

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027342.D
 Acq On : 21 Sep 2015 20:31
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:48 PM

Quant Time: Sep 22 03:36:29 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	559411	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1056023	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	902793	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	351572	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	534412	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
36) Dibromofluoromethane	7.68	113	336341	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
51) Toluene-d8	10.19	98	1297667	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
63) 4-Bromofluorobenzene	12.52	95	463706	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	270815	46.64	ug/l	100
3) Chlorodifluoromethane	1.81	51	344178	46.81	ug/l	93
4) Chloromethane	2.01	50	303450	45.62	ug/l	99
5) Vinyl Chloride	2.14	62	352724	47.53	ug/l	99
6) Bromomethane	2.54	94	150229	49.71	ug/l	97
7) Chloroethane	2.69	64	226313	47.97	ug/l	100
8) Trichlorofluoromethane	3.02	101	525619	48.77	ug/l	97
9) Diethyl Ether	3.42	74	236555	49.39	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	329940	48.28	ug/l	96
11) Methyl Iodide	3.99	142	265458	50.06	ug/l	92
12) Tert butyl alcohol	4.80	59	217332	248.78	ug/l	97
13) 1,1-Dichloroethene	3.77	96	311428	48.75	ug/l	97
14) Acrolein	3.62	56	259440	229.06	ug/l	99
15) Allyl chloride	4.37	41	597170	47.93	ug/l #	81
16) Acrylonitrile	5.02	53	815174	256.98	ug/l	98
17) Acetone	3.82	43	691122	231.98	ug/l	97
18) Carbon Disulfide	4.11	76	887537	46.40	ug/l	99
19) Methyl Acetate	4.36	43	984465	53.27	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1262064	49.49	ug/l	95
21) Methylene Chloride	4.60	84	383257	48.32	ug/l	97
22) trans-1,2-Dichloroethene	5.13	96	333256	47.45	ug/l	99
23) Diisopropyl ether	6.04	45	1332567	49.18	ug/l #	89
24) Vinyl Acetate	5.97	43	2250840	247.58	ug/l	97
25) 1,1-Dichloroethane	5.93	63	764930	48.44	ug/l	100
26) 2-Butanone	6.91	43	1016543	260.55	ug/l	95
27) 2,2-Dichloropropane	6.92	77	665494	48.92	ug/l	93
28) cis-1,2-Dichloroethene	6.92	96	404075	48.69	ug/l	94
29) Bromochloromethane	7.29	49	303555	49.00	ug/l	98
30) Tetrahydrofuran	7.31	42	627483	253.72	ug/l #	88
31) Chloroform	7.46	83	740626	49.94	ug/l	98
32) Cyclohexane	7.77	56	688502	48.96	ug/l	92
33) 1,1,1-Trichloroethane	7.67	97	635980	48.40	ug/l	97
37) 1,1-Dichloropropene	7.89	75	542446	47.66	ug/l	98
38) Ethyl Acetate	7.02	43	453010	51.55	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	514556	48.04	ug/l	98
40) Methylcyclohexane	9.19	83	645992	47.79	ug/l	97
41) Benzene	8.14	78	1600059	48.44	ug/l	100
42) Methacrylonitrile	7.24	41	257197	49.58	ug/l #	88
43) 1,2-Dichloroethane	8.22	62	656040	48.72	ug/l	95
44) Isopropyl Acetate	8.25	43	836319	49.79	ug/l	97
45) Trichloroethene	8.93	130	316624	47.85	ug/l	89
46) 1,2-Dichloropropane	9.22	63	451772	48.86	ug/l	100
47) Dibromomethane	9.31	93	270329	48.72	ug/l	92
48) Bromodichloromethane	9.49	83	570443	48.47	ug/l	100
49) Methyl methacrylate	9.29	41	410933	51.98	ug/l #	87
50) 1,4-Dioxane	9.30	88	91940	963.58	ug/l	95
52) 4-Methyl-2-Pentanone	10.07	43	2198360	254.46	ug/l	99
53) Toluene	10.26	92	936627	47.94	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	616876	49.11	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	673998	48.84	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	358437	49.19	ug/l	98
57) Ethyl methacrylate	10.52	69	581089	50.25	ug/l #	89
58) 1,3-Dichloropropane	10.80	76	659915	49.13	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1305373	254.70	ug/l	98
60) 2-Hexanone	10.84	43	1475872	251.36	ug/l	100
61) Dibromochloromethane	11.00	129	355700	49.84	ug/l	99
62) 1,2-Dibromoethane	11.11	107	340189	49.09	ug/l	100
65) Tetrachloroethene	10.74	164	253425	47.16	ug/l	94
66) Chlorobenzene	11.54	112	934930	48.30	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	321562	49.51	ug/l	98
68) Ethyl Benzene	11.62	91	1781319	48.79	ug/l	99
69) m/p-Xylenes	11.73	106	1230792	97.24	ug/l	89
70) o-Xylene	12.06	106	625148	48.88	ug/l	92
71) Styrene	12.07	104	1020580	50.12	ug/l	95
72) Bromoform	12.24	173	213820	49.07	ug/l #	98
74) Isopropylbenzene	12.36	105	1678103	47.65	ug/l	98
75) N-amyl acetate	12.17	43	715745	51.22	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	474055	47.82	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	449850m	50.96	ug/l	
78) Bromobenzene	12.64	156	329154	47.76	ug/l	94
79) n-propylbenzene	12.71	91	2009690	47.84	ug/l	98
80) 2-Chlorotoluene	12.79	91	1209306	47.09	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	1355089	47.60	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	164181	47.70	ug/l	93
83) 4-Chlorotoluene	12.89	91	1201431	47.94	ug/l	95
84) tert-Butylbenzene	13.11	119	1099672	47.90	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1360685	48.06	ug/l	95
86) sec-Butylbenzene	13.29	105	1649251	48.23	ug/l	99
87) p-Isopropyltoluene	13.41	119	1247932	48.67	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	575441	48.39	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	571572	47.49	ug/l	95
90) n-Butylbenzene	13.74	91	1255806	49.05	ug/l	98
91) Hexachloroethane	14.01	117	256119	46.72	ug/l	91
92) 1,2-Dichlorobenzene	13.78	146	573160	48.24	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	95705	49.26	ug/l	84
94) 1,2,4-Trichlorobenzene	15.05	180	315584	51.40	ug/l	98
95) Hexachlorobutadiene	15.16	225	157924	46.94	ug/l	98
96) Naphthalene	15.29	128	883045	47.18	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	313860	51.31	ug/l	97

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

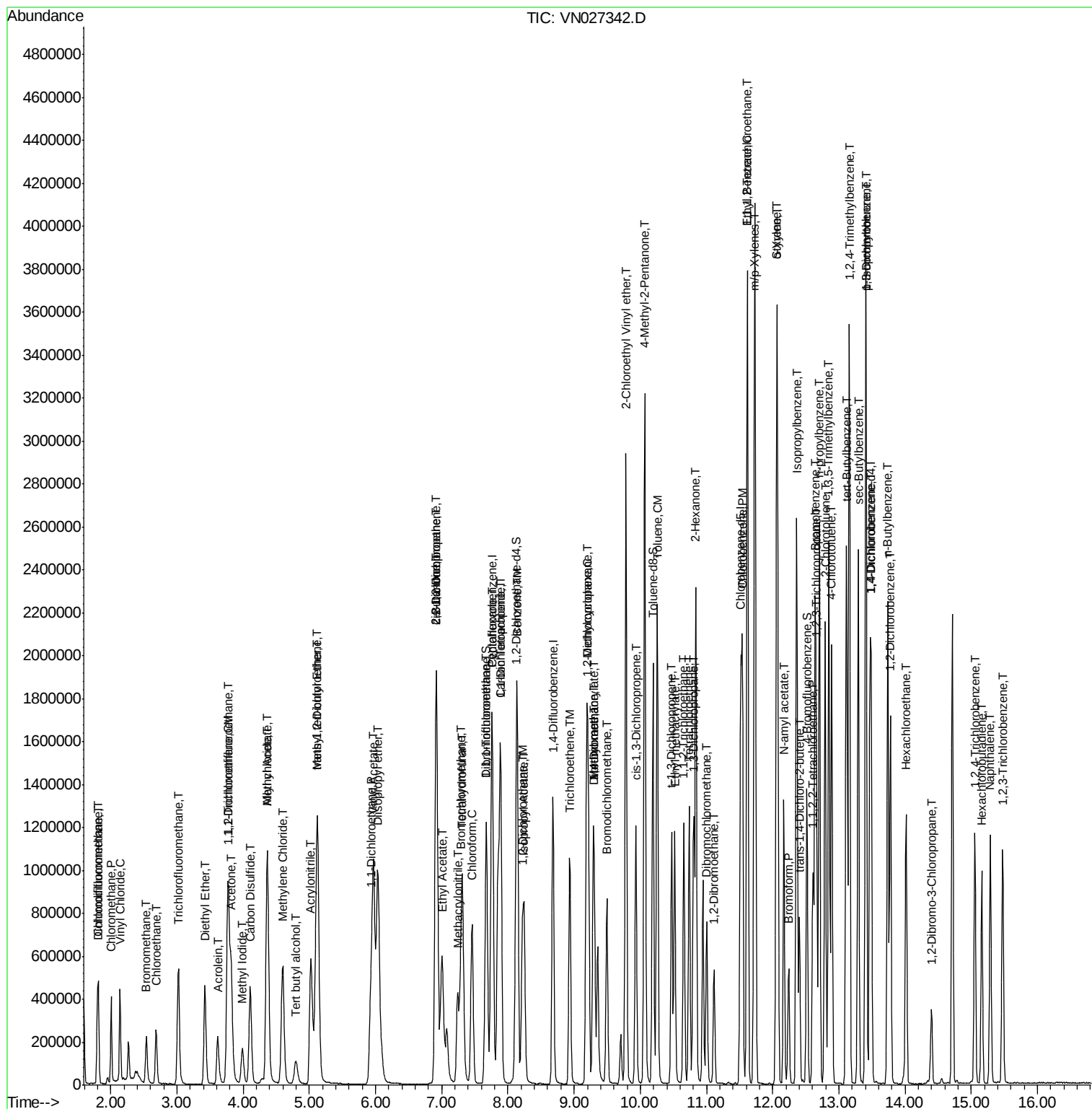
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
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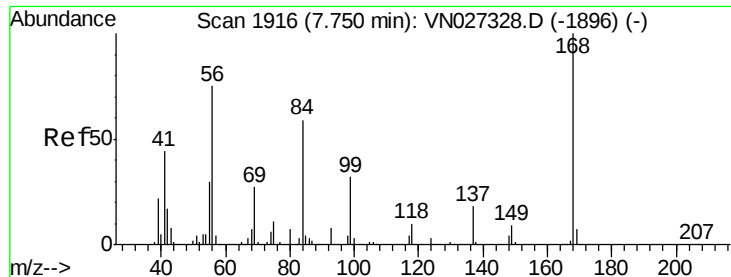
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 559411

Ion Ratio Lower Upper

168 100

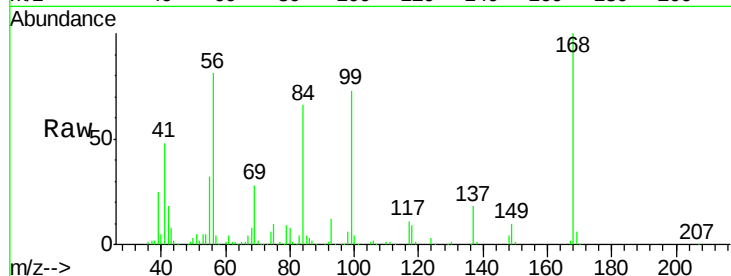
99 72.6 50.4 75.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

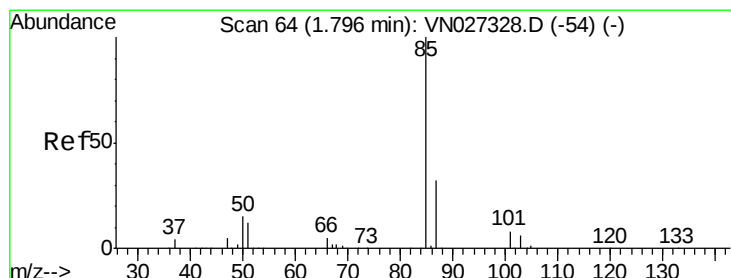
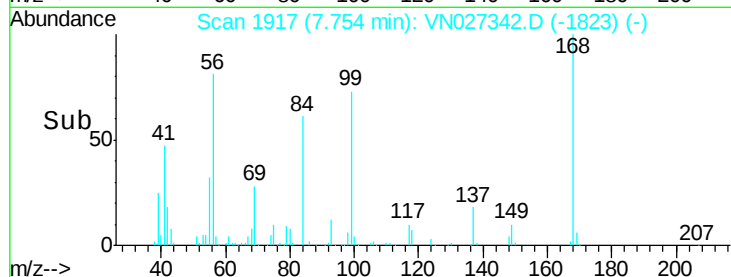
100000

50000

0

7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.64 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027342.D

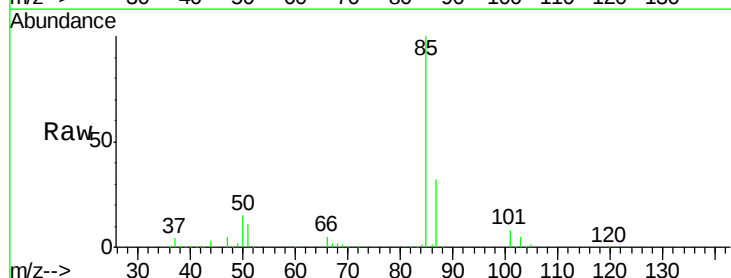
Acq: 21 Sep 2015 20:31

Tgt Ion: 85 Resp: 270815

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

200000

150000

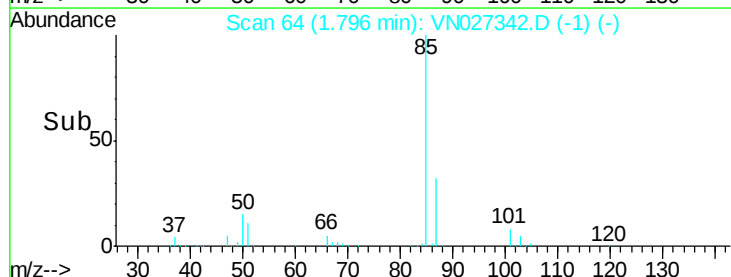
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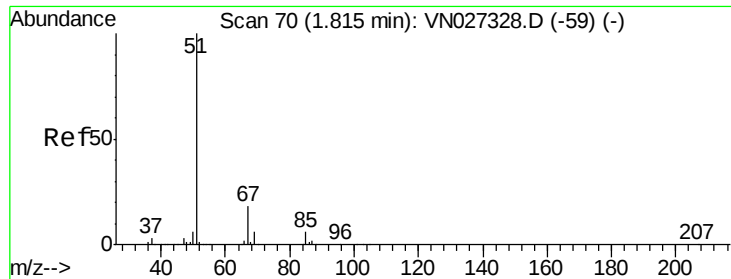
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0

1.75 1.80 1.85

Time-->





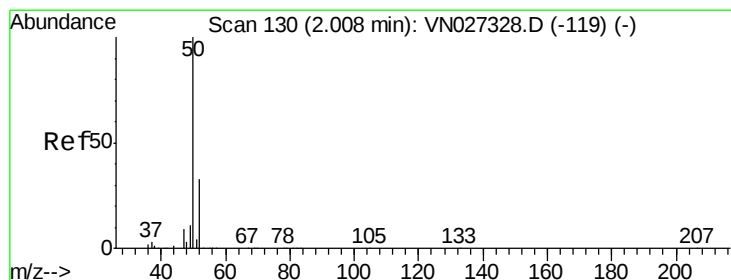
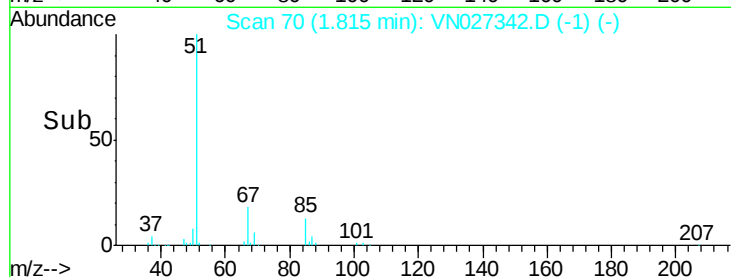
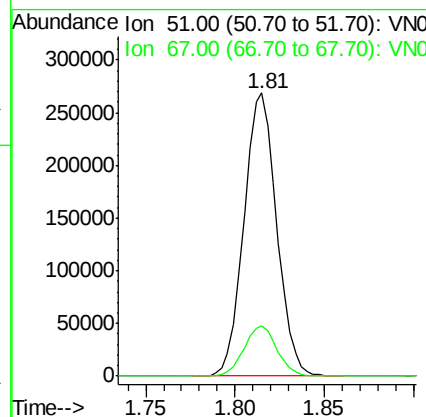
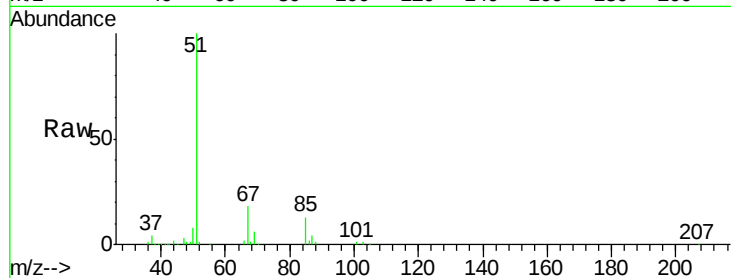
#3
Chlorodifluoromethane
Concen: 46.81 ug/l
RT: 1.81 min Scan# 70
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.0	12.2	18.2

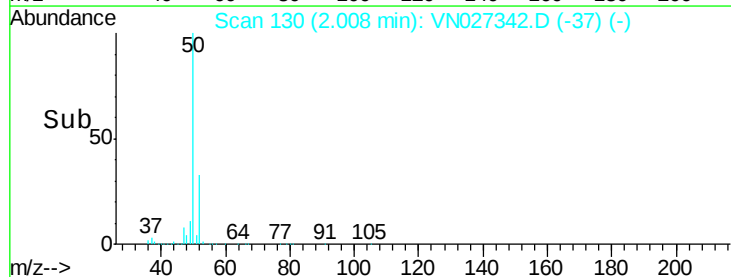
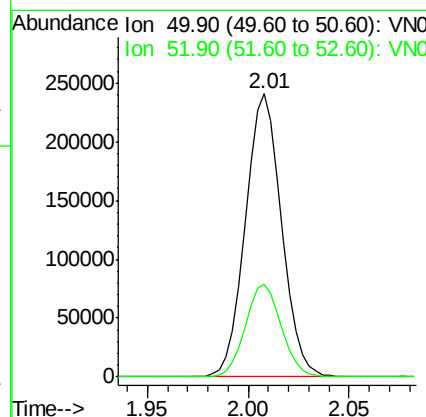
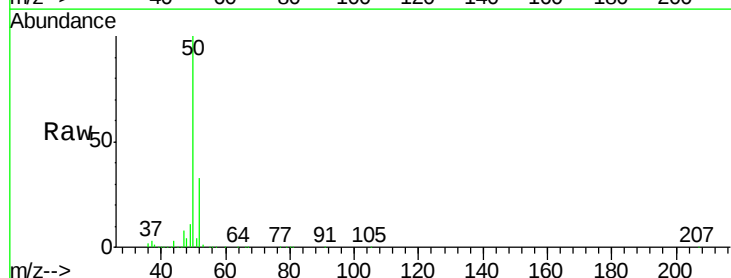
Manual Integrations
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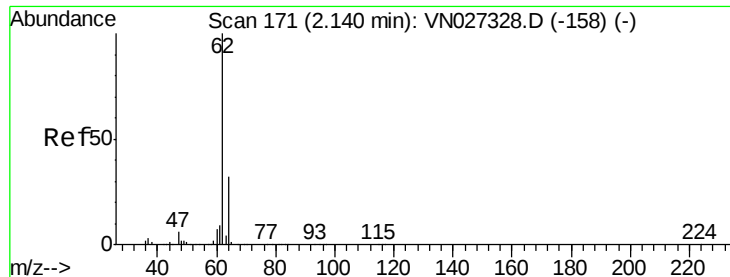
MMDadoda
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#4
Chloromethane
Concen: 45.62 ug/l
RT: 2.01 min Scan# 130
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.9	38.9





#5

Vinyl Chloride

Concen: 47.53 ug/l

RT: 2.14 min Scan# 171

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 62 Resp: 352724

Ion Ratio Lower Upper

62 100

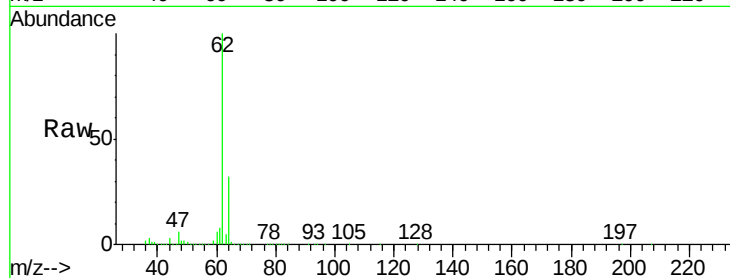
64 32.0 25.9 38.9

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.14

250000

200000

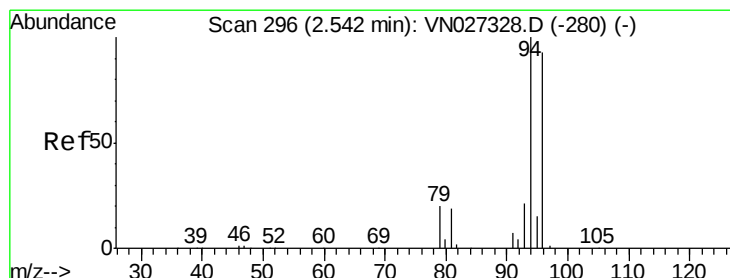
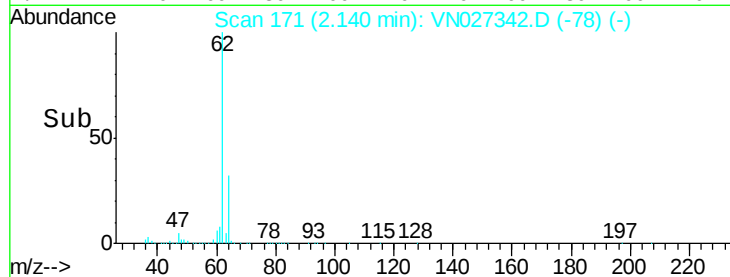
150000

100000

50000

0

Time--> 2.05 2.10 2.15 2.20



#6

Bromomethane

Concen: 49.71 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VN027342.D

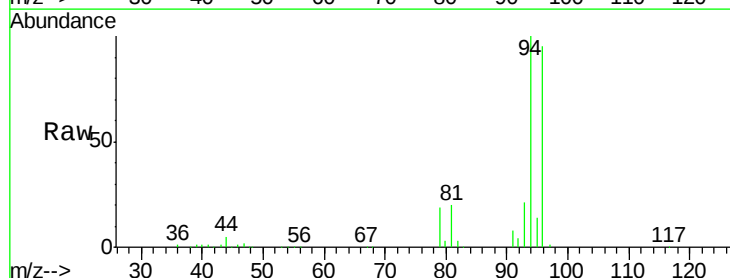
Acq: 21 Sep 2015 20:31

Tgt Ion: 94 Resp: 150229

Ion Ratio Lower Upper

94 100

96 94.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.54

80000

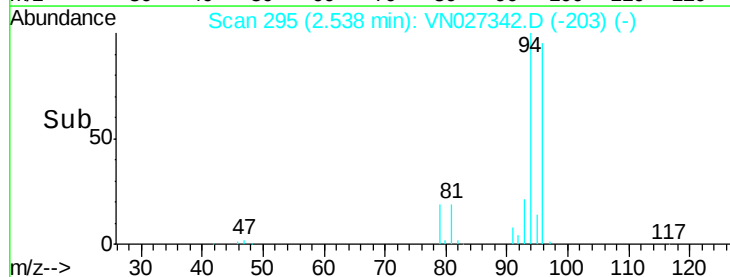
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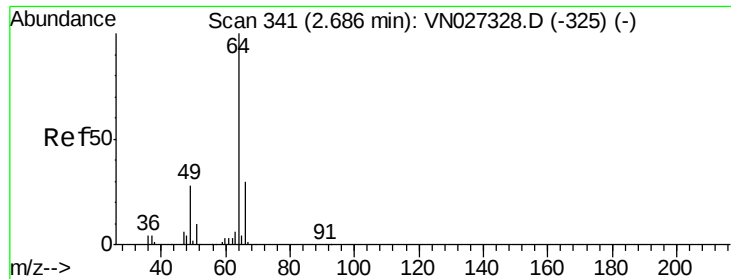
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20000

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Time--> 2.45 2.50 2.55 2.60 2.65





#7

Chloroethane

Concen: 47.97 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 64 Resp: 226313

Ion Ratio Lower Upper

64 100

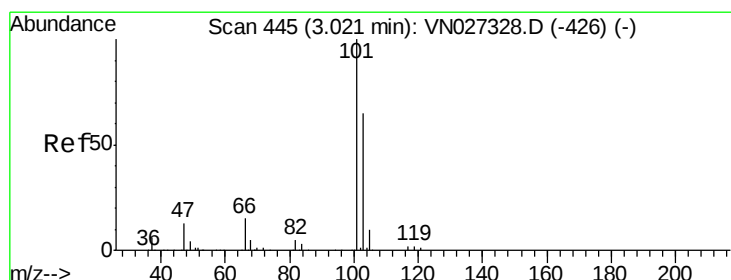
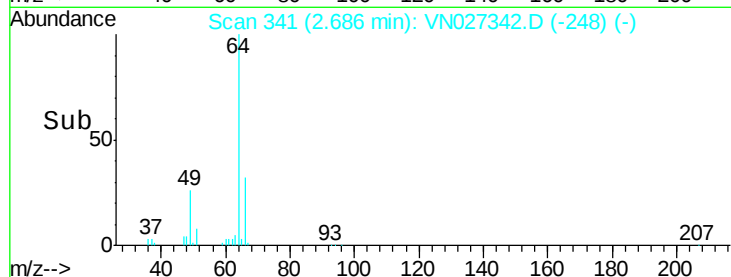
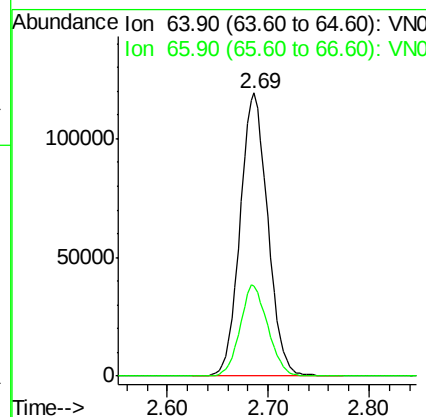
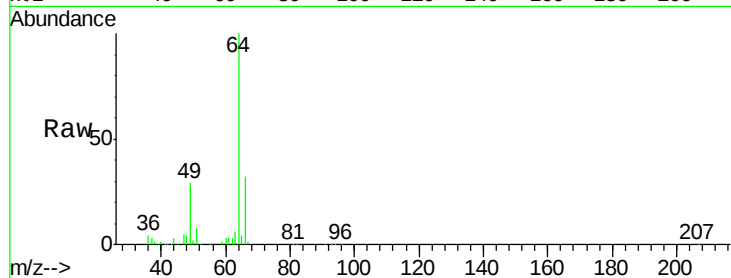
66 32.0 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 48.77 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027342.D

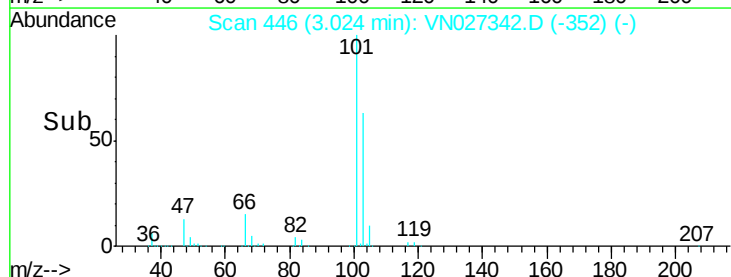
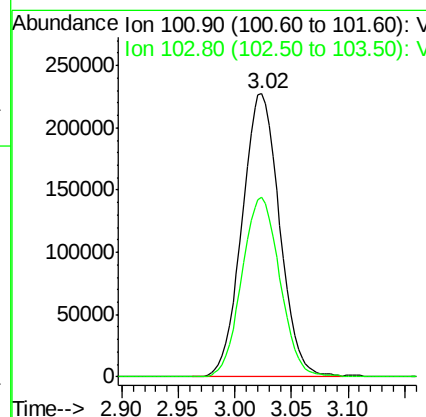
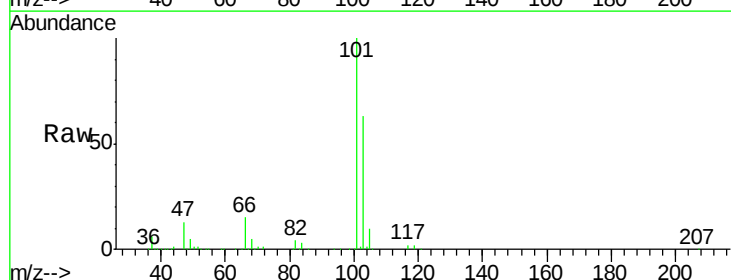
Acq: 21 Sep 2015 20:31

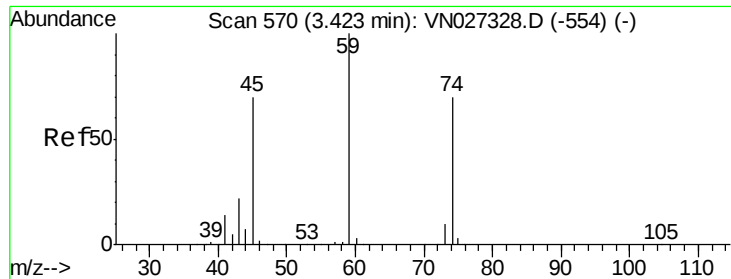
Tgt Ion:101 Resp: 525619

Ion Ratio Lower Upper

101 100

103 63.4 52.6 79.0





#9

Diethyl Ether

Concen: 49.39 ug/l

RT: 3.42 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

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ClientSampleId :

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Tot Ion: 74 Resp: 236555

Ion Ratio Lower Upper

74 100

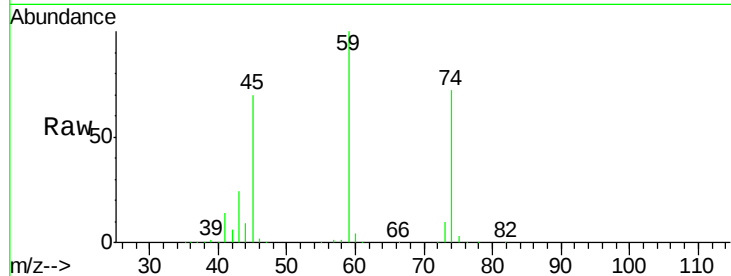
45 98.3 58.1 174.3

Manual Integrations

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MMDadoda

9/22/2015 2:28:48 PM



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.42

120000

100000

80000

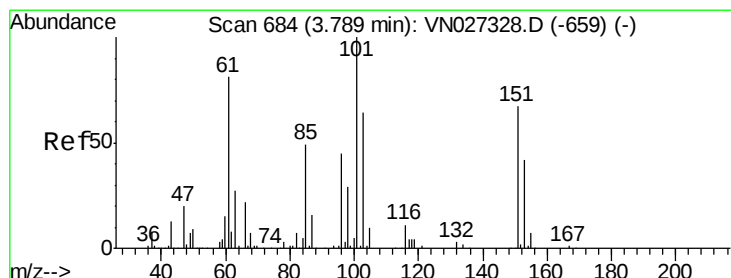
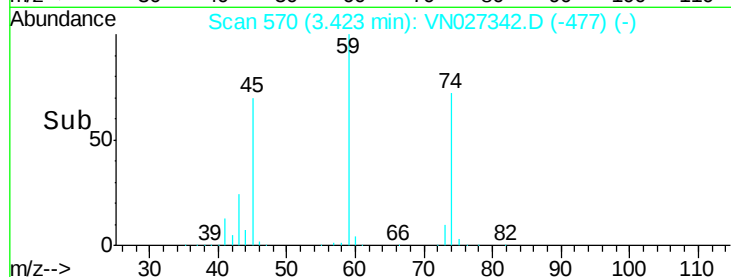
60000

40000

20000

0

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 48.28 ug/l

RT: 3.79 min Scan# 684

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

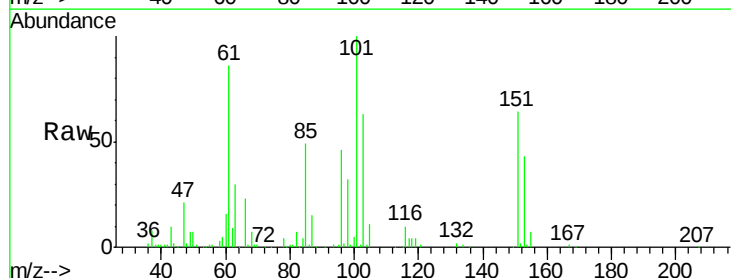
Tgt Ion:101 Resp: 329940

Ion Ratio Lower Upper

101 100

85 48.4 37.4 56.0

151 65.9 55.9 83.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

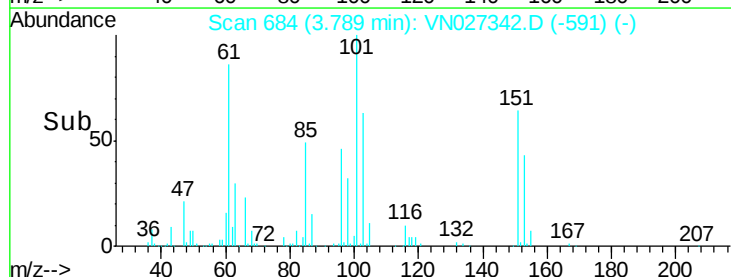
3.79

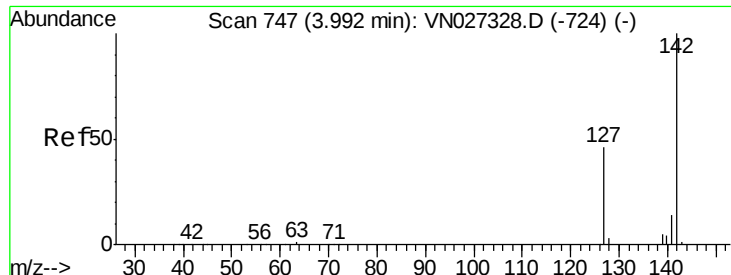
100000

50000

0

Time-->





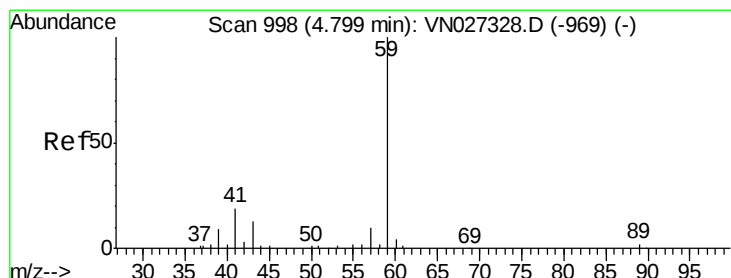
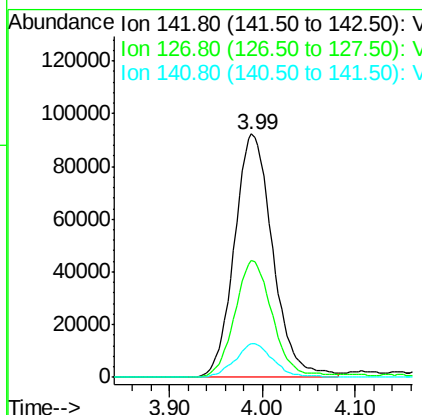
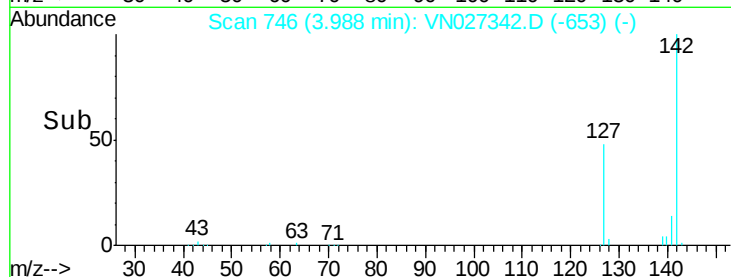
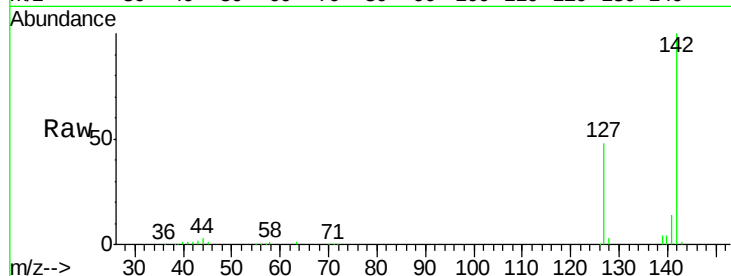
#11
Methvl Iodide
Concen: 50.06 ug/l
RT: 3.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.1	32.3	48.5
141	13.9	11.2	16.8

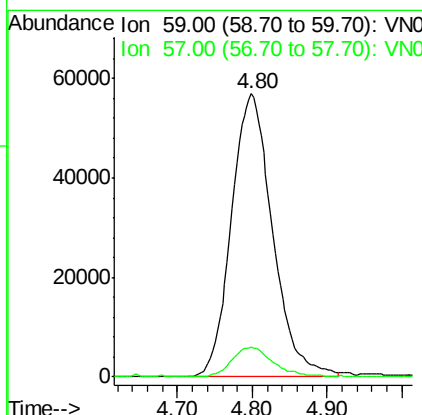
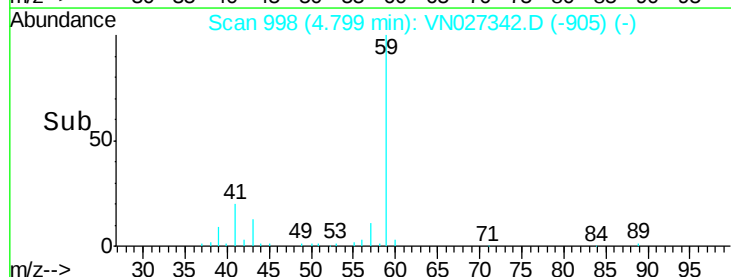
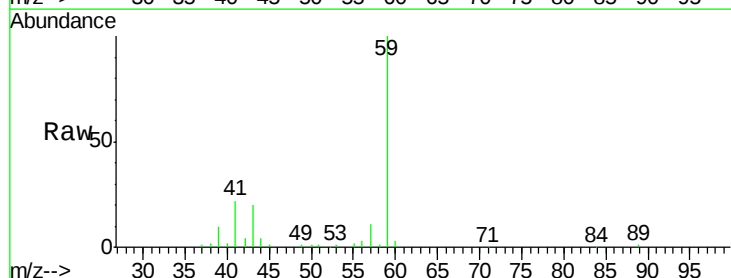
Manual Integrations
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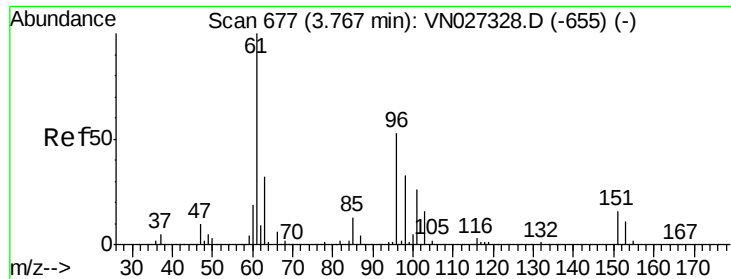
MMDadoda
9/22/2015 2:28:48 PM



#12
Tert butyl alcohol
Concen: 248.78 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4





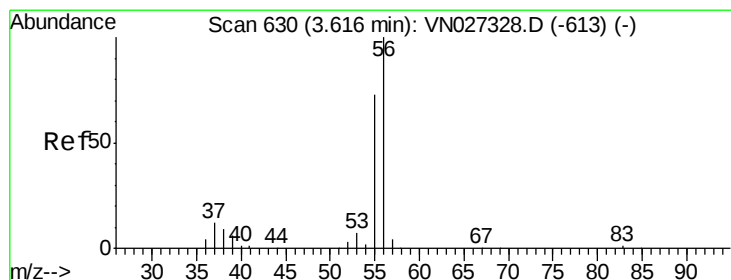
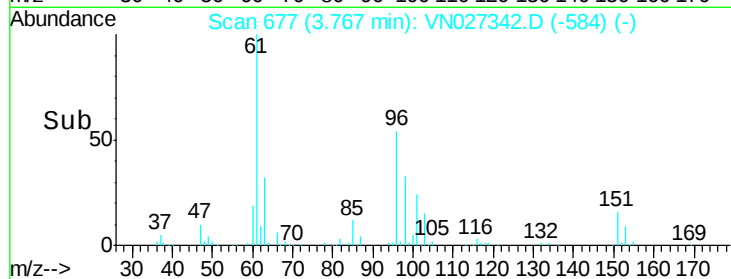
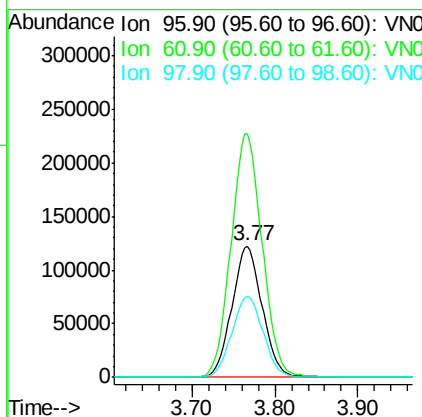
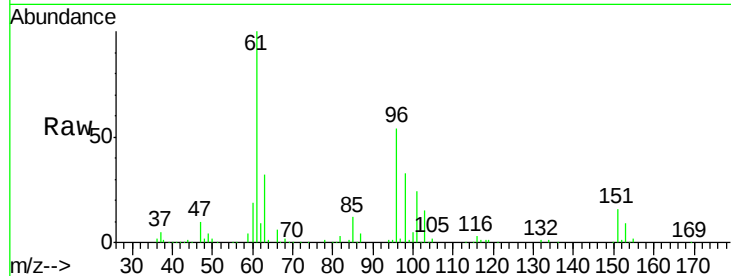
#13
 1,1-Dichloroethene
 Concen: 48.75 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.2	143.8	215.8
98	61.4	50.3	75.5

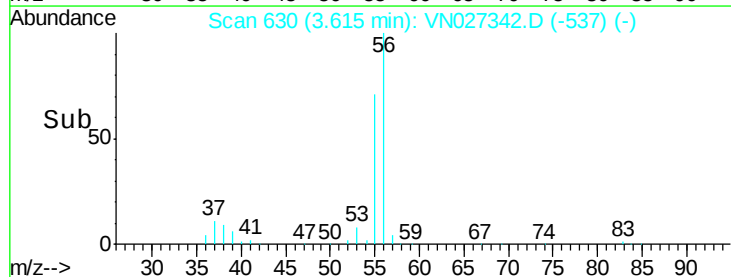
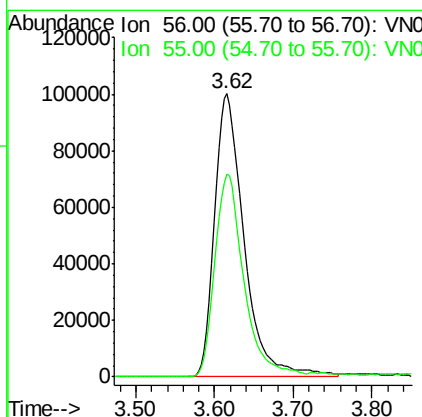
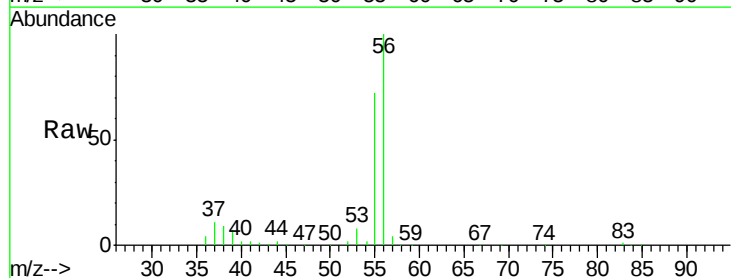
Manual Integrations
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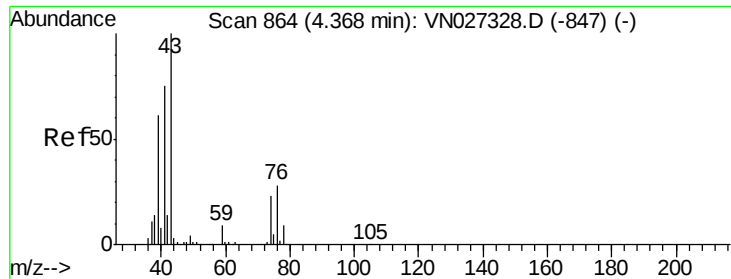
MMDadoda
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#14
 Acrolein
 Concen: 229.06 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.7	83.5





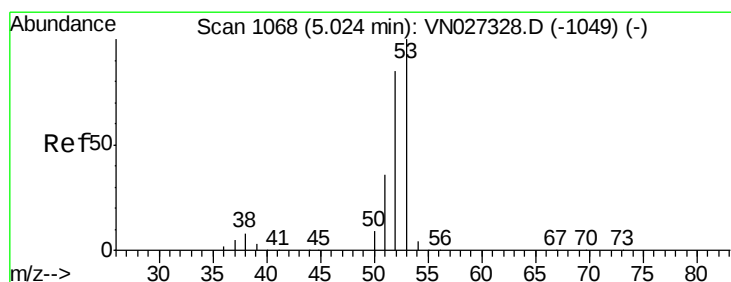
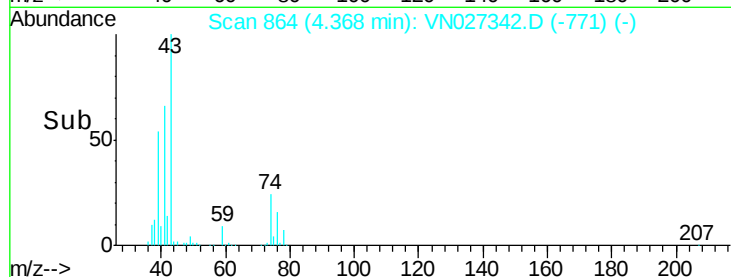
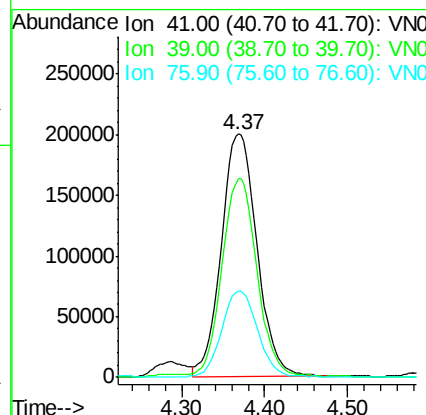
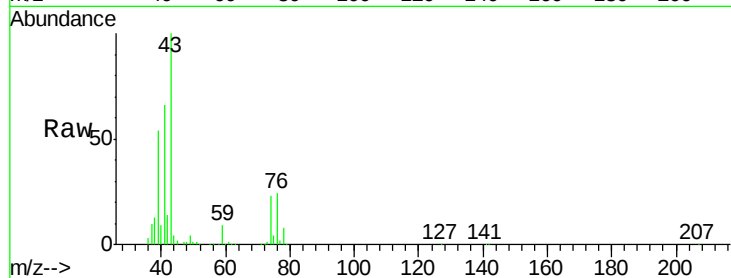
#15
Allvl chloride
Concen: 47.93 ug/l
RT: 4.37 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.3	49.7	74.5#
76	35.5	24.8	37.2

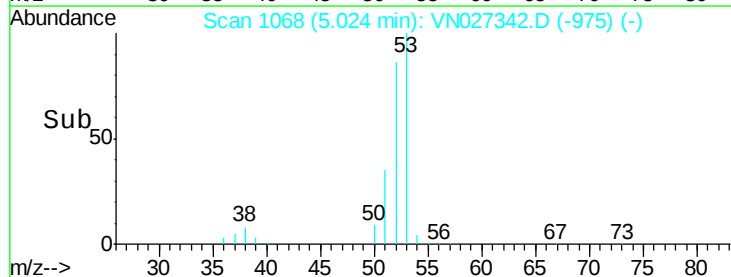
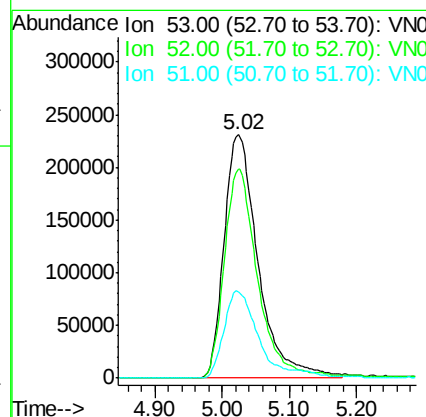
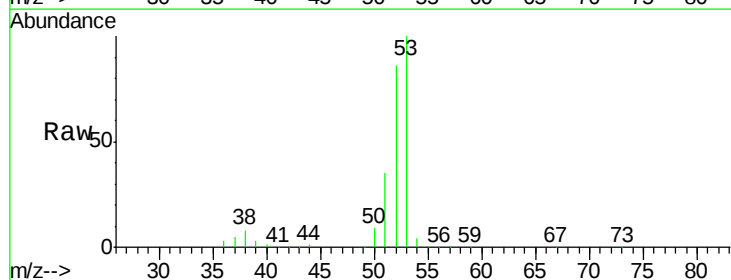
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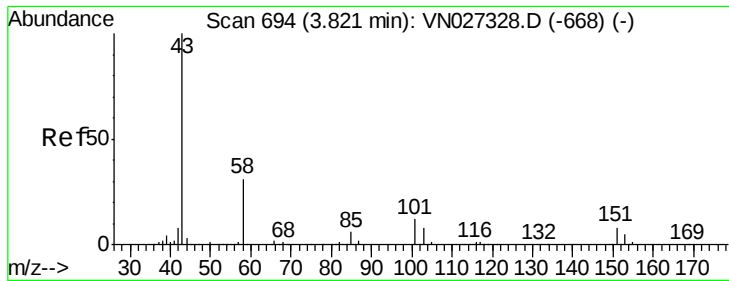
MMDadoda
9/22/2015 2:28:48 PM



#16
Acrylonitrile
Concen: 256.98 ug/l
RT: 5.02 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.9	100.3
51	37.1	27.4	41.0





#17

Acetone

Concen: 231.98 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 691122

Ion Ratio Lower Upper

43 100

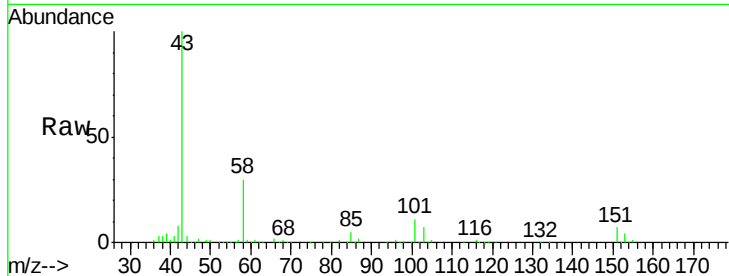
58 30.0 25.4 38.0

Manual Integrations

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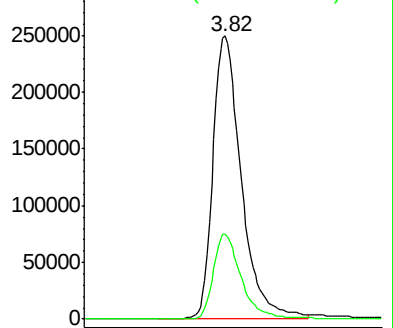
MMDadoda

9/22/2015 2:28:48 PM

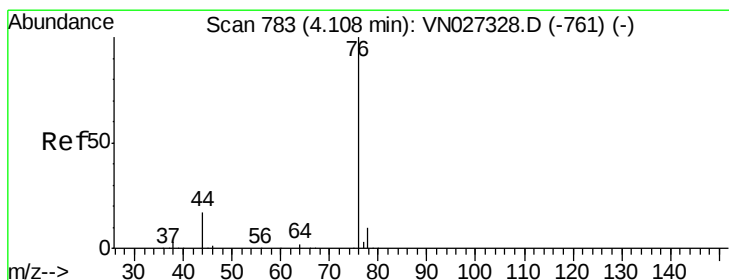
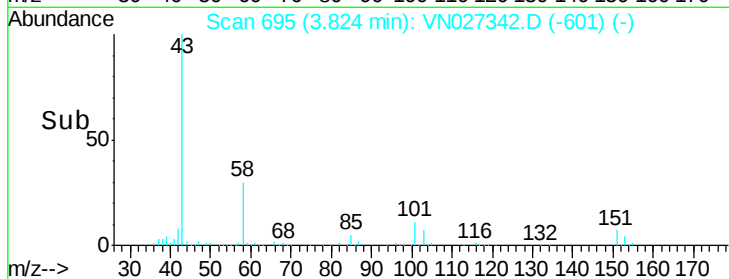


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#18

Carbon Disulfide

Concen: 46.40 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027342.D

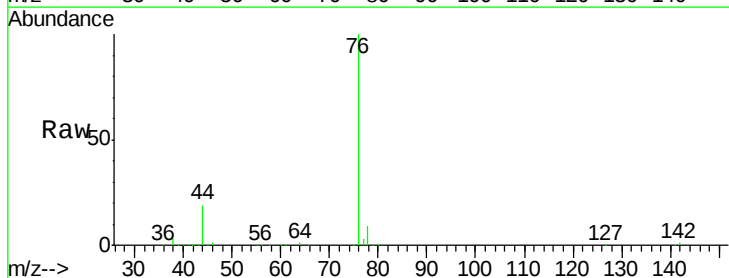
Acq: 21 Sep 2015 20:31

Tgt Ion: 76 Resp: 887537

Ion Ratio Lower Upper

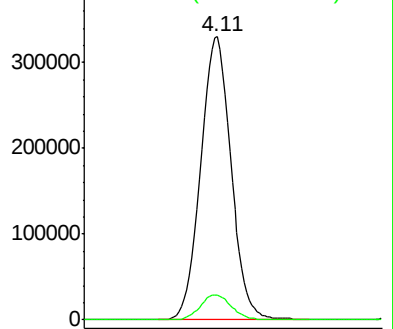
76 100

78 8.6 7.1 10.7

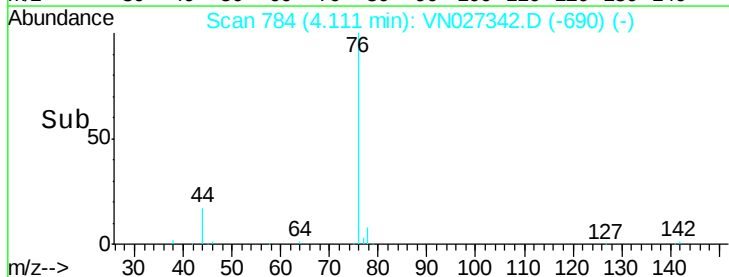


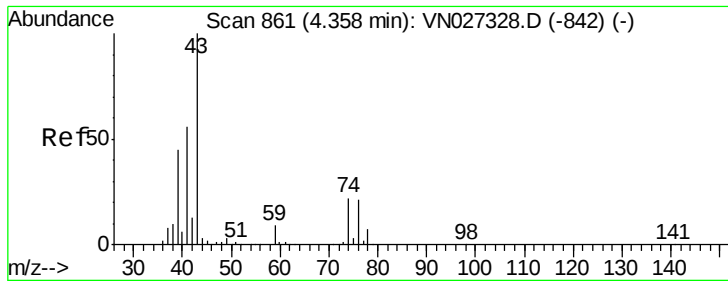
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->





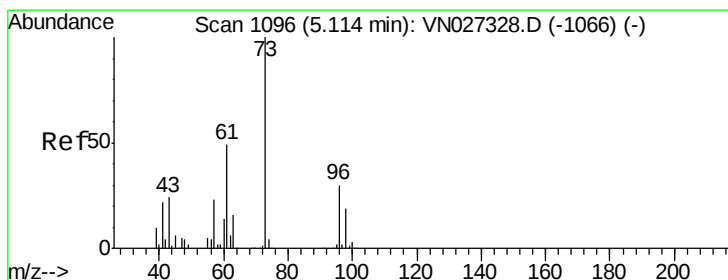
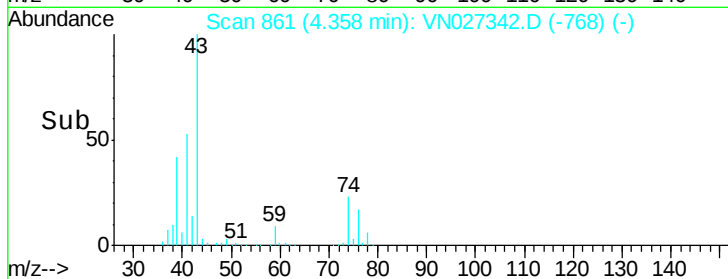
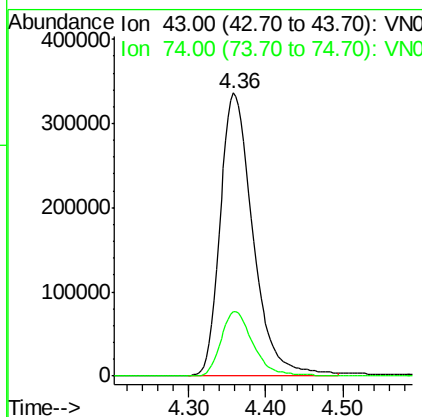
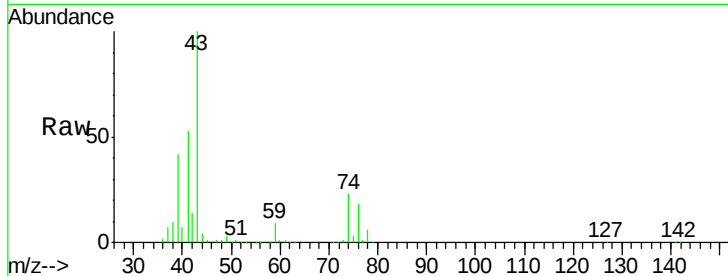
#19
Methvl Acetate
Concen: 53.27 ug/l
RT: 4.36 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	984465
Ion Ratio	100	Lower	Upper
74	22.6	16.2	24.2

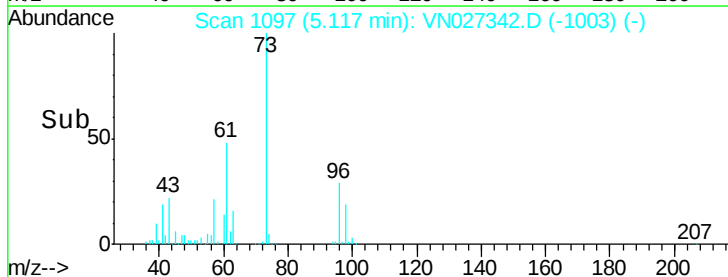
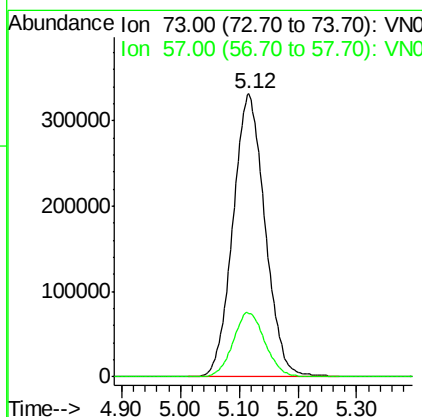
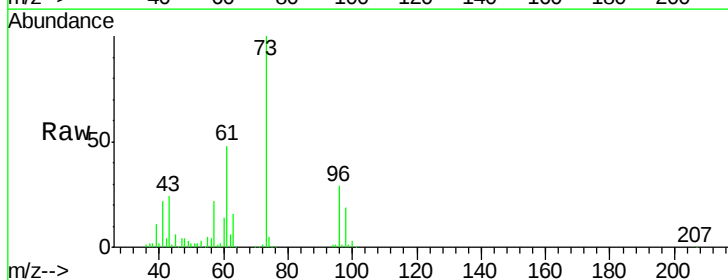
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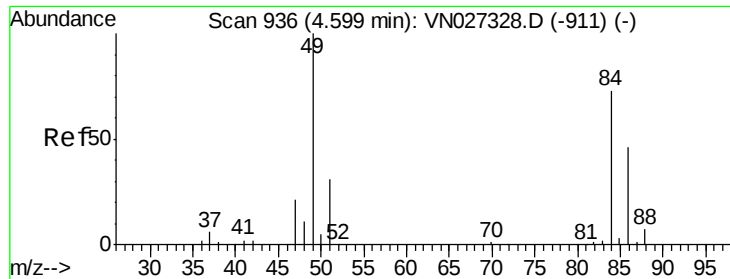
MMDadoda
9/22/2015 2:28:48 PM



#20
Methyl tert-butyl Ether
Concen: 49.49 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	73	Resp	1262064
Ion Ratio	100	Lower	Upper
57	22.4	19.8	29.6





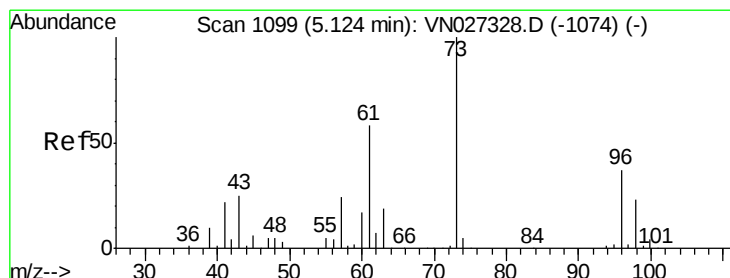
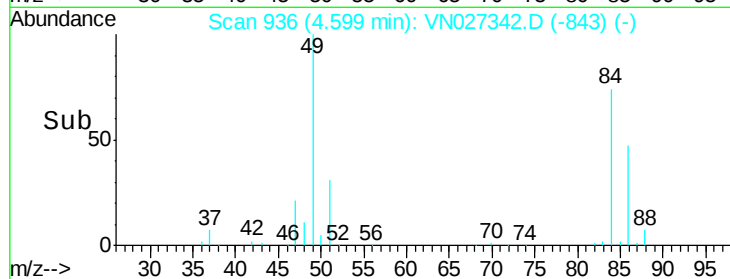
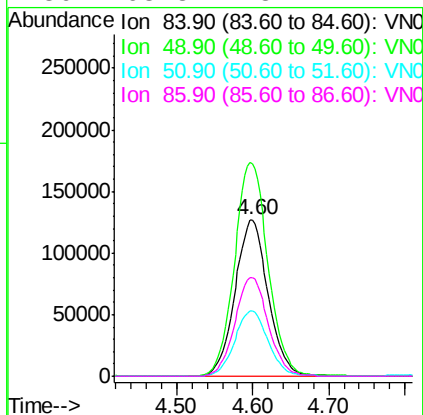
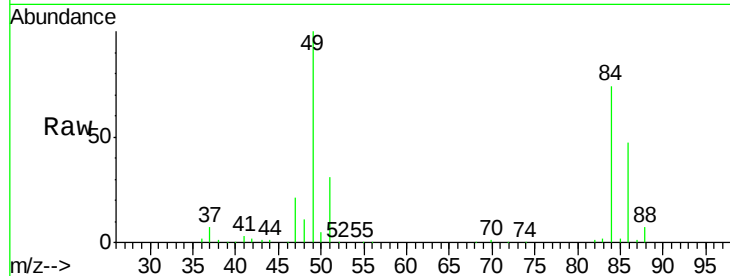
#21
Methvlene Chloride
Concen: 48.32 ug/l
RT: 4.60 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	84	Resp	383257
Ion	Ratio	Lower	Upper
84	100		
49	135.9	112.3	168.5
51	42.0	33.8	50.8
86	63.3	48.2	72.4

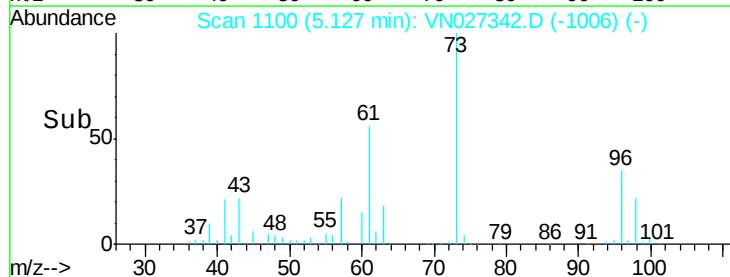
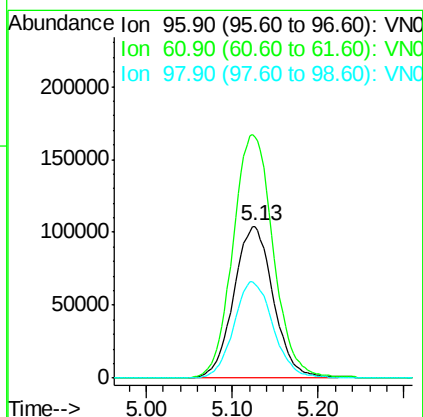
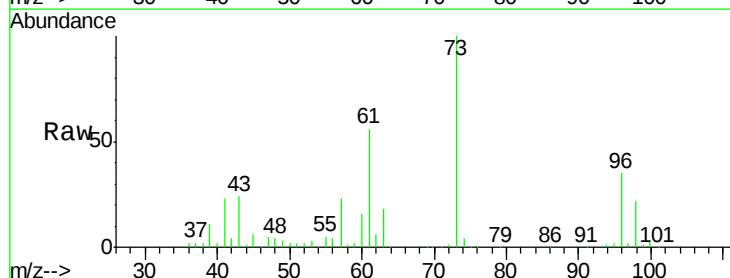
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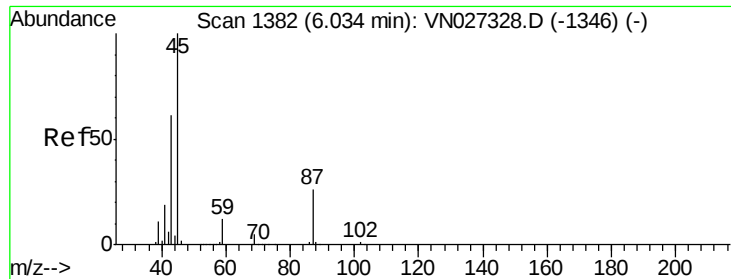
MMDadoda
9/22/2015 2:28:48 PM



#22
trans-1,2-Dichloroethene
Concen: 47.45 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	96	Resp	333256
Ion	Ratio	Lower	Upper
96	100		
61	158.8	126.6	189.8
98	61.6	47.4	71.2





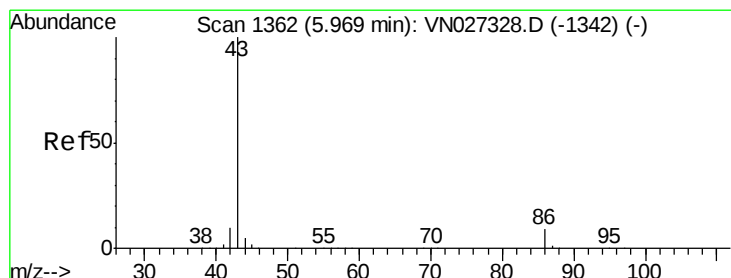
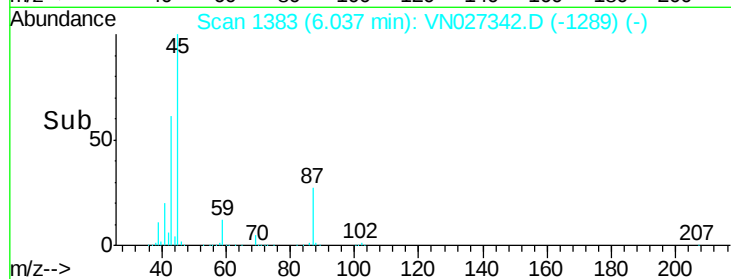
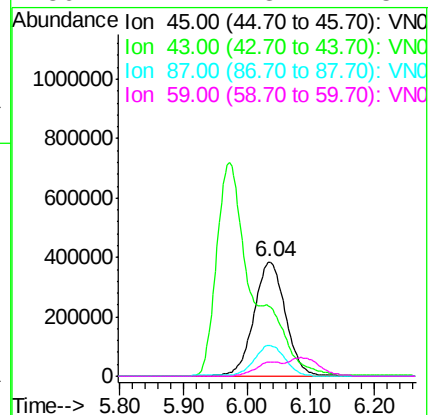
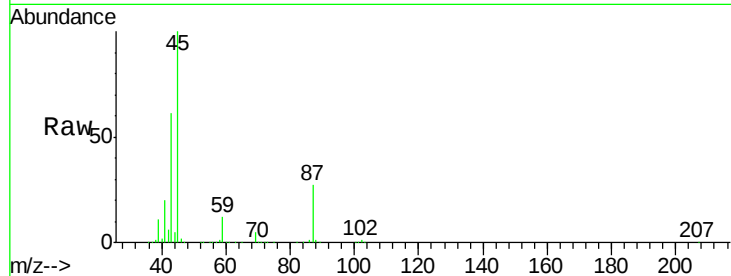
#23
Diisopropyl ether
Concen: 49.18 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
45	100		
43	60.6	41.0	61.6
87	26.5	17.5	26.3
59	12.1	8.7	13.1

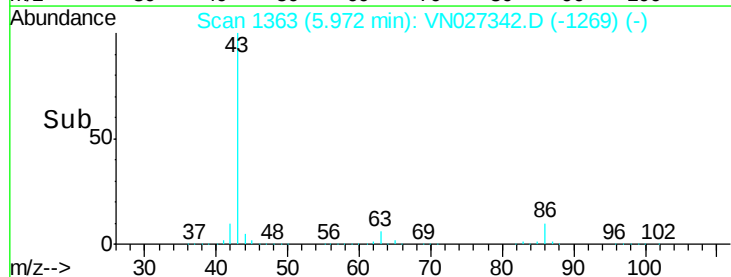
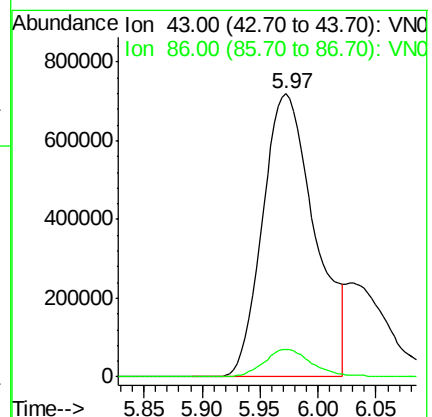
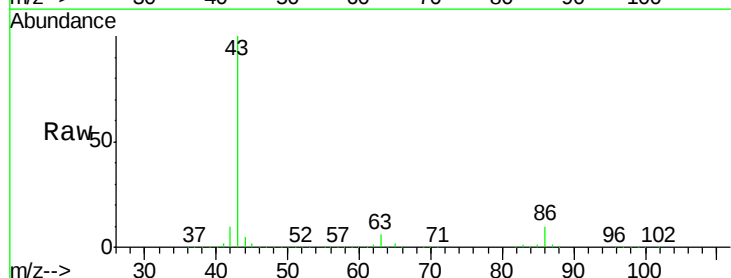
Manual Integrations
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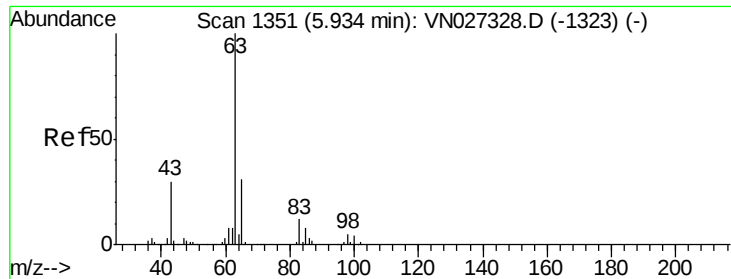
MMDadoda
9/22/2015 2:28:48 PM



#24
Vinyl Acetate
Concen: 247.58 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.9	10.3





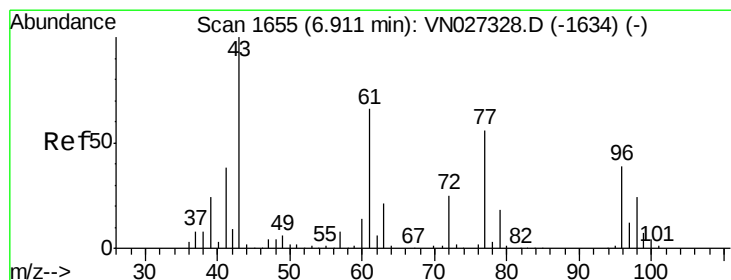
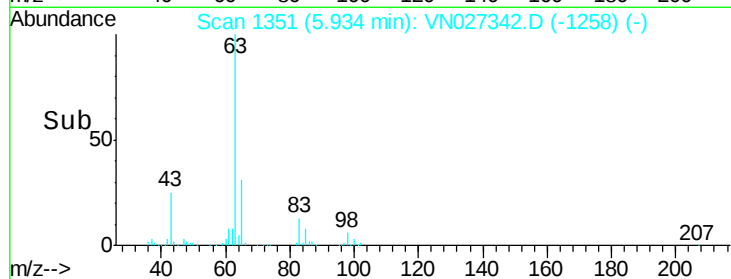
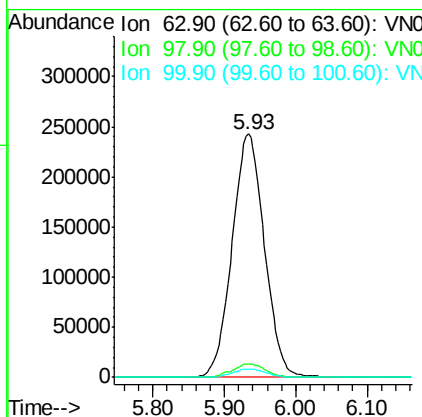
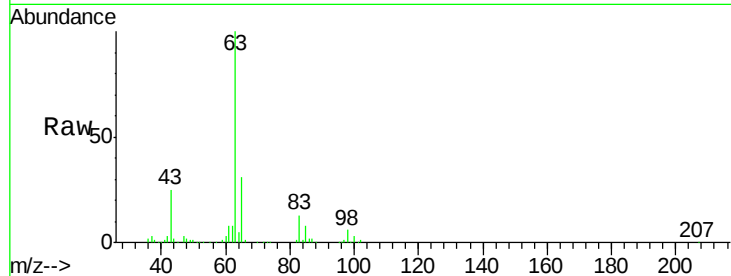
#25
 1,1-Dichloroethane
 Concen: 48.44 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.8	8.3
100	3.3	1.7	5.0

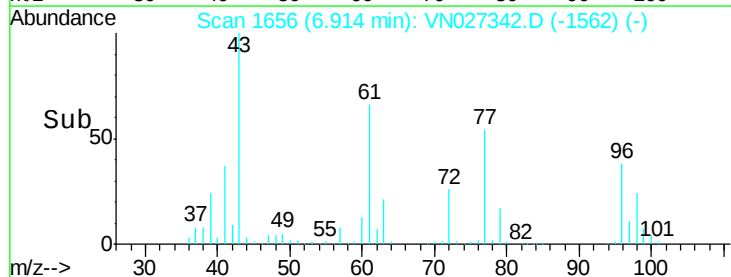
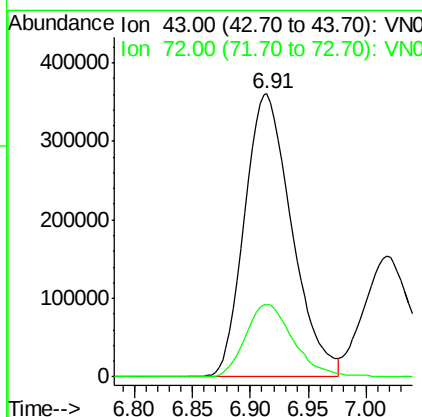
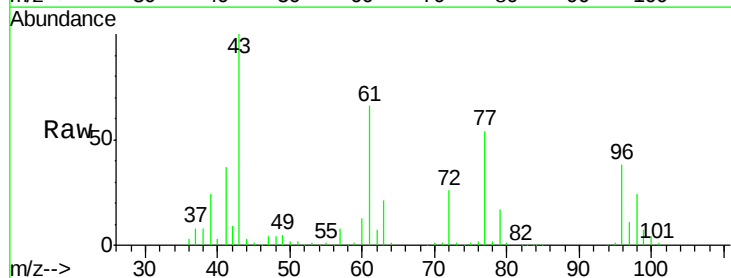
Manual Integrations
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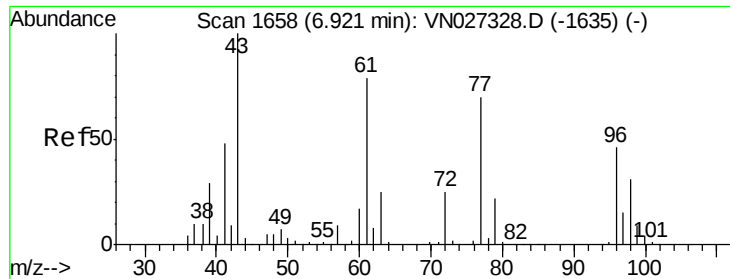
MMDadoda
 9/22/2015 2:28:48 PM



#26
 2-Butanone
 Concen: 260.55 ug/l
 RT: 6.91 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	18.8	28.2





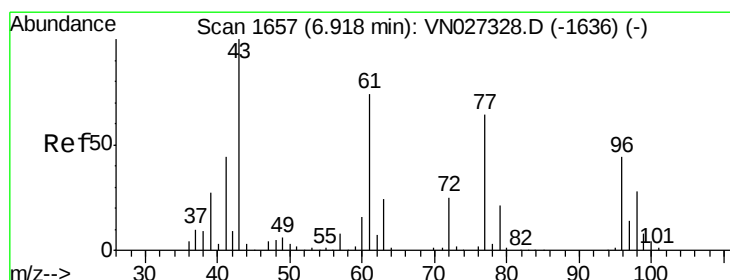
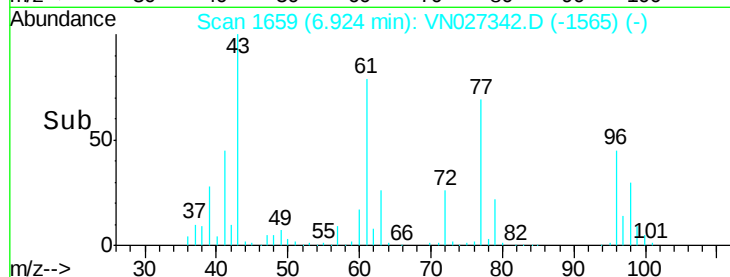
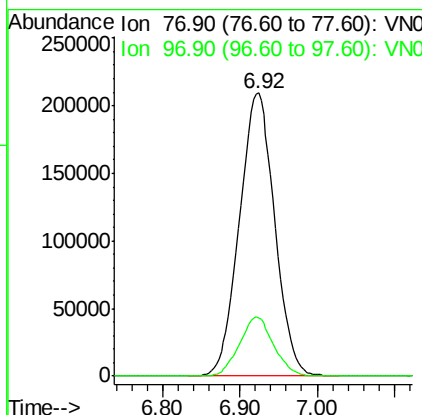
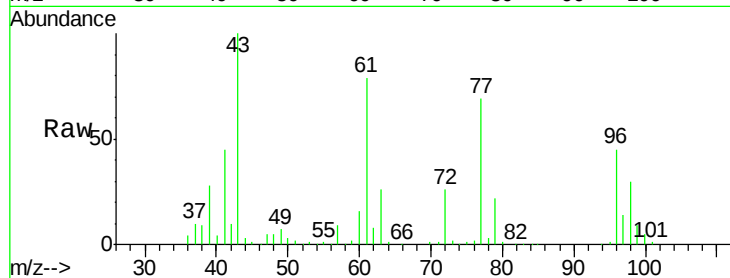
#27
 2,2-Dichloropropane
 Concen: 48.92 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 77 Resp: 665494
 Ion Ratio Lower Upper
 77 100
 97 20.2 11.8 35.3

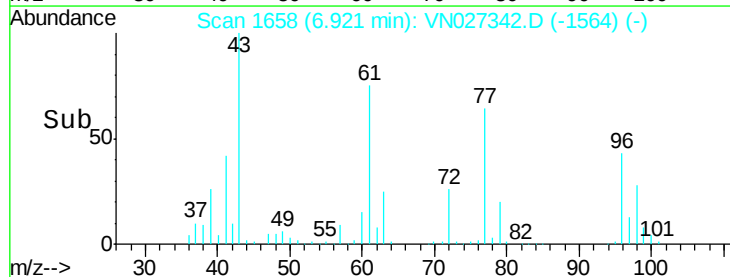
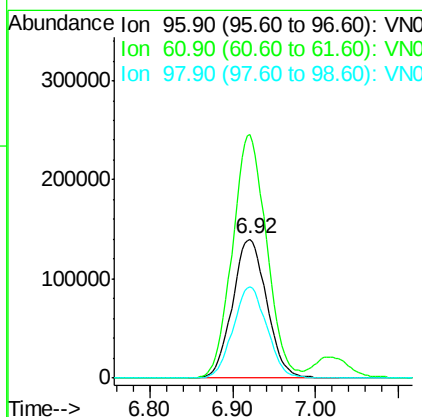
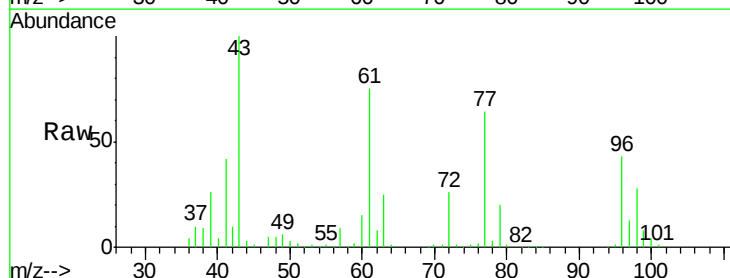
Manual Integrations
 APPROVED

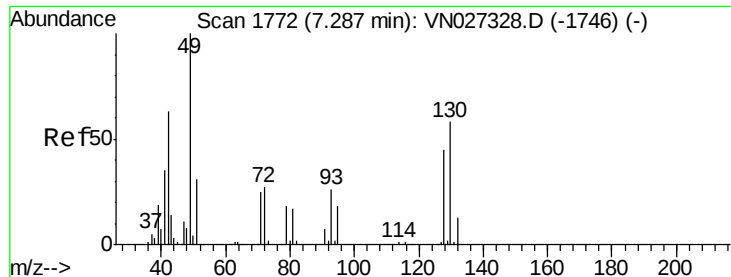
MMDadoda
 9/22/2015 2:28:48 PM



#28
 cis-1,2-Dichloroethene
 Concen: 48.69 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion: 96 Resp: 404075
 Ion Ratio Lower Upper
 96 100
 61 174.0 0.0 329.2
 98 64.6 0.0 126.0





#29

Bromochloromethane

Concen: 49.00 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 49 Resp: 303555

Ion Ratio Lower Upper

49 100

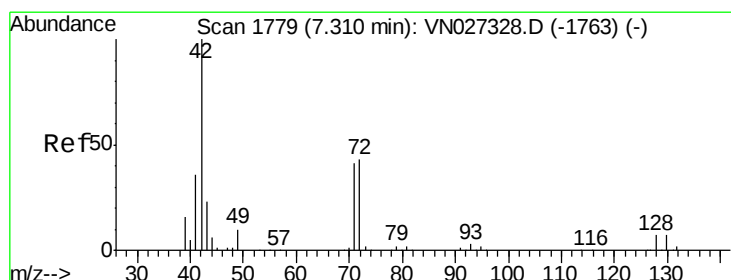
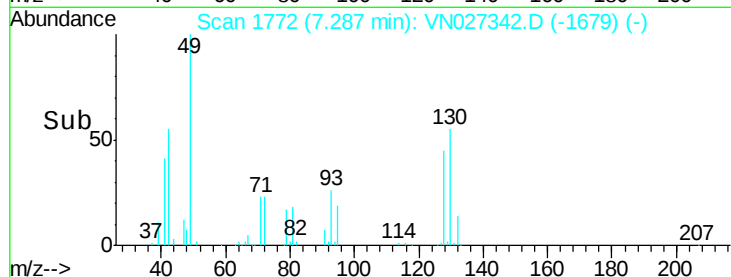
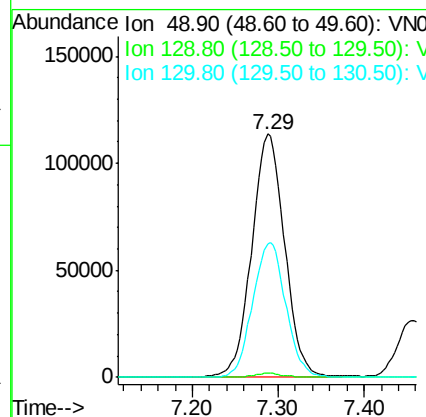
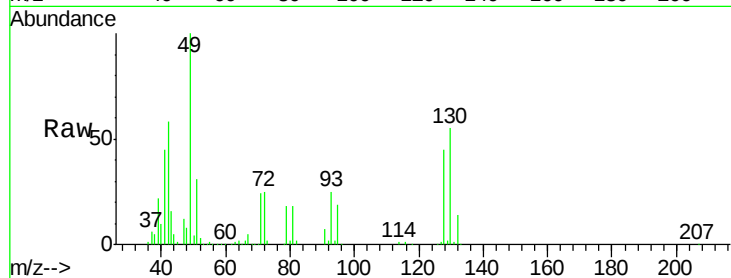
129 1.4 0.0 3.2

130 55.5 43.2 64.8

Manual Integrations
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#30

Tetrahydrofuran

Concen: 253.72 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

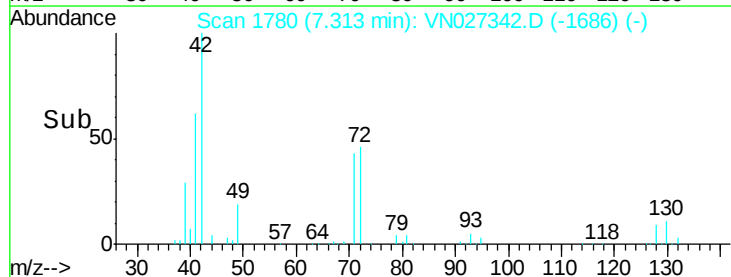
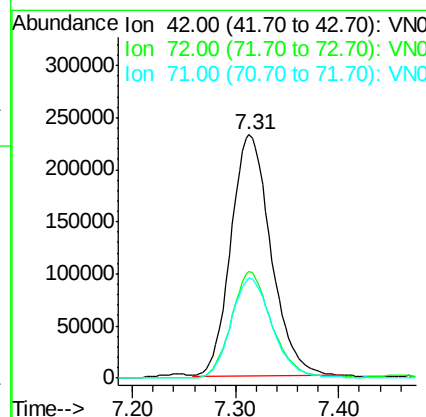
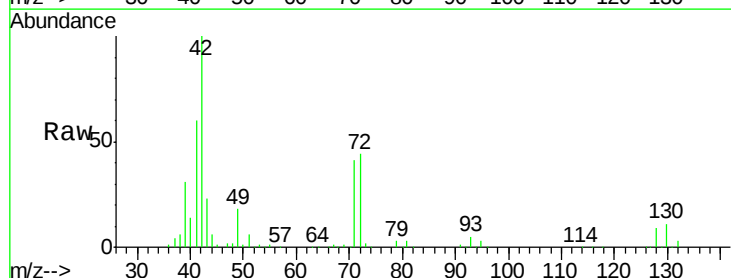
Tgt Ion: 42 Resp: 627483

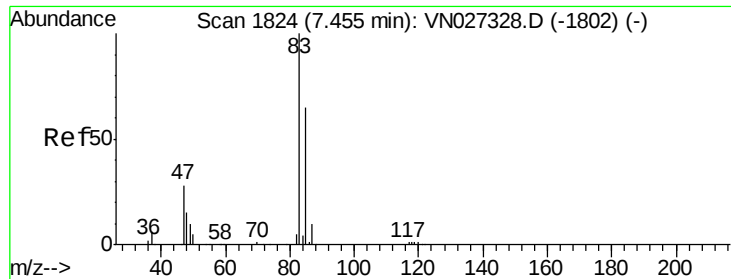
Ion Ratio Lower Upper

42 100

72 44.5 29.9 44.9

71 42.5 28.3 42.5#





#31

Chloroform

Concen: 49.94 ug/l

RT: 7.46 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 740626

Ion Ratio Lower Upper

83 100

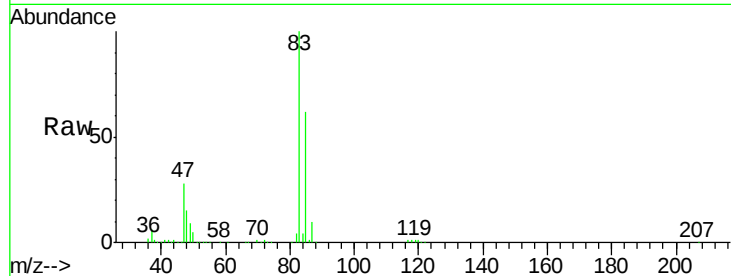
85 62.4 51.1 76.7

Manual Integrations

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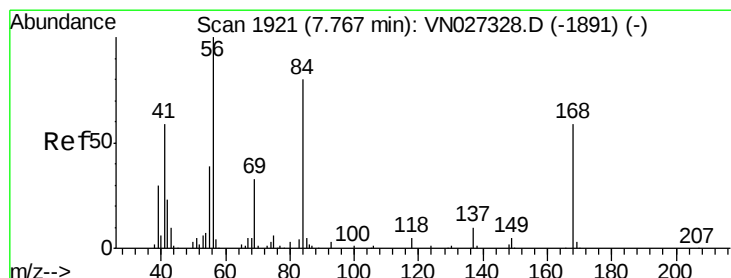
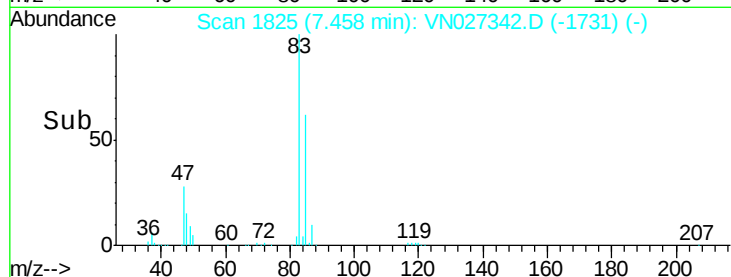
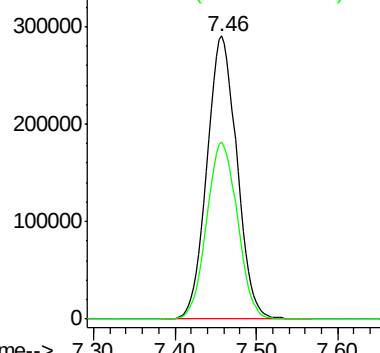
MMDadoda

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Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO



#32

Cyclohexane

Concen: 48.96 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

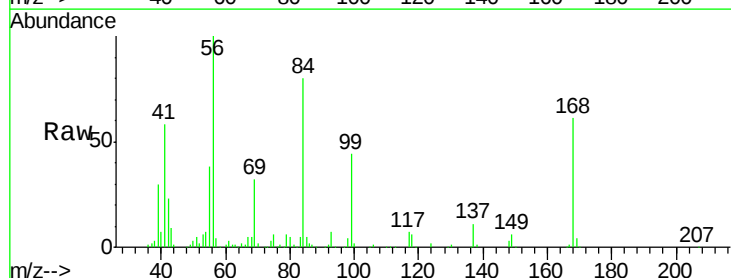
Tgt Ion: 56 Resp: 688502

Ion Ratio Lower Upper

56 100

69 32.1 23.0 34.4

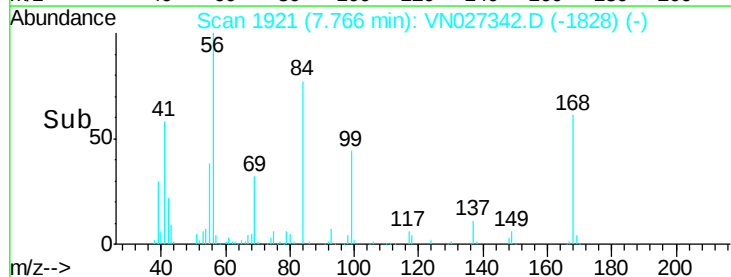
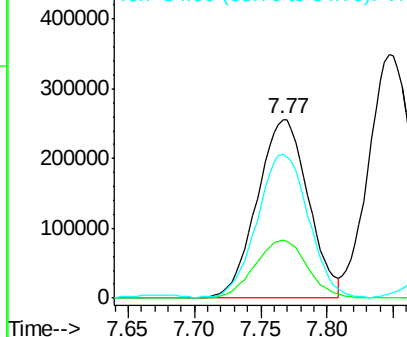
84 79.6 57.8 86.8

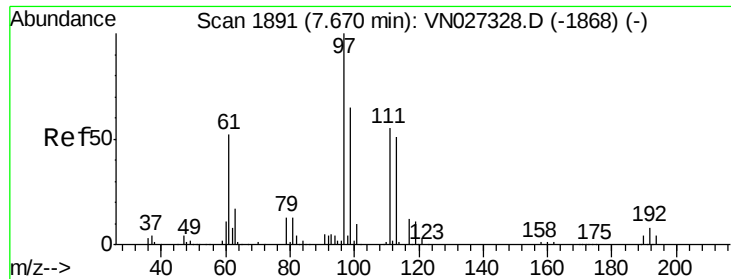


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





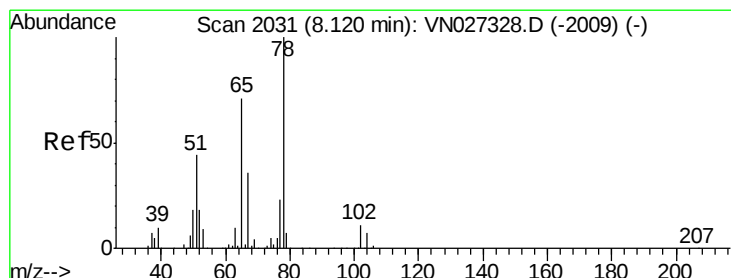
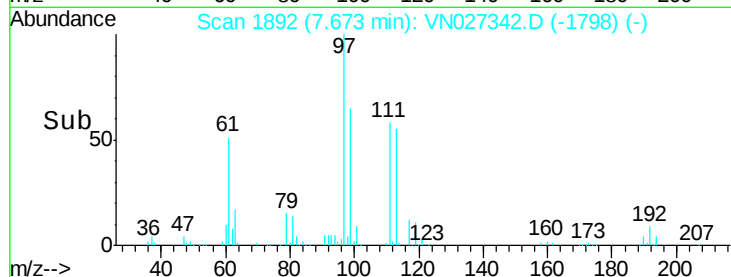
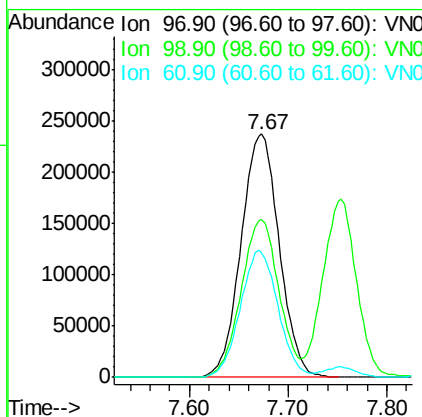
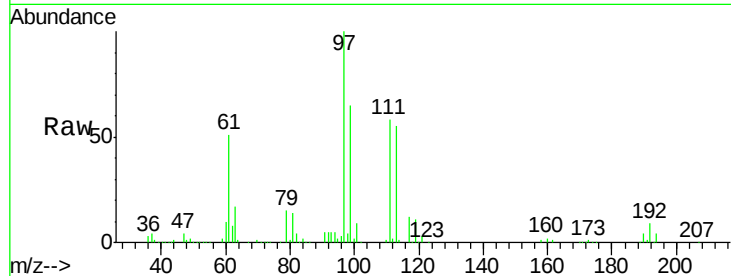
#33
 1,1,1-Trichloroethane
 Concen: 48.40 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.1	75.1
61	51.6	44.0	66.0

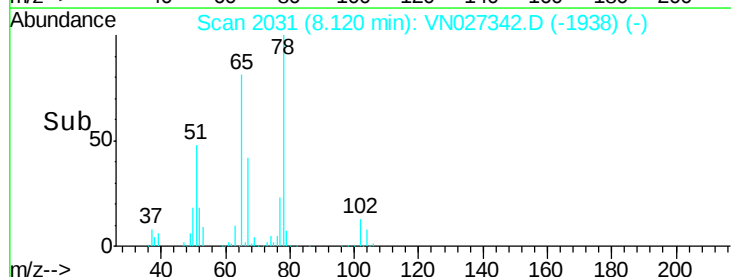
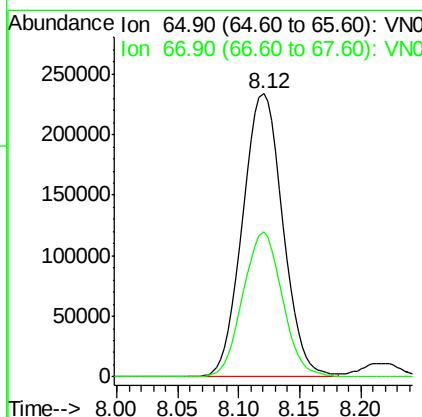
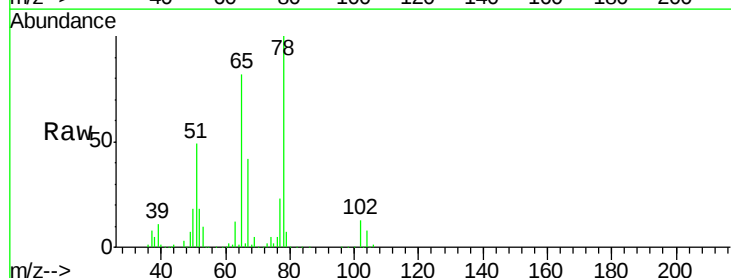
Manual Integrations
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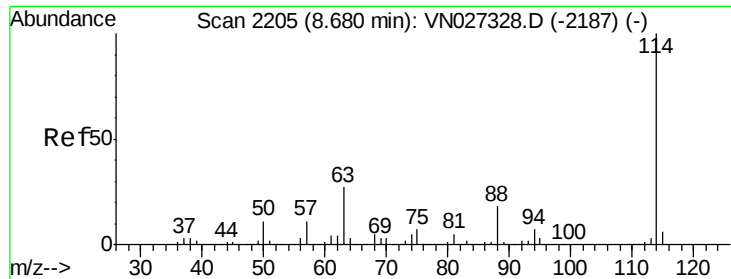
MMDadoda
 9/22/2015 2:28:48 PM



#34
 1,2-Dichloroethane-d4
 Concen: 48.80 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	110.6





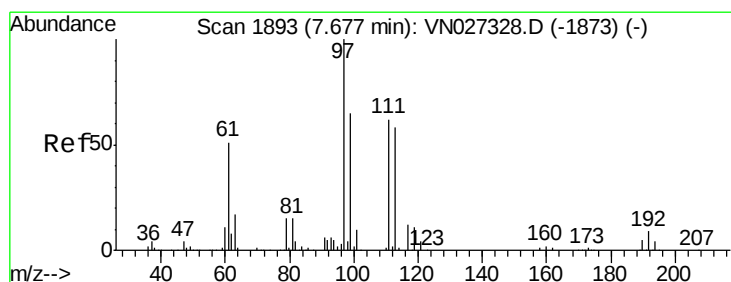
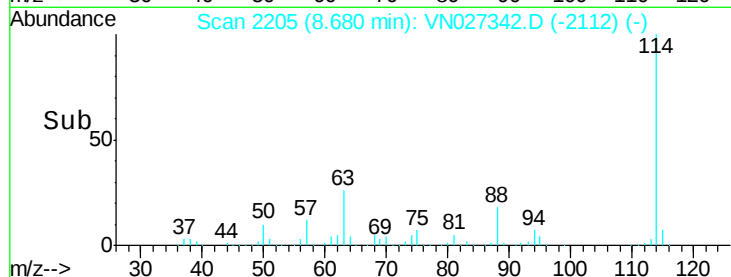
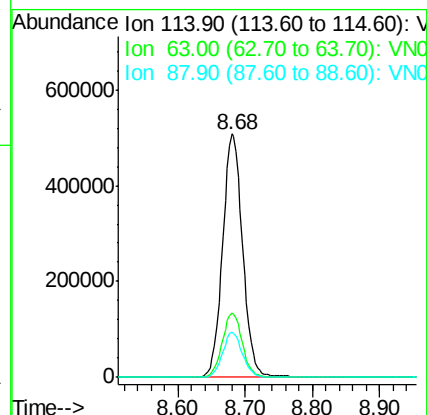
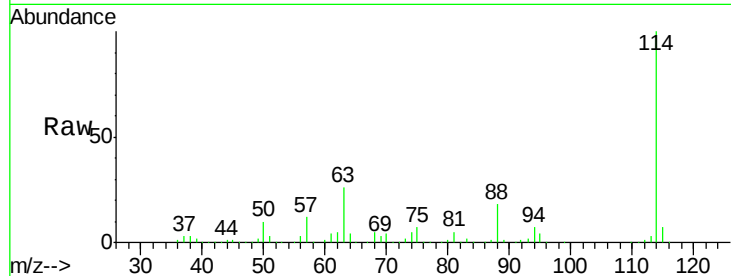
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	0.0	48.8
88	18.4	0.0	32.2

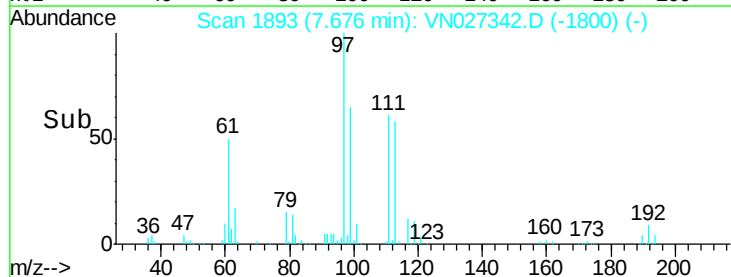
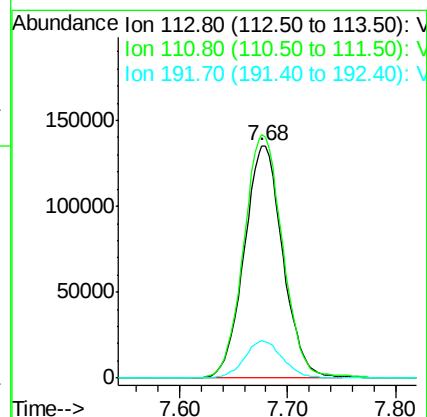
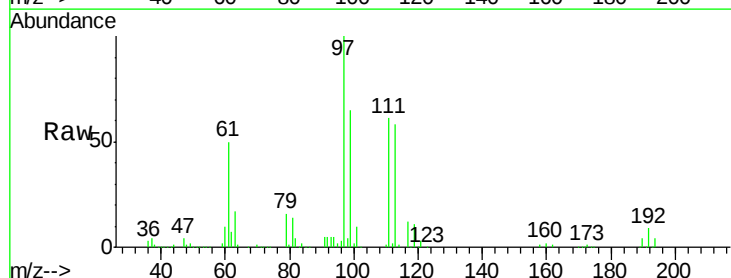
Manual Integrations
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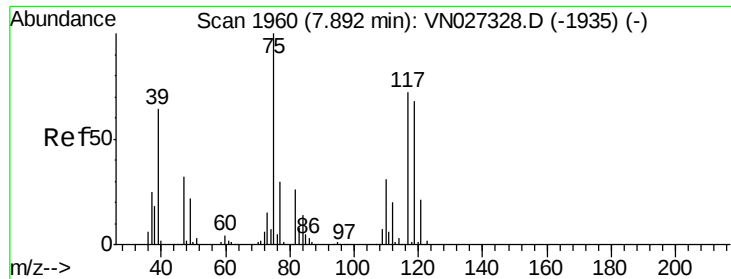
MMDadoda
 9/22/2015 2:28:48 PM



#36
 Dibromofluoromethane
 Concen: 48.81 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.4	83.0	124.4
192	16.0	14.1	21.1





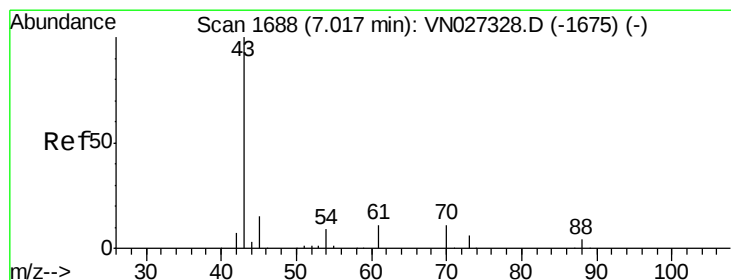
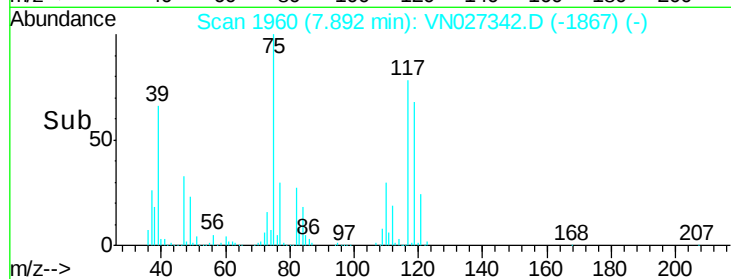
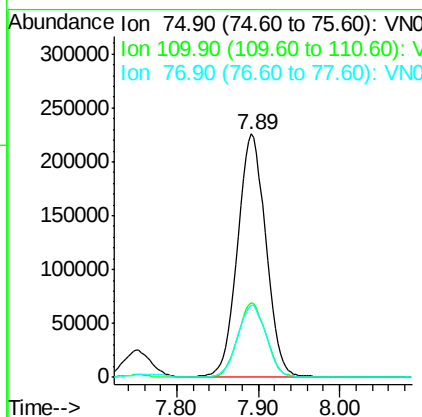
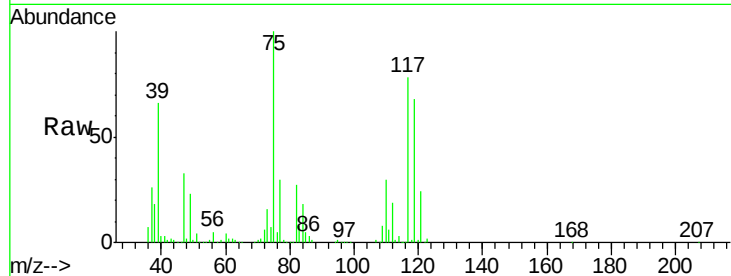
#37
 1,1-Dichloropropene
 Concen: 47.66 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.6	15.9	47.7
77	30.1	24.9	37.3

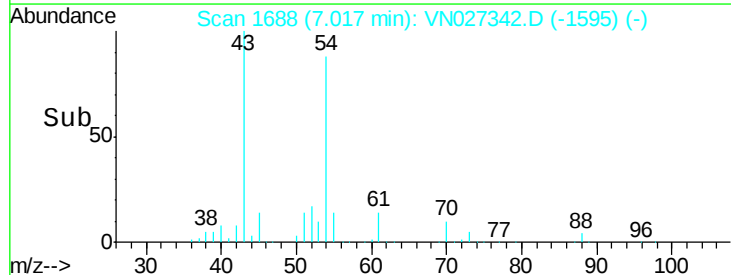
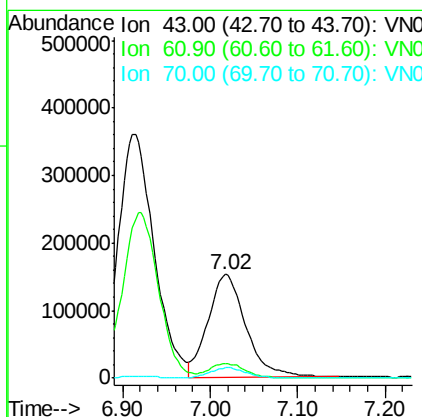
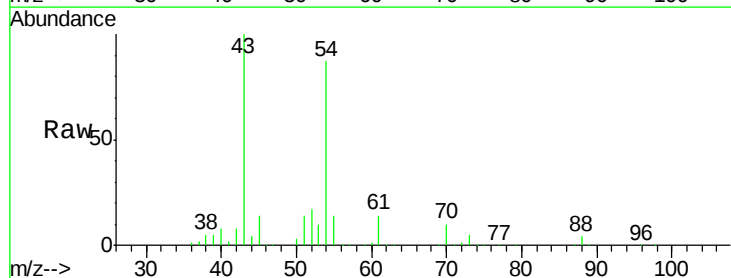
Manual Integrations
 APPROVED

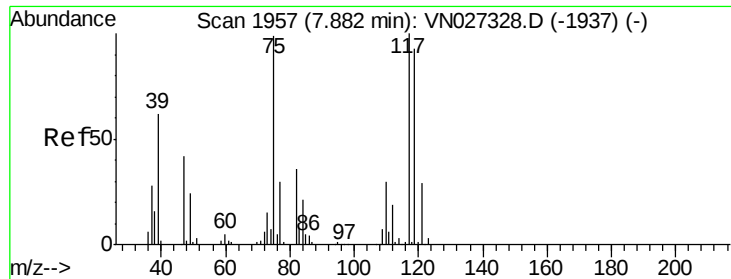
MMDadoda
 9/22/2015 2:28:48 PM



#38
 Ethyl Acetate
 Concen: 51.55 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.4
70	10.0	7.4	11.0





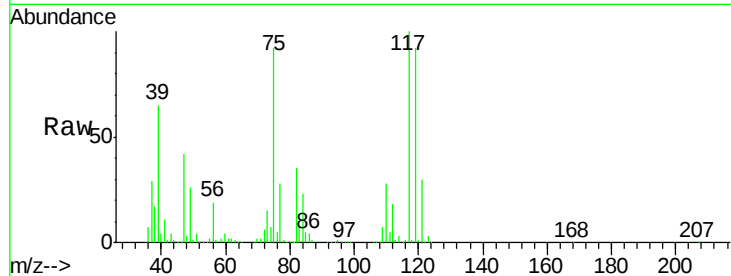
#39
Carbon Tetrachloride
Concen: 48.04 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

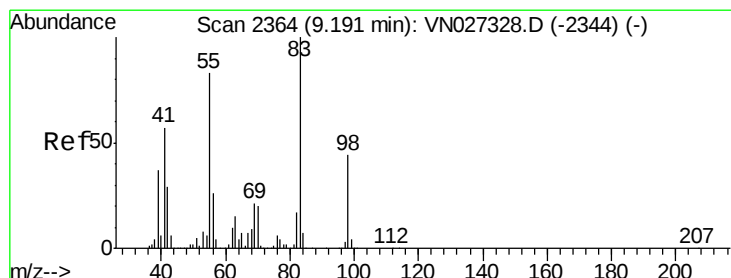
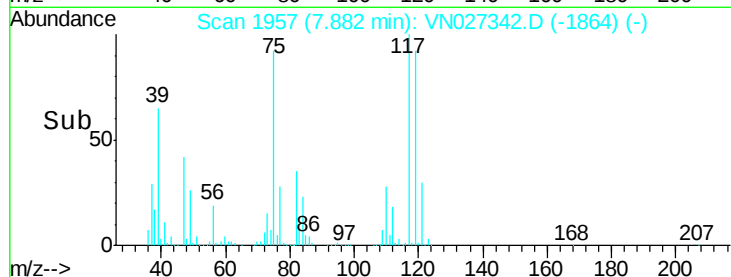
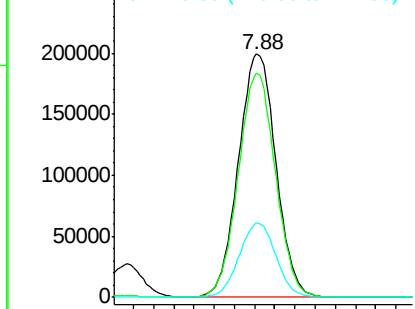
Tot Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.3	112.9
121	30.4	23.8	35.8

Manual Integrations
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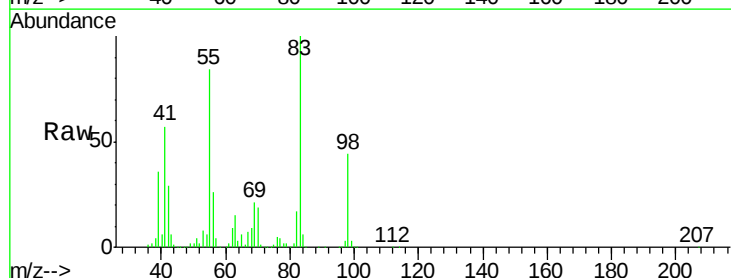


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

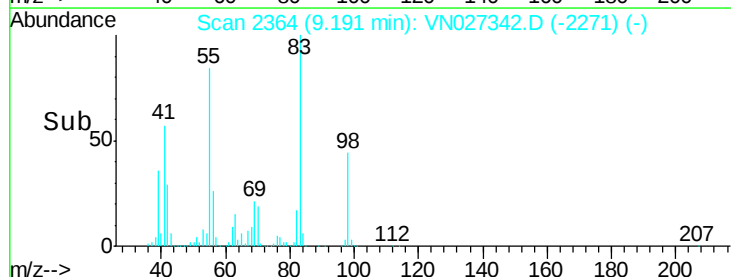
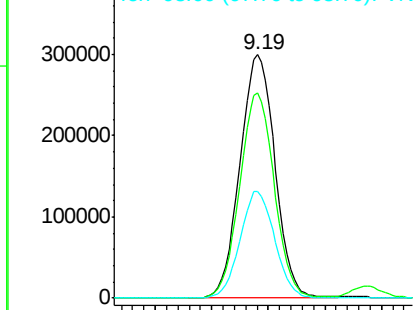


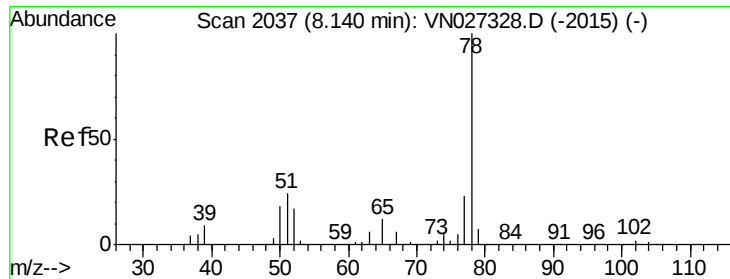
#40
Methylcyclohexane
Concen: 47.79 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.1	69.8	104.8
98	43.8	34.3	51.5



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#41

Benzene

Concen: 48.44 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 78 Resp: 1600059

Ion Ratio Lower Upper

78 100

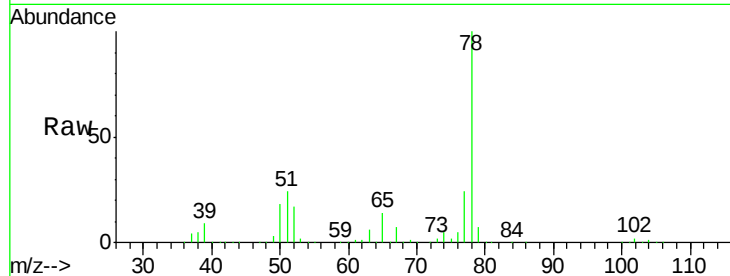
77 23.8 19.0 28.4

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

800000

600000

400000

200000

0

Time-->

8.00 8.10 8.20 8.30

8.14

600000

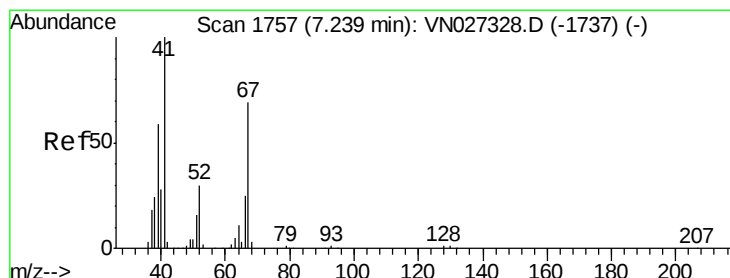
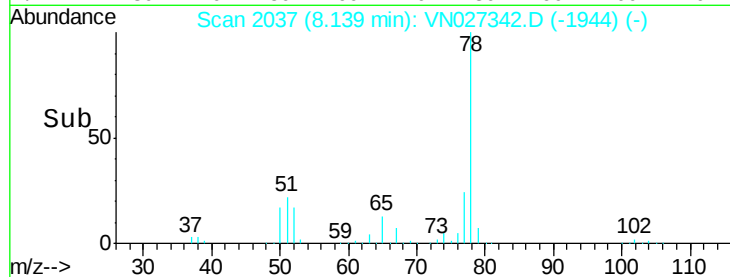
400000

200000

0

Time-->

8.00 8.10 8.20 8.30



#42

Methacrylonitrile

Concen: 49.58 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Tgt Ion: 41 Resp: 257197

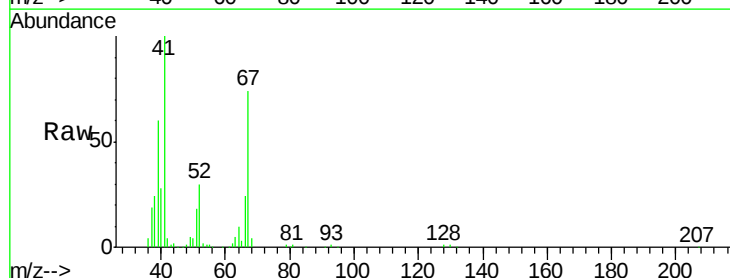
Ion Ratio Lower Upper

41 100

39 60.9 43.0 64.6

67 75.7 52.2 78.2

52 33.2 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

200000

150000

100000

50000

0

Time-->

7.15 7.20 7.25 7.30

7.24

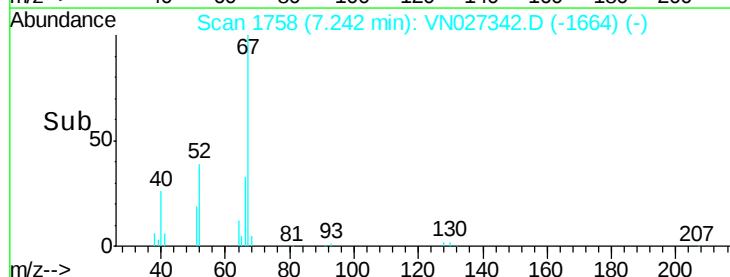
100000

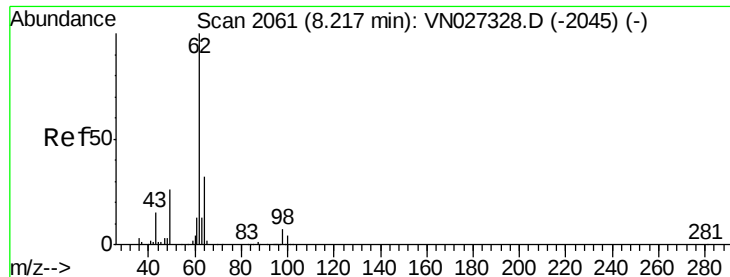
50000

0

Time-->

7.15 7.20 7.25 7.30





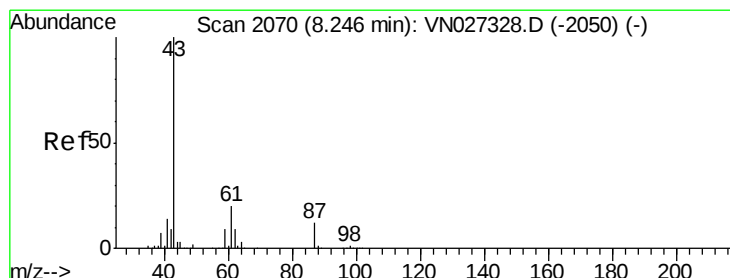
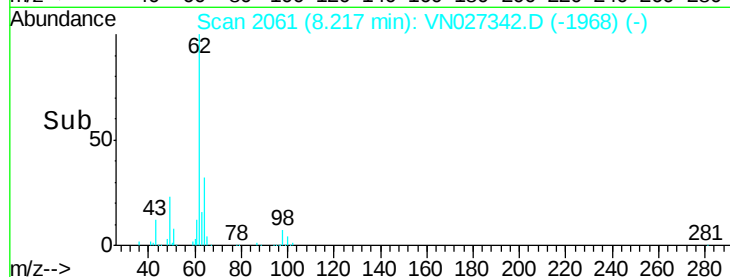
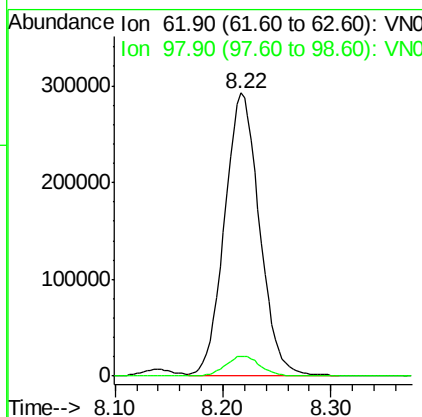
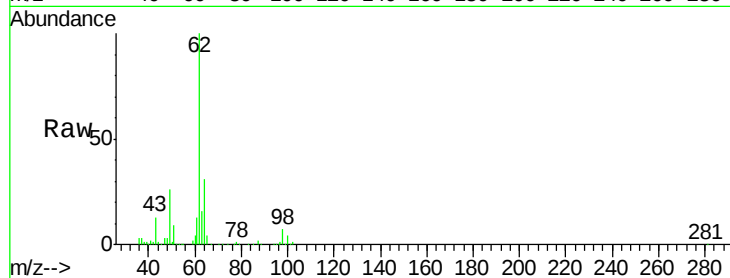
#43
 1,2-Dichloroethane
 Concen: 48.72 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
62	100	656040		
98	7.2	0.0	0.0	18.0

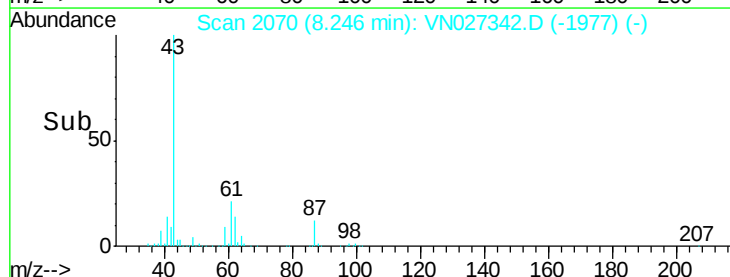
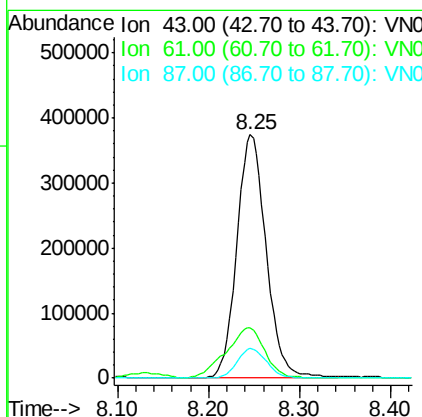
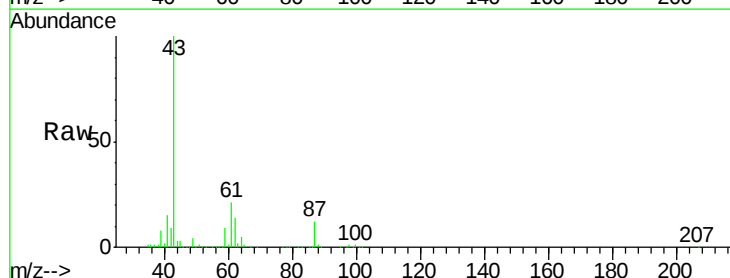
Manual Integrations
 APPROVED

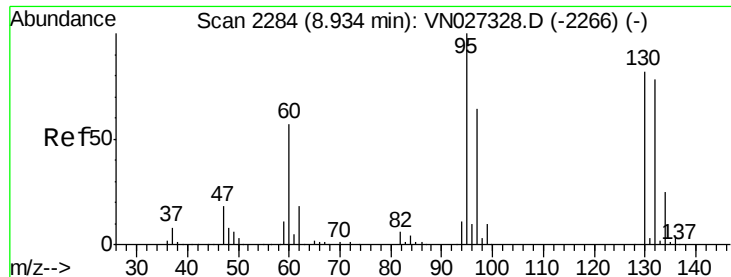
MMDadoda
 9/22/2015 2:28:48 PM



#44
 Isopropyl Acetate
 Concen: 49.79 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	836319		
61	27.1	20.6	20.6	31.0
87	12.4	8.6	8.6	13.0





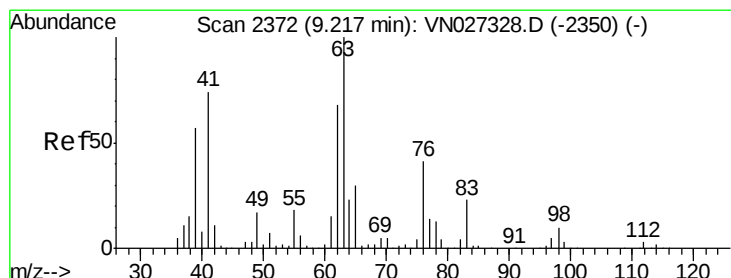
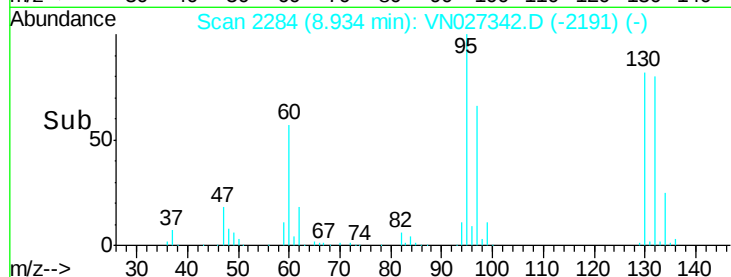
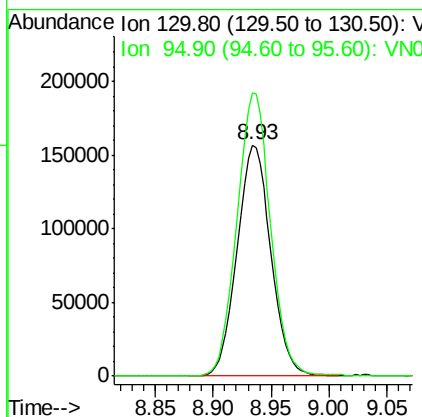
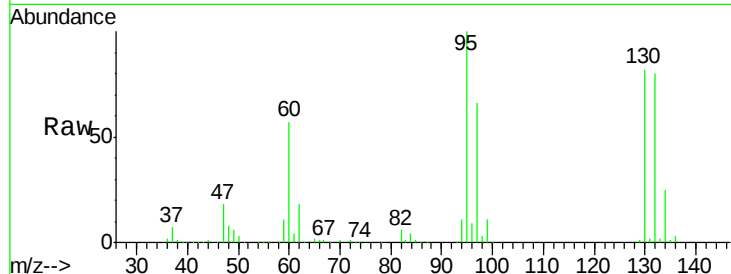
#45
 Trichloroethene
 Concen: 47.85 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100				
95	122.5	0.0	222.2		

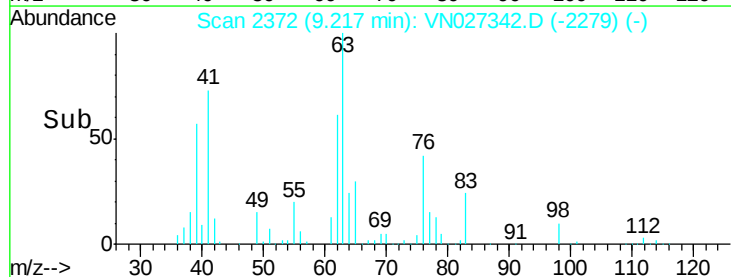
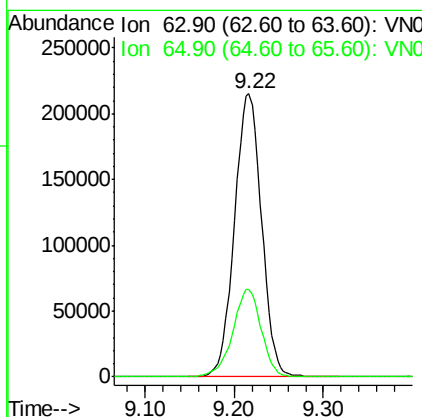
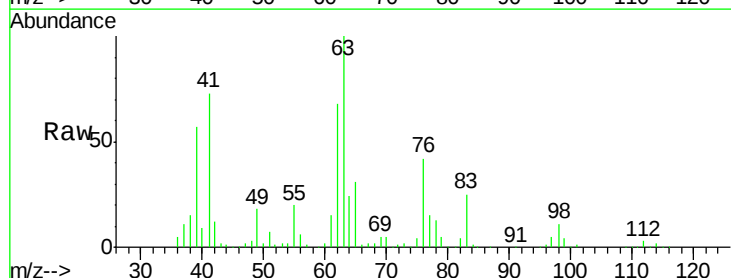
Manual Integrations
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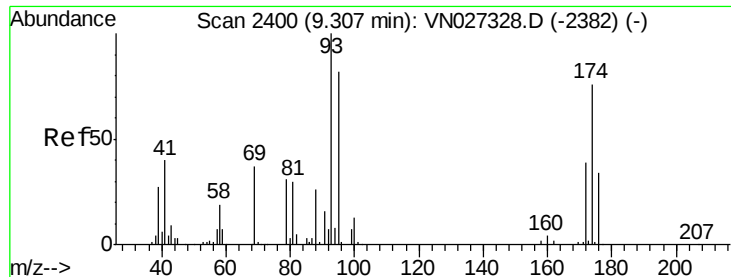
MMDadoda
 9/22/2015 2:28:48 PM



#46
 1,2-Dichloropropane
 Concen: 48.86 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100				
65	30.8	24.4	36.6		





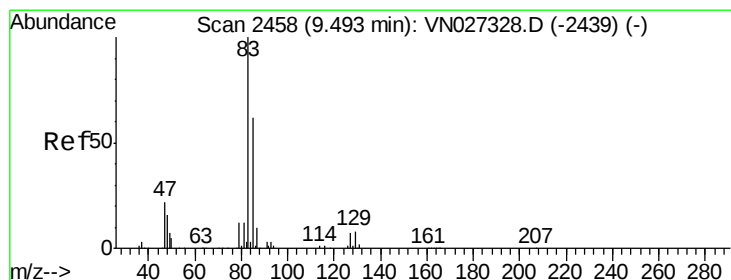
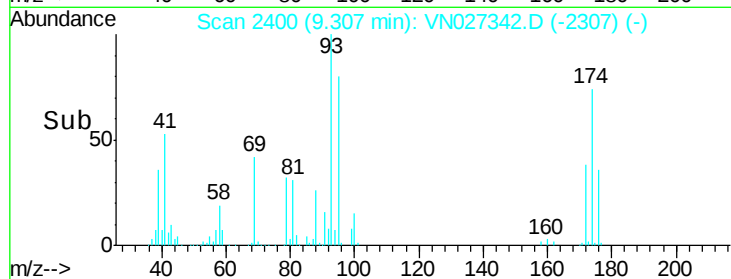
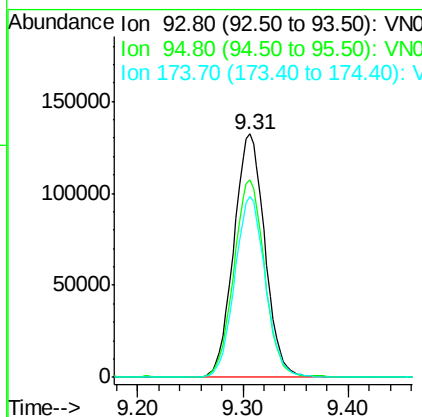
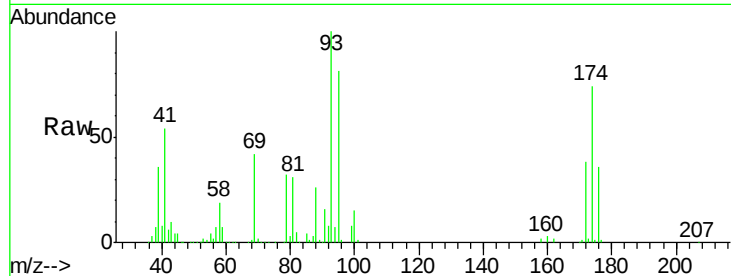
#47
 Dibromomethane
 Concen: 48.72 ug/l
 RT: 9.31 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
93	100	270329		
95	80.4	66.3	99.5	
174	73.1	67.8	101.6	

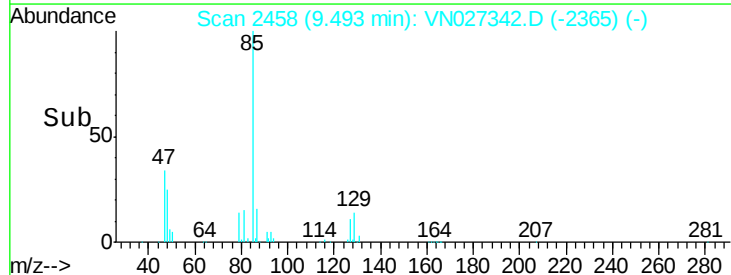
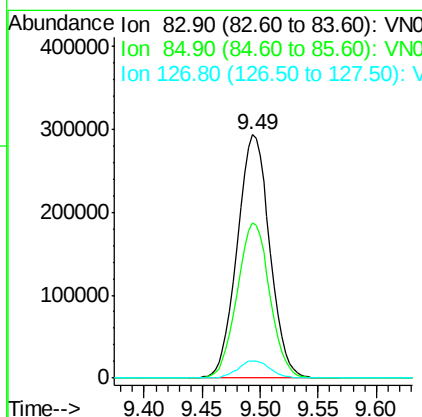
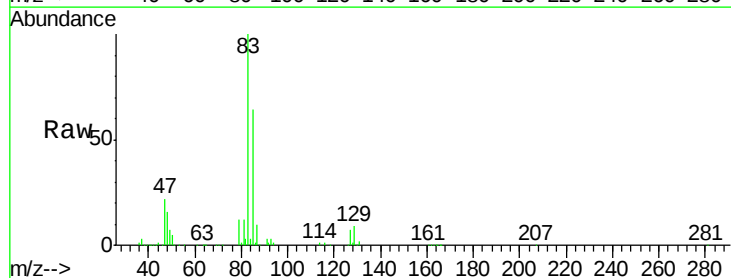
Manual Integrations
 APPROVED

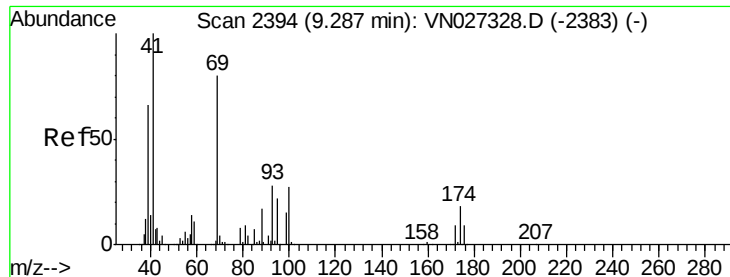
MMDadoda
 9/22/2015 2:28:48 PM



#48
 Bromodichloromethane
 Concen: 48.47 ug/l
 RT: 9.49 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	570443		
85	63.5	50.7	76.1	
127	7.1	5.5	8.3	





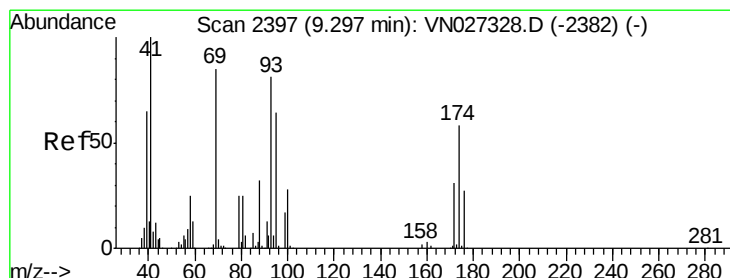
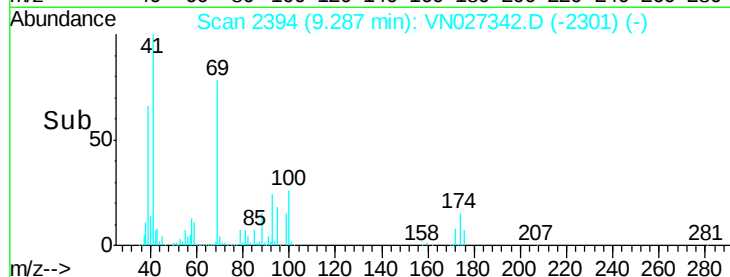
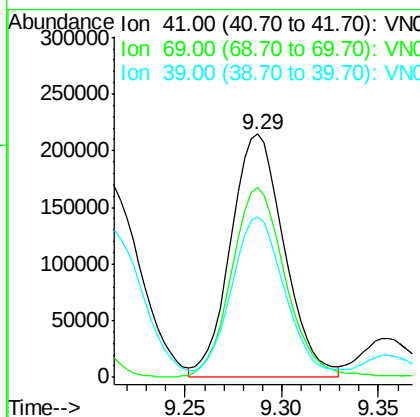
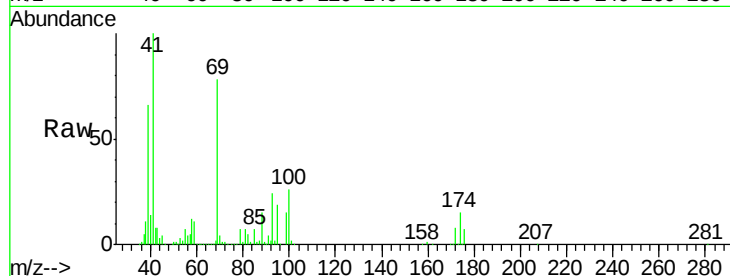
#49
Methvl methacrylate
Concen: 51.98 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
69	78.5	59.3	88.9
39	66.2	39.5	59.3#

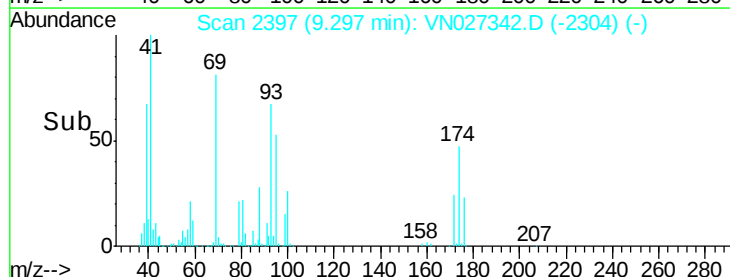
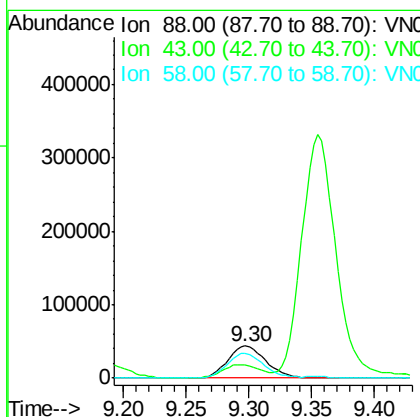
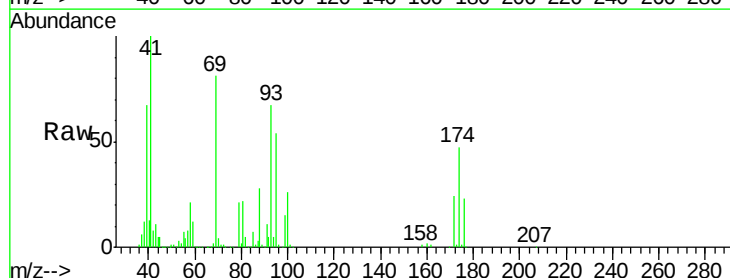
Manual Integrations
APPROVED

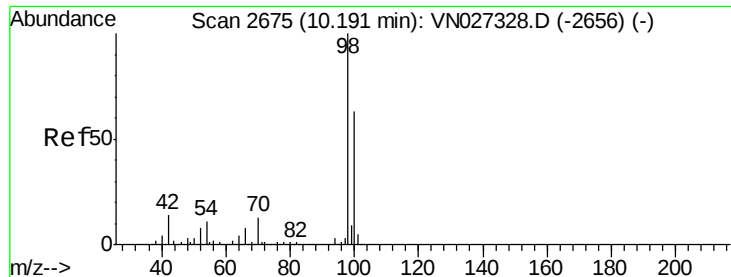
MMDadoda
9/22/2015 2:28:48 PM



#50
1,4-Dioxane
Concen: 963.58 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.6	27.6	41.4
58	75.9	63.1	94.7





#51

Toluene-d8

Concen: 48.71 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 98 Resp: 1297667

Ion Ratio Lower Upper

98 100

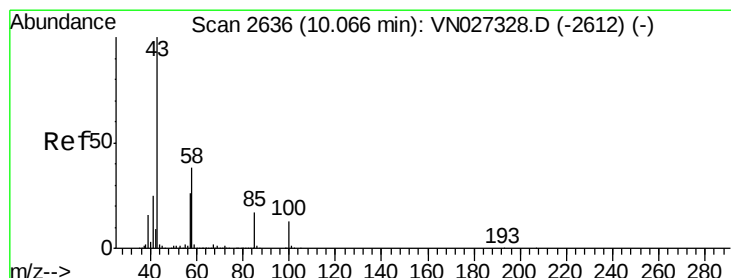
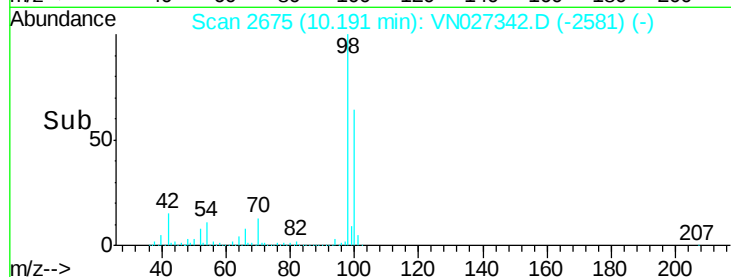
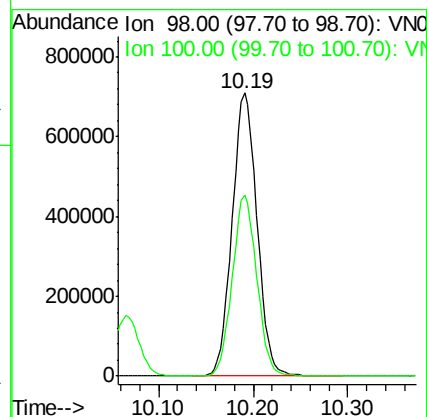
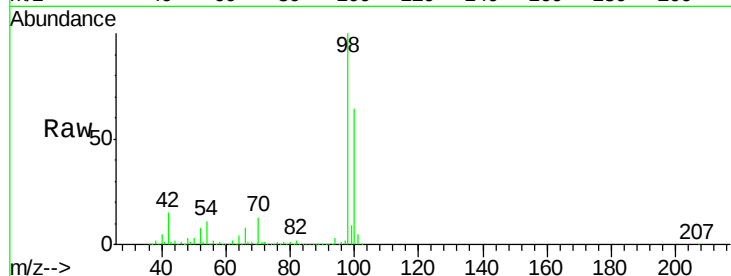
100 63.0 50.5 75.7

Manual Integrations

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#52

4-Methyl-2-Pentanone

Concen: 254.46 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VN027342.D

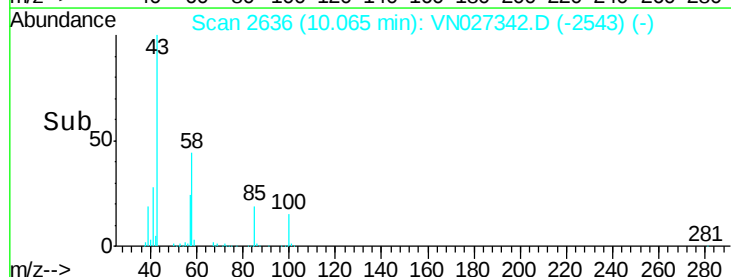
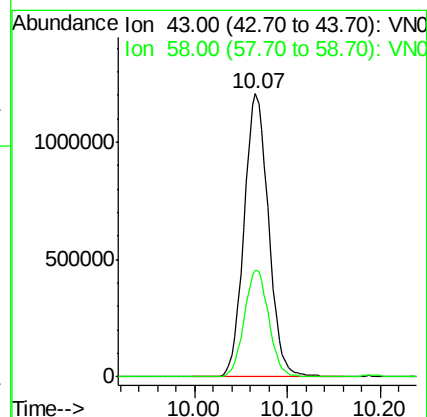
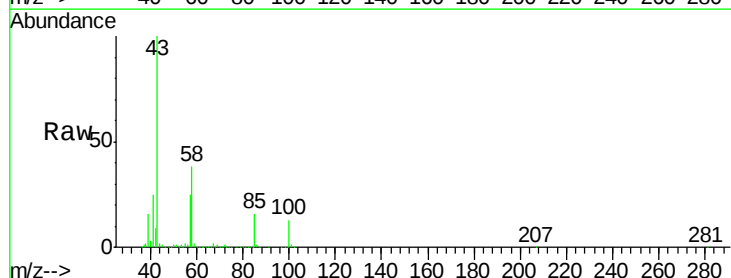
Acq: 21 Sep 2015 20:31

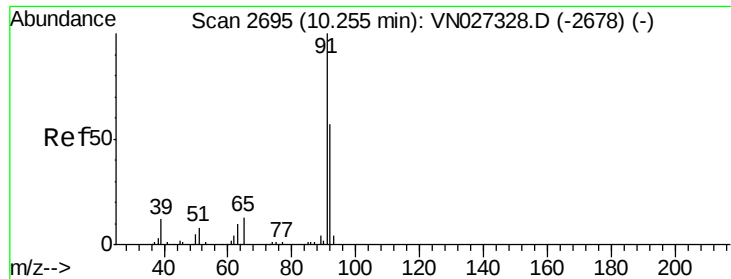
Tgt Ion: 43 Resp: 2198360

Ion Ratio Lower Upper

43 100

58 37.9 29.8 44.8





#53

Toluene

Concen: 47.94 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 92 Resp: 936627

Ion Ratio Lower Upper

92 100

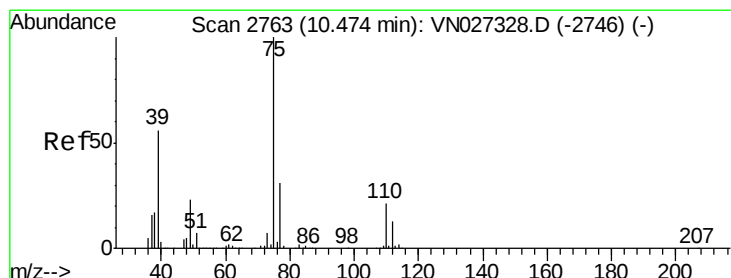
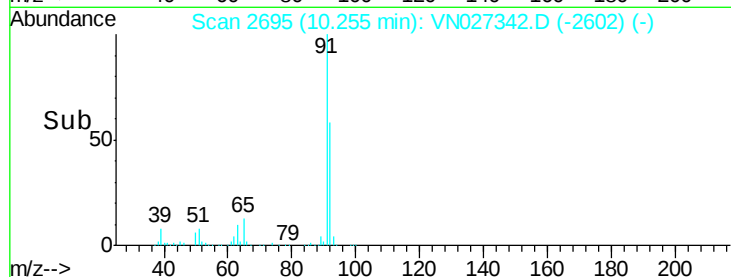
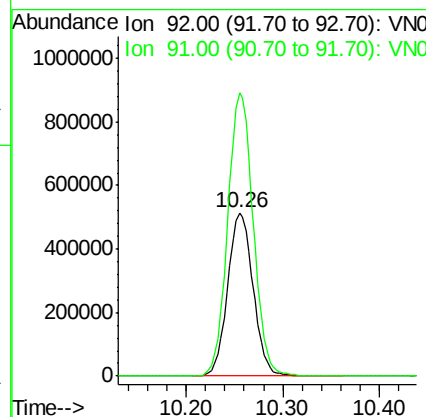
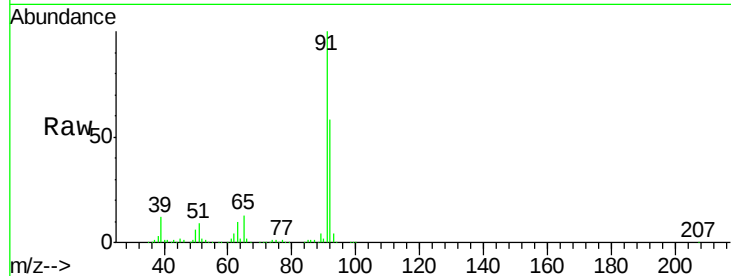
91 174.2 141.4 212.2

Manual Integrations

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#54

t-1,3-Dichloropropene

Concen: 49.11 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VN027342.D

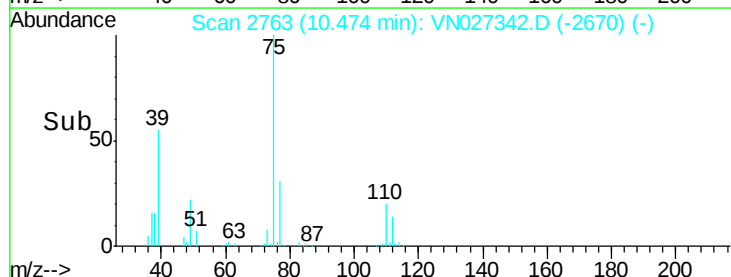
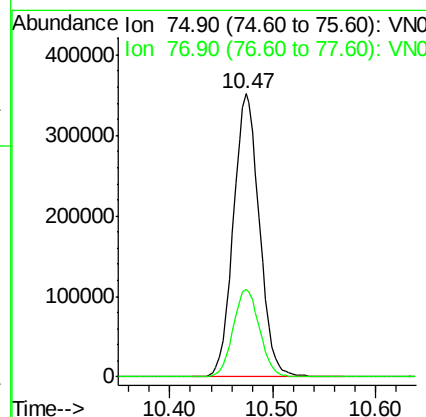
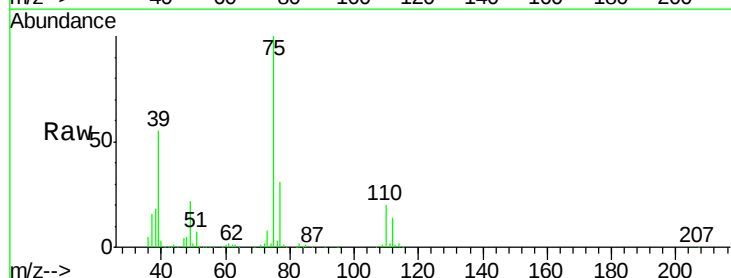
Acq: 21 Sep 2015 20:31

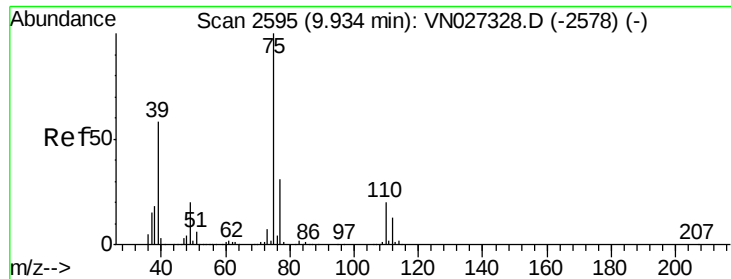
Tgt Ion: 75 Resp: 616876

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 48.84 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

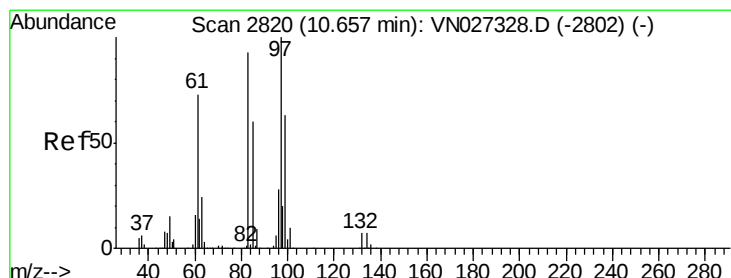
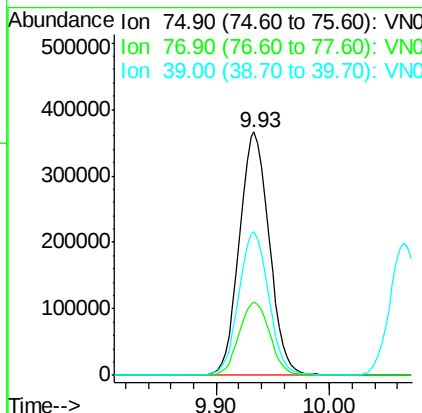
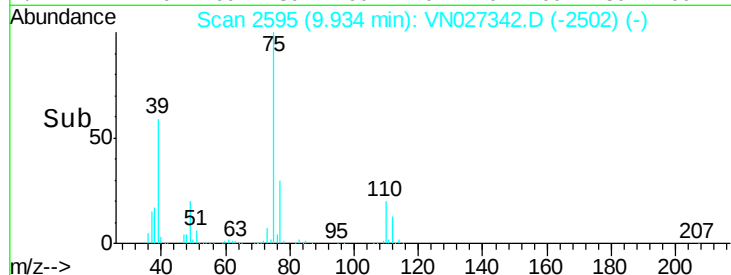
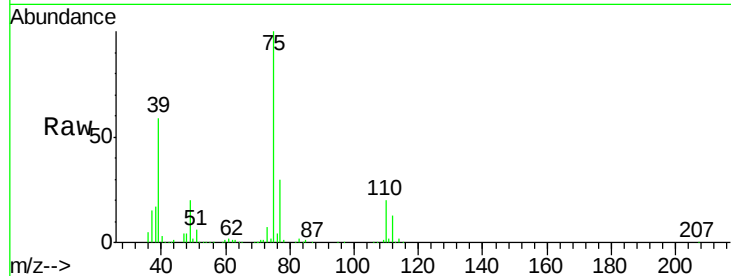
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	673998
Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.6	38.4
39	58.8	41.6	62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 49.19 ug/l

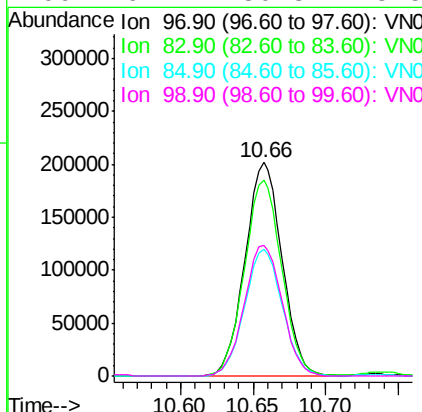
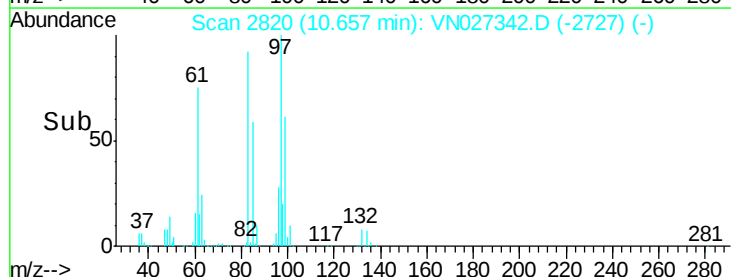
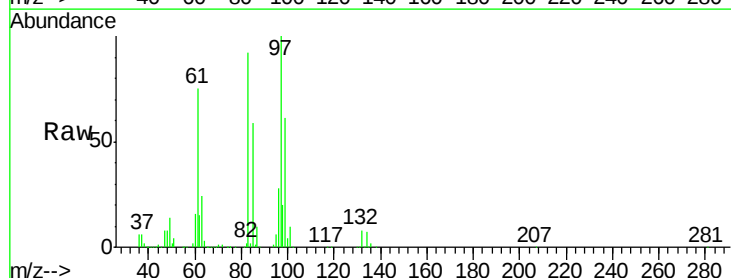
RT: 10.66 min Scan# 2820

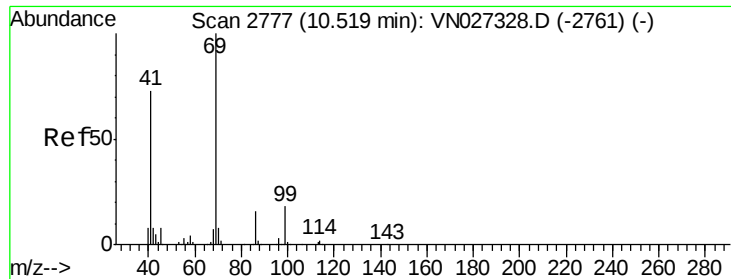
Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Tgt Ion:	97	Resp:	358437
Ion	Ratio	Lower	Upper
97	100		
83	91.9	75.0	112.4
85	59.3	48.0	72.0
99	61.4	50.3	75.5





#57

Ethyl methacrylate

Concen: 50.25 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

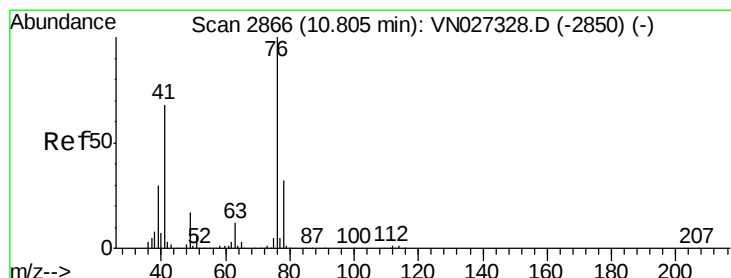
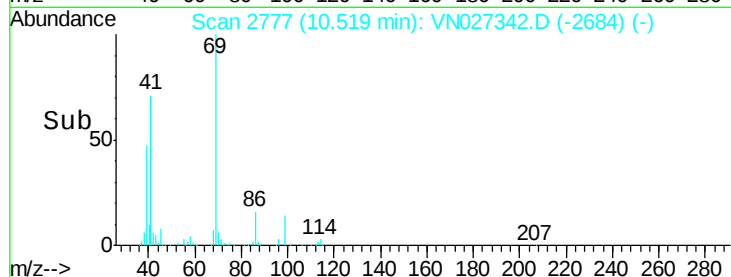
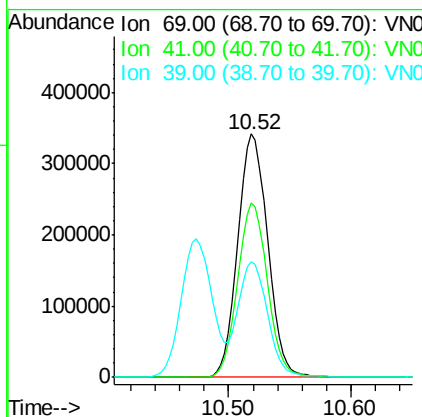
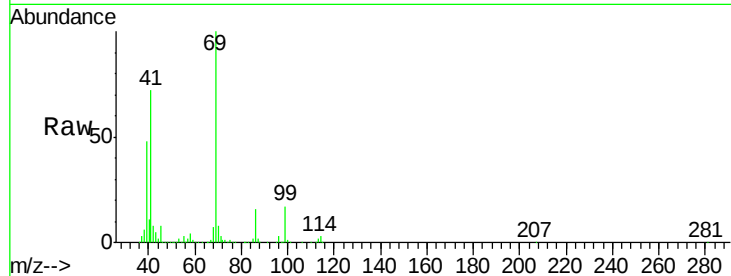
ClientSampleId :

VSTDCCC050EC

Tot Ion:	69	Resp:	581089
Ion	Ratio	Lower	Upper
69	100		
41	70.4	61.3	91.9
39	47.5	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 49.13 ug/l

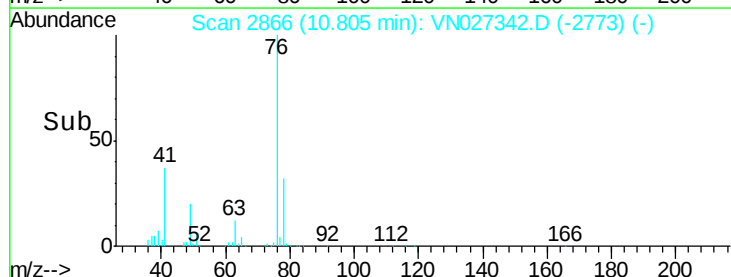
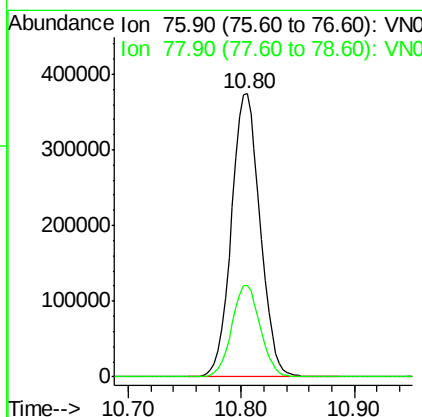
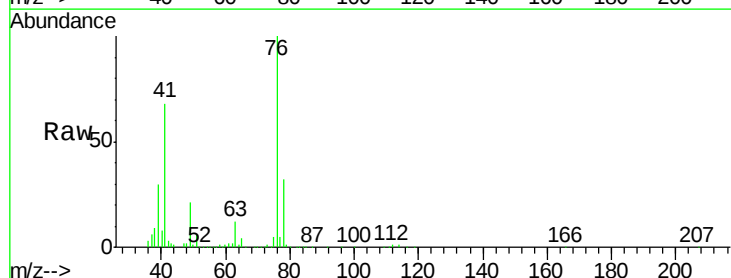
RT: 10.80 min Scan# 2866

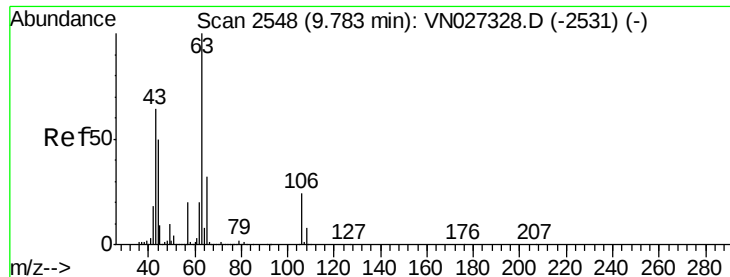
Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Tgt Ion:	76	Resp:	659915
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.0	37.6





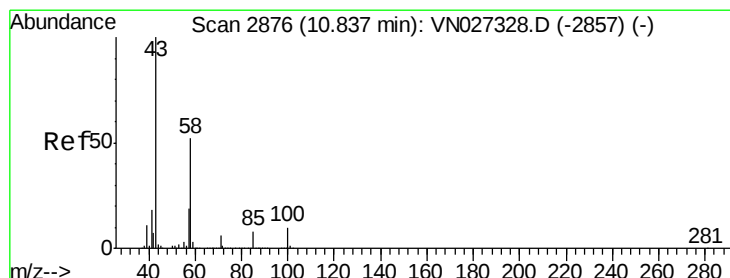
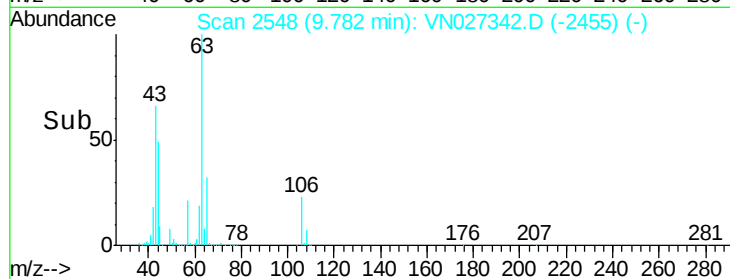
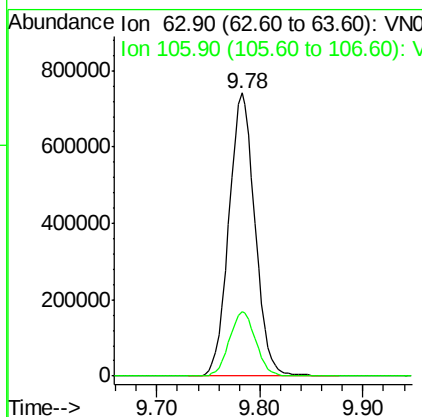
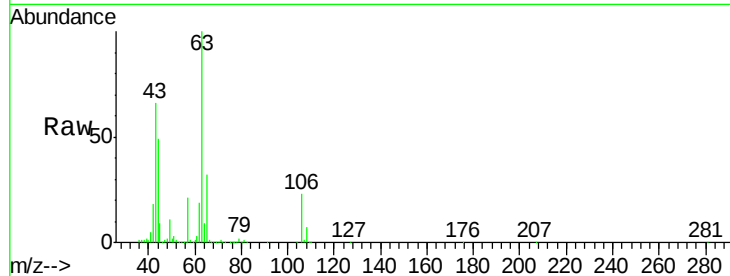
#59
 2-Chloroethyl Vinyl ether
 Concen: 254.70 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 1305373
 Ion Ratio Lower Upper
 63 100
 106 23.1 17.7 26.5

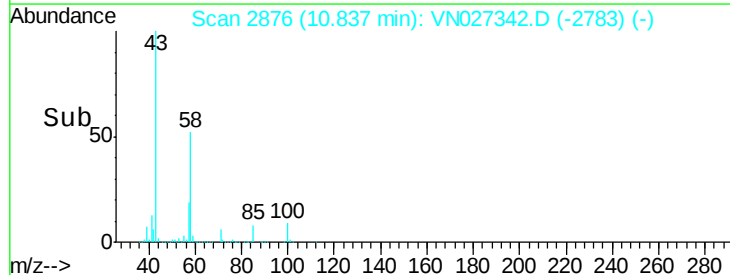
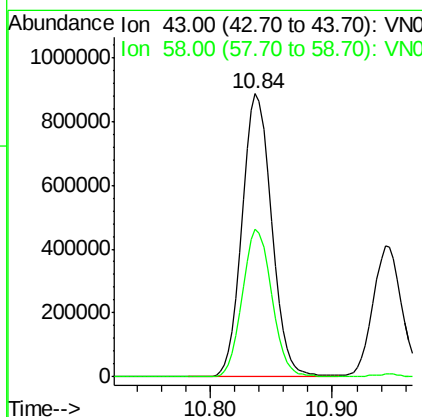
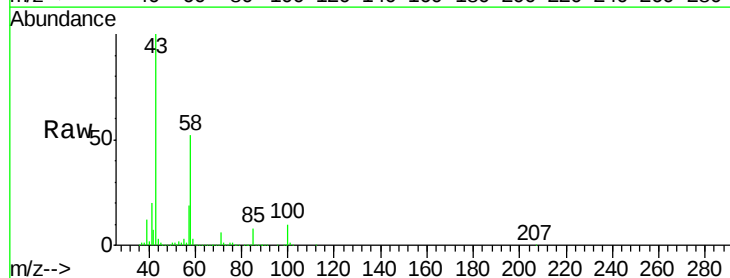
Manual Integrations
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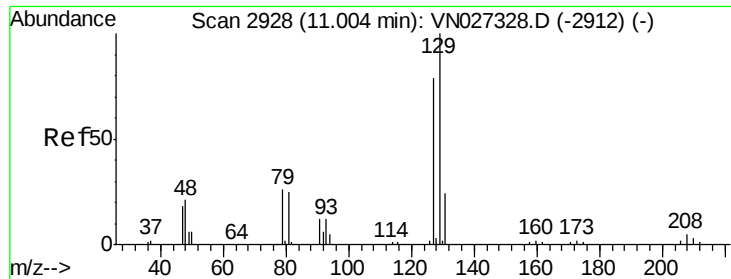
MMDadoda
 9/22/2015 2:28:48 PM



#60
 2-Hexanone
 Concen: 251.36 ug/l
 RT: 10.84 min Scan# 2876
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion: 43 Resp: 1475872
 Ion Ratio Lower Upper
 43 100
 58 52.1 26.2 78.5





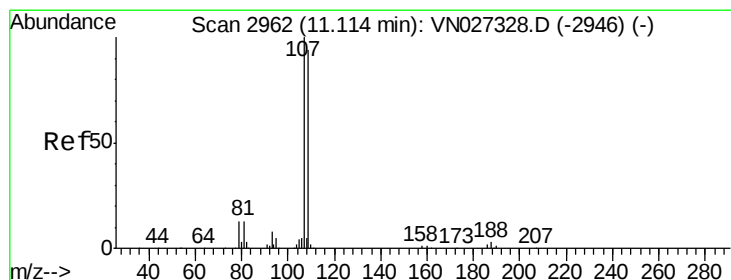
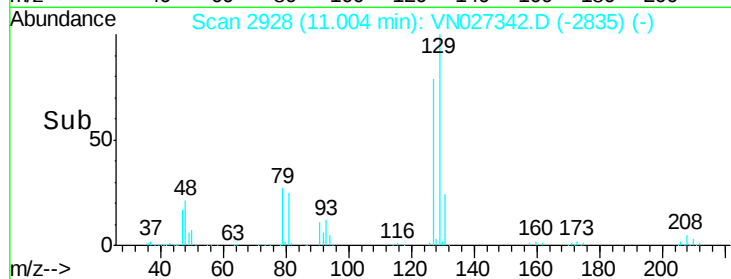
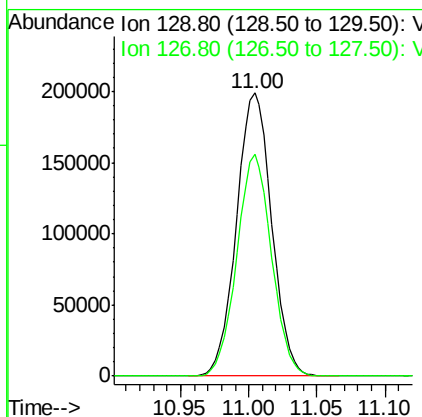
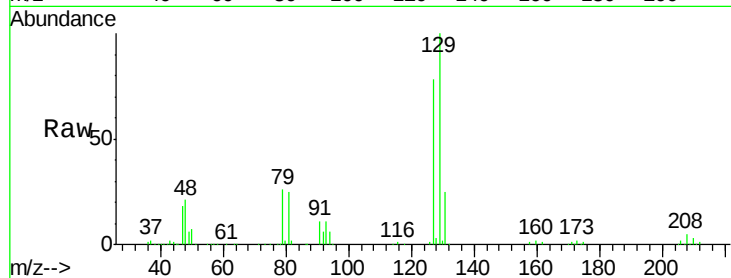
#61
 Dibromochloromethane
 Concen: 49.84 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.2

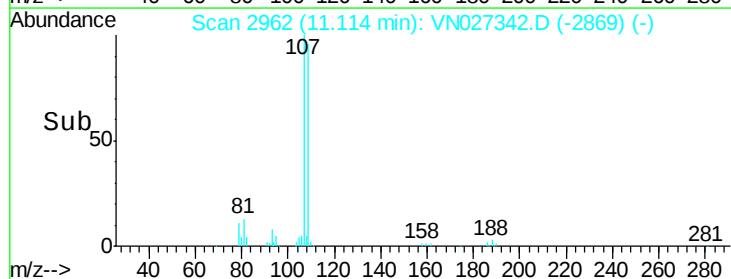
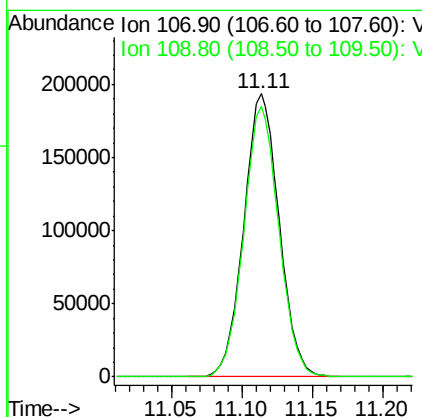
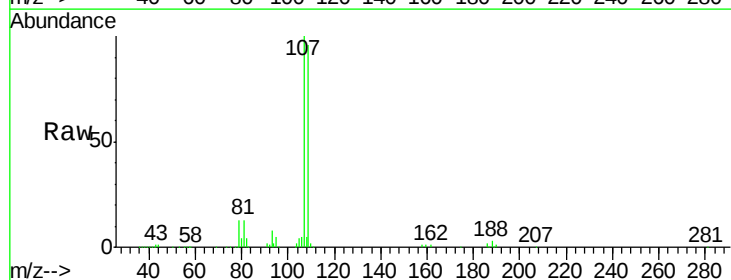
Manual Integrations
 APPROVED

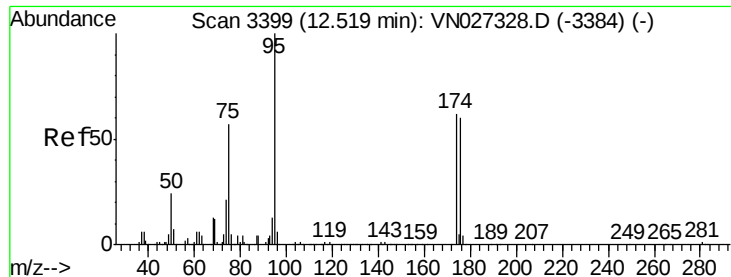
MMDadoda
 9/22/2015 2:28:48 PM



#62
 1,2-Dibromoethane
 Concen: 49.09 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.6	113.4





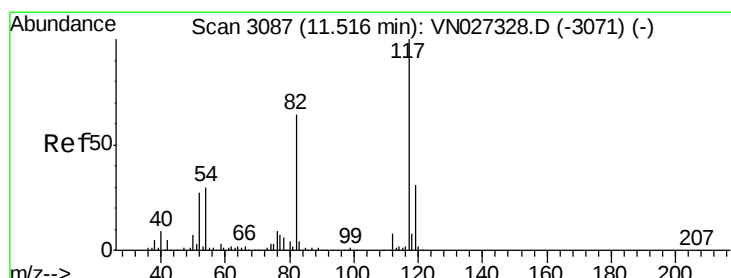
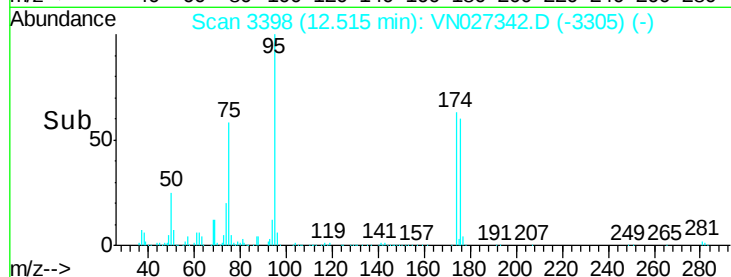
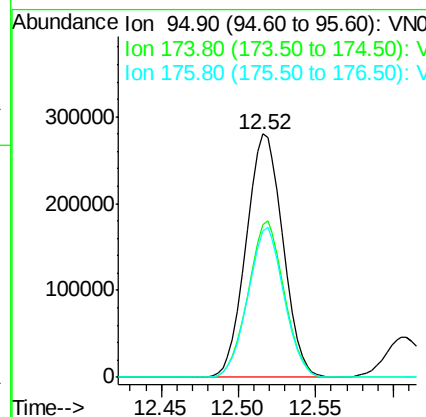
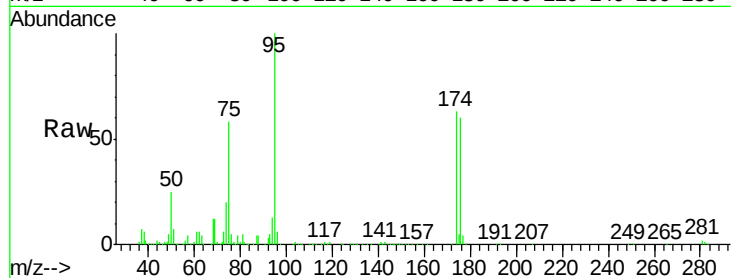
#63
4-Bromofluorobenzene
Concen: 47.91 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100	463706		
174	62.8	0.0	137.0	
176	60.2	0.0	130.8	

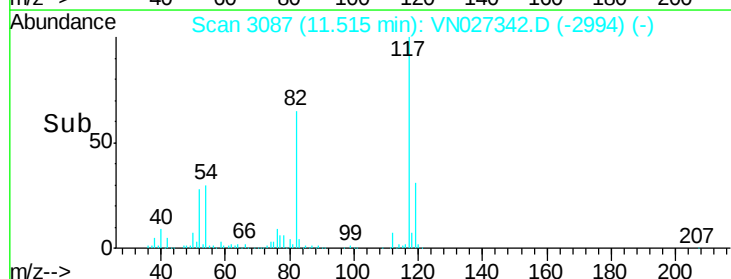
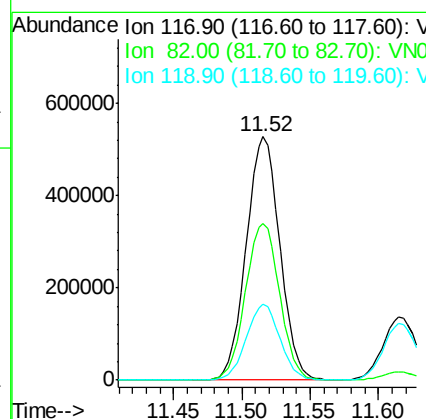
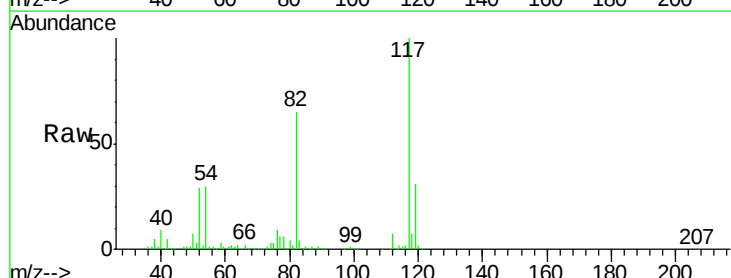
Manual Integrations
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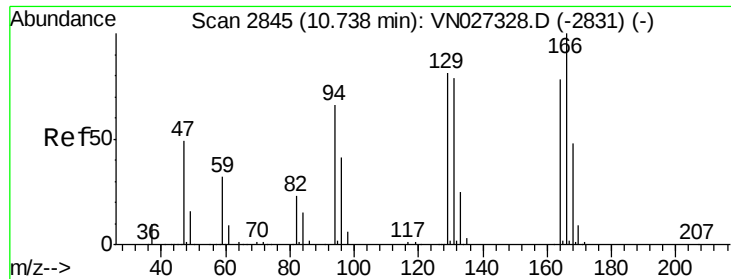
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	902793		
82	64.6	49.6	74.4	
119	31.0	24.6	36.8	





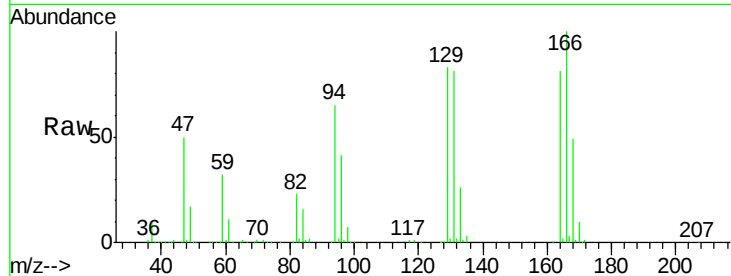
#65
Tetrachloroethene
Concen: 47.16 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	123.9	103.4	155.0	
129	103.0	77.5	116.3	
131	99.8	74.2	111.4	

Manual Integrations
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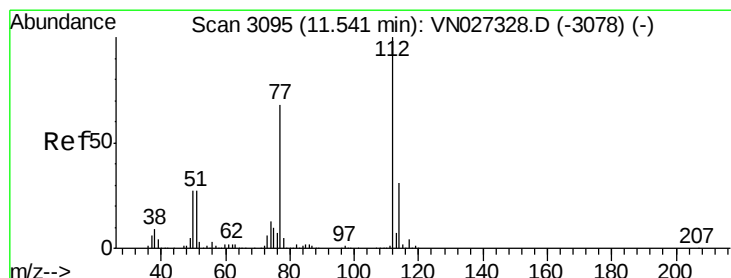
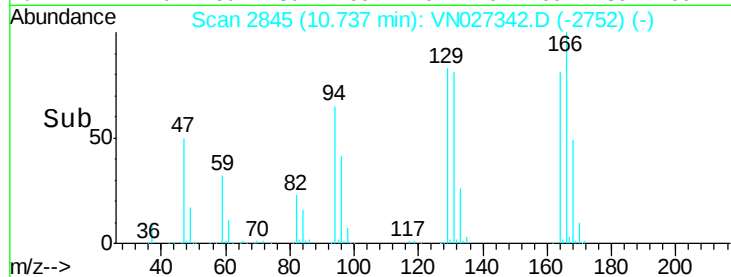
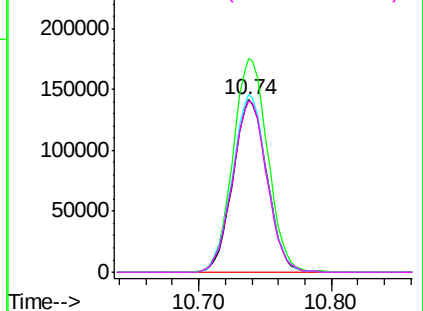
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

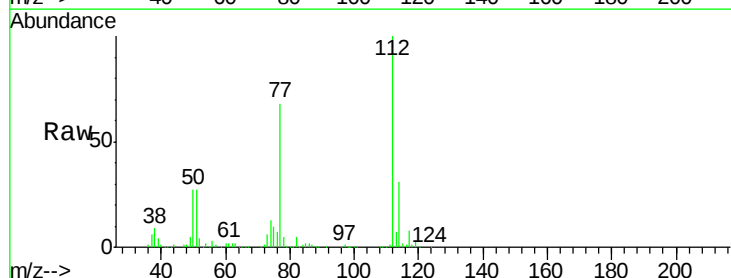
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#66
Chlorobenzene
Concen: 48.30 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

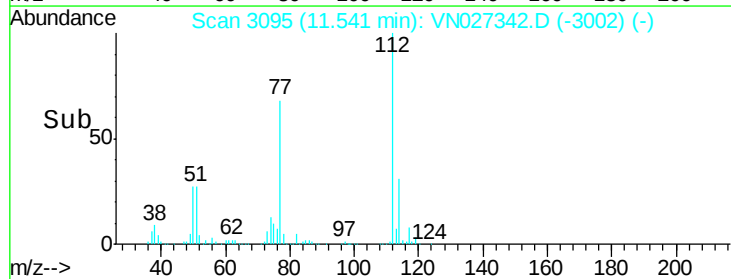
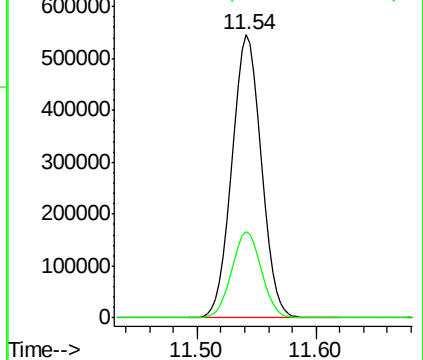
Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	30.7	24.9	37.3	

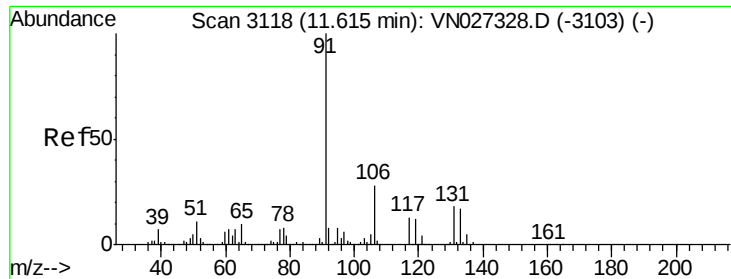


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





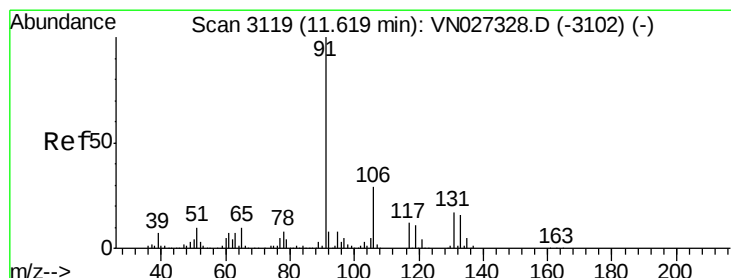
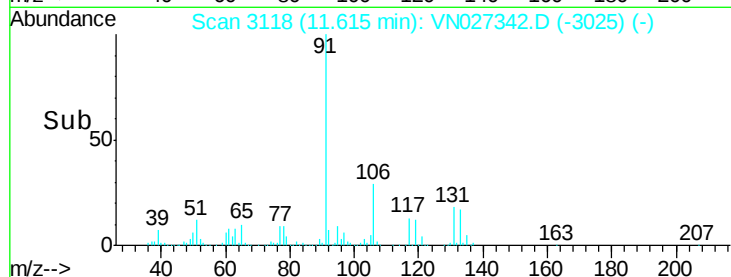
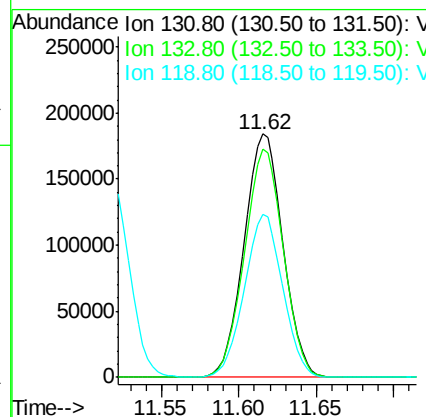
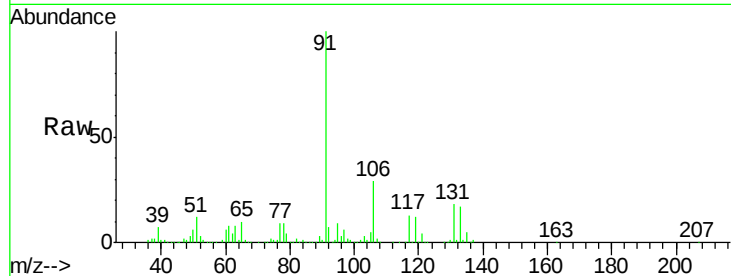
#67
 1,1,1,2-Tetrachloroethane
 Concen: 49.51 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100			
133	93.9	47.0	141.2	
119	66.1	35.1	105.5	

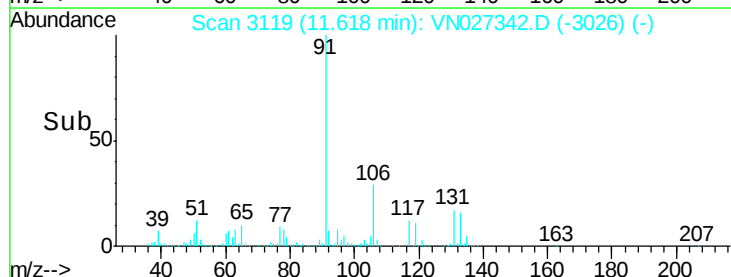
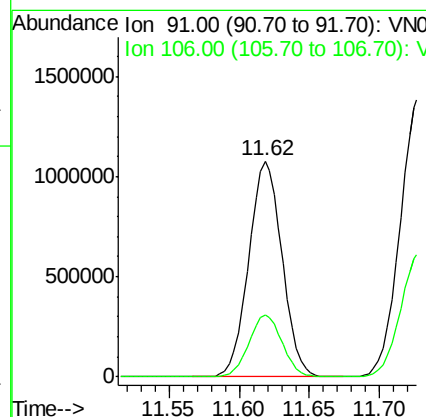
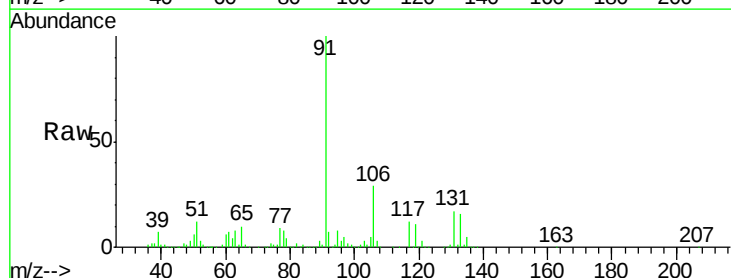
Manual Integrations
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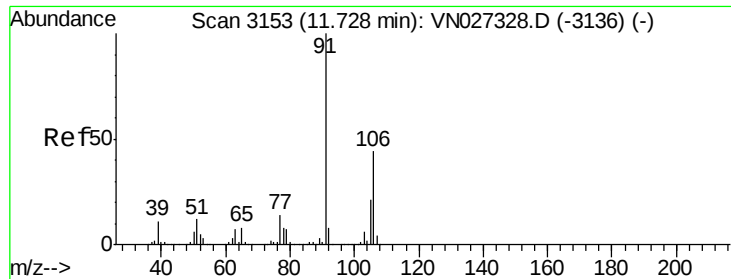
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#68
 Ethyl Benzene
 Concen: 48.79 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	28.6	23.1	34.7	





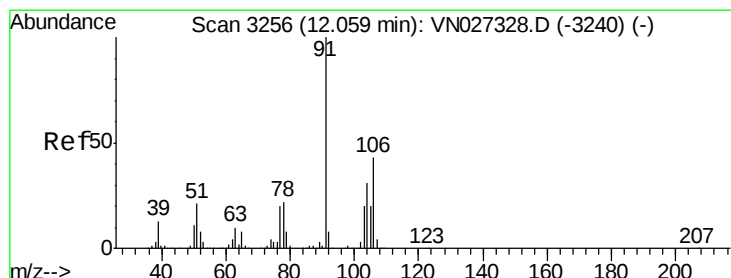
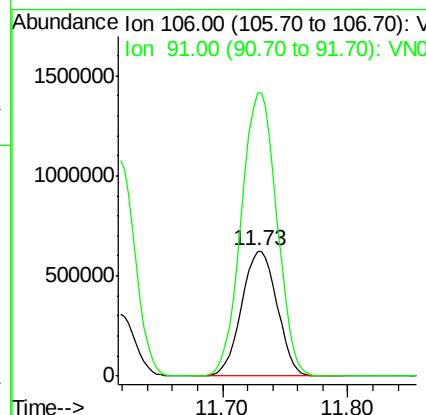
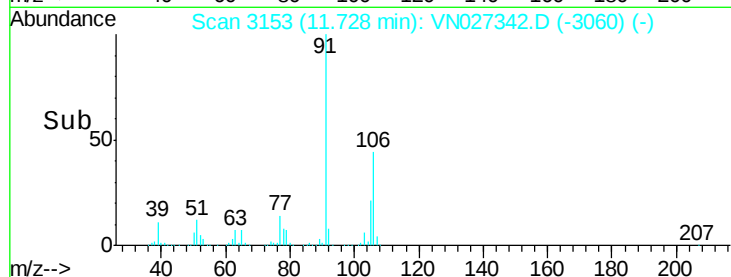
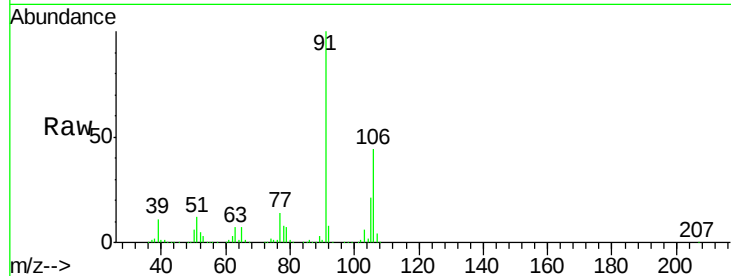
#69
m/p-Xylenes
Concen: 97.24 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1230792
Ion Ratio Lower Upper
106 100
91 226.5 167.1 250.7

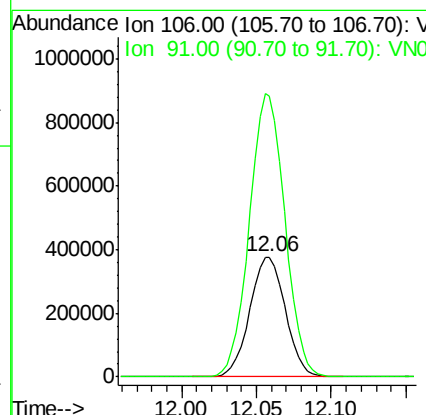
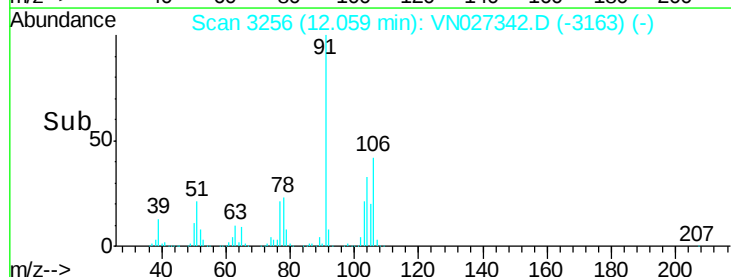
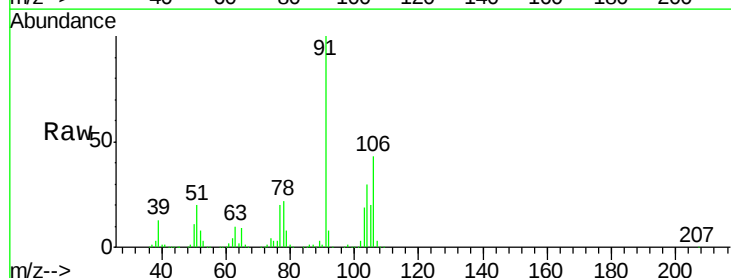
Manual Integrations
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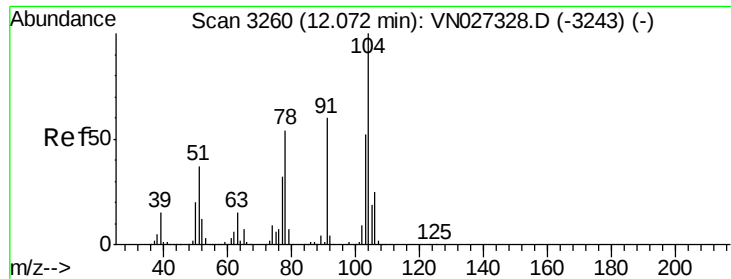
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#70
o-Xylene
Concen: 48.88 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion:106 Resp: 625148
Ion Ratio Lower Upper
106 100
91 234.8 110.7 331.9





#71

Stvrene

Concen: 50.12 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:104 Resp: 1020580

Ion Ratio Lower Upper

104 100

78 58.8 41.6 62.4

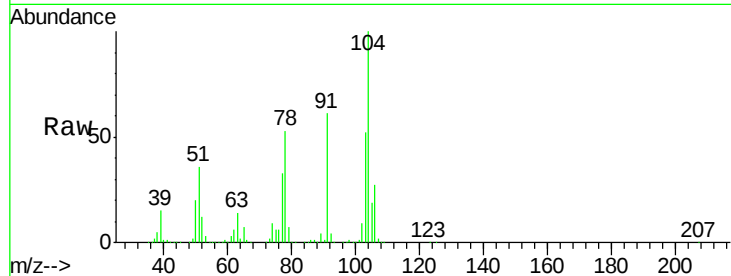
103 55.5 44.2 66.2

Manual Integrations

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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

800000

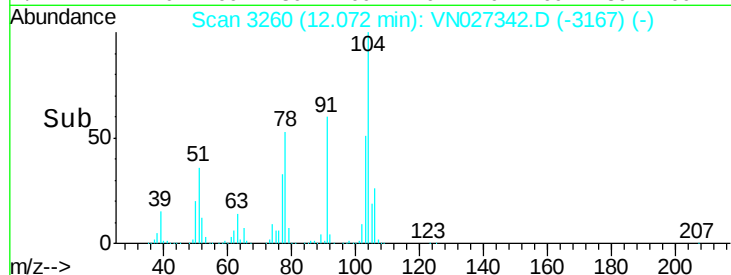
600000

400000

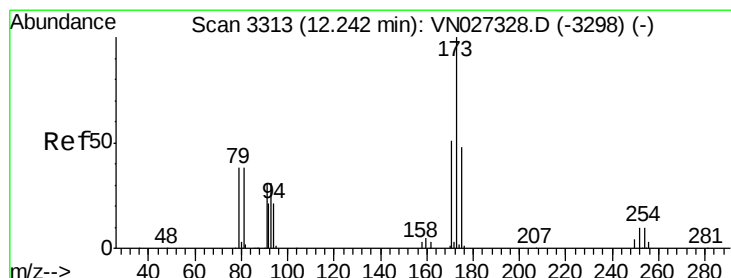
200000

0

12.00 12.10 12.20



Time-->



#72

Bromoform

Concen: 49.07 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

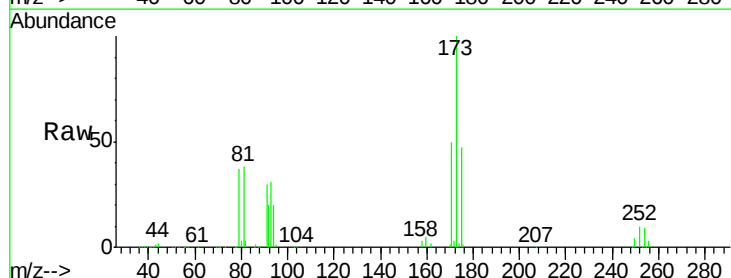
Tgt Ion:173 Resp: 213820

Ion Ratio Lower Upper

173 100

175 47.4 24.4 73.4

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

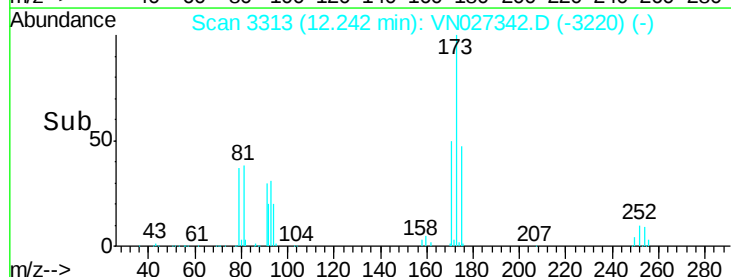
150000

100000

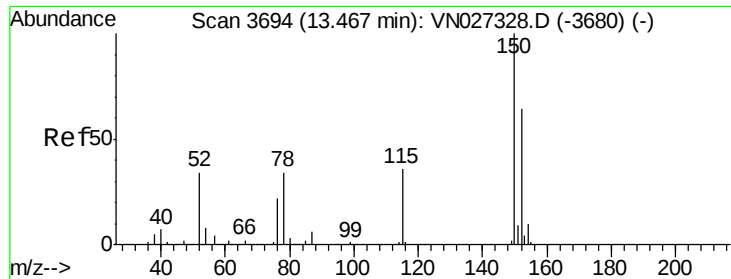
50000

0

12.15 12.20 12.25 12.30



Time-->



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:152 Resp: 351572

Ion Ratio Lower Upper

152 100

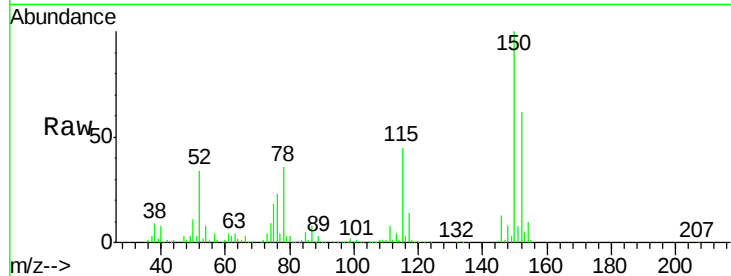
115 69.9 30.8 92.3

150 175.3 0.0 345.0

Manual Integrations
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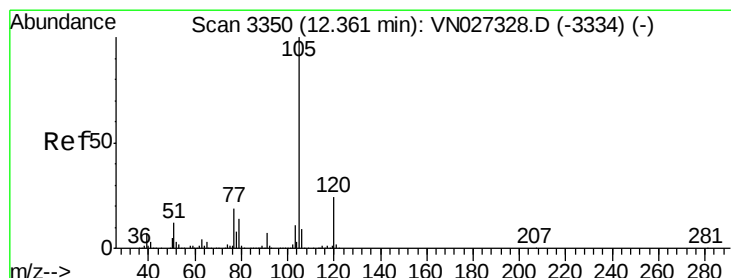
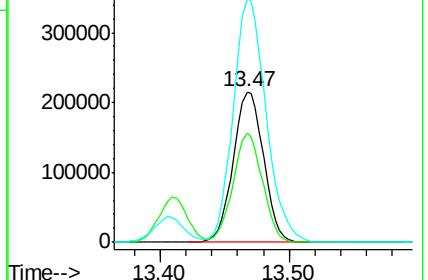
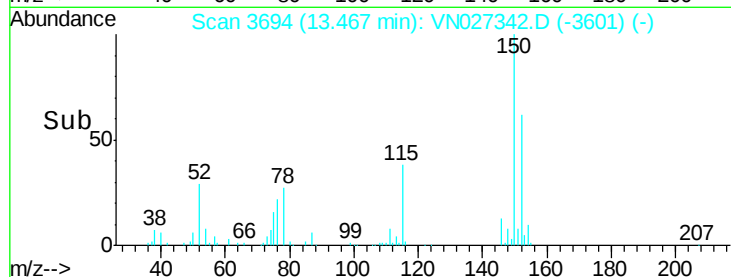
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 47.65 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VN027342.D

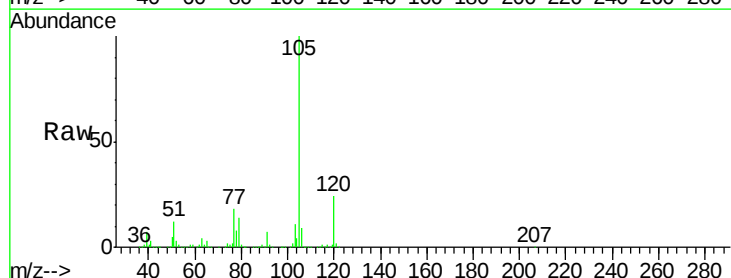
Acq: 21 Sep 2015 20:31

Tgt Ion:105 Resp: 1678103

Ion Ratio Lower Upper

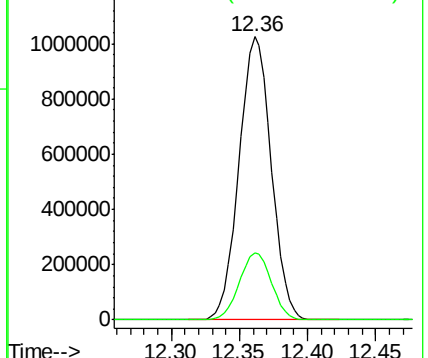
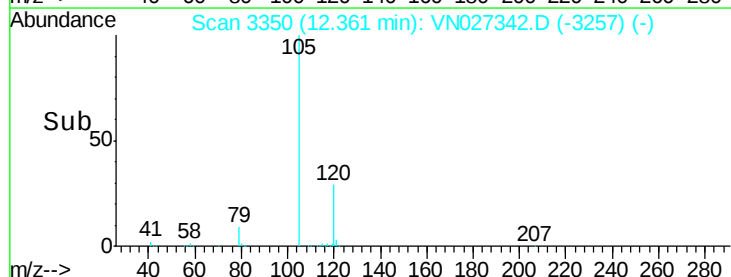
105 100

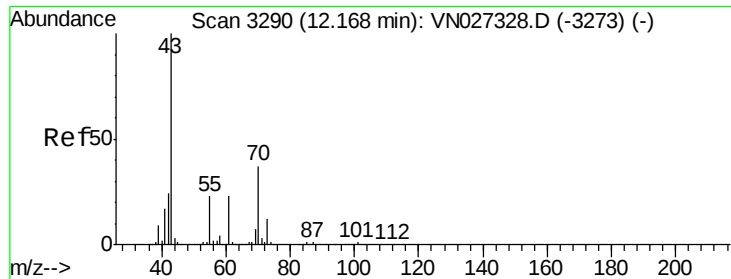
120 23.7 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





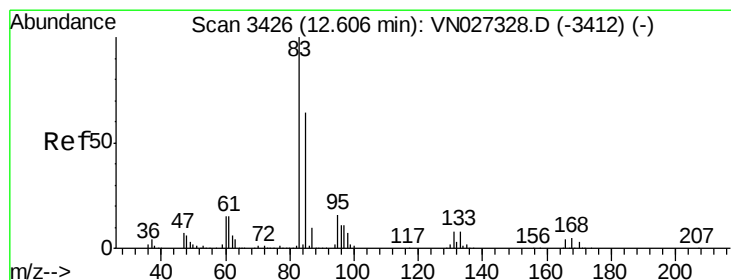
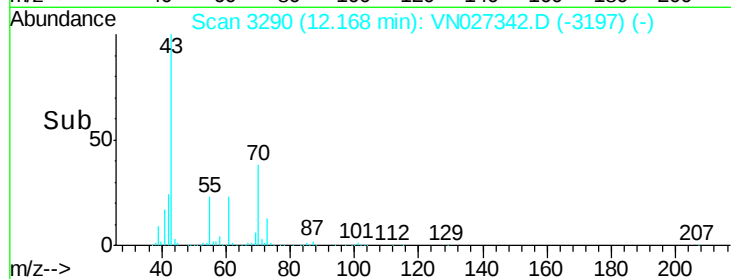
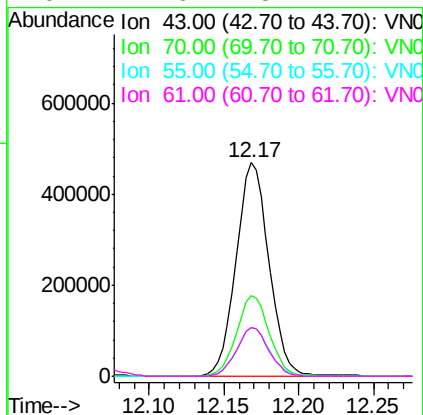
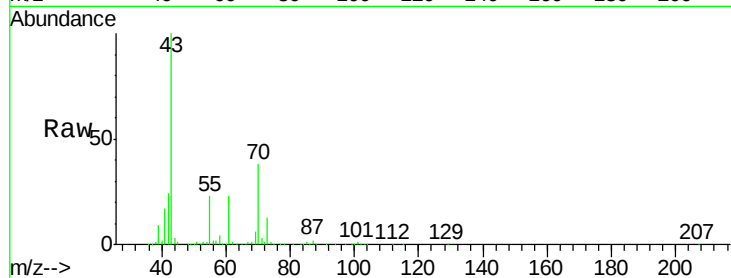
#75
N-amyl acetate
Concen: 51.22 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	37.9	29.8	44.8	
55	23.0	19.4	29.0	
61	22.6	18.2	27.2	

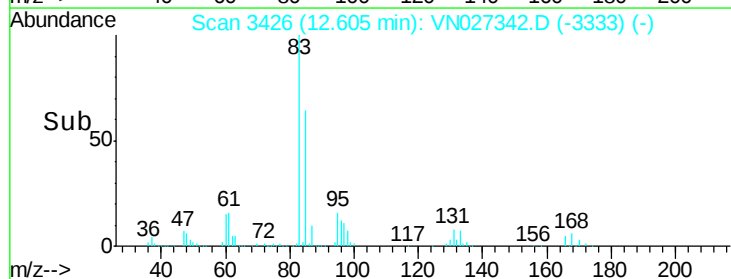
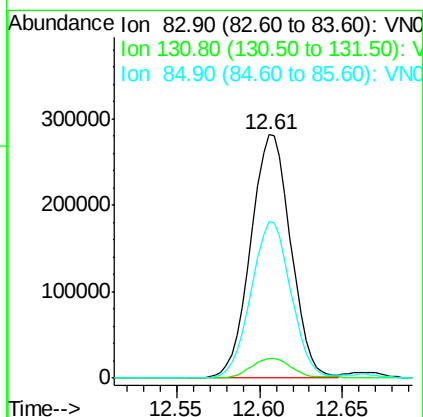
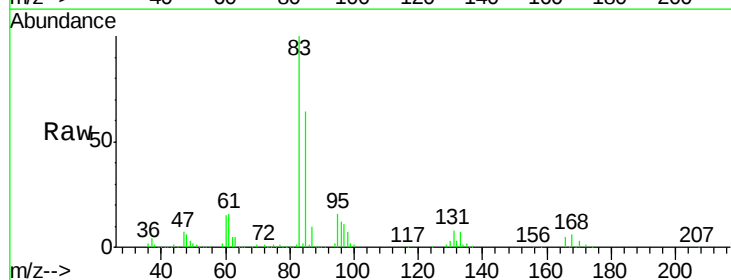
Manual Integrations
APPROVED

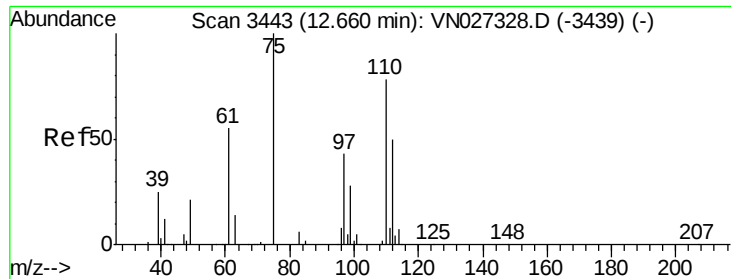
MMDadoda
9/22/2015 2:28:48 PM



#76
1,1,2,2-Tetrachloroethane
Concen: 47.82 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	8.3	4.1	12.3	
85	64.0	31.9	95.7	





#77

1,2,3-Trichloropropane

Concen: 50.96 ug/l m

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 449850

Ion Ratio Lower Upper

75 100

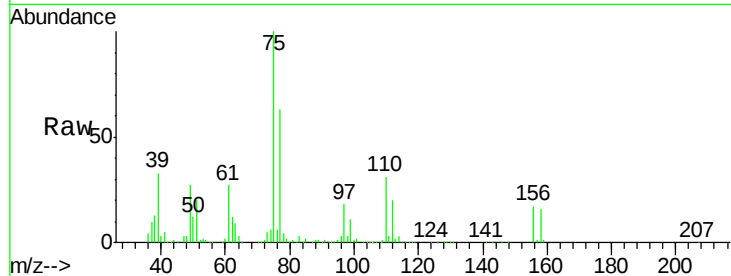
77 195.5 103.1 309.3

Manual Integrations

APPROVED

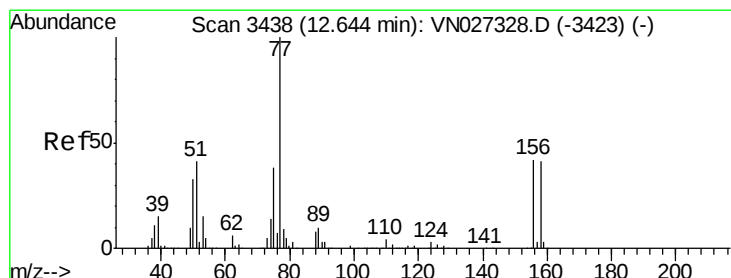
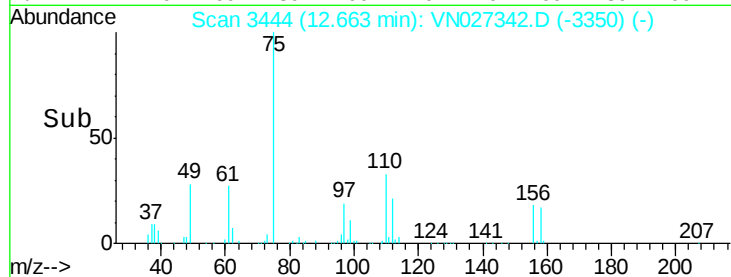
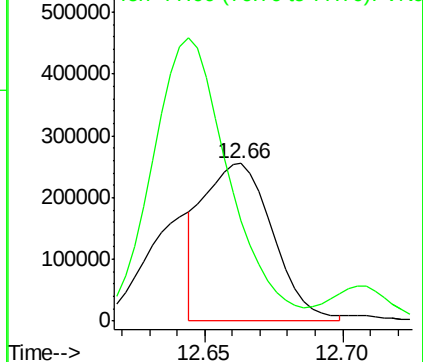
MMDadoda

9/22/2015 2:28:48 PM



Abundance Ion 74.90 (74.60 to 75.60): VN027342.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN027342.D (-3350) (-)



#78

Bromobenzene

Concen: 47.76 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

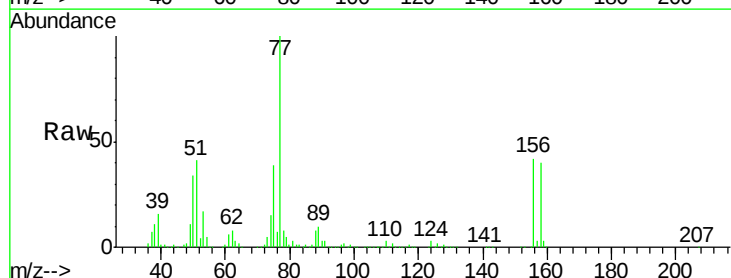
Tgt Ion: 156 Resp: 329154

Ion Ratio Lower Upper

156 100

77 267.2 127.3 381.9

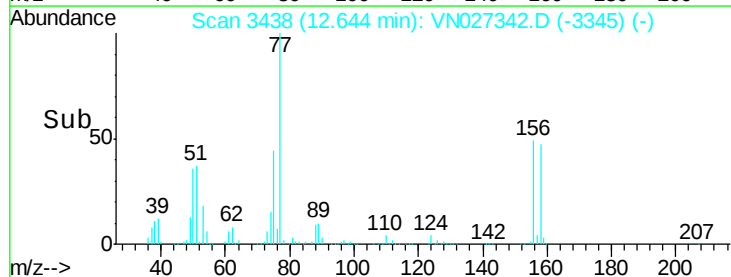
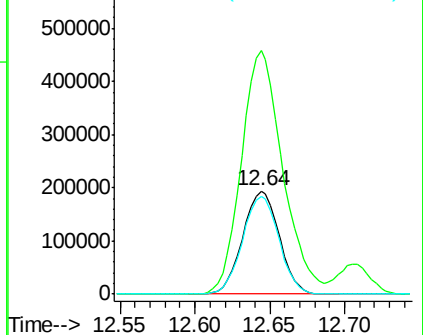
158 95.0 48.0 144.2

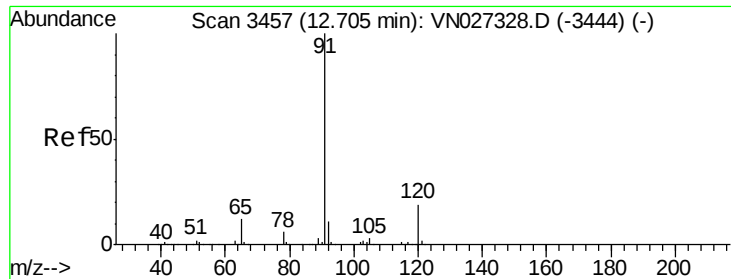


Abundance Ion 155.80 (155.50 to 156.50): VN027342.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN027342.D (-3345) (-)

Ion 157.80 (157.50 to 158.50): VN027342.D (-3345) (-)





#79

n-propylbenzene

Concen: 47.84 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2009690

Ion Ratio Lower Upper

91 100

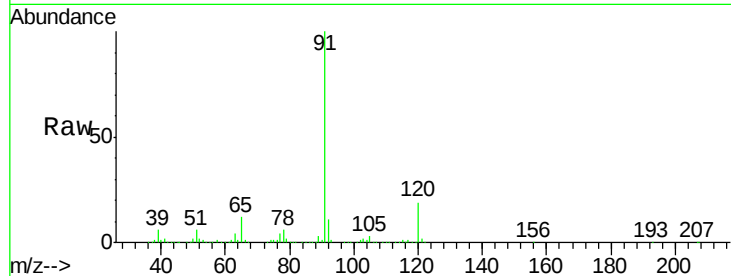
120 19.3 10.3 30.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN0

1500000 Ion 120.00 (119.70 to 120.70): V

1200000

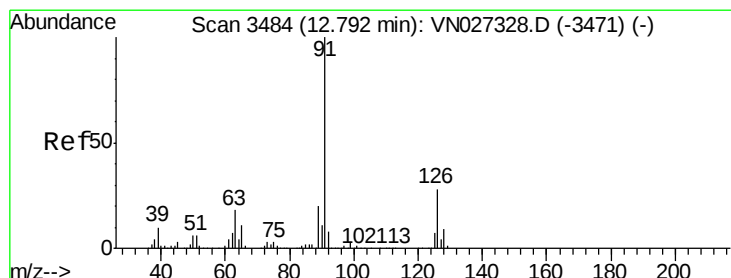
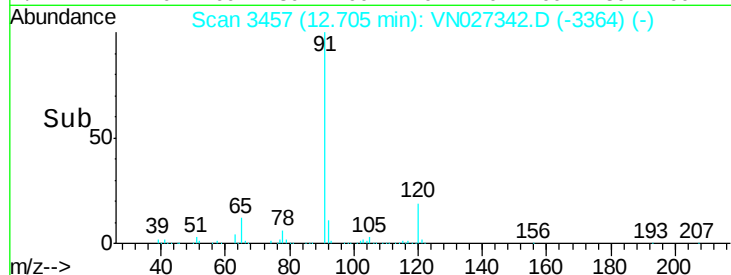
1000000

500000

0

12.65 12.70 12.75

Time-->



#80

2-Chlorotoluene

Concen: 47.09 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. -0.00 min

Lab File: VN027342.D

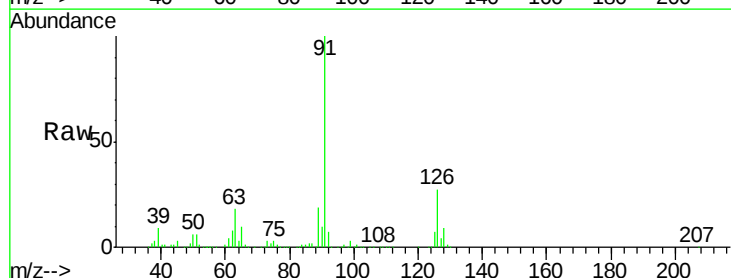
Acq: 21 Sep 2015 20:31

Tgt Ion: 91 Resp: 1209306

Ion Ratio Lower Upper

91 100

126 27.2 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

1000000 Ion 125.90 (125.60 to 126.60): V

800000

600000

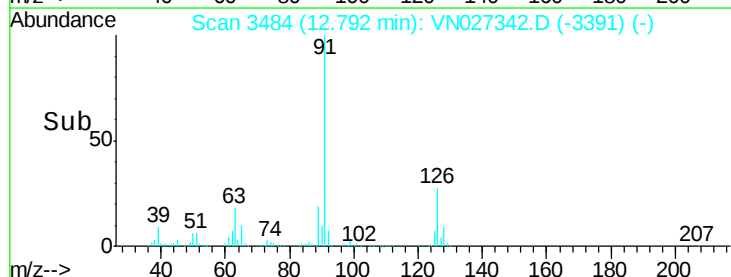
400000

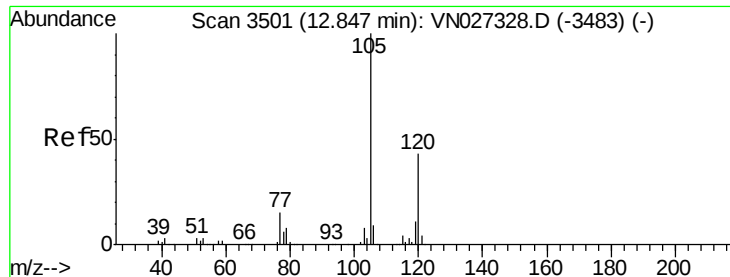
200000

0

12.75 12.80

Time-->





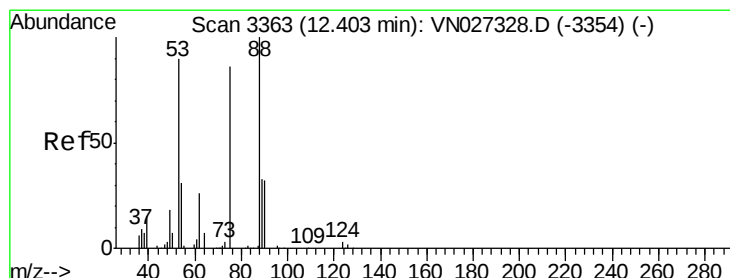
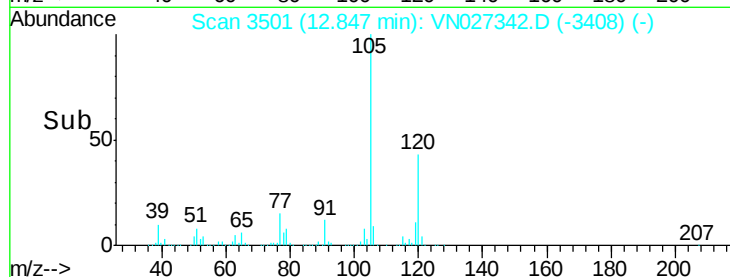
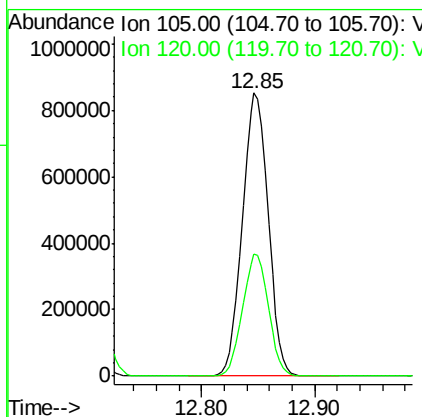
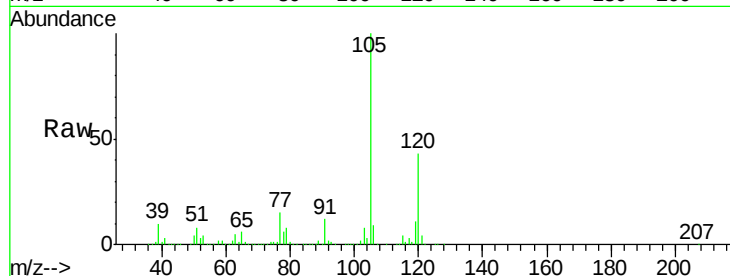
#81
 1,3,5-Trimethylbenzene
 Concen: 47.60 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1355089
 Ion Ratio Lower Upper
 105 100
 120 43.2 23.4 70.0

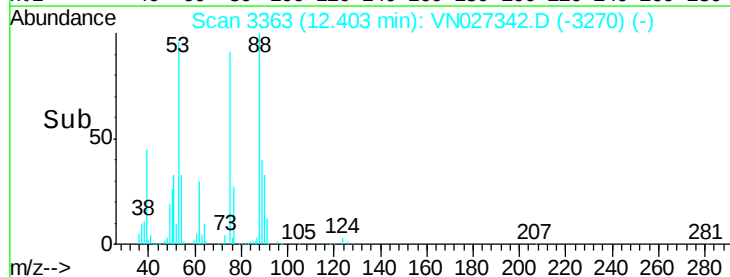
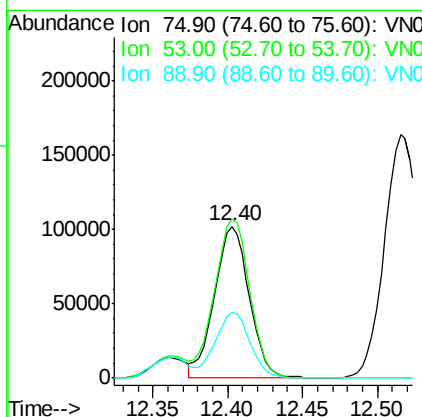
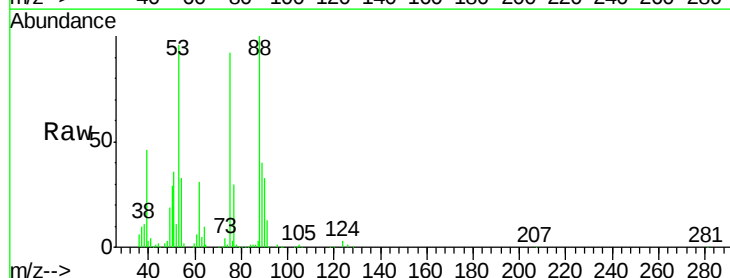
Manual Integrations
 APPROVED

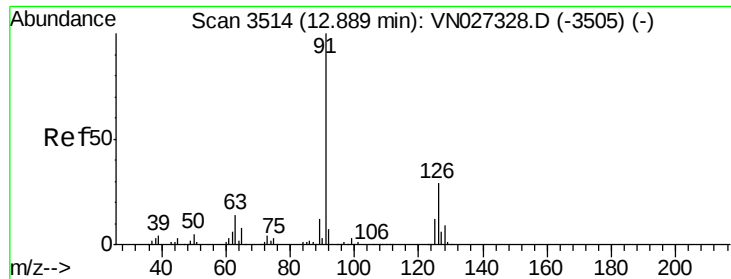
MMDadoda
 9/22/2015 2:28:48 PM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 47.70 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion: 75 Resp: 164181
 Ion Ratio Lower Upper
 75 100
 53 106.5 92.9 139.3
 89 43.4 34.2 51.4





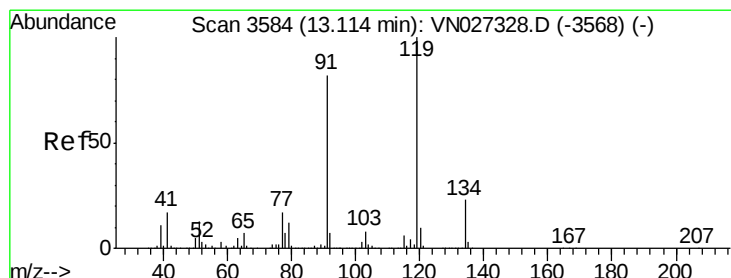
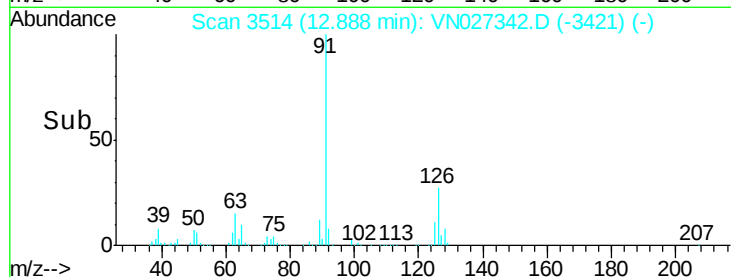
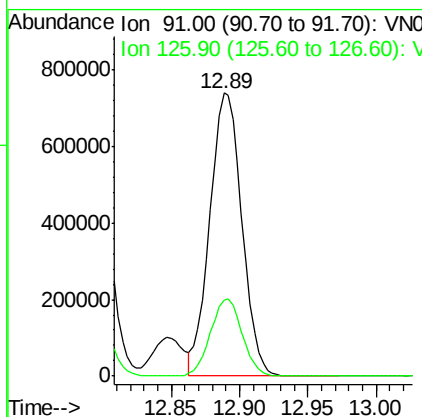
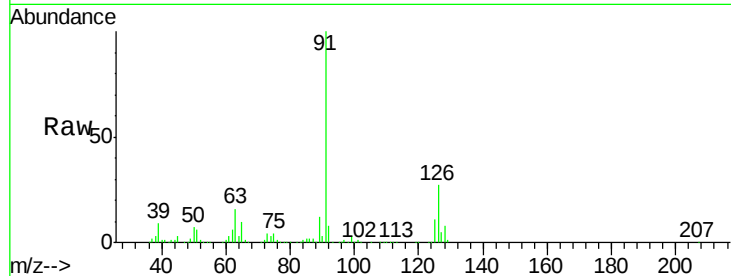
#83
4-Chlorotoluene
Concen: 47.94 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1201431
Ion Ratio Lower Upper
91 100
126 27.1 14.9 44.5

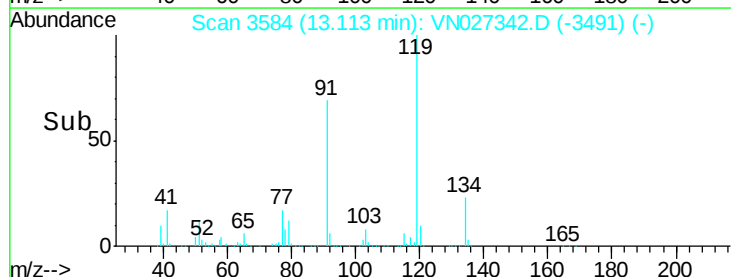
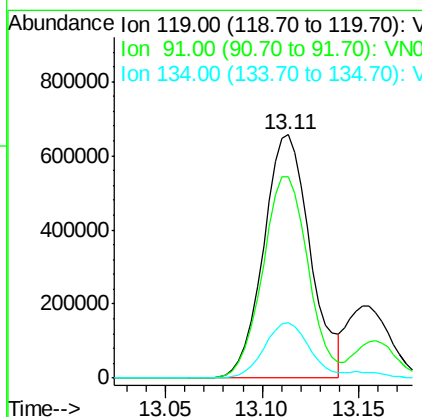
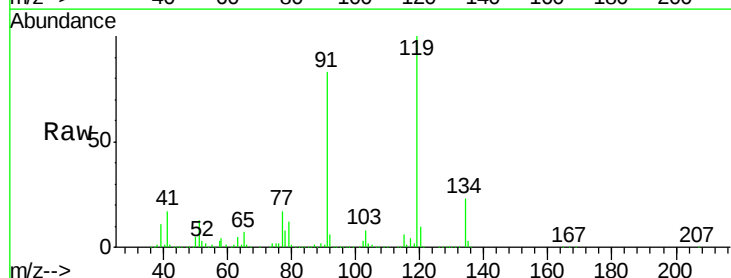
Manual Integrations
APPROVED

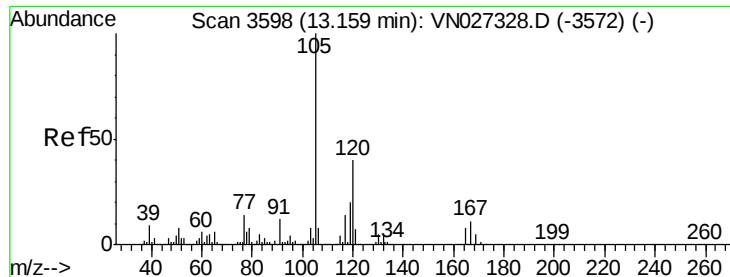
MMDadoda
9/22/2015 2:28:48 PM



#84
tert-Butylbenzene
Concen: 47.90 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion: 119 Resp: 1099672
Ion Ratio Lower Upper
119 100
91 80.4 34.6 103.8
134 22.3 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 48.06 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1360685

Ion Ratio Lower Upper

105 100

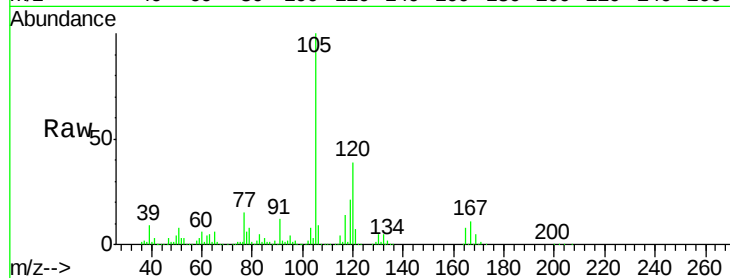
120 40.4

21.9 65.5

Manual Integrations
APPROVED

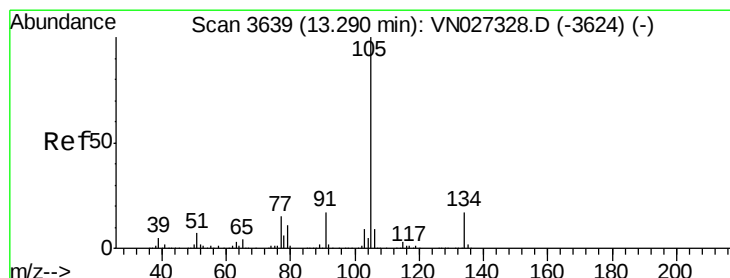
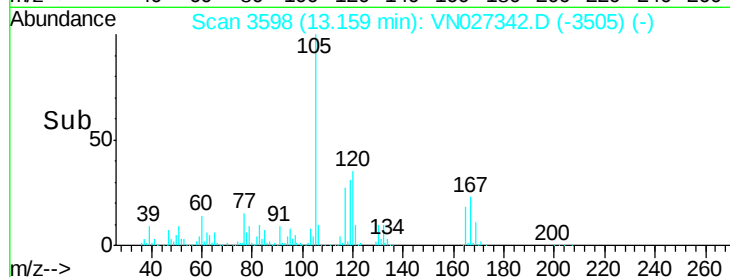
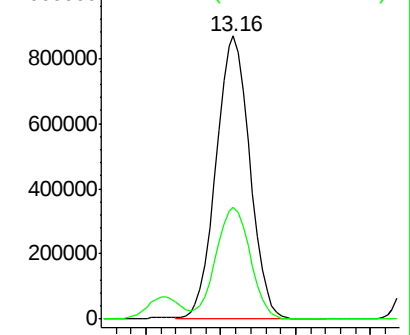
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

sec-Butylbenzene

Concen: 48.23 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

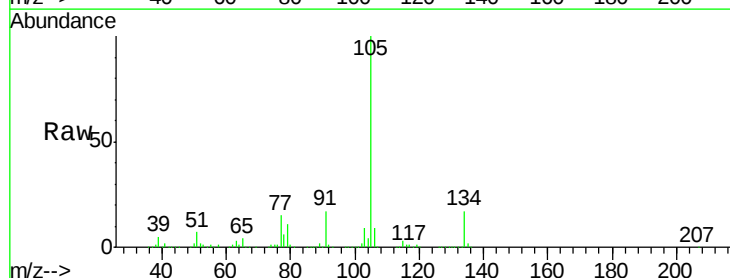
Tgt Ion:105 Resp: 1649251

Ion Ratio Lower Upper

105 100

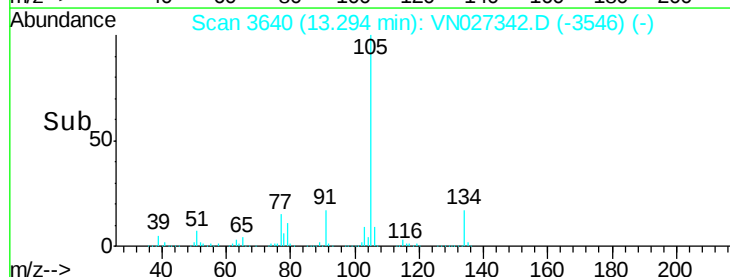
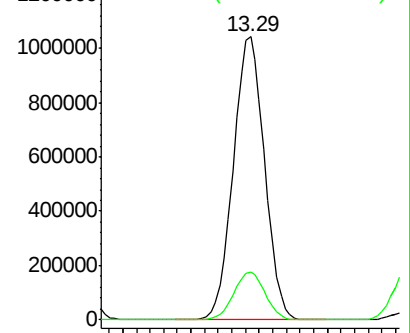
134 17.1

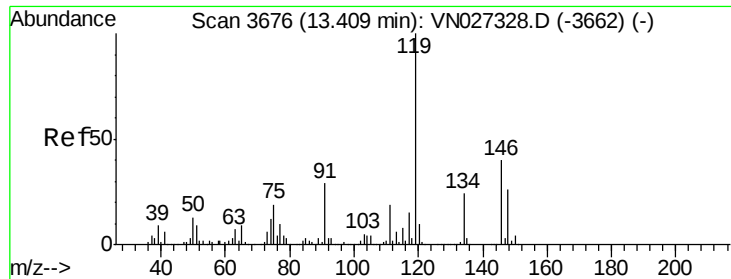
8.8 26.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





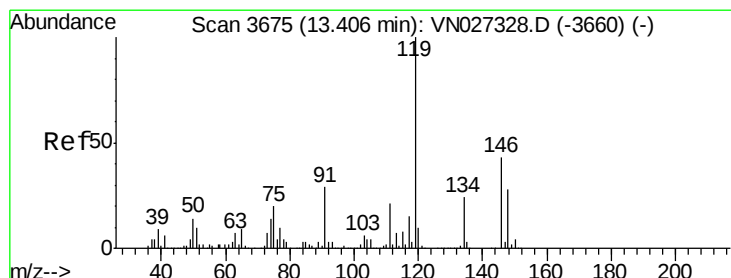
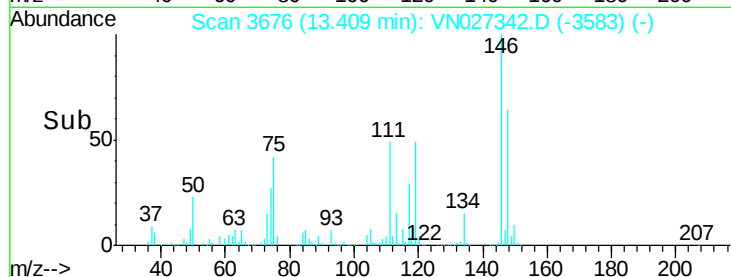
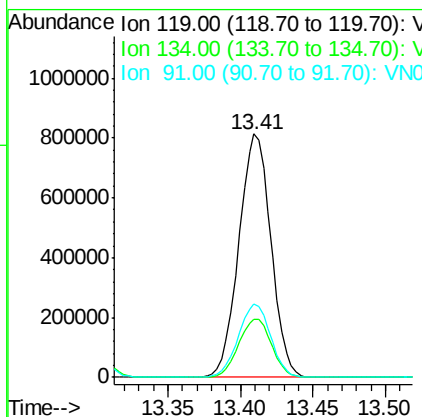
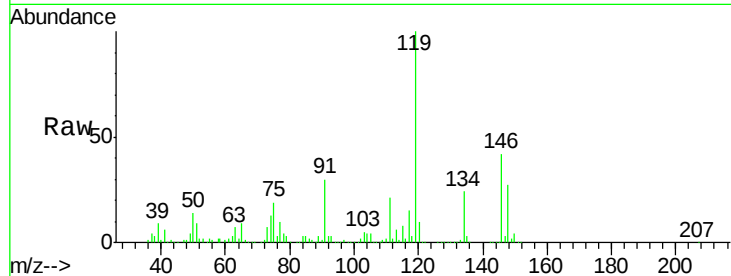
#87
p-Isopropyltoluene
Concen: 48.67 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.4	37.0
91	30.2	12.0	36.1

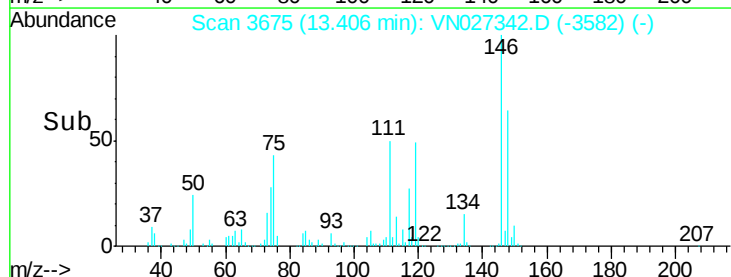
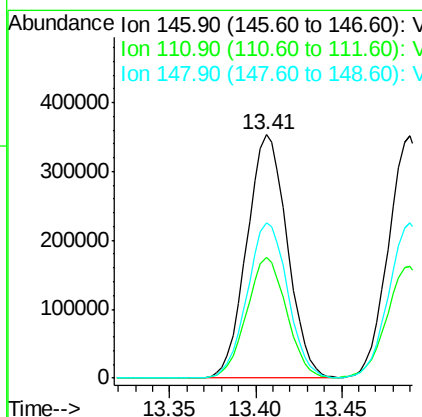
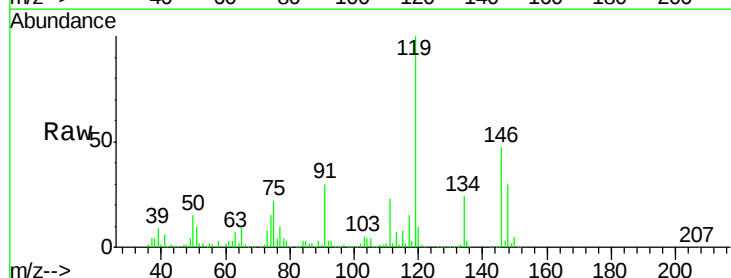
Manual Integrations
APPROVED

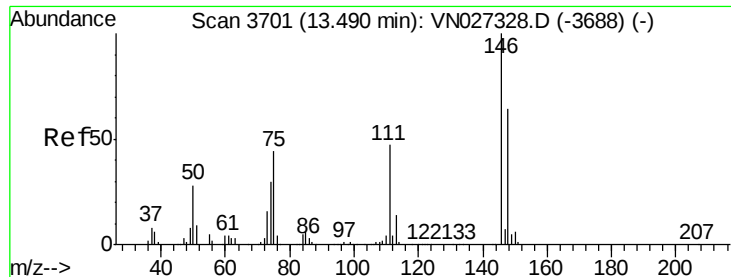
MMDadoda
9/22/2015 2:28:48 PM



#88
1,3-Dichlorobenzene
Concen: 48.39 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN027342.D
Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.0	21.0	63.0
148	64.0	31.9	95.9





#89

1,4-Dichlorobenzene

Concen: 47.49 ug/l

RT: 13.49 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

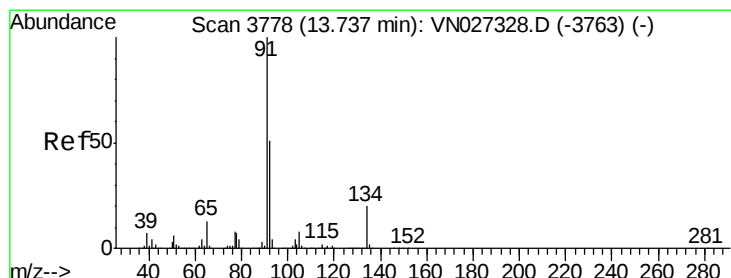
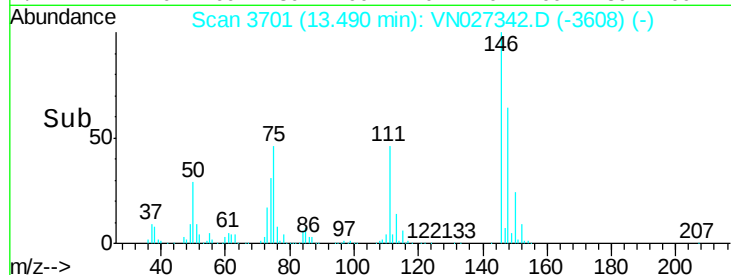
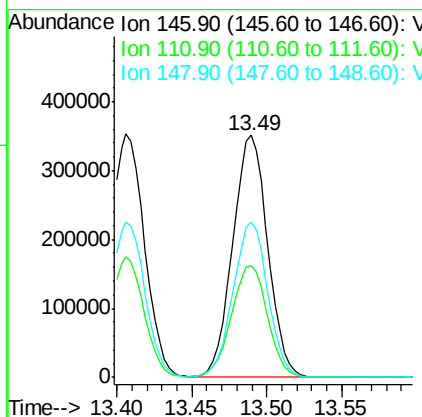
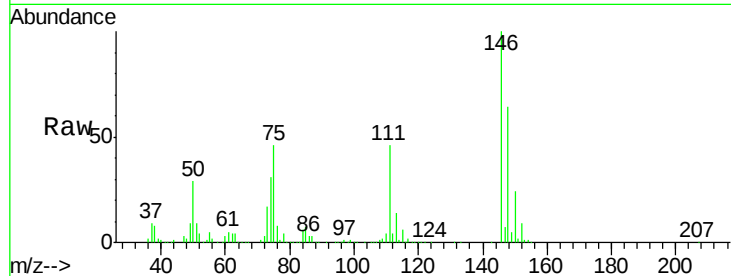
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	571572
Ion Ratio	Lower	Upper	
146	100		
111	47.6	19.9	59.6
148	63.9	31.7	95.1

Manual Integrations
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#90

n-Butylbenzene

Concen: 49.05 ug/l

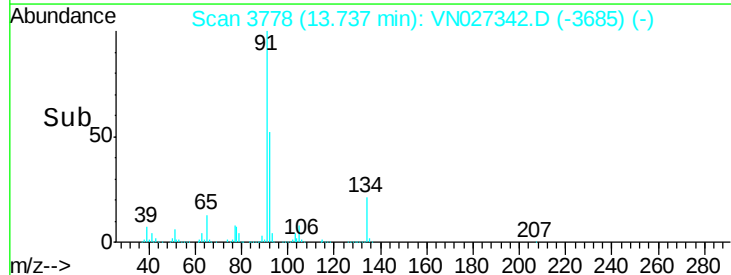
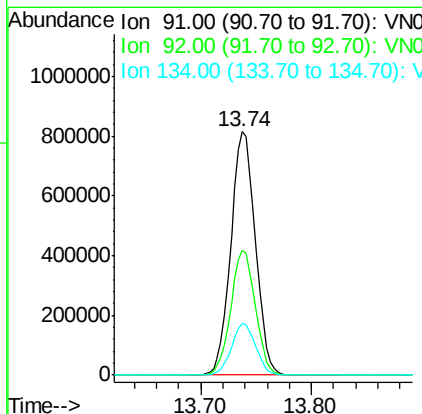
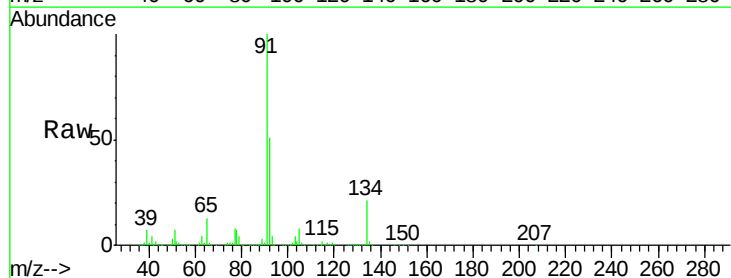
RT: 13.74 min Scan# 3778

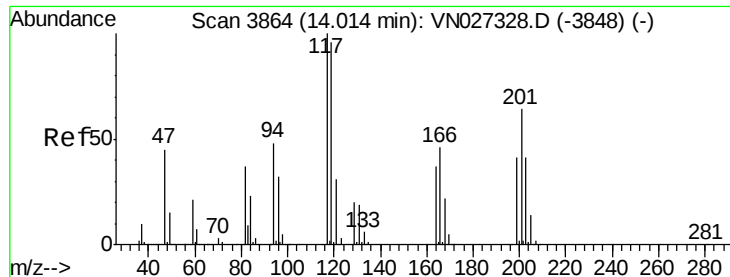
Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Tgt Ion:	91	Resp:	1255806
Ion Ratio	Lower	Upper	
91	100		
92	51.3	26.1	78.2
134	21.0	11.1	33.1





#91

Hexachloroethane

Concen: 46.72 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 256119

Ion Ratio Lower Upper

117 100

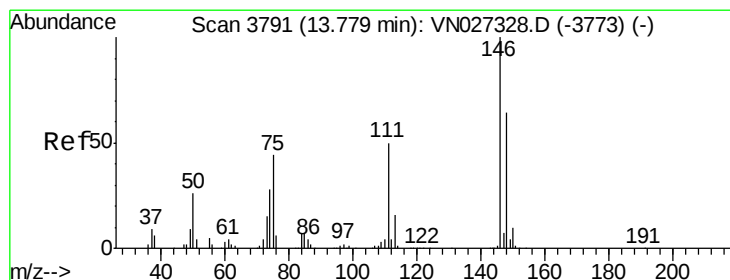
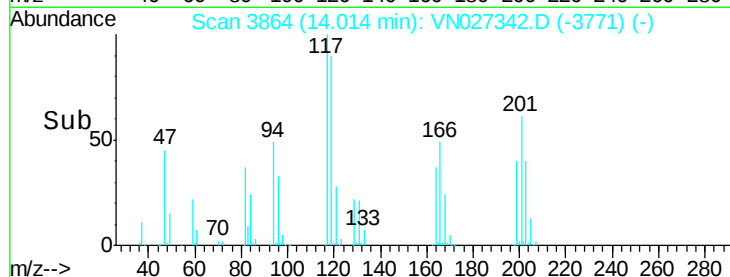
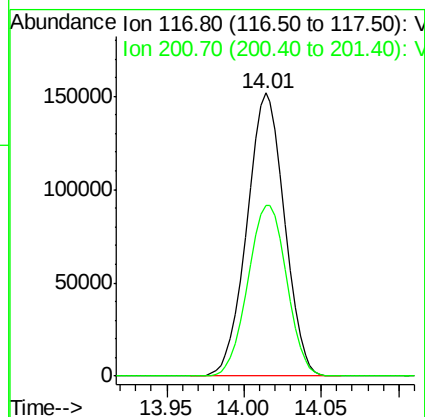
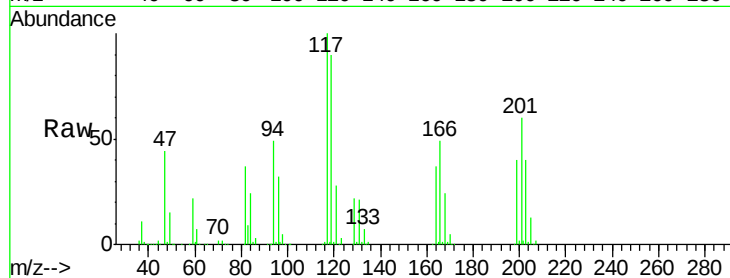
201 62.5 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 48.24 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

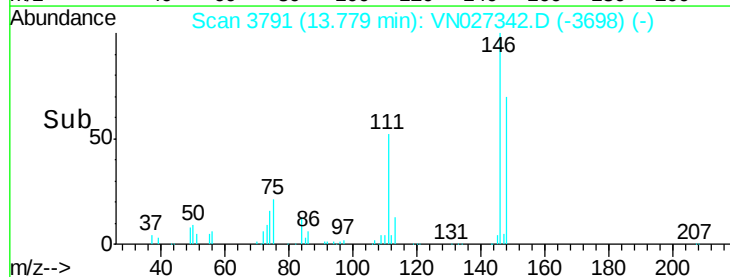
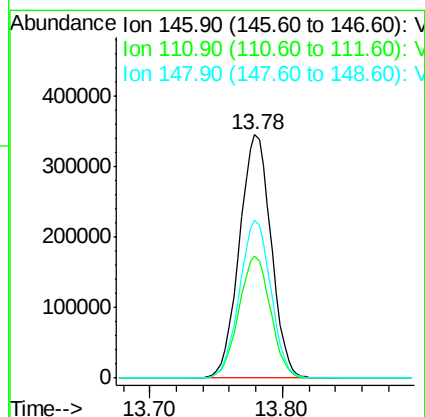
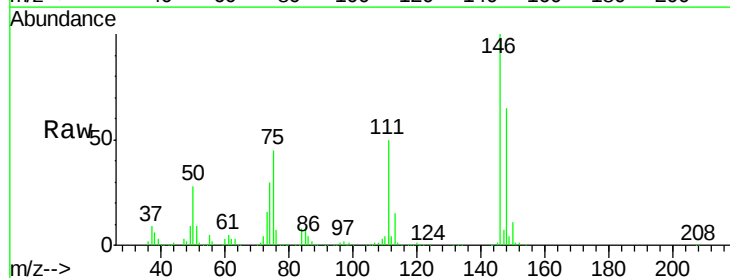
Tgt Ion:146 Resp: 573160

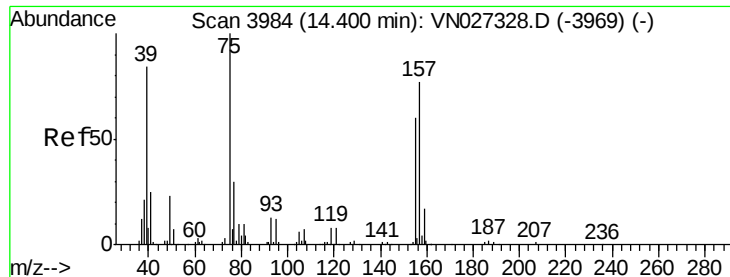
Ion Ratio Lower Upper

146 100

111 50.2 22.1 66.3

148 64.1 32.0 96.0





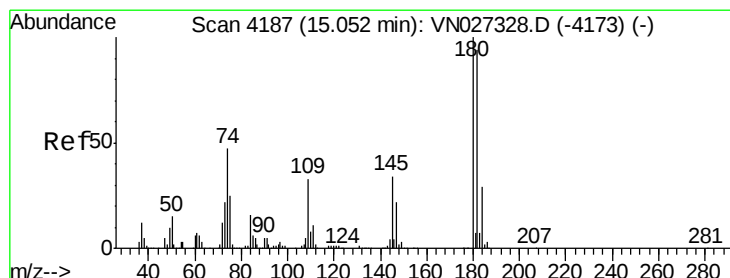
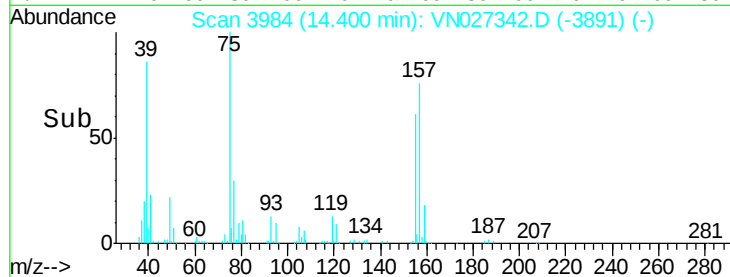
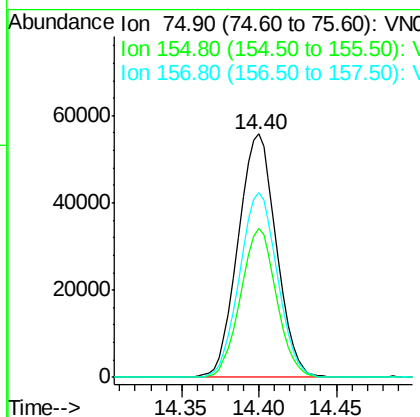
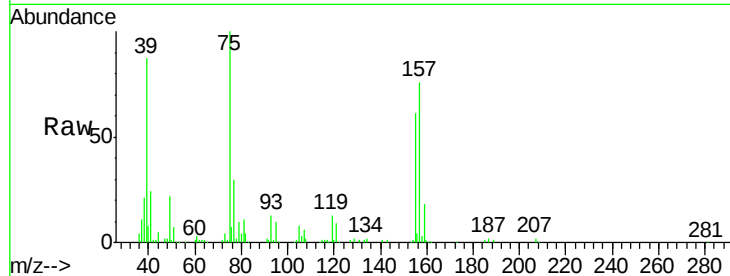
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 49.26 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
155	57.6	35.6	106.9
157	75.1	44.6	133.8

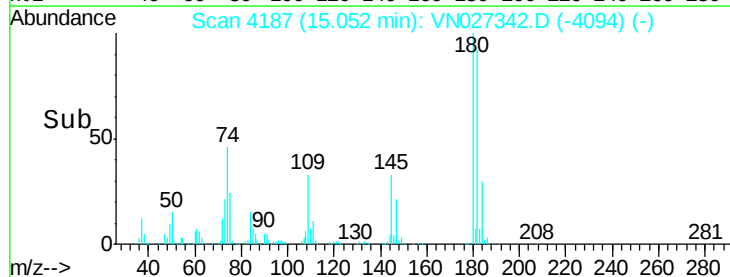
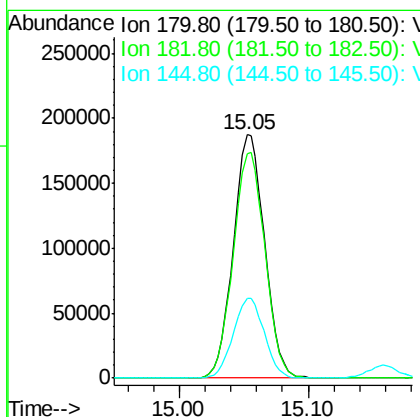
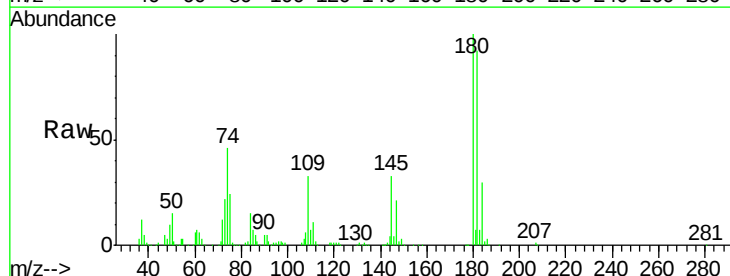
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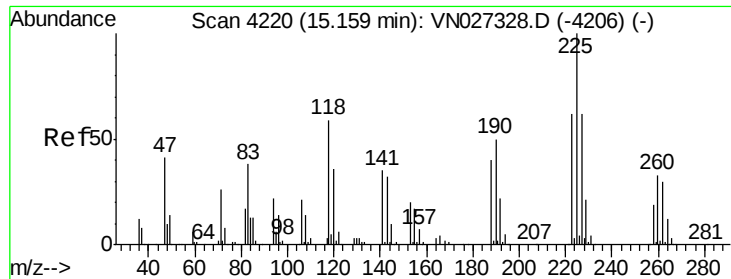
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#94
 1,2,4-Trichlorobenzene
 Concen: 51.40 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.5
145	32.7	15.1	45.3





#95

Hexachlorobutadiene

Concen: 46.94 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. -0.00 min

Lab File: VN027342.D

Acq: 21 Sep 2015 20:31

Instrument :

MSVOA_N

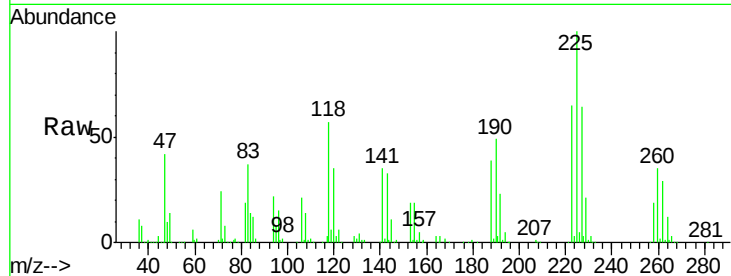
ClientSampleId :

VSTDCCC050EC

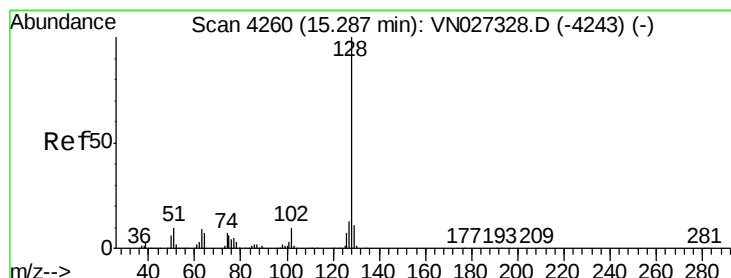
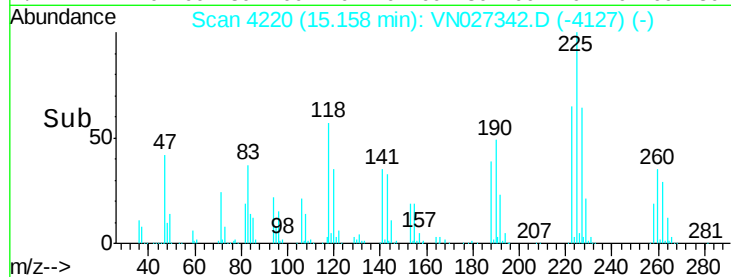
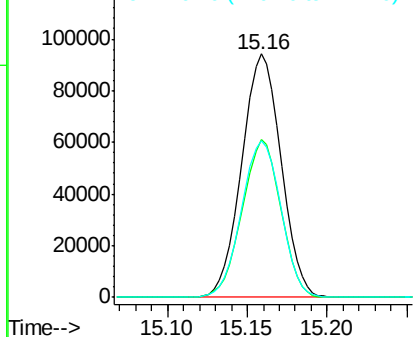
Tot Ion:	225	Resp:	157924
Ion Ratio		Lower	Upper
225	100		
223	63.8	30.8	92.3
227	64.5	31.7	95.1

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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: 47.18 ug/l

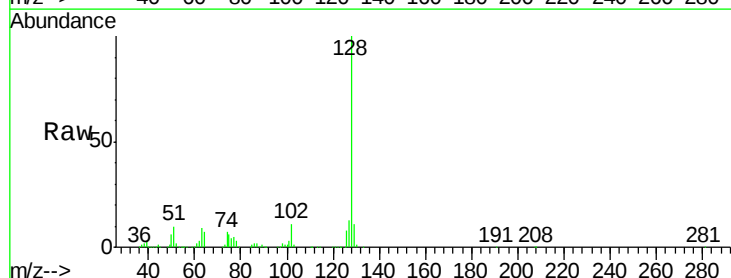
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

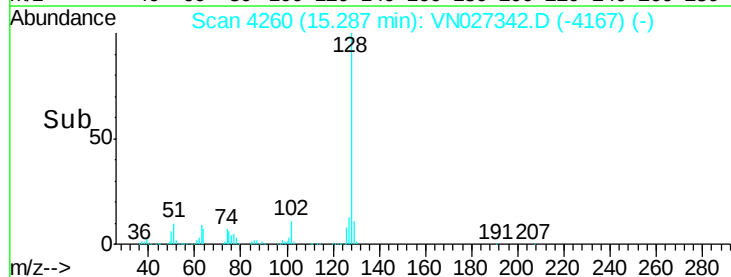
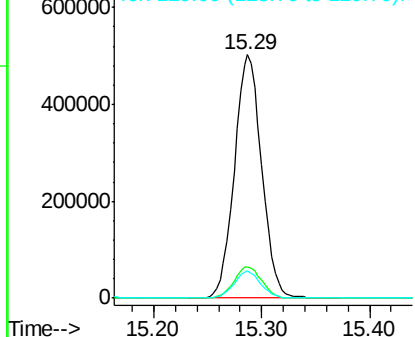
Lab File: VN027342.D

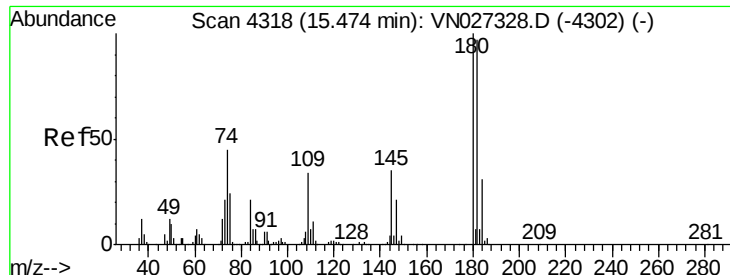
Acq: 21 Sep 2015 20:31

Tgt Ion:	128	Resp:	883045
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	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





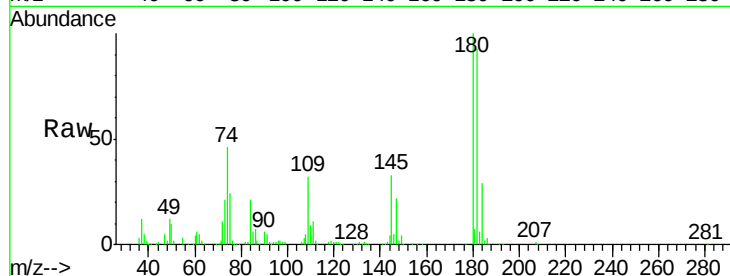
#97
 1,2,3-Trichlorobenzene
 Concen: 51.31 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. -0.00 min
 Lab File: VN027342.D
 Acq: 21 Sep 2015 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.3	48.8	146.4
145	33.8	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

