

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027344.D
 Acq On : 21 Sep 2015 21:54
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:54 PM

Quant Time: Sep 22 03:47:13 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	541844	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1030035	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	876624	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	342804	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	537456	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
36) Dibromofluoromethane	7.68	113	339578	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
51) Toluene-d8	10.19	98	1293434	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
63) 4-Bromofluorobenzene	12.52	95	471575	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	269746	47.96	ug/l	99
3) Chlorodifluoromethane	1.82	51	356496	50.06	ug/l	93
4) Chloromethane	2.01	50	304009	47.18	ug/l	97
5) Vinyl Chloride	2.14	62	355116	49.41	ug/l	97
6) Bromomethane	2.54	94	142346	48.63	ug/l	99
7) Chloroethane	2.68	64	225973	49.45	ug/l	99
8) Trichlorofluoromethane	3.02	101	525402	50.34	ug/l	100
9) Diethyl Ether	3.42	74	235253	50.71	ug/l	87
10) 1,1,2-Trichlorotrifluoroet	3.79	101	328306	49.60	ug/l	95
11) Methyl Iodide	3.99	142	274411	53.26	ug/l	90
12) Tert butyl alcohol	4.80	59	219771	259.72	ug/l	96
13) 1,1-Dichloroethene	3.77	96	313232	50.63	ug/l	94
14) Acrolein	3.62	56	274453	250.18	ug/l	98
15) Allyl chloride	4.37	41	595465	49.34	ug/l #	81
16) Acrylonitrile	5.03	53	825312	268.61	ug/l	99
17) Acetone	3.82	43	669626	232.05	ug/l	98
18) Carbon Disulfide	4.11	76	879695	47.48	ug/l	99
19) Methyl Acetate	4.36	43	990205	55.32	ug/l	95
20) Methyl tert-butyl Ether	5.11	73	1256097	50.85	ug/l	98
21) Methylene Chloride	4.60	84	387244	50.40	ug/l	96
22) trans-1,2-Dichloroethene	5.12	96	338650	49.78	ug/l	96
23) Diisopropyl ether	6.03	45	1323563	50.43	ug/l #	89
24) Vinyl Acetate	5.97	43	2236391	253.73	ug/l	98
25) 1,1-Dichloroethane	5.93	63	767139	50.16	ug/l	99
26) 2-Butanone	6.91	43	1001543	265.03	ug/l	97
27) 2,2-Dichloropropane	6.92	77	646482	49.06	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	408330	50.80	ug/l	97
29) Bromochloromethane	7.29	49	298305	49.71	ug/l	95
30) Tetrahydrofuran	7.31	42	633076	264.28	ug/l #	88
31) Chloroform	7.46	83	739516	51.48	ug/l	99
32) Cyclohexane	7.77	56	690041	50.72	ug/l	91
33) 1,1,1-Trichloroethane	7.67	97	642242	50.46	ug/l	96
37) 1,1-Dichloropropene	7.89	75	549952	49.54	ug/l	97
38) Ethyl Acetate	7.02	43	455814	53.18	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	506875	48.52	ug/l	99
40) Methylcyclohexane	9.19	83	641600	48.66	ug/l	97
41) Benzene	8.14	78	1591340	49.39	ug/l	99
42) Methacrylonitrile	7.24	41	254929	50.38	ug/l #	88
43) 1,2-Dichloroethane	8.22	62	647188	49.27	ug/l	95
44) Isopropyl Acetate	8.25	43	833154	50.85	ug/l	97
45) Trichloroethene	8.93	130	319627	49.52	ug/l	91
46) 1,2-Dichloropropane	9.22	63	449005	49.79	ug/l	99
47) Dibromomethane	9.31	93	274707	50.76	ug/l	91
48) Bromodichloromethane	9.50	83	571818	49.82	ug/l	98
49) Methyl methacrylate	9.29	41	405084	52.54	ug/l #	86
50) 1,4-Dioxane	9.30	88	96316	1034.91	ug/l	94
52) 4-Methyl-2-Pentanone	10.07	43	2166725	257.12	ug/l	98
53) Toluene	10.26	92	946438	49.66	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	613916	50.10	ug/l	97
55) cis-1,3-Dichloropropene	9.93	75	665755	49.46	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	365021	51.36	ug/l	98
57) Ethyl methacrylate	10.52	69	580606	51.47	ug/l #	89
58) 1,3-Dichloropropane	10.81	76	661516	50.50	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1336448	267.34	ug/l	98
60) 2-Hexanone	10.84	43	1471844	257.00	ug/l	100
61) Dibromochloromethane	11.00	129	349045	50.14	ug/l	100
62) 1,2-Dibromoethane	11.11	107	343020	50.75	ug/l	99
65) Tetrachloroethene	10.74	164	256491	49.16	ug/l	97
66) Chlorobenzene	11.54	112	937029	49.86	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	317172	50.29	ug/l	99
68) Ethyl Benzene	11.62	91	1786319	50.39	ug/l	100
69) m/p-Xylenes	11.73	106	1246879	101.45	ug/l	90
70) o-Xylene	12.06	106	622992	50.16	ug/l	90
71) Styrene	12.08	104	1020223	51.60	ug/l	94
72) Bromoform	12.24	173	210924	49.85	ug/l #	99
74) Isopropylbenzene	12.36	105	1697647	49.43	ug/l	98
75) N-amyl acetate	12.17	43	717774	52.68	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	470835	48.71	ug/l	98
77) 1,2,3-Trichloropropane	12.66	75	447714m	52.02	ug/l	
78) Bromobenzene	12.64	156	329891	49.09	ug/l	93
79) n-propylbenzene	12.71	91	2024921	49.44	ug/l	98
80) 2-Chlorotoluene	12.79	91	1205343	48.14	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1355353	48.82	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	155848	46.43	ug/l	93
83) 4-Chlorotoluene	12.89	91	1205443	49.33	ug/l	95
84) tert-Butylbenzene	13.11	119	1114010	49.77	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1380166	49.99	ug/l	94
86) sec-Butylbenzene	13.29	105	1668475	50.04	ug/l	98
87) p-Isopropyltoluene	13.41	119	1257134	50.29	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	585053	50.46	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	571776	48.73	ug/l	95
90) n-Butylbenzene	13.74	91	1275671	51.10	ug/l	98
91) Hexachloroethane	14.01	117	256156	47.92	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	580611	50.12	ug/l	96

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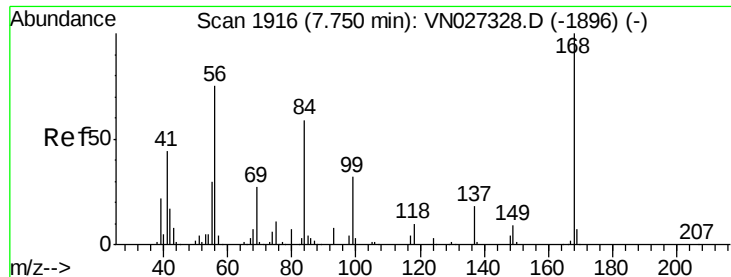
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	95865	50.60	ug/l	83
94) 1,2,4-Trichlorobenzene	15.05	180	318802	53.25	ug/l	98
95) Hexachlorobutadiene	15.16	225	156701	47.77	ug/l	98
96) Naphthalene	15.29	128	875173	47.89	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	314445	52.72	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 541844

Ion Ratio Lower Upper

168 100

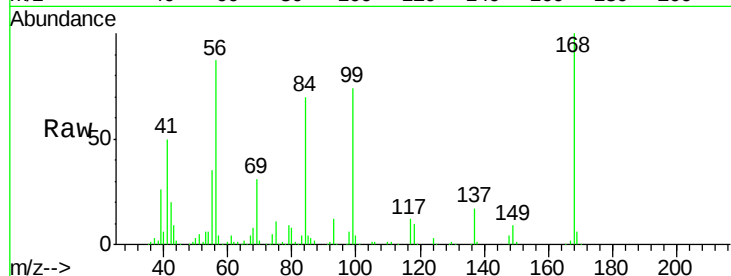
99 73.0 50.4 75.6

Manual Integrations

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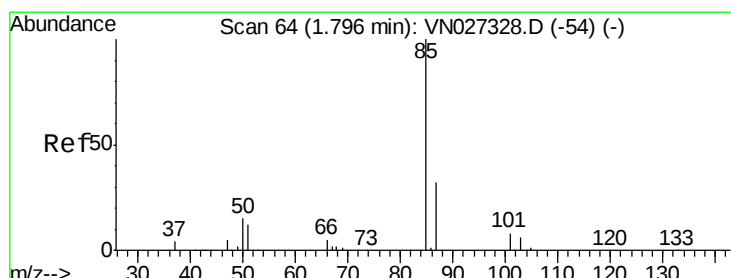
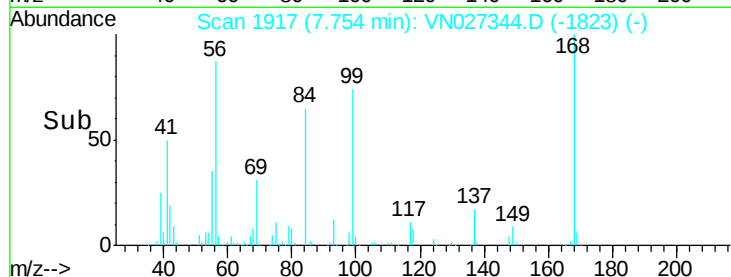
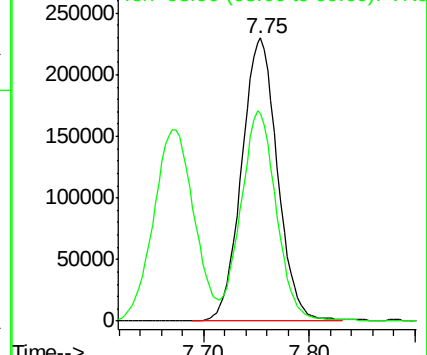
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.96 ug/l

RT: 1.80 min Scan# 64

Delta R.T. 0.00 min

Lab File: VN027344.D

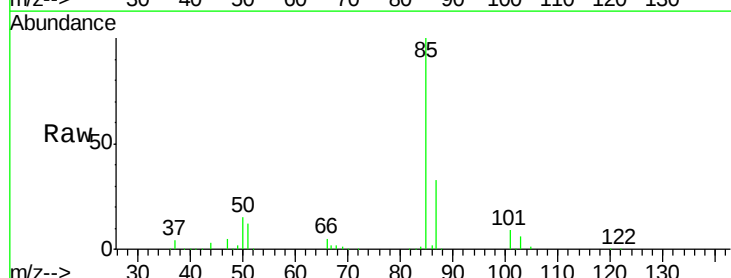
Acq: 21 Sep 2015 21:54

Tgt Ion: 85 Resp: 269746

Ion Ratio Lower Upper

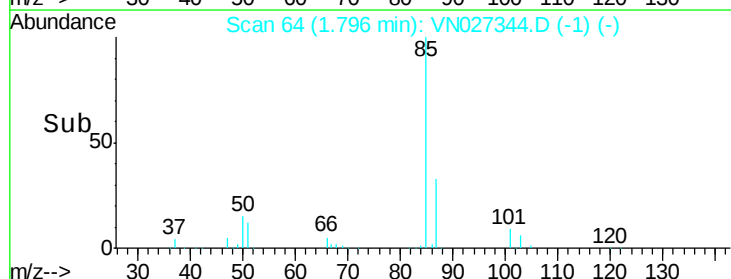
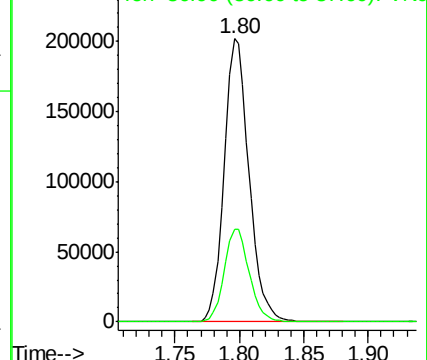
85 100

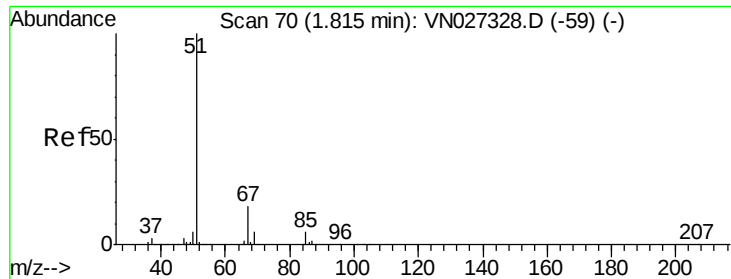
87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 50.06 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Tot Ion: 51 Resp: 356496

Ion Ratio Lower Upper

51 100

67 18.0 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

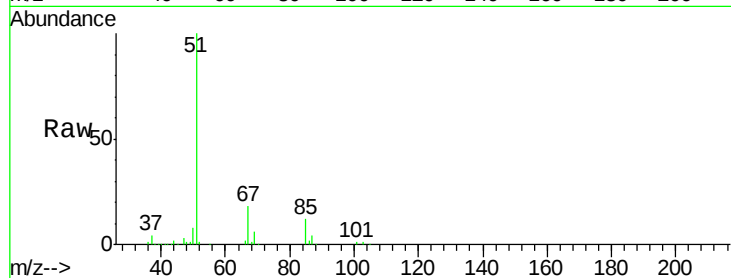
VSTDCCC050

Manual Integrations

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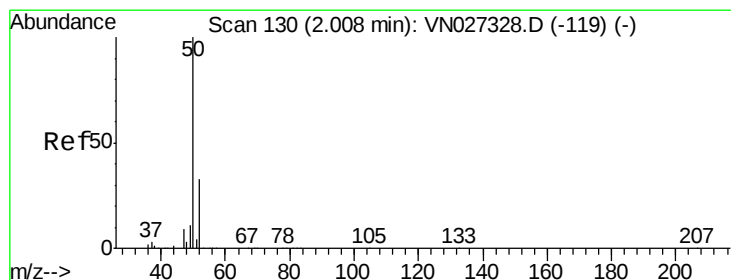
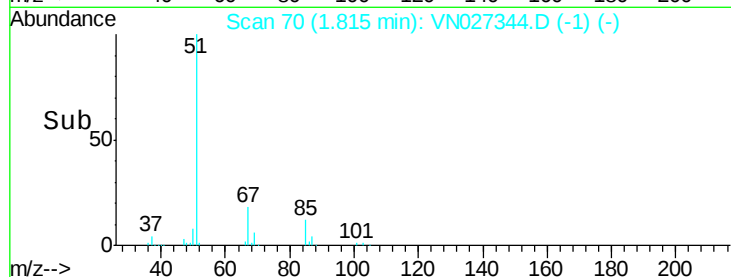
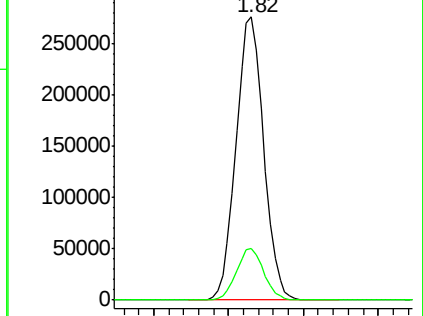
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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 47.18 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027344.D

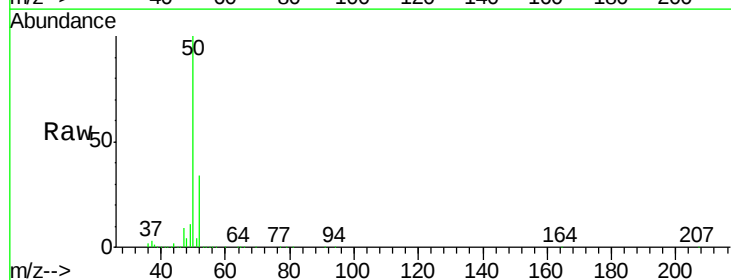
Acq: 21 Sep 2015 21:54

Tgt Ion: 50 Resp: 304009

Ion Ratio Lower Upper

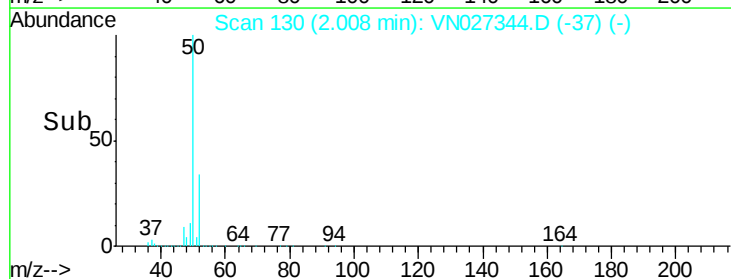
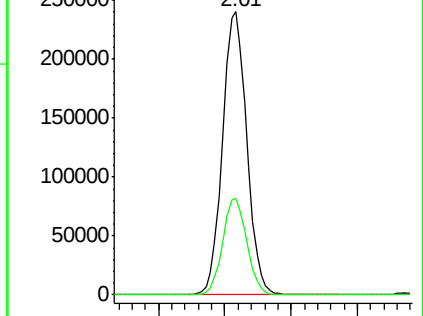
50 100

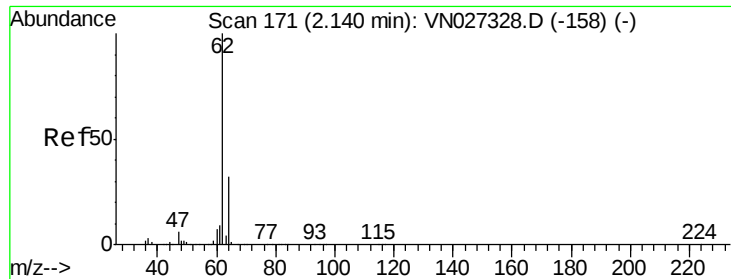
52 34.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 49.41 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 62 Resp: 355116

Ion Ratio Lower Upper

62 100

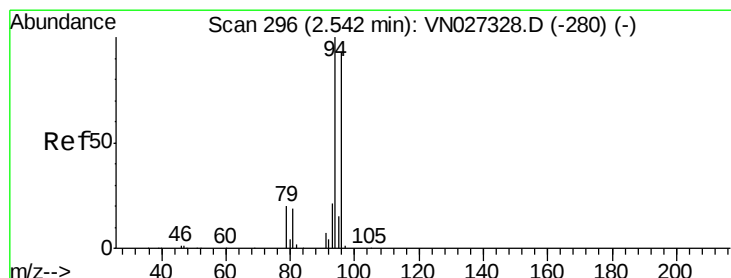
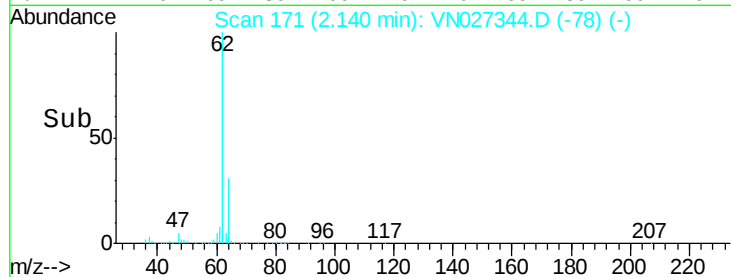
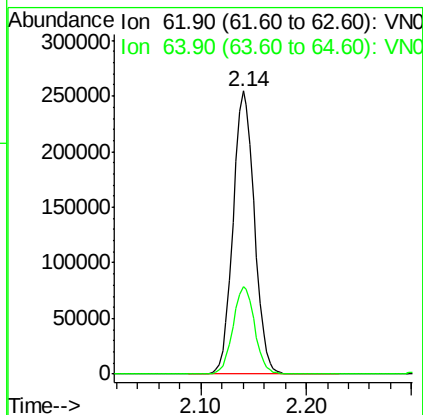
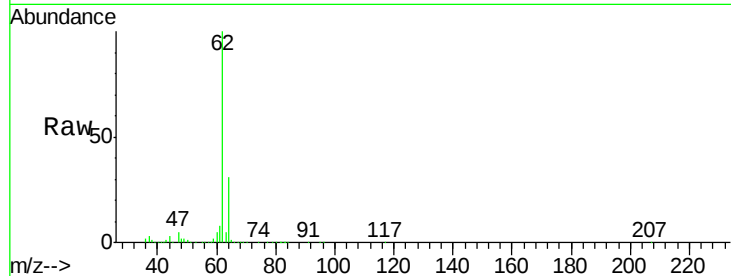
64 30.9 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 48.63 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VN027344.D

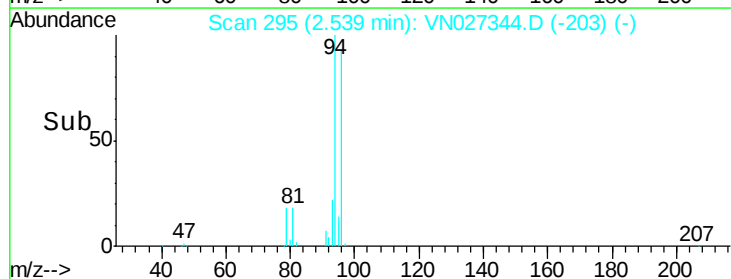
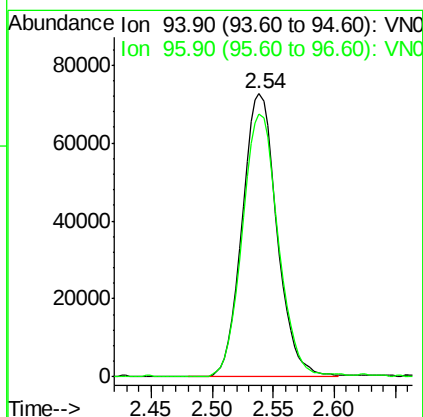
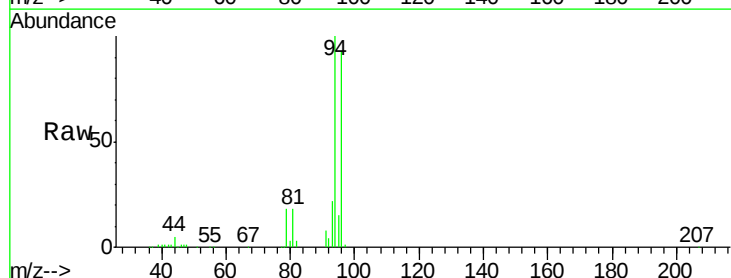
Acq: 21 Sep 2015 21:54

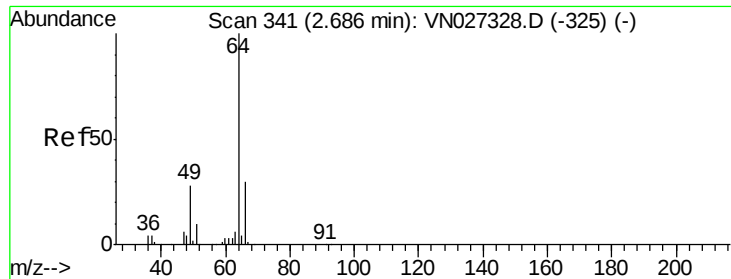
Tgt Ion: 94 Resp: 142346

Ion Ratio Lower Upper

94 100

96 93.1 73.4 110.2





#7

Chloroethane

Concen: 49.45 ug/l

RT: 2.68 min Scan# 340

Delta R.T. -0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 64 Resp: 225973

Ion Ratio Lower Upper

64 100

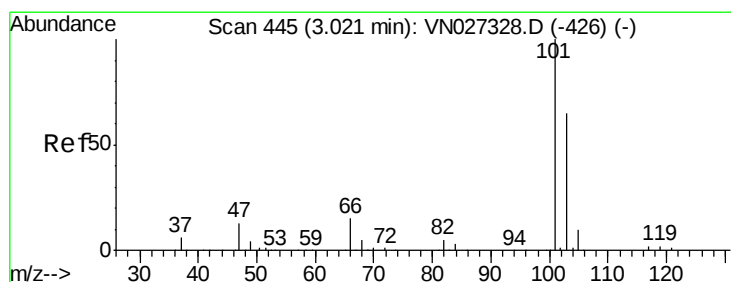
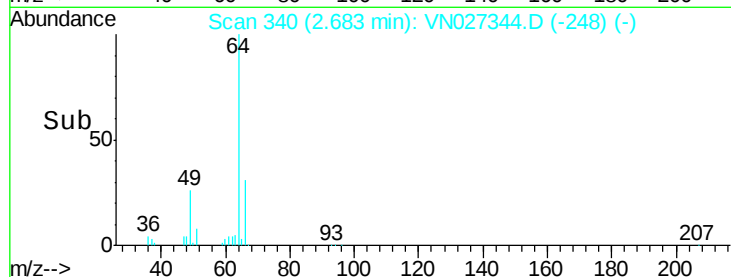
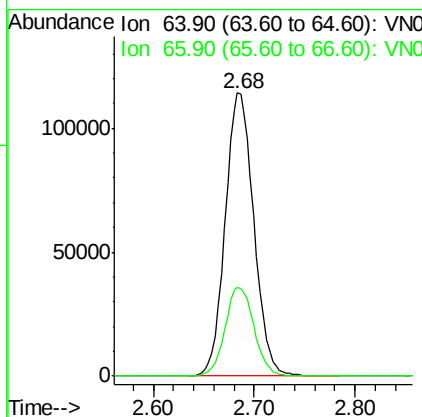
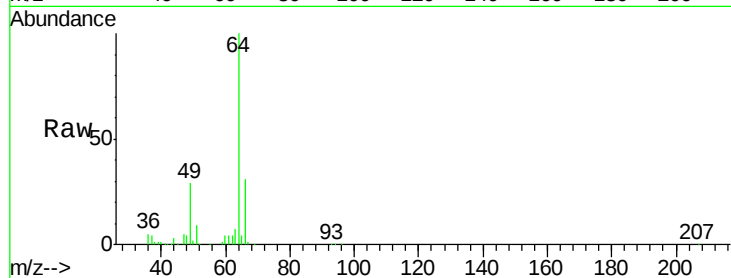
66 31.4 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 50.34 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027344.D

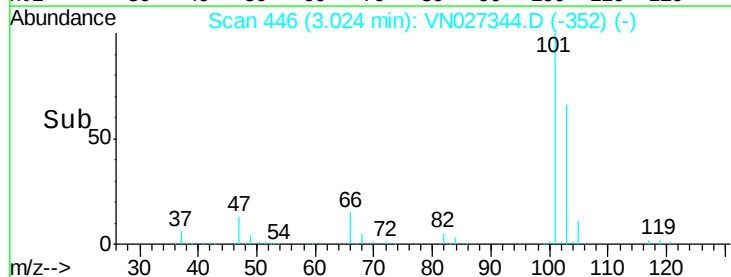
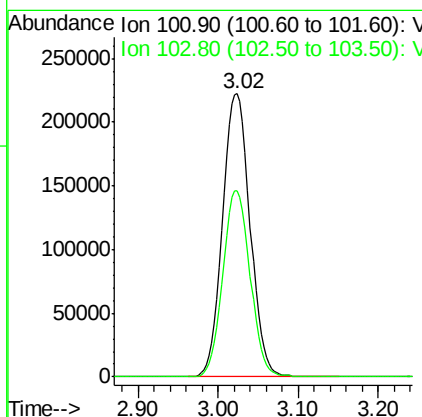
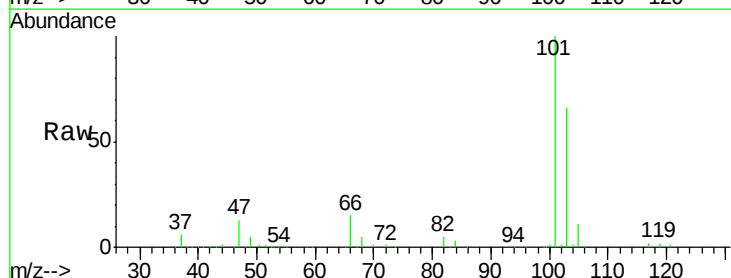
Acq: 21 Sep 2015 21:54

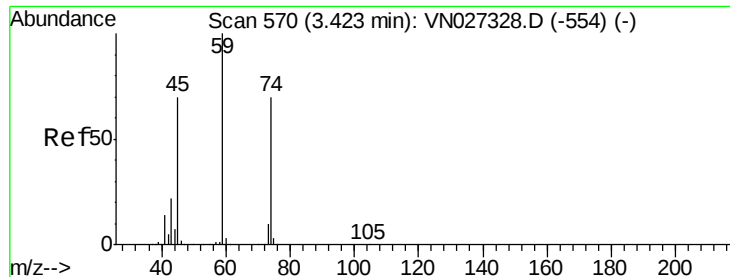
Tgt Ion:101 Resp: 525402

Ion Ratio Lower Upper

101 100

103 65.5 52.6 79.0





#9

Diethyl Ether

Concen: 50.71 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

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Tot Ion: 74 Resp: 235253

Ion Ratio Lower Upper

74 100

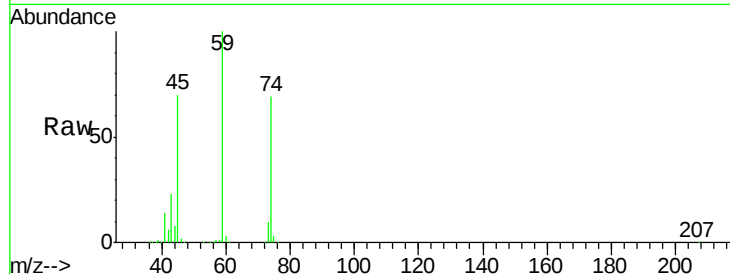
45 101.6 58.1 174.3

Manual Integrations

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Abundance Ion 74.00 (73.70 to 74.70): VN027328.D (-554) (-)

Ion 45.00 (44.70 to 45.70): VN027328.D (-554) (-)

120000

100000

80000

60000

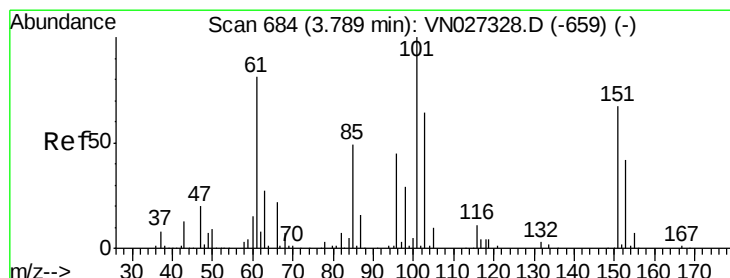
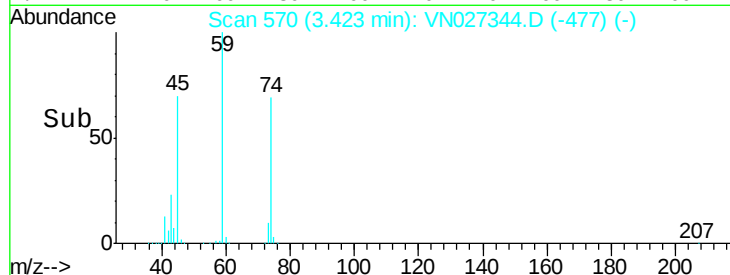
40000

20000

0

3.35 3.40 3.45 3.50

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 49.60 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

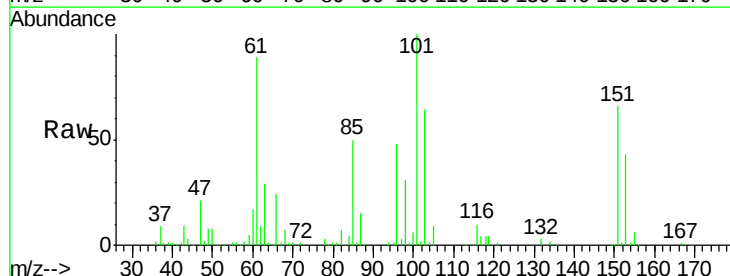
Tgt Ion: 101 Resp: 328306

Ion Ratio Lower Upper

101 100

85 49.9 37.4 56.0

151 65.8 55.9 83.9



Abundance Ion 100.90 (100.60 to 101.60): VN027328.D (-659) (-)

Ion 84.90 (84.60 to 85.60): VN027328.D (-659) (-)

Ion 150.80 (150.50 to 151.50): VN027328.D (-659) (-)

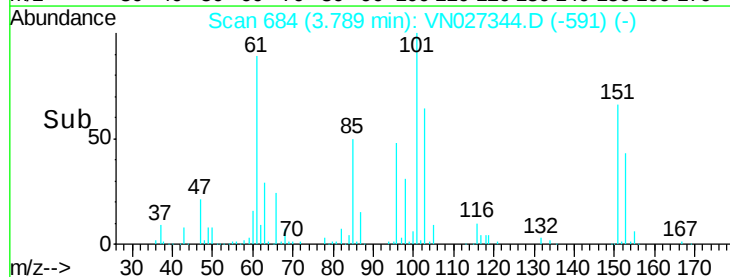
100000

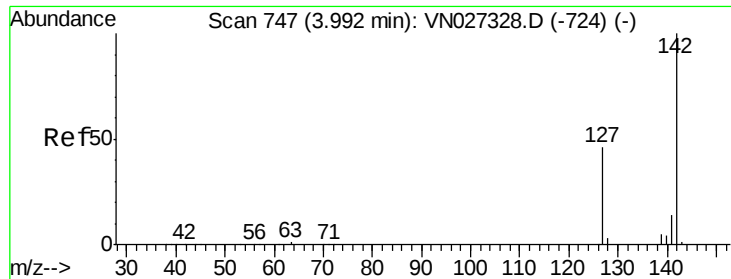
50000

0

3.70 3.80 3.90

Time-->





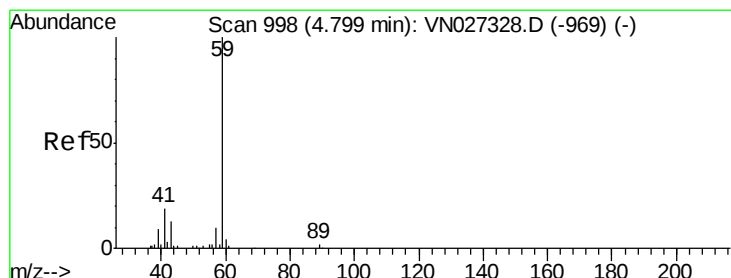
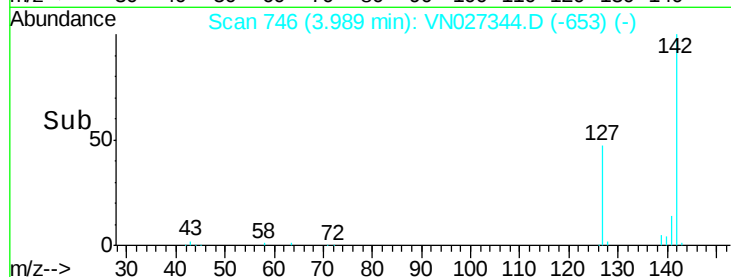
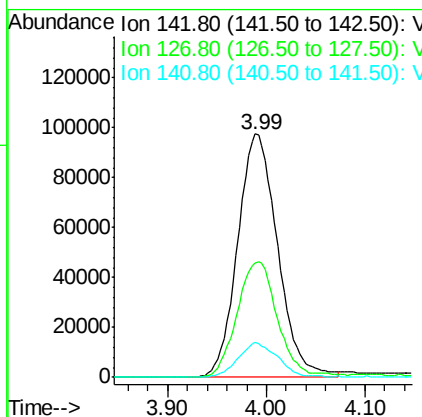
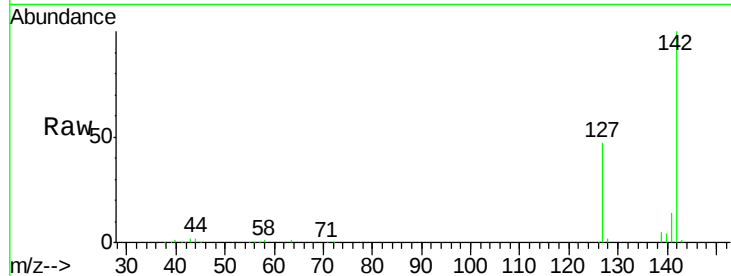
#11
Methvl Iodide
Concen: 53.26 ug/l
RT: 3.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.4	32.3	48.5
141	13.9	11.2	16.8

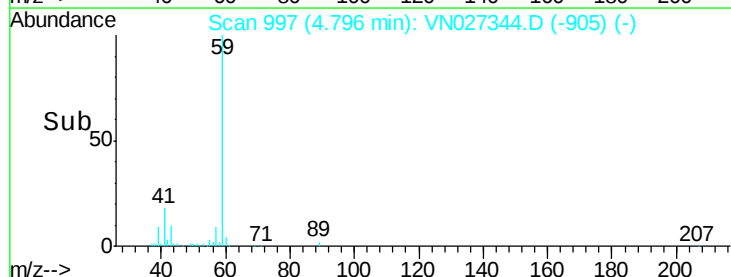
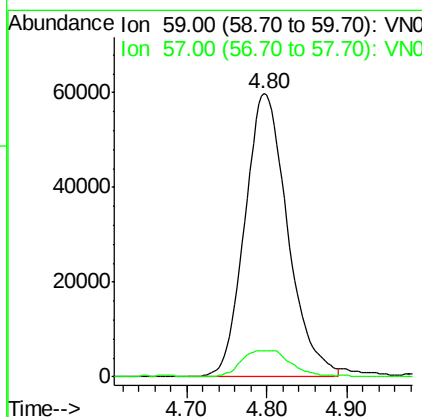
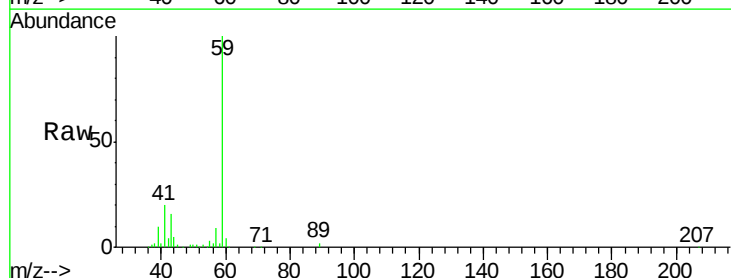
Manual Integrations
APPROVED

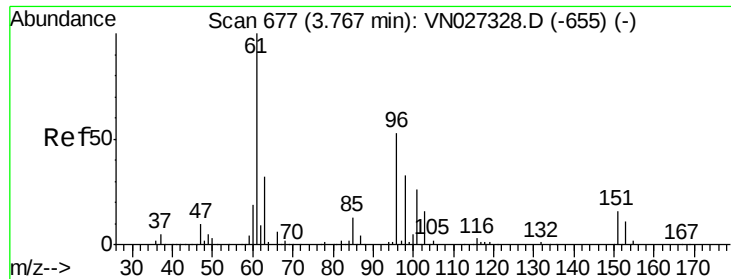
MMDadoda
9/22/2015 2:28:54 PM



#12
Tert butyl alcohol
Concen: 259.72 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.6	11.4





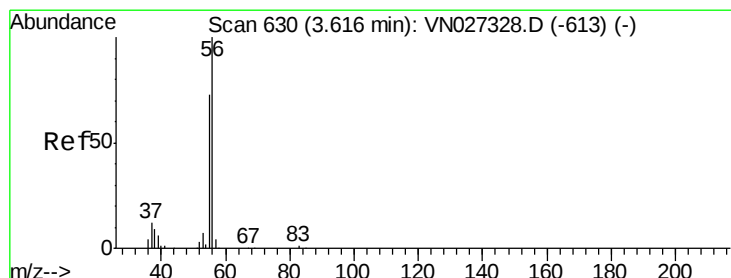
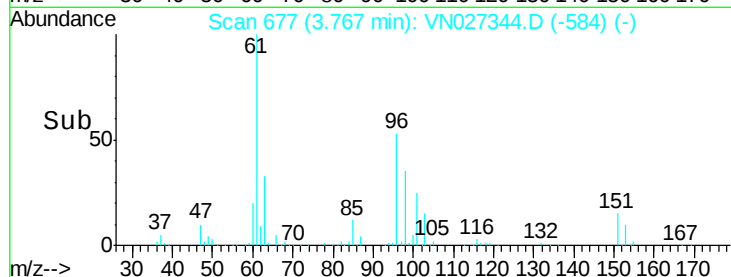
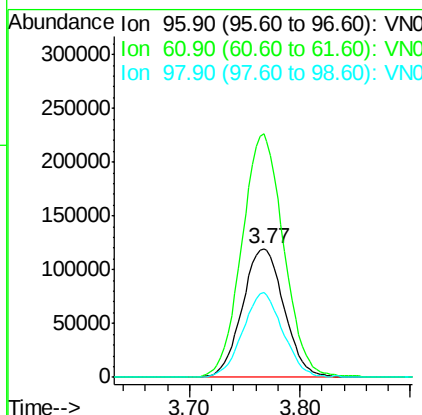
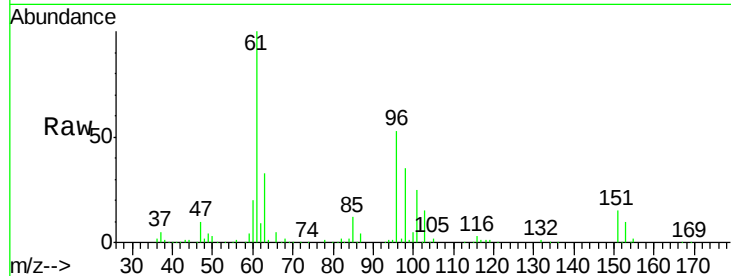
#13
 1,1-Dichloroethene
 Concen: 50.63 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	188.9	143.8	215.8
98	65.9	50.3	75.5

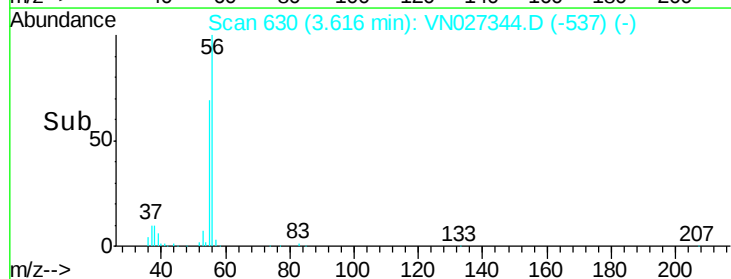
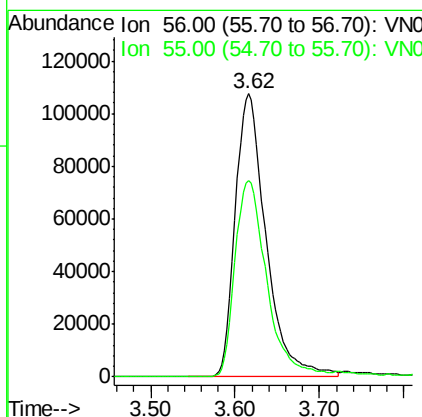
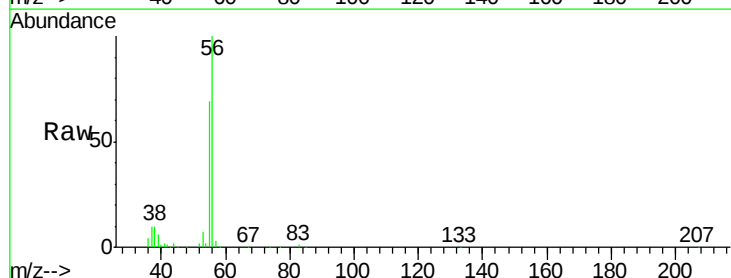
Manual Integrations
 APPROVED

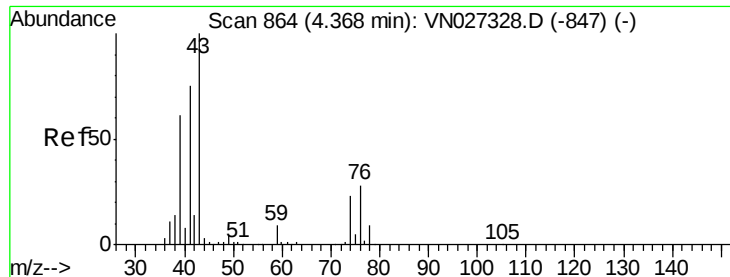
MMDadoda
 9/22/2015 2:28:54 PM



#14
 Acrolein
 Concen: 250.18 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.3	55.7	83.5





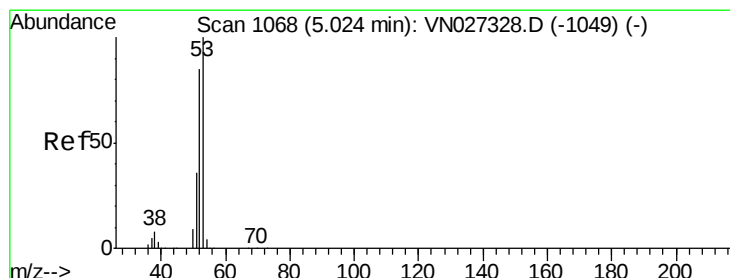
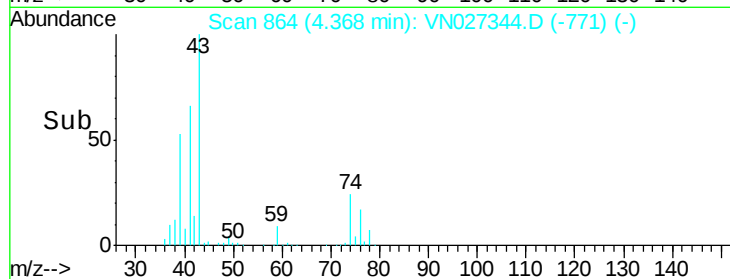
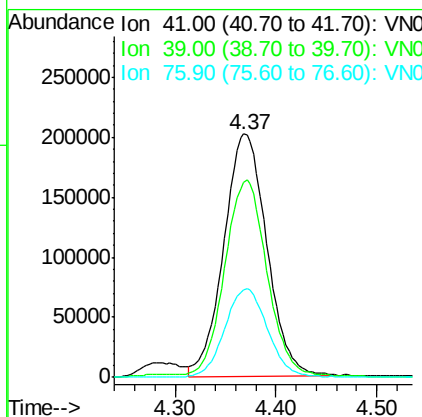
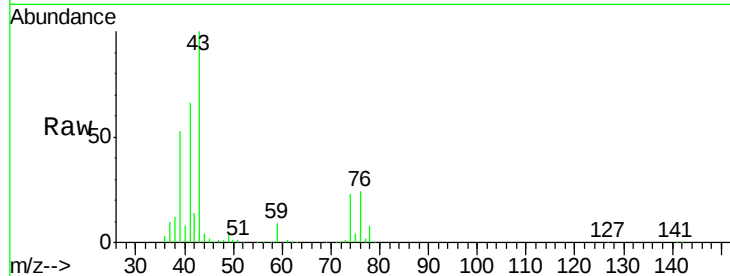
#15
Allvl chloride
Concen: 49.34 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.0	49.7	74.5#
76	36.2	24.8	37.2

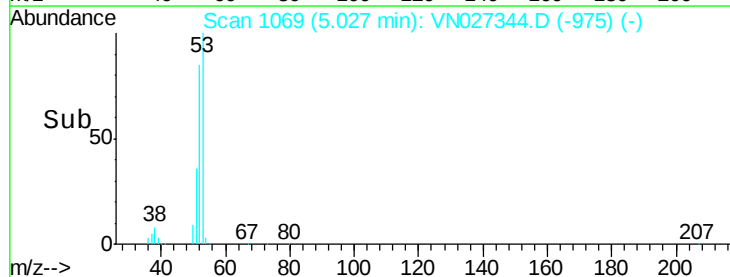
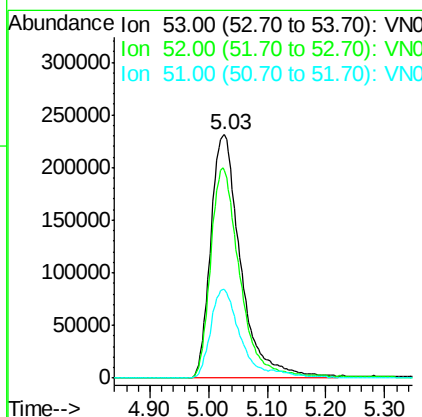
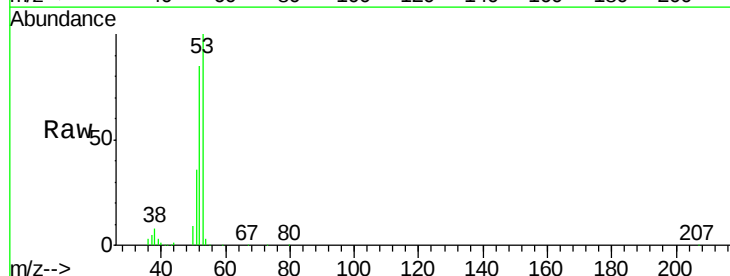
Manual Integrations
APPROVED

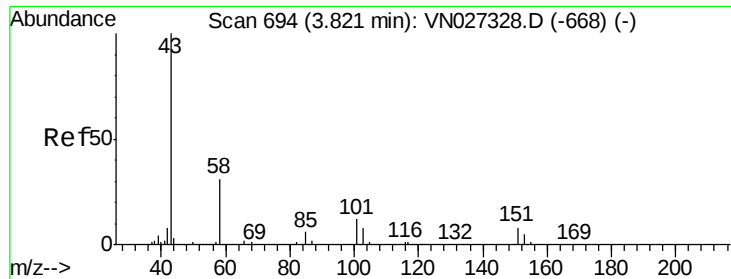
MMDadoda
9/22/2015 2:28:54 PM



#16
Acrylonitrile
Concen: 268.61 ug/l
RT: 5.03 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	34.6	27.4	41.0





#17

Acetone

Concen: 232.05 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 669626

Ion Ratio Lower Upper

43 100

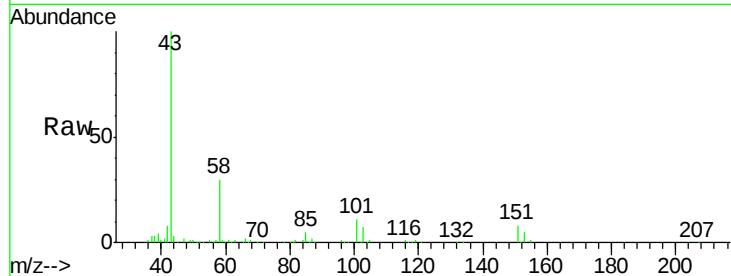
58 30.4 25.4 38.0

Manual Integrations

APPROVED

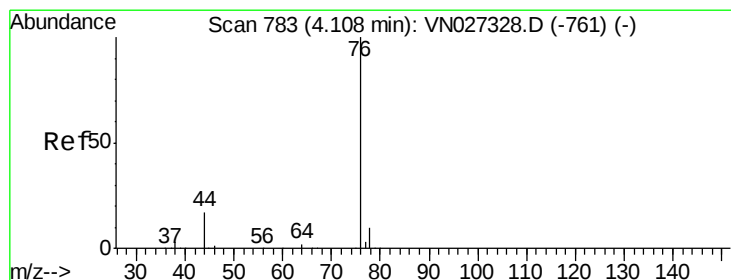
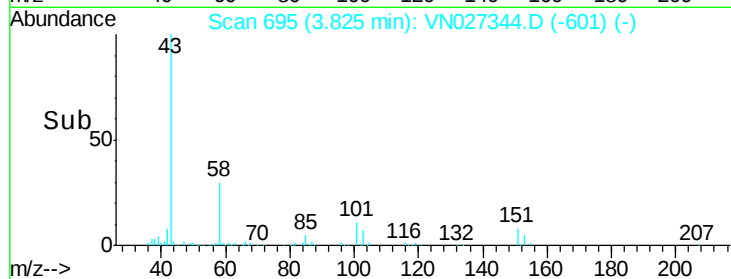
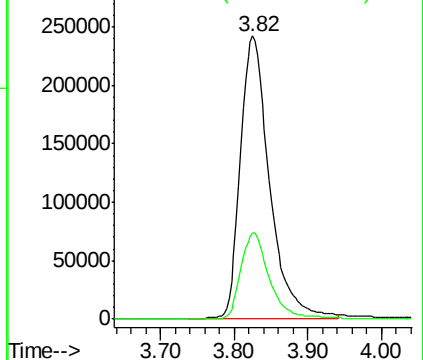
MMDadoda

9/22/2015 2:28:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 47.48 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027344.D

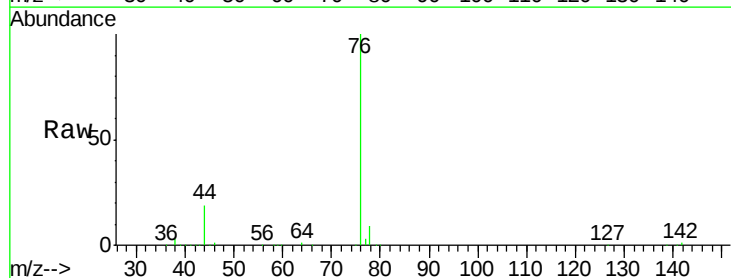
Acq: 21 Sep 2015 21:54

Tgt Ion: 76 Resp: 879695

Ion Ratio Lower Upper

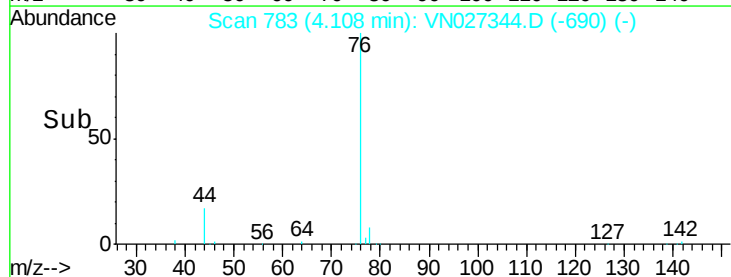
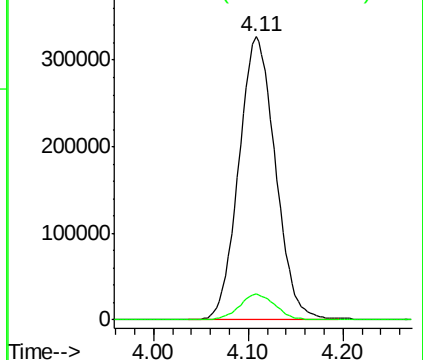
76 100

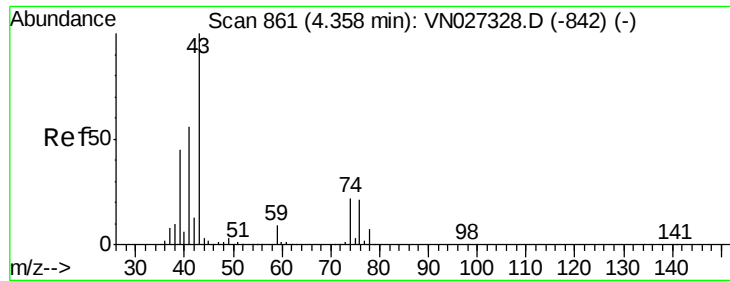
78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





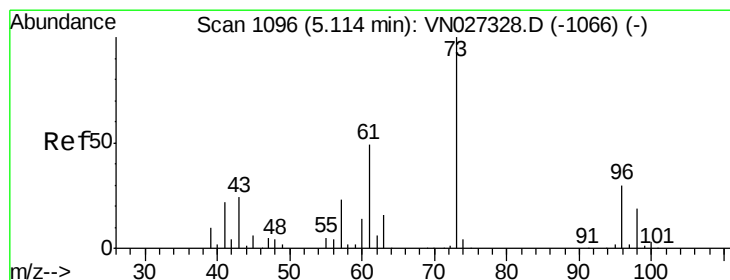
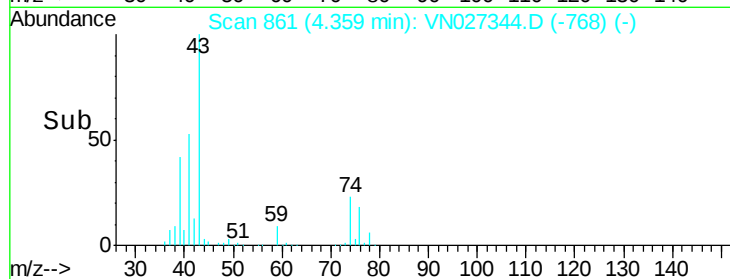
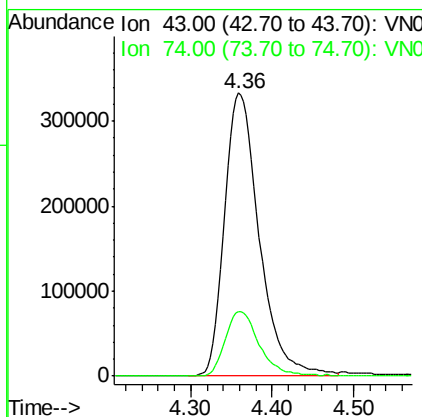
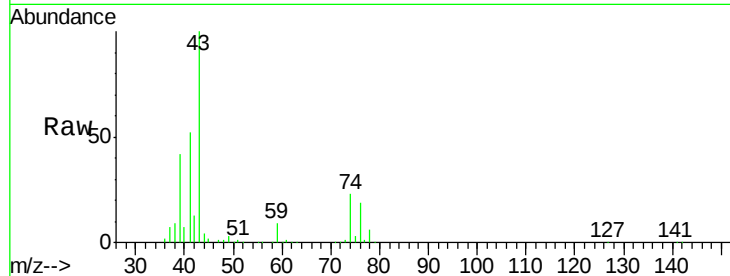
#19
Methvl Acetate
Concen: 55.32 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 990205
Ion Ratio Lower Upper
43 100
74 22.6 16.2 24.2

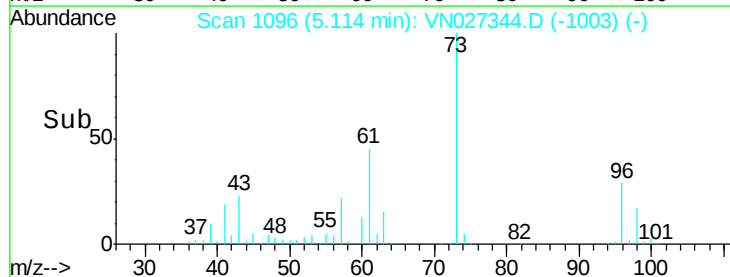
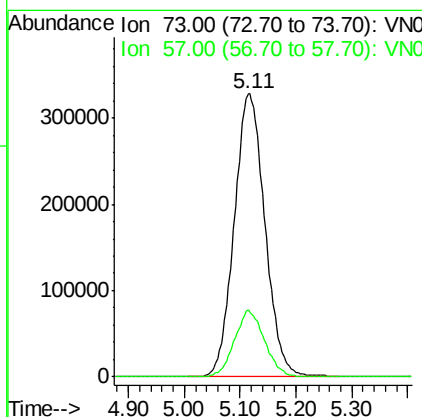
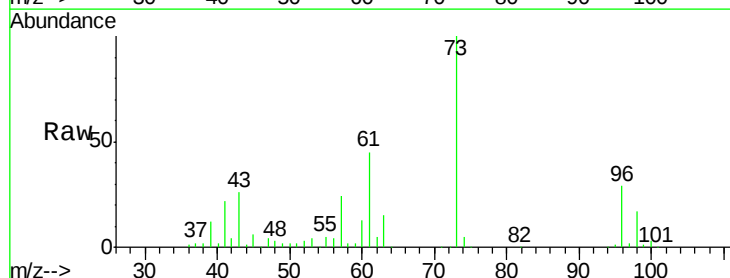
Manual Integrations
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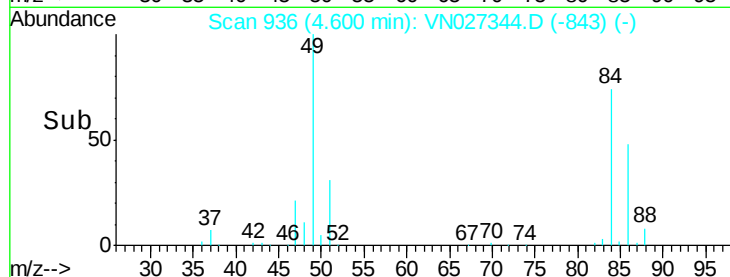
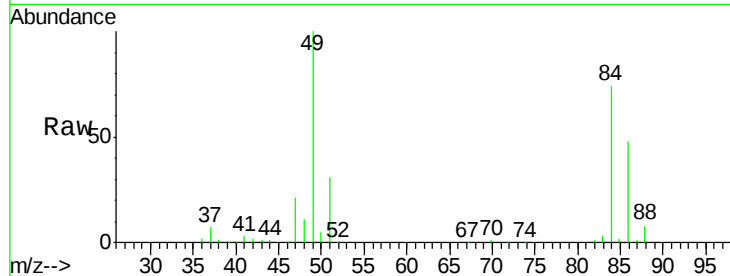
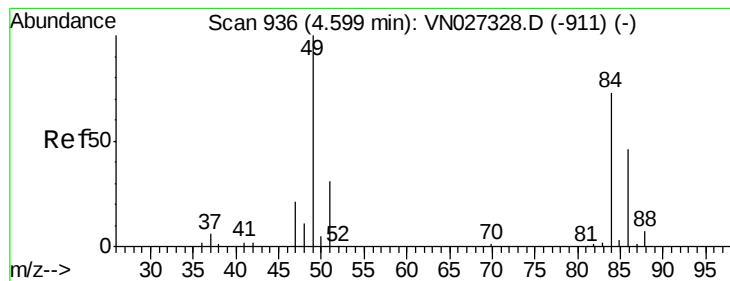
MMDadoda
9/22/2015 2:28:54 PM



#20
Methyl tert-butyl Ether
Concen: 50.85 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion: 73 Resp: 1256097
Ion Ratio Lower Upper
73 100
57 23.6 19.8 29.6





#21

Methylene Chloride

Concen: 50.40 ug/l

RT: 4.60 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Tot Ion:	84	Resp:	387244
Ion	Ratio	Lower	Upper
84	100		
49	135.2	112.3	168.5
51	42.0	33.8	50.8
86	65.0	48.2	72.4

Instrument :

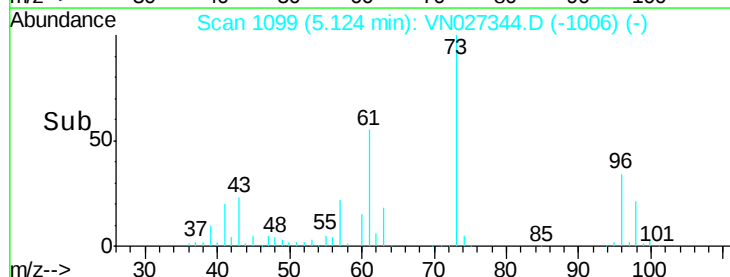
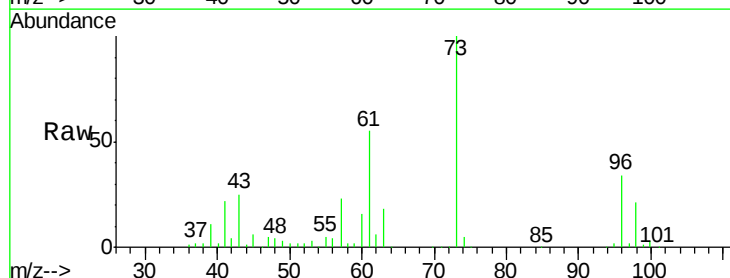
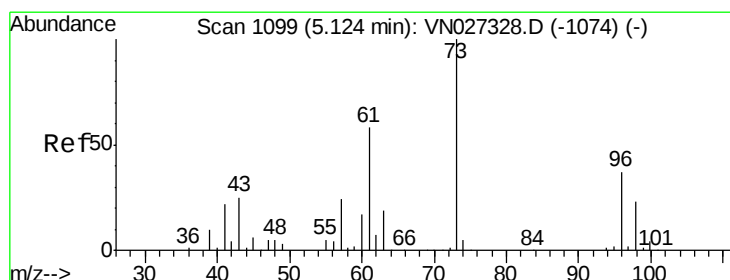
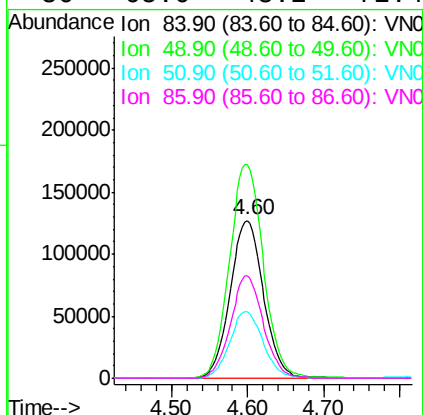
MSVOA_N

ClientSampleId :

VSTDCCC050

Manual Integrations
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MMDadoda
9/22/2015 2:28:54 PM



#22

trans-1,2-Dichloroethene

Concen: 49.78 ug/l

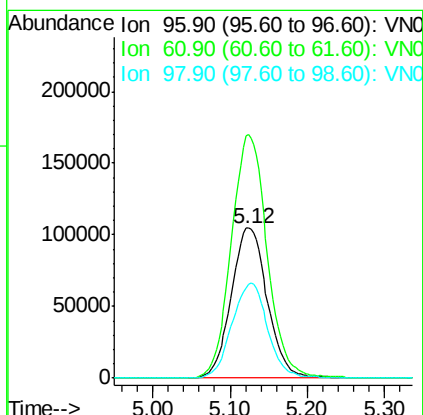
RT: 5.12 min Scan# 1099

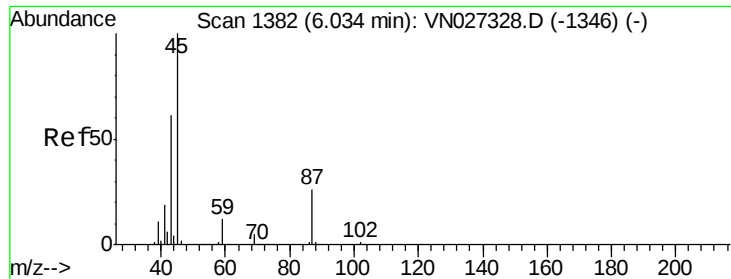
Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Tgt Ion:	96	Resp:	338650
Ion	Ratio	Lower	Upper
96	100		
61	162.4	126.6	189.8
98	62.8	47.4	71.2





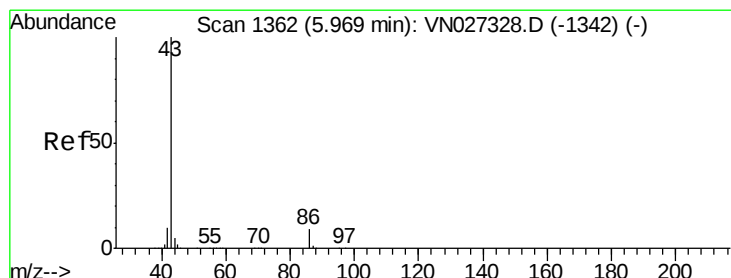
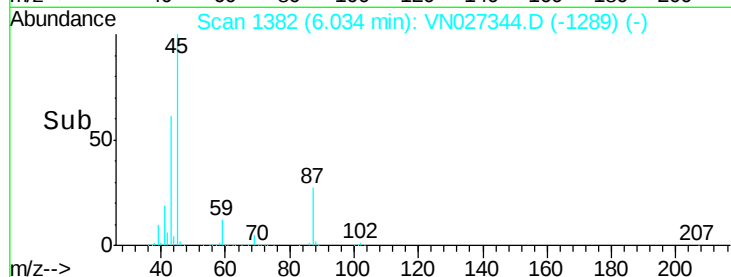
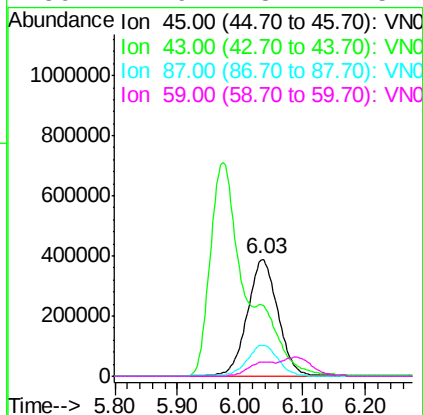
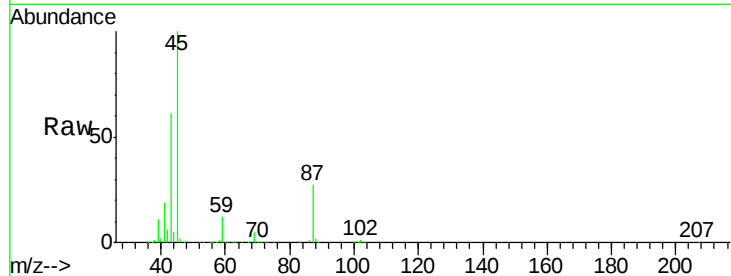
#23
Diisopropyl ether
Concen: 50.43 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
45	100		
43	60.8	41.0	61.6
87	26.4	17.5	26.3
59	11.9	8.7	13.1

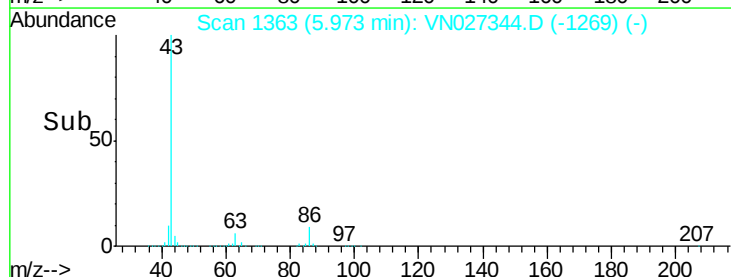
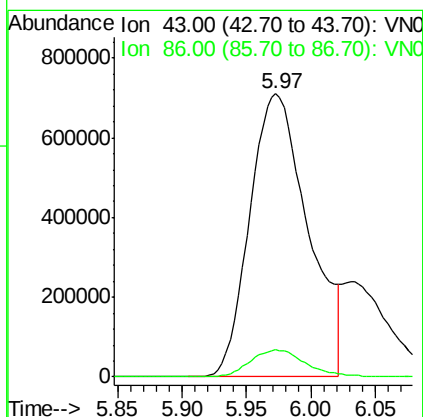
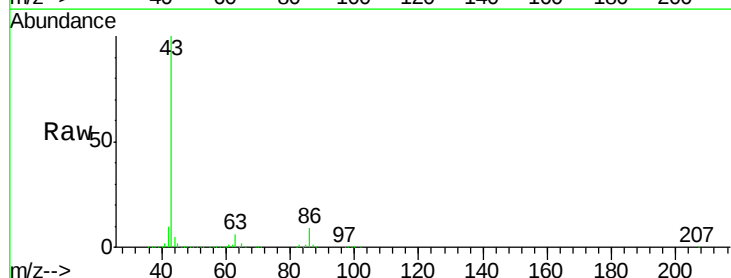
Manual Integrations
APPROVED

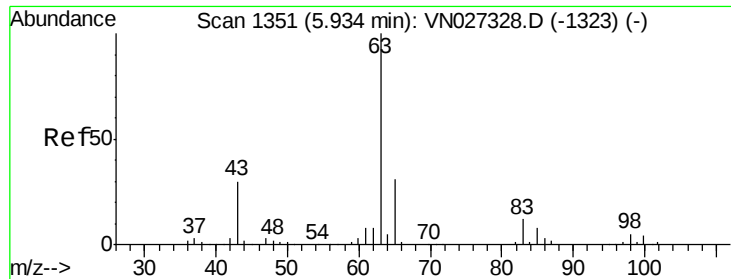
MMDadoda
9/22/2015 2:28:54 PM



#24
Vinyl Acetate
Concen: 253.73 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.5	6.9	10.3





#25

1,1-Dichloroethane

Concen: 50.16 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

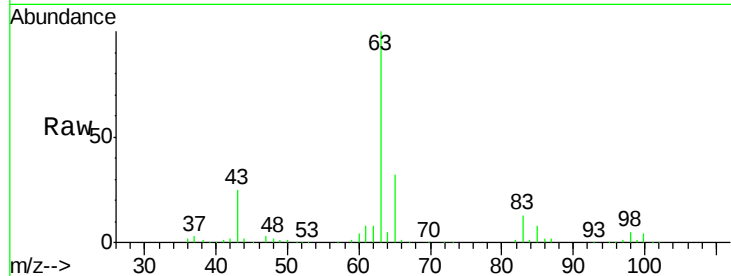
ClientSampleId :

VSTDCCC050

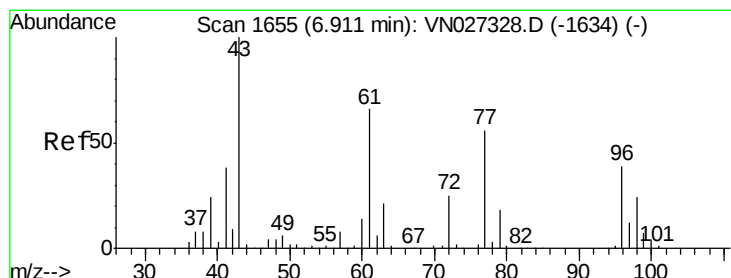
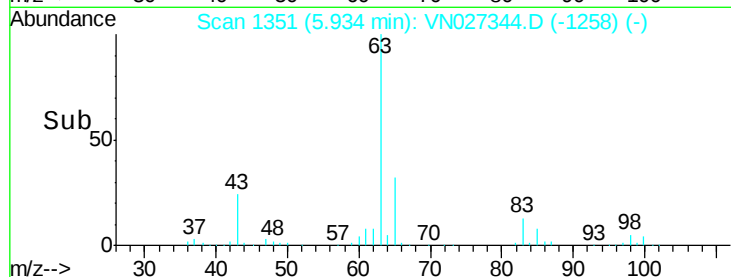
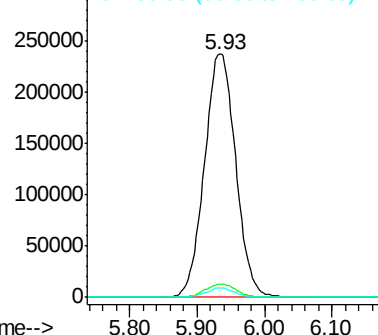
Tot Ion:	63	Resp:	767139
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.8	8.3
100	3.9	1.7	5.0

Manual Integrations
APPROVED

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9/22/2015 2:28:54 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#26

2-Butanone

Concen: 265.03 ug/l

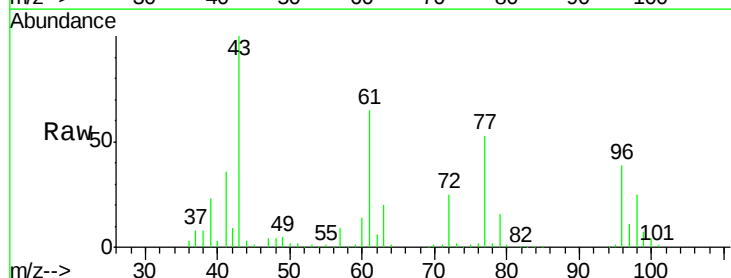
RT: 6.91 min Scan# 1656

Delta R.T. 0.00 min

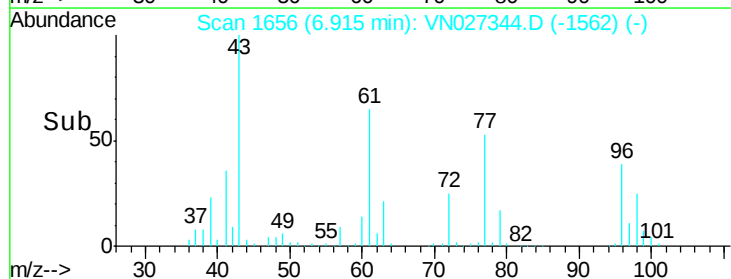
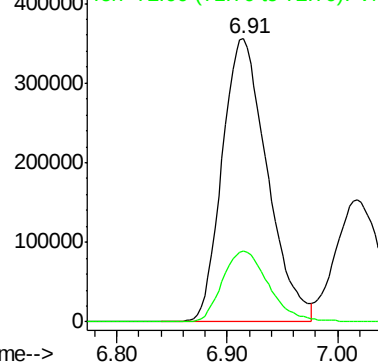
Lab File: VN027344.D

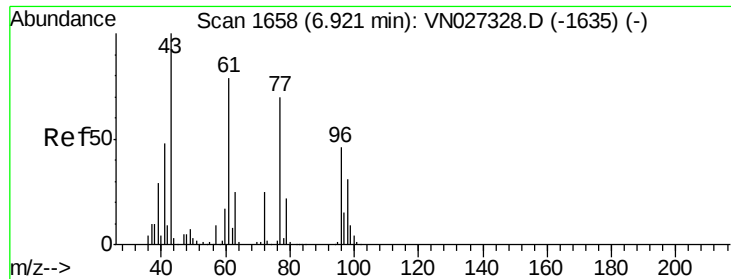
Acq: 21 Sep 2015 21:54

Tgt Ion:	43	Resp:	1001543
Ion	Ratio	Lower	Upper
43	100		
72	25.1	18.8	28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





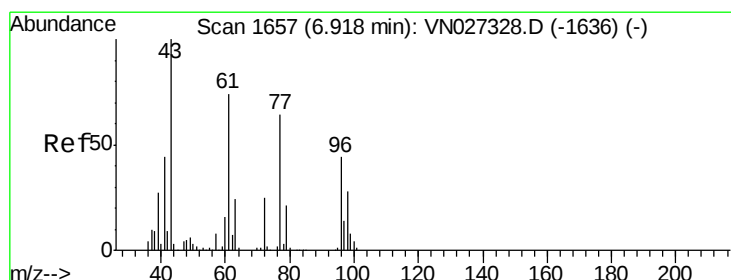
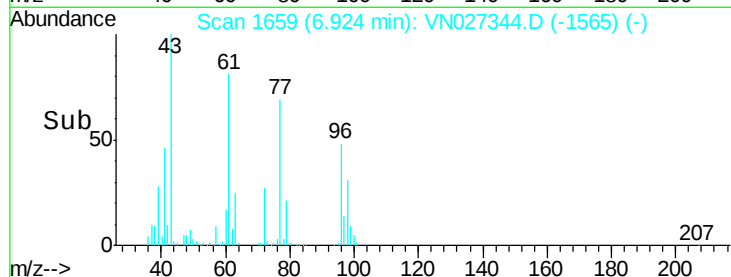
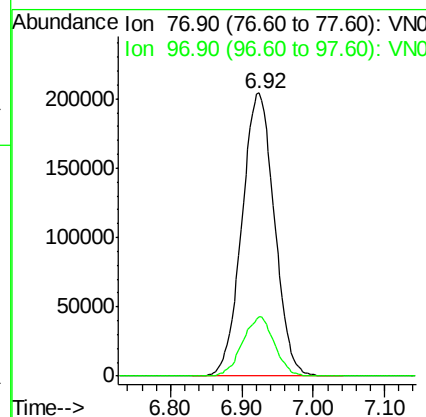
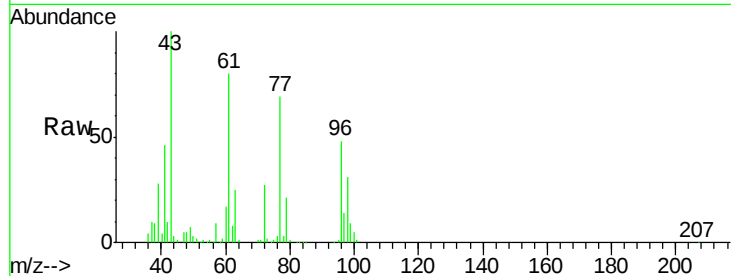
#27
 2,2-Dichloropropane
 Concen: 49.06 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 77 Resp: 646482
 Ion Ratio Lower Upper
 77 100
 97 20.7 11.8 35.3

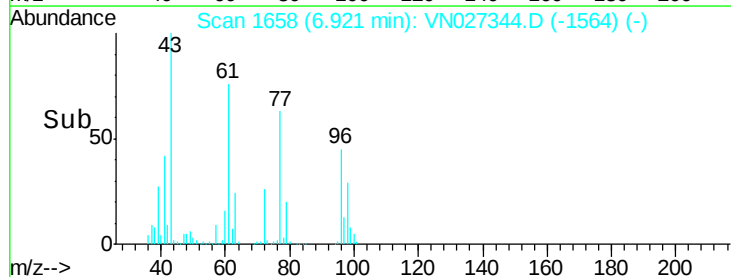
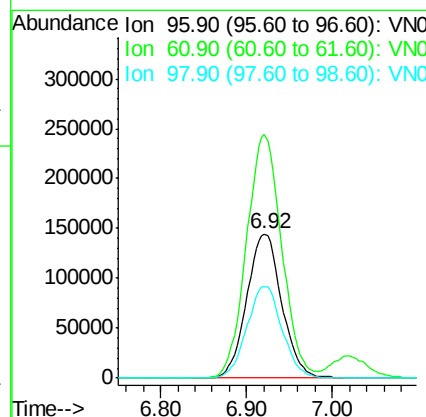
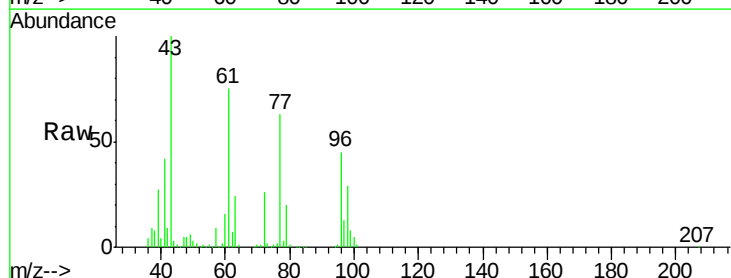
Manual Integrations
 APPROVED

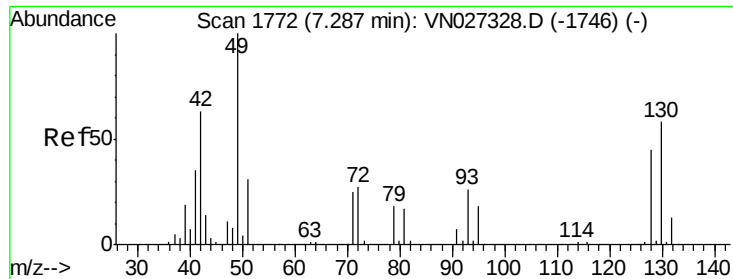
MMDadoda
 9/22/2015 2:28:54 PM



#28
 cis-1,2-Dichloroethene
 Concen: 50.80 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion: 96 Resp: 408330
 Ion Ratio Lower Upper
 96 100
 61 169.8 0.0 329.2
 98 64.4 0.0 126.0





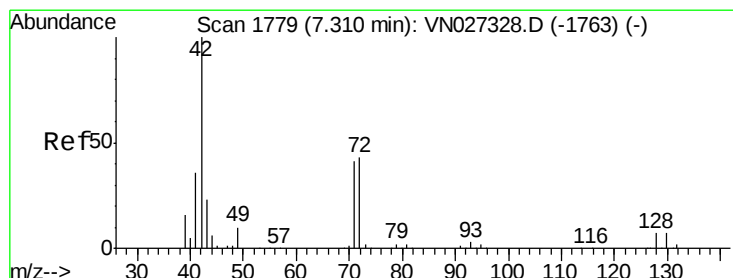
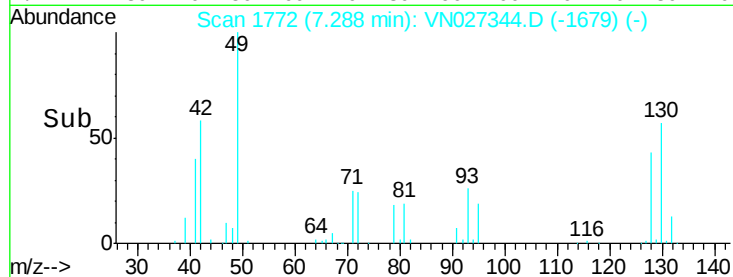
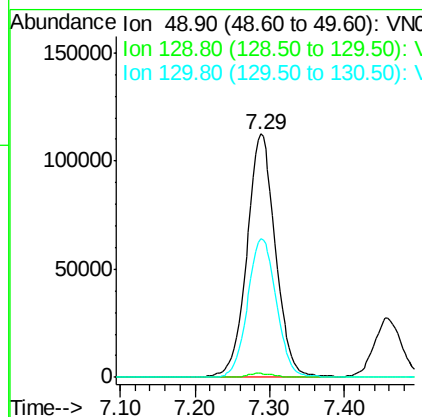
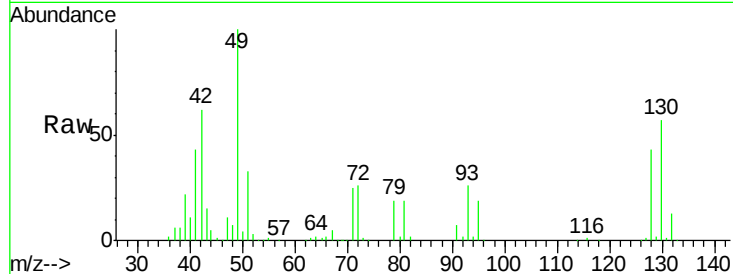
#29
Bromochloromethane
Concen: 49.71 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
49	100	298305		
129	1.4	0.0	3.2	
130	57.4	43.2	64.8	

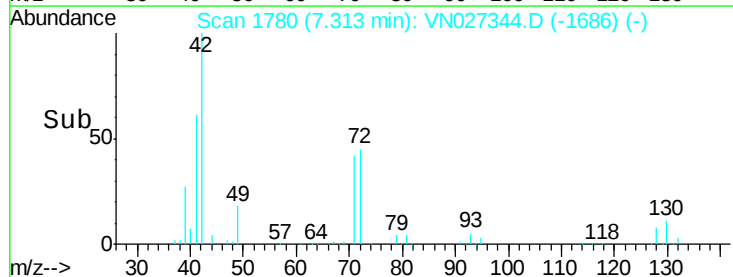
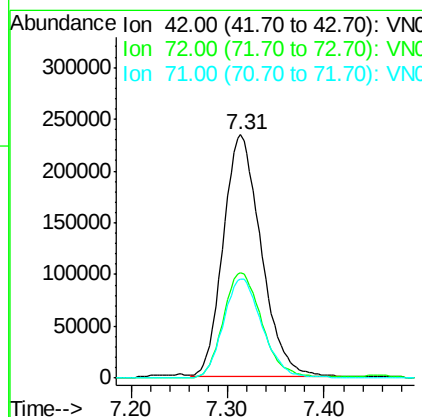
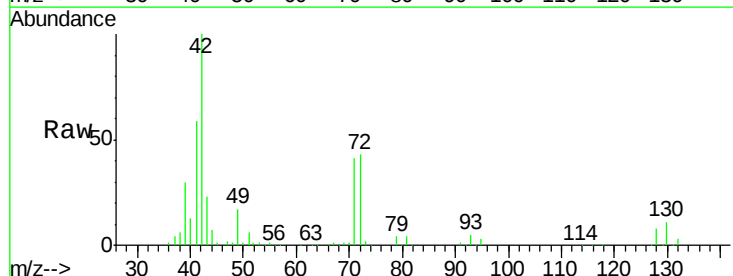
Manual Integrations
APPROVED

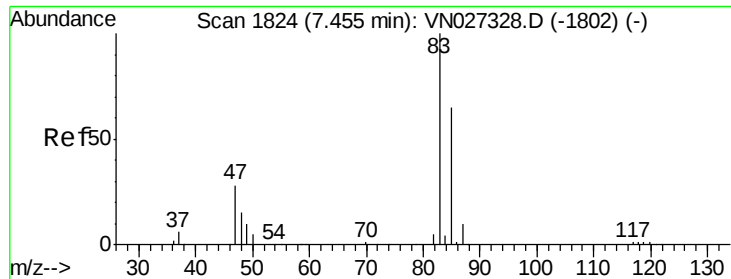
MMDadoda
9/22/2015 2:28:54 PM



#30
Tetrahydrofuran
Concen: 264.28 ug/l
RT: 7.31 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	633076		
72	44.8	29.9	44.9	
71	42.5	28.3	42.5#	





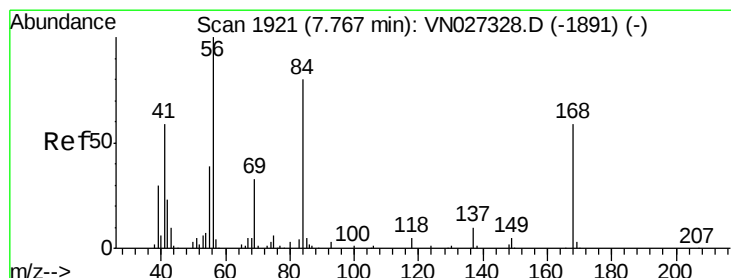
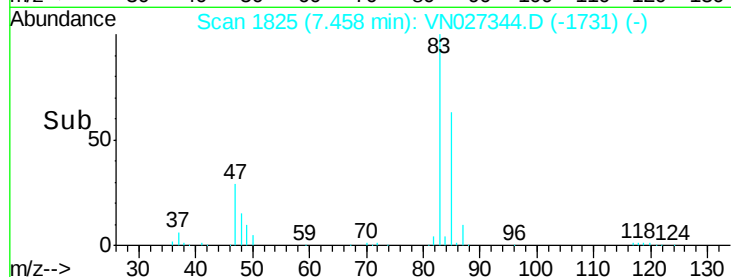
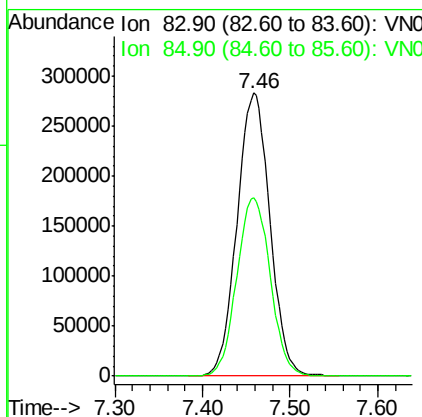
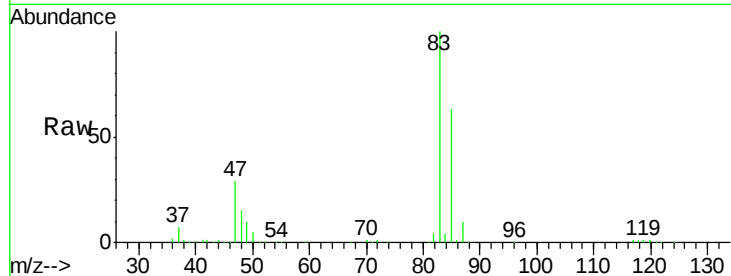
#31
Chloroform
Concen: 51.48 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 739516
Ion Ratio Lower Upper
83 100
85 63.0 51.1 76.7

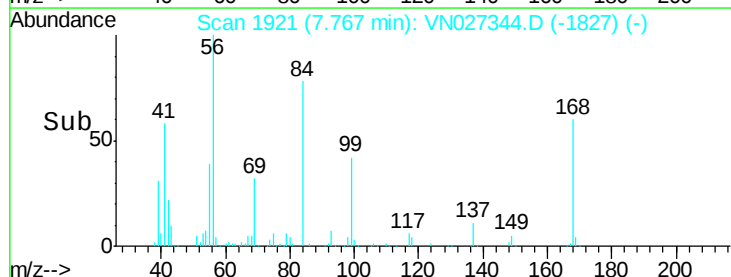
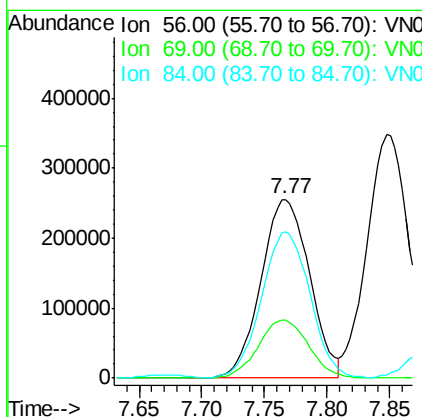
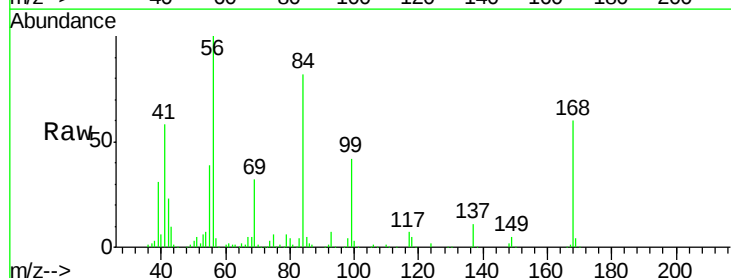
Manual Integrations
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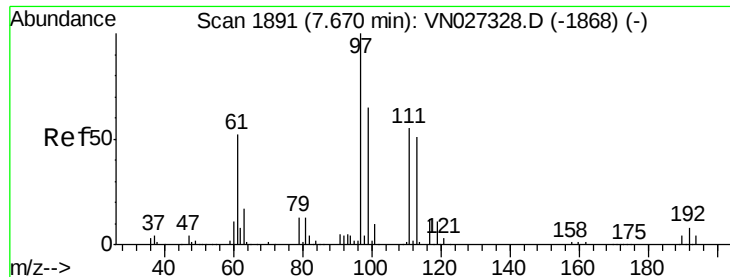
MMDadoda
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#32
Cyclohexane
Concen: 50.72 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion: 56 Resp: 690041
Ion Ratio Lower Upper
56 100
69 32.2 23.0 34.4
84 81.1 57.8 86.8





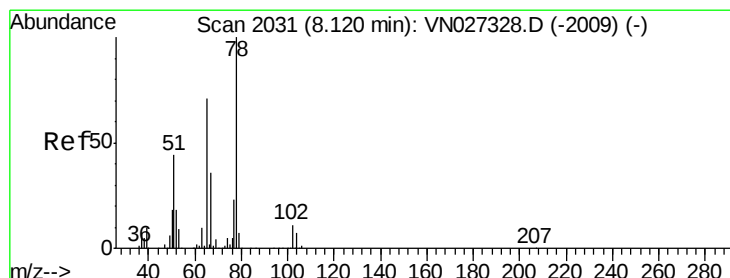
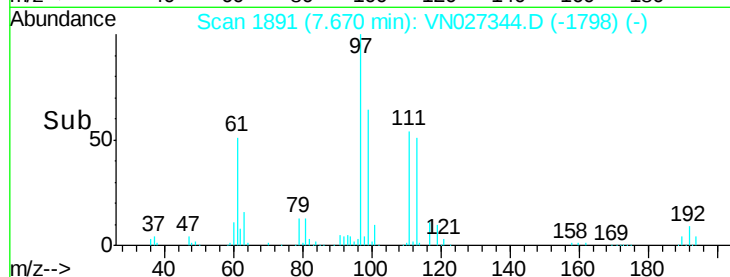
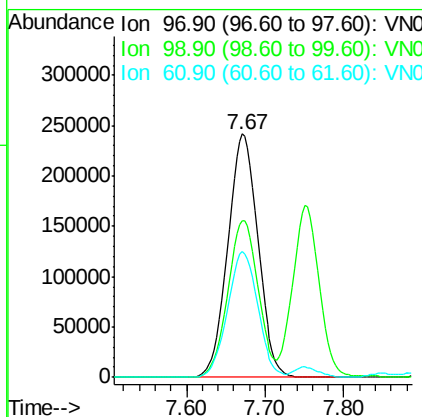
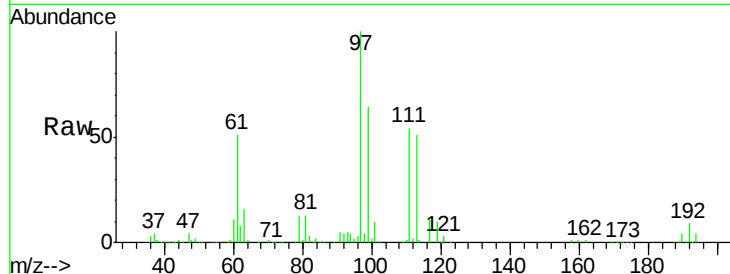
#33
 1,1,1-Trichloroethane
 Concen: 50.46 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.1	75.1
61	51.8	44.0	66.0

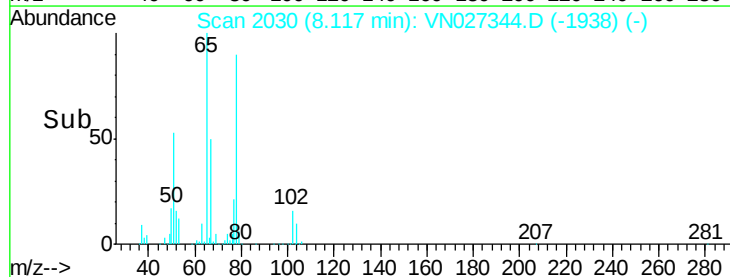
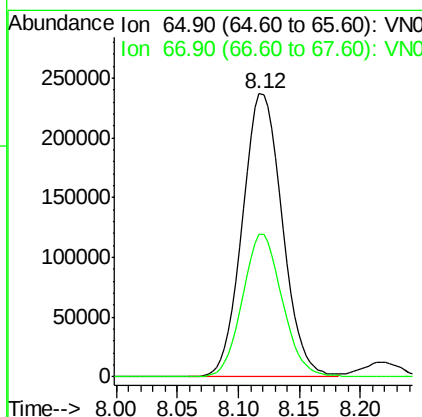
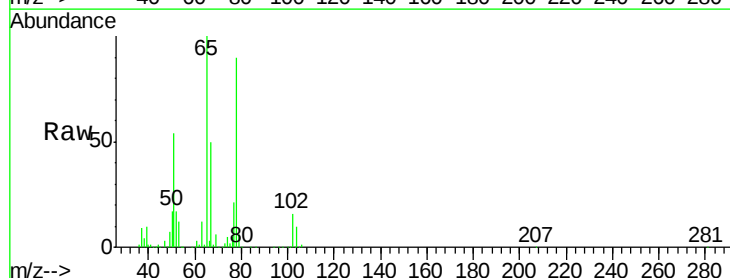
Manual Integrations
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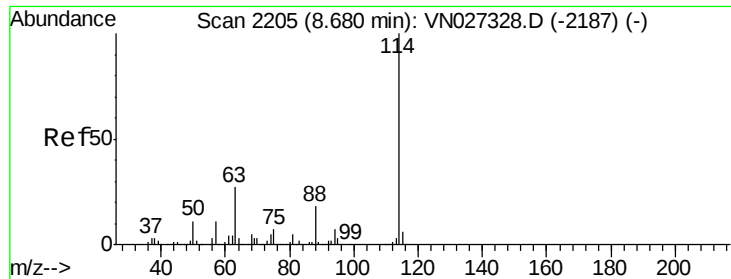
MMDadoda
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#34
 1,2-Dichloroethane-d4
 Concen: 50.67 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	110.6





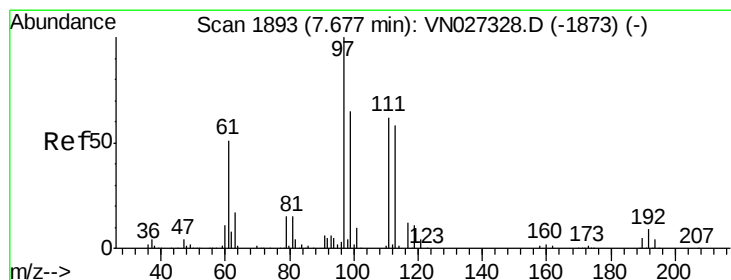
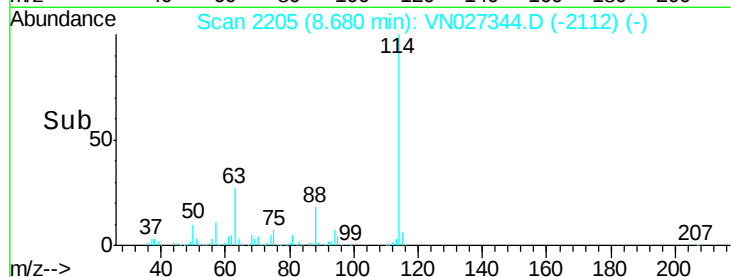
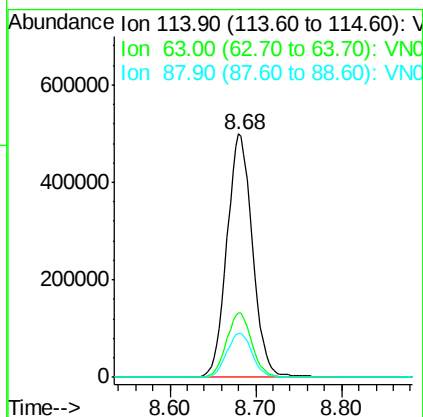
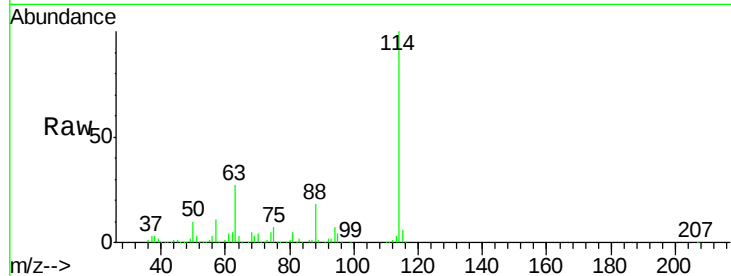
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	0.0	48.8
88	18.3	0.0	32.2

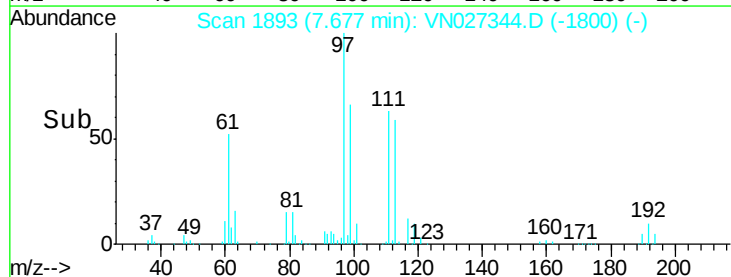
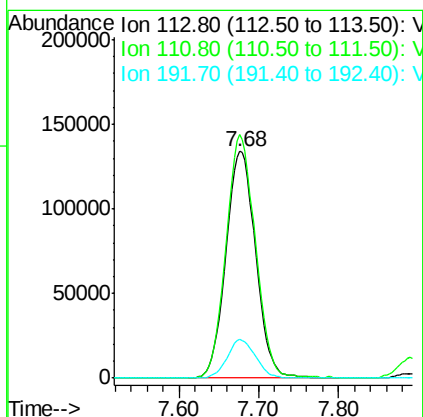
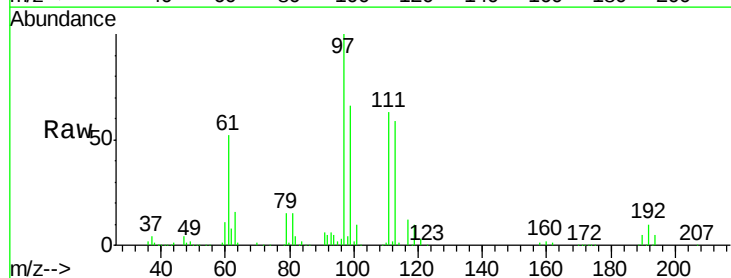
Manual Integrations
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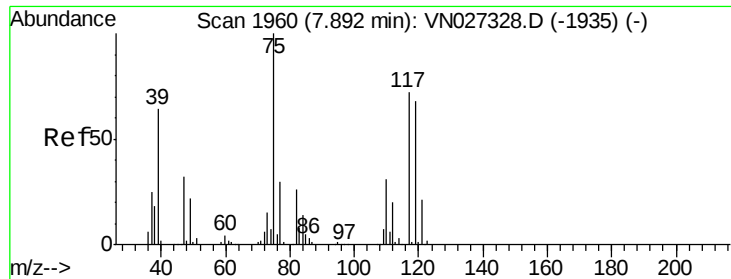
MMDadoda
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#36
 Dibromofluoromethane
 Concen: 50.53 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	83.0	124.4
192	16.2	14.1	21.1





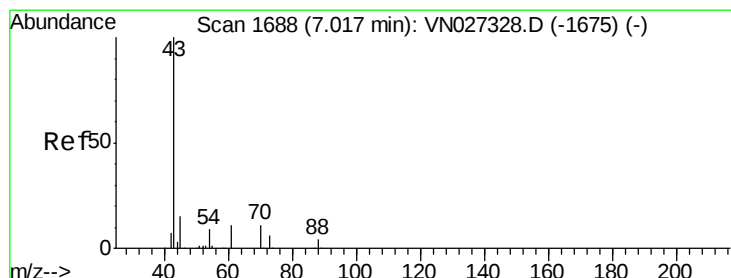
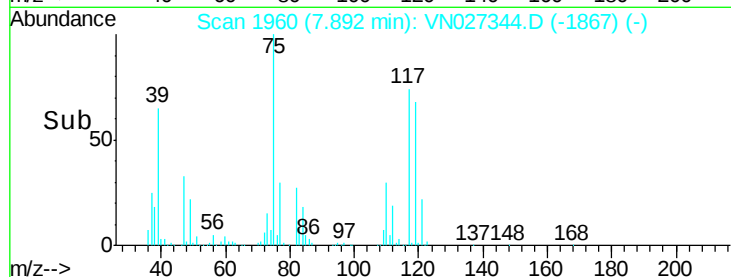
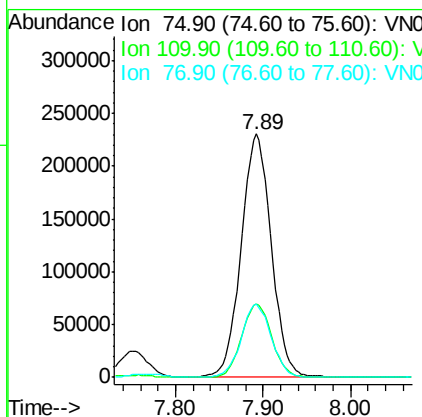
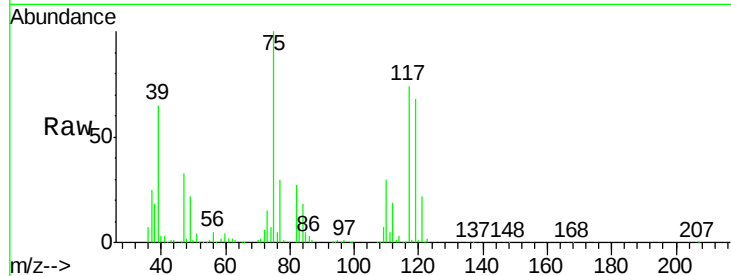
#37
 1,1-Dichloropropene
 Concen: 49.54 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.2	15.9	47.7	
77	29.8	24.9	37.3	

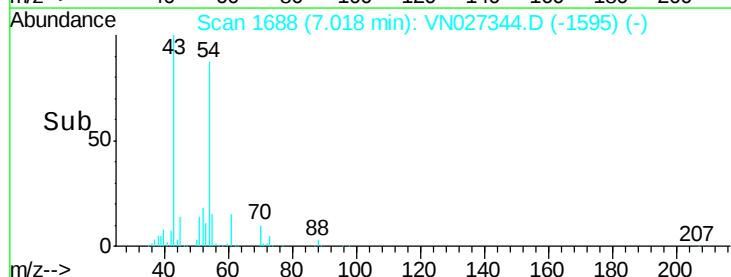
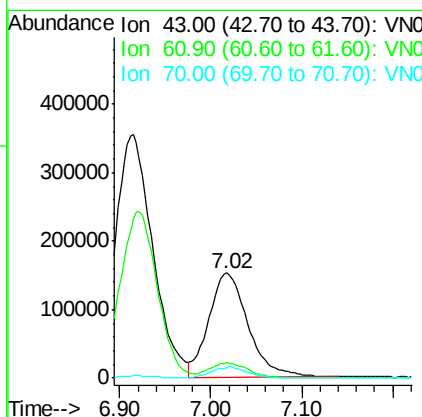
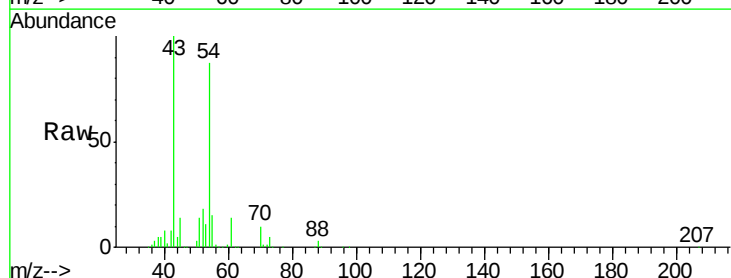
Manual Integrations
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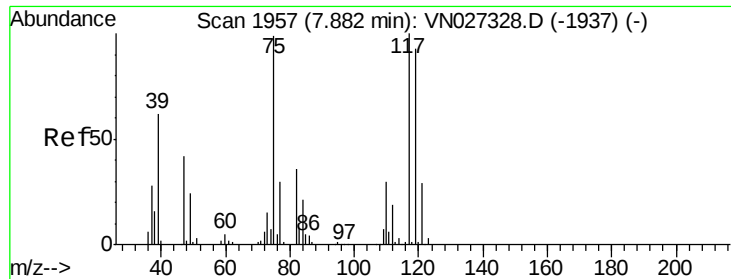
MMDadoda
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#38
 Ethyl Acetate
 Concen: 53.18 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.5	10.2	15.4	
70	9.6	7.4	11.0	





#39

Carbon Tetrachloride

Concen: 48.52 ug/l

RT: 7.88 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

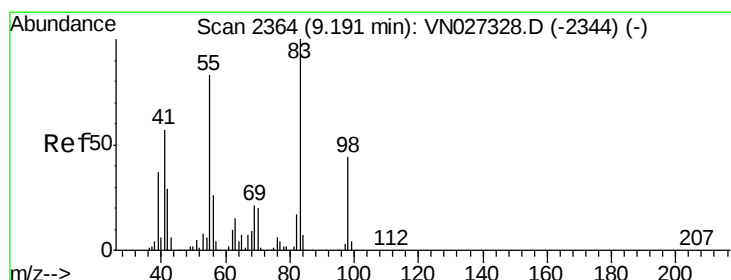
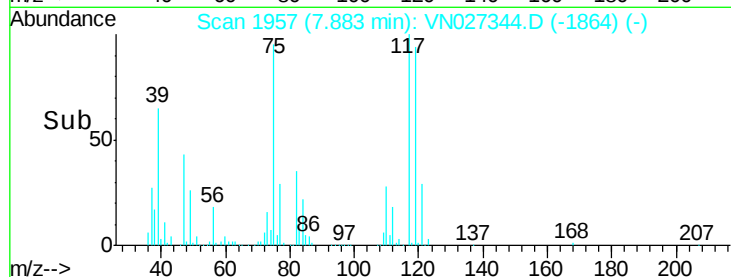
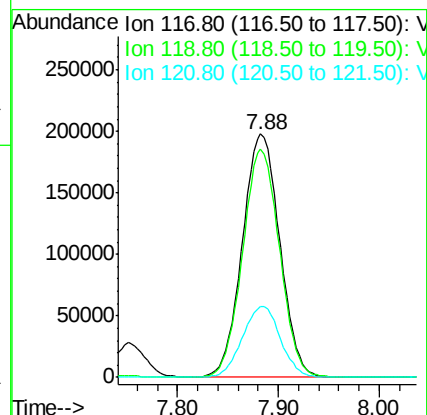
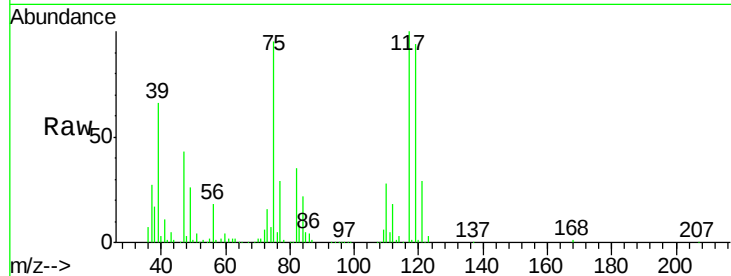
ClientSampled :

VSTDCCC050

Tot Ion:	117	Resp:	506875
Ion Ratio	Lower	Upper	
117	100		
119	93.8	75.3	112.9
121	29.1	23.8	35.8

Manual Integrations
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#40

Methylcyclohexane

Concen: 48.66 ug/l

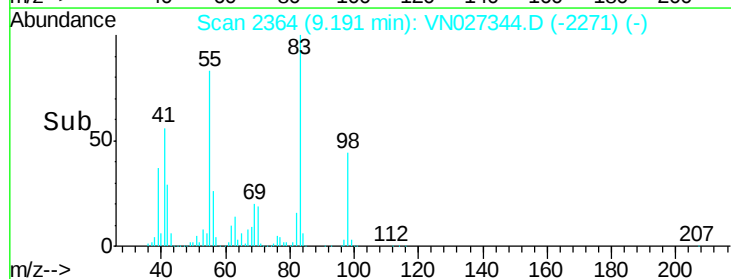
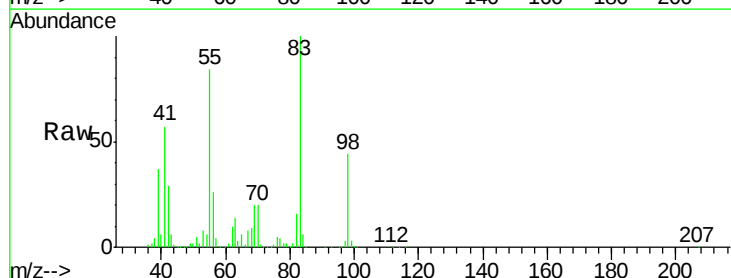
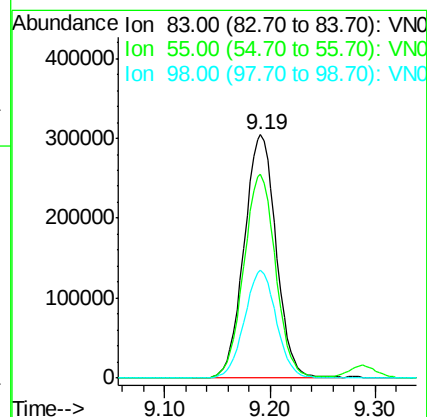
RT: 9.19 min Scan# 2364

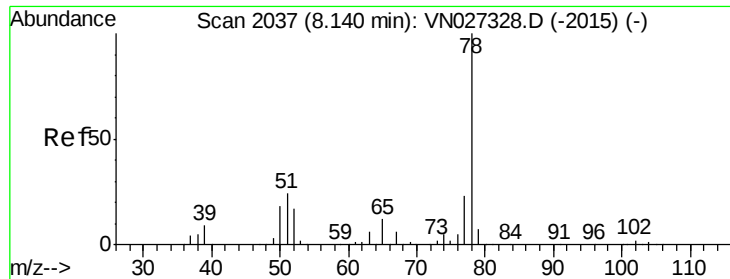
Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Tgt Ion:	83	Resp:	641600
Ion Ratio	Lower	Upper	
83	100		
55	83.4	69.8	104.8
98	44.1	34.3	51.5





#41

Benzene

Concen: 49.39 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 78 Resp: 1591340

Ion Ratio Lower Upper

78 100

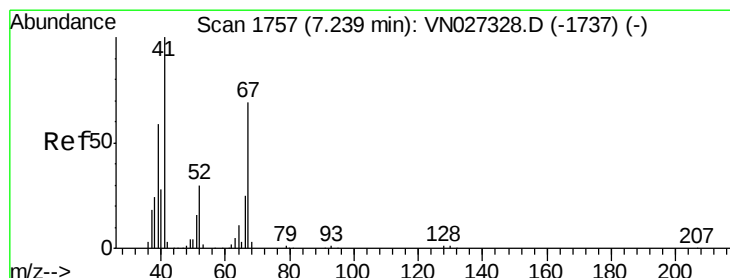
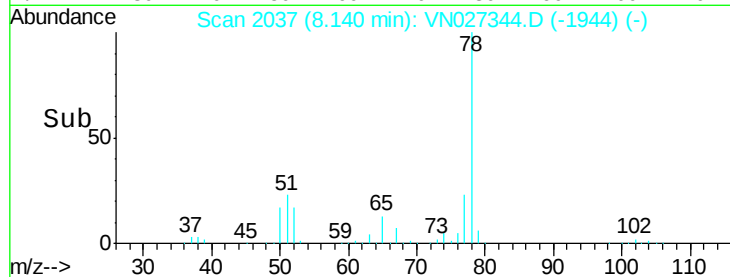
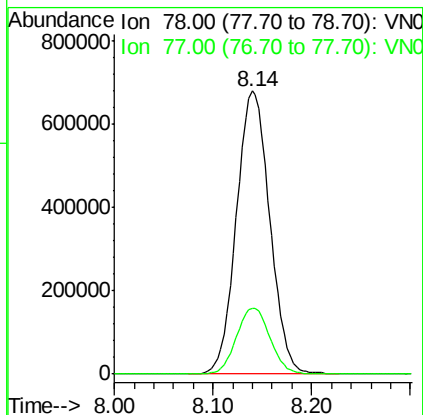
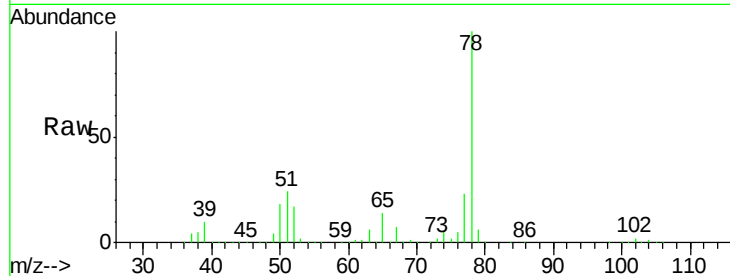
77 23.4 19.0 28.4

Manual Integrations

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#42

Methacrylonitrile

Concen: 50.38 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Tgt Ion: 41 Resp: 254929

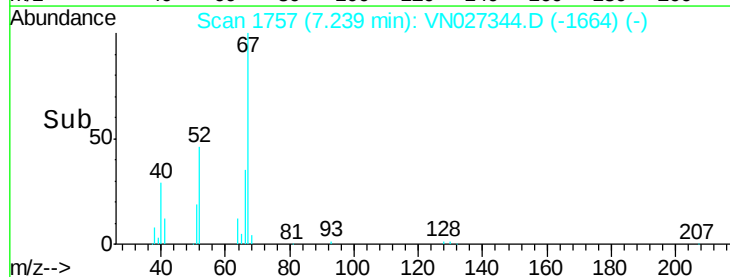
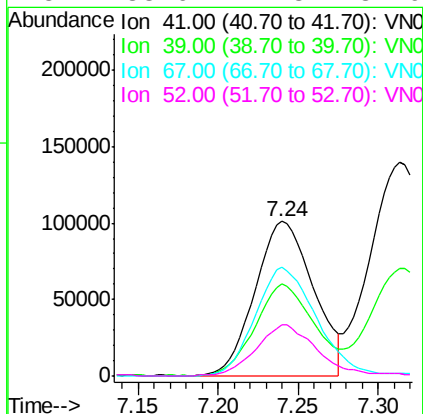
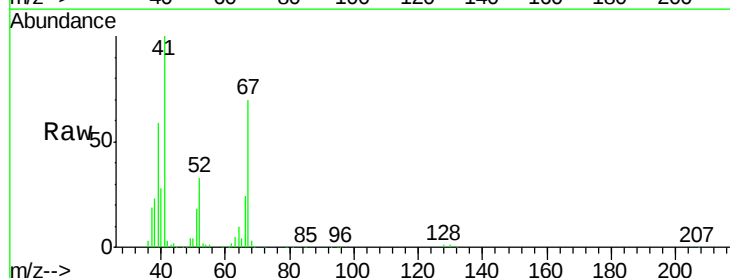
Ion Ratio Lower Upper

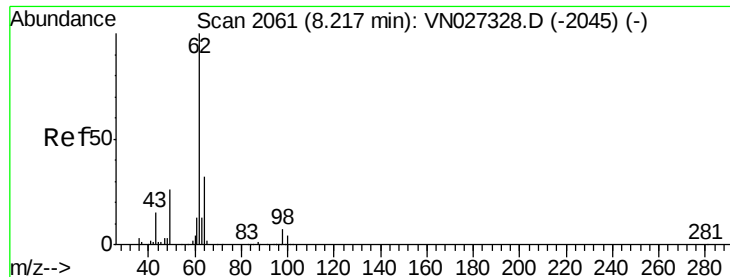
41 100

39 60.8 43.0 64.6

67 74.9 52.2 78.2

52 33.6 21.3 31.9#





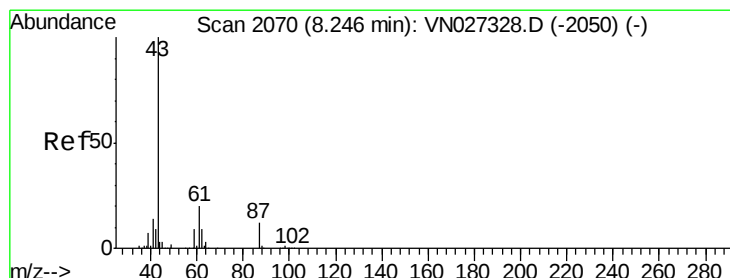
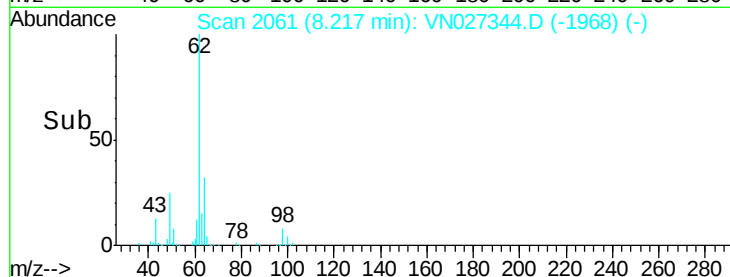
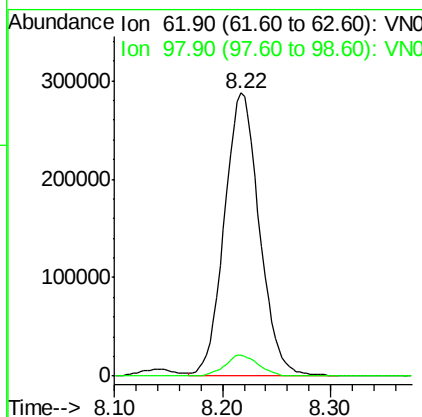
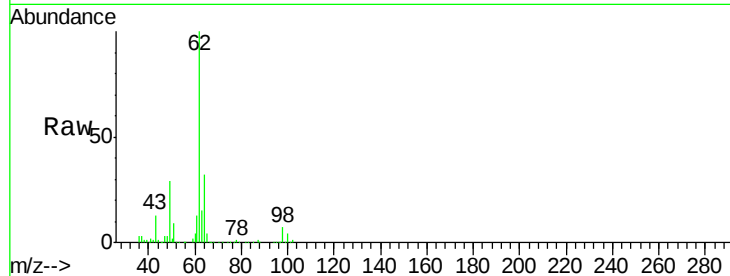
#43
 1,2-Dichloroethane
 Concen: 49.27 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
62	100	647188		
98	7.3	0.0	18.0	

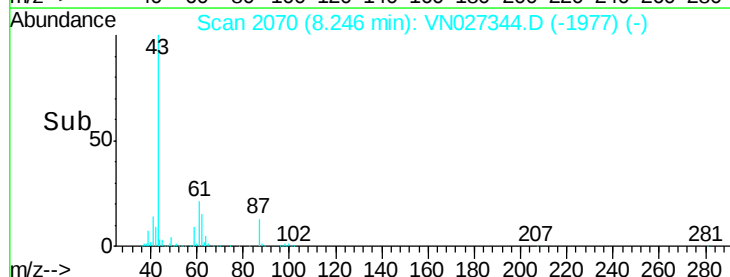
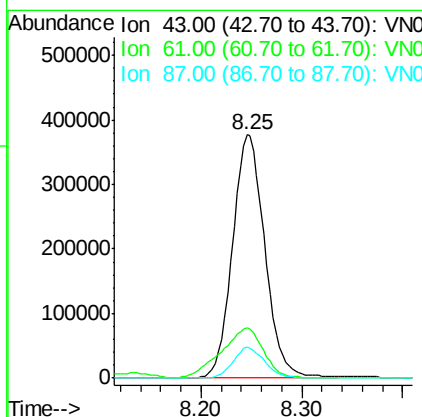
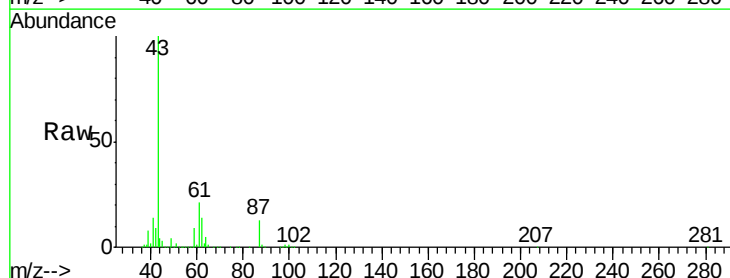
Manual Integrations
 APPROVED

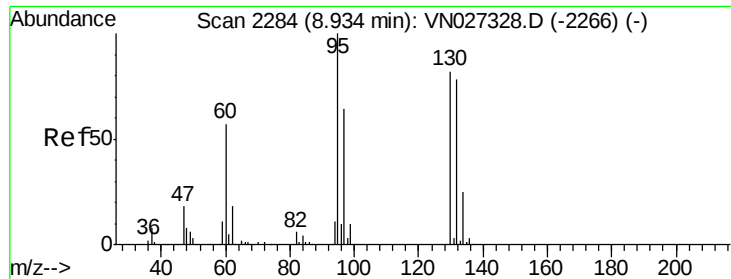
MMDadoda
 9/22/2015 2:28:54 PM



#44
 Isopropyl Acetate
 Concen: 50.85 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	833154		
61	27.1	20.6	31.0	
87	12.4	8.6	13.0	





#45

Trichloroethene

Concen: 49.52 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:130 Resp: 319627

Ion Ratio Lower Upper

130 100

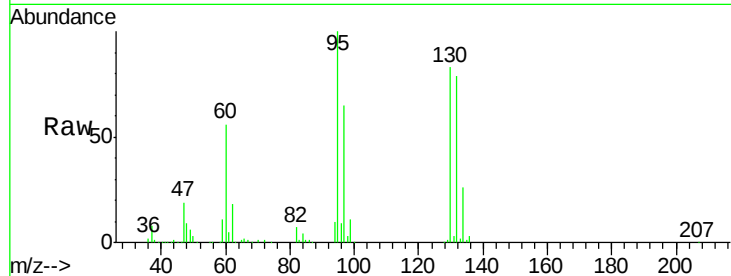
95 120.3 0.0 222.2

Manual Integrations

APPROVED

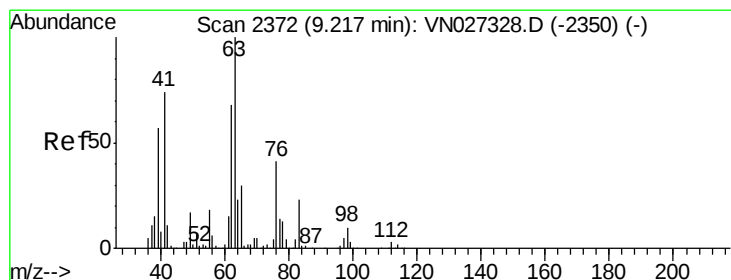
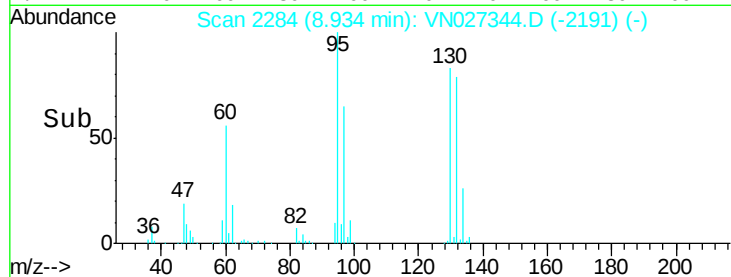
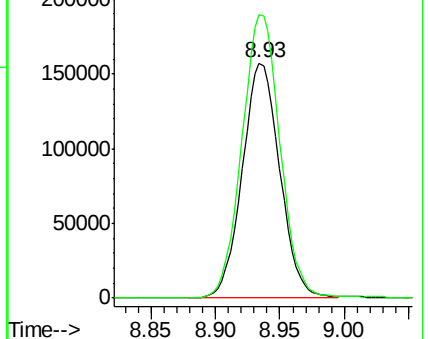
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#46

1,2-Dichloropropane

Concen: 49.79 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027344.D

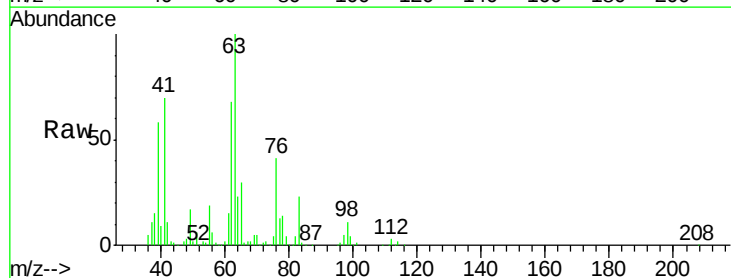
Acq: 21 Sep 2015 21:54

Tgt Ion: 63 Resp: 449005

Ion Ratio Lower Upper

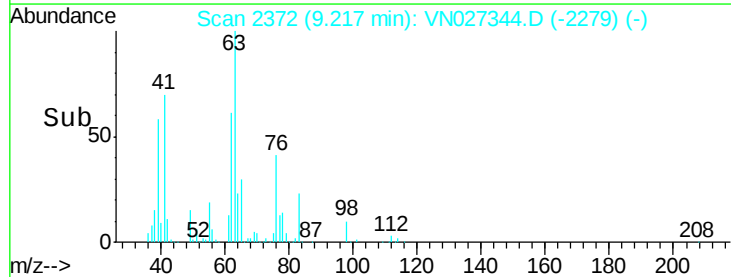
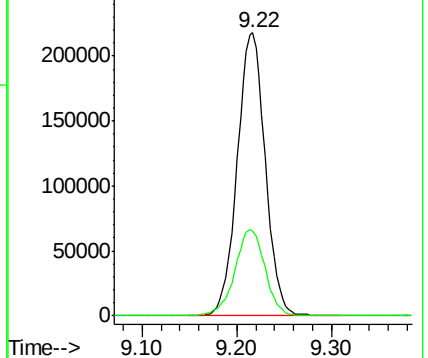
63 100

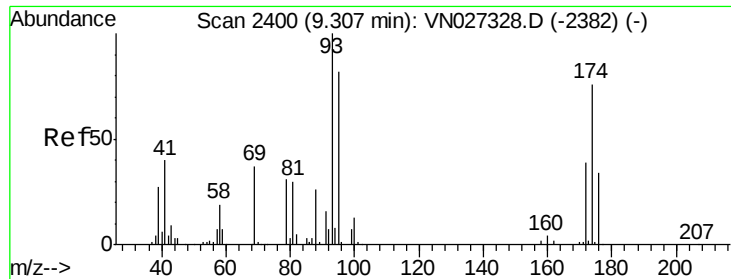
65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





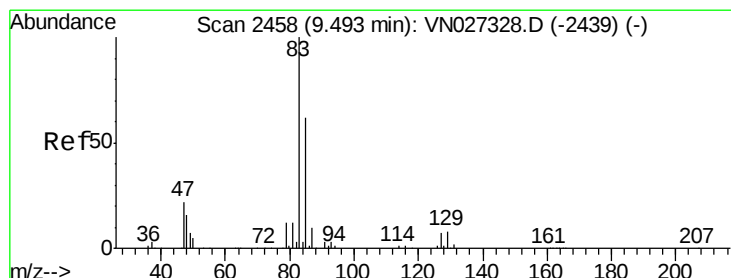
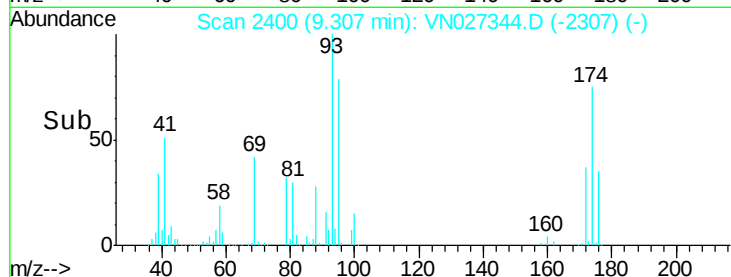
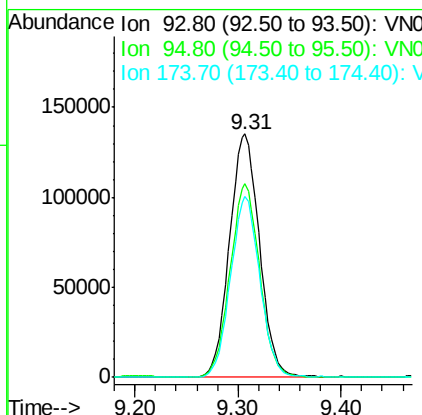
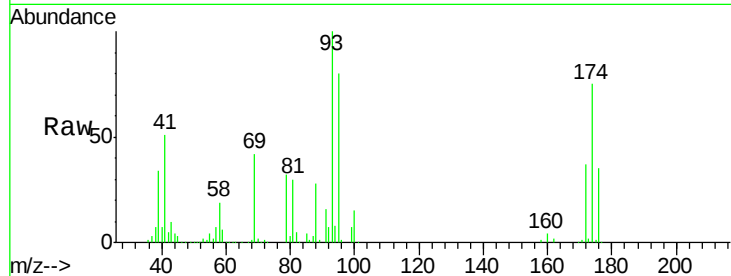
#47
Dibromomethane
Concen: 50.76 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
93	100		
95	78.3	66.3	99.5
174	72.5	67.8	101.6

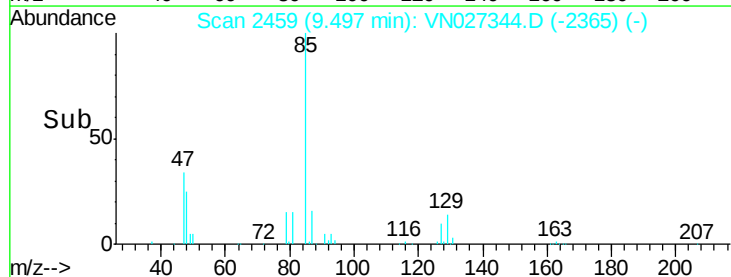
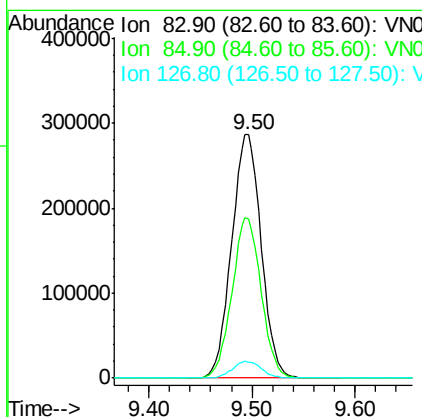
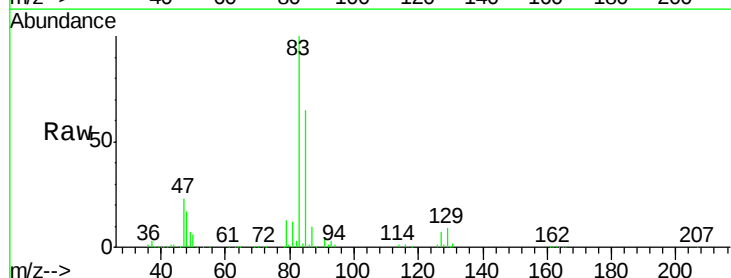
Manual Integrations
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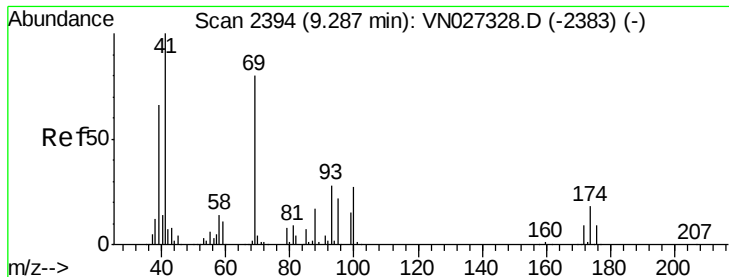
MMDadoda
9/22/2015 2:28:54 PM



#48
Bromodichloromethane
Concen: 49.82 ug/l
RT: 9.50 min Scan# 2459
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.7	76.1
127	6.6	5.5	8.3





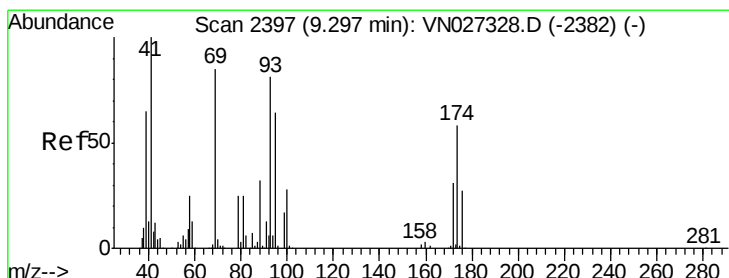
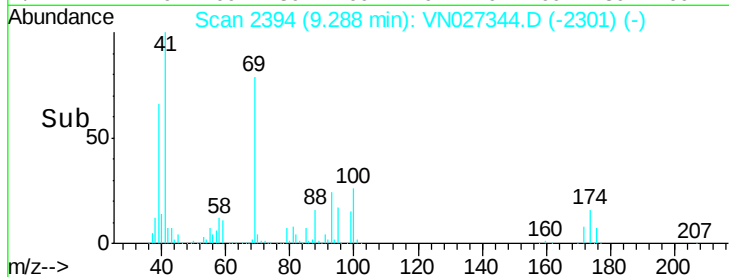
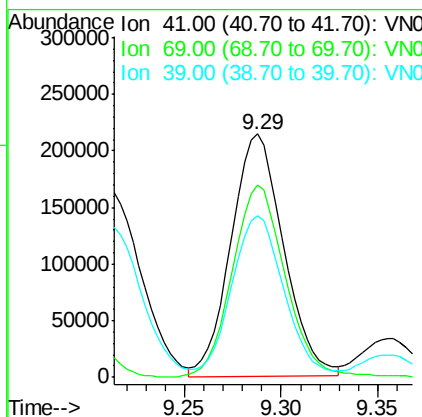
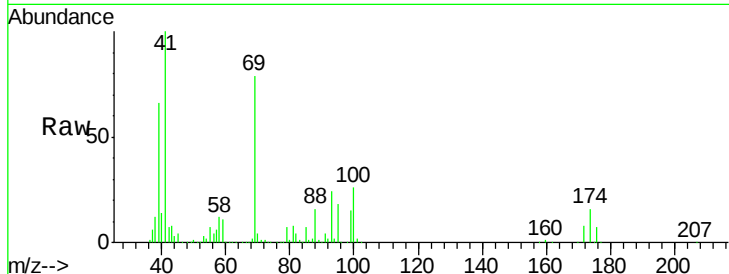
#49
Methvl methacrylate
Concen: 52.54 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.6	59.3	88.9	
39	66.6	39.5	59.3#	

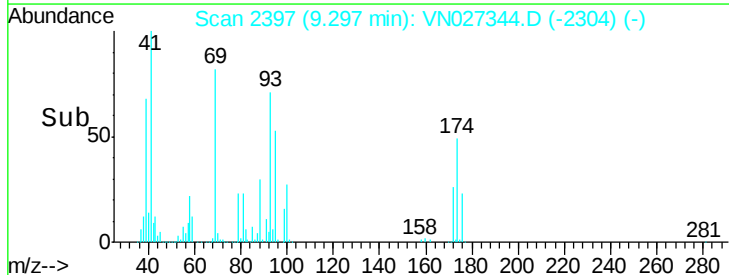
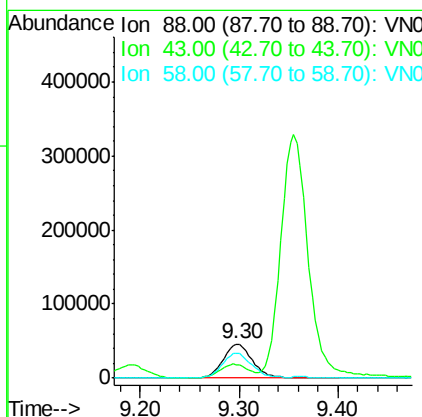
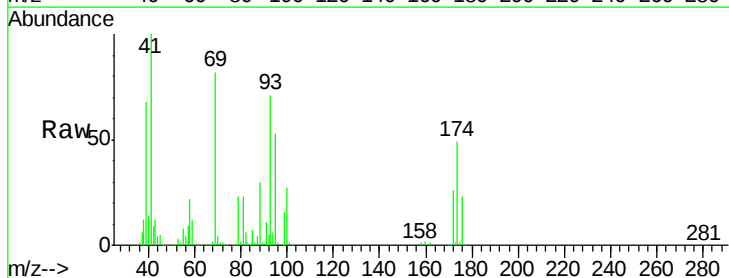
Manual Integrations
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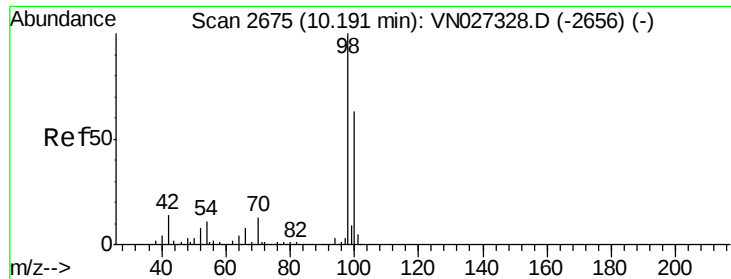
MMDadoda
9/22/2015 2:28:54 PM



#50
1,4-Dioxane
Concen: 1034.91 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.9	27.6	41.4	
58	73.3	63.1	94.7	





#51

Toluene-d8

Concen: 49.78 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 98 Resp: 1293434

Ion Ratio Lower Upper

98 100

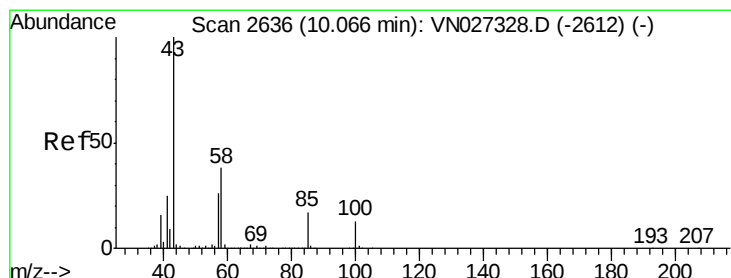
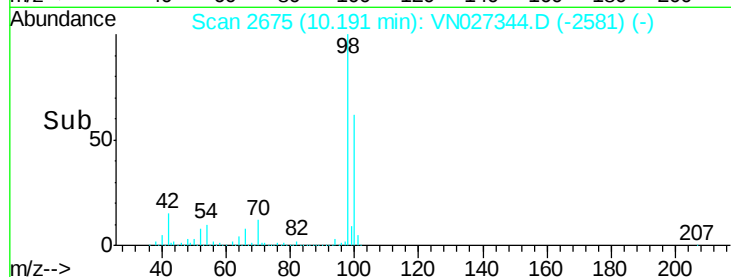
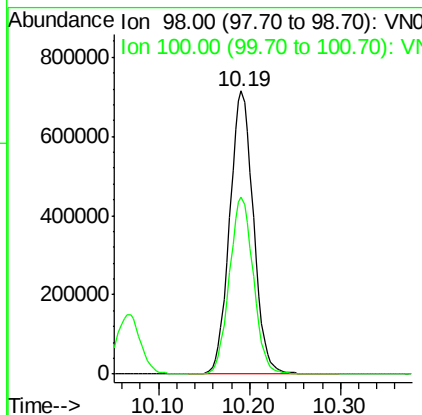
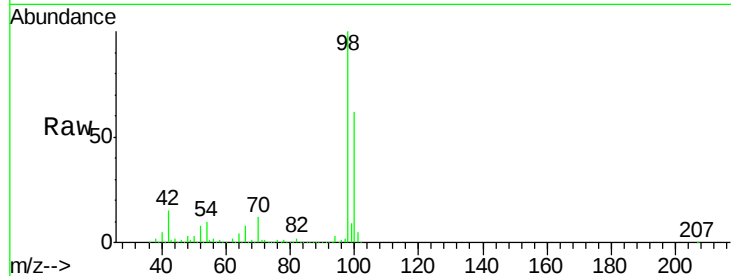
100 63.1 50.5 75.7

Manual Integrations

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#52

4-Methyl-2-Pentanone

Concen: 257.12 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027344.D

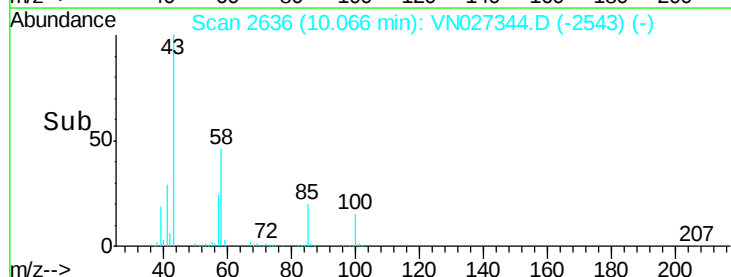
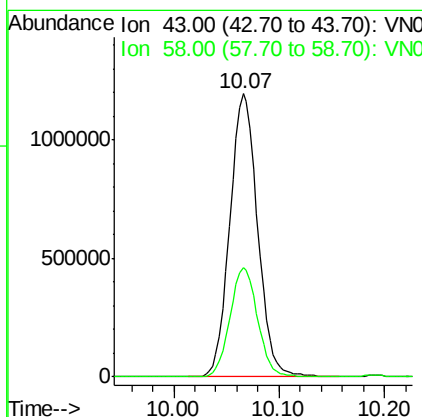
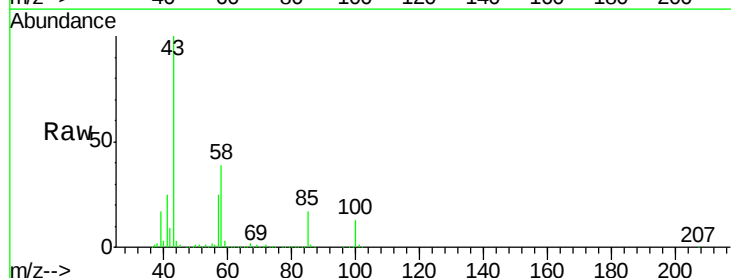
Acq: 21 Sep 2015 21:54

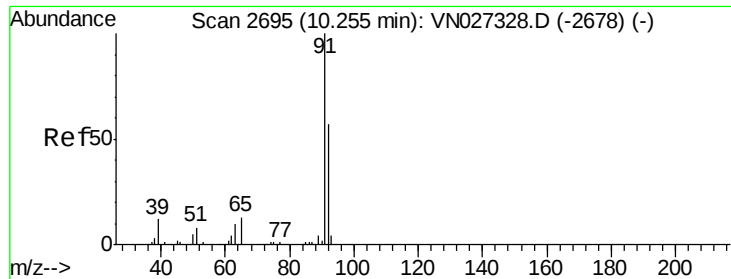
Tgt Ion: 43 Resp: 2166725

Ion Ratio Lower Upper

43 100

58 38.6 29.8 44.8





#53

Toluene

Concen: 49.66 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 92 Resp: 946438

Ion Ratio Lower Upper

92 100

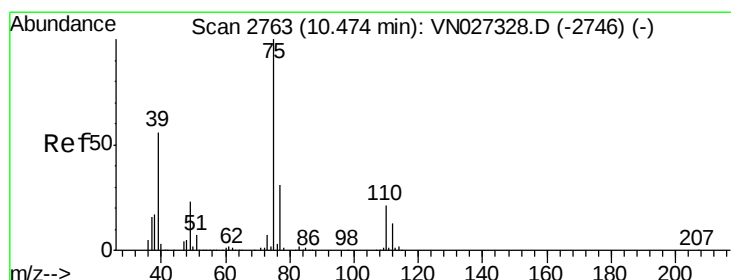
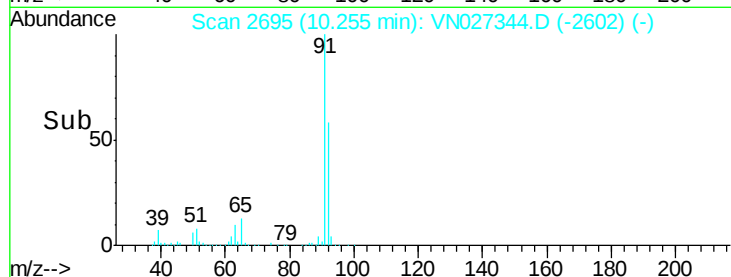
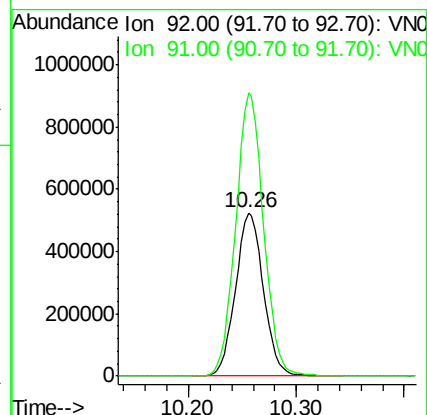
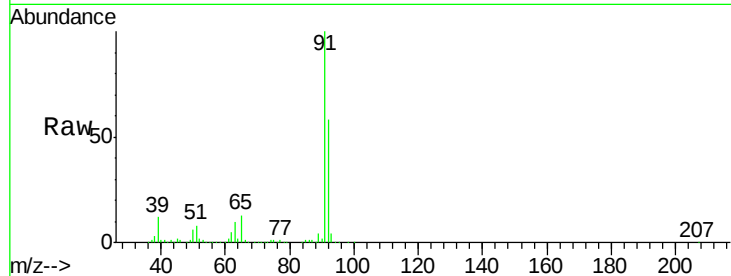
91 173.3 141.4 212.2

Manual Integrations

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#54

t-1,3-Dichloropropene

Concen: 50.10 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027344.D

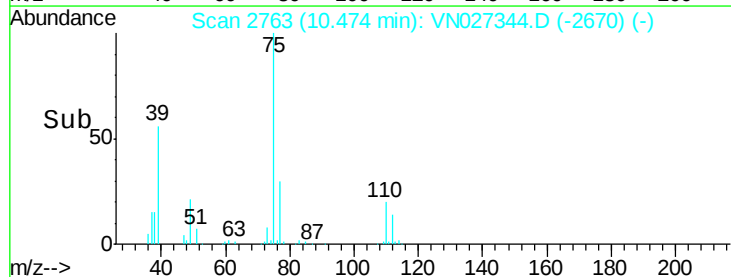
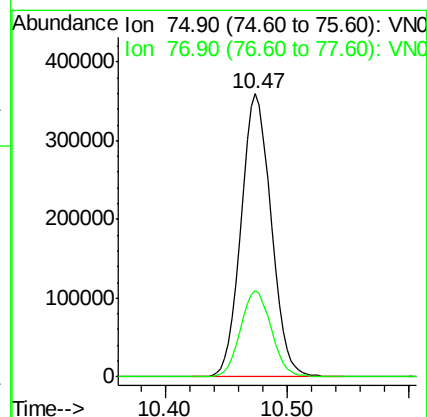
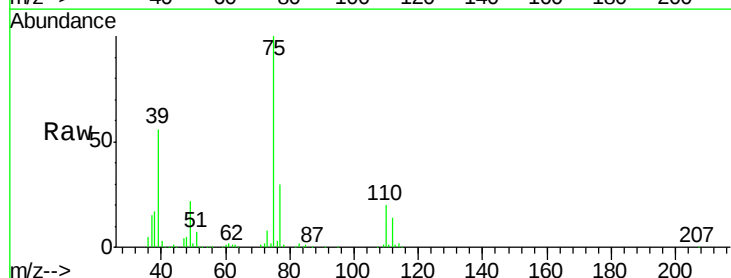
Acq: 21 Sep 2015 21:54

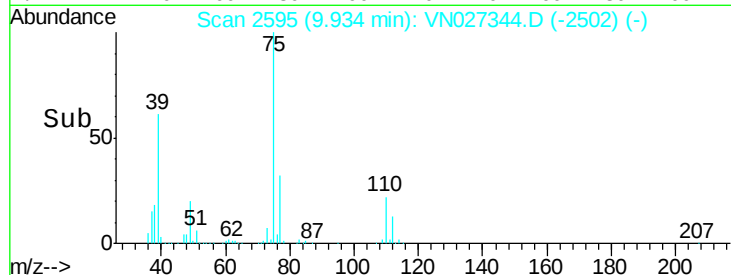
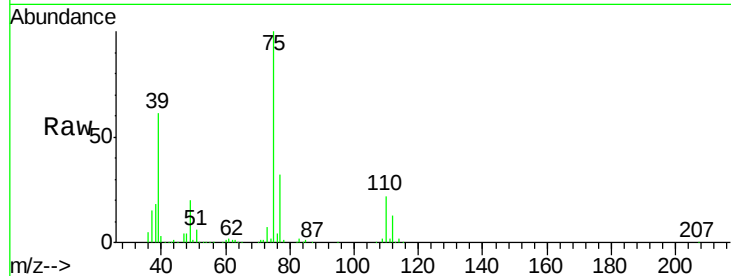
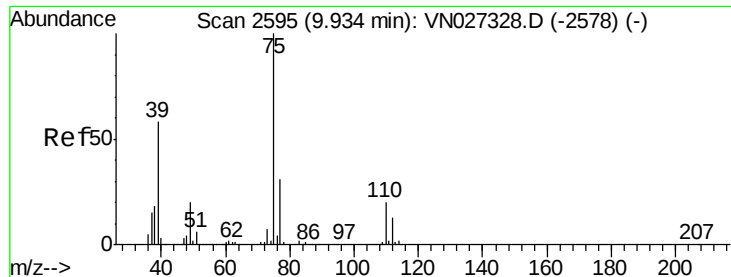
Tgt Ion: 75 Resp: 613916

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.2





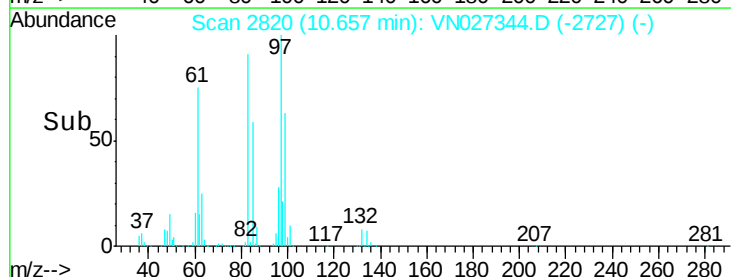
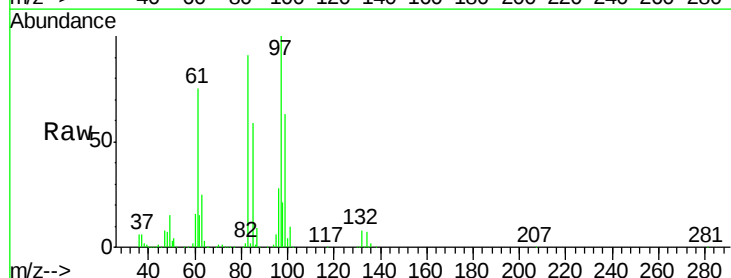
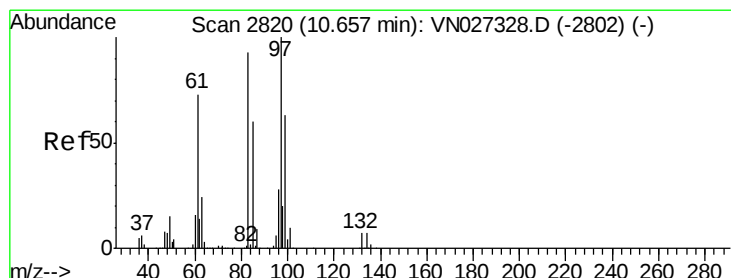
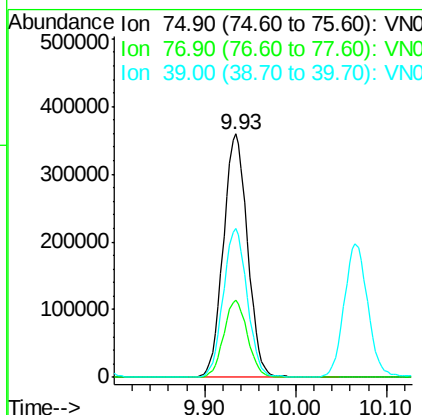
#55
 cis-1,3-Dichloropropene
 Concen: 49.46 ug/l
 RT: 9.93 min Scan# 2595
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tot Ion:	75	Resp:	665755
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.6	38.4
39	61.0	41.6	62.4

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

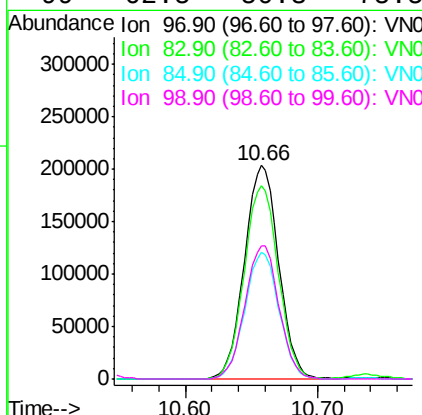
Manual Integrations
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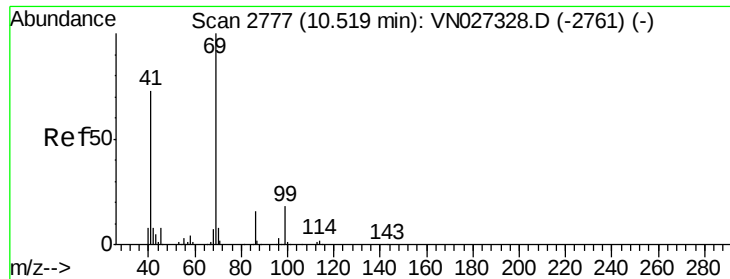
MMDadoda
 9/22/2015 2:28:54 PM



#56
 1,1,2-Trichloroethane
 Concen: 51.36 ug/l
 RT: 10.66 min Scan# 2820
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion:	97	Resp:	365021
Ion Ratio	Lower	Upper	
97	100		
83	90.6	75.0	112.4
85	59.3	48.0	72.0
99	62.5	50.3	75.5





#57

Ethyl methacrylate

Concen: 51.47 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

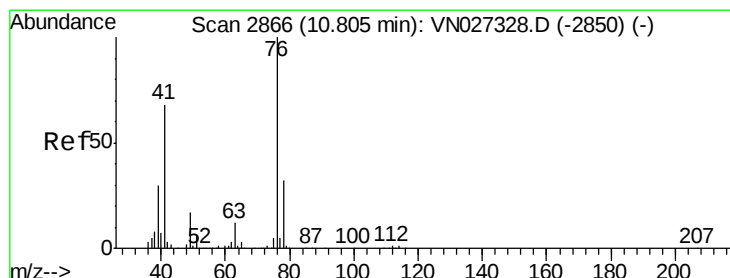
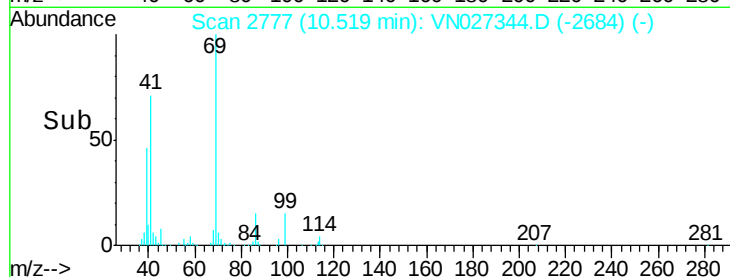
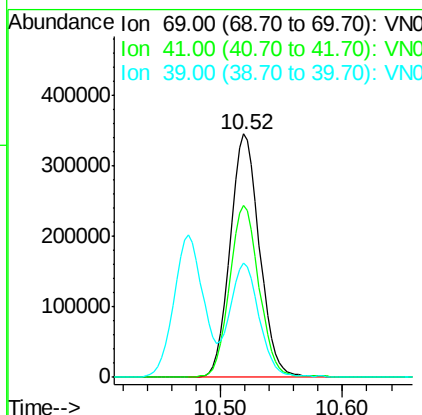
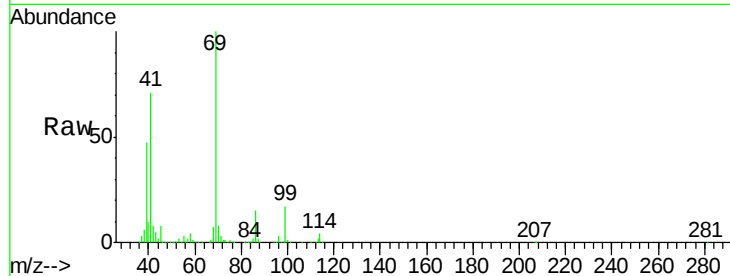
ClientSampleId :

VSTDCCC050

Tot Ion:	69	Resp:	580606
Ion	Ratio	Lower	Upper
69	100		
41	70.4	61.3	91.9
39	46.4	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 50.50 ug/l

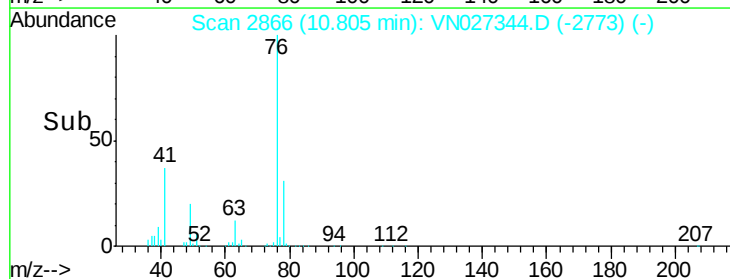
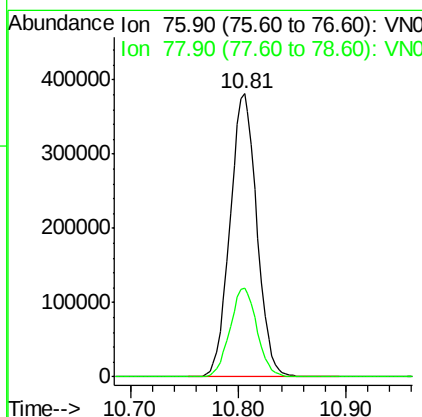
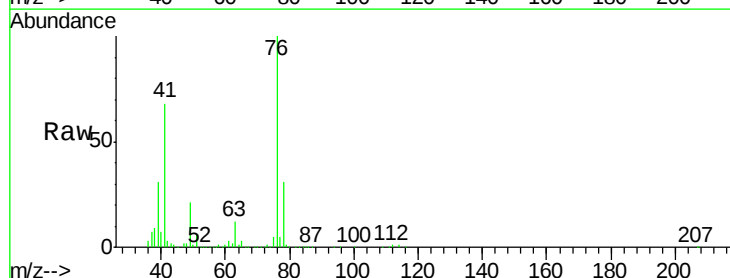
RT: 10.81 min Scan# 2866

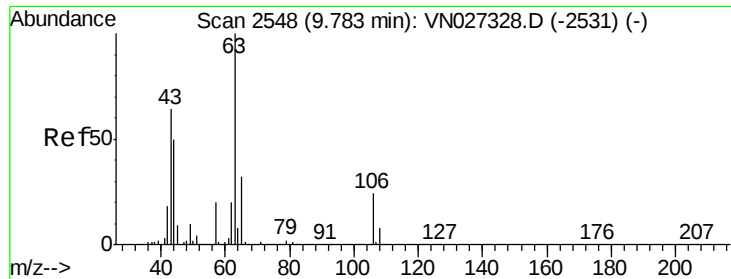
Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Tgt Ion:	76	Resp:	661516
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.0	37.6





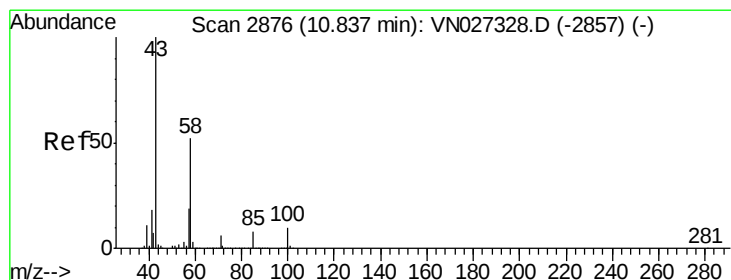
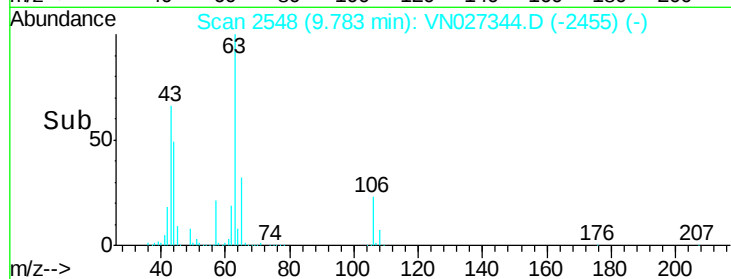
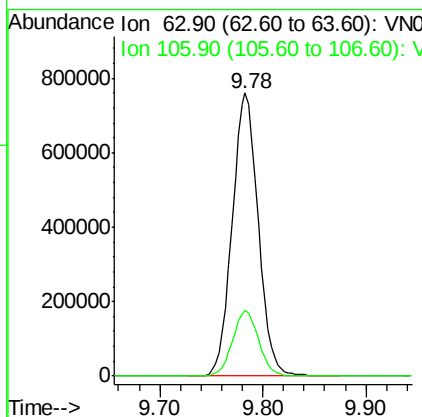
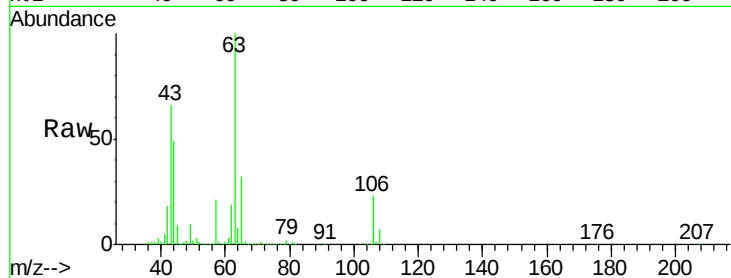
#59
 2-Chloroethyl Vinyl ether
 Concen: 267.34 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 1336448
 Ion Ratio Lower Upper
 63 100
 106 23.3 17.7 26.5

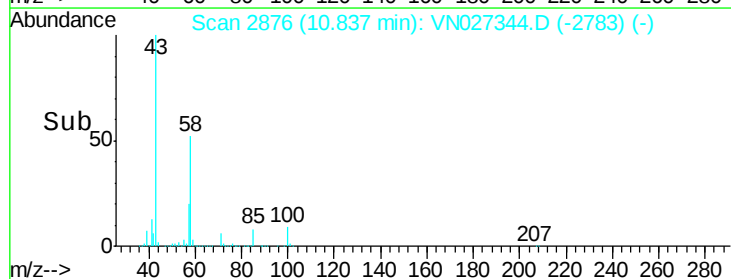
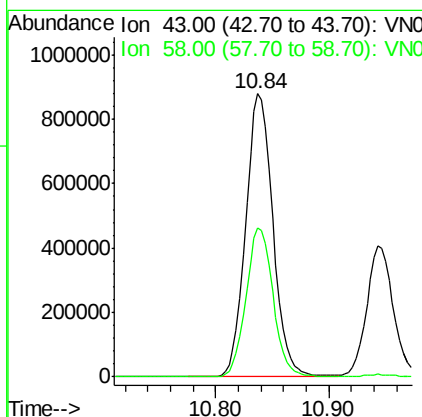
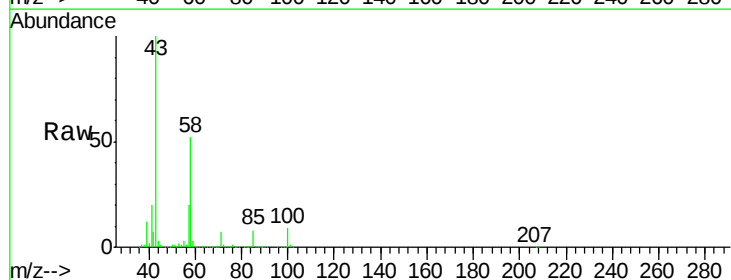
Manual Integrations
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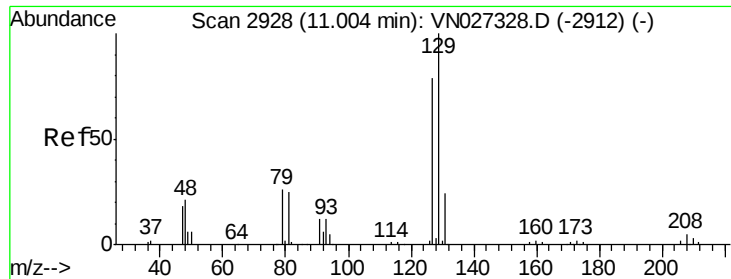
MMDadoda
 9/22/2015 2:28:54 PM



#60
 2-Hexanone
 Concen: 257.00 ug/l
 RT: 10.84 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion: 43 Resp: 1471844
 Ion Ratio Lower Upper
 43 100
 58 52.4 26.2 78.5





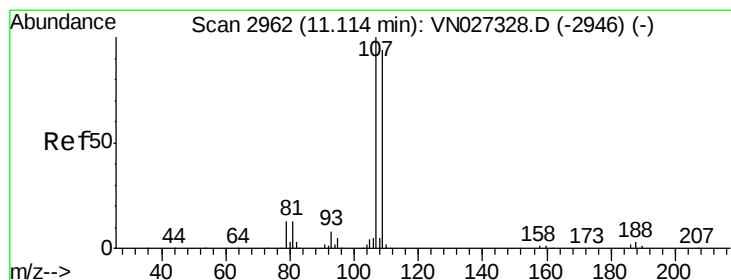
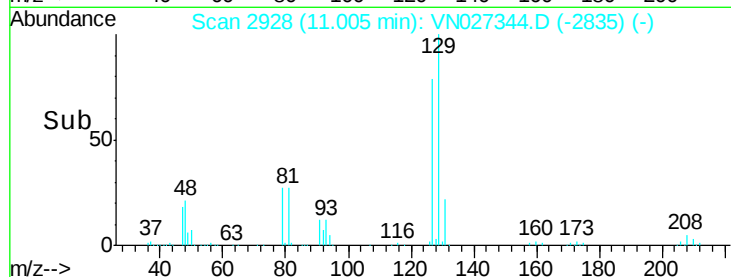
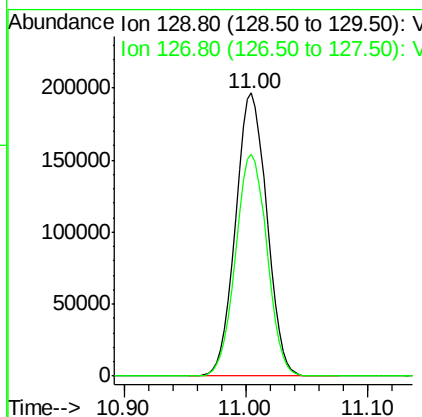
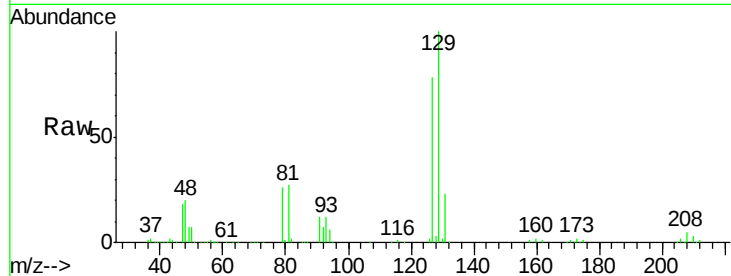
#61
 Dibromochloromethane
 Concen: 50.14 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:129 Resp: 349045
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.2

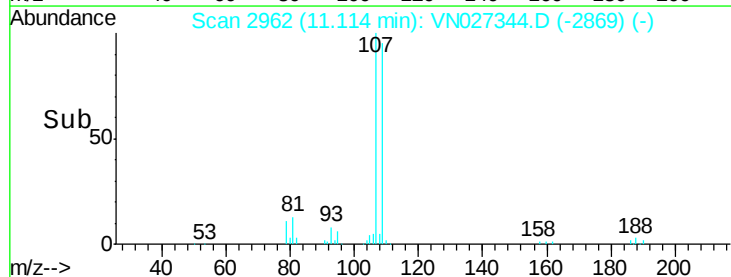
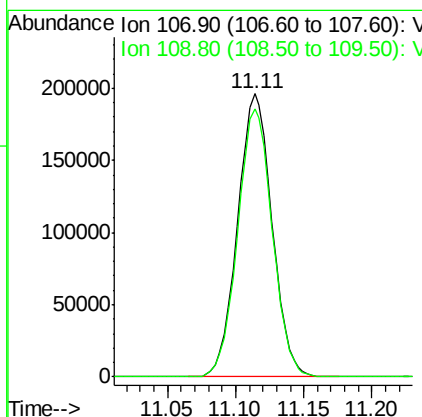
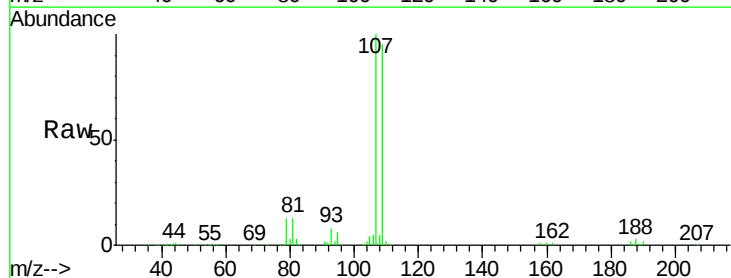
Manual Integrations
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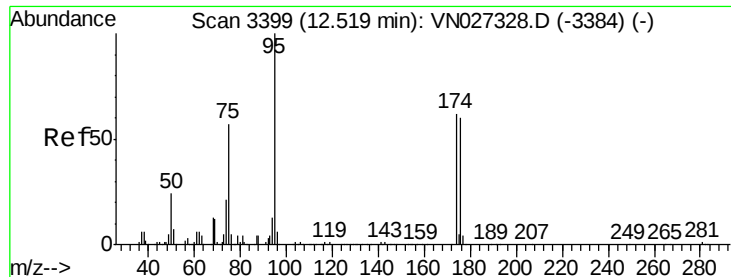
MMDadoda
 9/22/2015 2:28:54 PM



#62
 1,2-Dibromoethane
 Concen: 50.75 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion:107 Resp: 343020
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.6 113.4





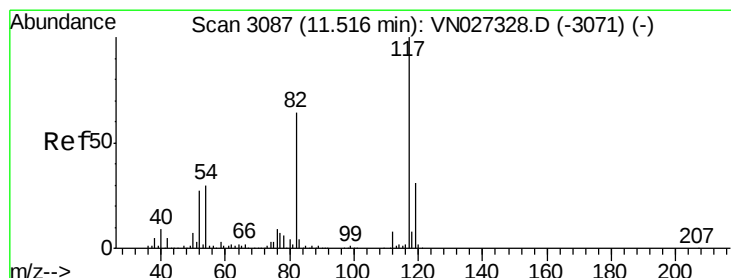
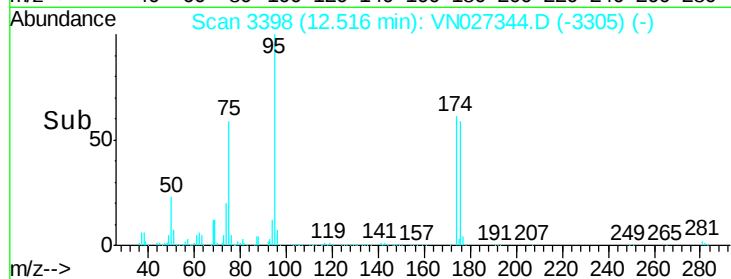
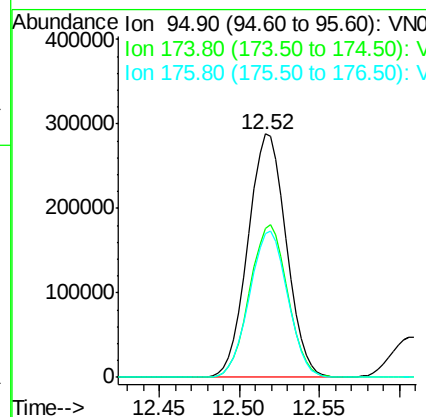
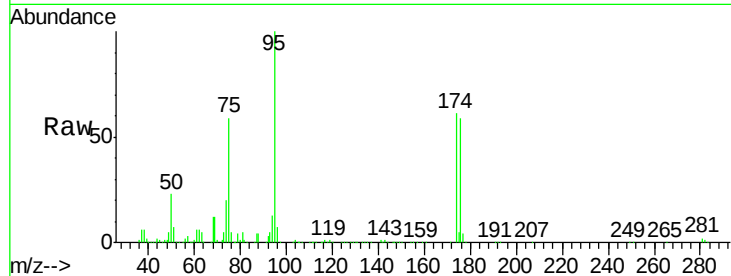
#63
4-Bromofluorobenzene
Concen: 49.96 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
95	100	471575		
174	62.3	0.0	137.0	
176	60.1	0.0	130.8	

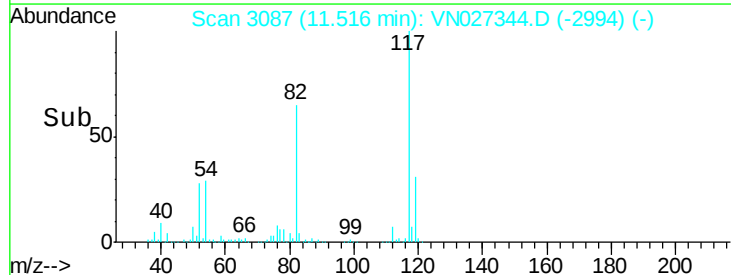
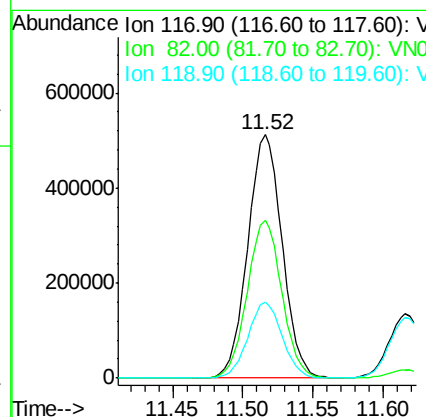
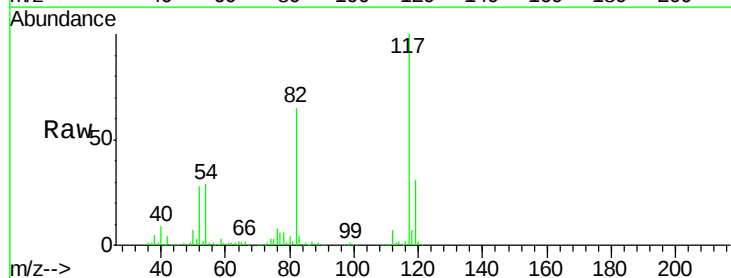
Manual Integrations
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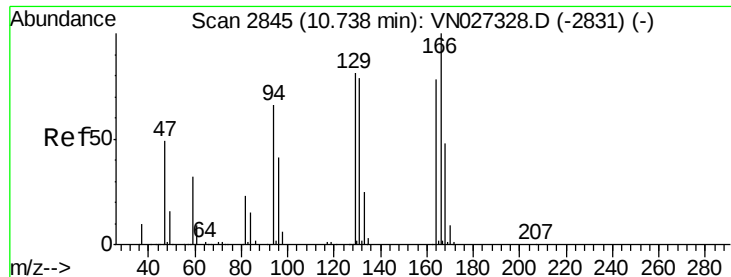
MMDadoda
9/22/2015 2:28:54 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	876624		
82	65.0	49.6	74.4	
119	31.0	24.6	36.8	





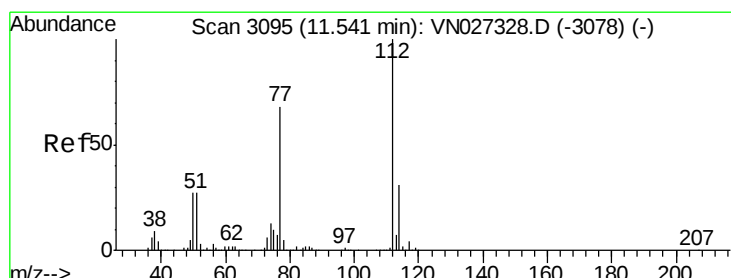
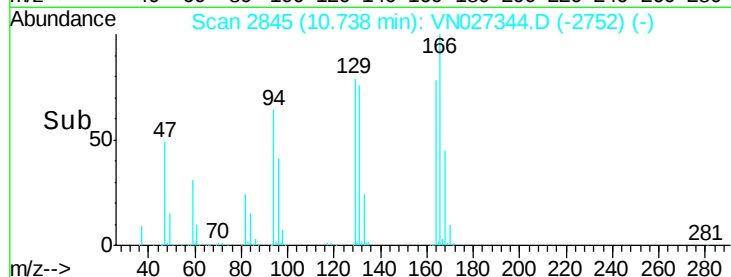
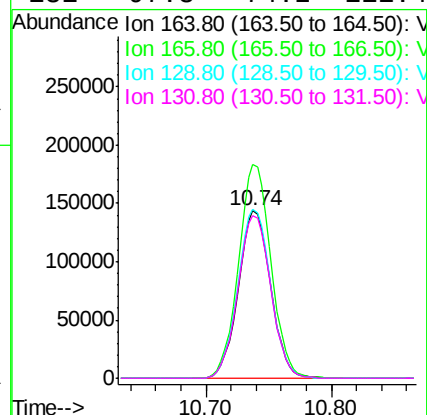
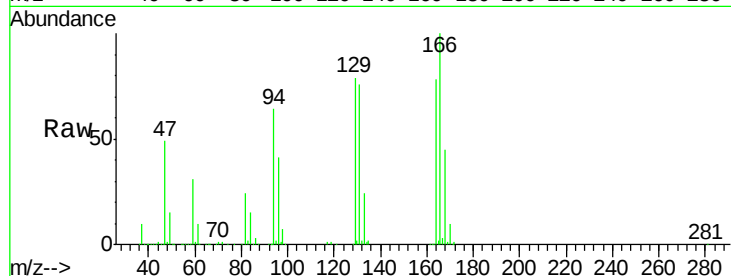
#65
Tetrachloroethene
Concen: 49.16 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.4	155.0
129	101.1	77.5	116.3
131	97.3	74.2	111.4

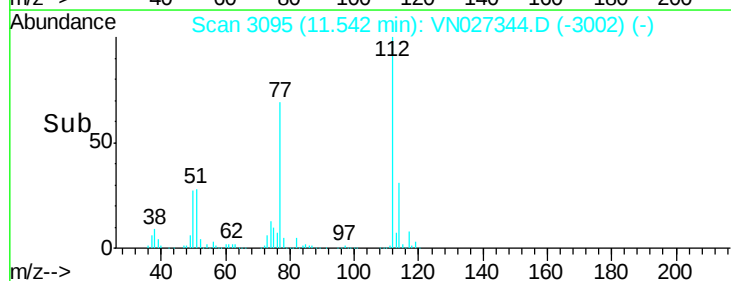
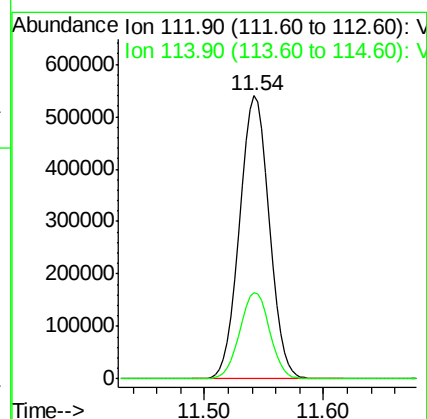
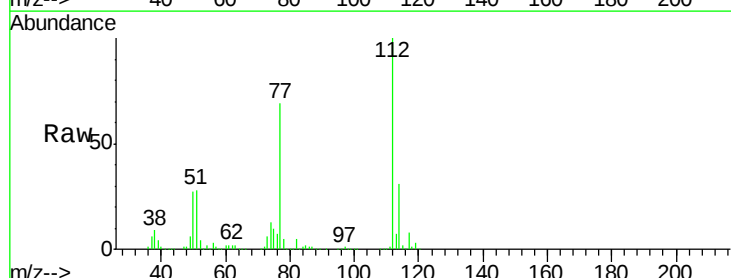
Manual Integrations
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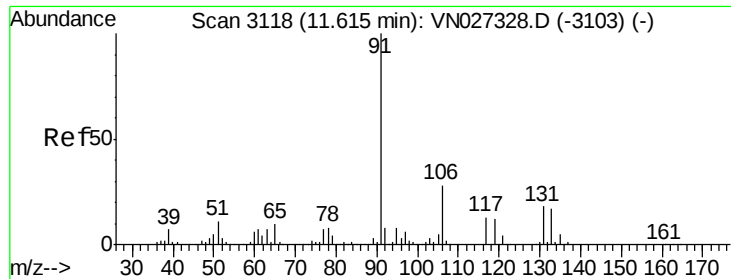
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#66
Chlorobenzene
Concen: 49.86 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.9	37.3





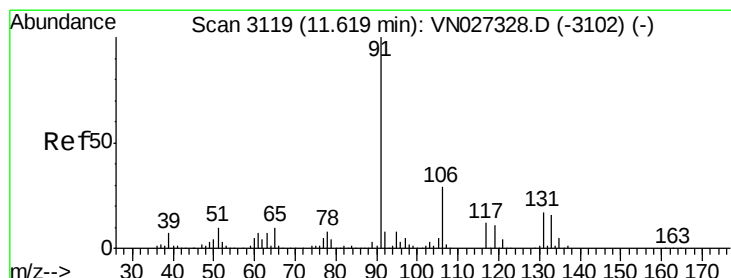
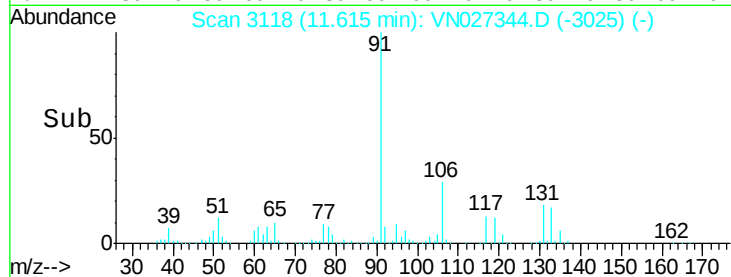
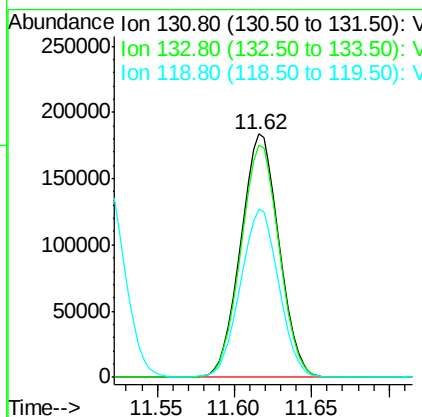
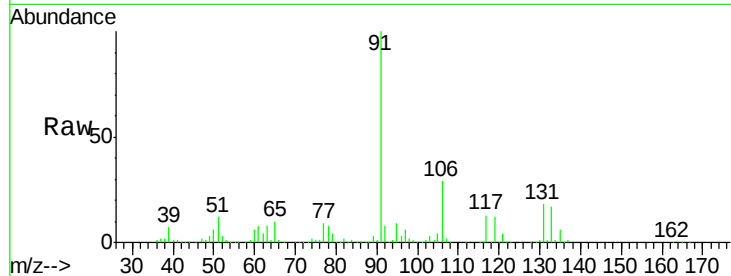
#67
 1,1,1,2-Tetrachloroethane
 Concen: 50.29 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.0	141.2
119	69.1	35.1	105.5

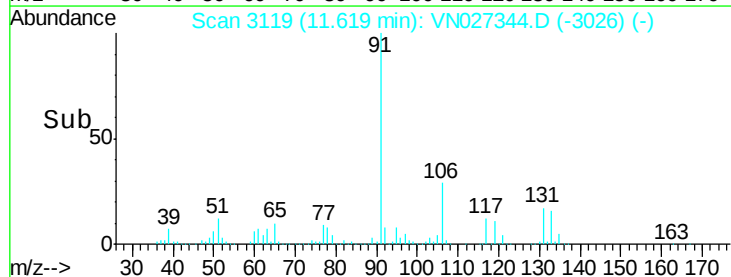
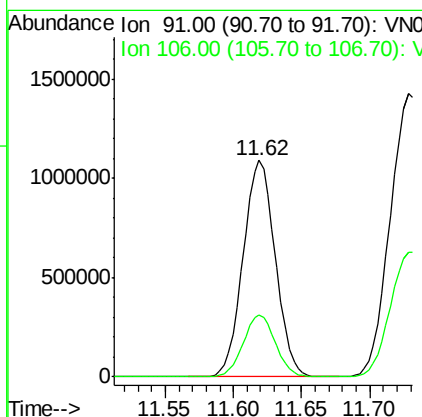
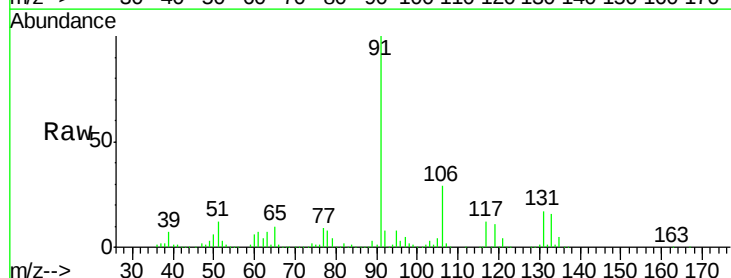
Manual Integrations
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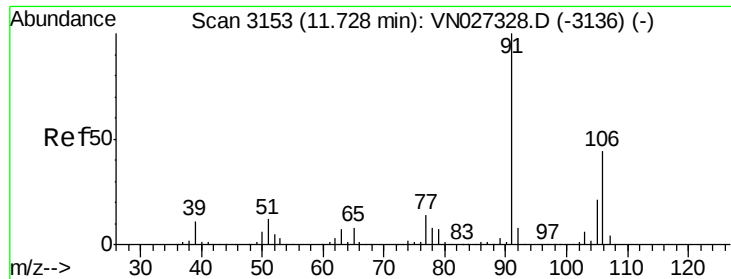
MMDadoda
 9/22/2015 2:28:54 PM



#68
 Ethyl Benzene
 Concen: 50.39 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.1	34.7





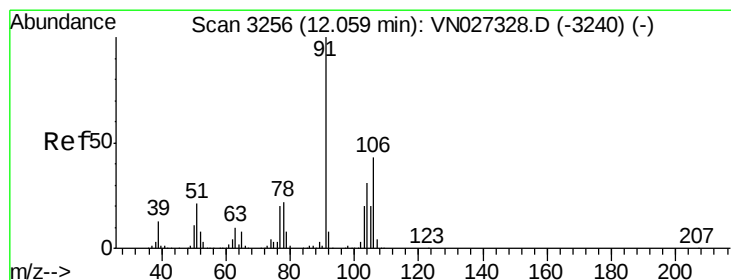
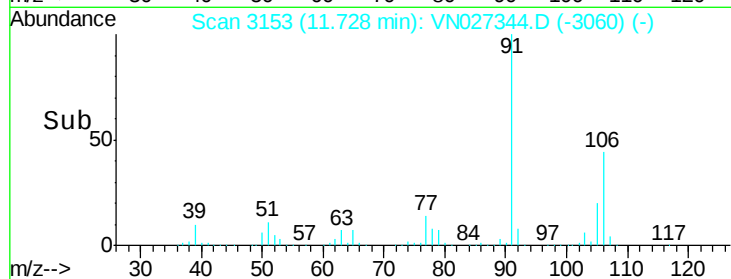
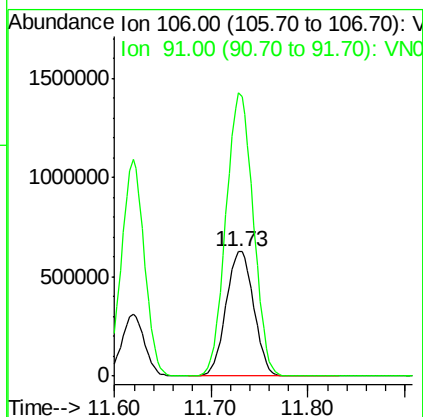
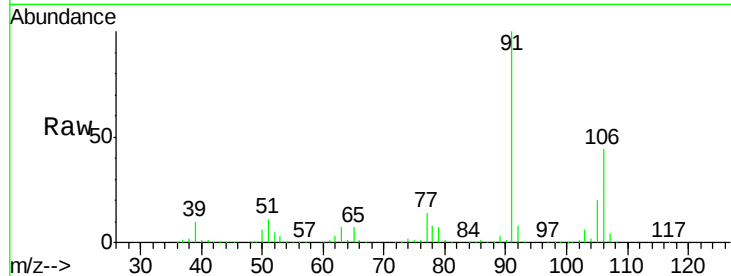
#69
m/p-Xylenes
Concen: 101.45 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1246879
Ion Ratio Lower Upper
106 100
91 224.3 167.1 250.7

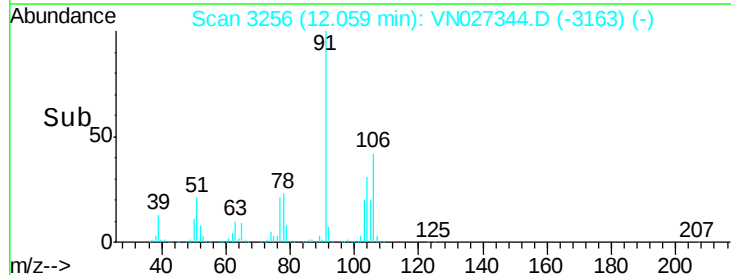
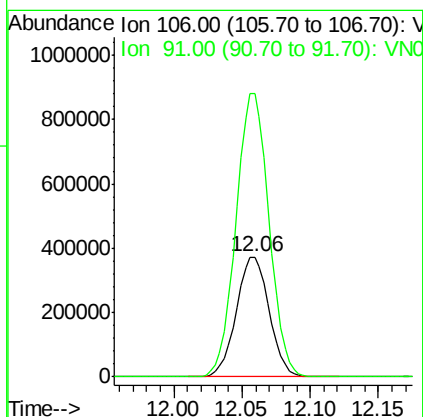
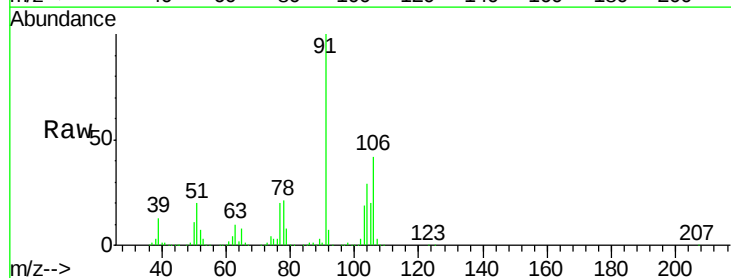
Manual Integrations
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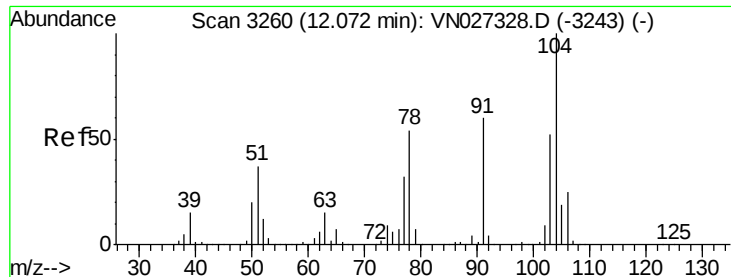
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#70
o-Xylene
Concen: 50.16 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion:106 Resp: 622992
Ion Ratio Lower Upper
106 100
91 236.8 110.7 331.9





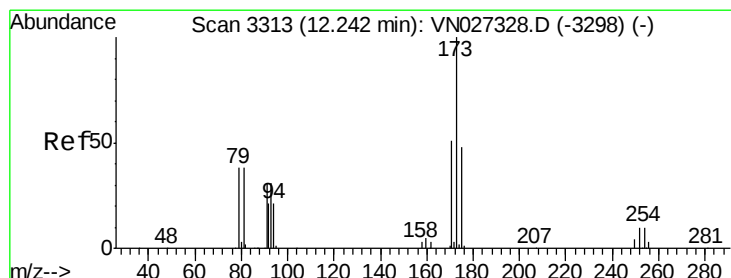
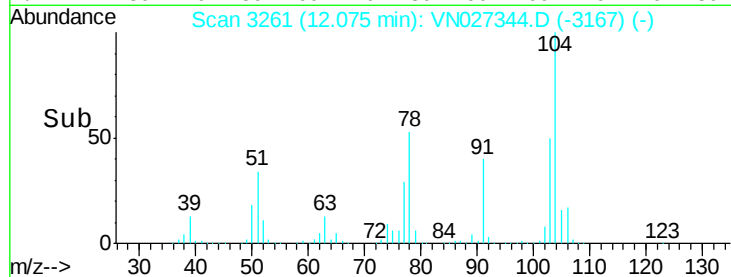
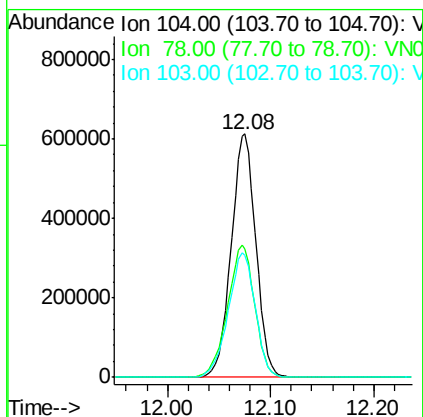
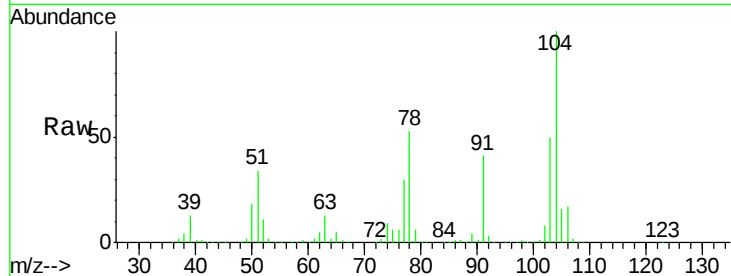
#71
Stvrene
Concen: 51.60 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.8	41.6	62.4
103	56.0	44.2	66.2

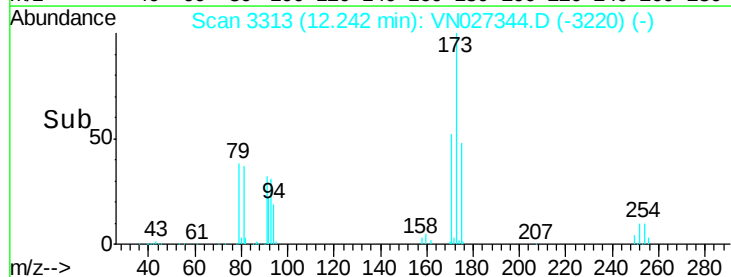
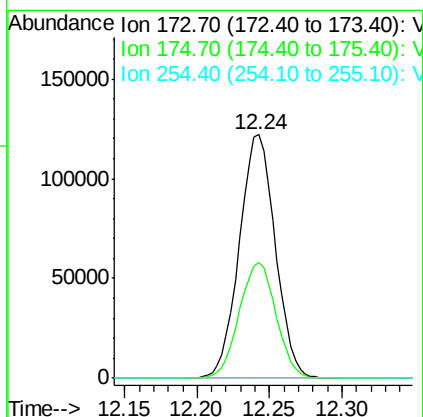
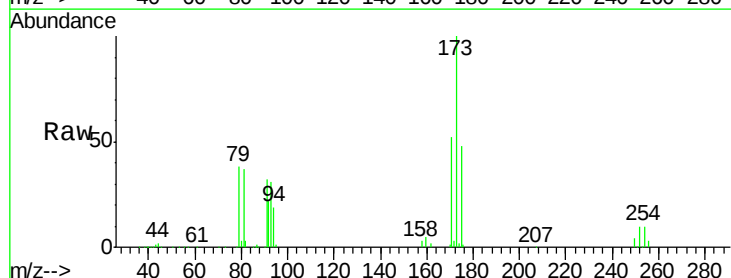
Manual Integrations
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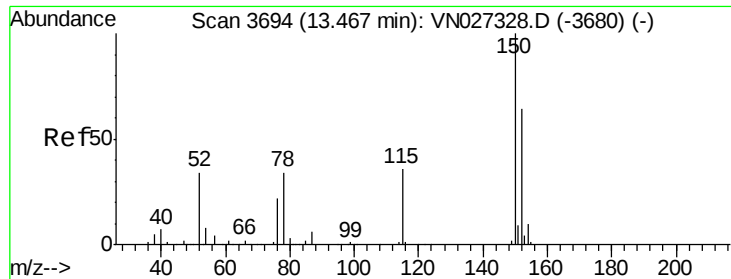
MMDadoda
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#72
Bromoform
Concen: 49.85 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.1	0.1	0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:152 Resp: 342804

Ion Ratio Lower Upper

152 100

115 68.0 30.8 92.3

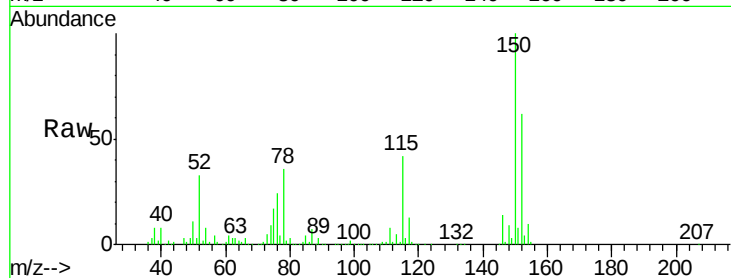
150 174.4 0.0 345.0

Manual Integrations

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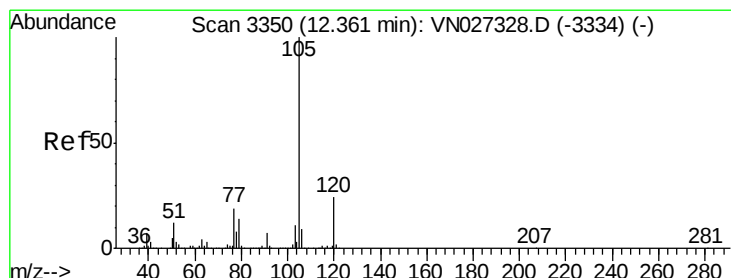
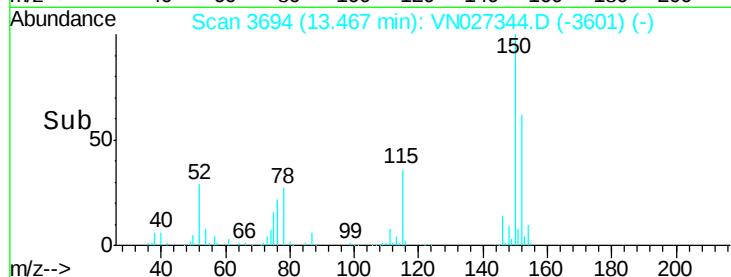
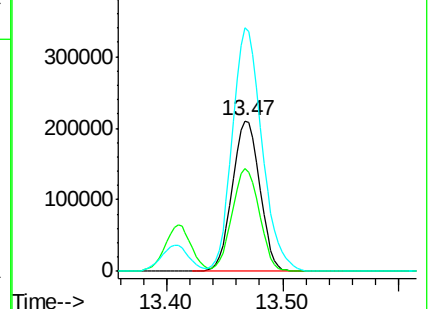
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 49.43 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027344.D

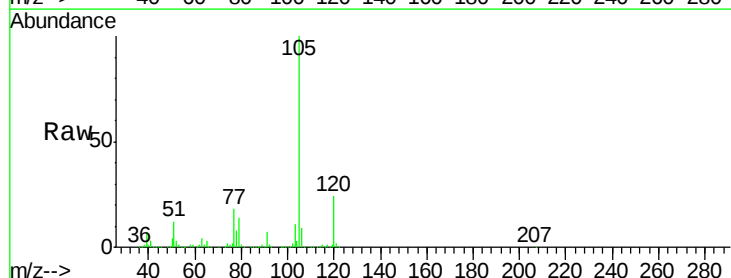
Acq: 21 Sep 2015 21:54

Tgt Ion:105 Resp: 1697647

Ion Ratio Lower Upper

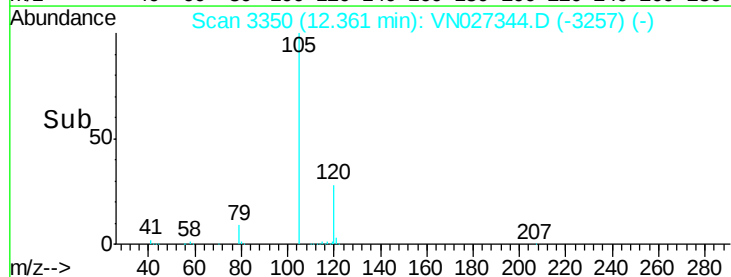
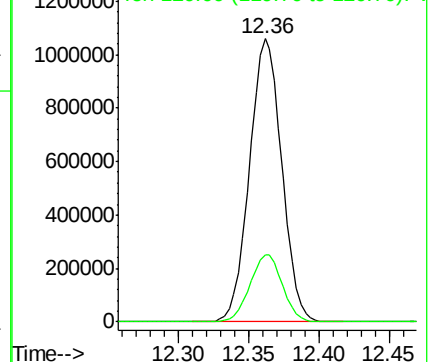
105 100

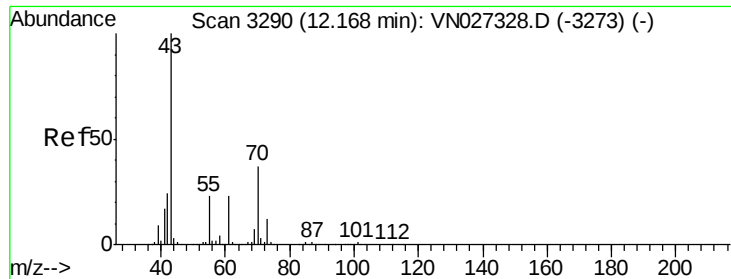
120 23.8 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amyl acetate

Concen: 52.68 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

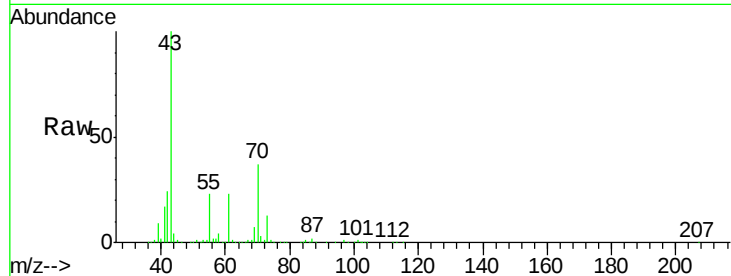
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	717774
Ion	Ratio	Lower	Upper
43	100		
70	36.7	29.8	44.8
55	22.8	19.4	29.0
61	23.1	18.2	27.2

Manual Integrations
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9/22/2015 2:28:54 PM

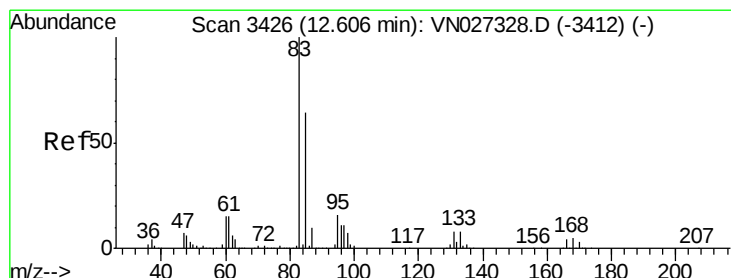
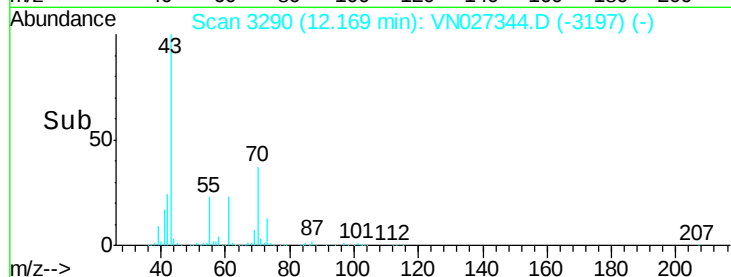
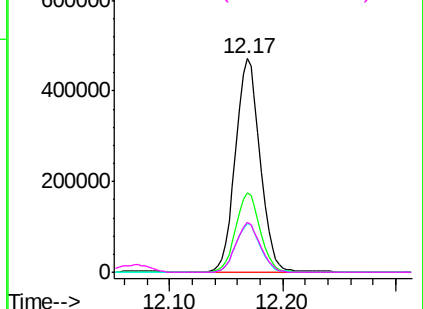


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,1,2,2-Tetrachloroethane

Concen: 48.71 ug/l

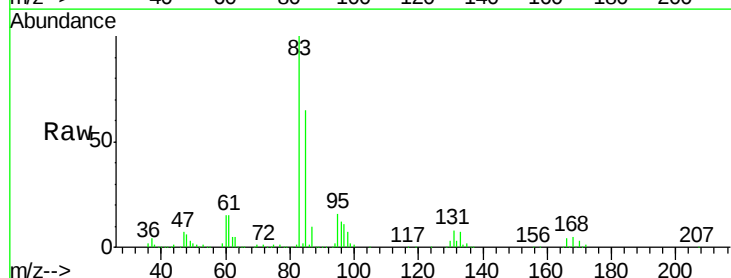
RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

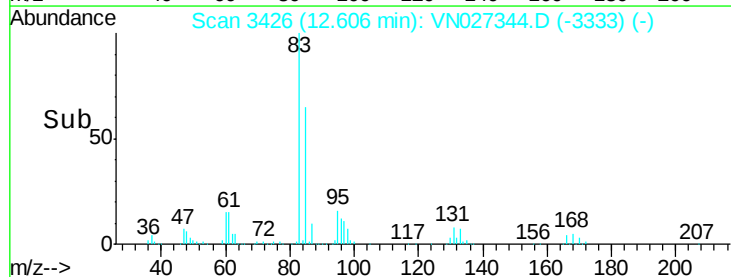
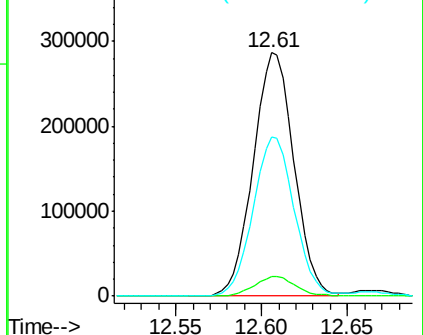
Tgt Ion:	83	Resp:	470835
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.1	12.3
85	65.7	31.9	95.7

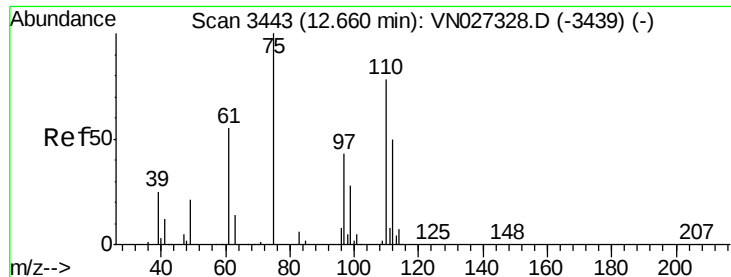


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





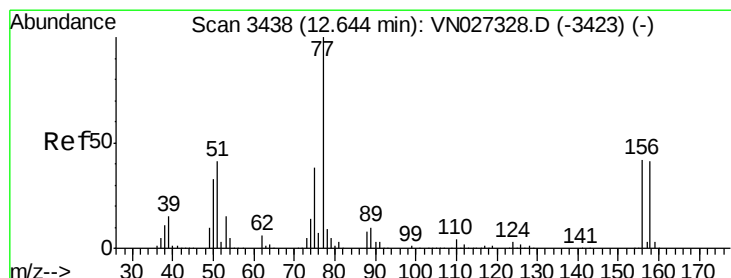
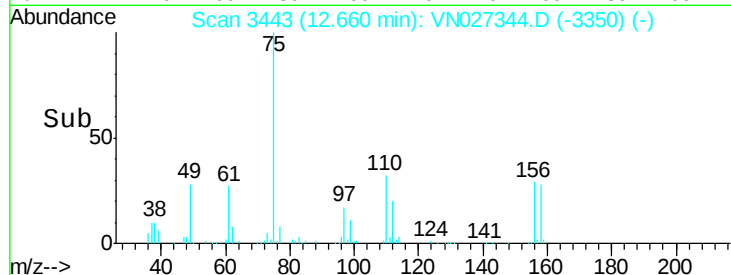
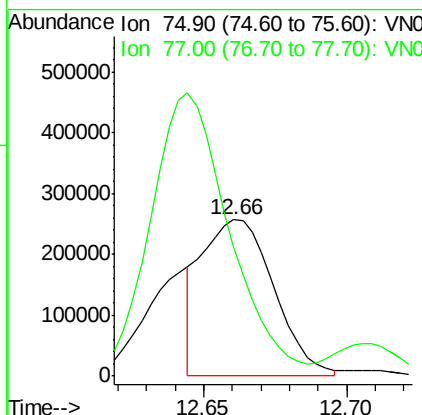
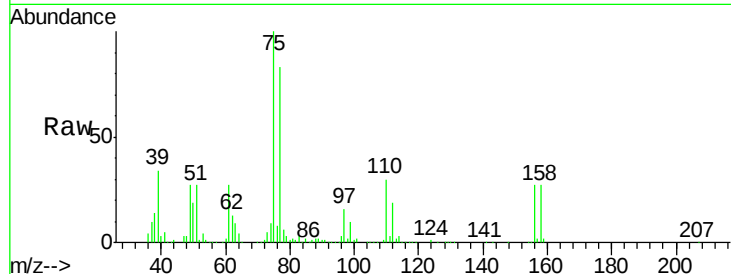
#77
 1,2,3-Trichloropropane
 Concen: 52.02 ug/l m
 RT: 12.66 min Scan# 3443
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 447714
 Ion Ratio Lower Upper
 75 100
 77 198.9 103.1 309.3

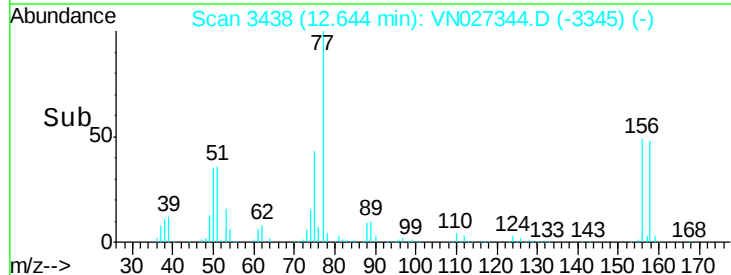
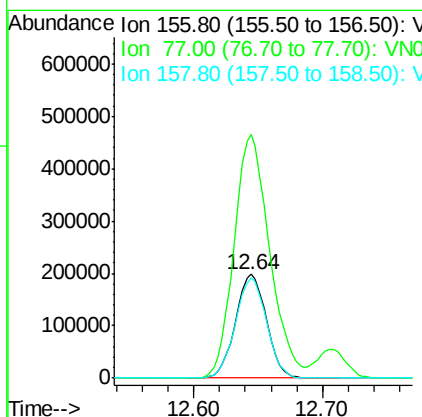
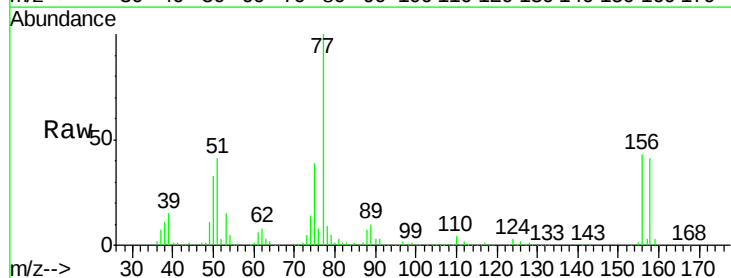
Manual Integrations
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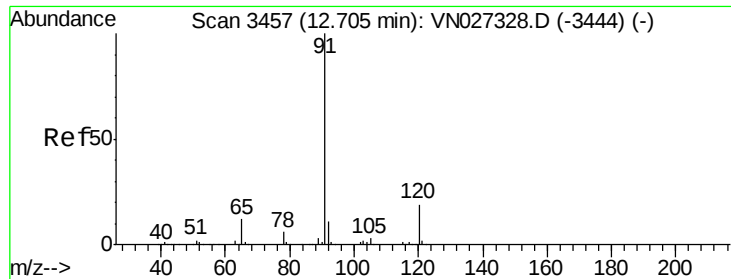
MMDadoda
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#78
 Bromobenzene
 Concen: 49.09 ug/l
 RT: 12.64 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion: 156 Resp: 329891
 Ion Ratio Lower Upper
 156 100
 77 269.9 127.3 381.9
 158 97.4 48.0 144.2





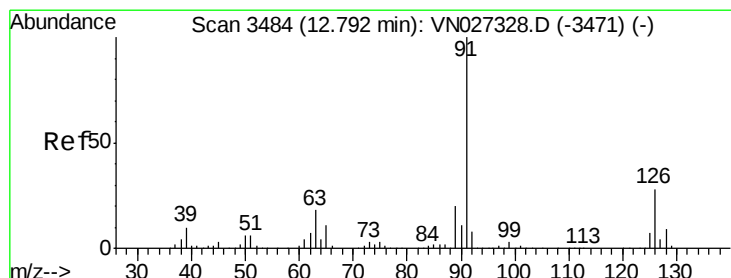
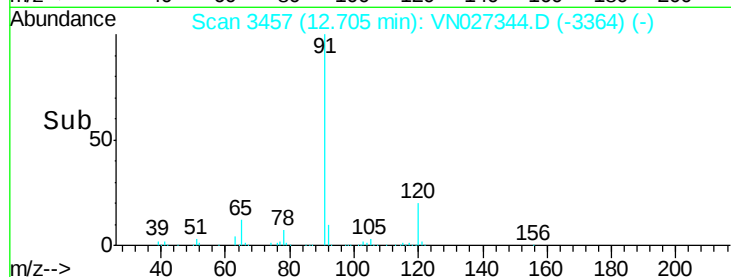
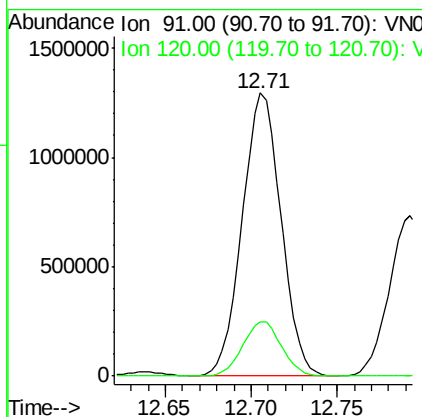
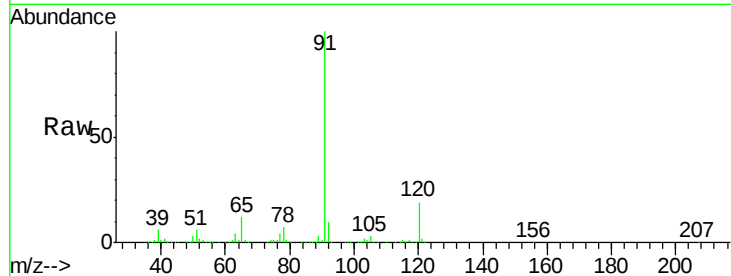
#79
n-propylbenzene
Concen: 49.44 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2024921
Ion Ratio Lower Upper
91 100
120 19.5 10.3 30.8

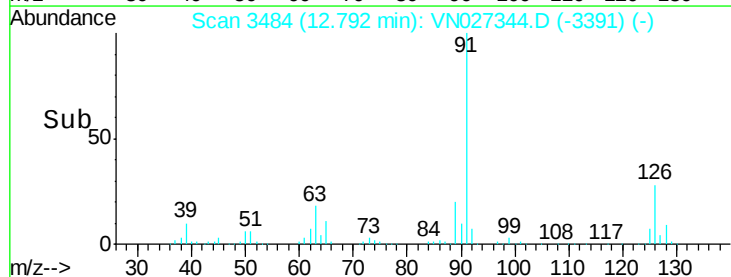
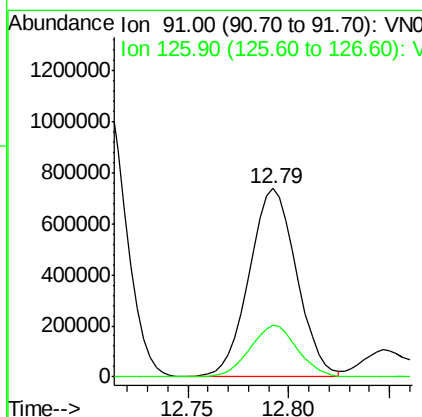
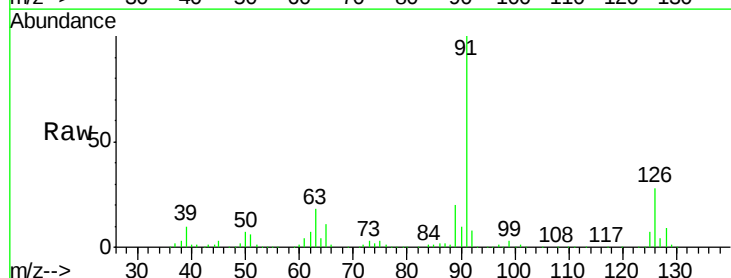
Manual Integrations
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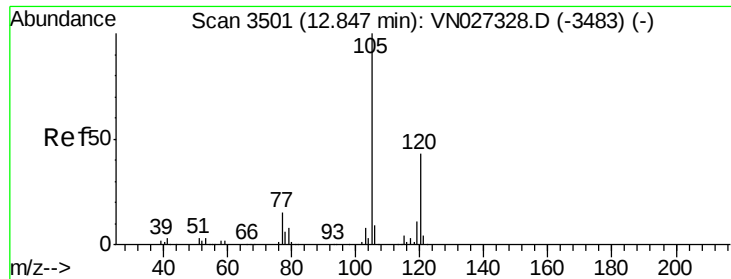
MMDadoda
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#80
2-Chlorotoluene
Concen: 48.14 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion: 91 Resp: 1205343
Ion Ratio Lower Upper
91 100
126 27.5 15.2 45.5





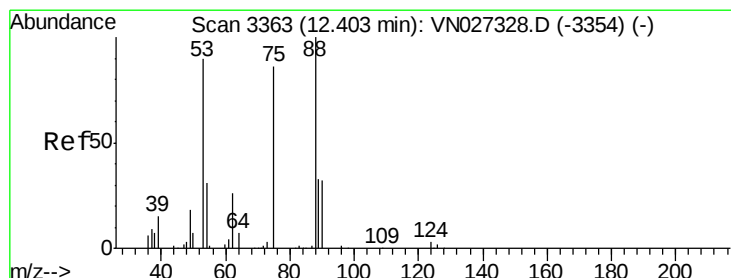
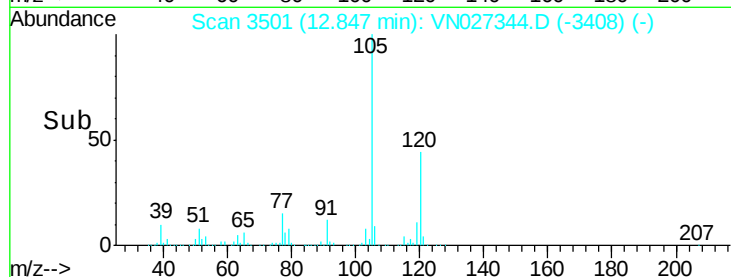
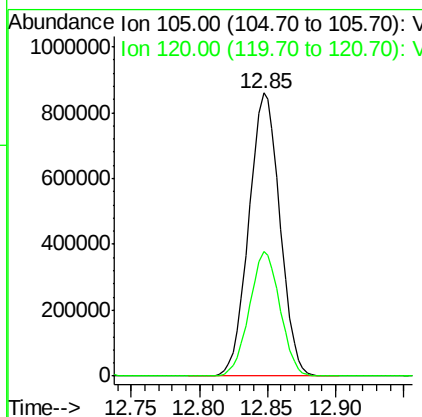
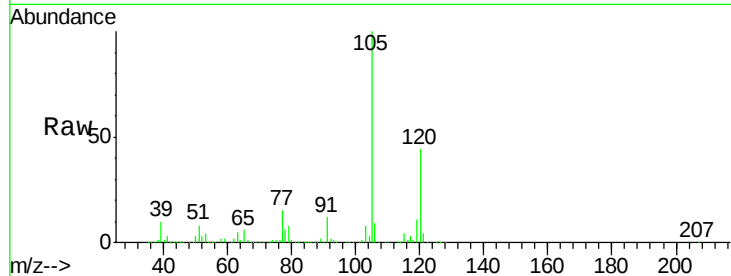
#81
 1,3,5-Trimethylbenzene
 Concen: 48.82 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1355353
 Ion Ratio Lower Upper
 105 100
 120 43.3 23.4 70.0

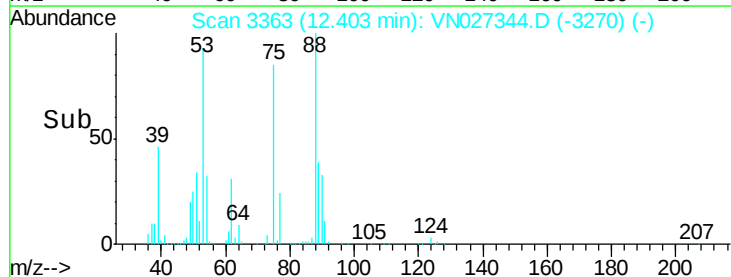
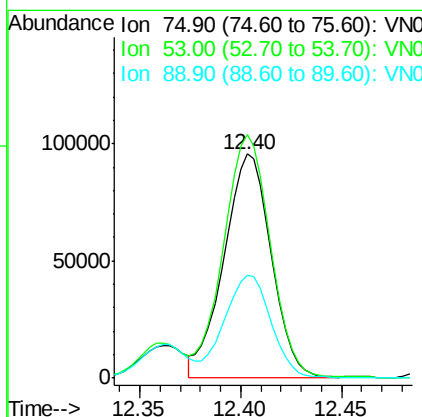
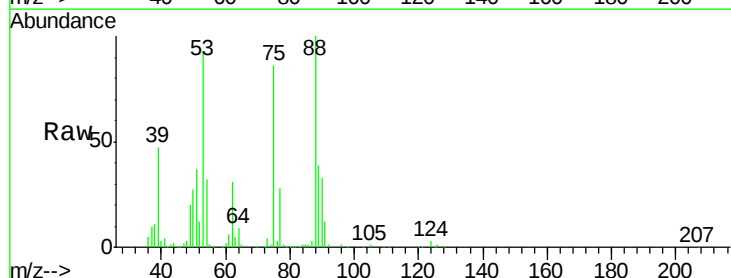
Manual Integrations
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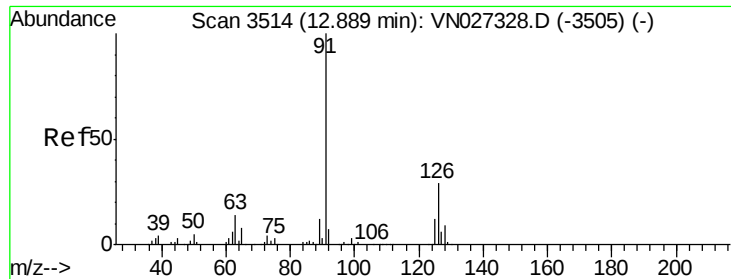
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 46.43 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion: 75 Resp: 155848
 Ion Ratio Lower Upper
 75 100
 53 107.4 92.9 139.3
 89 45.9 34.2 51.4





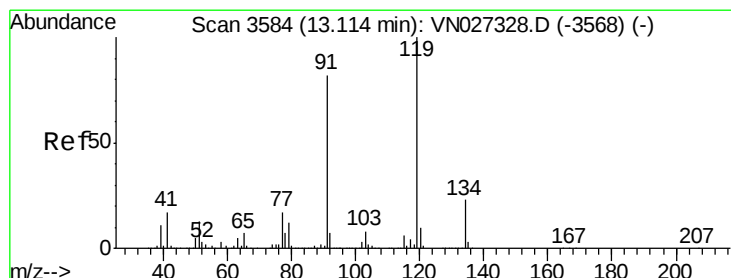
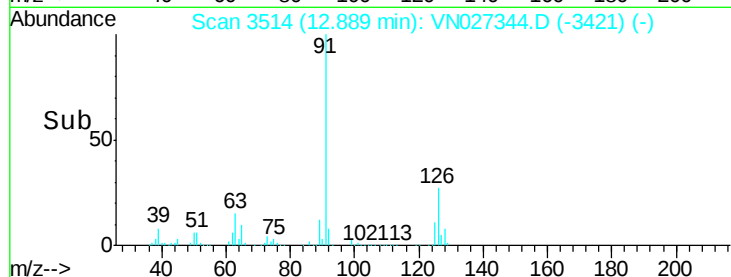
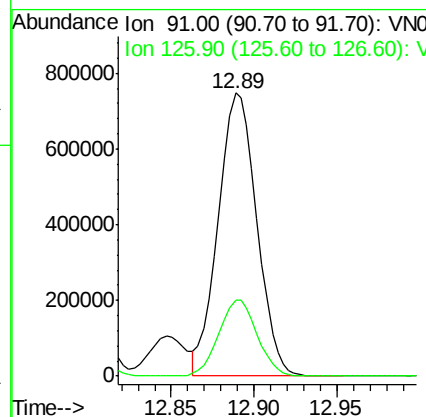
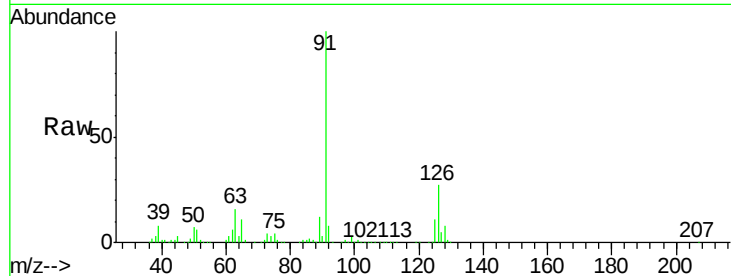
#83
4-Chlorotoluene
Concen: 49.33 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1205443
Ion Ratio Lower Upper
91 100
126 26.9 14.9 44.5

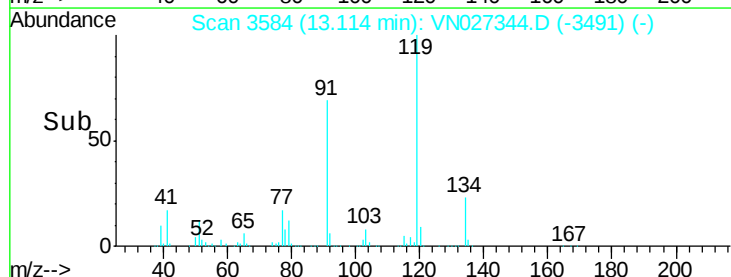
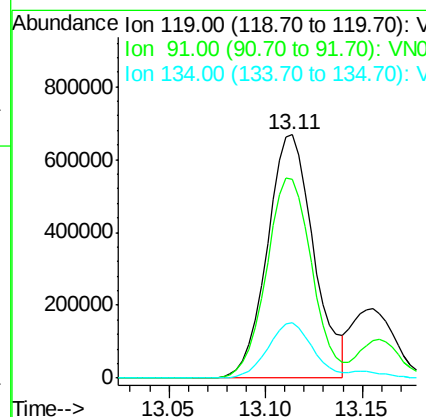
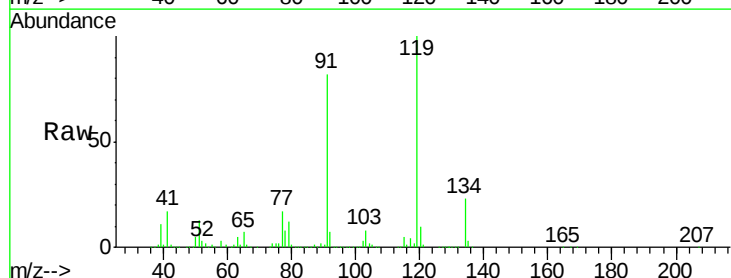
Manual Integrations
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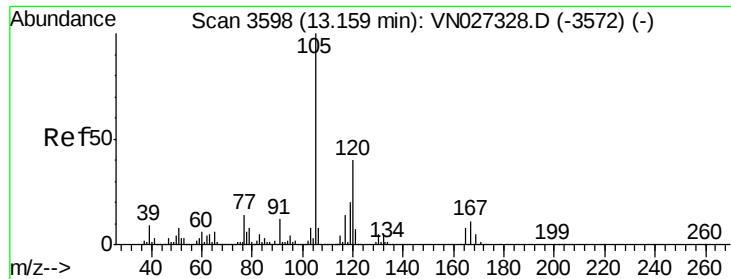
MMDadoda
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#84
tert-Butylbenzene
Concen: 49.77 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion: 119 Resp: 1114010
Ion Ratio Lower Upper
119 100
91 80.5 34.6 103.8
134 22.3 11.4 34.2





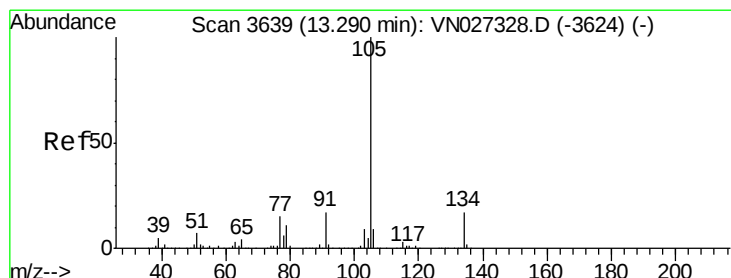
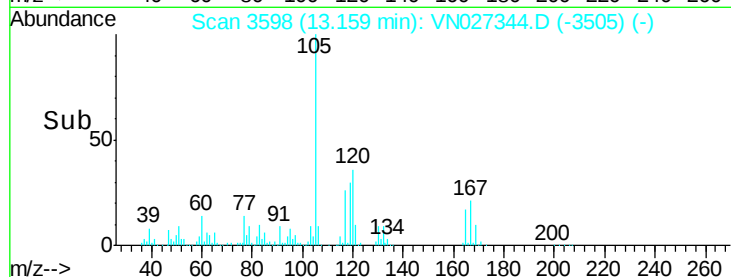
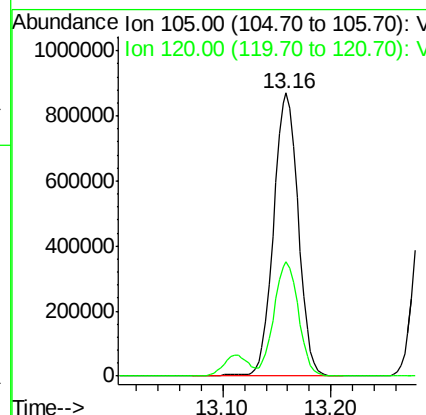
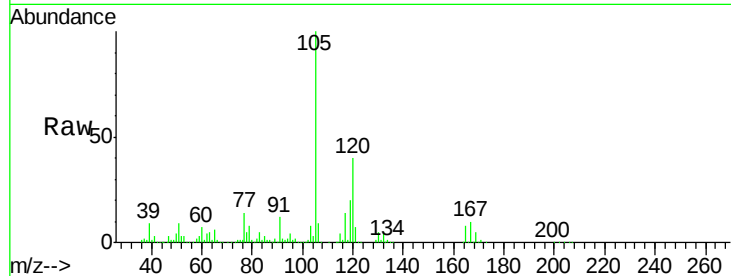
#85
1,2,4-Trimethylbenzene
Concen: 49.99 ug/l
RT: 13.16 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1380166
Ion Ratio Lower Upper
105 100
120 40.1 21.9 65.5

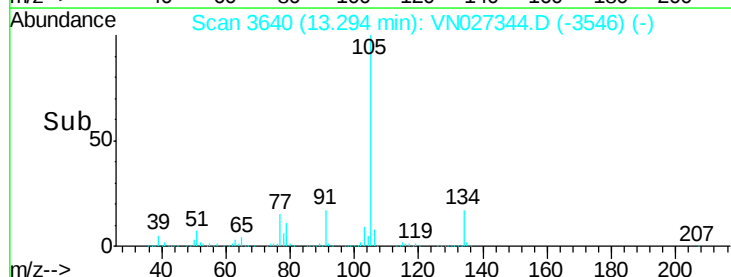
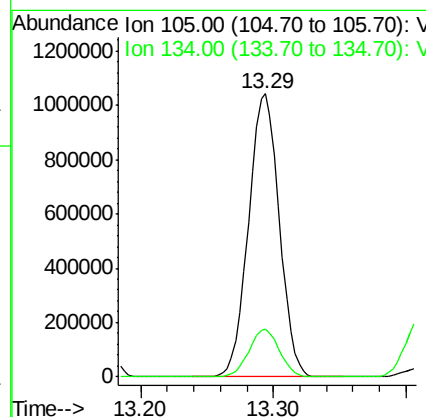
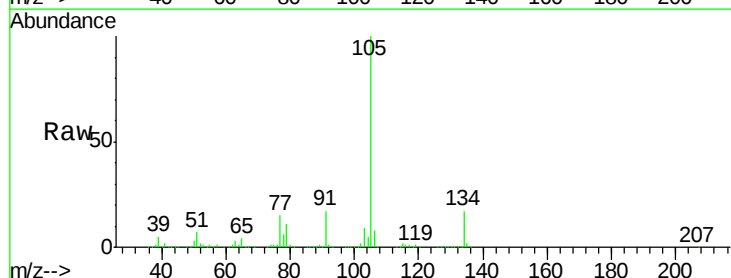
Manual Integrations
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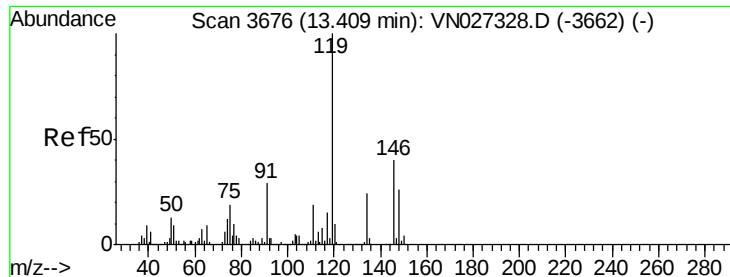
MMDadoda
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#86
sec-Butylbenzene
Concen: 50.04 ug/l
RT: 13.29 min Scan# 3640
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion:105 Resp: 1668475
Ion Ratio Lower Upper
105 100
134 16.8 8.8 26.4





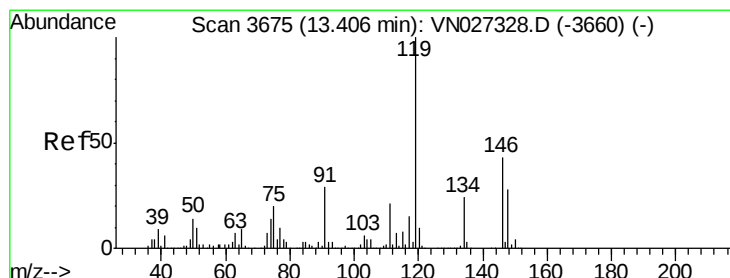
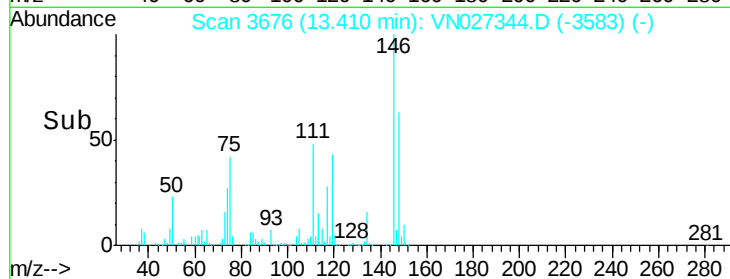
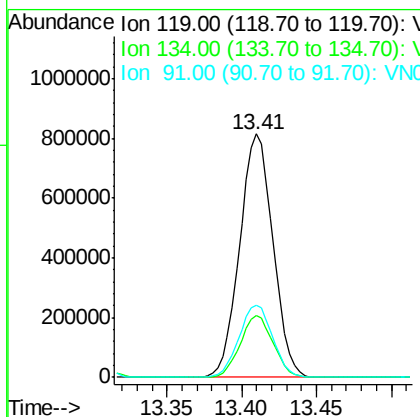
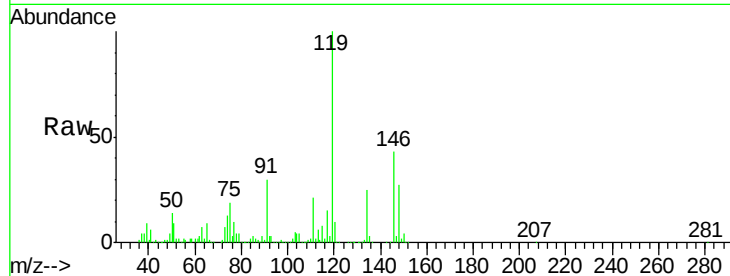
#87
 p-Isopropyltoluene
 Concen: 50.29 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.4	37.0
91	30.1	12.0	36.1

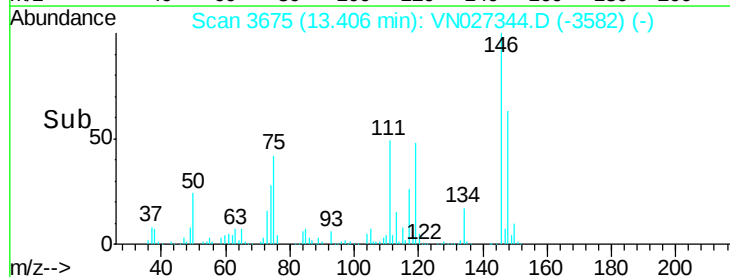
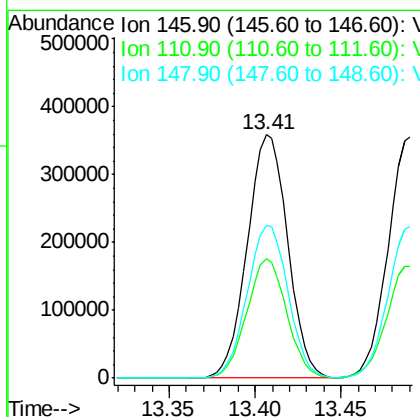
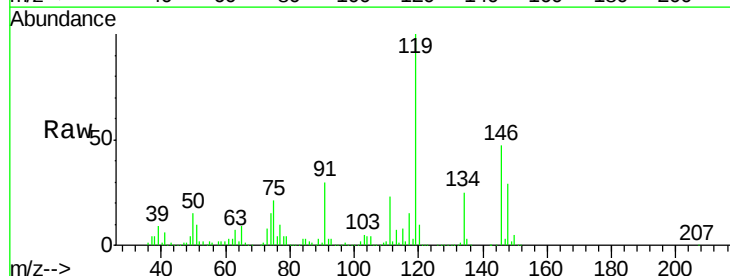
Manual Integrations
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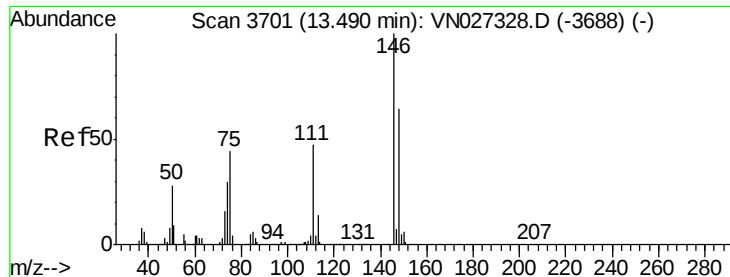
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#88
 1,3-Dichlorobenzene
 Concen: 50.46 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	21.0	63.0
148	63.6	31.9	95.9





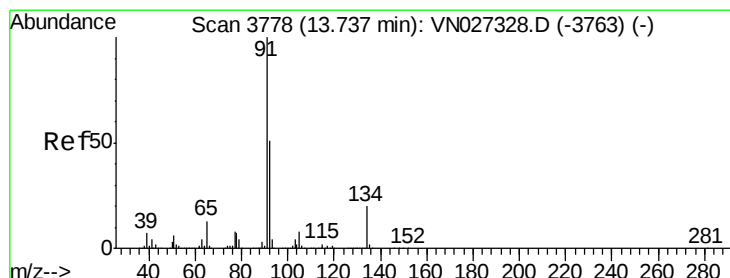
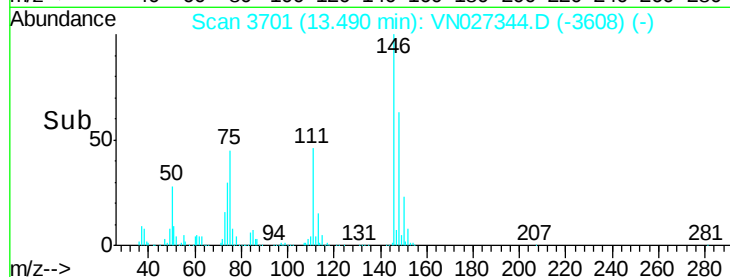
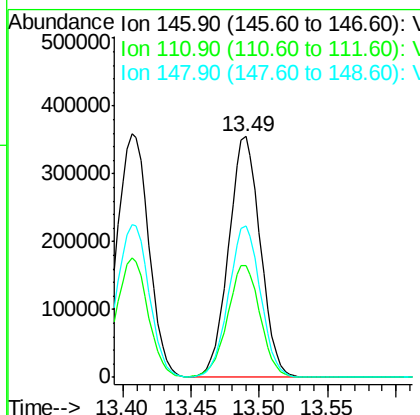
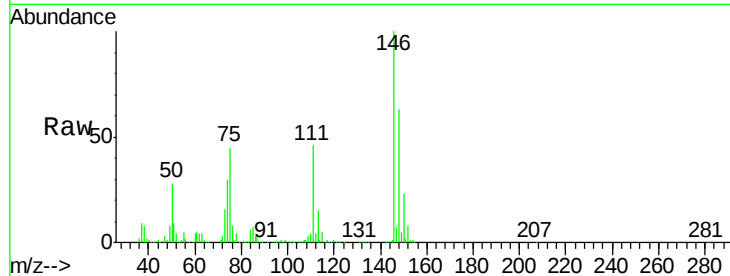
#89
 1,4-Dichlorobenzene
 Concen: 48.73 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	19.9	59.6
148	63.5	31.7	95.1

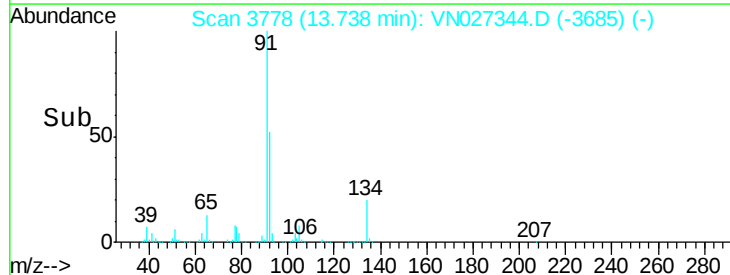
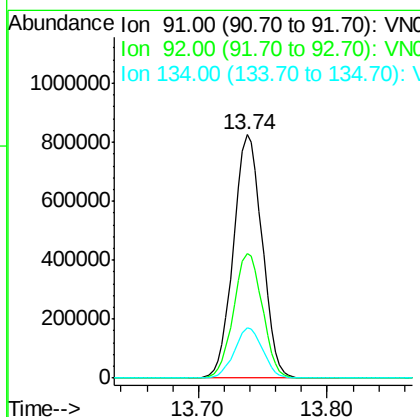
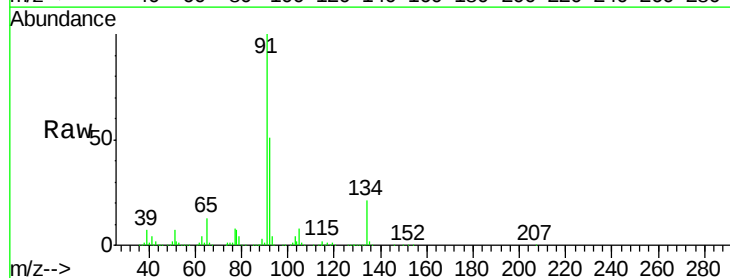
Manual Integrations
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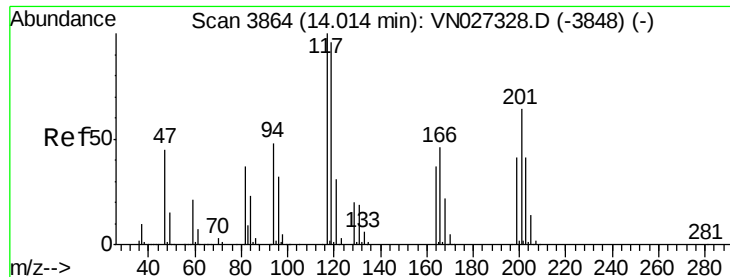
MMDadoda
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#90
 n-Butylbenzene
 Concen: 51.10 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	20.5	11.1	33.1





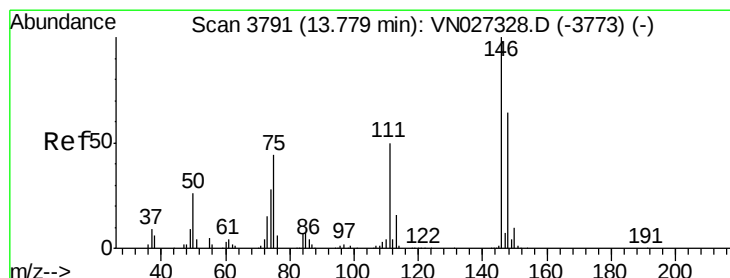
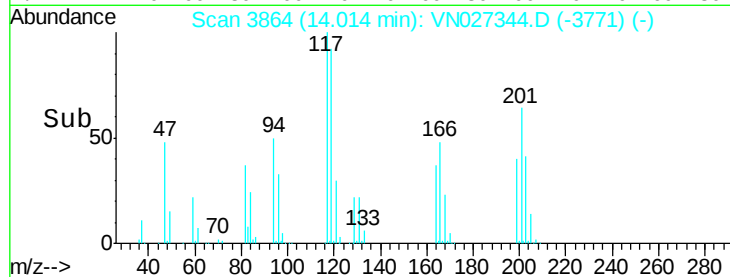
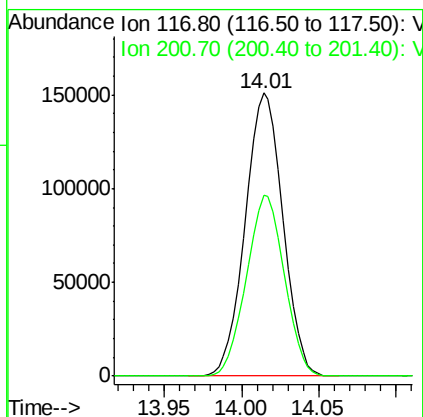
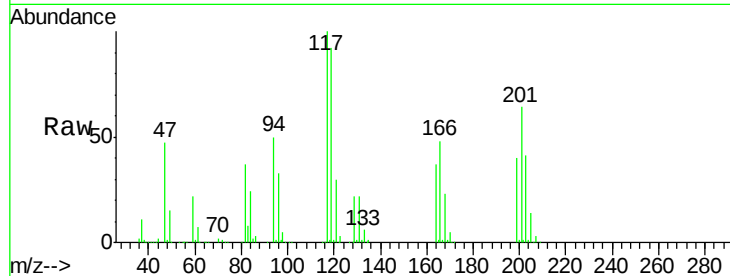
#91
Hexachloroethane
Concen: 47.92 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 256156
Ion Ratio Lower Upper
117 100
201 64.3 34.9 104.7

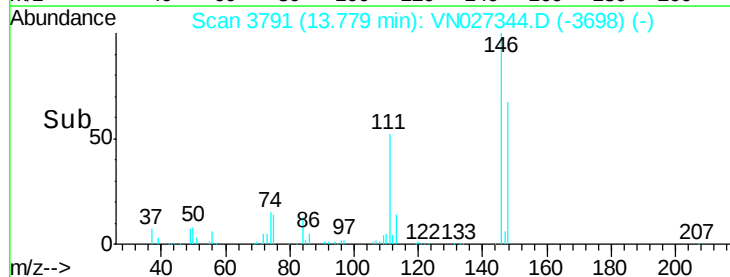
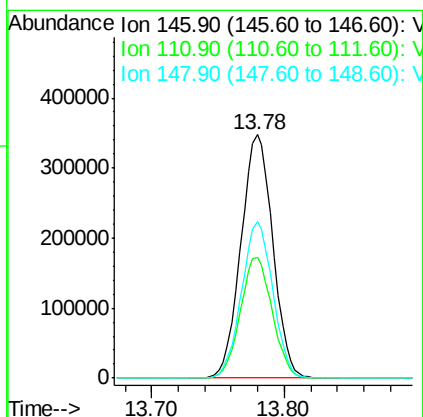
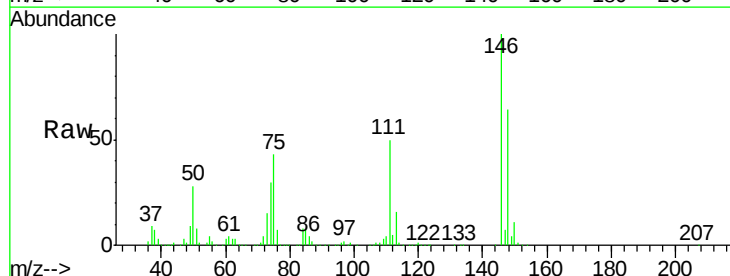
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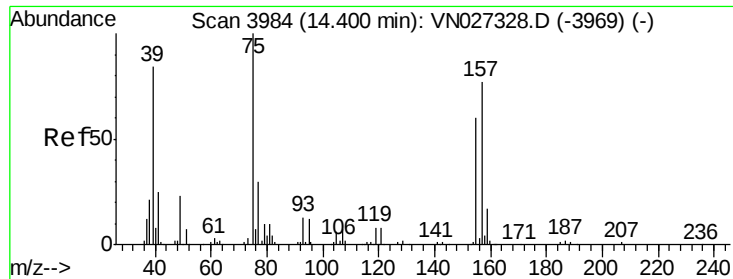
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#92
1,2-Dichlorobenzene
Concen: 50.12 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027344.D
Acq: 21 Sep 2015 21:54

Tgt Ion:146 Resp: 580611
Ion Ratio Lower Upper
146 100
111 49.7 22.1 66.3
148 63.1 32.0 96.0





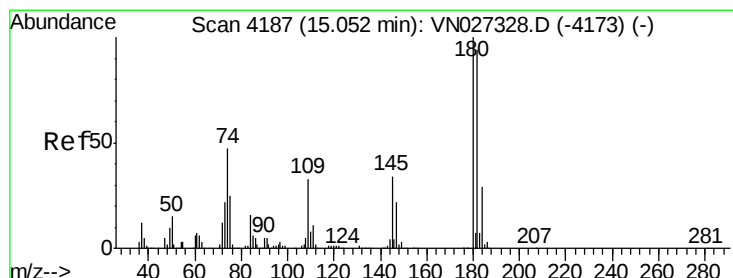
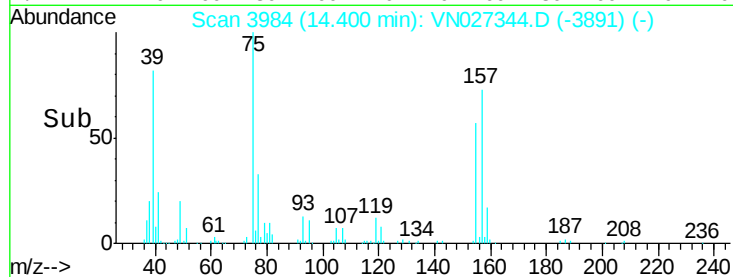
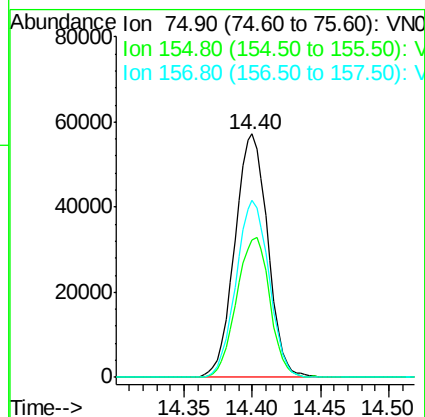
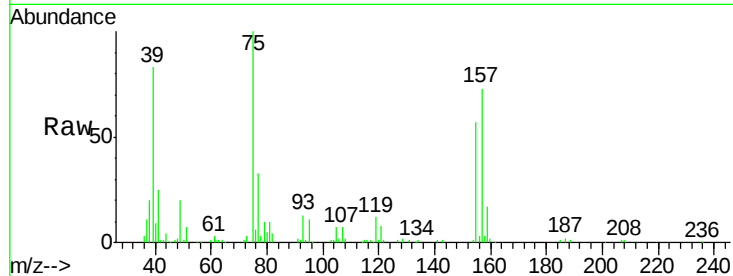
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 50.60 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
155	58.0	35.6	106.9
157	72.6	44.6	133.8

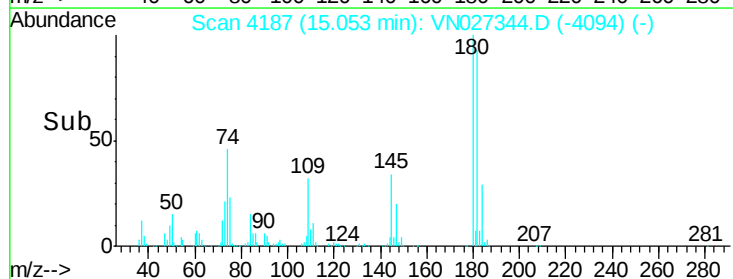
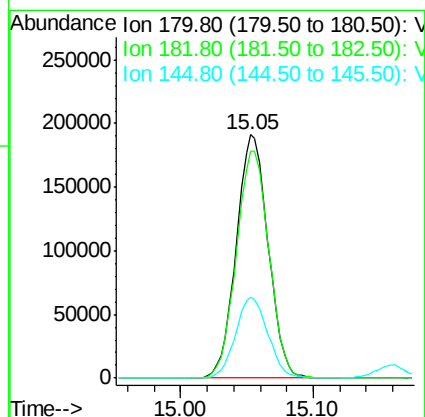
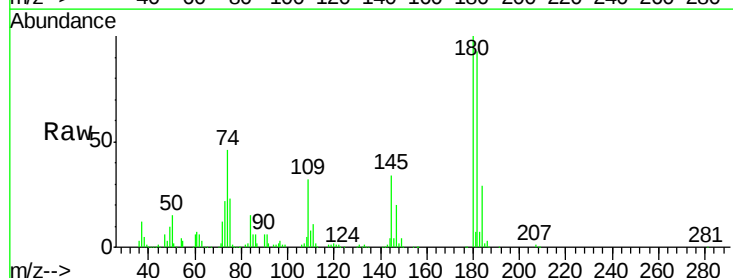
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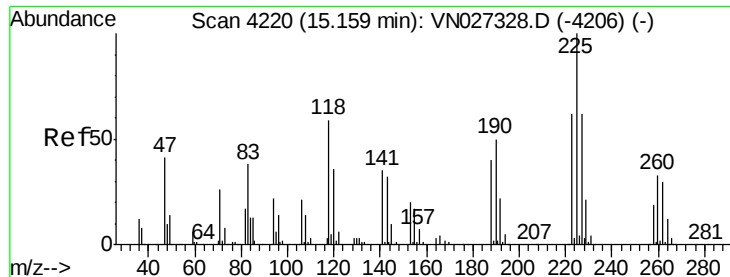
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#94
 1,2,4-Trichlorobenzene
 Concen: 53.25 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	33.7	15.1	45.3





#95

Hexachlorobutadiene

Concen: 47.77 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027344.D

Acq: 21 Sep 2015 21:54

Instrument :

MSVOA_N

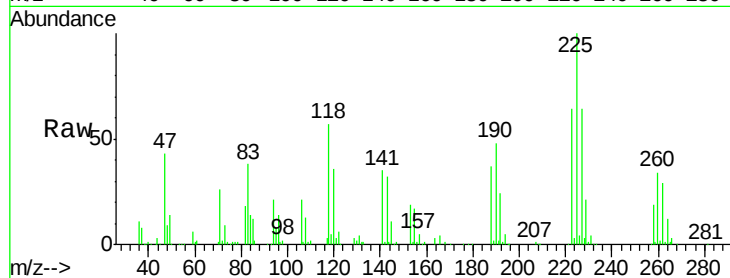
ClientSampleId :

VSTDCCC050

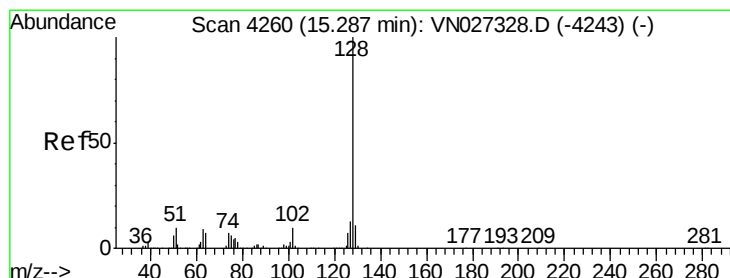
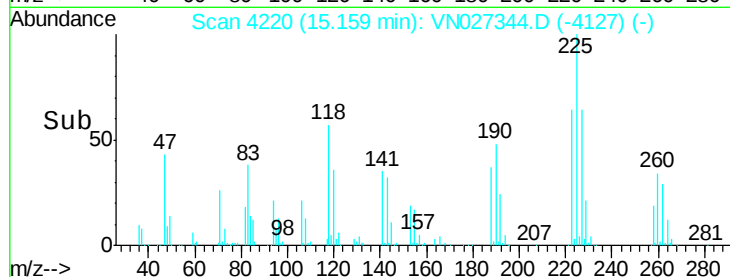
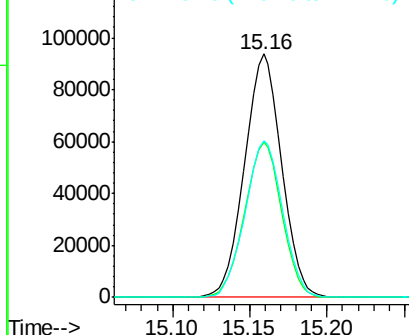
Tot Ion:	225	Resp:	156701
Ion Ratio		Lower	Upper
225	100		
223	63.6	30.8	92.3
227	65.0	31.7	95.1

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 47.89 ug/l

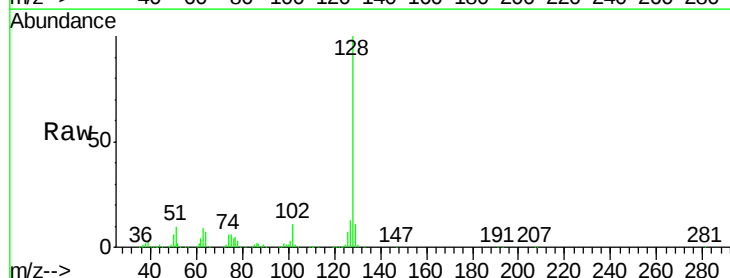
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

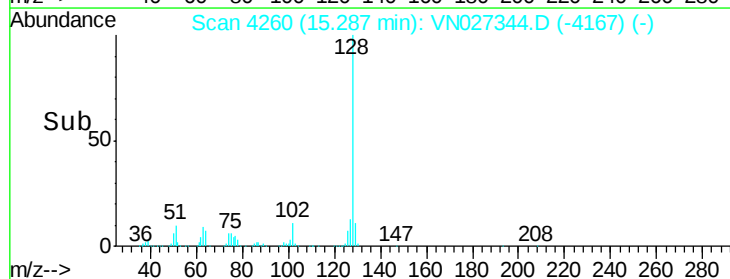
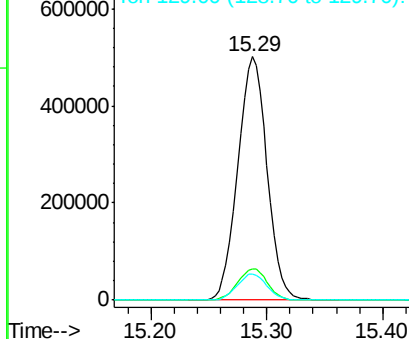
Lab File: VN027344.D

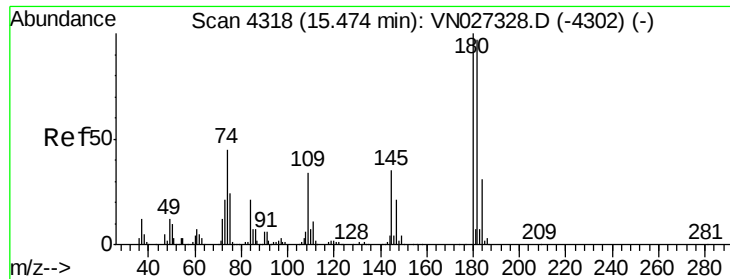
Acq: 21 Sep 2015 21:54

Tgt Ion:	128	Resp:	875173
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





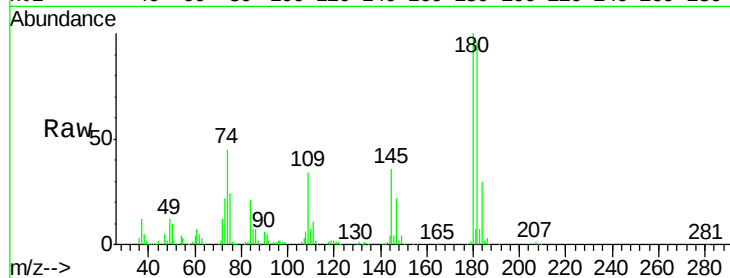
#97
 1,2,3-Trichlorobenzene
 Concen: 52.72 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027344.D
 Acq: 21 Sep 2015 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	314445		
182	93.7		48.8	146.4
145	35.1		16.6	49.8

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

