

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027328.D
 Acq On : 21 Sep 2015 11:49
 Operator : MD\FY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:54 PM

Quant Time: Sep 21 12:25:28 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	618069	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1139809	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	972752	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	377892	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	540028	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	
36) Dibromofluoromethane	7.68	113	339747	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	
51) Toluene-d8	10.19	98	1318092	42.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.22%	
63) 4-Bromofluorobenzene	12.52	95	475561	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	303460	41.03	ug/l	99
3) Chlorodifluoromethane	1.82	51	412298	48.18	ug/l	93
4) Chloromethane	2.01	50	327247	36.75	ug/l	99
5) Vinyl Chloride	2.14	62	376971	43.16	ug/l	99
6) Bromomethane	2.54	94	150180	33.77	ug/l	99
7) Chloroethane	2.69	64	239180	40.28	ug/l	97
8) Trichlorofluoromethane	3.02	101	573812	43.49	ug/l	99
9) Diethyl Ether	3.42	74	250218	41.21	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	368786	44.50	ug/l	95
11) Methyl Iodide	3.99	142	282096	35.02	ug/l	92
12) Tert butyl alcohol	4.80	59	217314	175.49	ug/l	97
13) 1,1-Dichloroethene	3.77	96	337323	42.51	ug/l	95
14) Acrolein	3.62	56	305790	210.20	ug/l	97
15) Allyl chloride	4.37	41	642660	40.09	ug/l #	81
16) Acrylonitrile	5.02	53	817239	201.81	ug/l	99
17) Acetone	3.82	43	754055	220.85	ug/l	98
18) Carbon Disulfide	4.11	76	986967	38.19	ug/l	98
19) Methyl Acetate	4.36	43	980249	39.64	ug/l	95
20) Methyl tert-butyl Ether	5.11	73	1316603	41.33	ug/l	97
21) Methylene Chloride	4.60	84	401080	42.17	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	367109	42.77	ug/l	99
23) Diisopropyl ether	6.03	45	1398899	41.60	ug/l #	89
24) Vinyl Acetate	5.97	43	2322229m	208.63	ug/l	
25) 1,1-Dichloroethane	5.93	63	816351	41.78	ug/l	99
26) 2-Butanone	6.91	43	1036473	201.59	ug/l	97
27) 2,2-Dichloropropane	6.92	77	732347	43.21	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	429528	43.63	ug/l	95
29) Bromochloromethane	7.29	49	326044	43.00	ug/l	96
30) Tetrahydrofuran	7.31	42	629712	177.71	ug/l	89
31) Chloroform	7.45	83	781369	44.26	ug/l	99
32) Cyclohexane	7.77	56	758643	34.97	ug/l	91
33) 1,1,1-Trichloroethane	7.67	97	680826	43.26	ug/l	96
37) 1,1-Dichloropropene	7.89	75	590504	44.26	ug/l	98
38) Ethyl Acetate	7.02	43	458226	37.37	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	549853	43.83	ug/l	99
40) Methylcyclohexane	9.19	83	714686	43.99	ug/l	96
41) Benzene	8.14	78	1695112	43.54	ug/l	98
42) Methacrylonitrile	7.24	41	262351	40.68	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	684833	43.67	ug/l	95
44) Isopropyl Acetate	8.25	43	842437	39.51	ug/l	96
45) Trichloroethene	8.93	130	349541	44.70	ug/l	90
46) 1,2-Dichloropropane	9.22	63	472161	42.16	ug/l	99
47) Dibromomethane	9.31	93	286525	43.57	ug/l	91
48) Bromodichloromethane	9.49	83	614565	44.34	ug/l	99
49) Methyl methacrylate	9.29	41	412444	38.83	ug/l #	87
50) 1,4-Dioxane	9.30	88	92325	741.04	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	2160132	191.62	ug/l	98
53) Toluene	10.26	92	1006461	44.14	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	662553	42.57	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	731264	43.19	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	377907	44.10	ug/l	100
57) Ethyl methacrylate	10.52	69	590634	40.90	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	685359	43.08	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1436514	216.63	ug/l	98
60) 2-Hexanone	10.84	43	1477832	192.55	ug/l	100
61) Dibromochloromethane	11.00	129	374267	42.76	ug/l	98
62) 1,2-Dibromoethane	11.11	107	358292	42.54	ug/l	99
65) Tetrachloroethene	10.74	164	275777	44.33	ug/l	95
66) Chlorobenzene	11.54	112	995901	43.37	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	340385	43.45	ug/l	97
68) Ethyl Benzene	11.62	91	1912523	43.92	ug/l	99
69) m/p-Xylenes	11.73	106	1323469	88.09	ug/l	90
70) o-Xylene	12.06	106	654157	43.43	ug/l	90
71) Styrene	12.07	104	1076516	44.27	ug/l	94
72) Bromoform	12.24	173	225540	41.40	ug/l #	99
74) Isopropylbenzene	12.36	105	1799110	43.20	ug/l	97
75) N-amyl acetate	12.17	43	727846	39.16	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	475921	38.48	ug/l	98
77) 1,2,3-Trichloropropane	12.66	75	447838m	39.21	ug/l	
78) Bromobenzene	12.64	156	342098	41.89	ug/l	92
79) n-propylbenzene	12.71	91	2186729	44.63	ug/l	97
80) 2-Chlorotoluene	12.79	91	1279435	43.49	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1450499	43.36	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	174643	37.56	ug/l	92
83) 4-Chlorotoluene	12.89	91	1307045	45.22	ug/l	94
84) tert-Butylbenzene	13.11	119	1152090	41.74	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	1467911	43.69	ug/l	94
86) sec-Butylbenzene	13.29	105	1786208	44.17	ug/l	99
87) p-Isopropyltoluene	13.41	119	1359768	43.66	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	616405	44.11	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	613585	43.36	ug/l	95
90) n-Butylbenzene	13.74	91	1405052	46.49	ug/l	98
91) Hexachloroethane	14.01	117	281500	41.30	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	608156	44.04	ug/l	96

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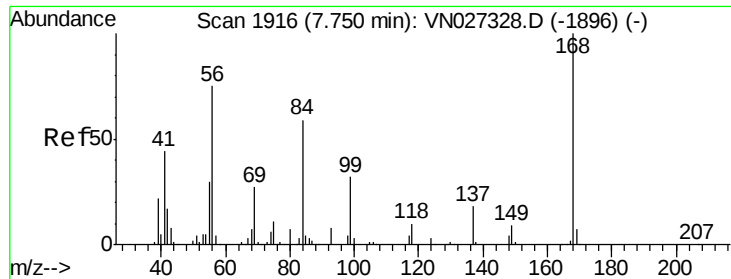
Manual Integrations
APPROVED

MMDadoda
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Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	93366	34.50	ug/l	88
94) 1,2,4-Trichlorobenzene	15.05	180	343815	46.09	ug/l	98
95) Hexachlorobutadiene	15.16	225	176856	45.02	ug/l	99
96) Naphthalene	15.29	128	884686	40.45	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	332170	44.79	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 618069

Ion Ratio Lower Upper

168 100

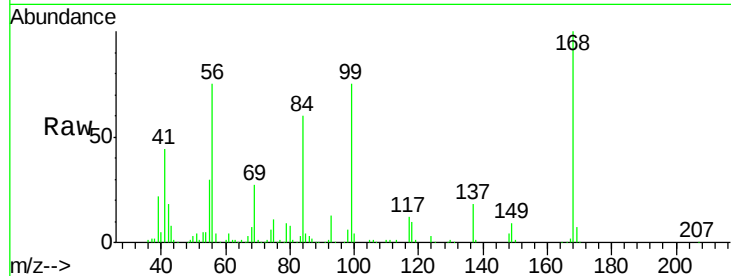
99 74.1 50.4 75.6

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

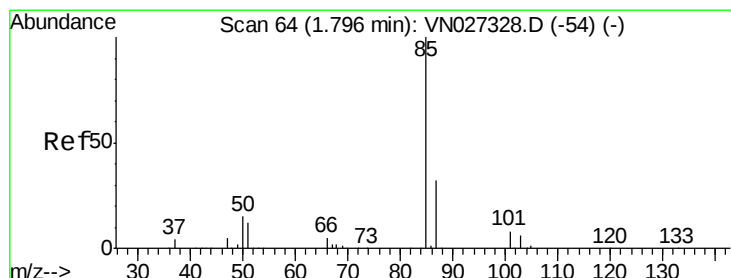
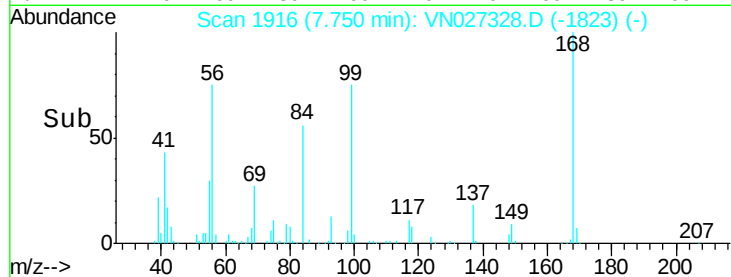
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.03 ug/l

RT: 1.80 min Scan# 64

Delta R.T. 0.00 min

Lab File: VN027328.D

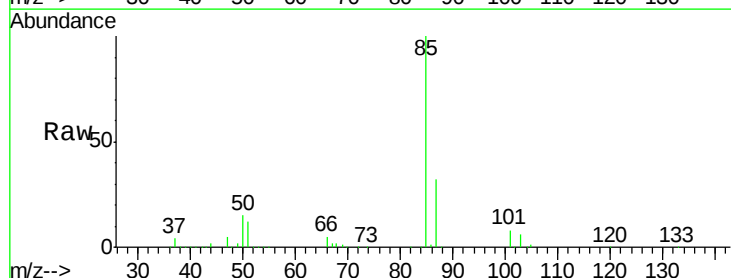
Acq: 21 Sep 2015 11:49

Tgt Ion: 85 Resp: 303460

Ion Ratio Lower Upper

85 100

87 32.1 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

250000

200000

150000

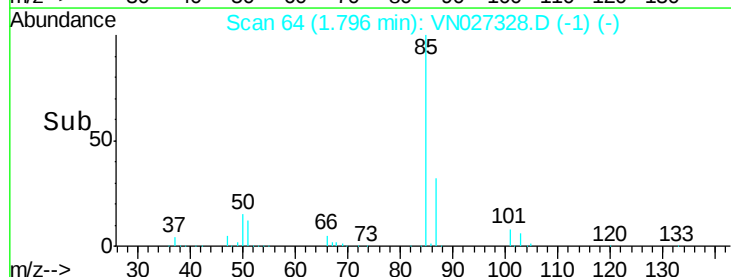
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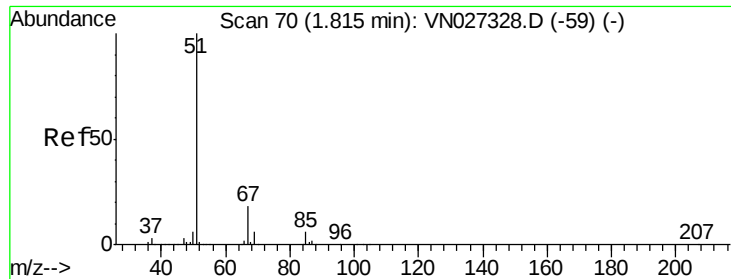
50000

0

1.75 1.80 1.85

Time-->





#3

Chlorodifluoromethane

Concen: 48.18 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 51 Resp: 412298

Ion Ratio Lower Upper

51 100

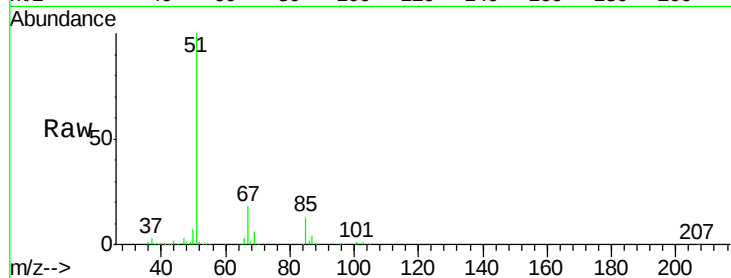
67 18.1 12.2 18.2

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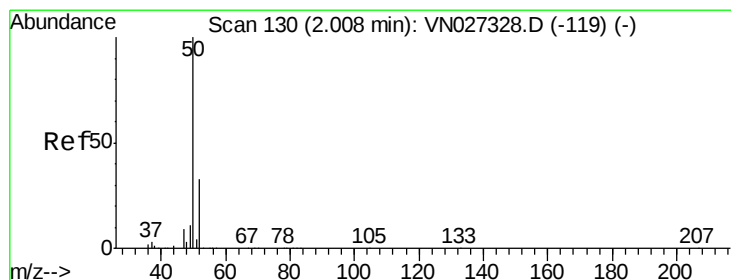
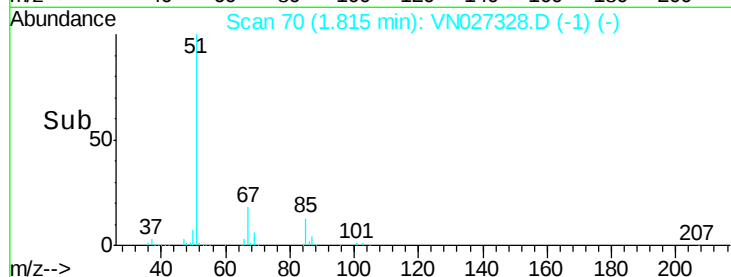
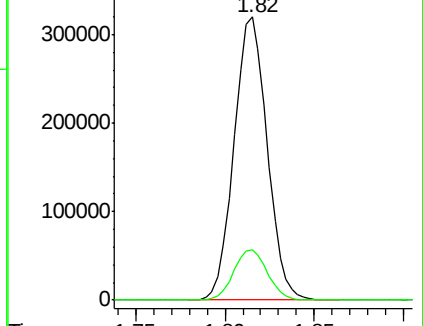
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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 36.75 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027328.D

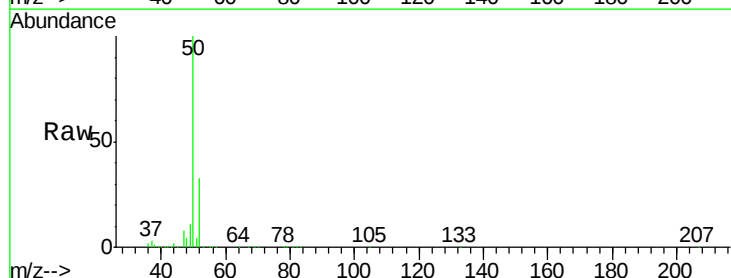
Acq: 21 Sep 2015 11:49

Tgt Ion: 50 Resp: 327247

Ion Ratio Lower Upper

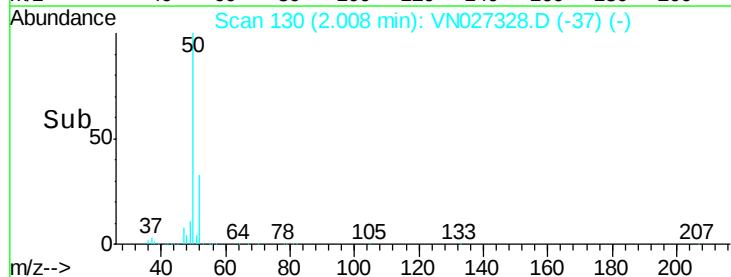
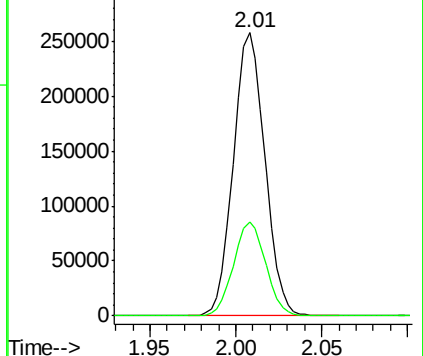
50 100

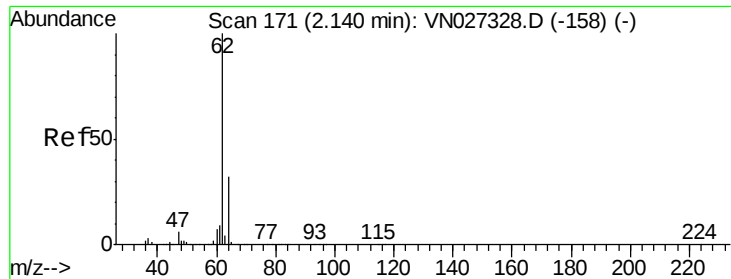
52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 43.16 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 62 Resp: 376971

Ion Ratio Lower Upper

62 100

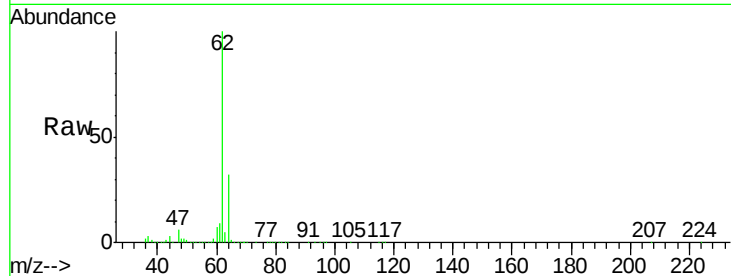
64 31.8 25.9 38.9

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

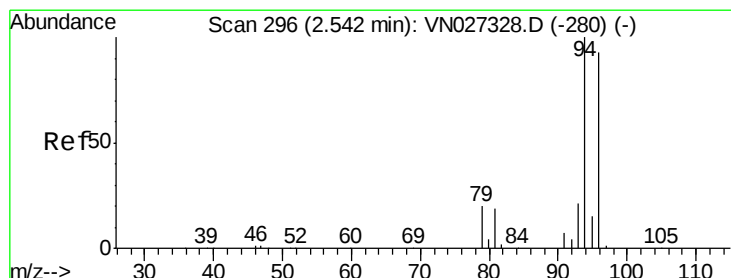
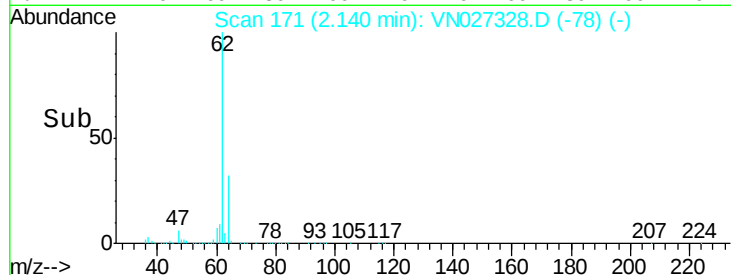
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 33.77 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027328.D

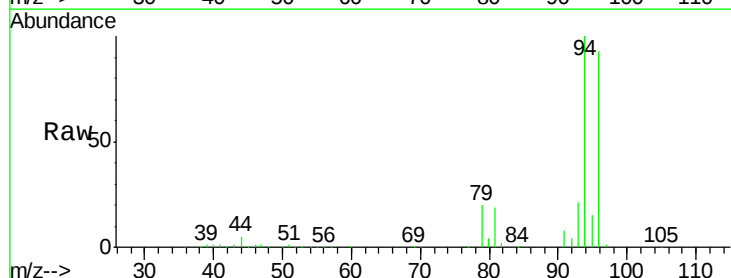
Acq: 21 Sep 2015 11:49

Tgt Ion: 94 Resp: 150180

Ion Ratio Lower Upper

94 100

96 93.1 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

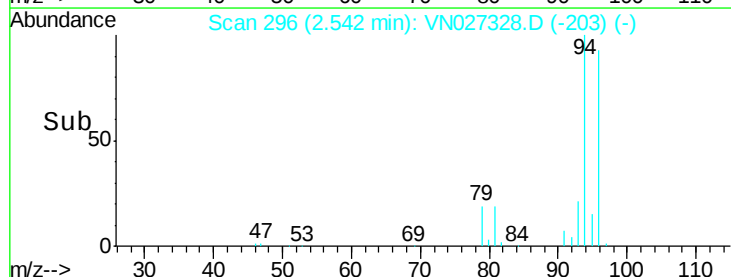
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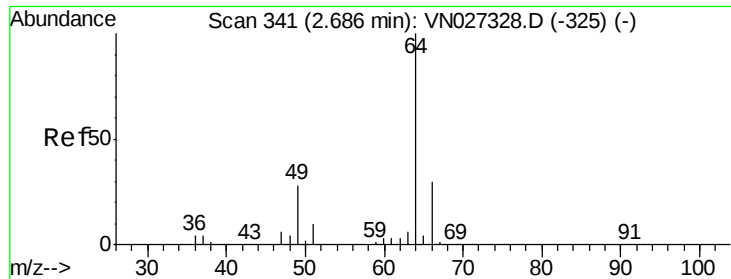
40000

20000

0

Time-->





#7

Chloroethane

Concen: 40.28 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 64 Resp: 239180

Ion Ratio Lower Upper

64 100

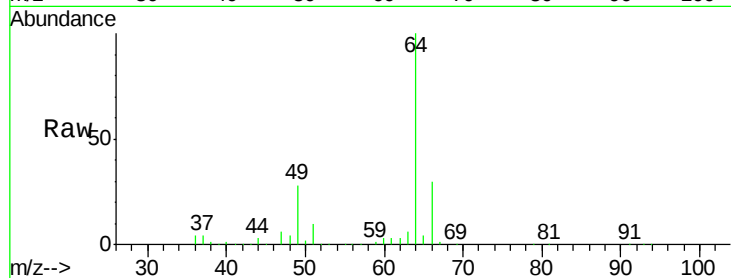
66 30.3 25.5 38.3

Manual Integrations

APPROVED

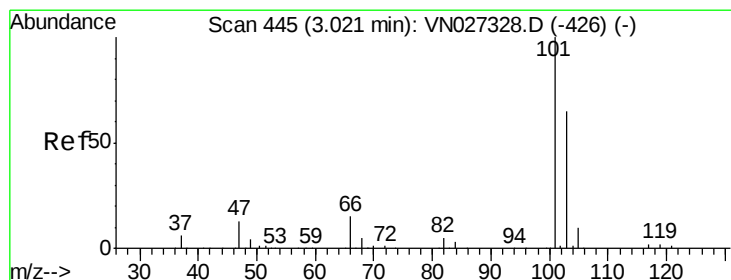
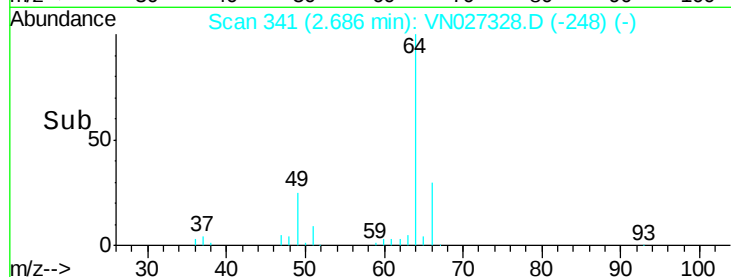
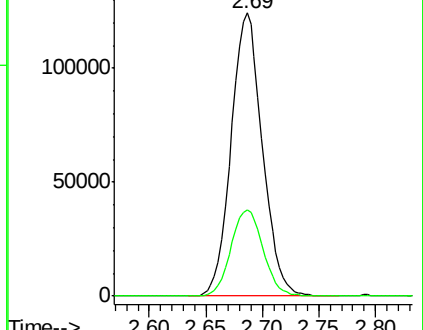
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9/22/2015 2:27:54 PM



Abundance Ion 63.90 (63.60 to 64.60): VN027328.D (-325) (-)

Ion 65.90 (65.60 to 66.60): VN027328.D (-325) (-)



#8

Trichlorofluoromethane

Concen: 43.49 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027328.D

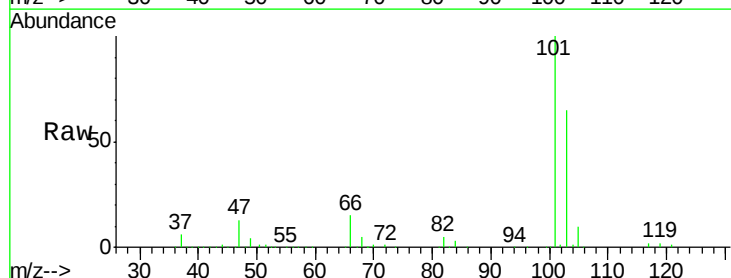
Acq: 21 Sep 2015 11:49

Tgt Ion: 101 Resp: 573812

Ion Ratio Lower Upper

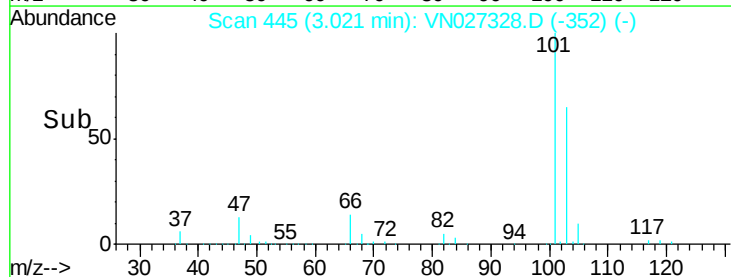
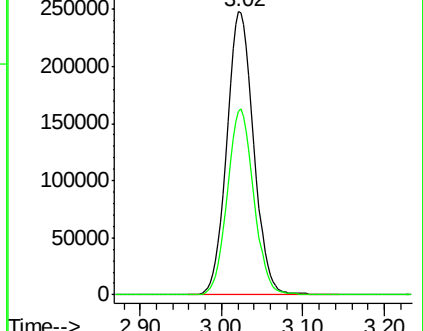
101 100

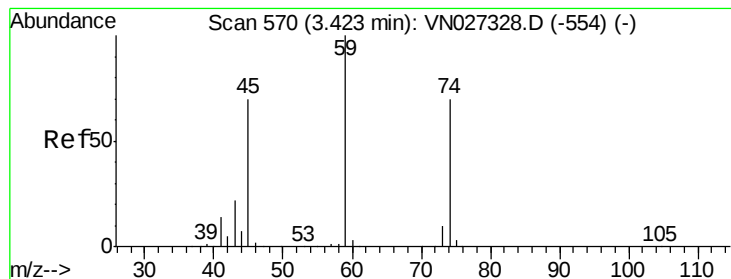
103 65.0 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027328.D (-426) (-)

Ion 102.80 (102.50 to 103.50): VN027328.D (-426) (-)





#9

Diethyl Ether

Concen: 41.21 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 74 Resp: 250218

Ion Ratio Lower Upper

74 100

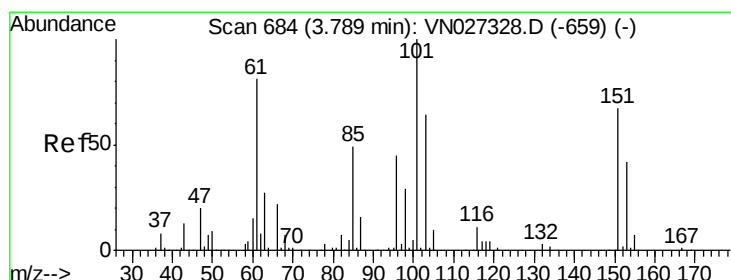
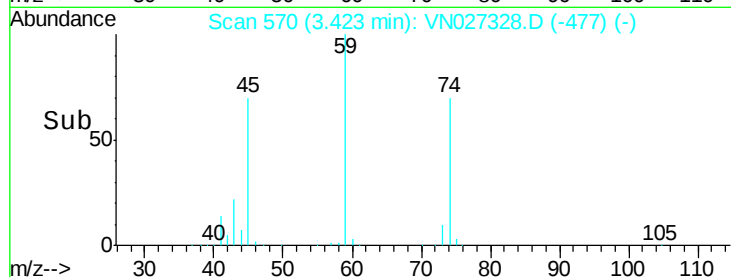
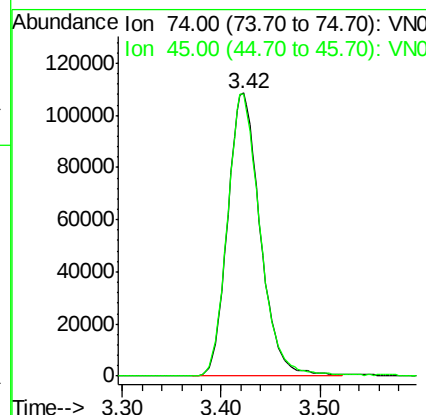
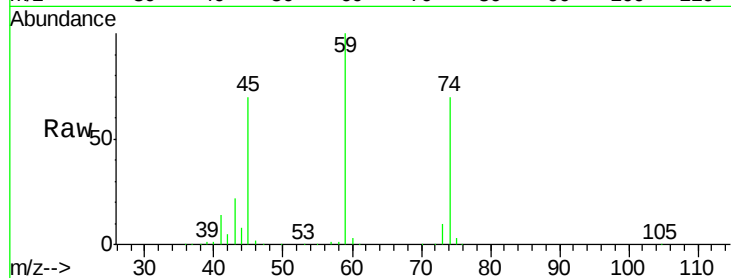
45 100.0 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 44.50 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

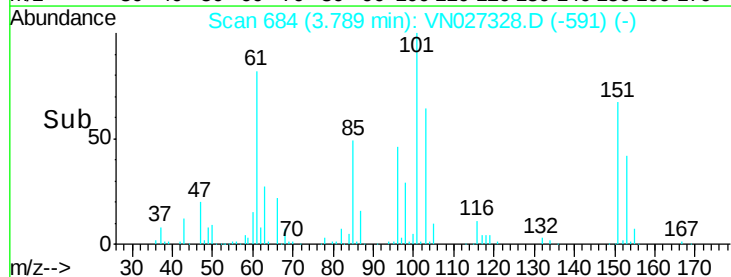
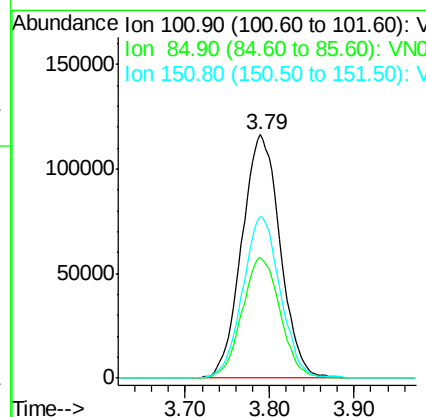
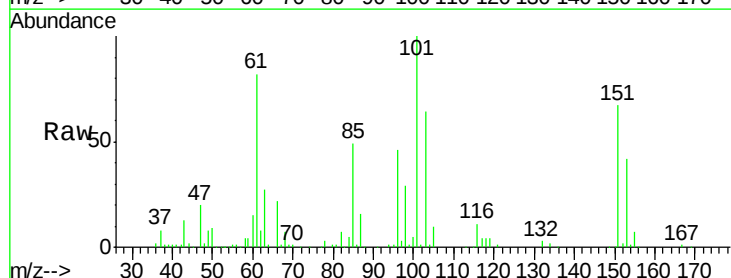
Tgt Ion: 101 Resp: 368786

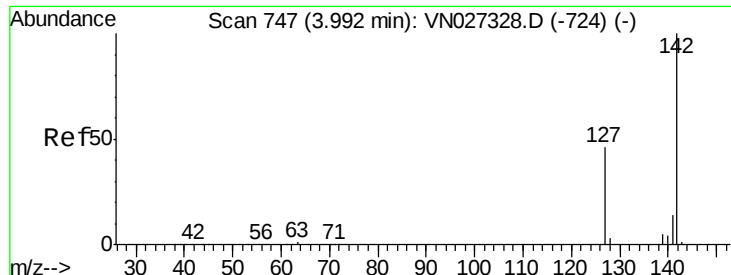
Ion Ratio Lower Upper

101 100

85 49.0 37.4 56.0

151 64.8 55.9 83.9





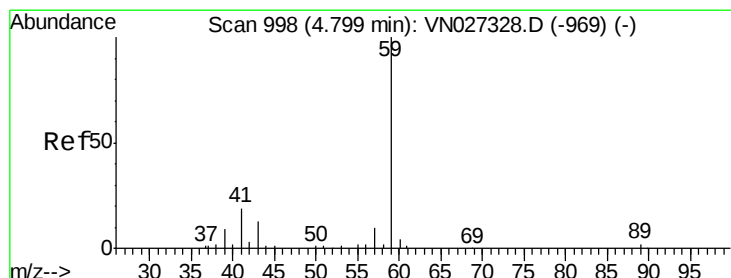
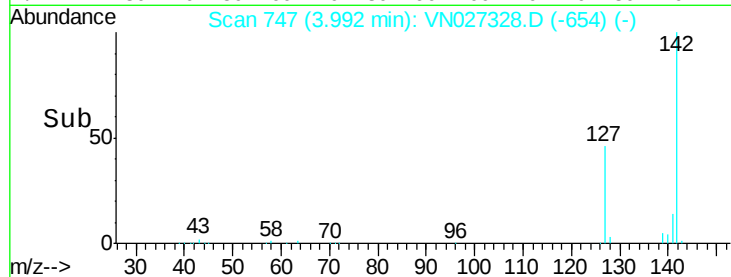
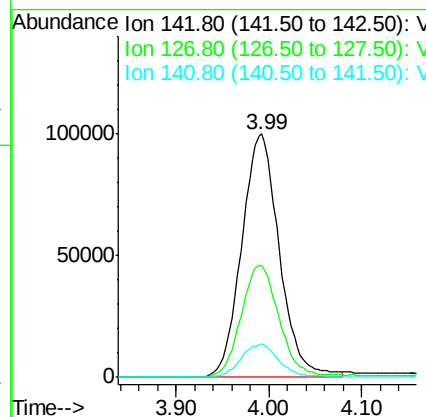
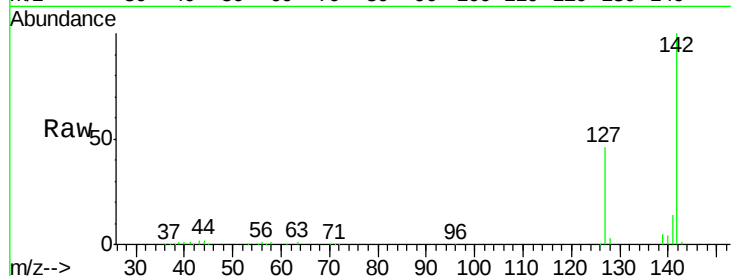
#11
Methvl Iodide
Concen: 35.02 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:	142	Resp:	282096
Ion Ratio	Lower	Upper	
142	100		
127	46.7	32.3	48.5
141	13.8	11.2	16.8

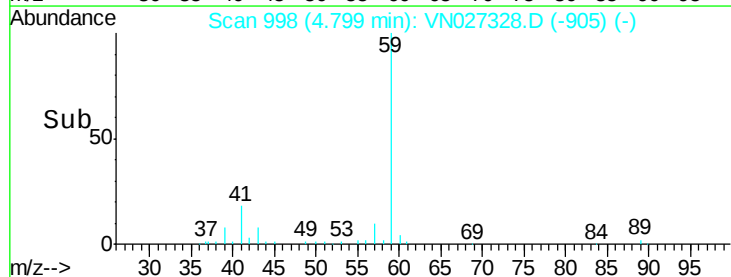
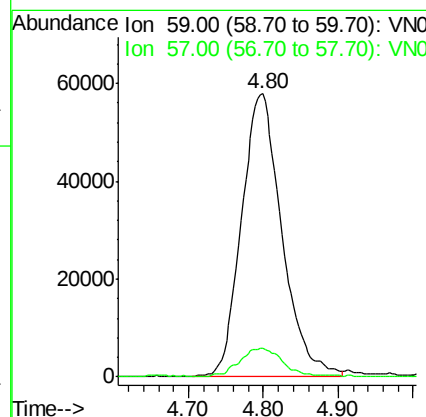
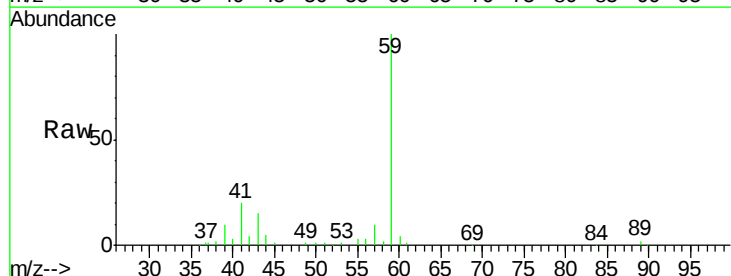
Manual Integrations
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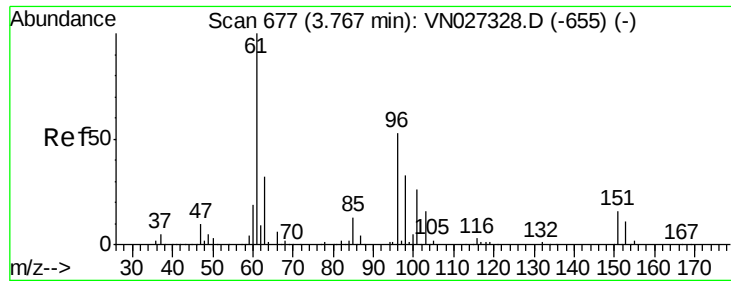
MMDadoda
9/22/2015 2:27:54 PM



#12
Tert butyl alcohol
Concen: 175.49 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion:	59	Resp:	217314
Ion Ratio	Lower	Upper	
59	100		
57	10.7	7.6	11.4





#13

1,1-Dichloroethene

Concen: 42.51 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

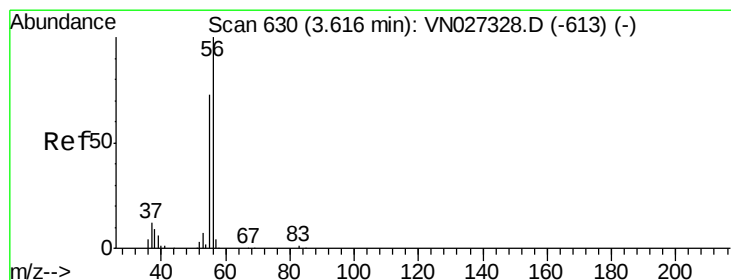
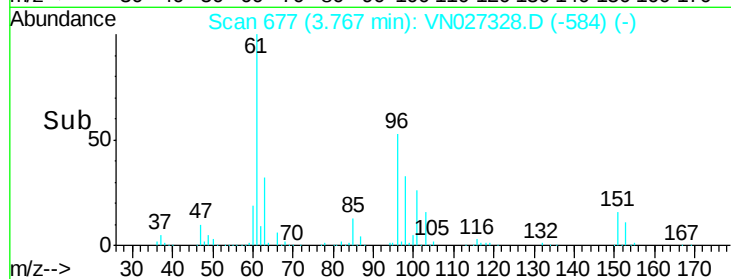
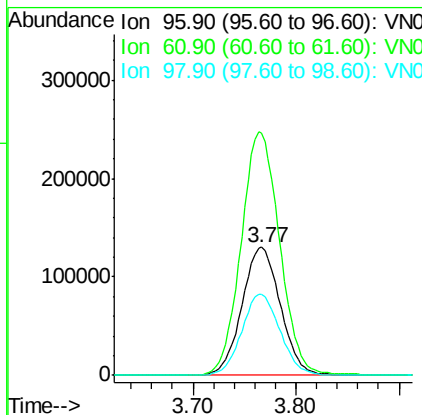
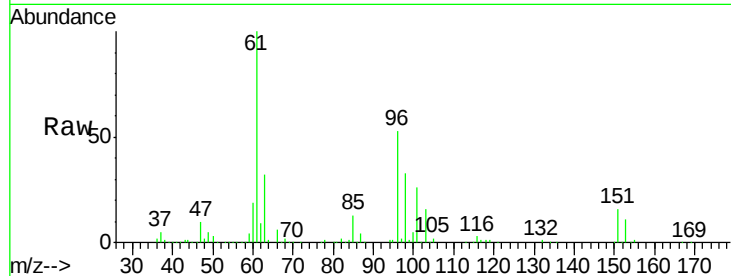
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	337323
Ion Ratio	Lower	Upper	
96	100		
61	189.1	143.8	215.8
98	63.0	50.3	75.5

Manual Integrations
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#14

Acrolein

Concen: 210.20 ug/l

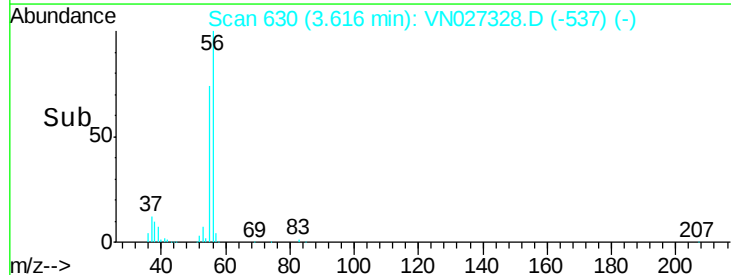
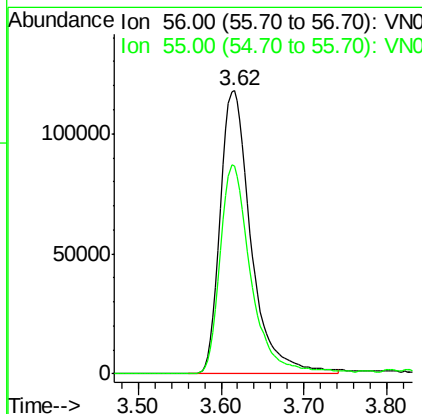
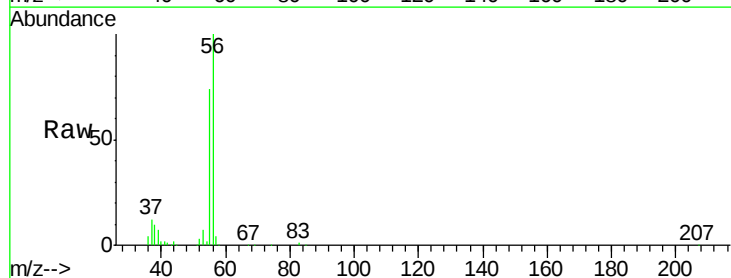
RT: 3.62 min Scan# 630

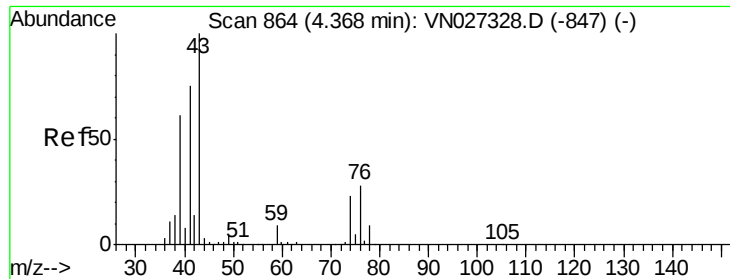
Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Tgt Ion:	56	Resp:	305790
Ion Ratio	Lower	Upper	
56	100		
55	72.3	55.7	83.5





#15

Allvl chloride

Concen: 40.09 ug/l

RT: 4.37 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

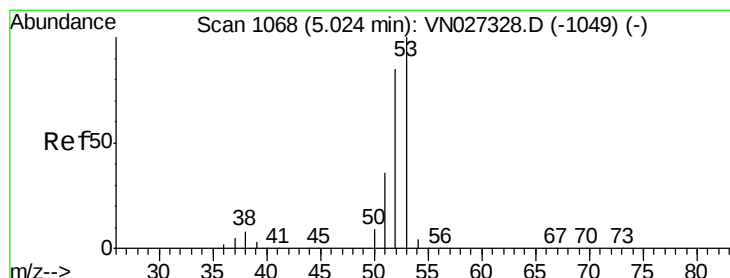
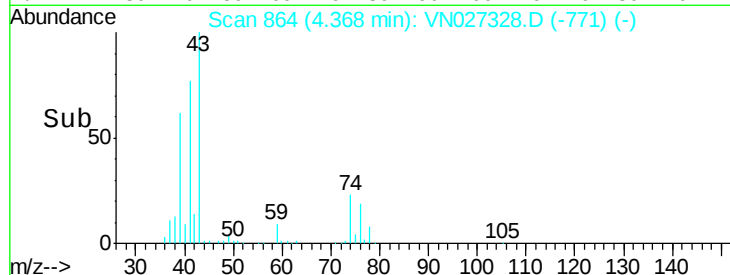
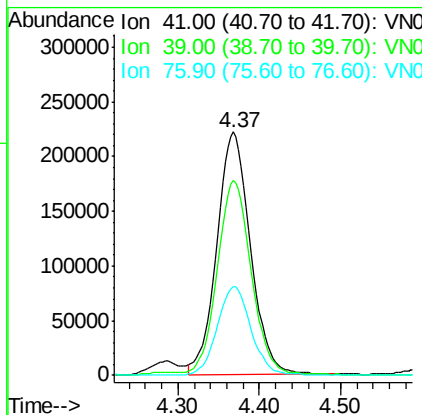
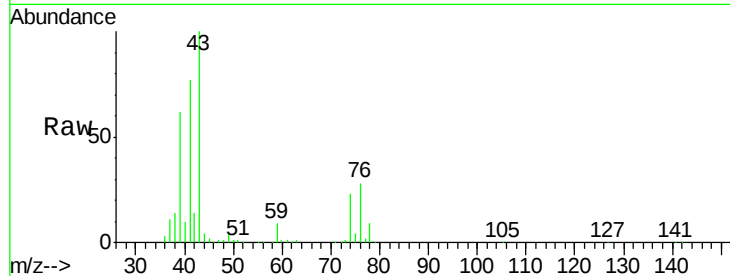
ClientSampleId :

VSTDICCC050

Tot Ion:	41	Resp:	642660
Ion	Ratio	Lower	Upper
41	100		
39	80.7	49.7	74.5#
76	36.2	24.8	37.2

Manual Integrations
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#16

Acrylonitrile

Concen: 201.81 ug/l

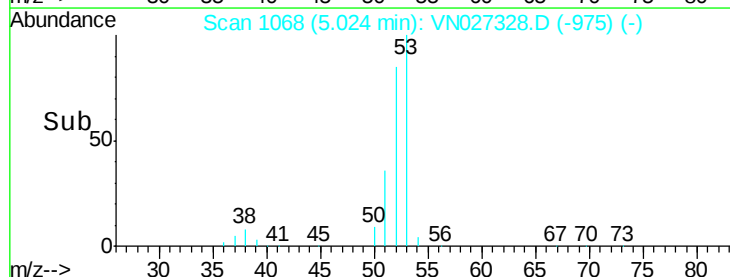
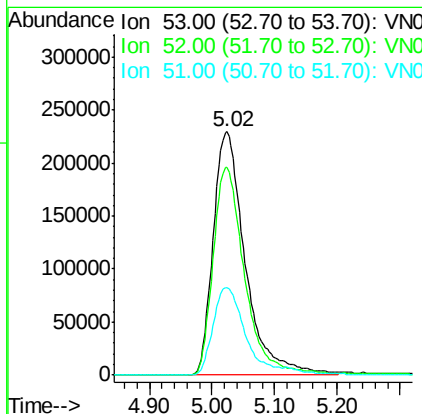
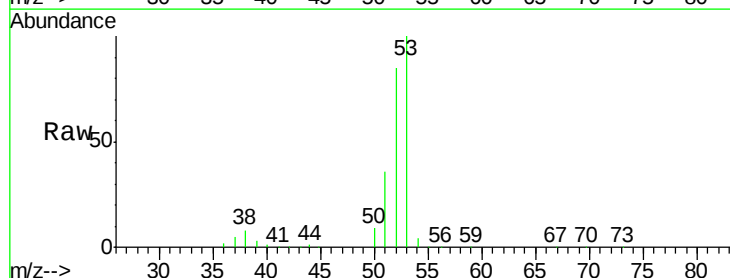
RT: 5.02 min Scan# 1068

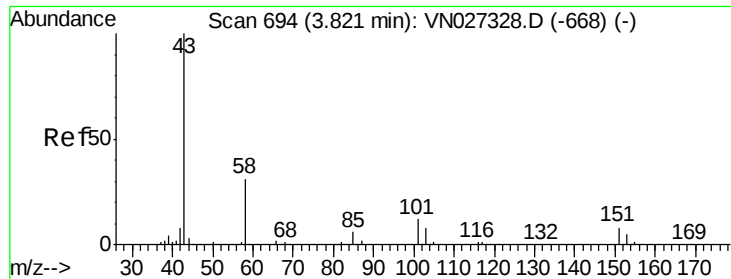
Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Tgt Ion:	53	Resp:	817239
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.9	100.3
51	35.6	27.4	41.0





#17

Acetone

Concen: 220.85 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 754055

Ion Ratio Lower Upper

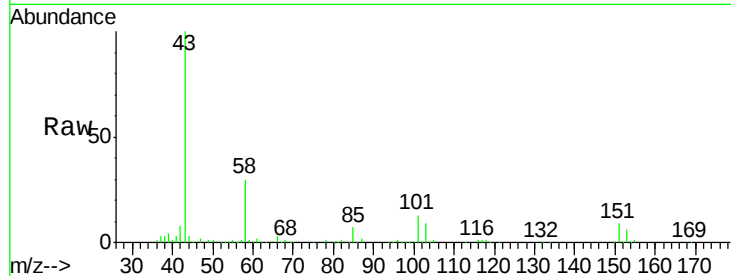
43 100

58 30.5 25.4 38.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

150000

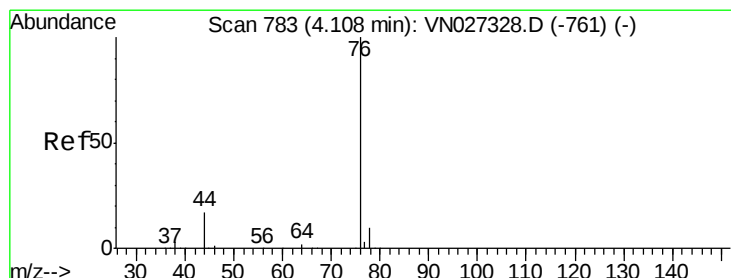
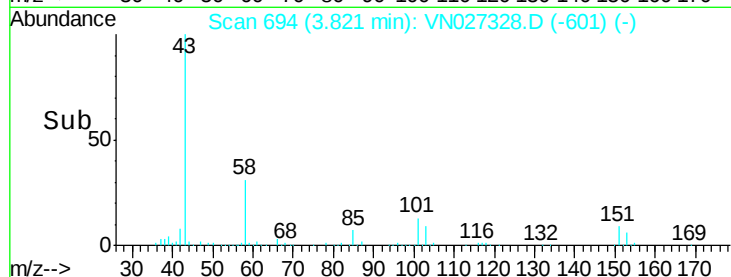
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#18

Carbon Disulfide

Concen: 38.19 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027328.D

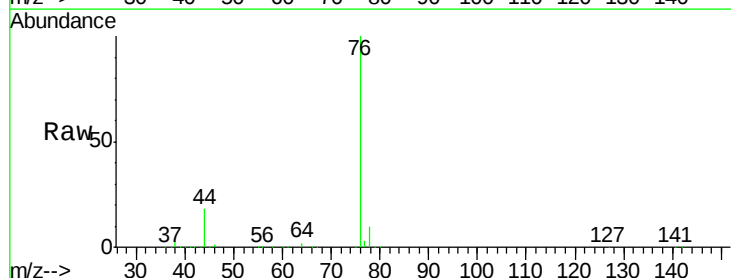
Acq: 21 Sep 2015 11:49

Tgt Ion: 76 Resp: 986967

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

400000

300000

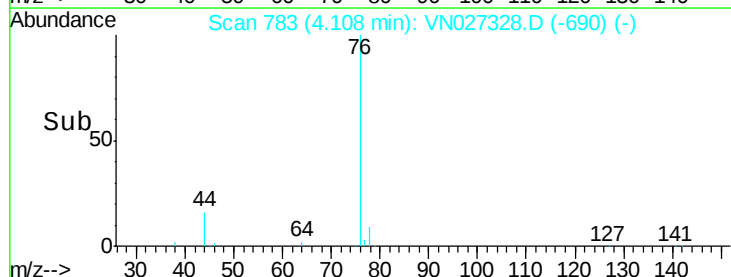
200000

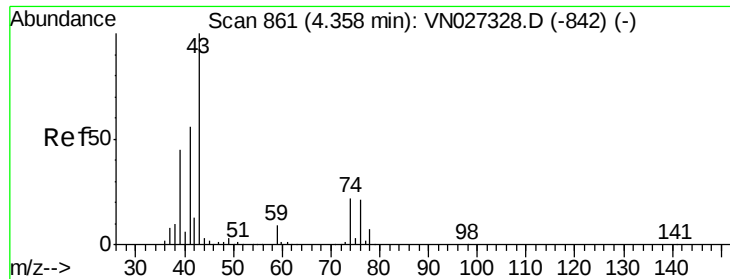
100000

0

4.00 4.10 4.20 4.30

Time-->





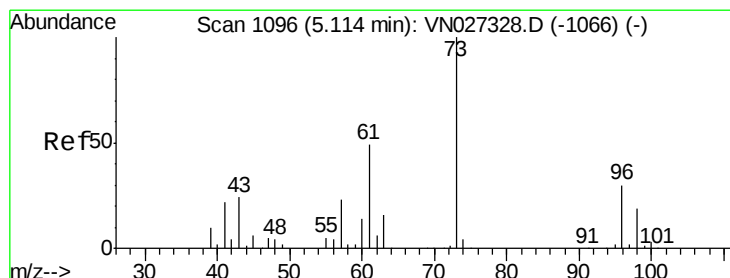
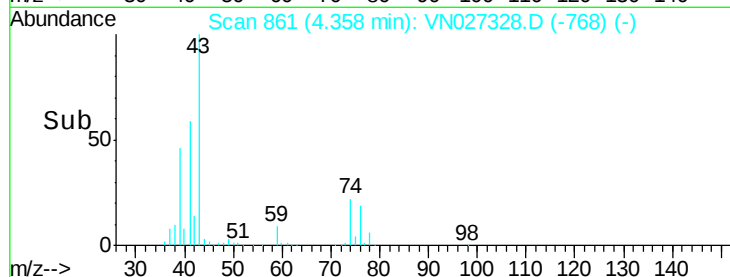
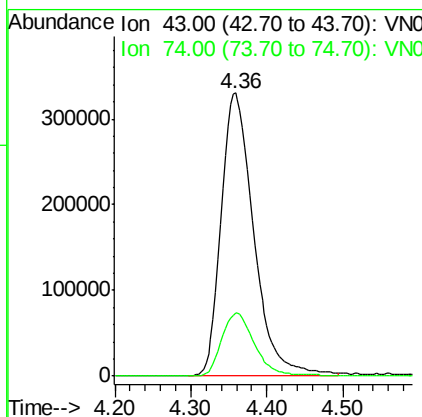
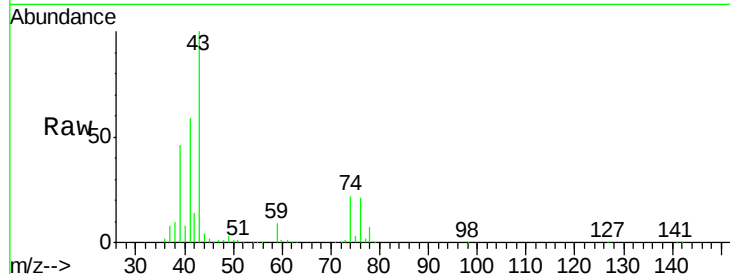
#19
Methvl Acetate
Concen: 39.64 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 980249
Ion Ratio Lower Upper
43 100
74 22.3 16.2 24.2

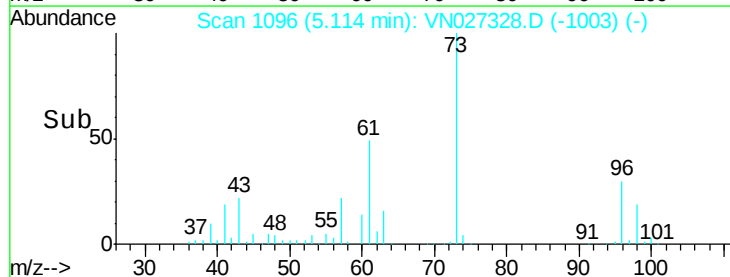
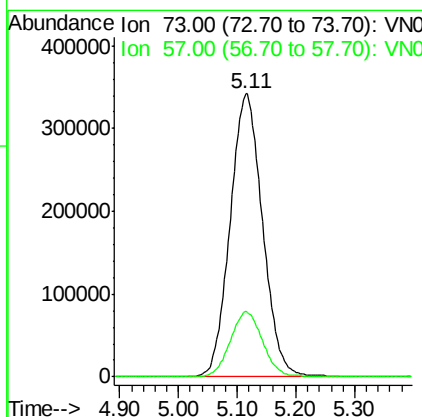
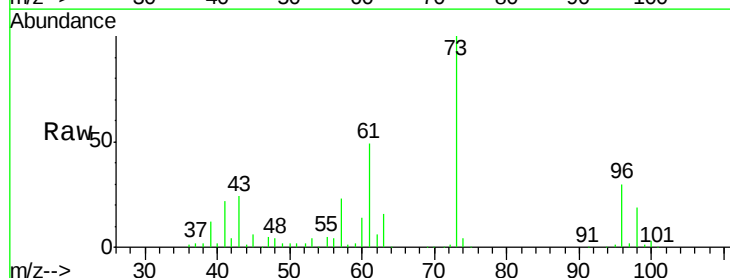
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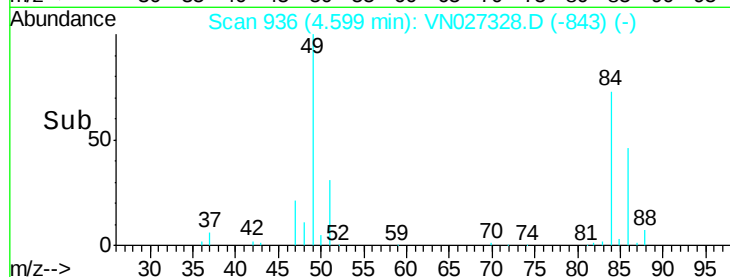
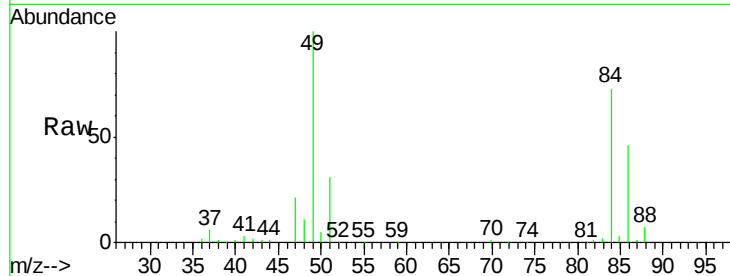
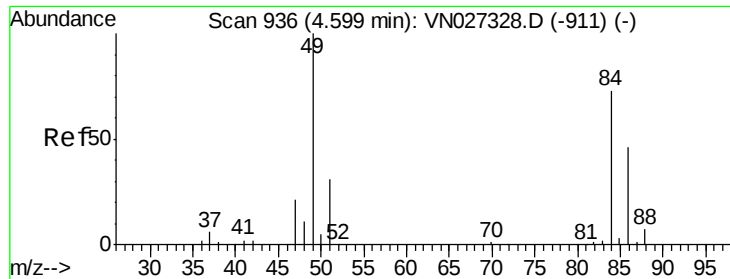
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9/22/2015 2:27:54 PM



#20
Methyl tert-butyl Ether
Concen: 41.33 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion: 73 Resp: 1316603
Ion Ratio Lower Upper
73 100
57 23.0 19.8 29.6





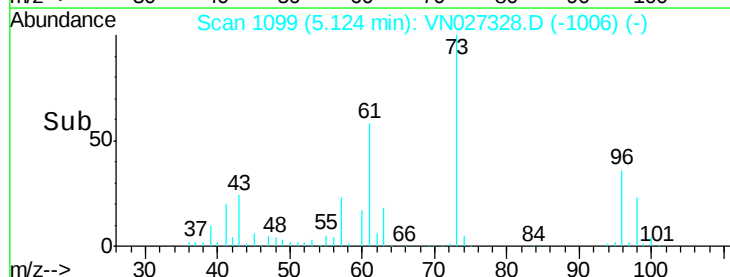
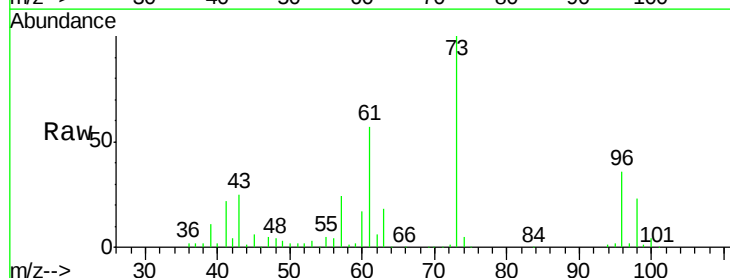
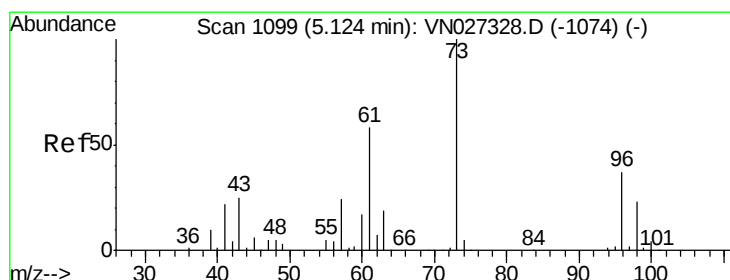
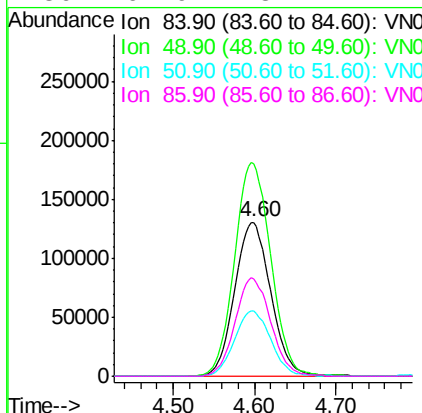
#21
Methvlene Chloride
Concen: 42.17 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	137.7	112.3	168.5		
51	42.1	33.8	50.8		
86	62.9	48.2	72.4		

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

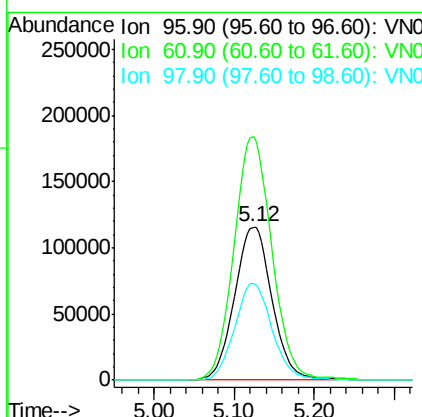
Manual Integrations
APPROVED

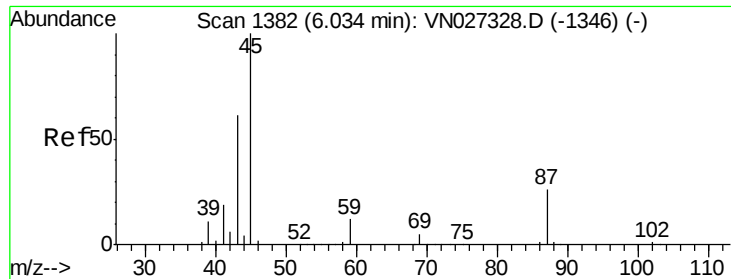
MMDadoda
9/22/2015 2:27:54 PM



#22
trans-1,2-Dichloroethene
Concen: 42.77 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	158.6	126.6	189.8		
98	62.8	47.4	71.2		





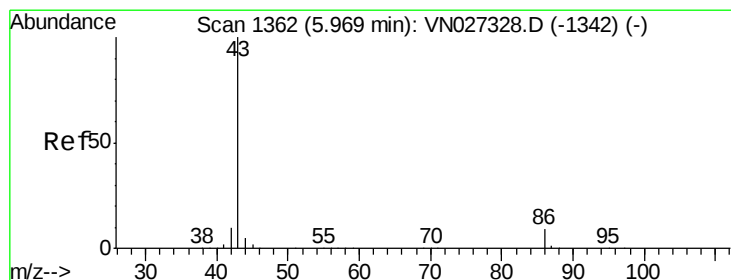
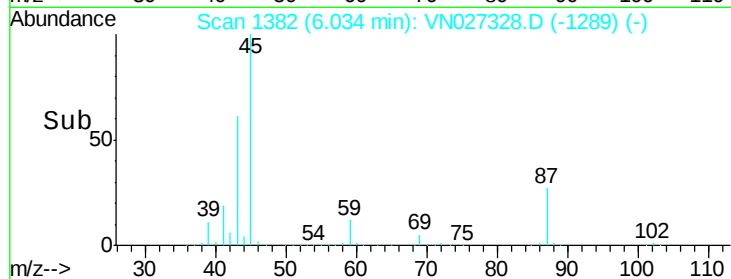
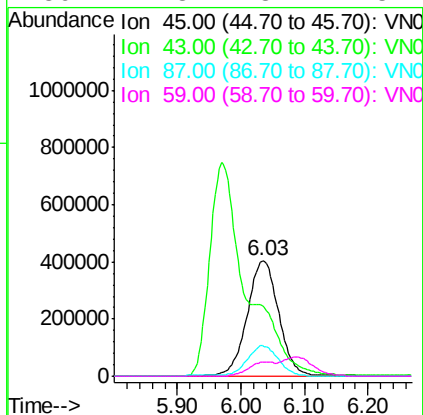
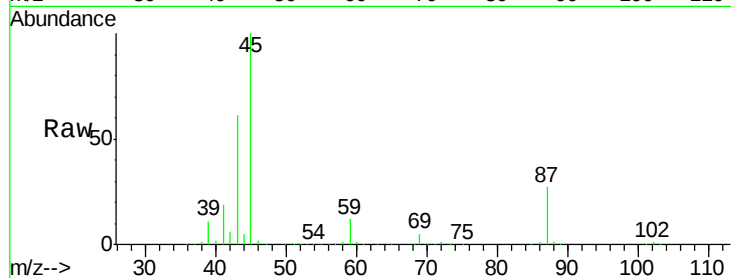
#23
Diisopropyl ether
Concen: 41.60 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
45	100		
43	60.6	41.0	61.6
87	26.4	17.5	26.3
59	11.8	8.7	13.1

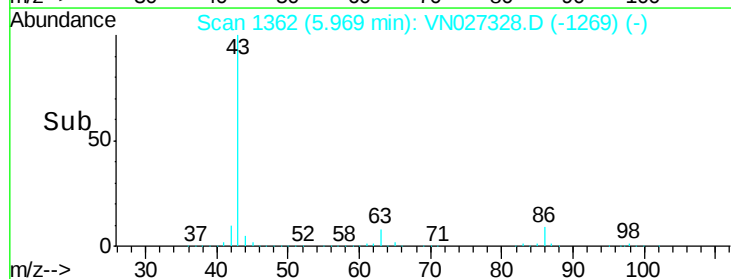
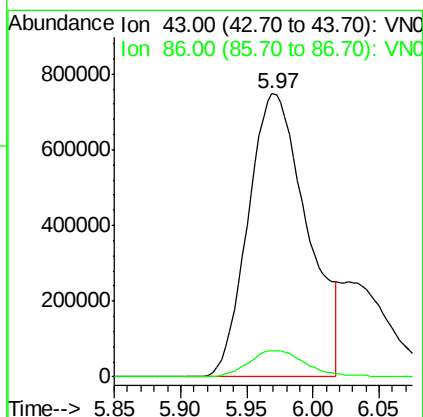
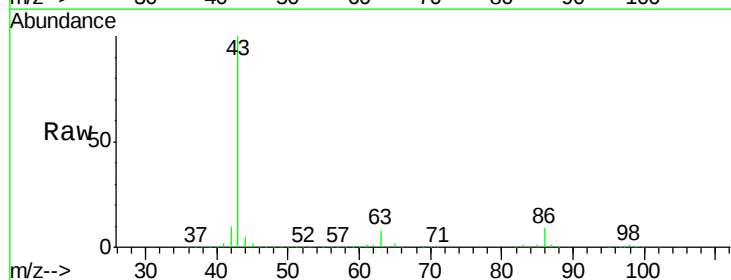
Manual Integrations
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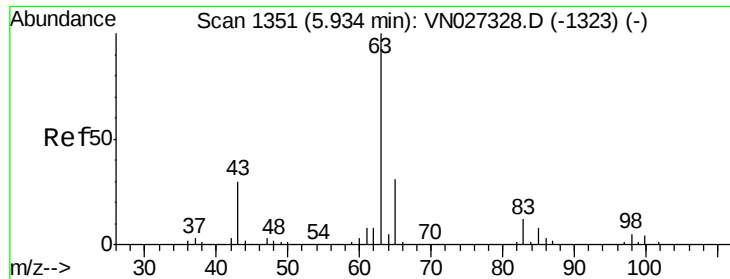
MMDadoda
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#24
Vinyl Acetate
Concen: 208.63 ug/l m
RT: 5.97 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.4	6.9	10.3





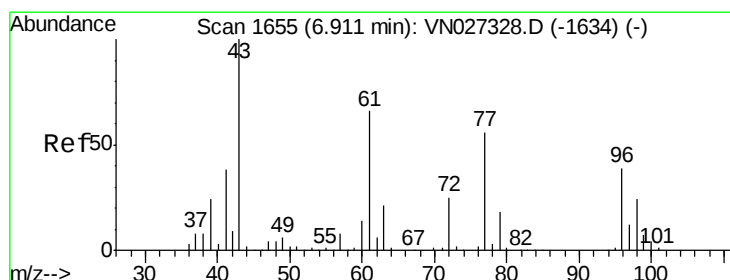
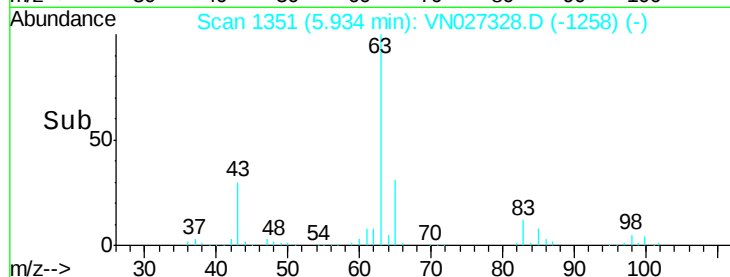
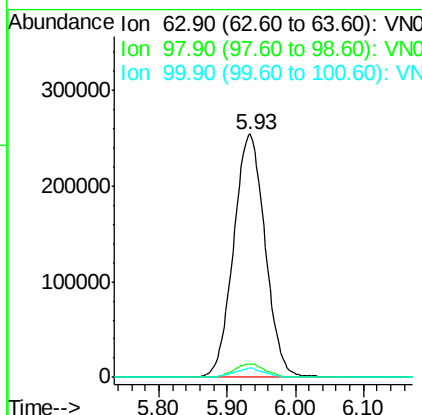
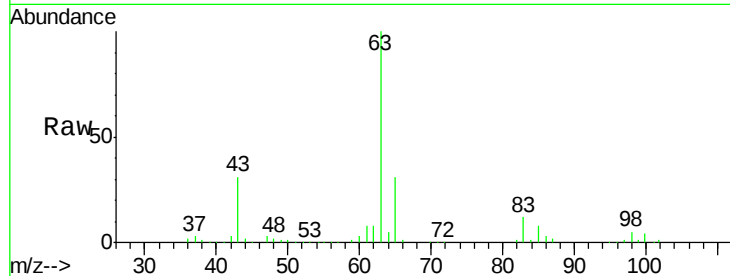
#25
 1,1-Dichloroethane
 Concen: 41.78 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.4		2.8	8.3
100	3.7		1.7	5.0

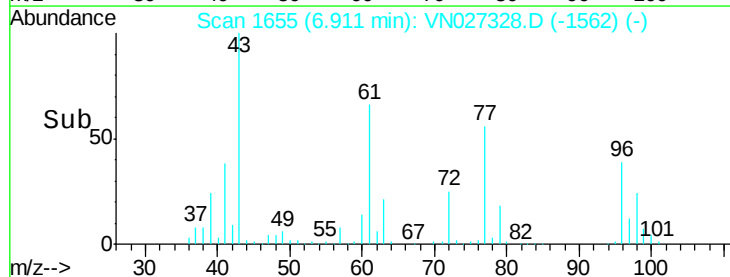
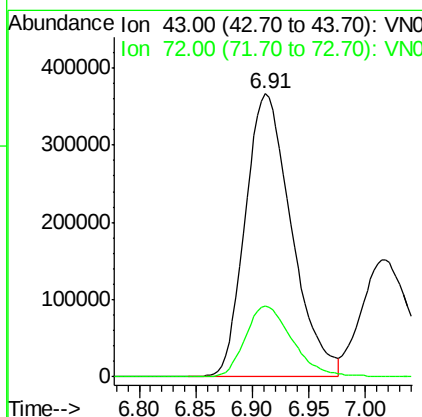
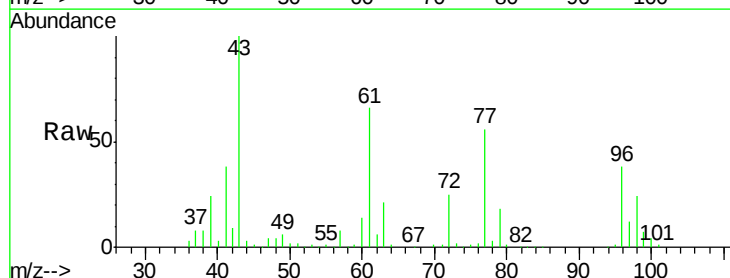
Manual Integrations
 APPROVED

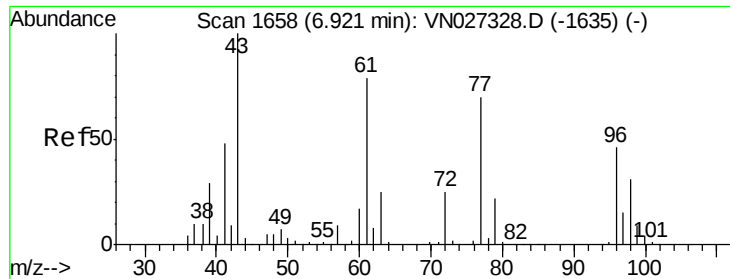
MMDadoda
 9/22/2015 2:27:54 PM



#26
 2-Butanone
 Concen: 201.59 ug/l
 RT: 6.91 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

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





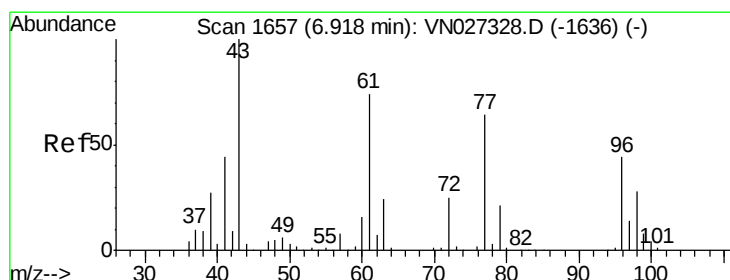
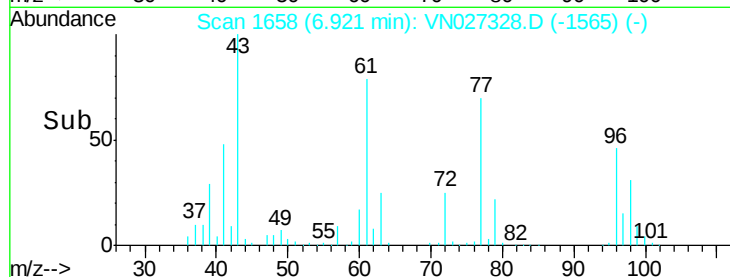
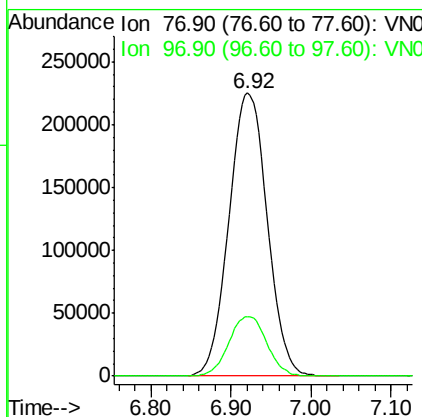
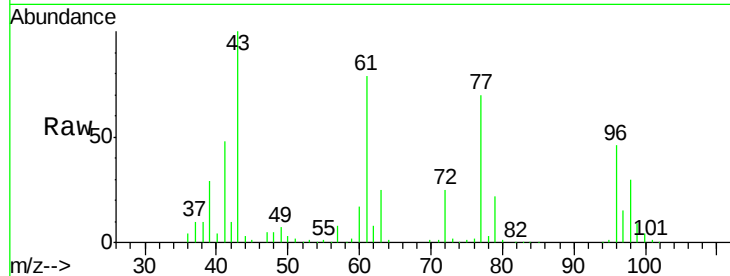
#27
 2,2-Dichloropropane
 Concen: 43.21 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.9	11.8	35.3

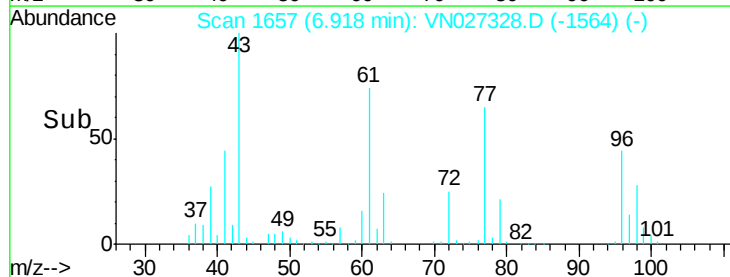
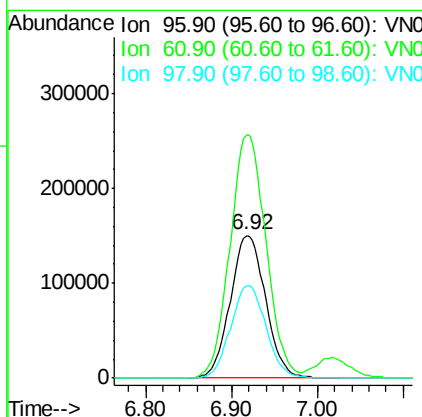
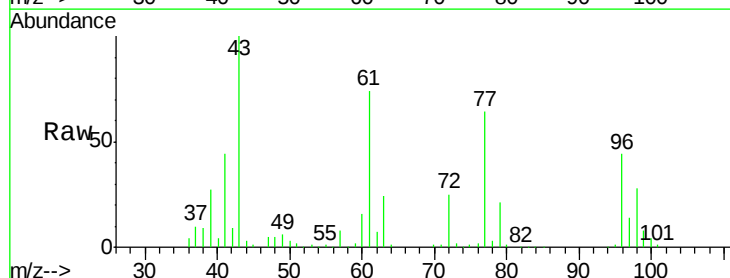
Manual Integrations
 APPROVED

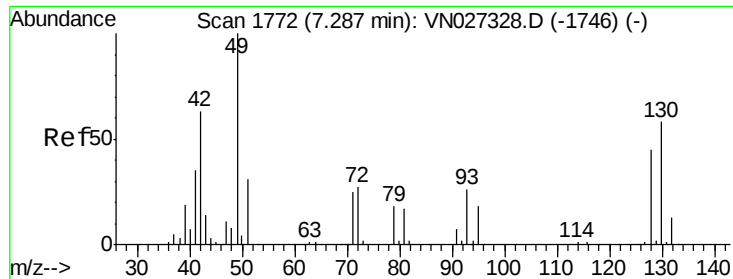
MMDadoda
 9/22/2015 2:27:54 PM



#28
 cis-1,2-Dichloroethene
 Concen: 43.63 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	0.0	329.2
98	65.0	0.0	126.0





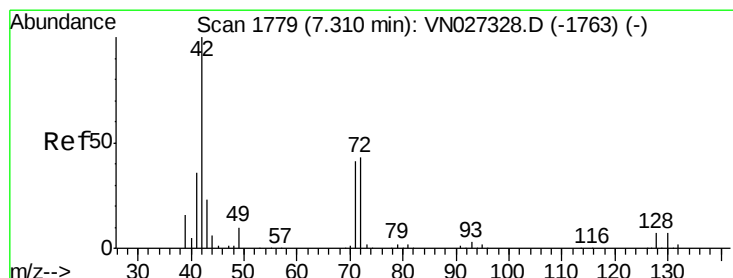
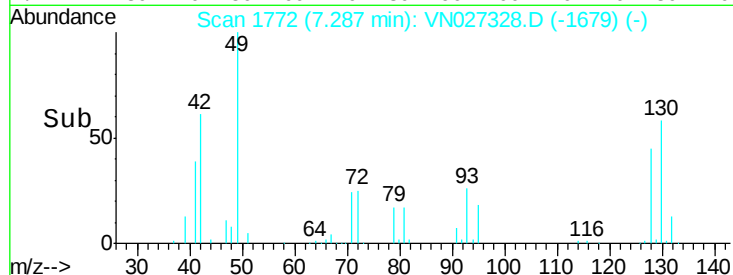
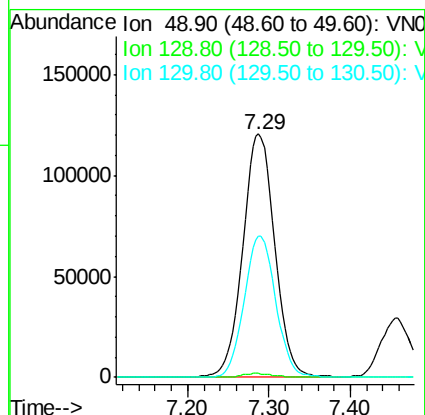
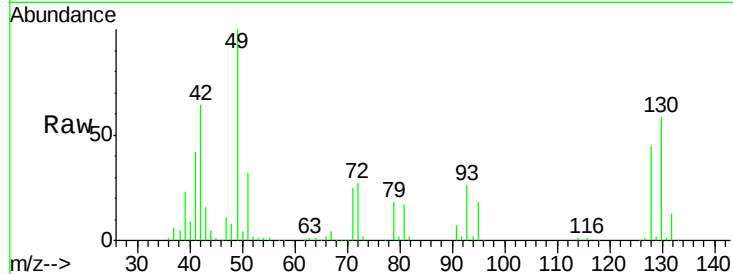
#29
Bromochloromethane
Concen: 43.00 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 49 Resp: 326044
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.2
130 56.9 43.2 64.8

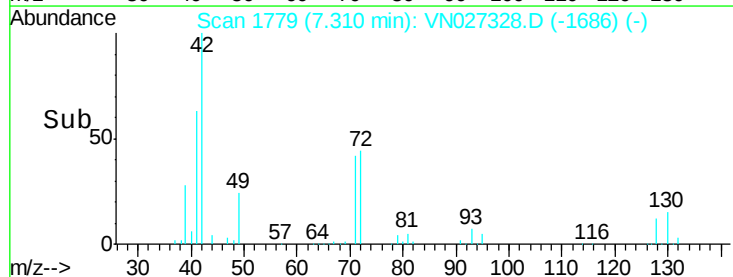
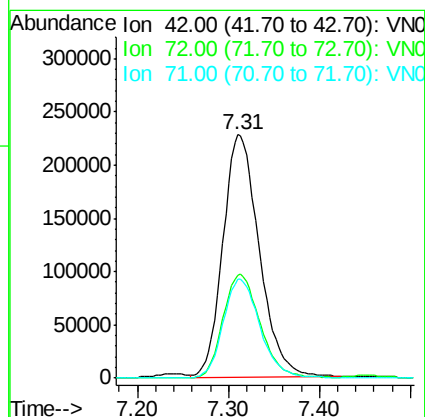
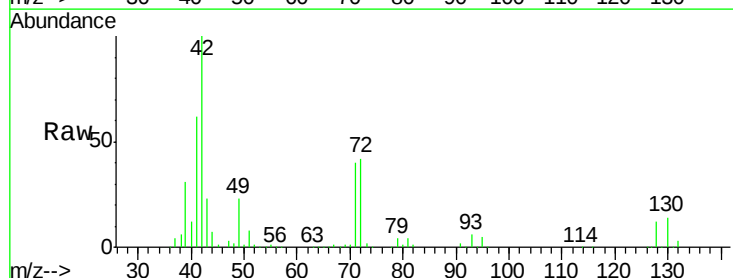
Manual Integrations
APPROVED

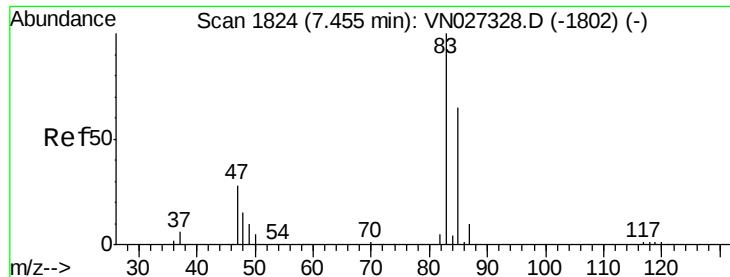
MMDadoda
9/22/2015 2:27:54 PM



#30
Tetrahydrofuran
Concen: 177.71 ug/l
RT: 7.31 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion: 42 Resp: 629712
Ion Ratio Lower Upper
42 100
72 43.8 29.9 44.9
71 41.7 28.3 42.5





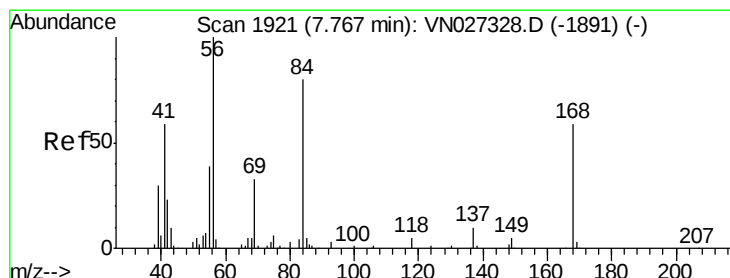
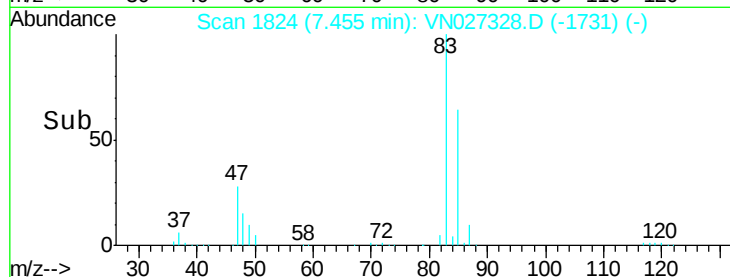
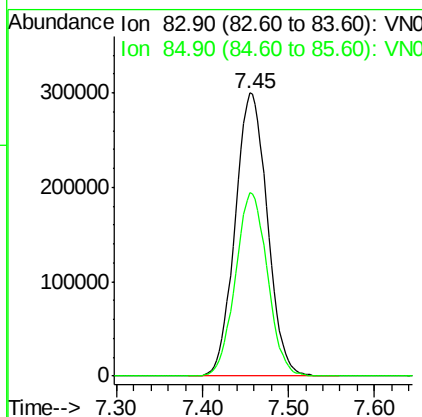
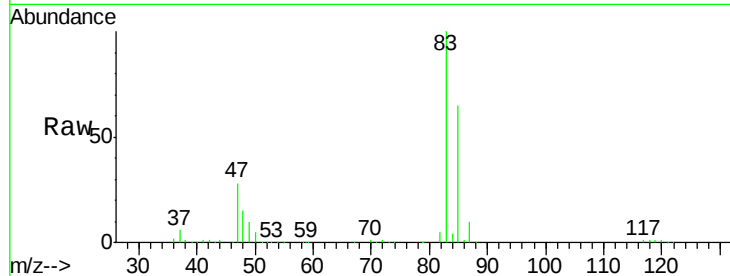
#31
Chloroform
Concen: 44.26 ug/l
RT: 7.45 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	781369
Ion Ratio	100	Lower	Upper
85	64.7	51.1	76.7

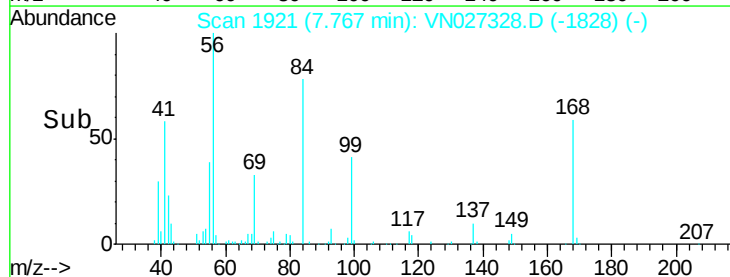
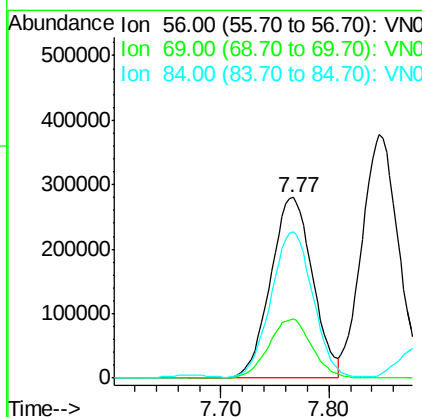
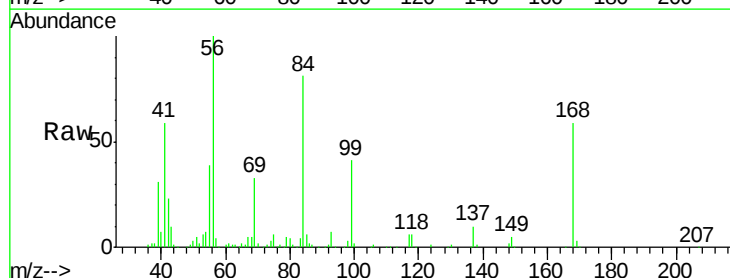
Manual Integrations
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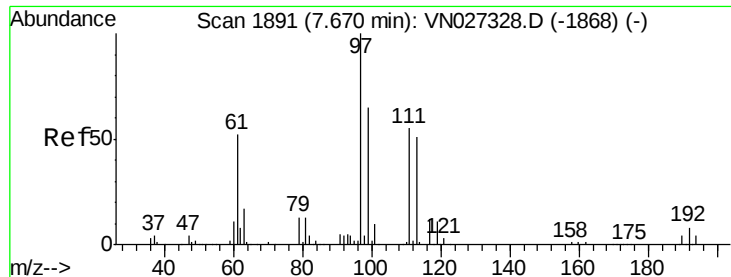
MMDadoda
9/22/2015 2:27:54 PM



#32
Cyclohexane
Concen: 34.97 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	56	Resp	758643
Ion Ratio	100	Lower	Upper
69	32.9	23.0	34.4
84	79.9	57.8	86.8





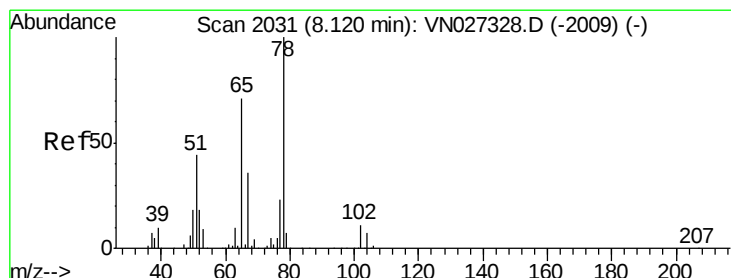
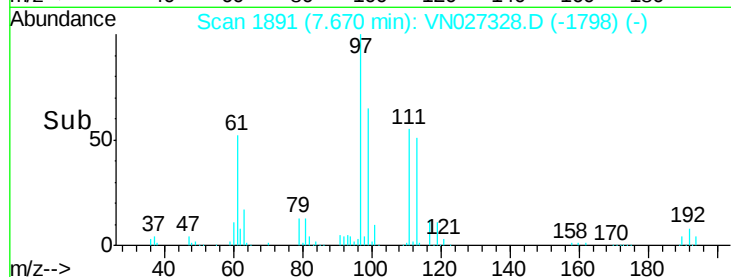
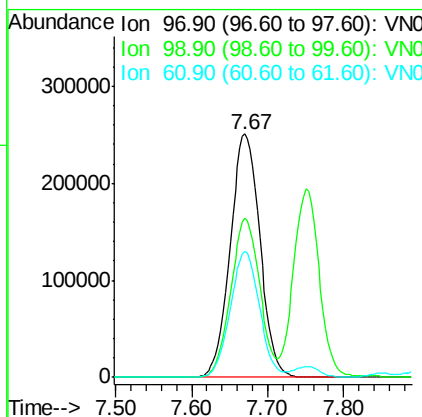
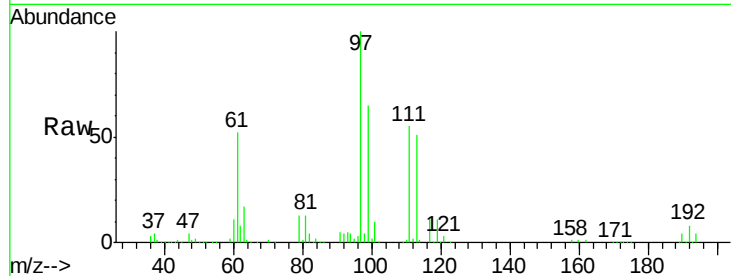
#33
 1,1,1-Trichloroethane
 Concen: 43.26 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	680826		
99	63.9		50.1	75.1
61	50.9		44.0	66.0

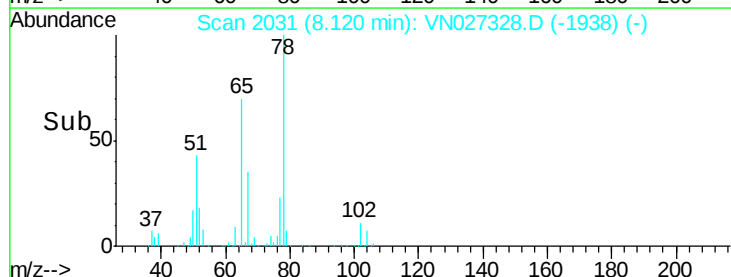
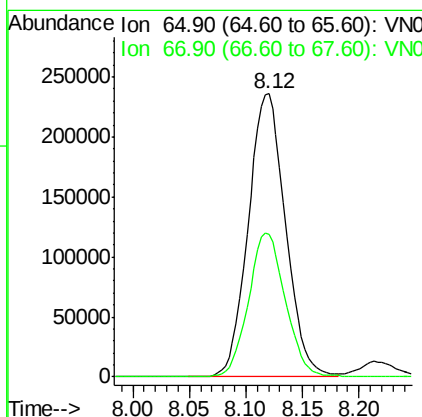
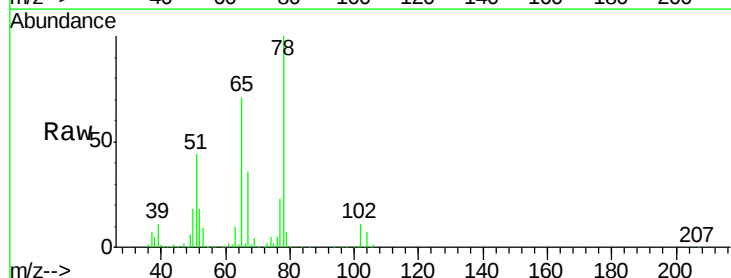
Manual Integrations
 APPROVED

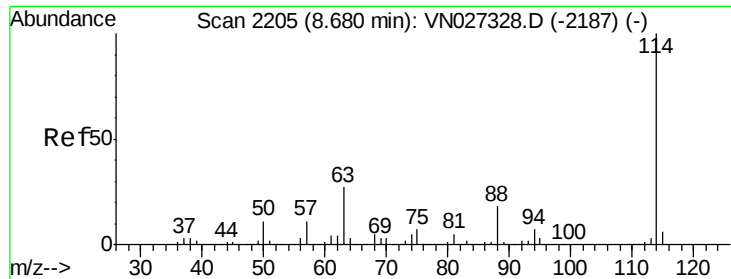
MMDadoda
 9/22/2015 2:27:54 PM



#34
 1,2-Dichloroethane-d4
 Concen: 42.64 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	540028		
67	50.5		0.0	110.6





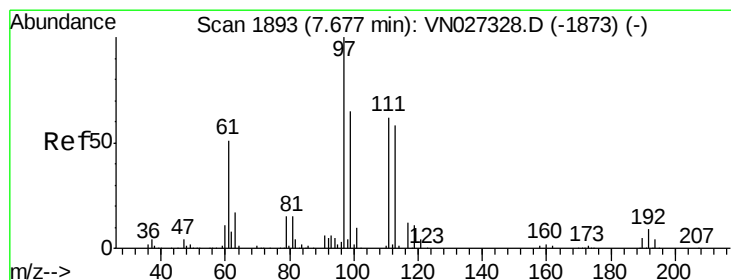
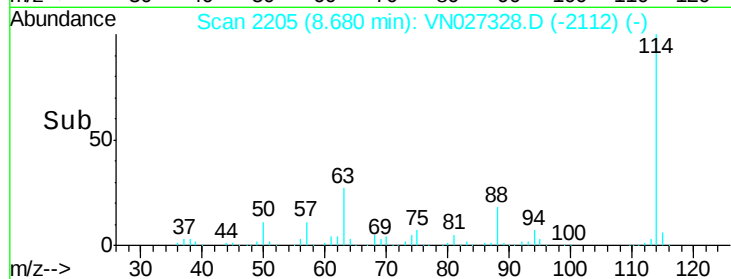
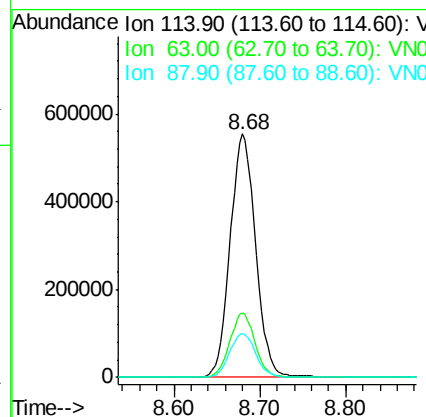
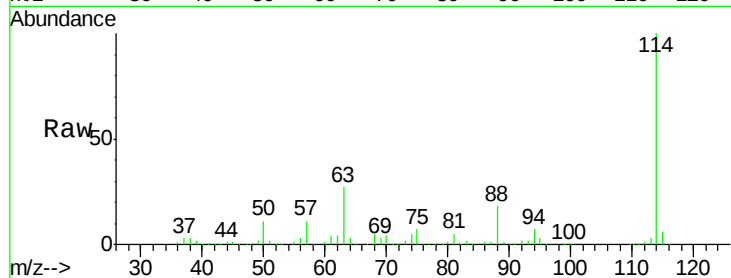
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	0.0	48.8
88	18.2	0.0	32.2

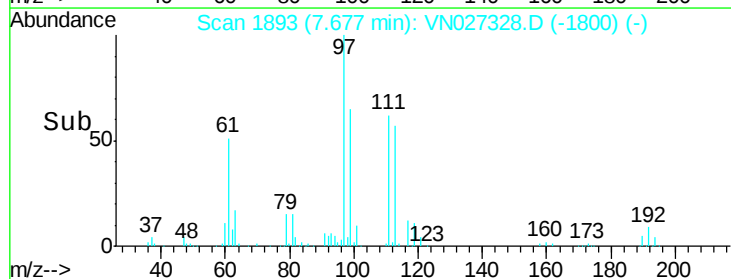
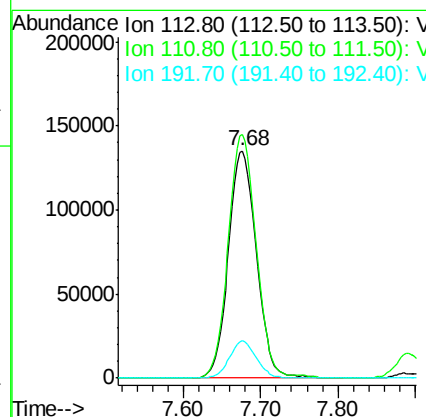
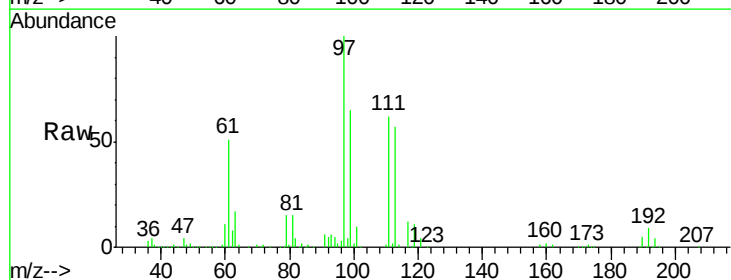
Manual Integrations
 APPROVED

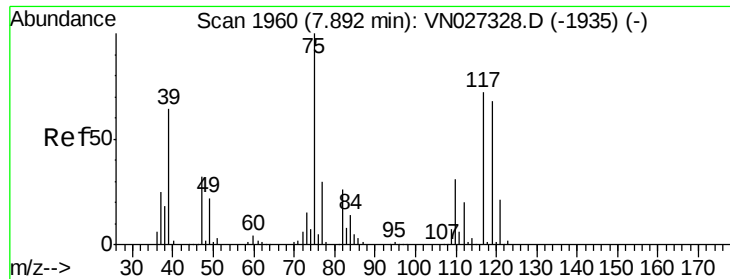
MMDadoda
 9/22/2015 2:27:54 PM



#36
 Dibromofluoromethane
 Concen: 43.00 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.0	124.4
192	15.8	14.1	21.1





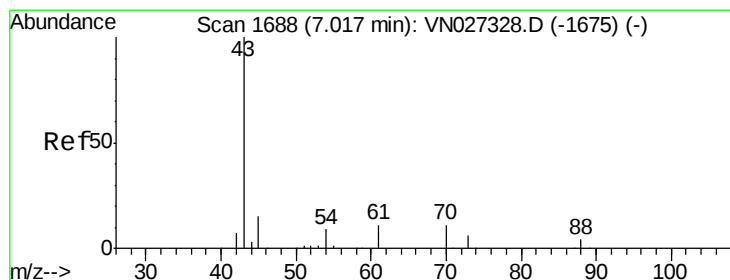
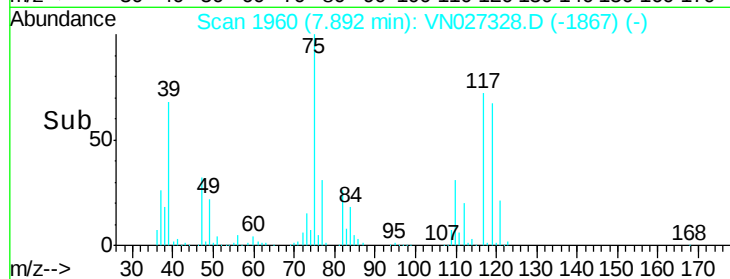
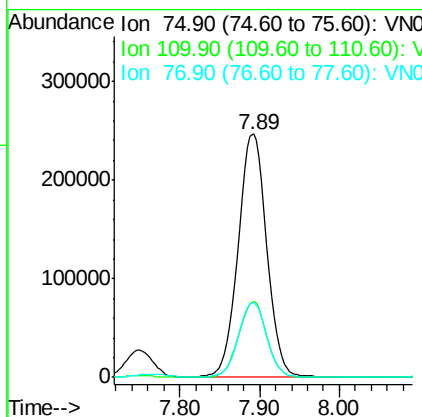
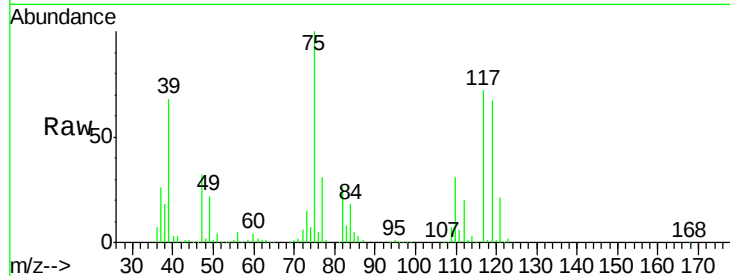
#37
 1,1-Dichloropropene
 Concen: 44.26 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.7	15.9	47.7
77	30.5	24.9	37.3

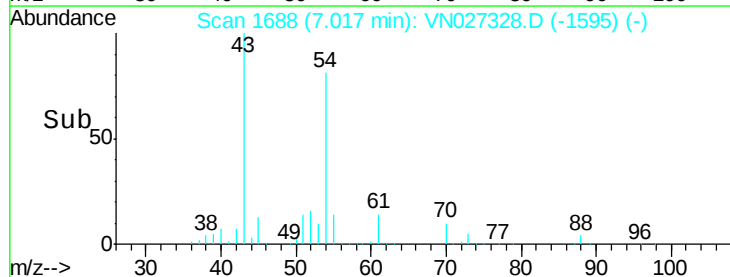
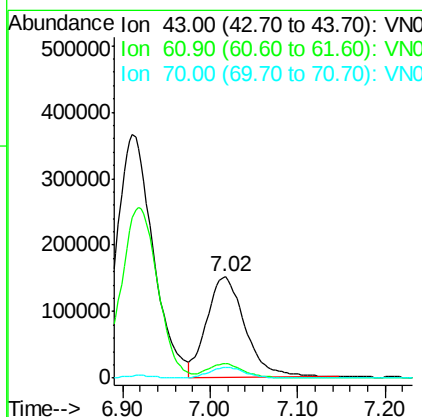
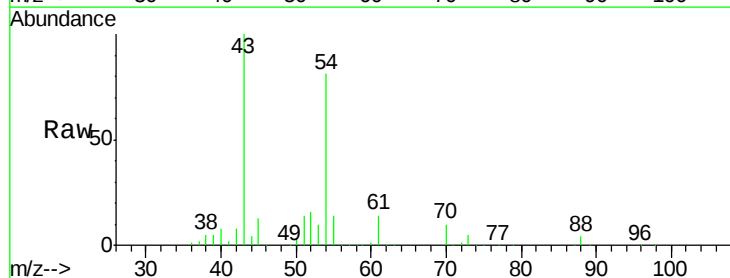
Manual Integrations
 APPROVED

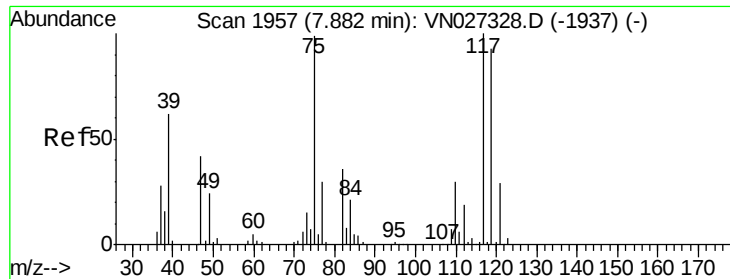
MMDadoda
 9/22/2015 2:27:54 PM



#38
 Ethyl Acetate
 Concen: 37.37 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.4
70	9.9	7.4	11.0





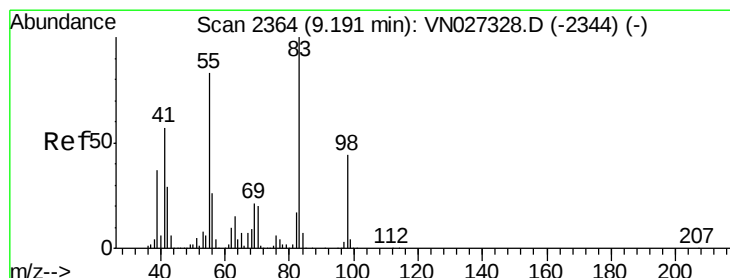
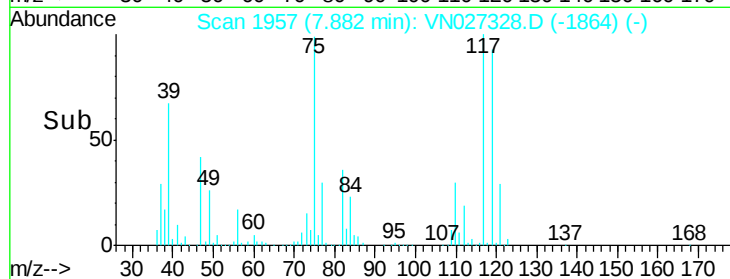
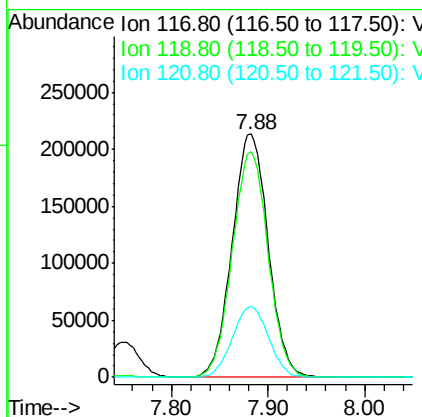
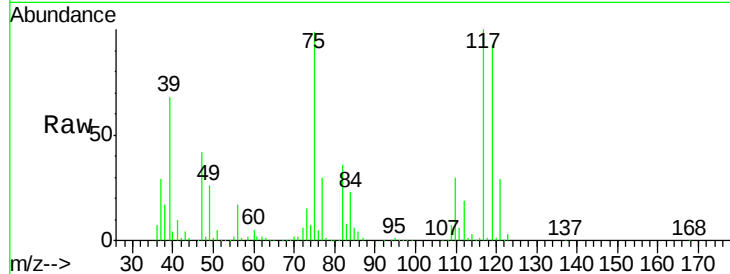
#39
Carbon Tetrachloride
Concen: 43.83 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.3	112.9
121	29.1	23.8	35.8

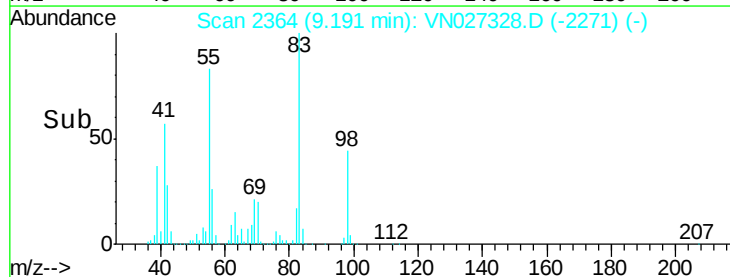
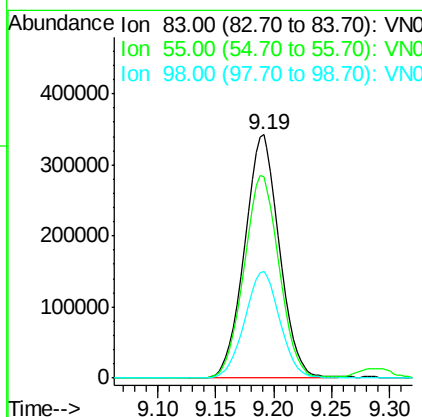
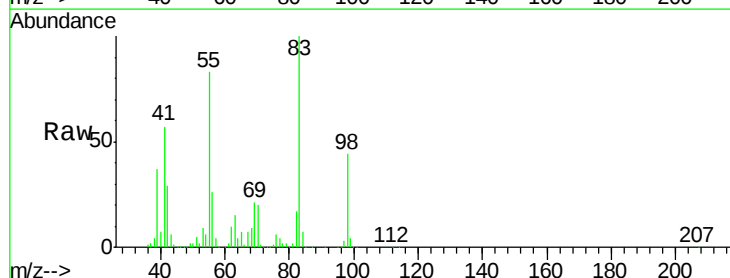
Manual Integrations
APPROVED

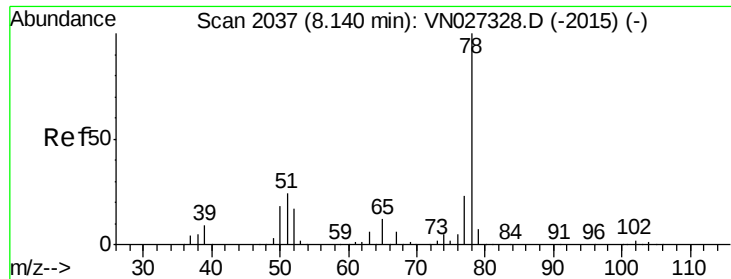
MMDadoda
9/22/2015 2:27:54 PM



#40
Methylcyclohexane
Concen: 43.99 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.6	69.8	104.8
98	43.7	34.3	51.5





#41

Benzene

Concen: 43.54 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 78 Resp: 1695112

Ion Ratio Lower Upper

78 100

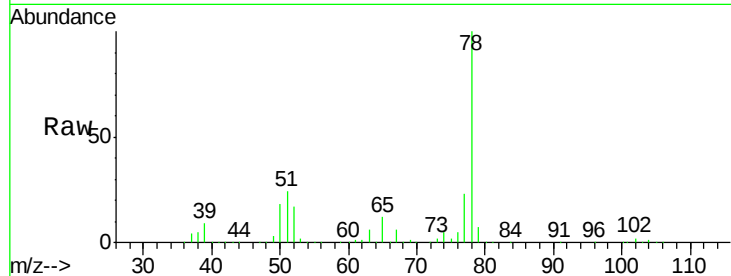
77 22.9 19.0 28.4

Manual Integrations

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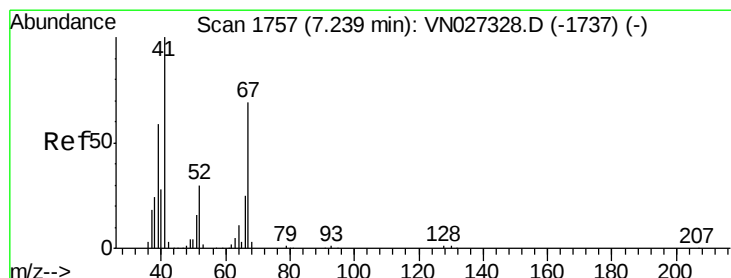
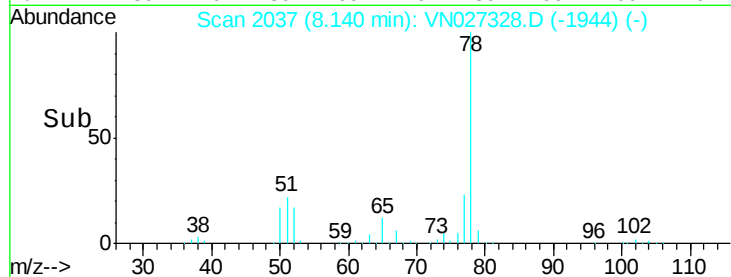
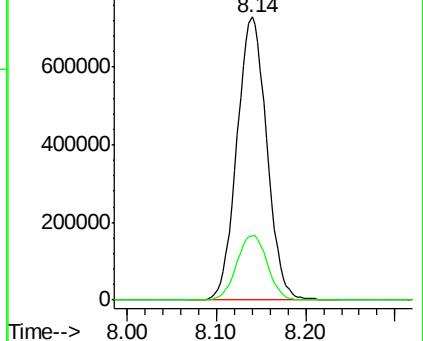
MMDadoda

9/22/2015 2:27:54 PM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

Methacrylonitrile

Concen: 40.68 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Tgt Ion: 41 Resp: 262351

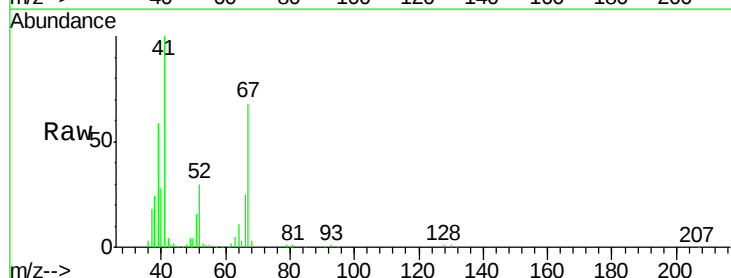
Ion Ratio Lower Upper

41 100

39 59.0 43.0 64.6

67 74.6 52.2 78.2

52 33.3 21.3 31.9#

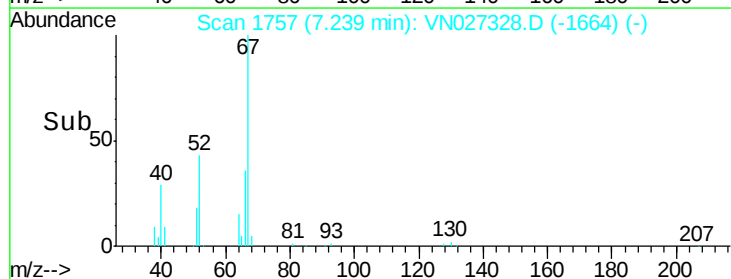
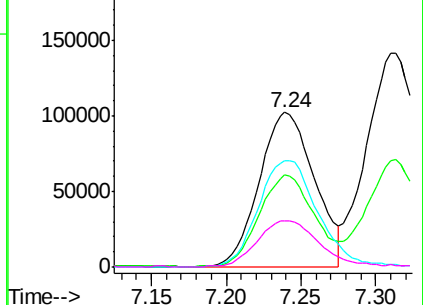


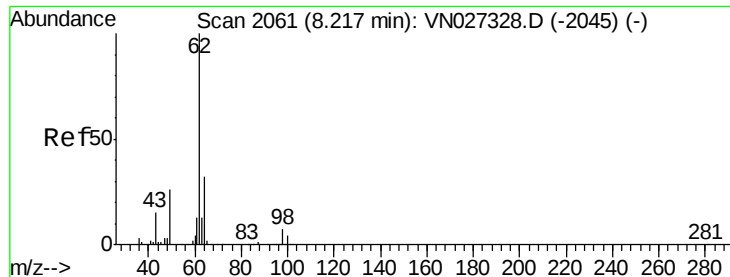
Abundance Ion 41.00 (40.70 to 41.70): VN0

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





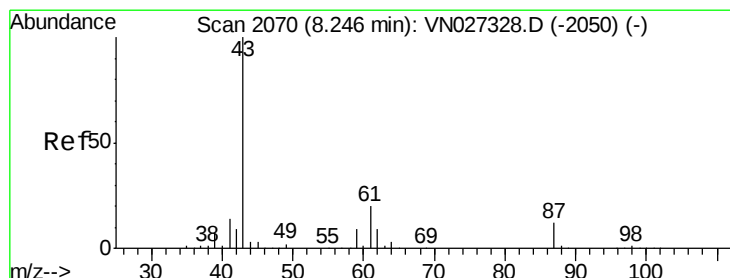
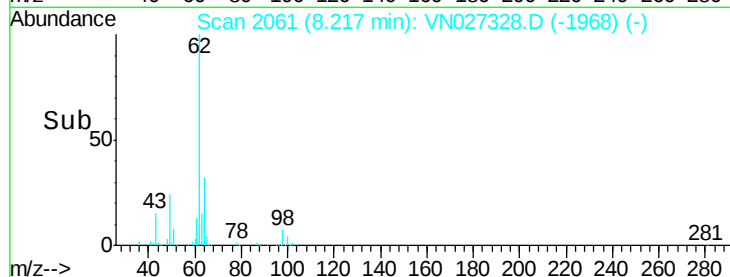
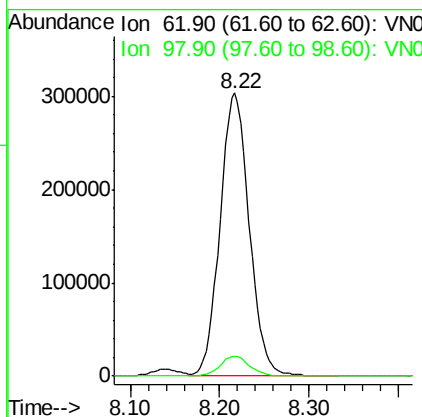
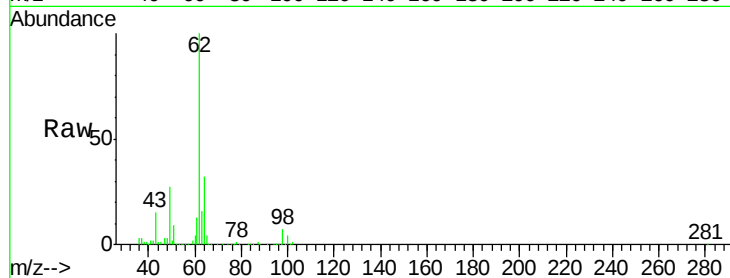
#43
 1,2-Dichloroethane
 Concen: 43.67 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
62	100	684833		
98	7.1	0.0	18.0	

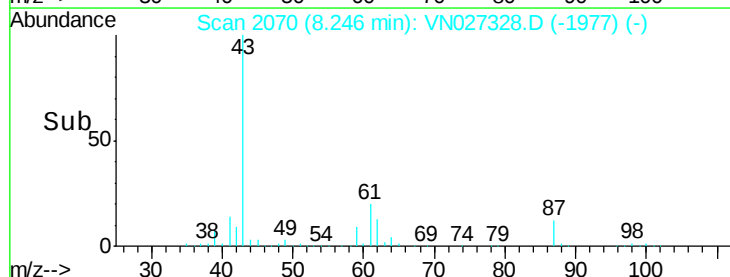
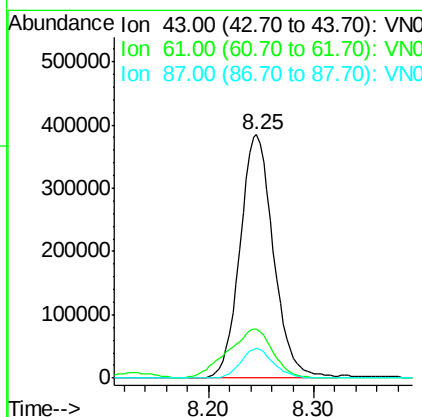
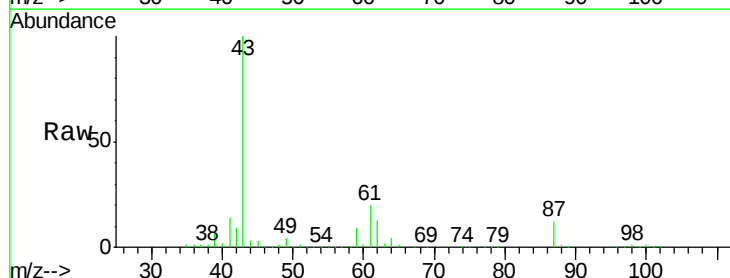
Manual Integrations
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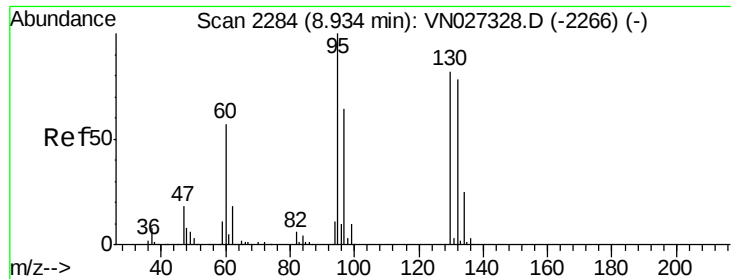
MMDadoda
 9/22/2015 2:27:54 PM



#44
 Isopropyl Acetate
 Concen: 39.51 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	842437		
61	27.6	20.6	31.0	
87	12.1	8.6	13.0	





#45

Trichloroethene

Concen: 44.70 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:130 Resp: 349541

Ion Ratio Lower Upper

130 100

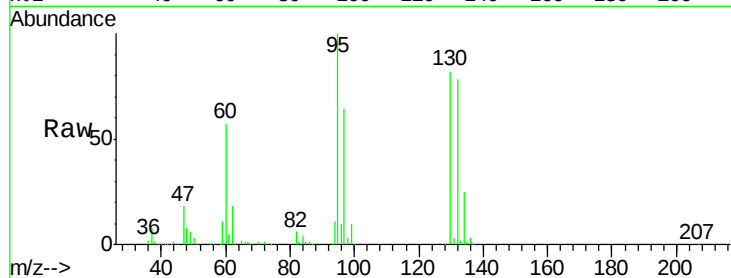
95 121.4 0.0 222.2

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO

200000

150000

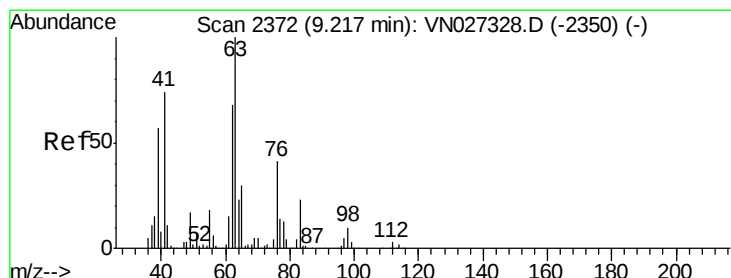
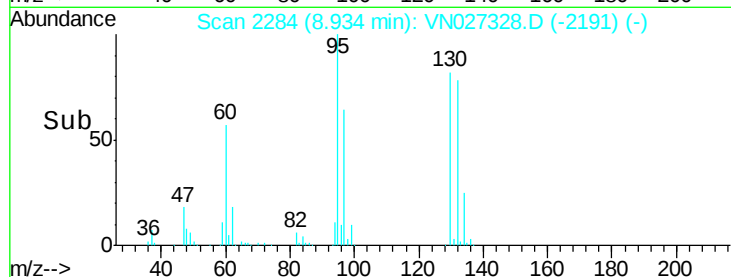
100000

50000

0

8.90 8.93 9.00

Time-->



#46

1,2-Dichloropropane

Concen: 42.16 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027328.D

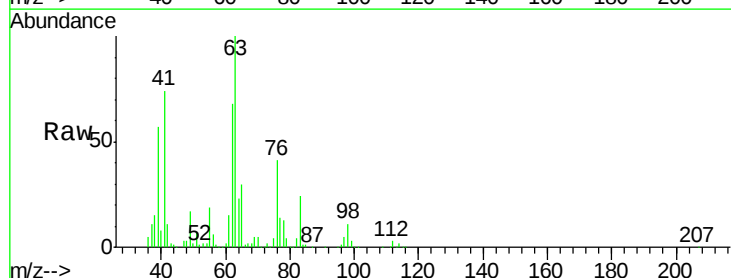
Acq: 21 Sep 2015 11:49

Tgt Ion: 63 Resp: 472161

Ion Ratio Lower Upper

63 100

65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

250000

200000

150000

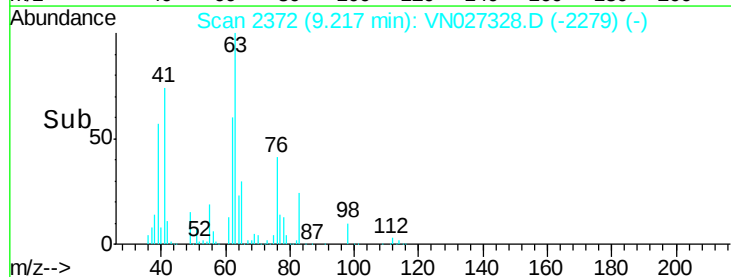
100000

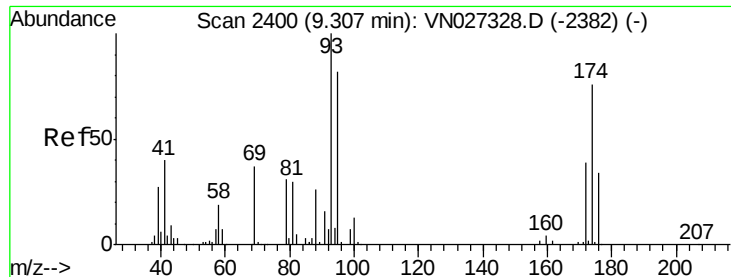
50000

0

9.10 9.22 9.30

Time-->





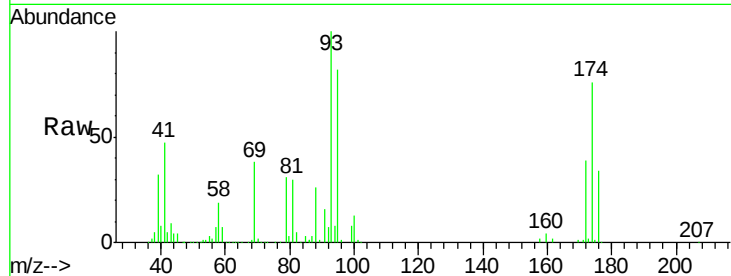
#47
Dibromomethane
Concen: 43.57 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

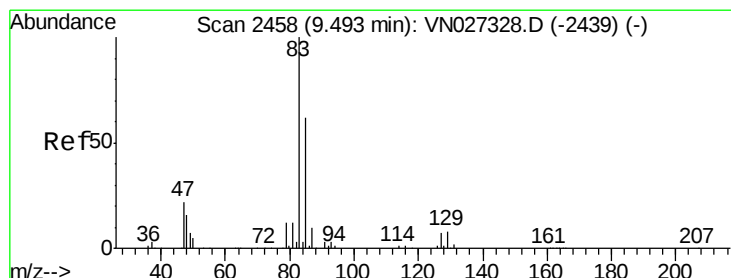
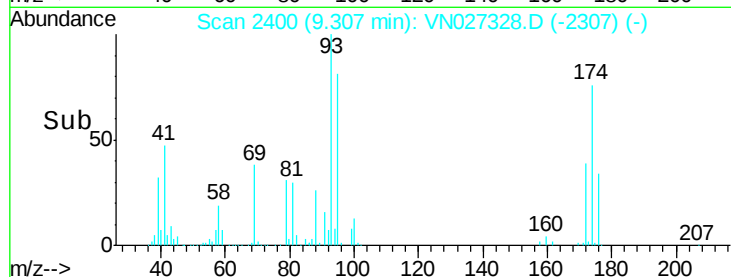
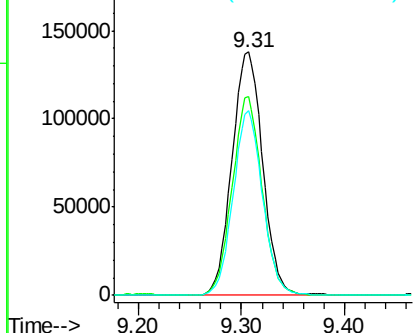
Tot Ion	Ratio	Resp	Lower	Upper
93	100	286525		
95	79.3	66.3	99.5	
174	72.5	67.8	101.6	

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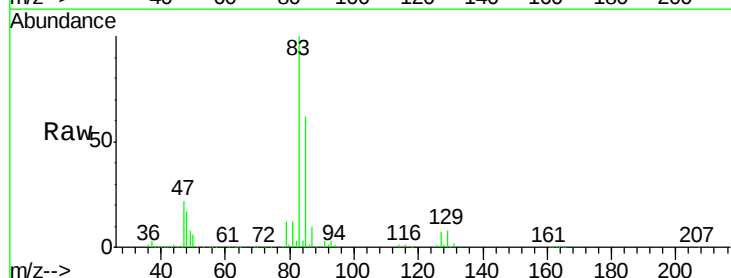


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

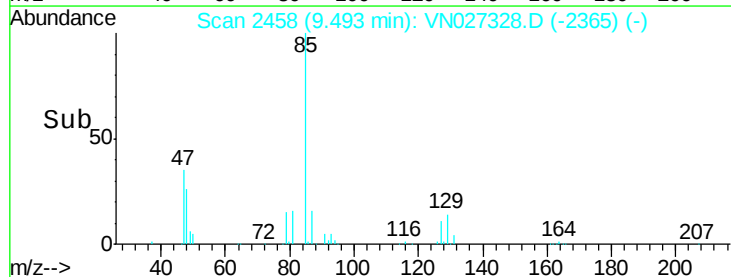
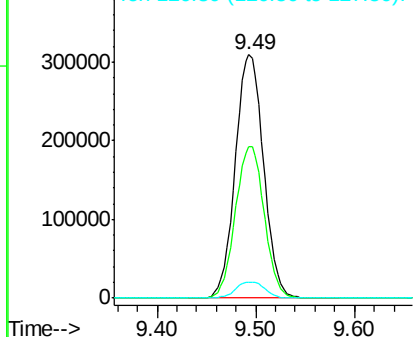


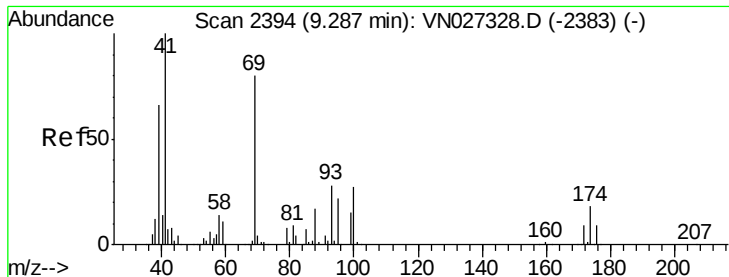
#48
Bromodichloromethane
Concen: 44.34 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	614565		
85	62.4	50.7	76.1	
127	6.6	5.5	8.3	



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V





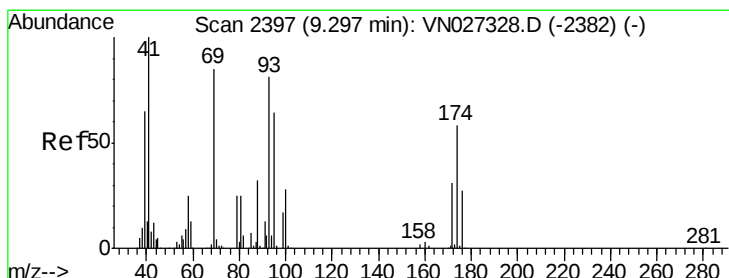
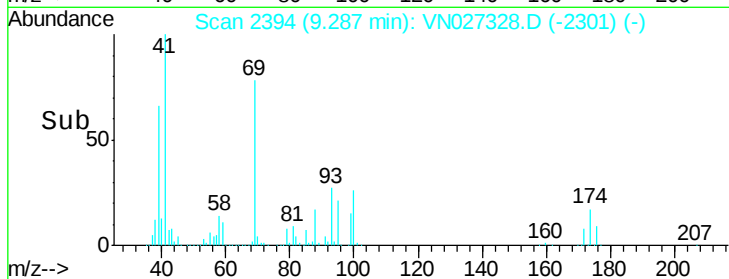
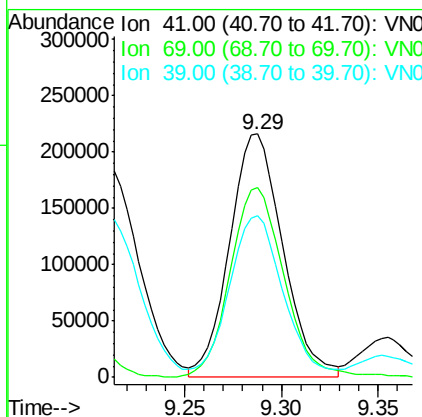
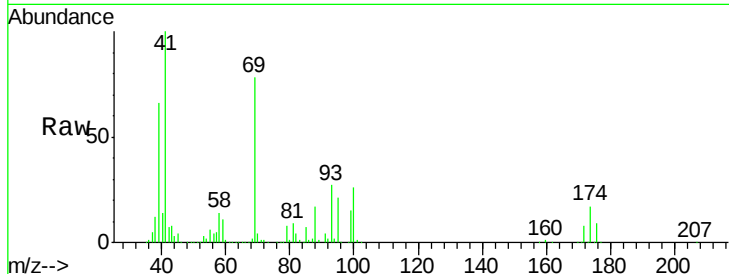
#49
Methvl methacrylate
Concen: 38.83 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	412444		
69	78.7	59.3	88.9	
39	66.9	39.5	59.3#	

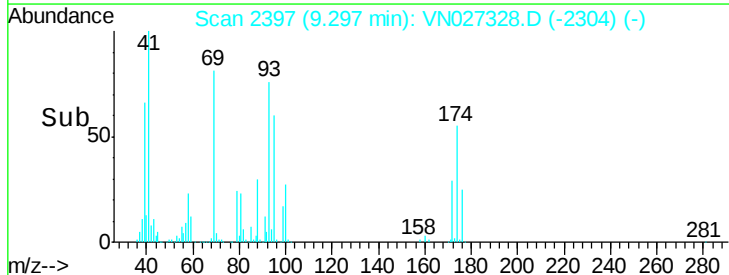
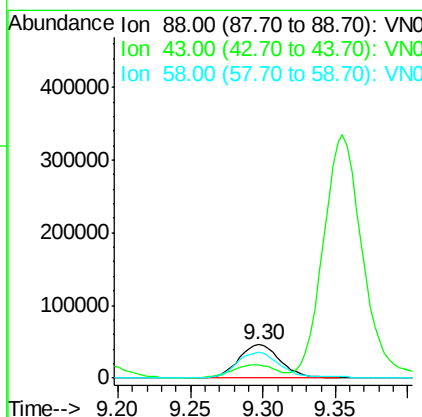
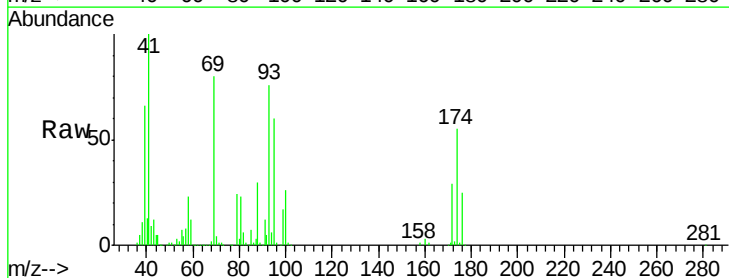
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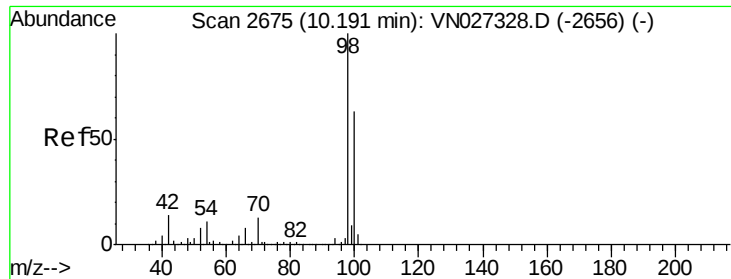
MMDadoda
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#50
1,4-Dioxane
Concen: 741.04 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	92325		
43	39.0	27.6	41.4	
58	79.8	63.1	94.7	





#51

Toluene-d8

Concen: 42.61 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 98 Resp: 1318092

Ion Ratio Lower Upper

98 100

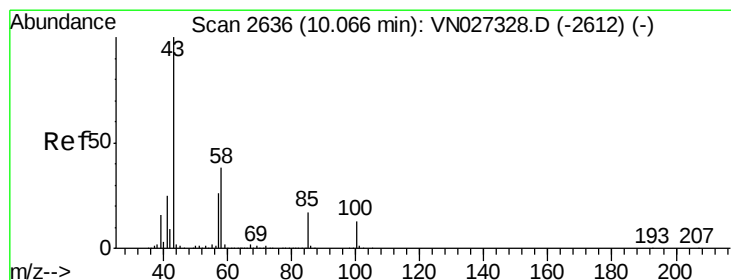
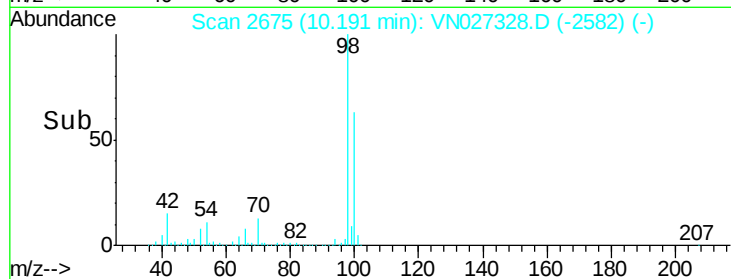
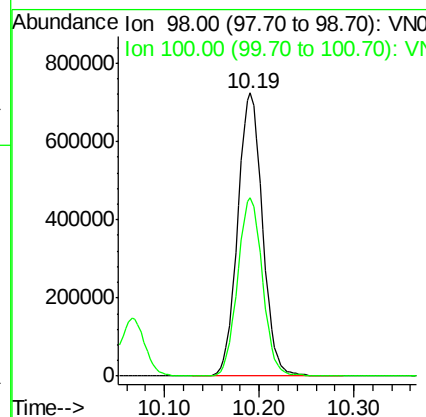
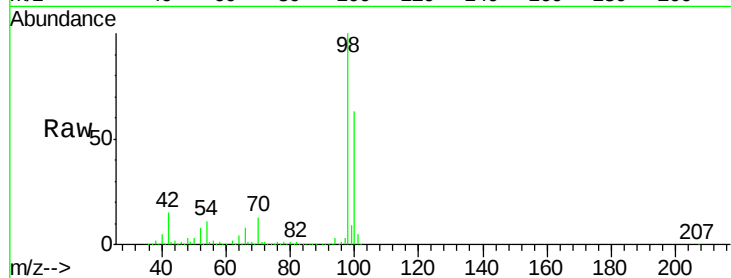
100 63.4 50.5 75.7

Manual Integrations

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#52

4-Methyl-2-Pentanone

Concen: 191.62 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027328.D

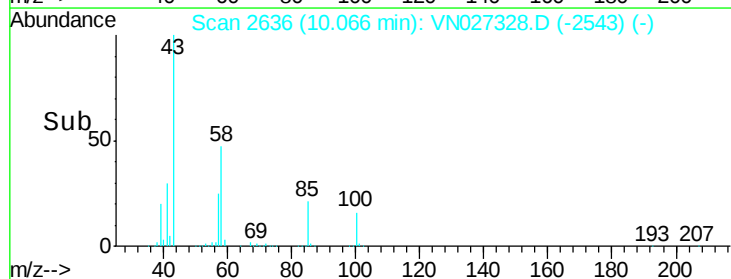
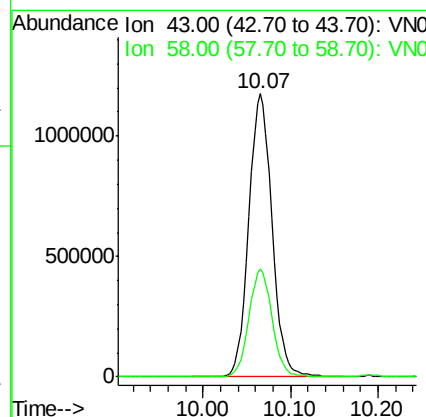
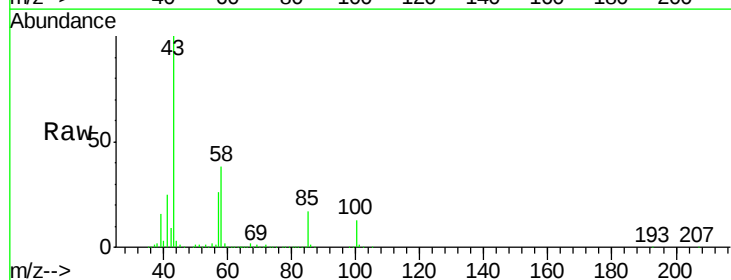
Acq: 21 Sep 2015 11:49

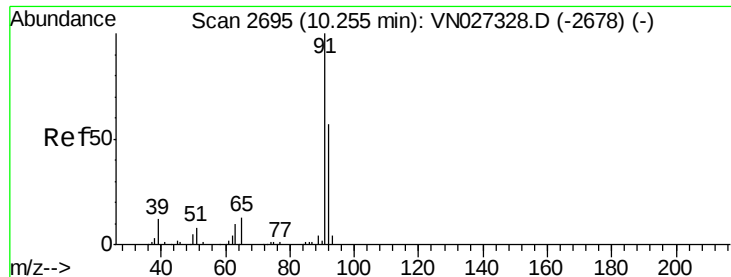
Tgt Ion: 43 Resp: 2160132

Ion Ratio Lower Upper

43 100

58 38.2 29.8 44.8





#53

Toluene

Concen: 44.14 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 92 Resp: 1006461

Ion Ratio Lower Upper

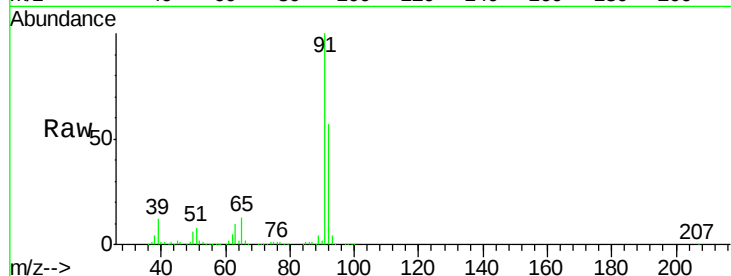
92 100

91 173.7 141.4 212.2

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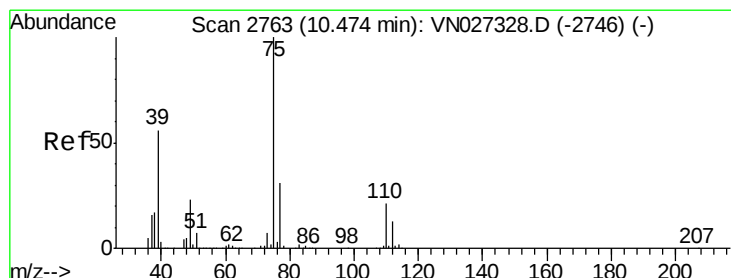
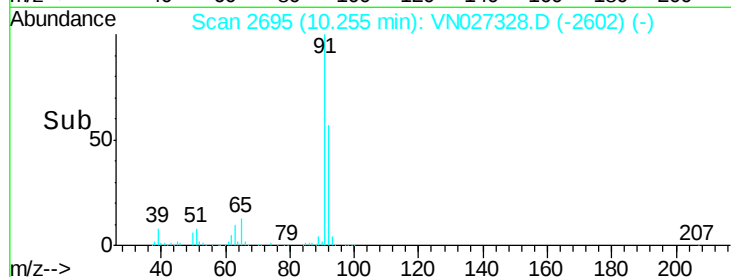
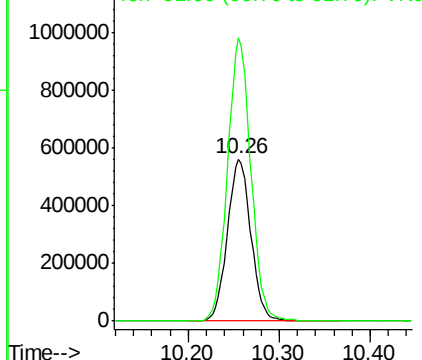
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

t-1,3-Dichloropropene

Concen: 42.57 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027328.D

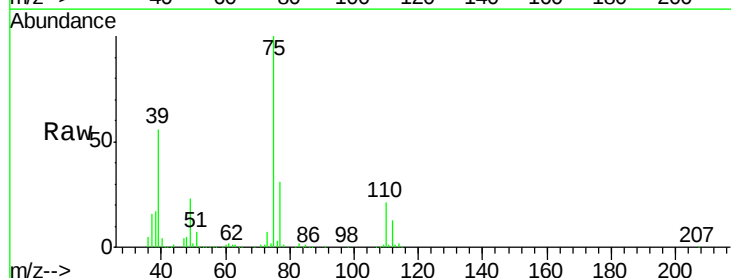
Acq: 21 Sep 2015 11:49

Tgt Ion: 75 Resp: 662553

Ion Ratio Lower Upper

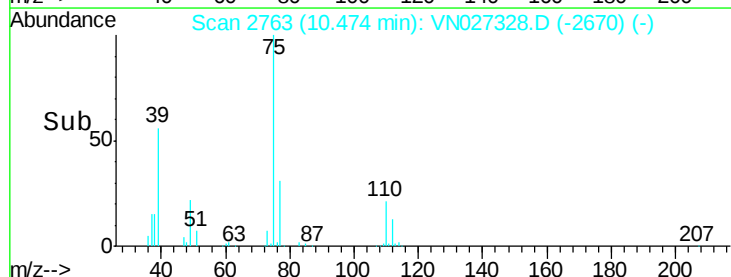
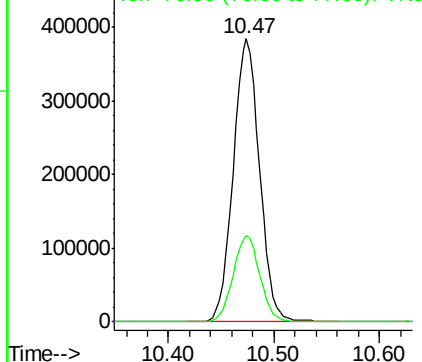
75 100

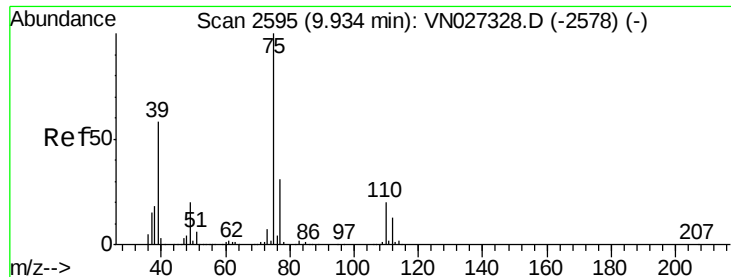
77 30.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

cis-1,3-Dichloropropene

Concen: 43.19 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

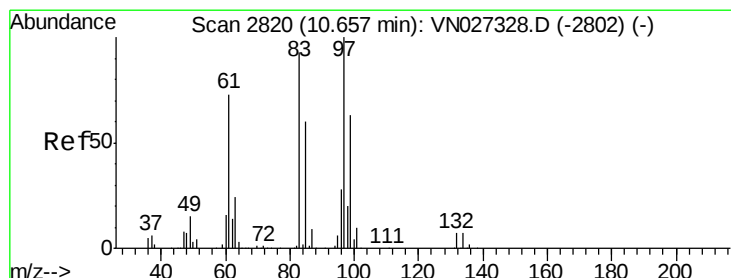
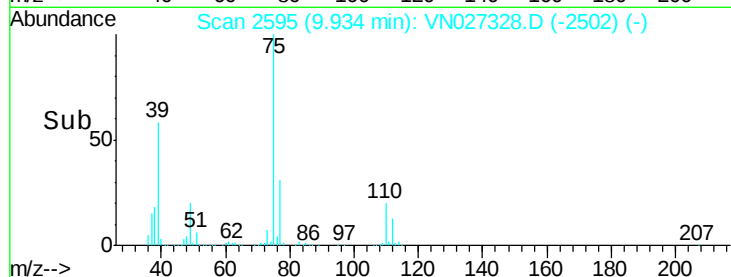
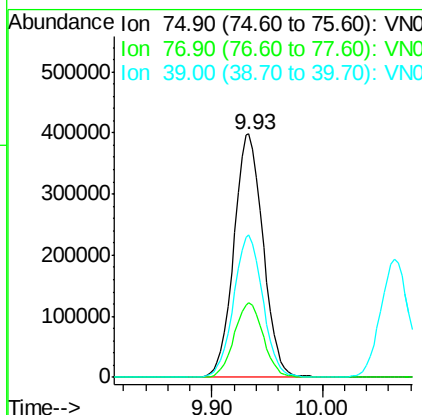
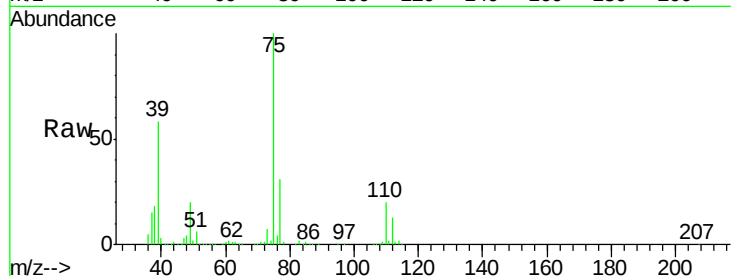
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	731264
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4
39	58.2	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 44.10 ug/l

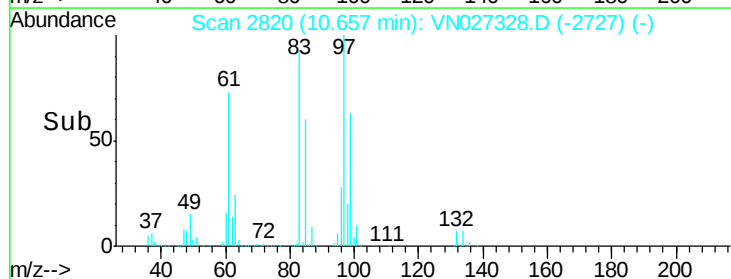
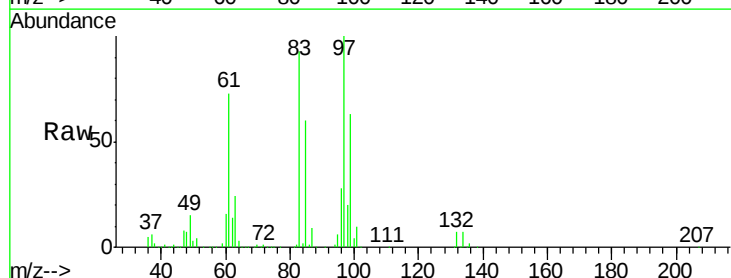
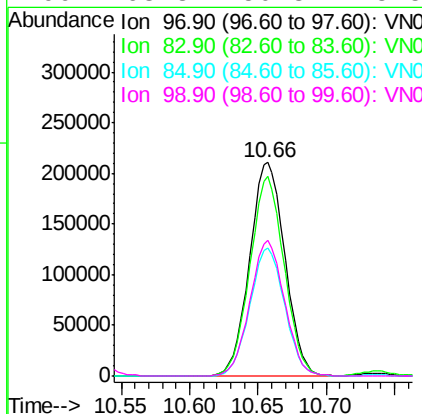
RT: 10.66 min Scan# 2820

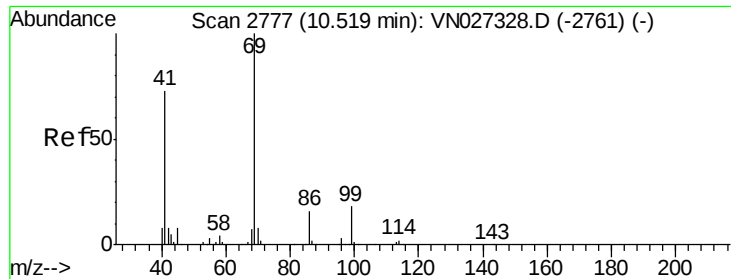
Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Tgt Ion:	97	Resp:	377907
Ion	Ratio	Lower	Upper
97	100		
83	93.1	75.0	112.4
85	59.8	48.0	72.0
99	63.3	50.3	75.5





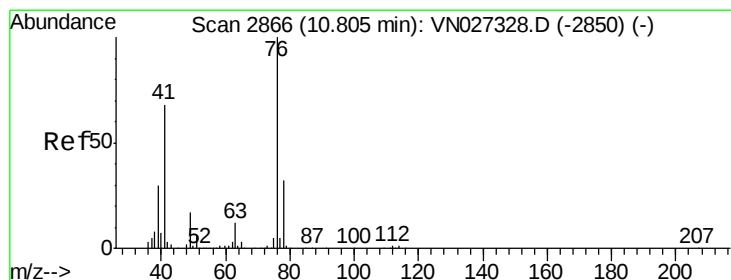
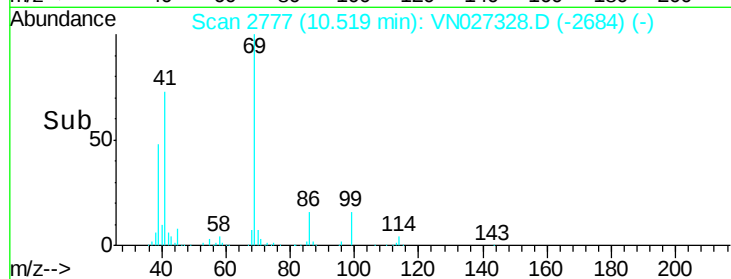
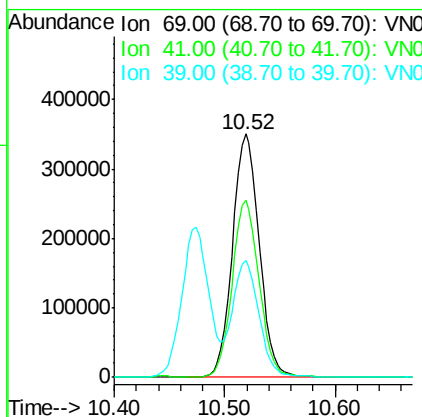
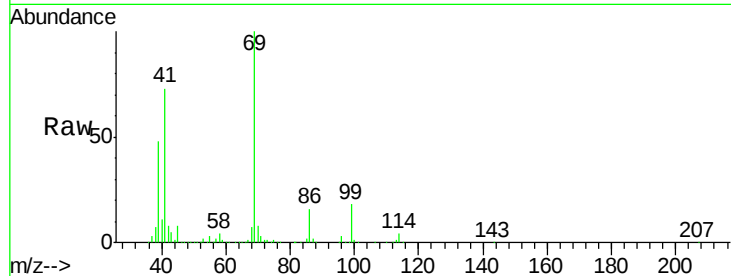
#57
Ethyl methacrylate
Concen: 40.90 ug/l
RT: 10.52 min Scan# 2777
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
69	100			
41	72.1	61.3	91.9	
39	47.5	28.4	42.6	

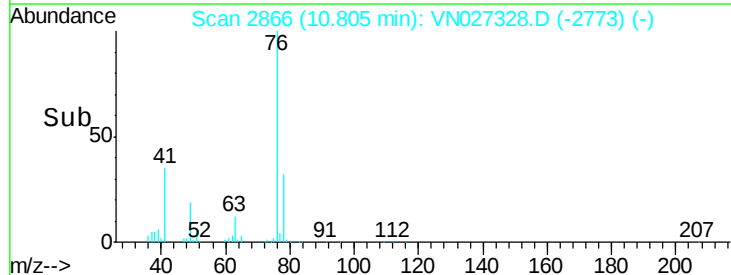
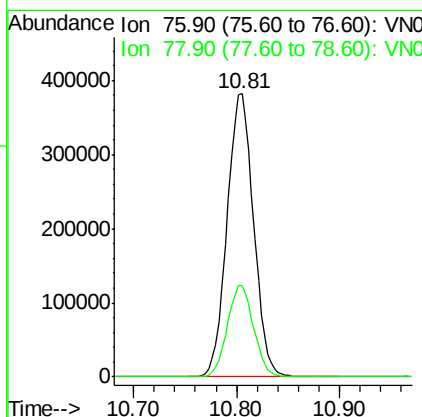
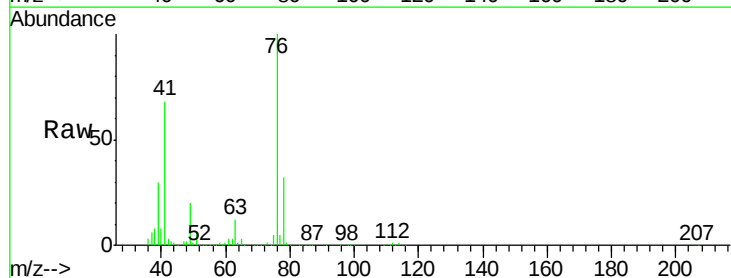
Manual Integrations
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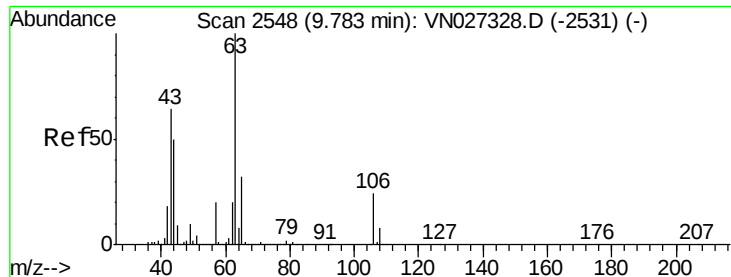
MMDadoda
9/22/2015 2:27:54 PM



#58
1,3-Dichloropropane
Concen: 43.08 ug/l
RT: 10.81 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

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





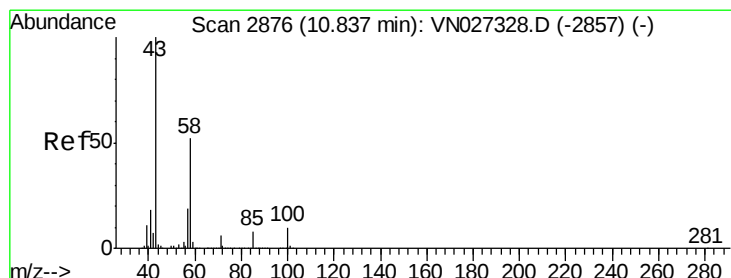
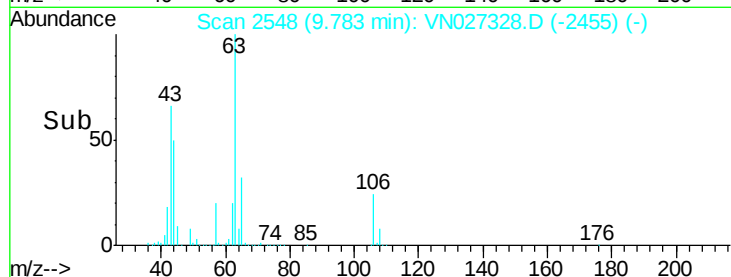
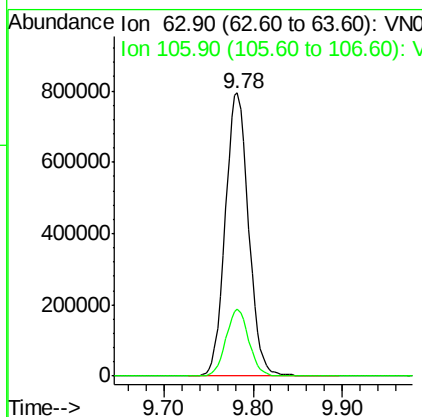
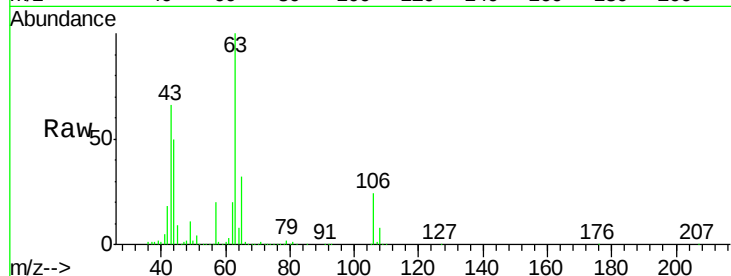
#59
2-Chloroethyl Vinyl ether
Concen: 216.63 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 63 Resp: 1436514
Ion Ratio Lower Upper
63 100
106 23.2 17.7 26.5

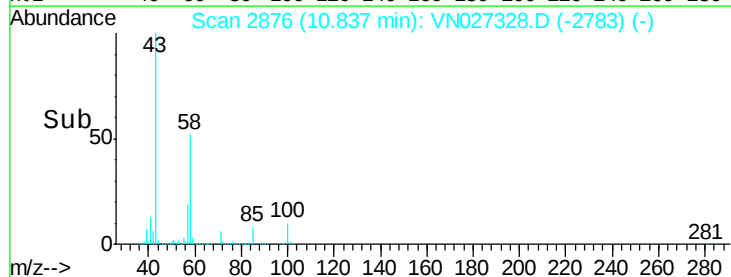
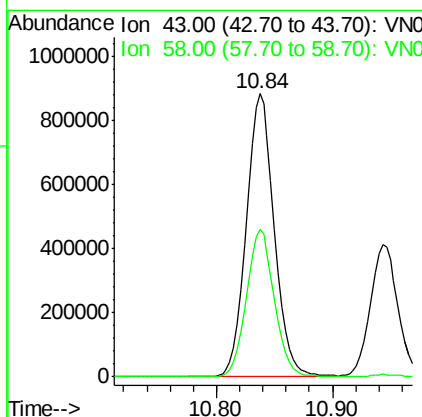
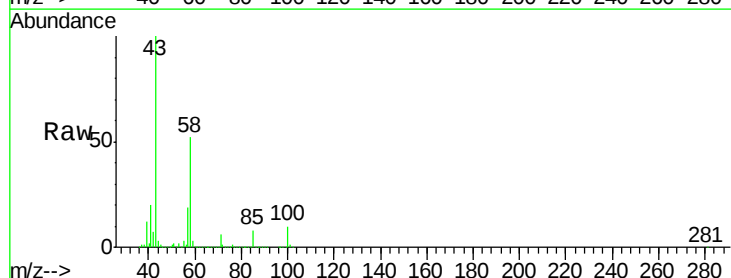
Manual Integrations
APPROVED

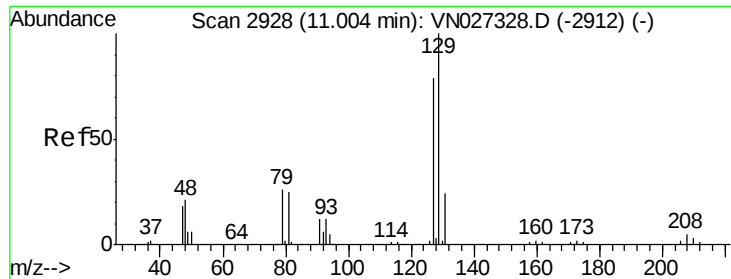
MMDadoda
9/22/2015 2:27:54 PM



#60
2-Hexanone
Concen: 192.55 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion: 43 Resp: 1477832
Ion Ratio Lower Upper
43 100
58 52.2 26.2 78.5





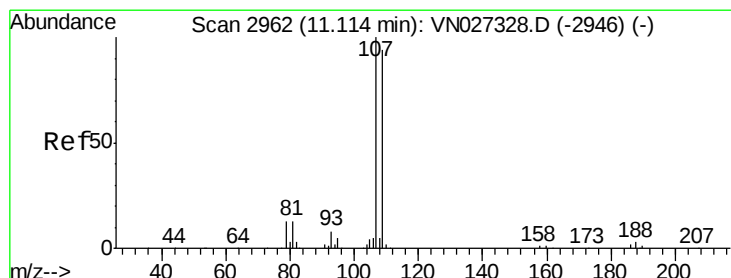
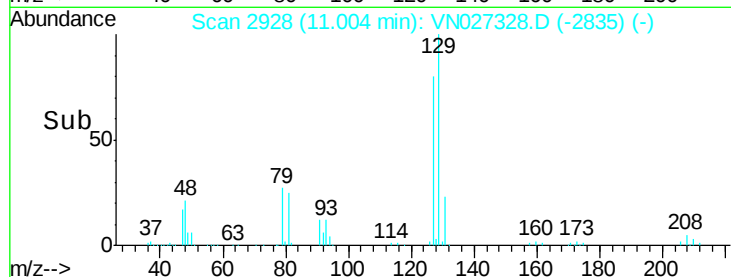
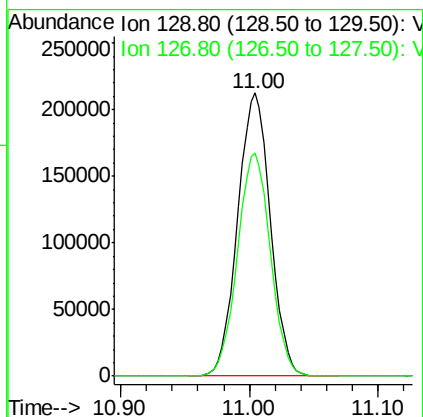
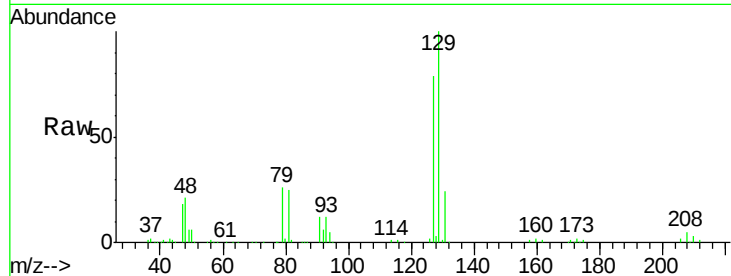
#61
 Dibromochloromethane
 Concen: 42.76 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		374267		
127	79.5	39.1	117.2		

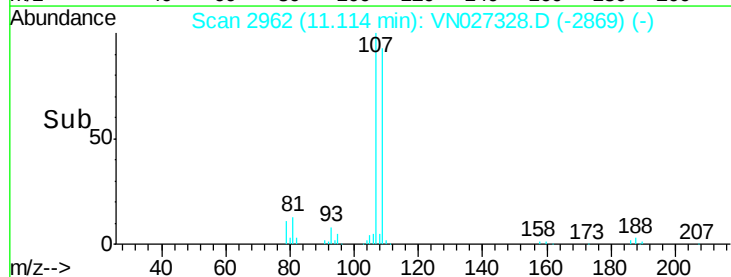
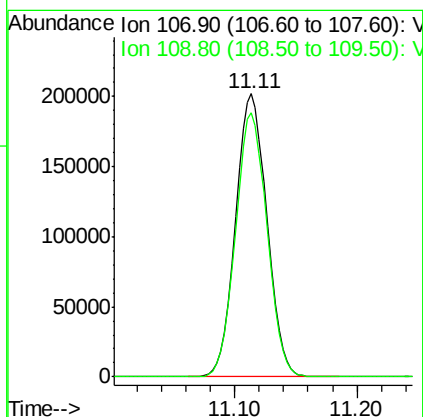
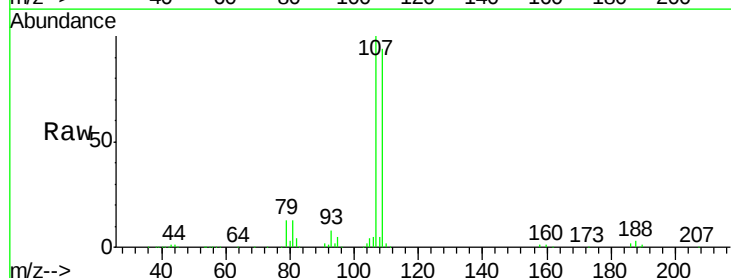
Manual Integrations
 APPROVED

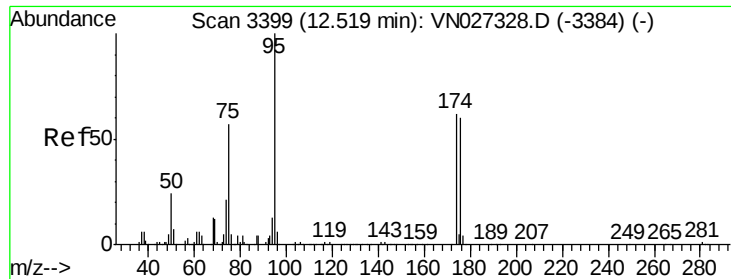
MMDadoda
 9/22/2015 2:27:54 PM



#62
 1,2-Dibromoethane
 Concen: 42.54 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		358292		
109	93.8	75.6	113.4		





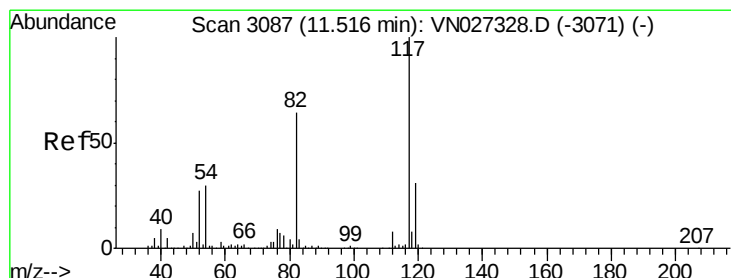
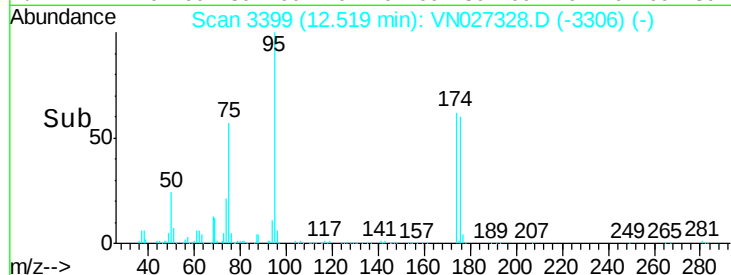
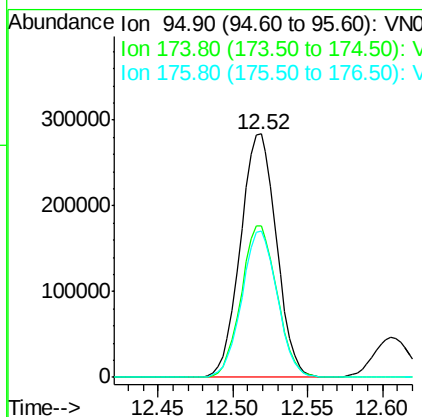
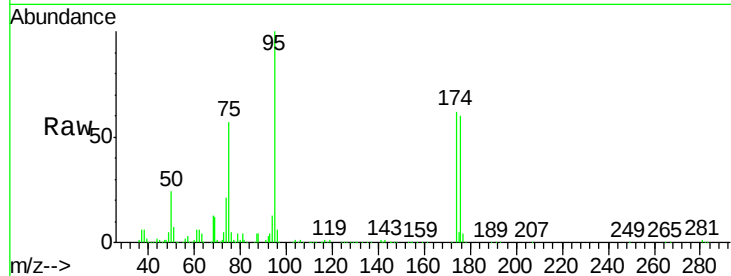
#63
4-Bromofluorobenzene
Concen: 43.31 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
95	100	475561		
174	61.7	0.0	137.0	
176	59.1	0.0	130.8	

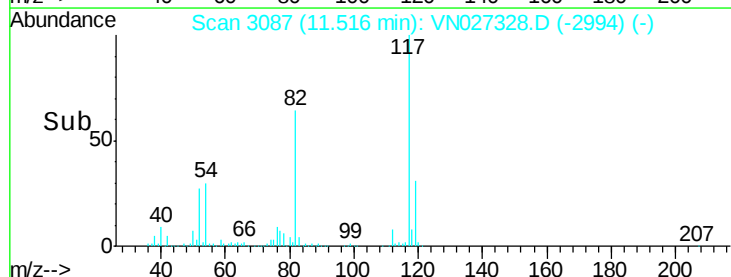
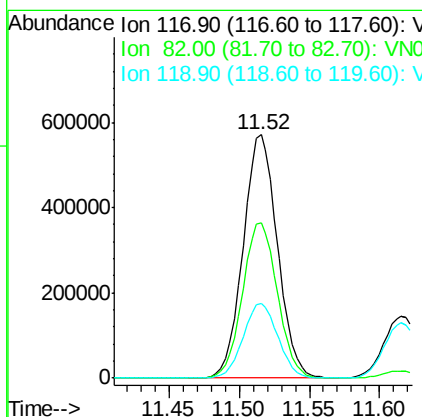
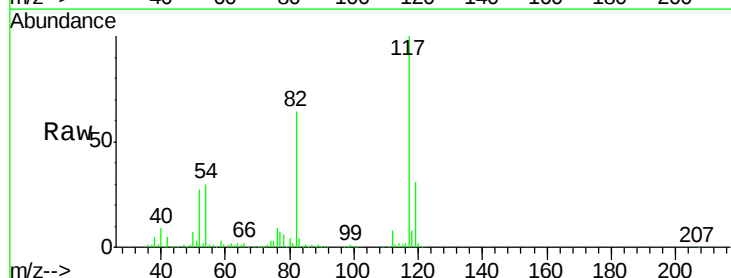
Manual Integrations
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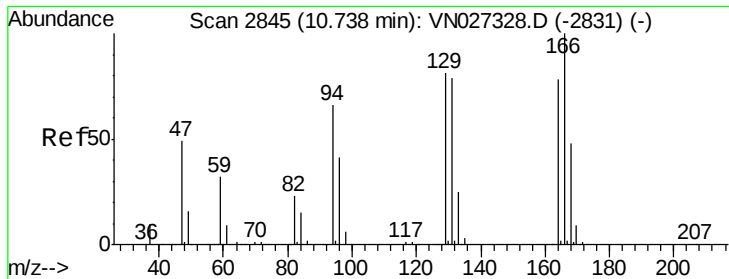
MMDadoda
9/22/2015 2:27:54 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	972752		
82	64.0	49.6	74.4	
119	30.7	24.6	36.8	





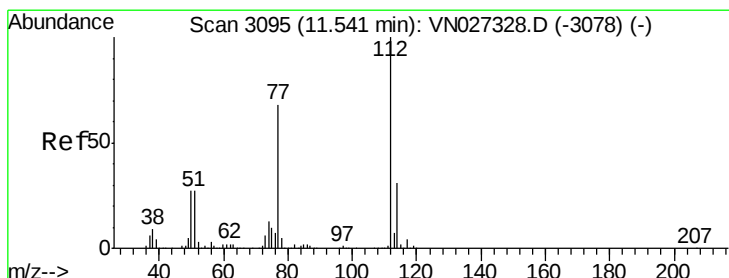
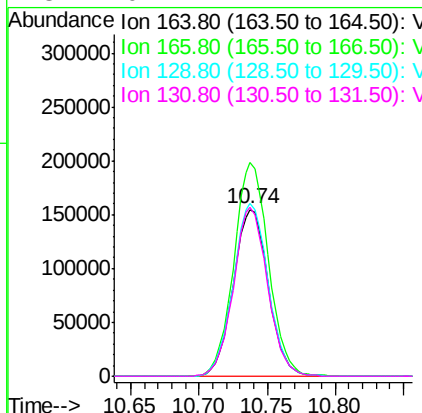
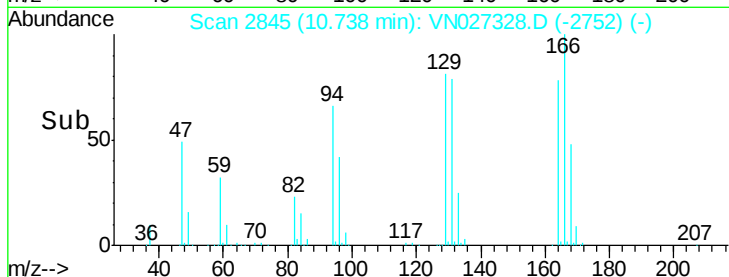
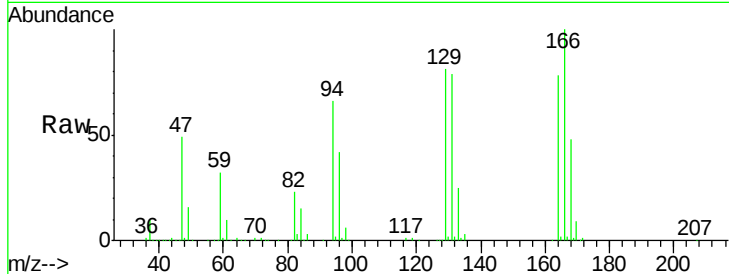
#65
 Tetrachloroethene
 Concen: 44.33 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.0	103.4	155.0	
129	103.5	77.5	116.3	
131	101.4	74.2	111.4	

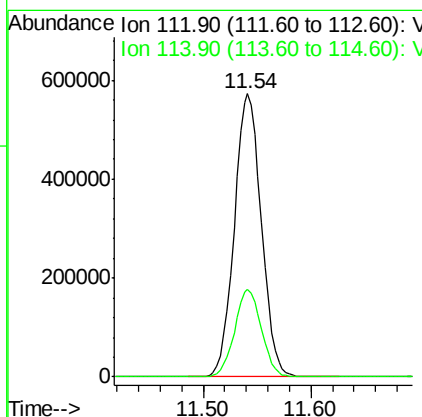
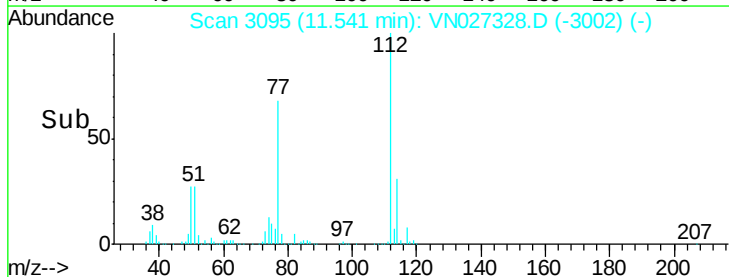
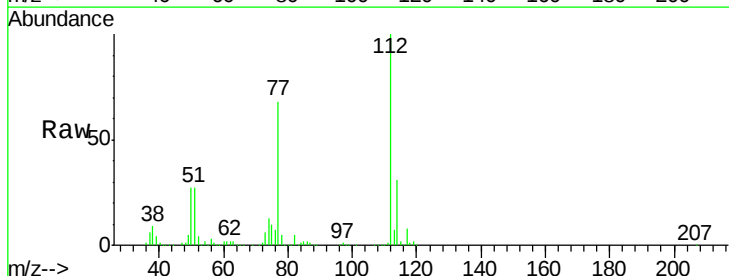
Manual Integrations
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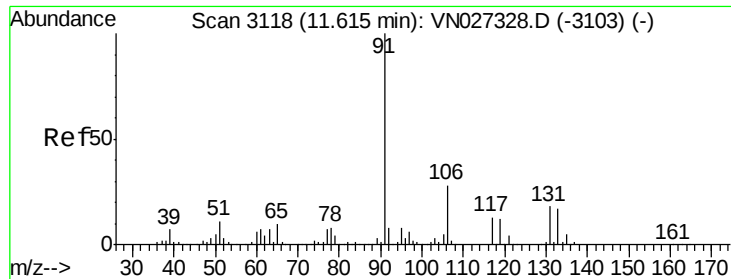
MMDadoda
 9/22/2015 2:27:54 PM



#66
 Chlorobenzene
 Concen: 43.37 ug/l
 RT: 11.54 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.0	24.9	37.3	





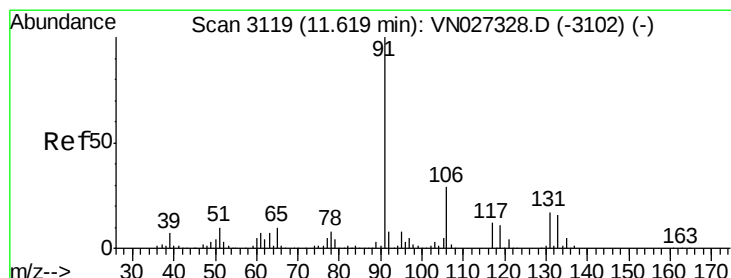
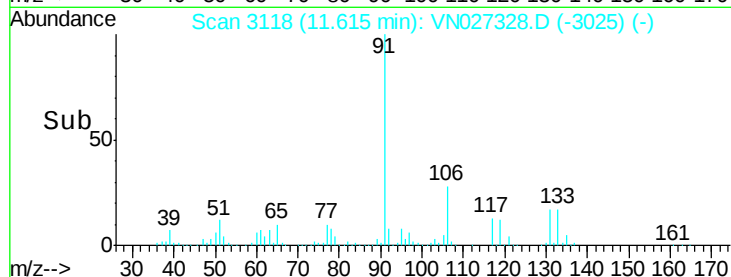
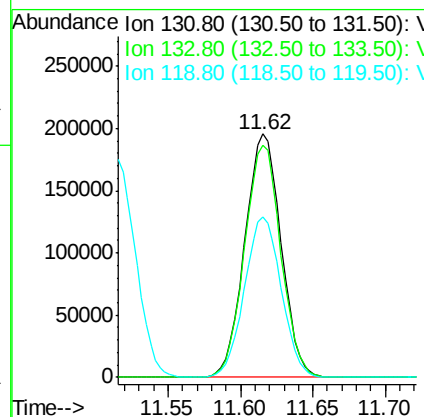
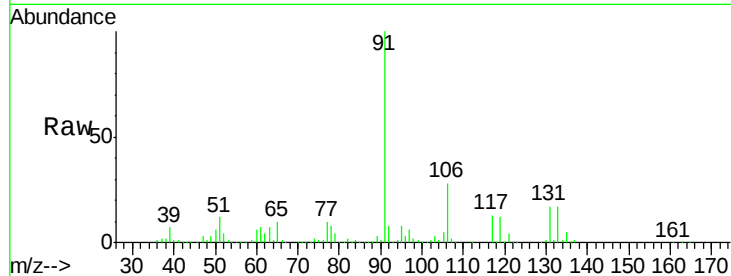
#67
 1,1,1,2-Tetrachloroethane
 Concen: 43.45 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	340385		
133	95.3	47.0	141.2	
119	66.8	35.1	105.5	

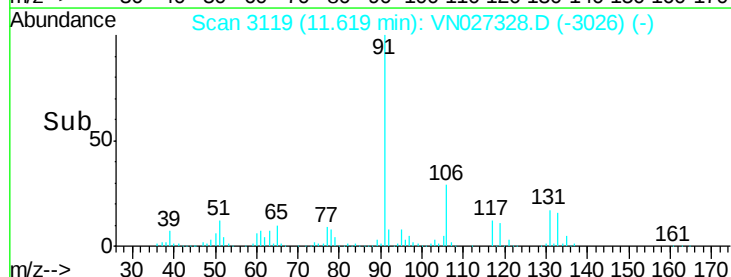
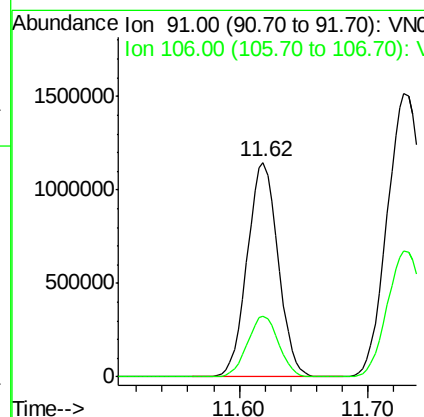
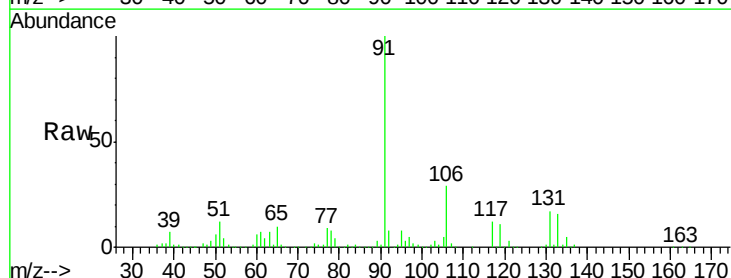
Manual Integrations
 APPROVED

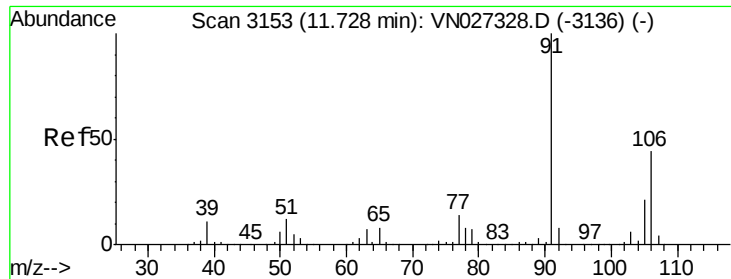
MMDadoda
 9/22/2015 2:27:54 PM



#68
 Ethyl Benzene
 Concen: 43.92 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1912523		
106	28.5	23.1	34.7	





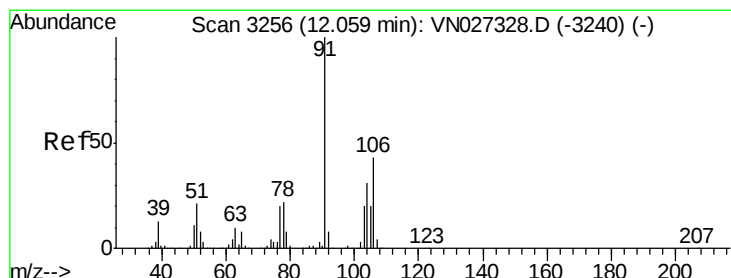
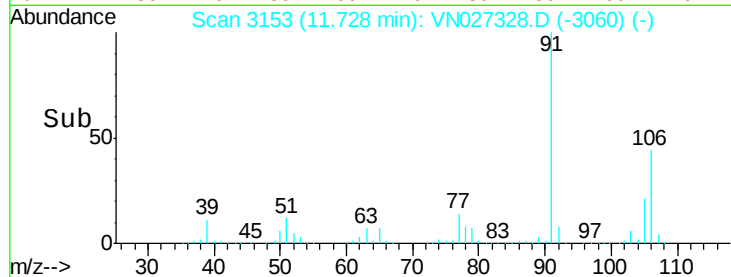
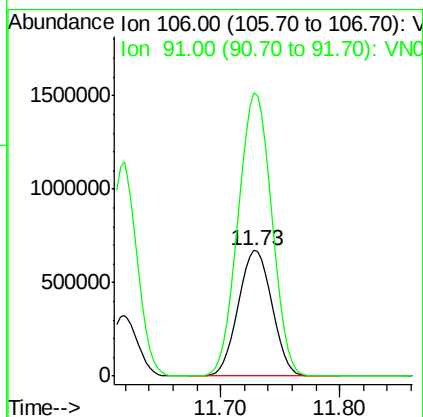
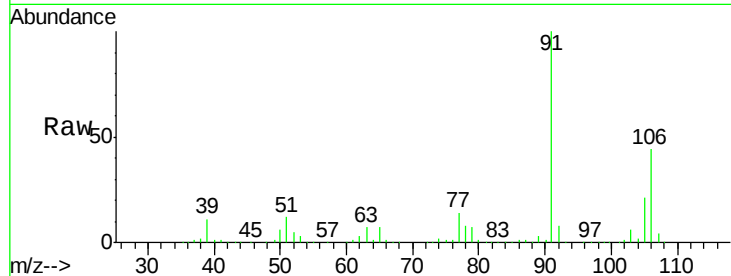
#69
m/p-Xylenes
Concen: 88.09 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1323469
Ion Ratio Lower Upper
106 100
91 224.5 167.1 250.7

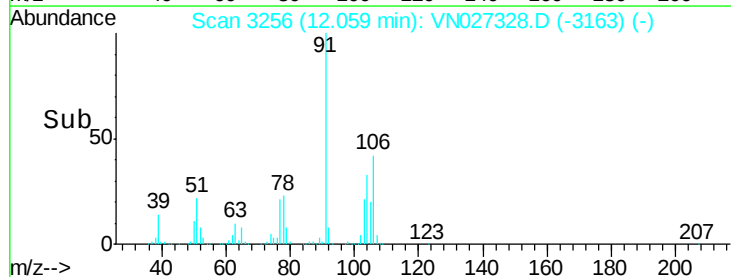
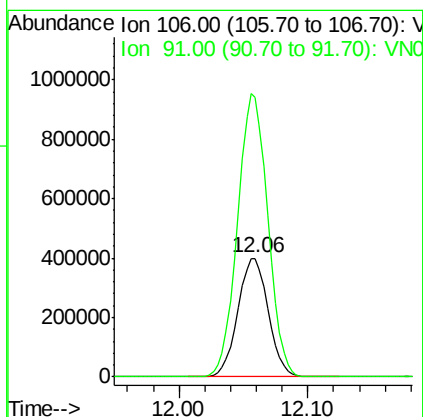
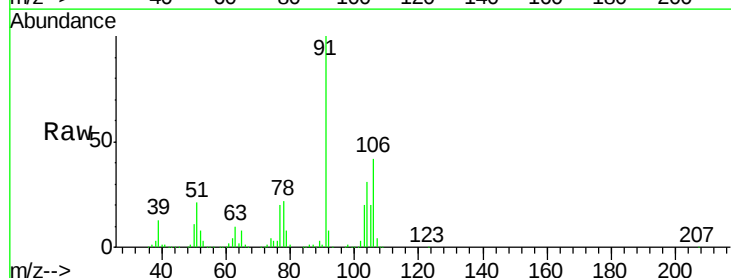
Manual Integrations
APPROVED

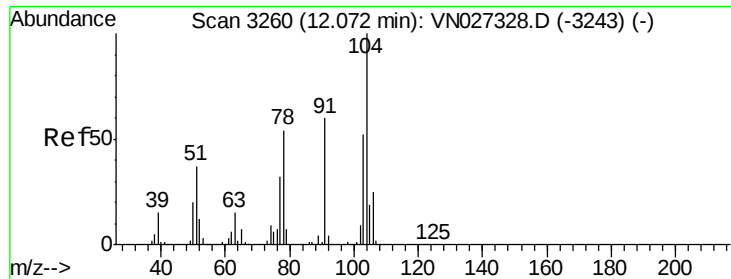
MMDadoda
9/22/2015 2:27:54 PM



#70
o-Xylene
Concen: 43.43 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion:106 Resp: 654157
Ion Ratio Lower Upper
106 100
91 237.6 110.7 331.9





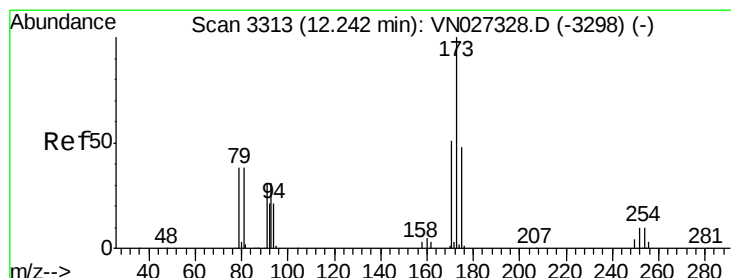
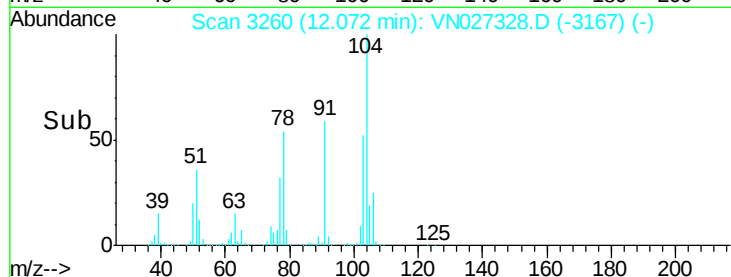
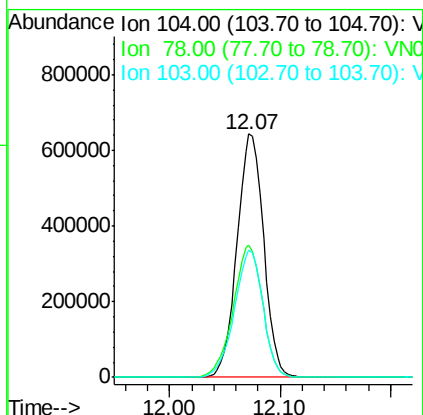
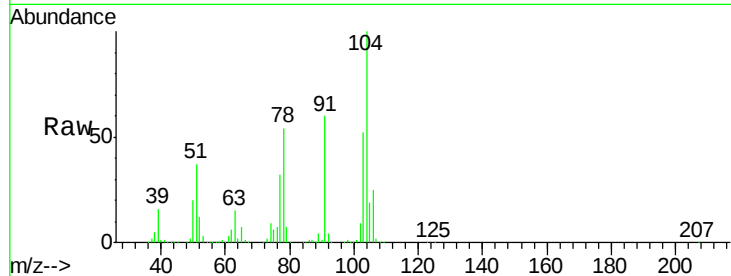
#71
Stvrene
Concen: 44.27 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.5	41.6	62.4
103	56.0	44.2	66.2

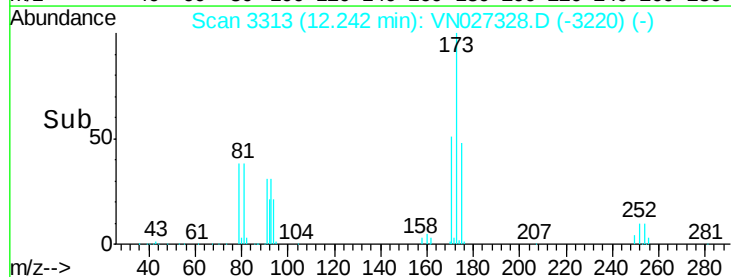
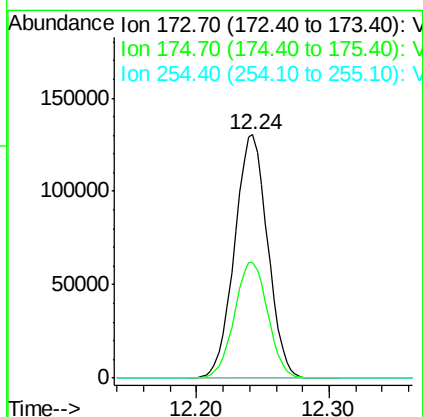
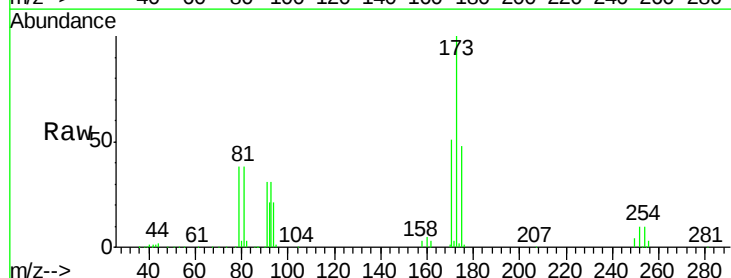
Manual Integrations
APPROVED

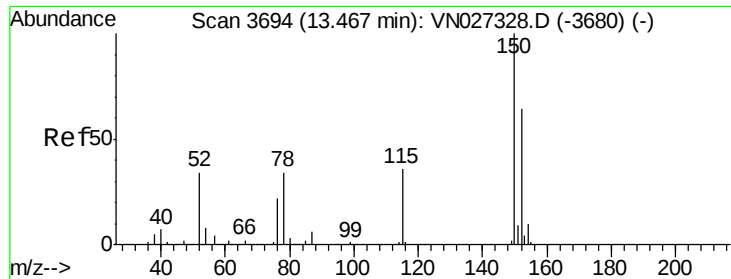
MMDadoda
9/22/2015 2:27:54 PM



#72
Bromoform
Concen: 41.40 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.4
254	0.1	0.1	0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:152 Resp: 377892

Ion Ratio Lower Upper

152 100

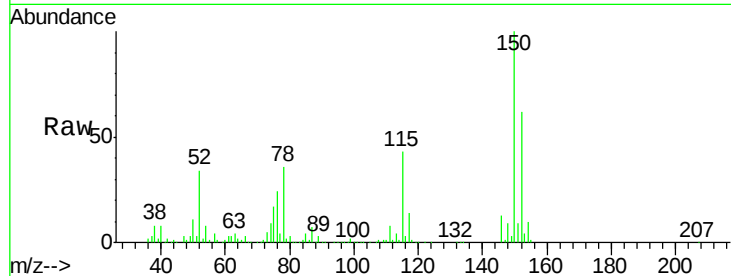
115 69.5 30.8 92.3

150 176.6 0.0 345.0

Manual Integrations
APPROVED

MMDadoda

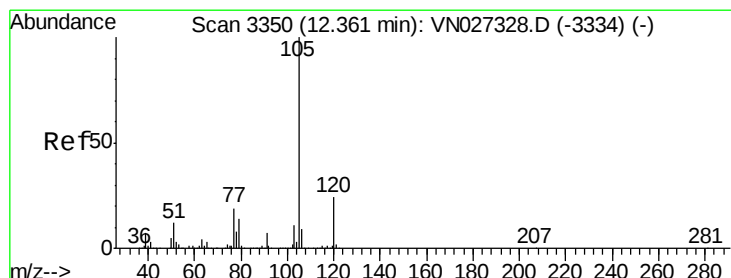
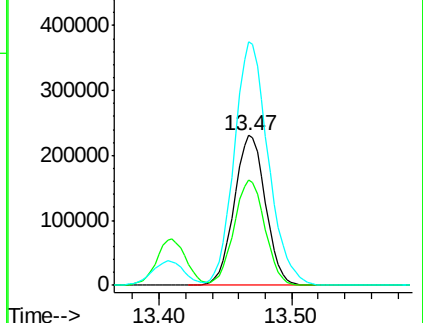
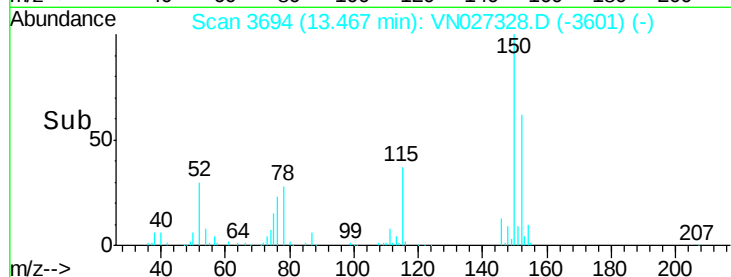
9/22/2015 2:27:54 PM



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: 43.20 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027328.D

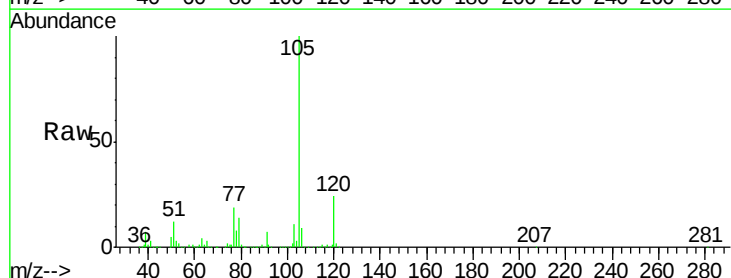
Acq: 21 Sep 2015 11:49

Tgt Ion:105 Resp: 1799110

Ion Ratio Lower Upper

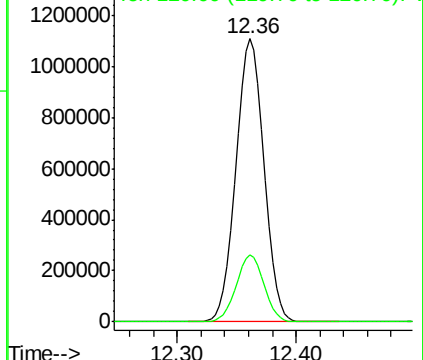
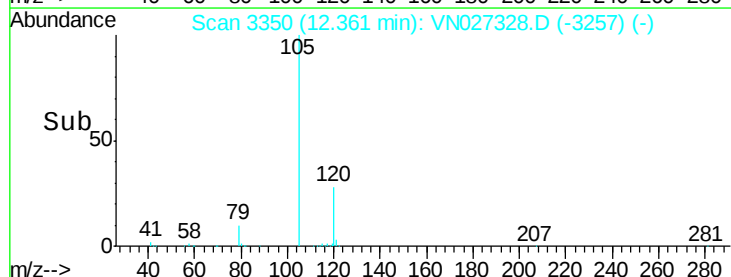
105 100

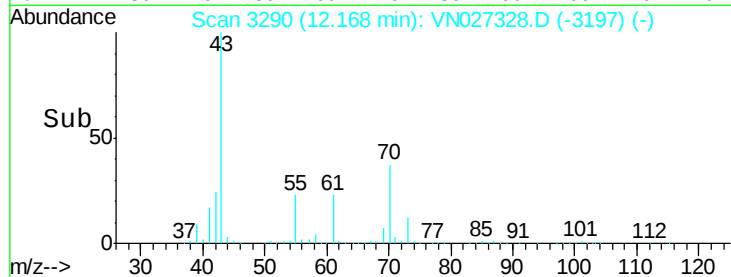
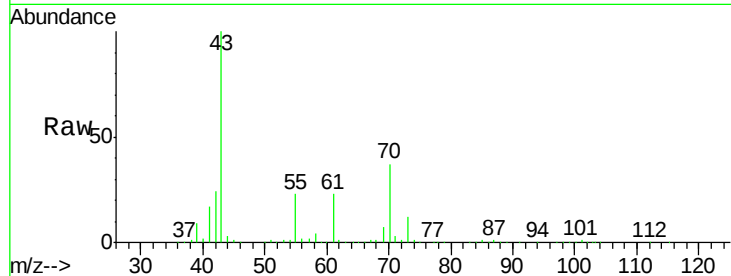
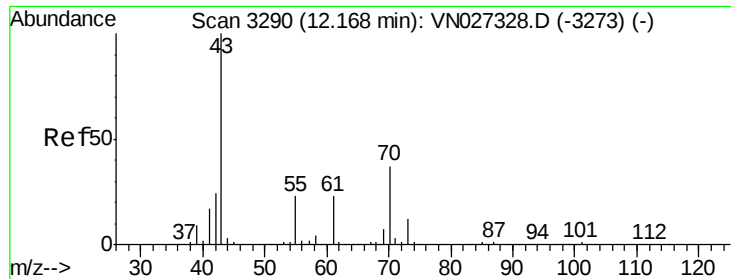
120 23.5 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 39.16 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Tot Ion:	43	Resp:	727846
Ion Ratio	Lower	Upper	
43	100		
70	37.3	29.8	44.8
55	22.9	19.4	29.0
61	22.9	18.2	27.2

Instrument :

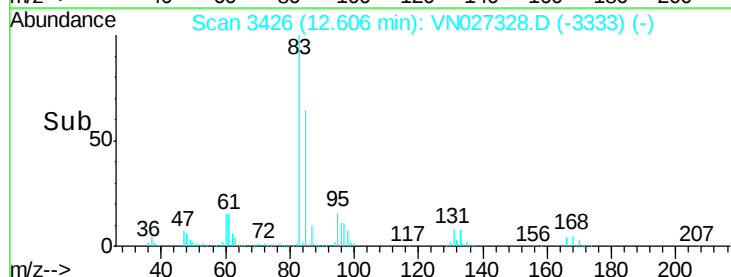
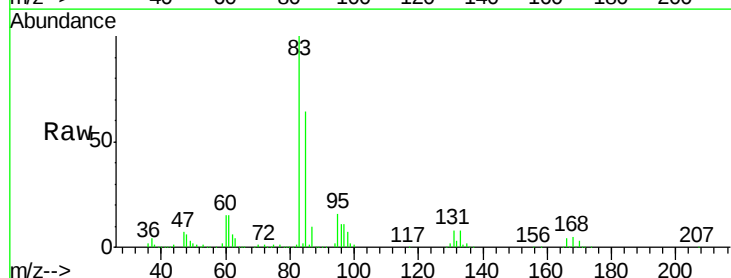
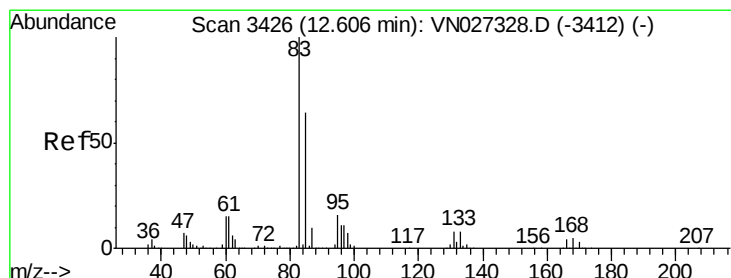
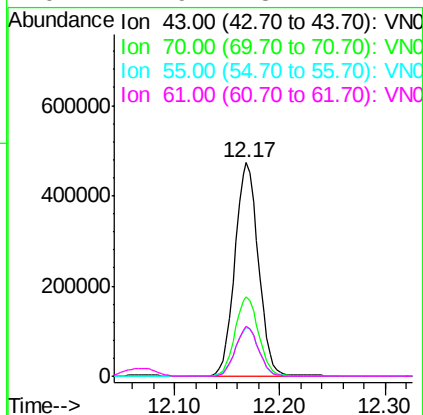
MSVOA_N

ClientSampleId :

VSTDICCC050

Manual Integrations
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9/22/2015 2:27:54 PM



#76

1,1,2,2-Tetrachloroethane

Concen: 38.48 ug/l

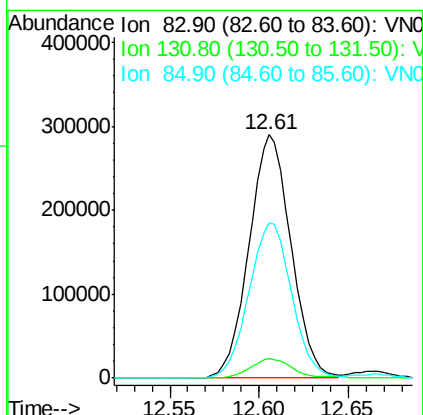
RT: 12.61 min Scan# 3426

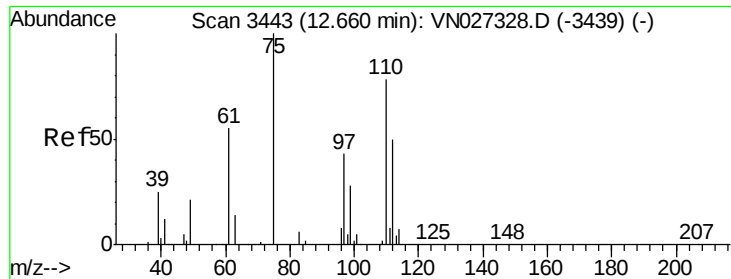
Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Tgt Ion:	83	Resp:	475921
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.1	12.3
85	65.1	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 39.21 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 447838

Ion Ratio Lower Upper

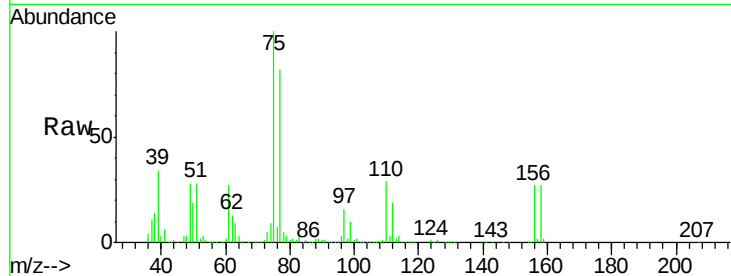
75 100

77 208.6 103.1 309.3

Manual Integrations
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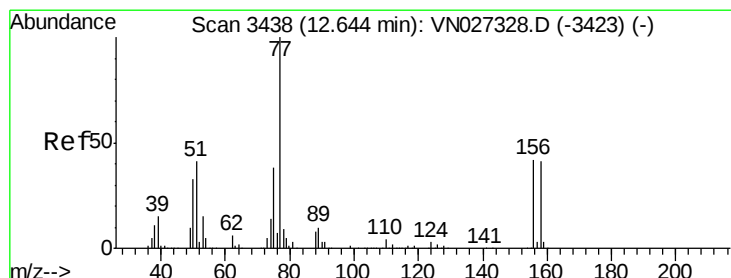
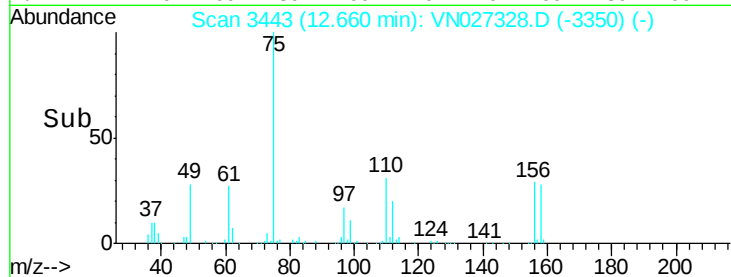
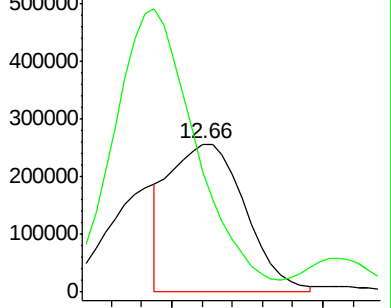
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN027328.D (-3439) (-)

Ion 77.00 (76.70 to 77.70): VN027328.D (-3439) (-)



#78

Bromobenzene

Concen: 41.89 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

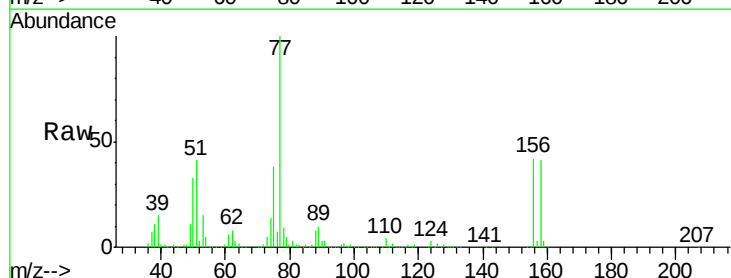
Tgt Ion: 156 Resp: 342098

Ion Ratio Lower Upper

156 100

77 273.0 127.3 381.9

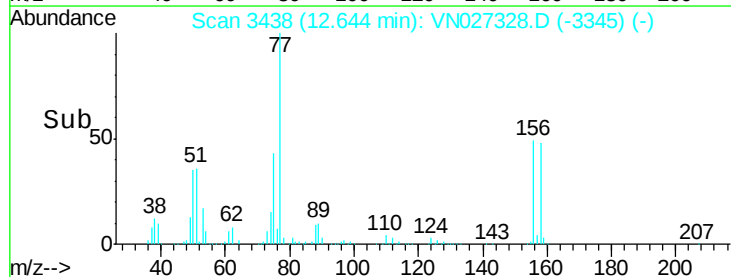
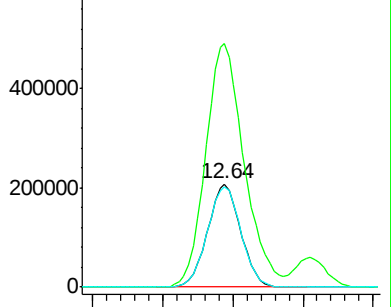
158 99.1 48.0 144.2

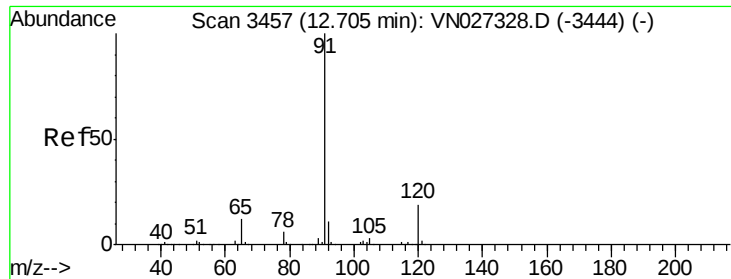


Abundance Ion 155.80 (155.50 to 156.50): VN027328.D (-3423) (-)

Ion 77.00 (76.70 to 77.70): VN027328.D (-3423) (-)

Ion 157.80 (157.50 to 158.50): VN027328.D (-3423) (-)





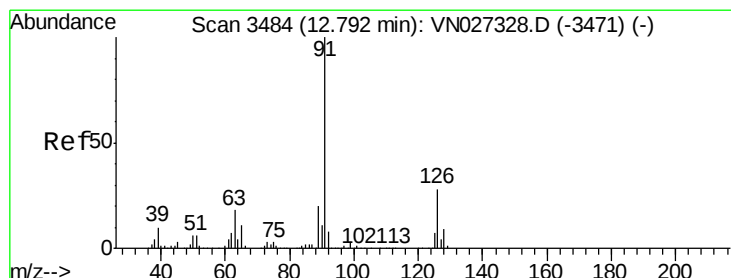
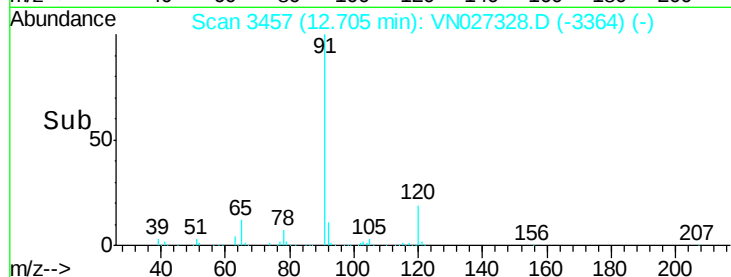
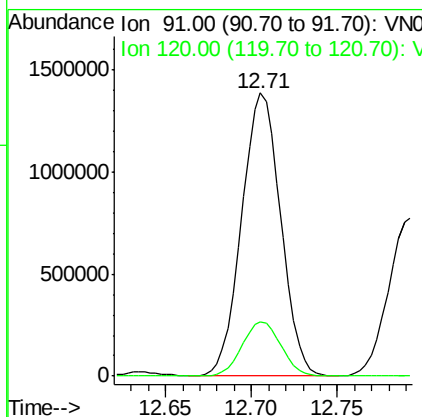
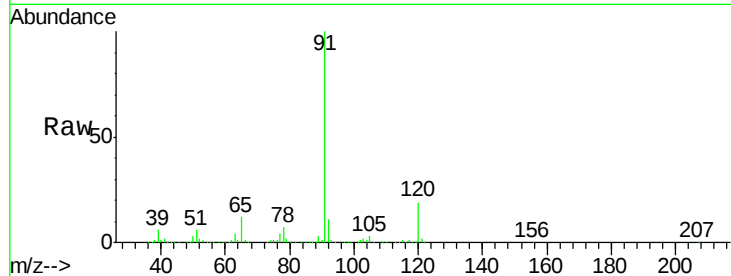
#79
n-propylbenzene
Concen: 44.63 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2186729
Ion Ratio Lower Upper
91 100
120 19.3 10.3 30.8

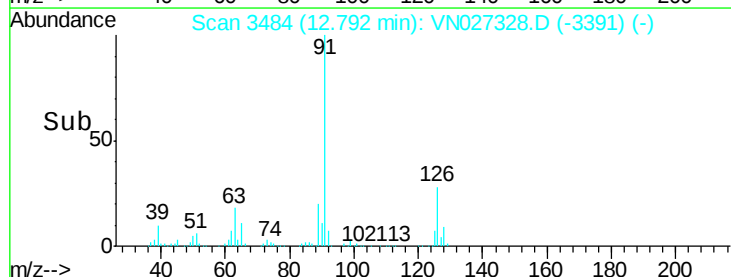
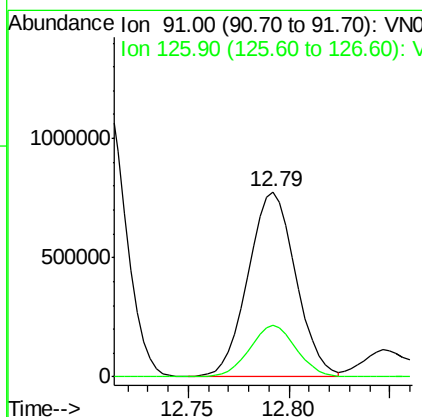
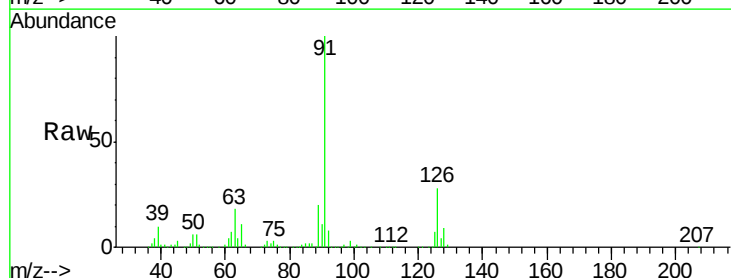
Manual Integrations
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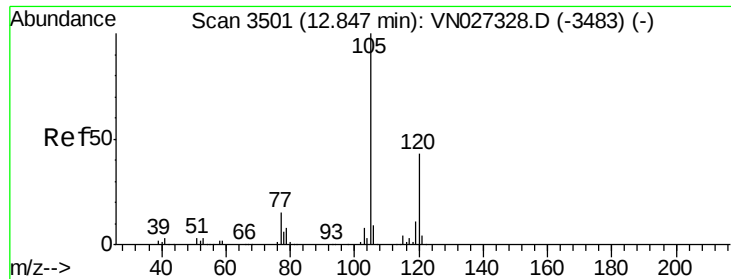
MMDadoda
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#80
2-Chlorotoluene
Concen: 43.49 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion: 91 Resp: 1279435
Ion Ratio Lower Upper
91 100
126 27.4 15.2 45.5





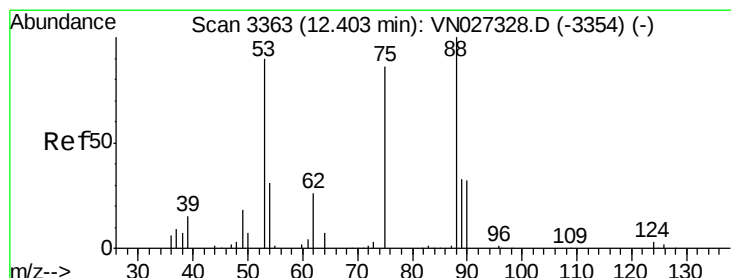
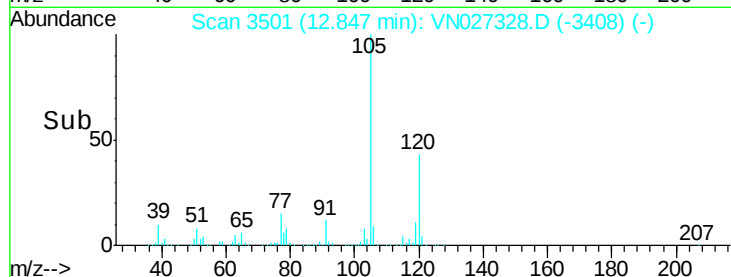
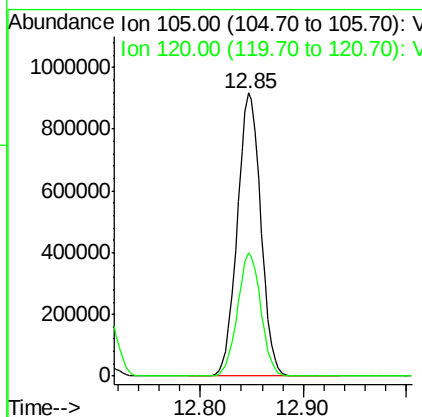
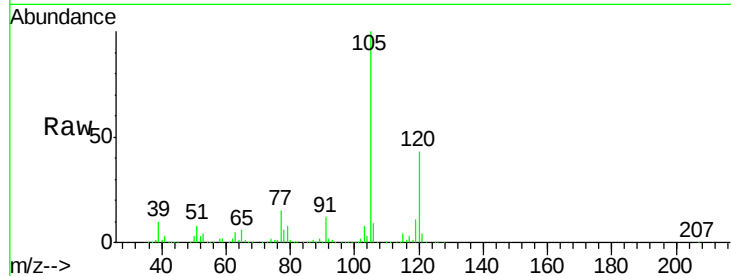
#81
 1,3,5-Trimethylbenzene
 Concen: 43.36 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:105 Resp: 1450499
 Ion Ratio Lower Upper
 105 100
 120 43.3 23.4 70.0

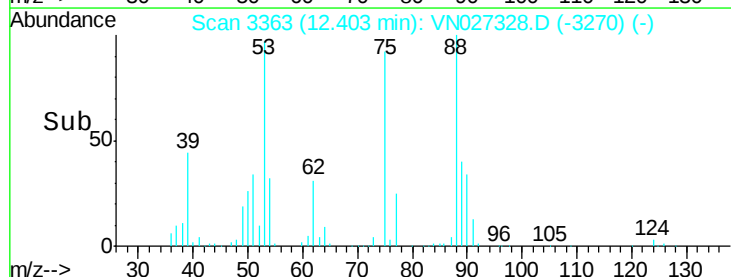
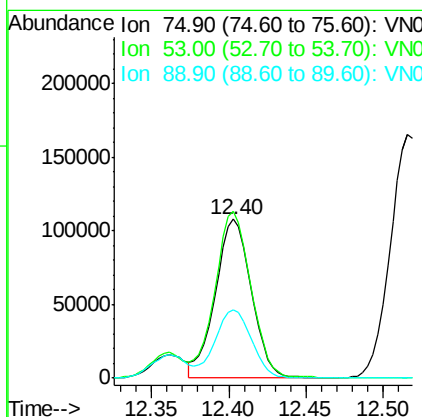
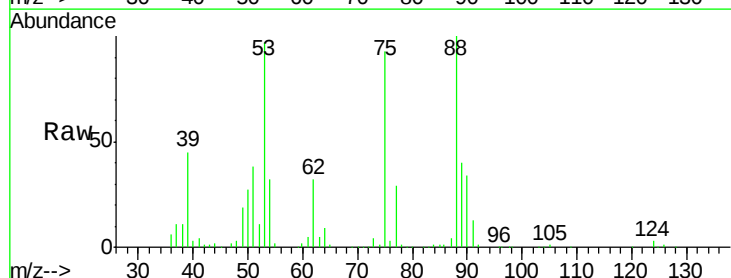
Manual Integrations
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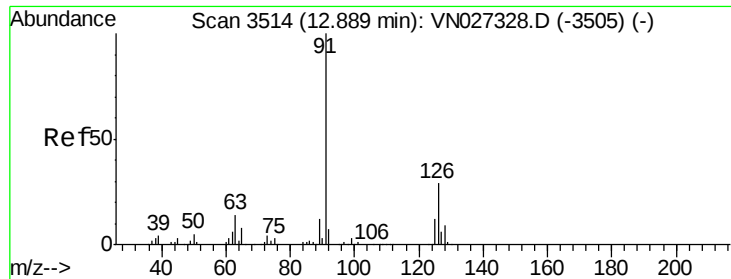
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 37.56 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion: 75 Resp: 174643
 Ion Ratio Lower Upper
 75 100
 53 104.5 92.9 139.3
 89 43.3 34.2 51.4





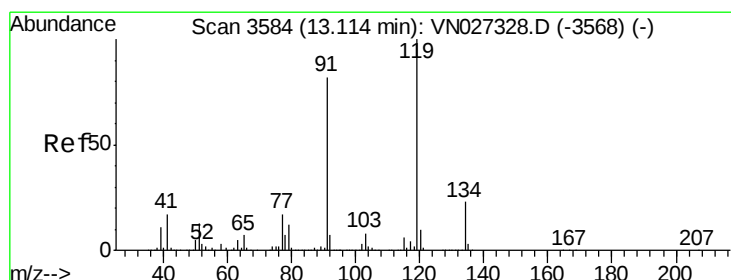
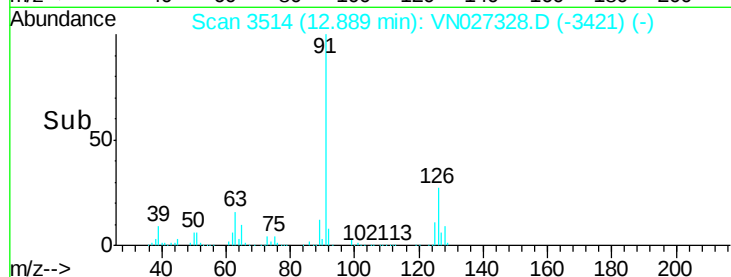
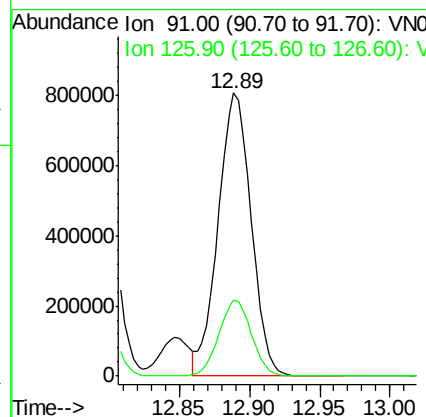
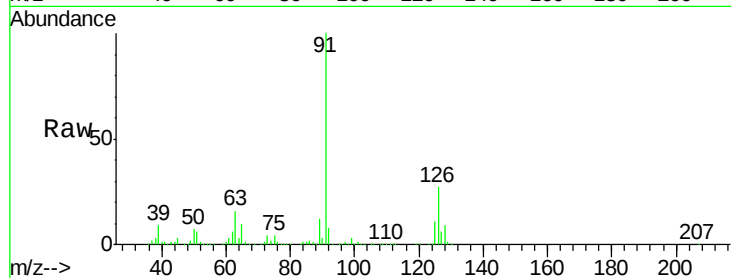
#83
4-Chlorotoluene
Concen: 45.22 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1307045
Ion Ratio Lower Upper
91 100
126 26.6 14.9 44.5

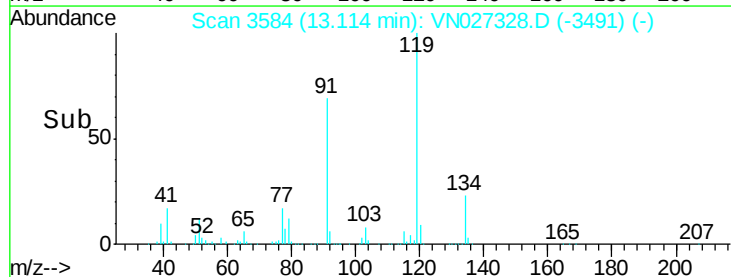
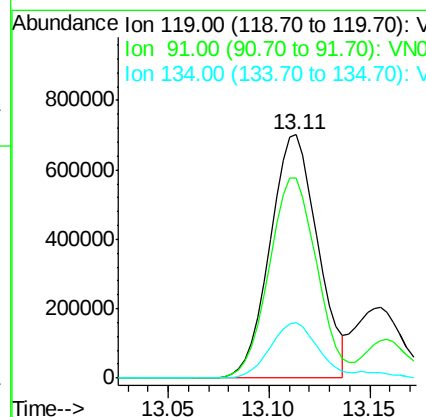
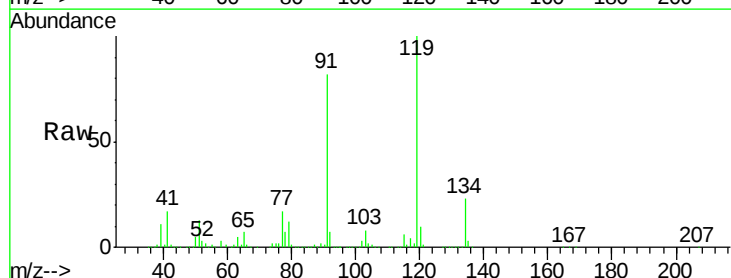
Manual Integrations
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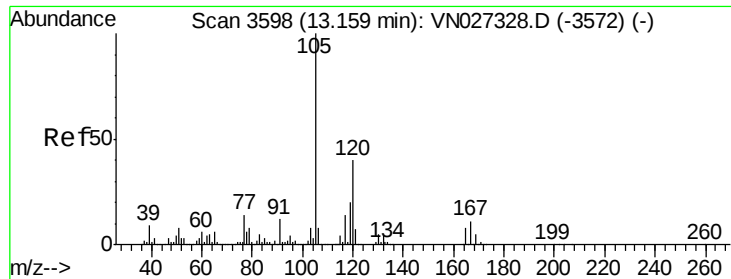
MMDadoda
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#84
tert-Butylbenzene
Concen: 41.74 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion: 119 Resp: 1152090
Ion Ratio Lower Upper
119 100
91 82.1 34.6 103.8
134 23.0 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 43.69 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1467911

Ion Ratio Lower Upper

105 100

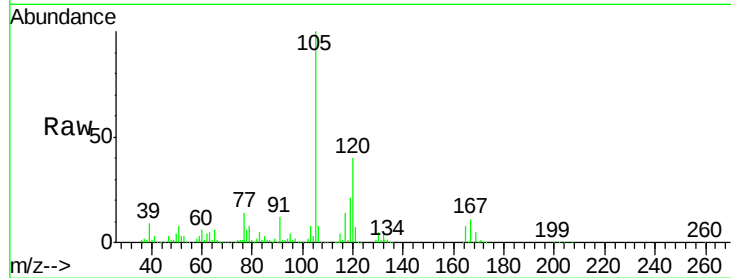
120 40.0

21.9 65.5

Manual Integrations
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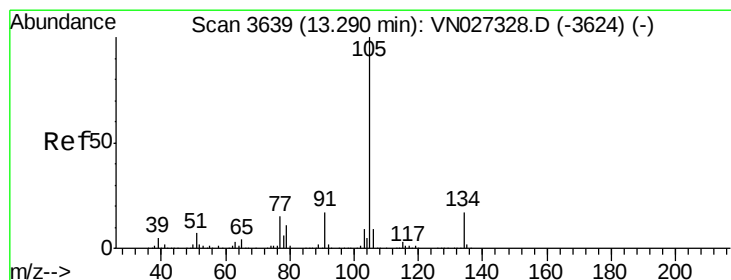
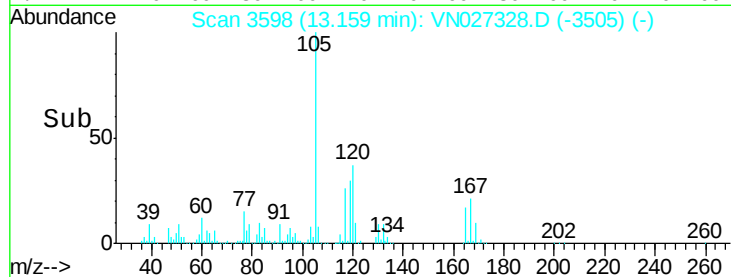
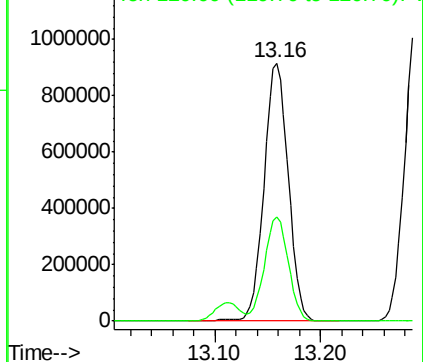
MMDadoda

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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: 44.17 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

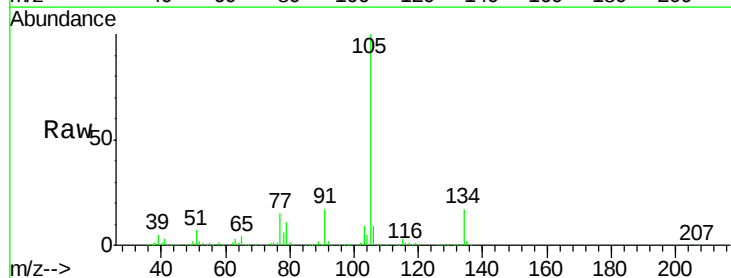
Tgt Ion:105 Resp: 1786208

Ion Ratio Lower Upper

105 100

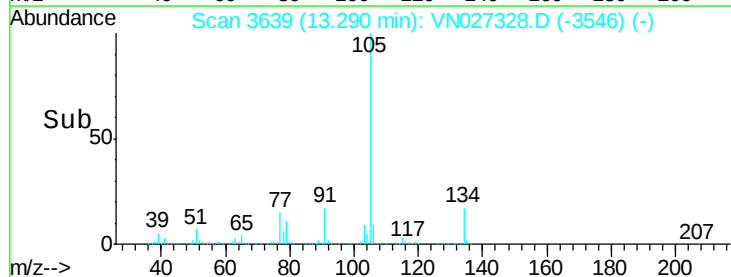
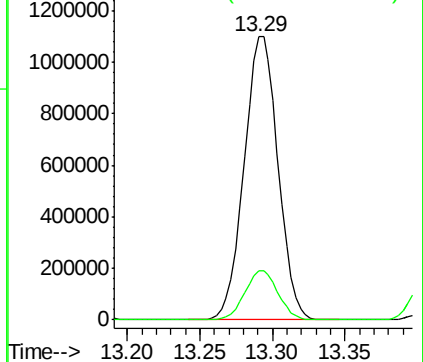
134 17.1

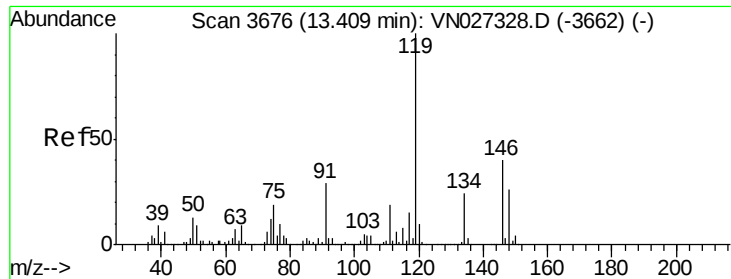
8.8 26.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





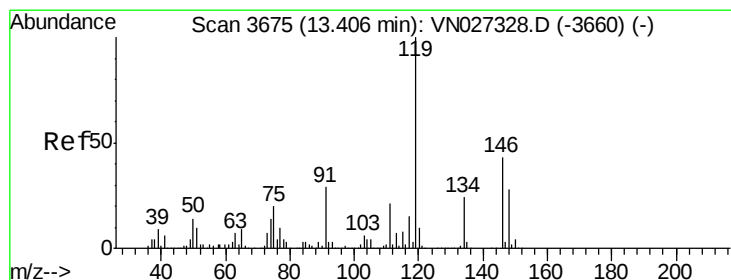
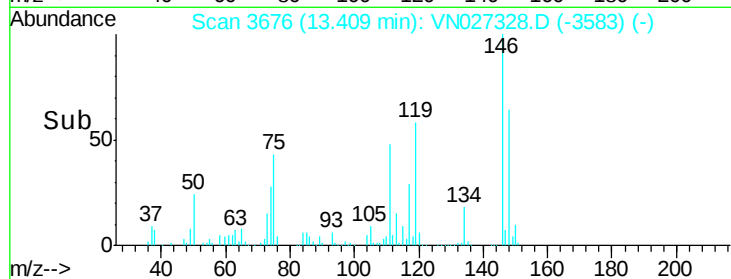
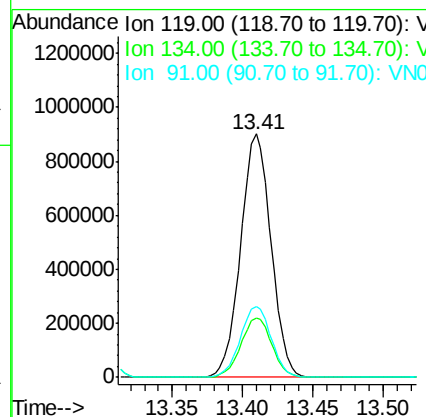
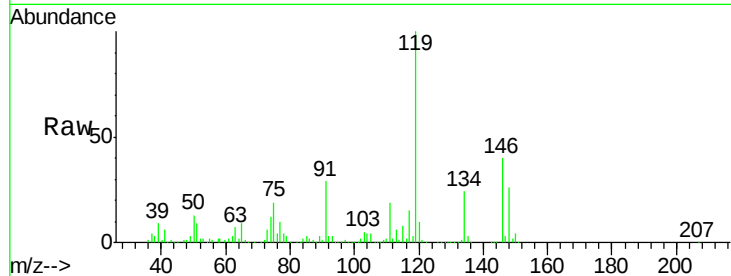
#87
 p-Isopropyltoluene
 Concen: 43.66 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1359768
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.4 37.0
 91 29.6 12.0 36.1

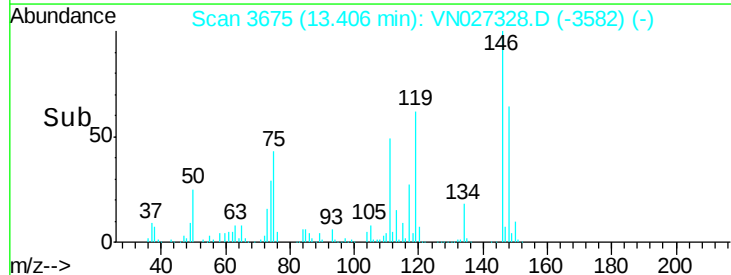
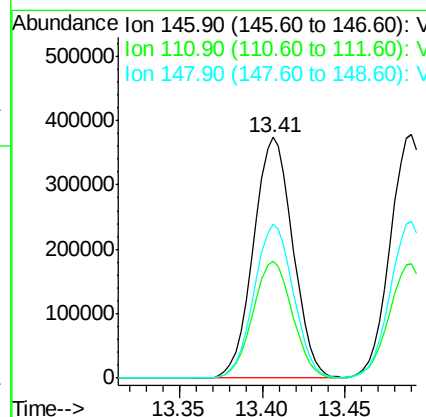
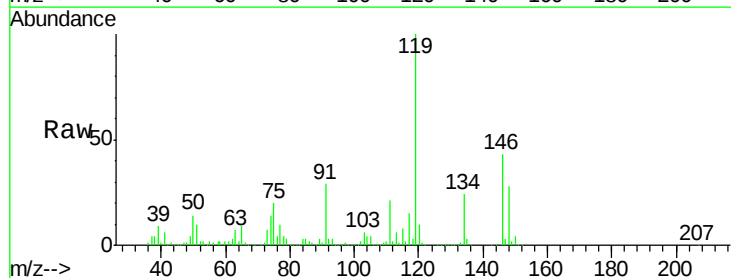
Manual Integrations
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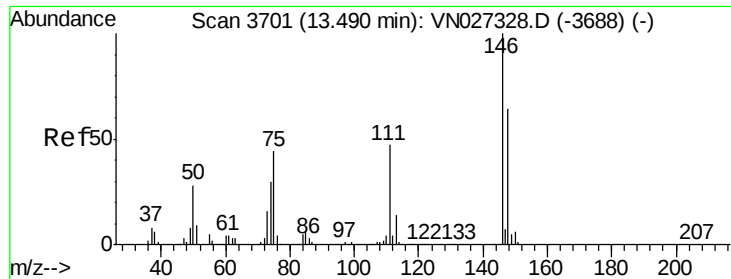
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#88
 1,3-Dichlorobenzene
 Concen: 44.11 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion:146 Resp: 616405
 Ion Ratio Lower Upper
 146 100
 111 48.7 21.0 63.0
 148 63.8 31.9 95.9





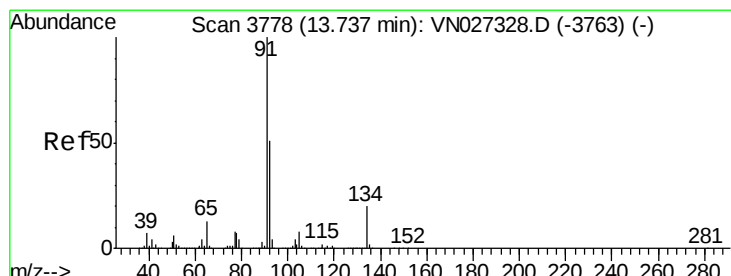
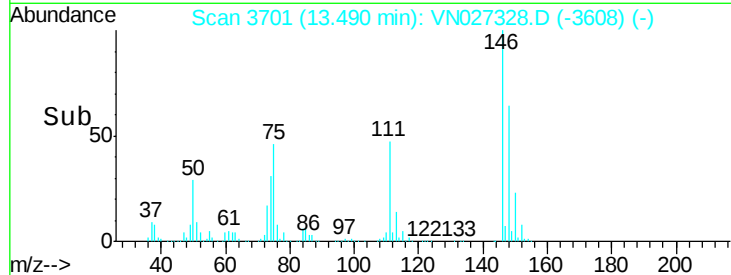
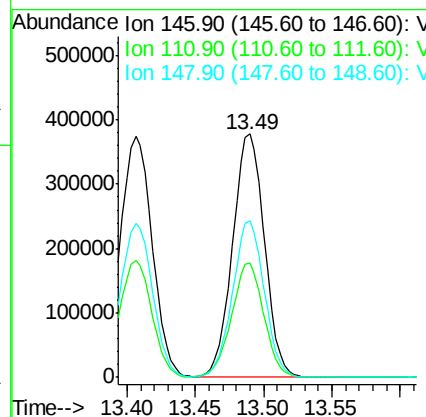
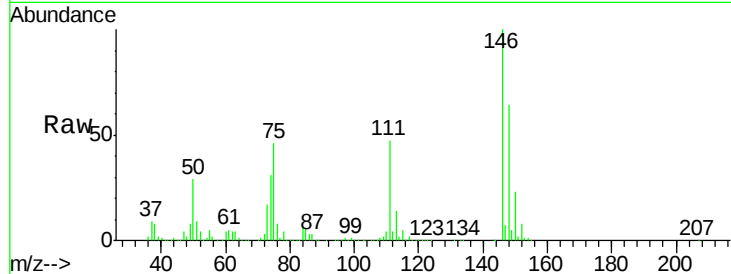
#89
 1,4-Dichlorobenzene
 Concen: 43.36 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	613585		
111	47.1	19.9	59.6	
148	63.7	31.7	95.1	

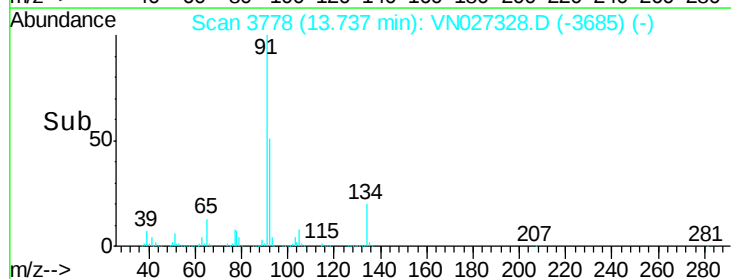
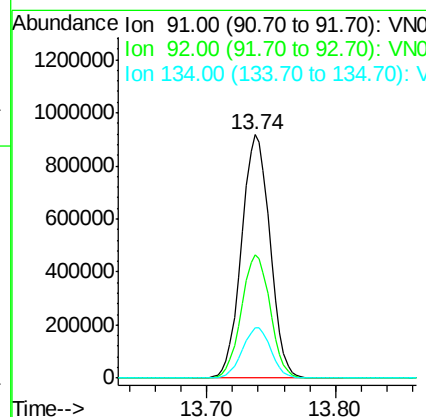
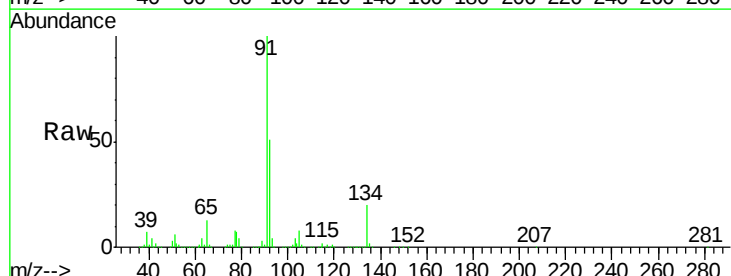
Manual Integrations
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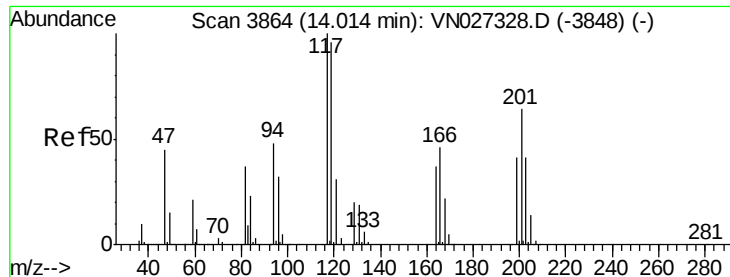
MMDadoda
 9/22/2015 2:27:54 PM



#90
 n-Butylbenzene
 Concen: 46.49 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1405052		
92	51.1	26.1	78.2	
134	20.8	11.1	33.1	





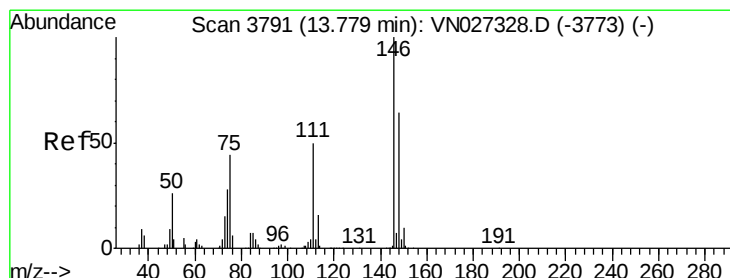
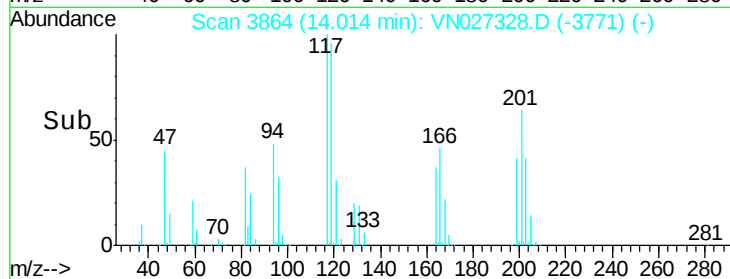
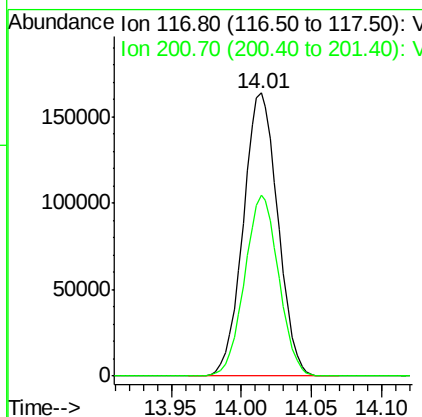
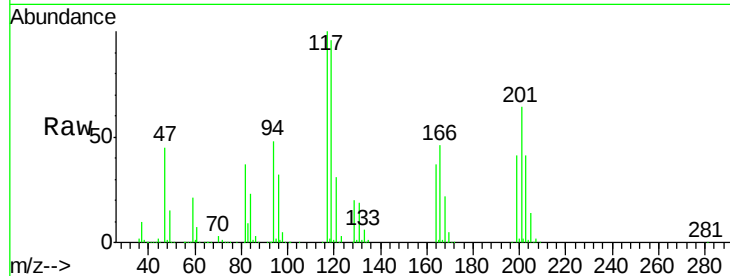
#91
Hexachloroethane
Concen: 41.30 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
201	62.9	34.9	104.7

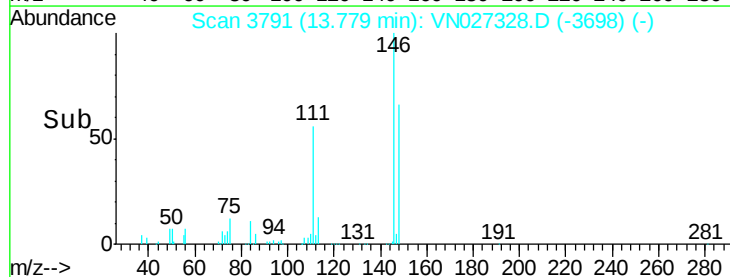
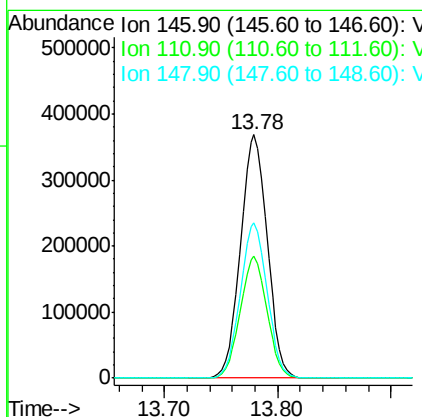
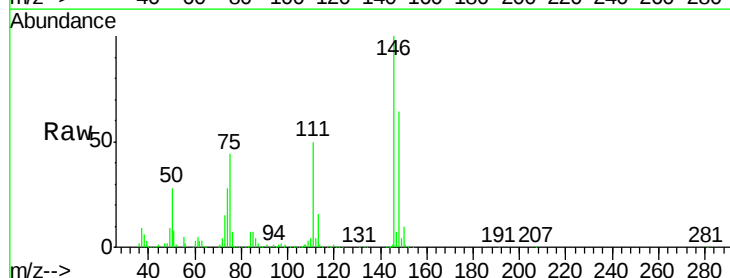
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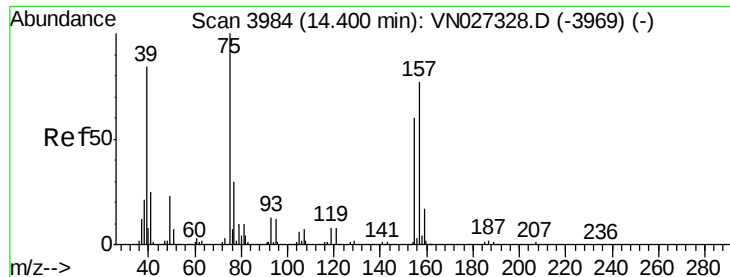
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#92
1,2-Dichlorobenzene
Concen: 44.04 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027328.D
Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.1	22.1	66.3
148	63.9	32.0	96.0





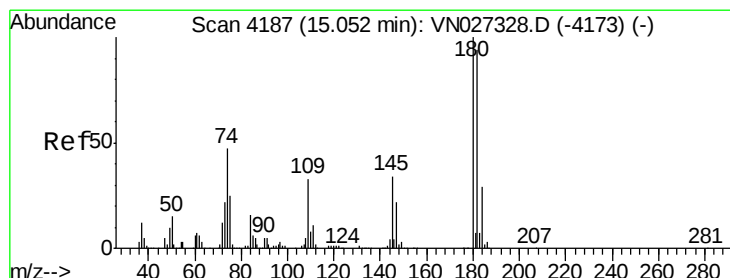
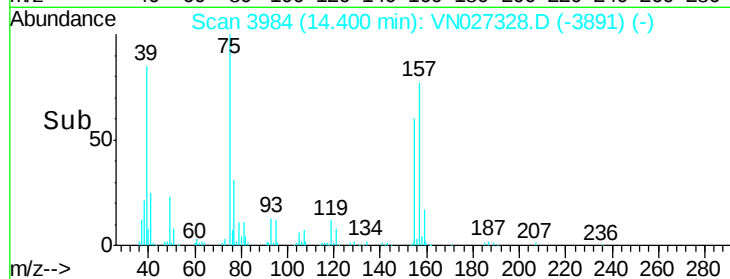
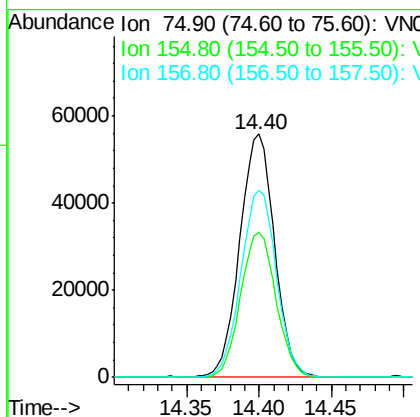
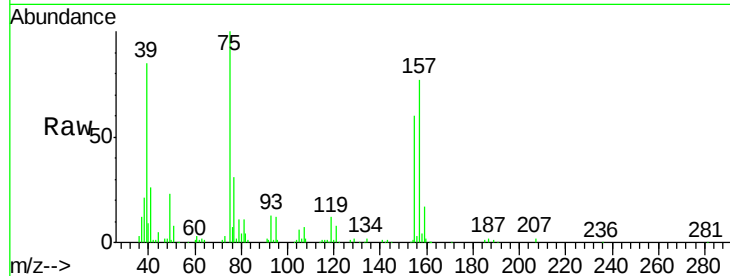
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 34.50 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
155	60.4	35.6	106.9
157	78.5	44.6	133.8

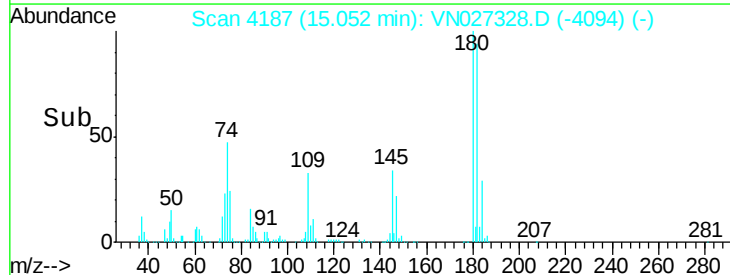
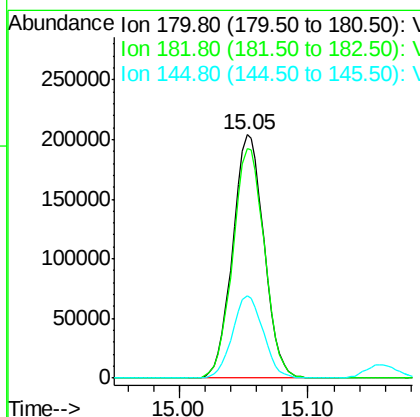
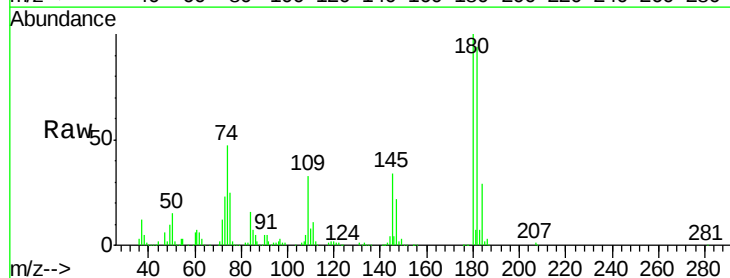
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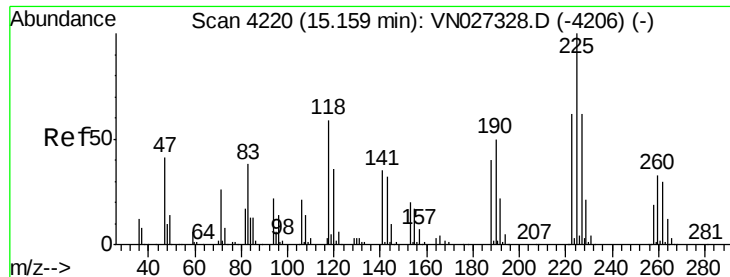
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#94
 1,2,4-Trichlorobenzene
 Concen: 46.09 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	33.2	15.1	45.3





#95

Hexachlorobutadiene

Concen: 45.02 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027328.D

Acq: 21 Sep 2015 11:49

Instrument :

MSVOA_N

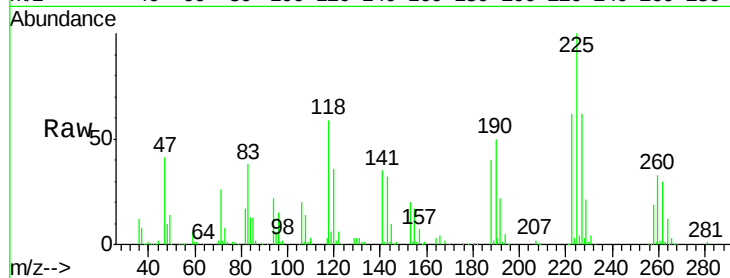
ClientSampleId :

VSTDICCC050

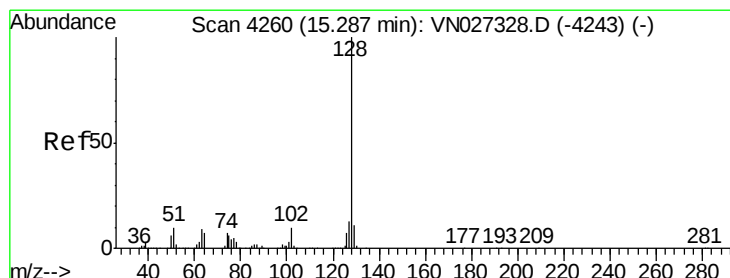
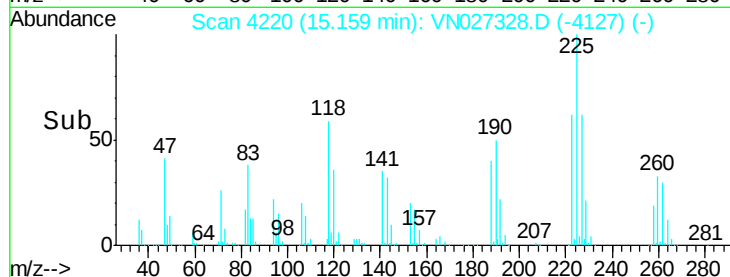
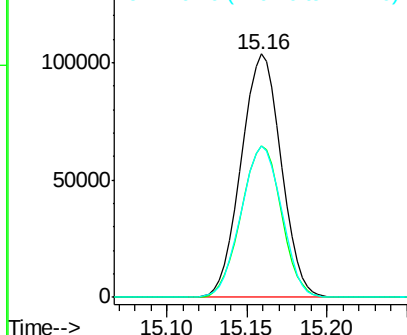
Tot Ion:	225	Resp:	176856
Ion Ratio		Lower	Upper
225	100		
223	62.4	30.8	92.3
227	63.1	31.7	95.1

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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: 40.45 ug/l

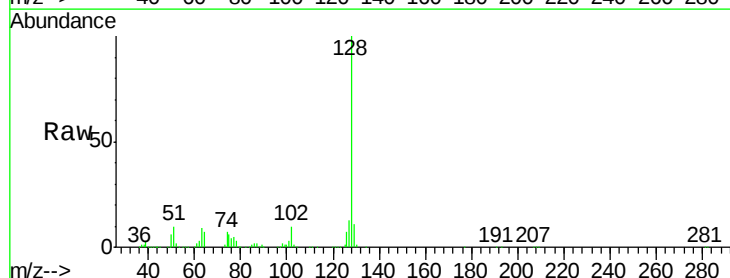
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

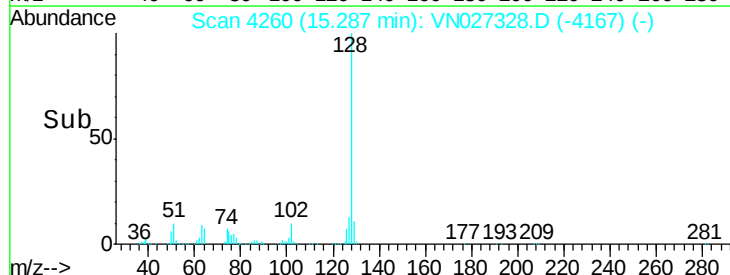
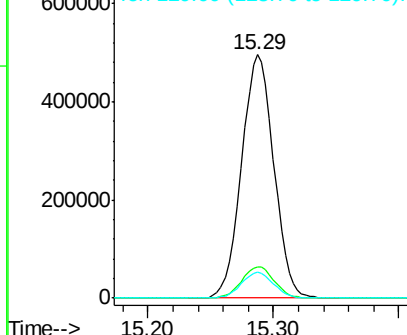
Lab File: VN027328.D

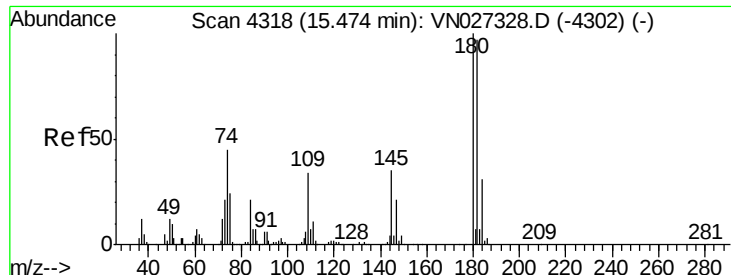
Acq: 21 Sep 2015 11:49

Tgt Ion:	128	Resp:	884686
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.5	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: 44.79 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027328.D
 Acq: 21 Sep 2015 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	332170
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.8	146.4
145	34.8	16.6	49.8

Manual Integrations
 APPROVED

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