

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022020\
 Data File : VN060168.D
 Acq On : 20 Feb 2020 13:16
 Operator : JC/MD
 Sample : L1601-04
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	324289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182652	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	119669	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	7.56	113	92950	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	10.08	98	409357	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.40	95	166262	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.17	50	1042	0.434	ug/l #	43
11) Tert butyl alcohol	4.70	59	3583	9.746	ug/l #	72
13) Acrolein	3.51	56	8439	23.223	ug/l #	1
14) Allyl chloride	4.35	41	9723	3.461	ug/l #	22
15) Acrylonitrile	5.01	53	21387	23.821	ug/l #	30
16) Acetone	3.75	43	65315	60.950	ug/l #	53
18) Methyl Acetate	4.54	43	1055330	524.244	ug/l #	50
20) Methylene Chloride	4.51	84	912	0.427	ug/l #	1
23) Vinyl Acetate	5.88	43	6651	1.286	ug/l #	71
25) 2-Butanone	6.78	43	11623	8.624	ug/l #	46
26) 2,2-Dichloropropane	6.60	77	3747	1.058	ug/l #	53
28) Bromochloromethane	7.36	49	1256	0.856	ug/l #	9
29) Tetrahydrofuran	7.18	42	877	1.061	ug/l #	30
30) Chloroform	7.30	83	29622	7.581	ug/l #	20
31) Cyclohexane	7.61	56	282465	81.292	ug/l #	51
36) 1,1-Dichloropropene	7.64	75	14676	4.886	ug/l #	44
37) Ethyl Acetate	6.78	43	11623	4.282	ug/l #	68
38) Carbon Tetrachloride	7.63	117	19307	5.918	ug/l #	15
39) Methylcyclohexane	9.06	83	248526	66.654	ug/l #	77
40) Benzene	8.01	78	30095	3.378	ug/l	100
41) Methacrylonitrile	7.19	41	7923	6.959	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	630	0.202	ug/l #	1
43) Isopropyl Acetate	8.13	43	69679	15.015	ug/l #	54
45) 1,2-Dichloropropane	9.12	63	1759	0.797	ug/l #	1
46) Dibromomethane	9.14	93	754	0.484	ug/l #	1
47) Bromodichloromethane	9.37	83	26498	8.361	ug/l #	26
48) Methyl methacrylate	9.20	41	71520	34.351	ug/l #	25
51) 4-Methyl-2-Pentanone	10.01	43	146575	54.570	ug/l #	82
52) Toluene	10.14	92	2615334	457.729	ug/l	85
53) t-1,3-Dichloropropene	10.14	75	31245	8.734	ug/l #	1
55) 1,1,2-Trichloroethane	10.52	97	69998	31.402	ug/l #	25
56) Ethyl methacrylate	10.46	69	8281	2.626	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.65	63	4711	3.207	ug/l #	46
59) 2-Hexanone	10.71	43	77104	37.161	ug/l #	30

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

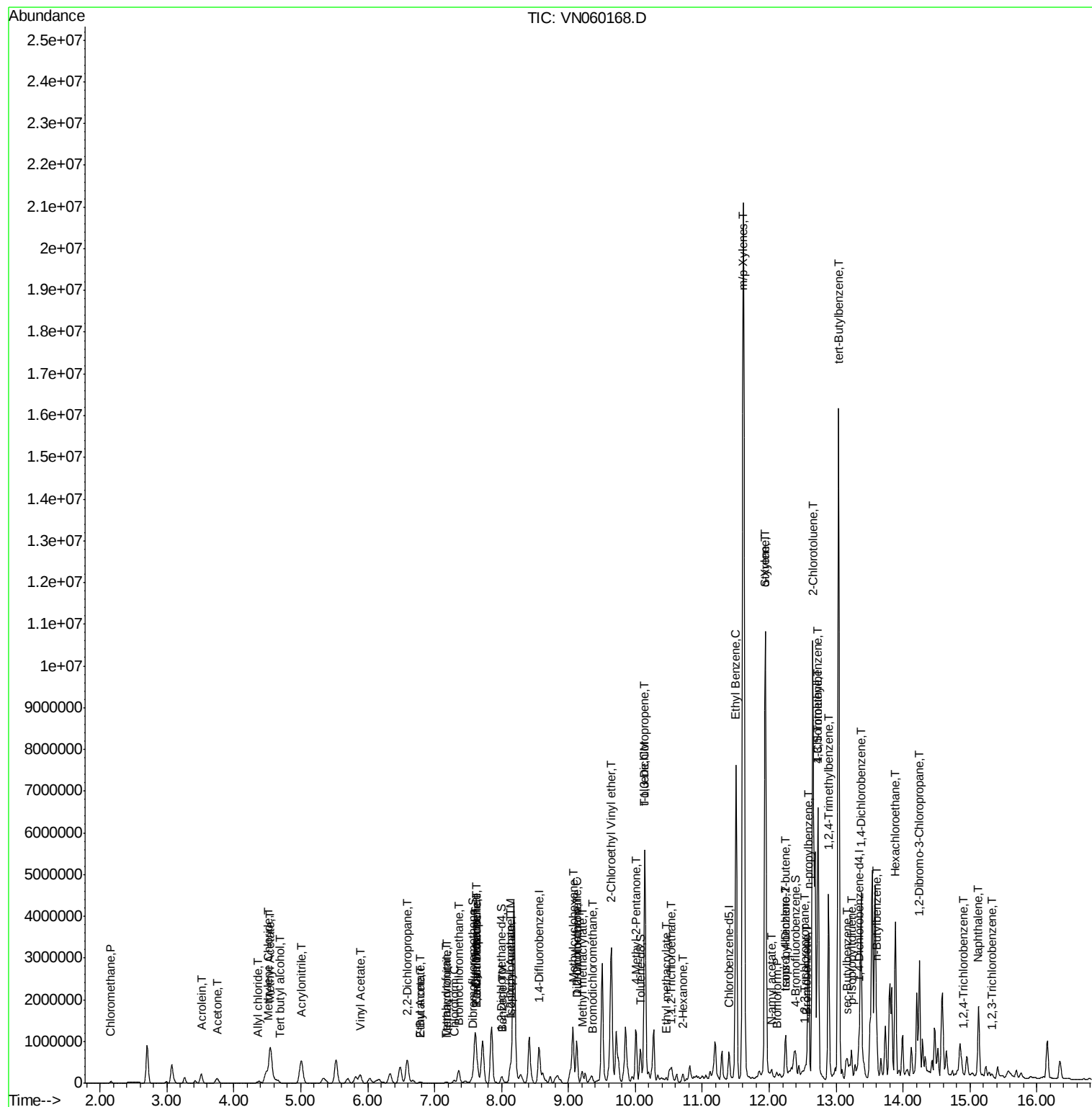
67) Ethyl Benzene	11.50	91	4964921	439.815	ug/l #	71
68) m/p-Xylenes	11.61	106	6588361	1555.033	ug/l #	53
69) o-Xylene	11.94	106	3236077	793.280	ug/l	68
70) Styrene	11.94	104	171243	26.032	ug/l #	1
71) Bromoform	12.13	173	835	0.438	ug/l #	76
73) Isopropylbenzene	12.24	105	700790	51.379	ug/l	100
74) N-amyl acetate	12.04	43	39910	8.115	ug/l #	62
76) 1,2,3-Trichloropropane	12.52	75	2613	0.748	ug/l #	100
77) Bromobenzene	12.55	156	279808	82.664	ug/l #	1
78) n-propylbenzene	12.59	91	2636529	169.662	ug/l	98
79) 2-Chlorotoluene	12.65	91	1004406	109.965	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	3155110	278.213	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.24	75	8743	6.126	ug/l #	65
82) 4-Chlorotoluene	12.73	91	369008	39.378	ug/l #	41
83) tert-Butylbenzene	13.04	119	1460090	145.542	ug/l #	65
84) 1,2,4-Trimethylbenzene	12.89	105	2731882	244.035	ug/l	81
85) sec-Butylbenzene	13.17	105	262989	19.794	ug/l #	54
86) p-Isopropyltoluene	13.23	119	355010	29.492	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	3373	0.563	ug/l #	56
89) n-Butylbenzene	13.61	91	367029	34.665	ug/l #	61
90) Hexachloroethane	13.89	117	187498	83.375	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10259	11.699	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1686	0.489	ug/l #	74
95) Naphthalene	15.13	128	1405195	150.985	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1291	0.376	ug/l #	1

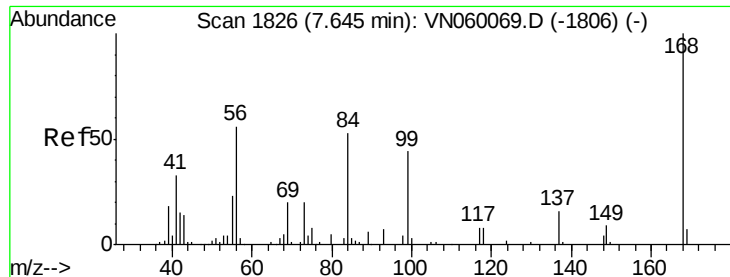
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

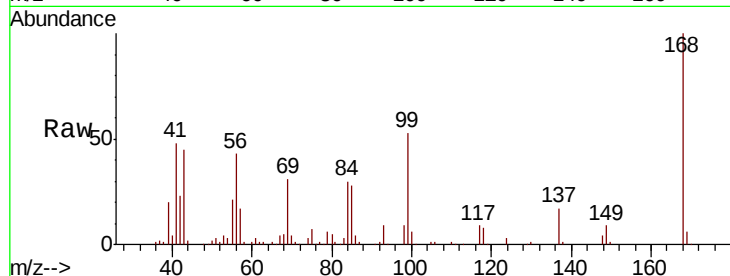
ClientSampleId :

Tot Ion:168 Resp: 201898

Ion Ratio Lower Upper

168 100

99 53.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)

7.64

80000

60000

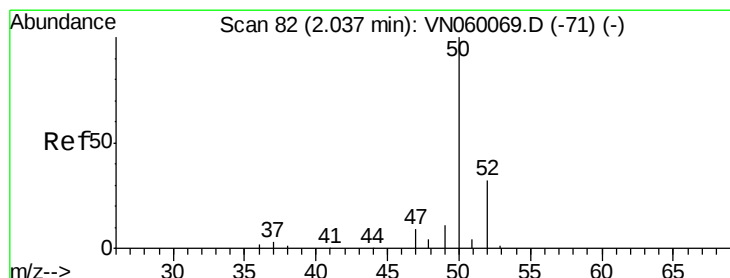
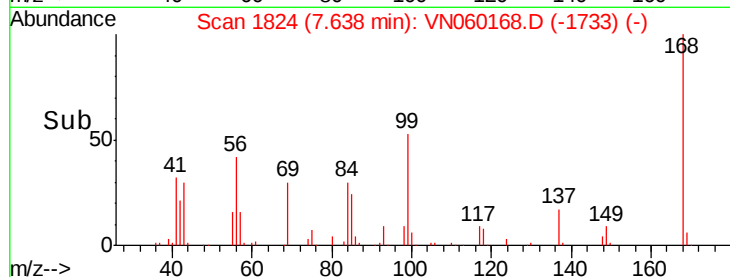
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.434 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.13 min

Lab File: VN060168.D

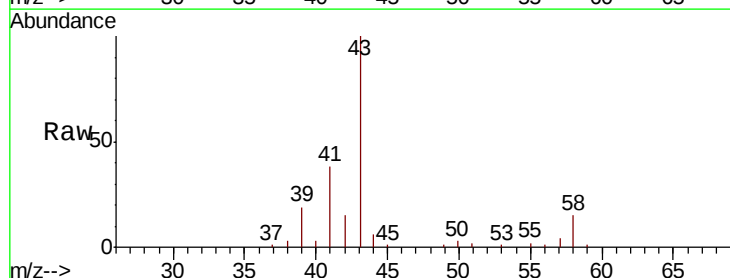
Acq: 20 Feb 2020 13:16

Tgt Ion: 50 Resp: 1042

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN060069.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN060069.D (-71) (-)

2.17

800

600

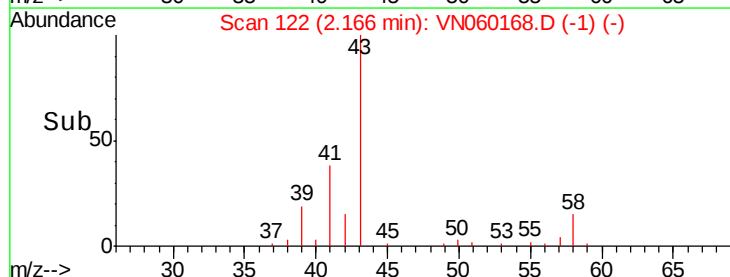
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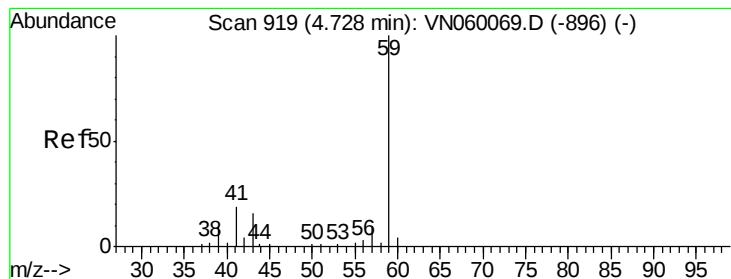
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0

2.12 2.14 2.16 2.18 2.20

Time-->



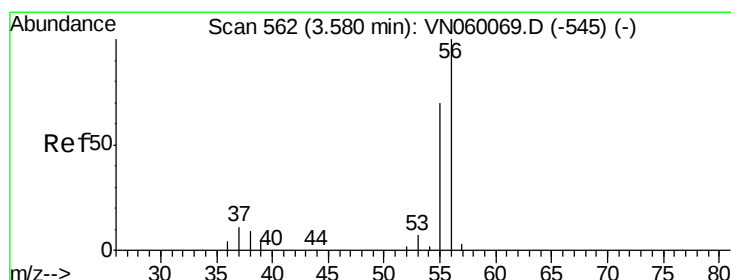
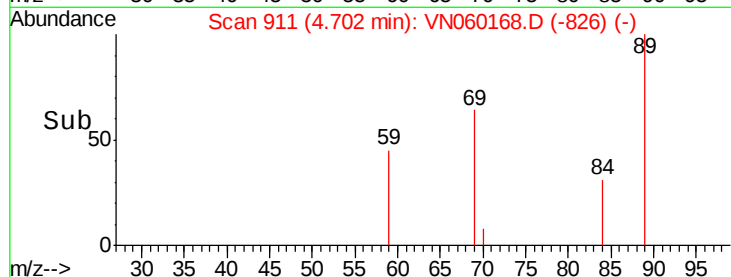
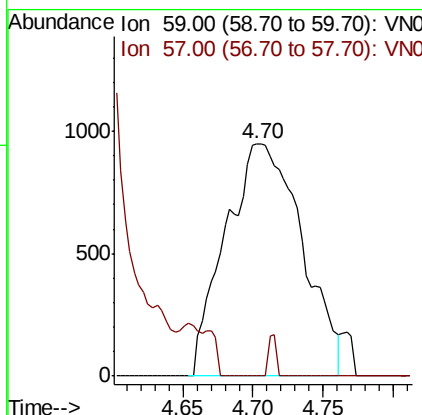
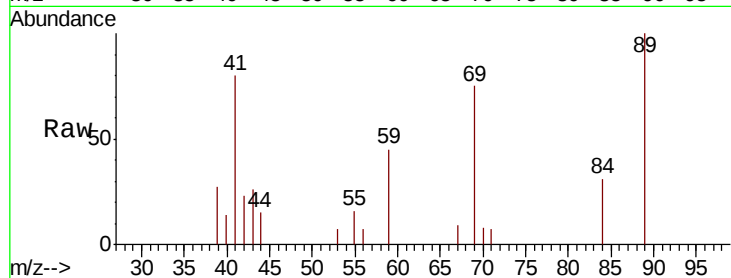


#11

Tert butyl alcohol
 Concen: 9.746 ug/l
 RT: 4.70 min Scan# 911
 Delta R.T. -0.03 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Instrument :
 MSVOA_N
 ClientSampled :

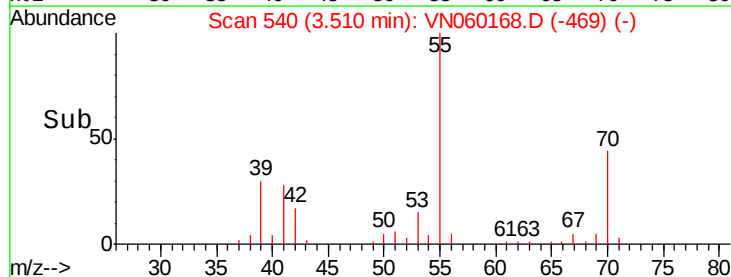
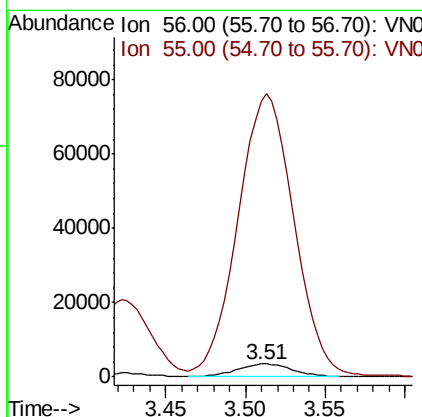
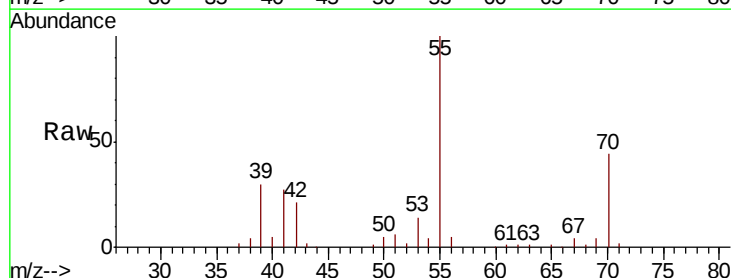
Tot Ion: 59 Resp: 3583
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

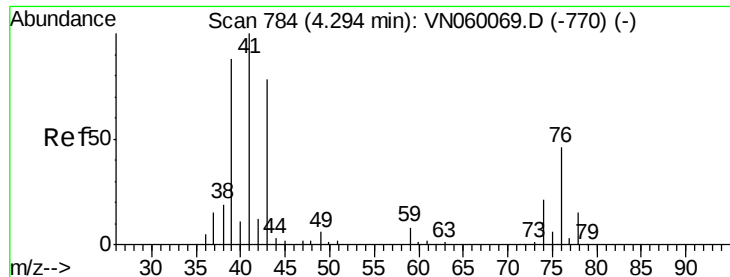


#13

Acrolein
 Concen: 23.223 ug/l
 RT: 3.51 min Scan# 540
 Delta R.T. -0.07 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Tgt Ion: 56 Resp: 8439
 Ion Ratio Lower Upper
 56 100
 55 2162.0 54.8 82.2#

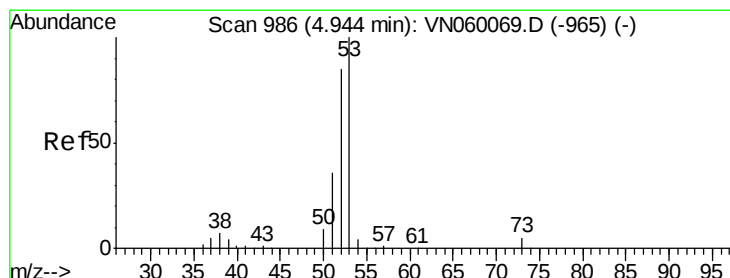
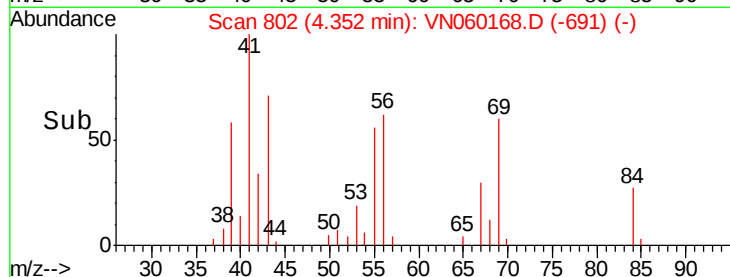
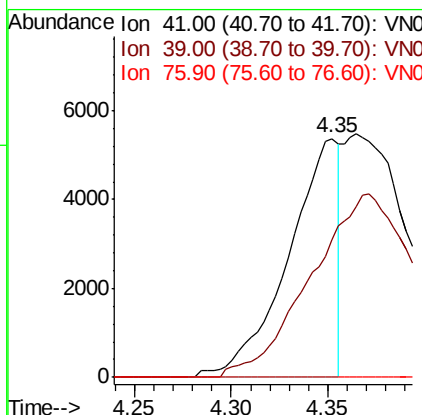
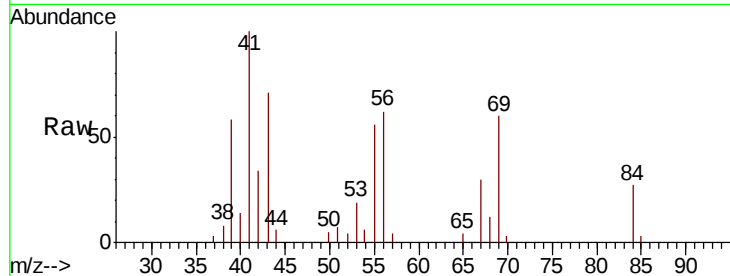




#14
Allvl chloride
Concen: 3.461 ug/l
RT: 4.35 min Scan# 802
Delta R.T. 0.06 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

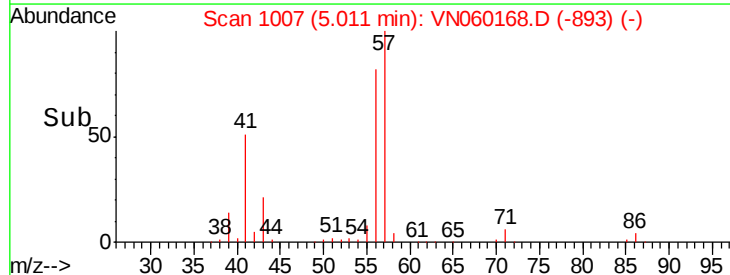
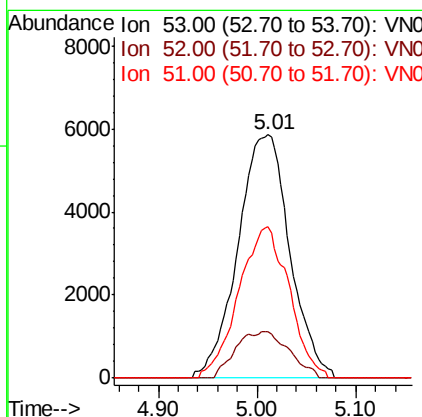
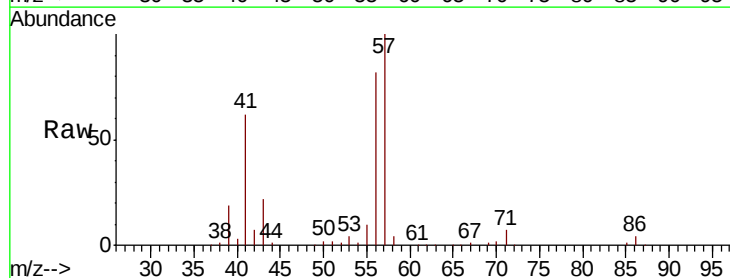
Instrument :
MSVOA_N
ClientSampled :

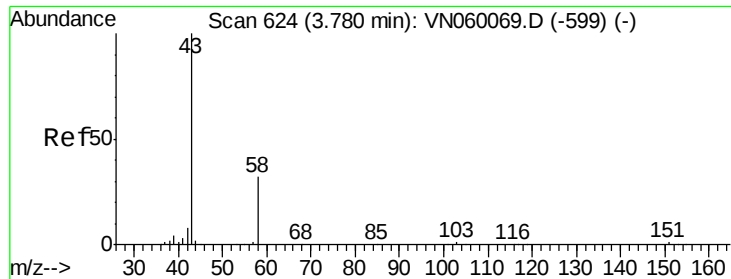
Tot Ion: 41 Resp: 9723
Ion Ratio Lower Upper
41 100
39 161.6 67.8 101.8#
76 0.0 33.9 50.9#



#15
Acrylonitrile
Concen: 23.821 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.07 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 53 Resp: 21387
Ion Ratio Lower Upper
53 100
52 8.1 66.8 100.2#
51 60.1 29.4 44.0#

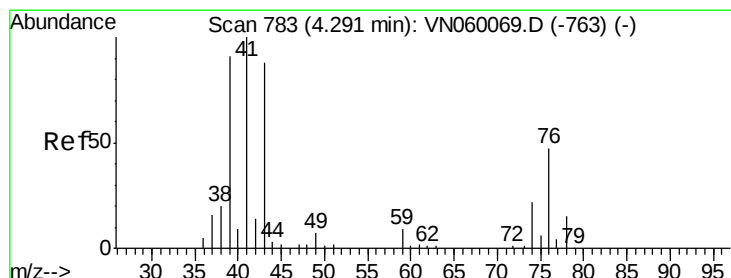
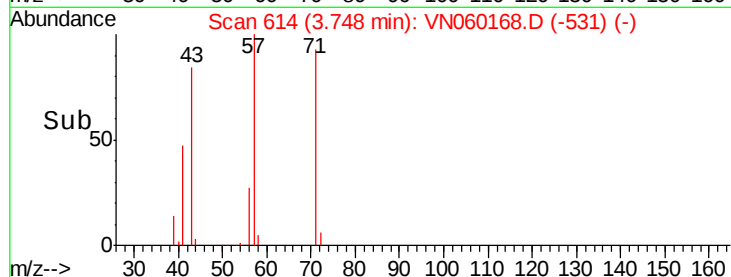
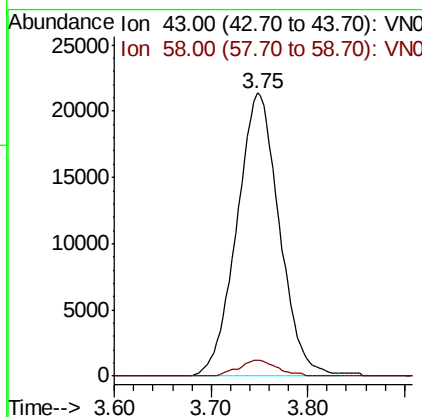
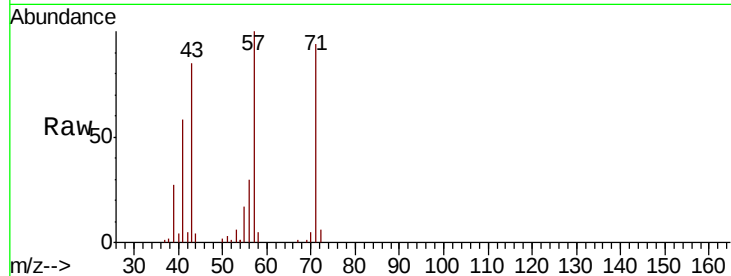




#16
Acetone
Concen: 60.950 ug/l
RT: 3.75 min Scan# 614
Delta R.T. -0.03 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

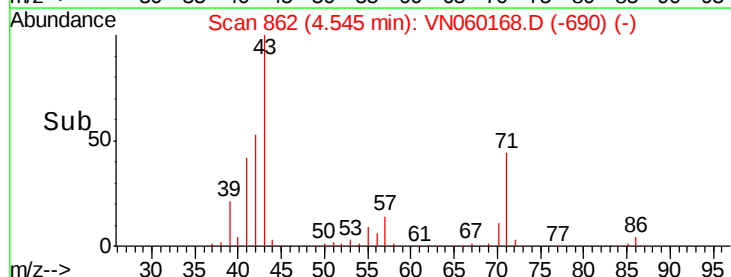
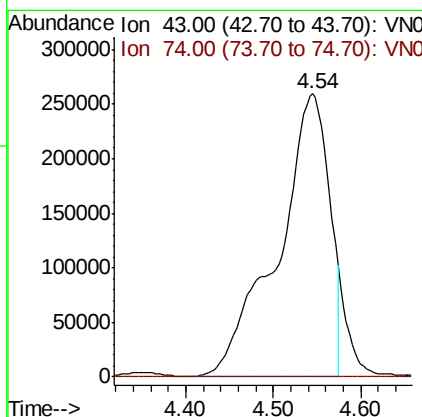
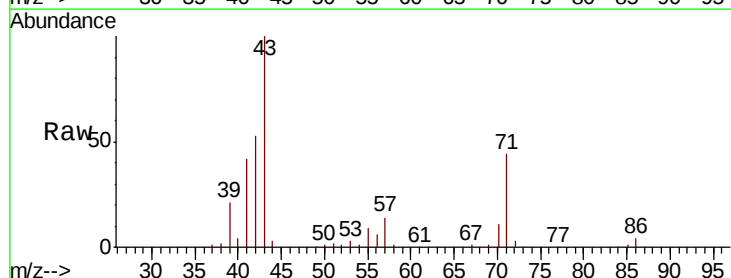
Instrument :
MSVOA_N
ClientSampleId :

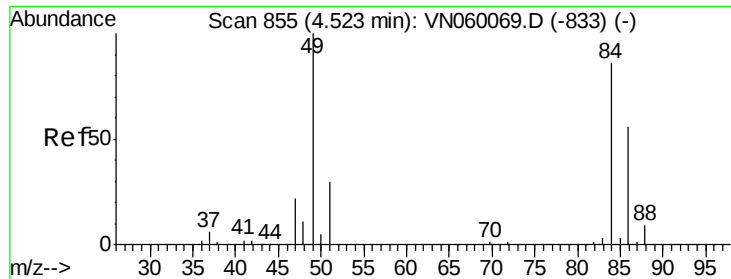
Tot Ion: 43 Resp: 65315
Ion Ratio Lower Upper
43 100
58 5.7 25.2 37.8#



#18
Methyl Acetate
Concen: 524.244 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.25 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 43 Resp: 1055330
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#

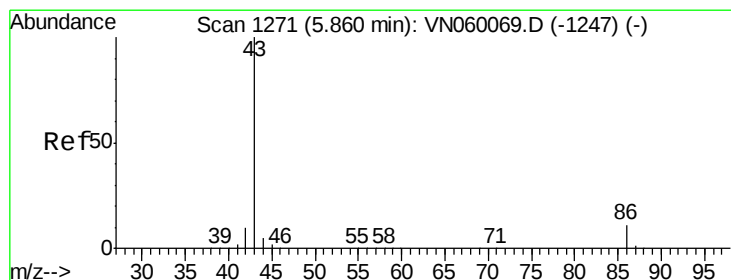
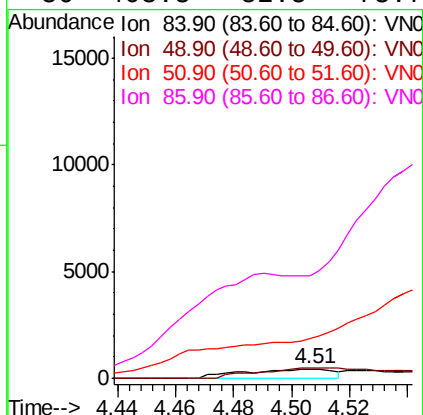
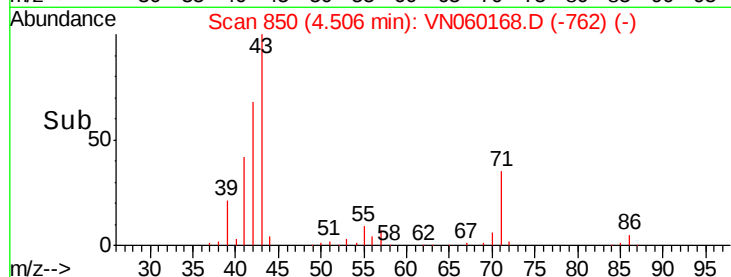
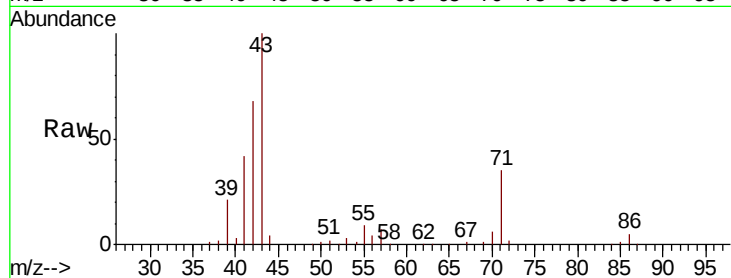




#20
Methvlene Chloride
Concen: 0.427 ug/l
RT: 4.51 min Scan# 850
Delta R.T. -0.02 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

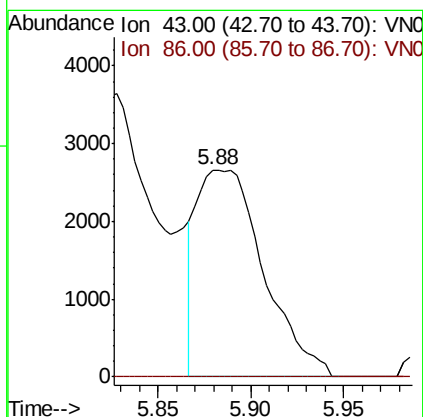
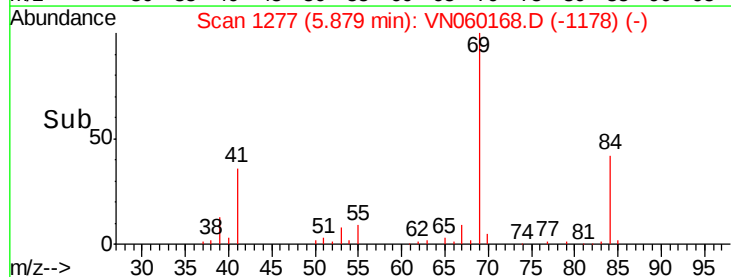
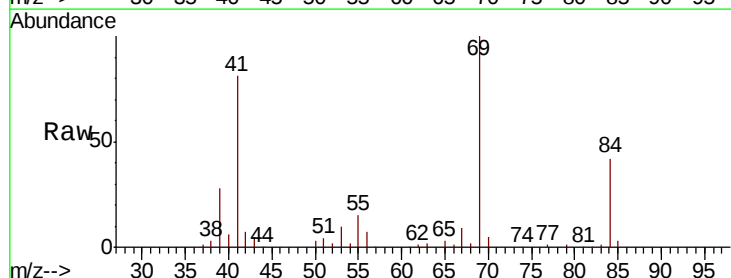
Instrument :
MSVOA_N
ClientSampled :

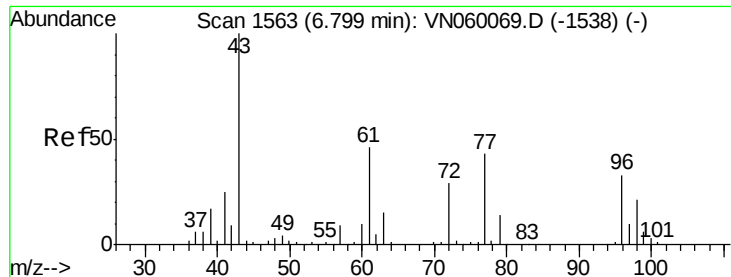
Tot Ion: 84 Resp: 912
Ion Ratio Lower Upper
84 100
49 119.0 93.4 140.0
51 129.6 28.4 42.6#
86 408.8 52.5 78.7#



#23
Vinyl Acetate
Concen: 1.286 ug/l
RT: 5.88 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 43 Resp: 6651
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#

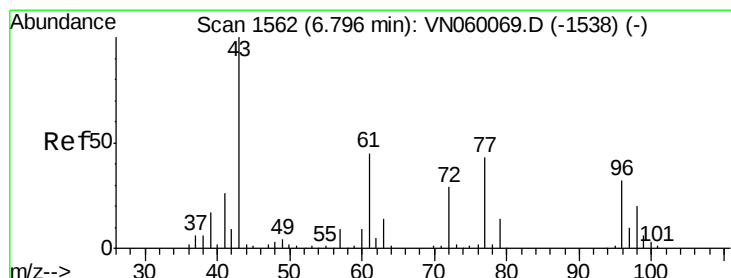
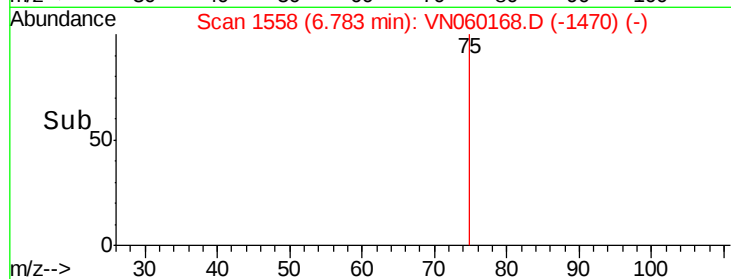
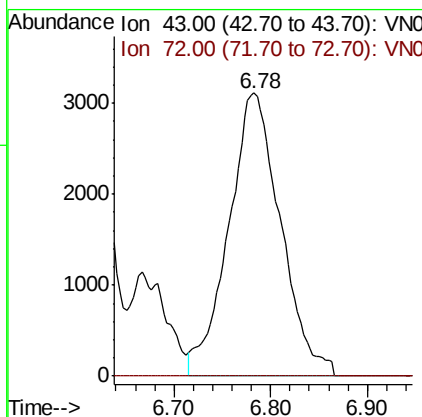
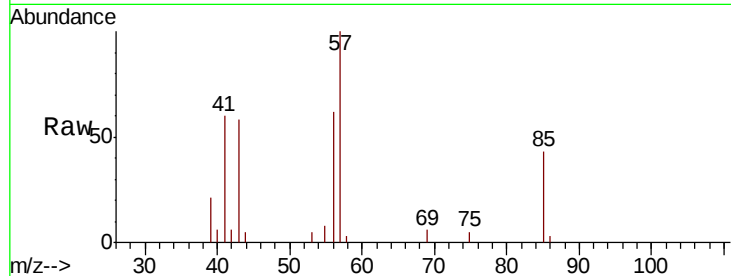




#25
2-Butanone
Concen: 8.624 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.02 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

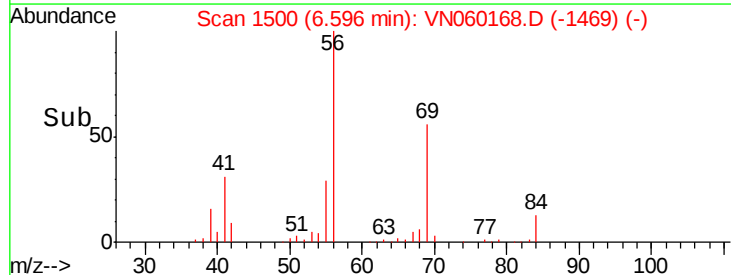
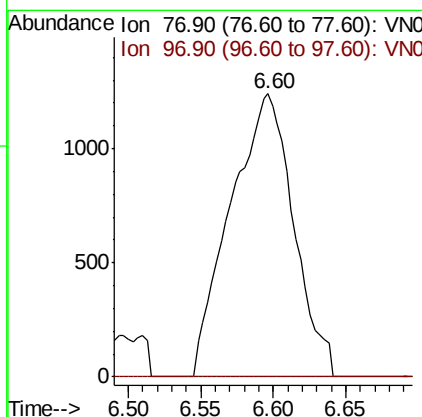
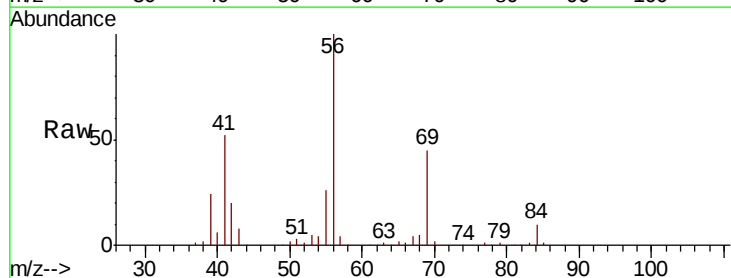
Instrument :
MSVOA_N
ClientSampleId :

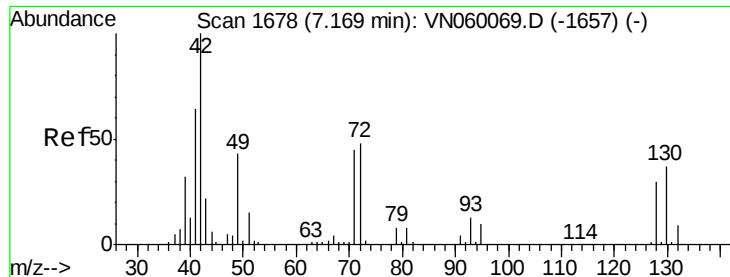
Tot Ion: 43 Resp: 11623
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#26
2,2-Dichloropropane
Concen: 1.058 ug/l
RT: 6.60 min Scan# 1500
Delta R.T. -0.20 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 77 Resp: 3747
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#28

Bromochloromethane

Concen: 0.856 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.19 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

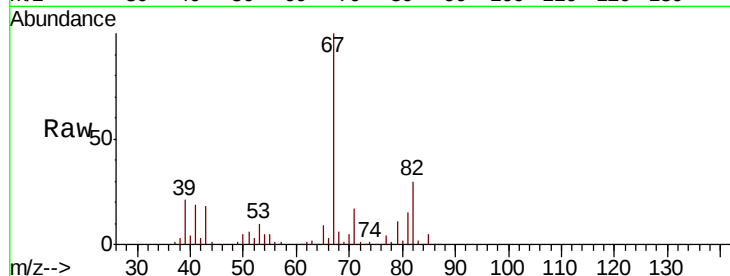
Tot Ion: 49 Resp: 1256

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

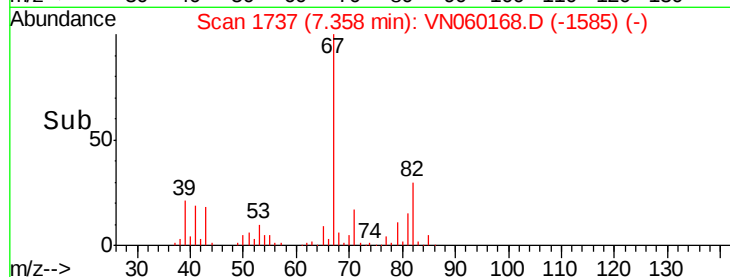
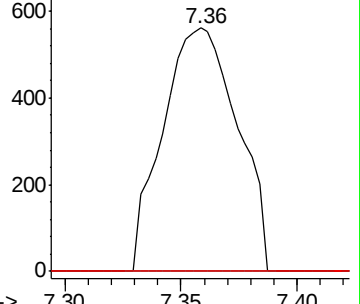
130 0.0 66.8 100.2#



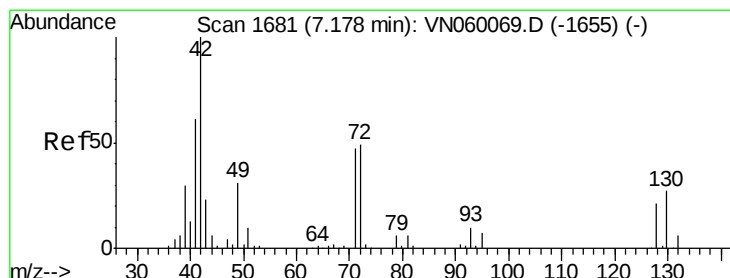
Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 1.061 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

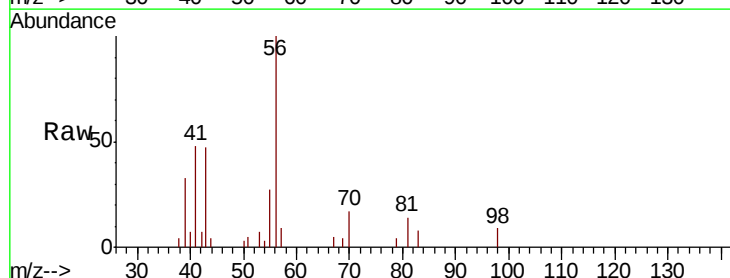
Tgt Ion: 42 Resp: 877

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

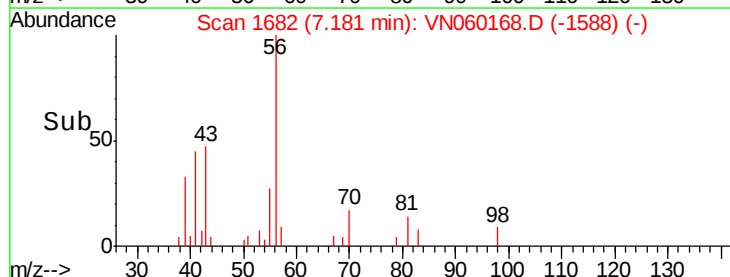
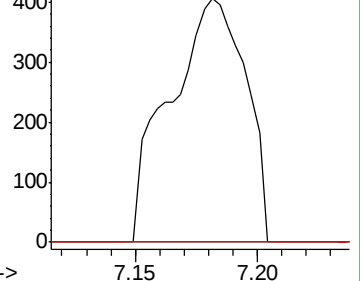
71 0.0 36.6 54.8#



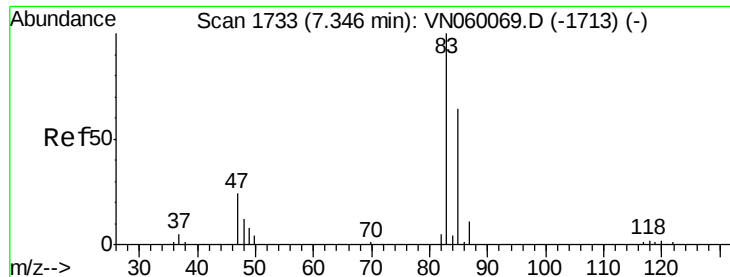
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



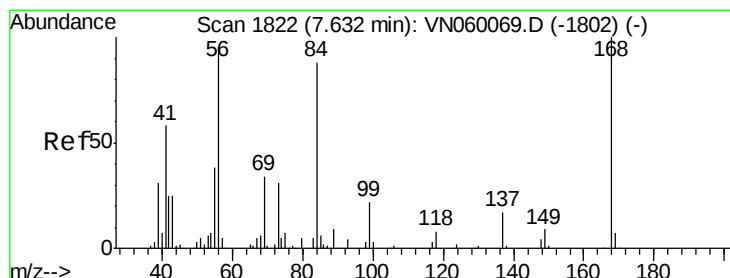
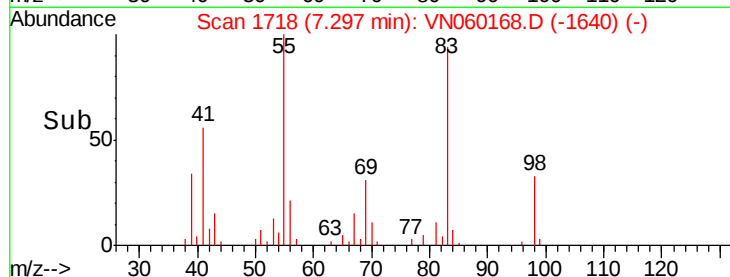
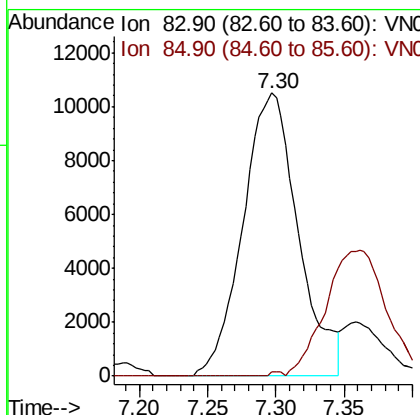
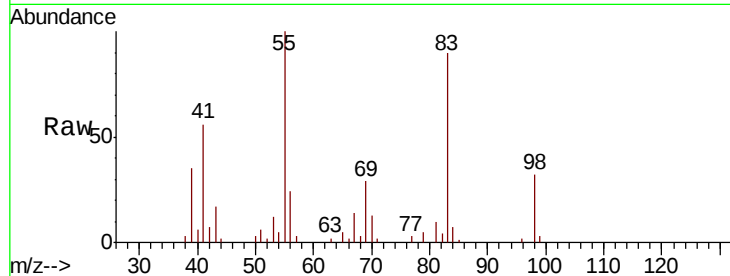
Time-->



#30
Chloroform
Concen: 7.581 ug/l
RT: 7.30 min Scan# 1718
Delta R.T. -0.05 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

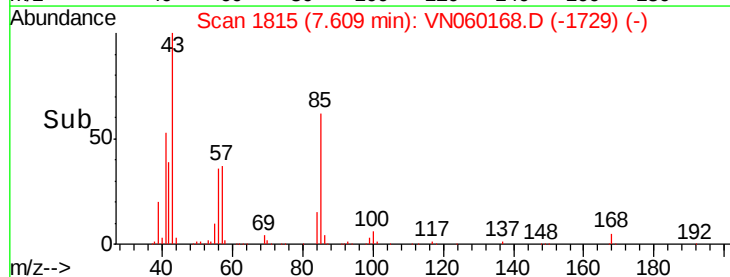
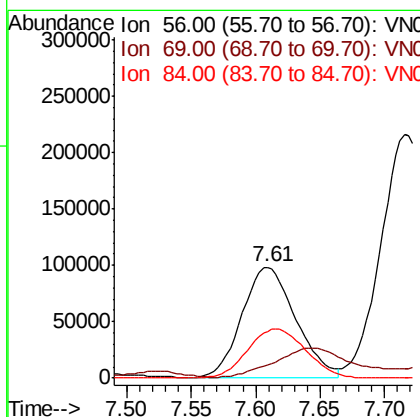
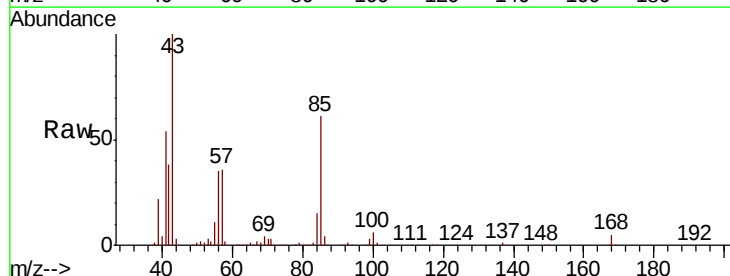
Instrument :
MSVOA_N
ClientSampled :

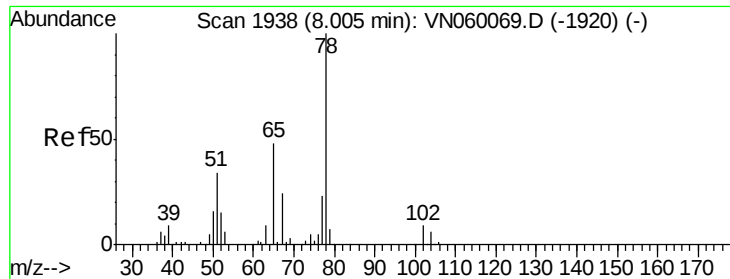
Tot Ion: 83 Resp: 29622
Ion Ratio Lower Upper
83 100
85 1.6 51.4 77.0#



#31
Cyclohexane
Concen: 81.292 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.02 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 56 Resp: 282465
Ion Ratio Lower Upper
56 100
69 8.9 28.3 42.5#
84 42.6 72.6 108.8#

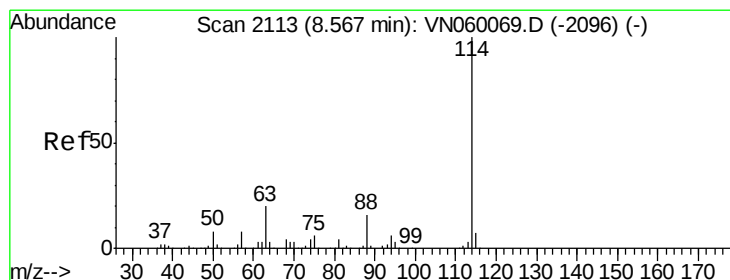
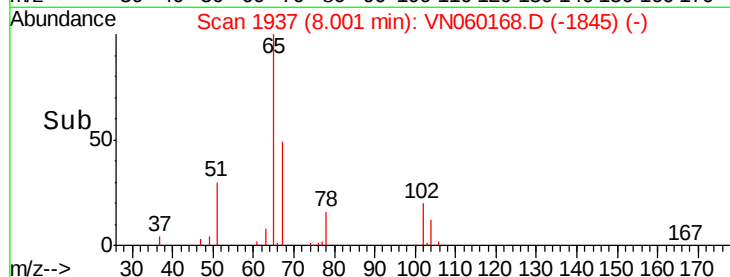
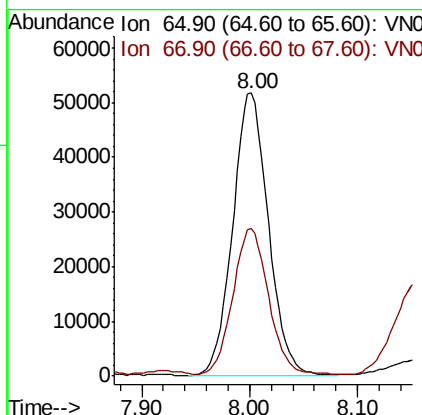
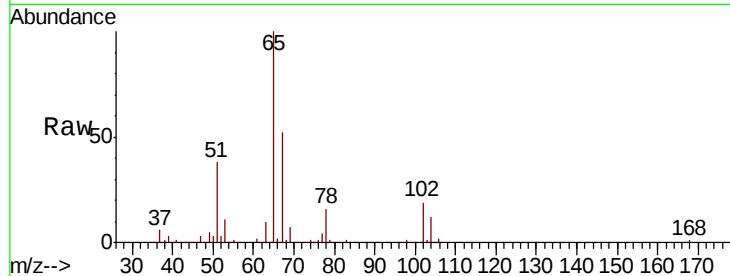




#33
 1,2-Dichloroethane-d4
 Concen: 48.710 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

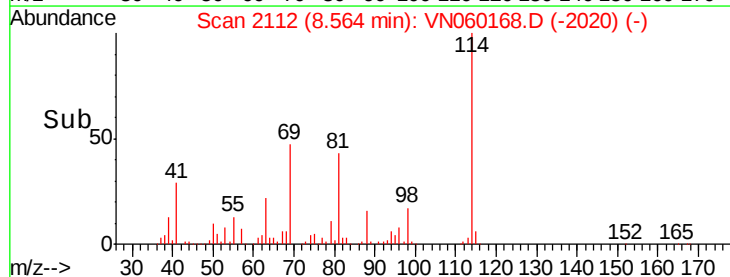
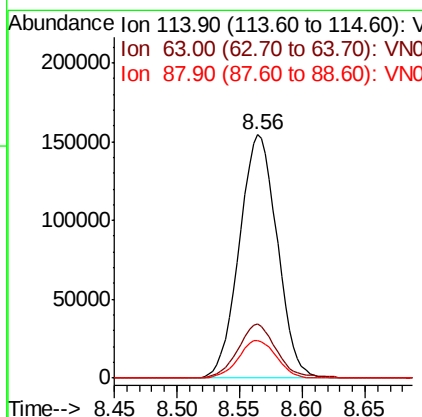
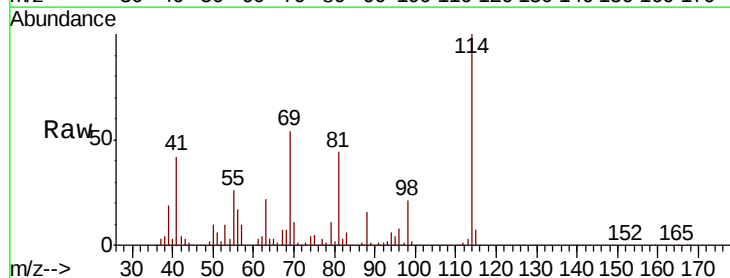
Instrument :
 MSVOA_N
 ClientSampleId :

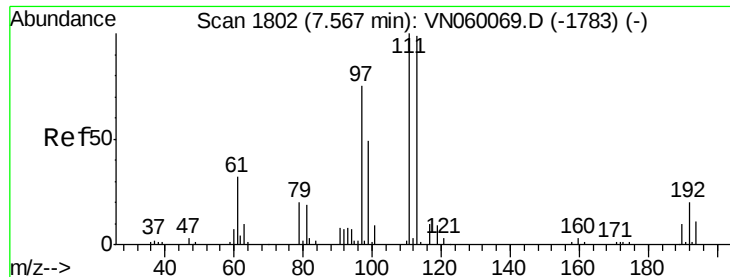
Tot Ion: 65 Resp: 119669
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Tgt Ion: 114 Resp: 324289
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.0
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.629 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :

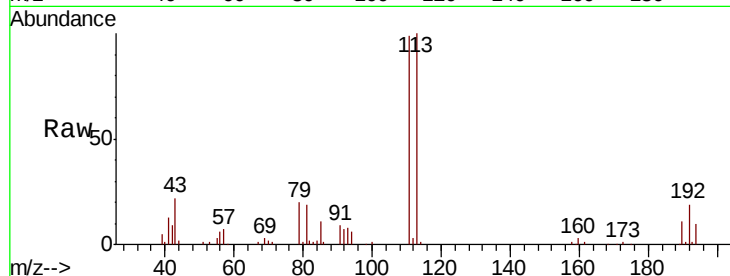
Tot Ion:113 Resp: 92950

Ion Ratio Lower Upper

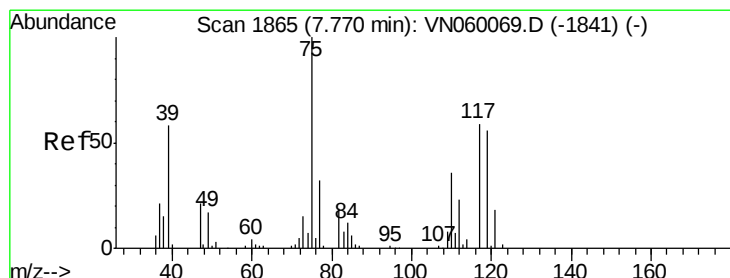
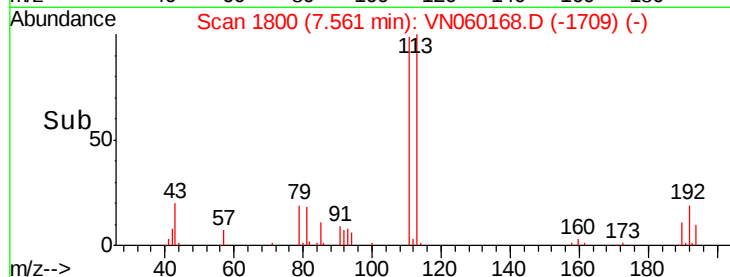
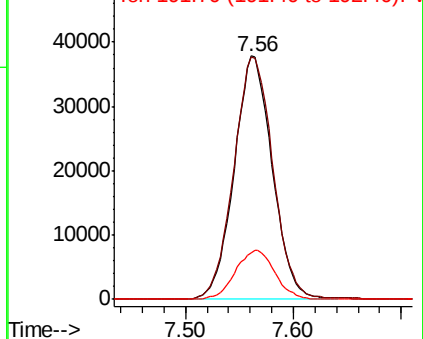
113 100

111 102.5 81.4 122.2

192 20.8 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.886 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

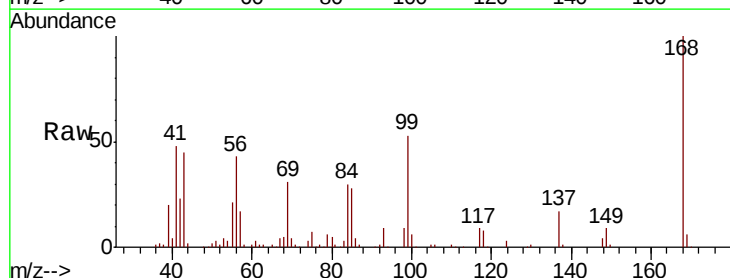
Tgt Ion: 75 Resp: 14676

Ion Ratio Lower Upper

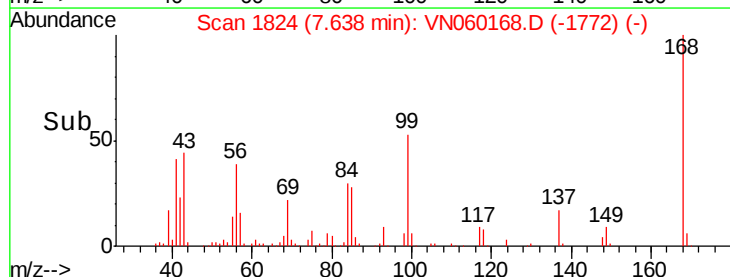
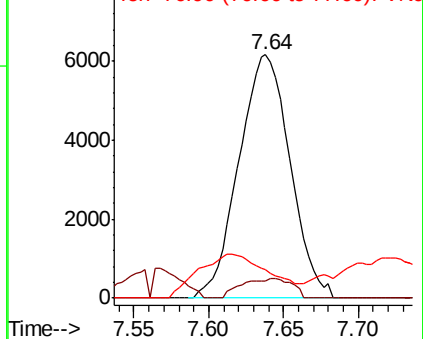
75 100

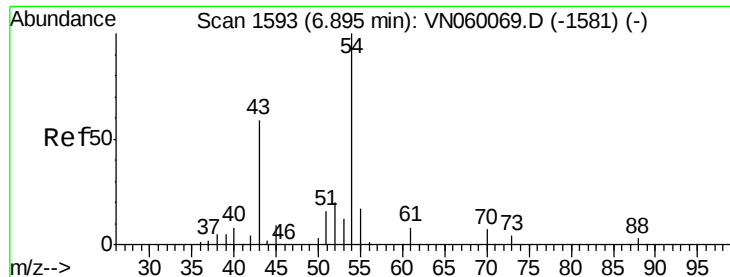
110 3.6 18.1 54.3#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

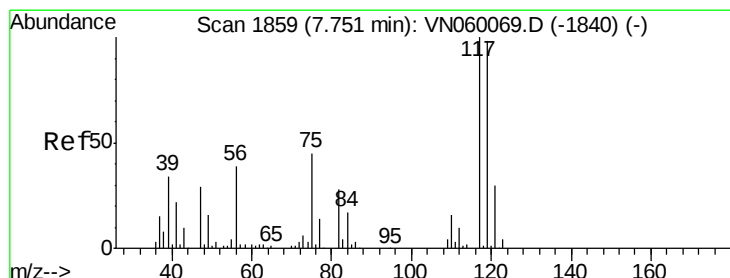
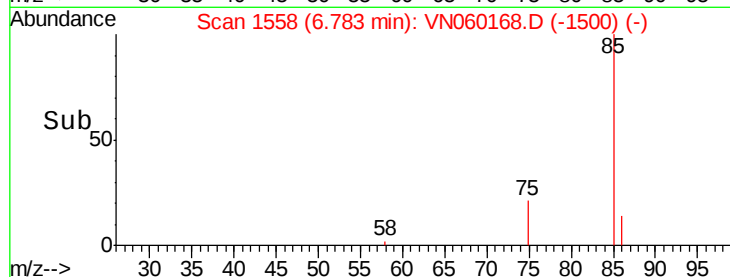
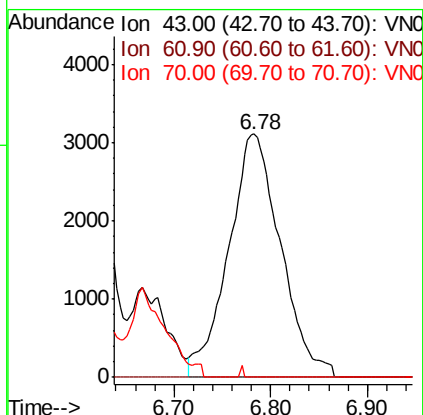
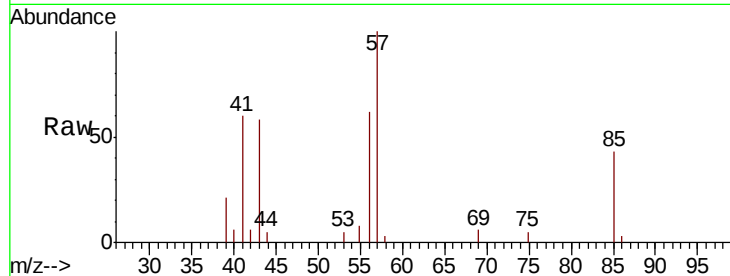




#37
Ethyl Acetate
Concen: 4.282 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.11 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

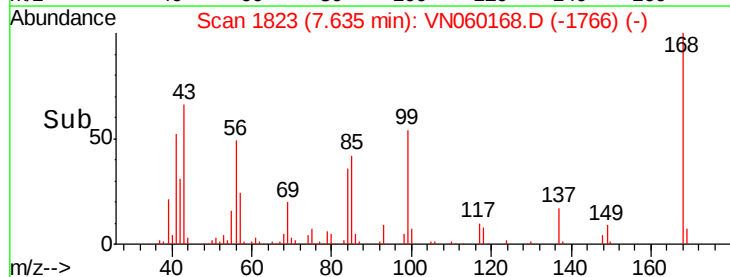
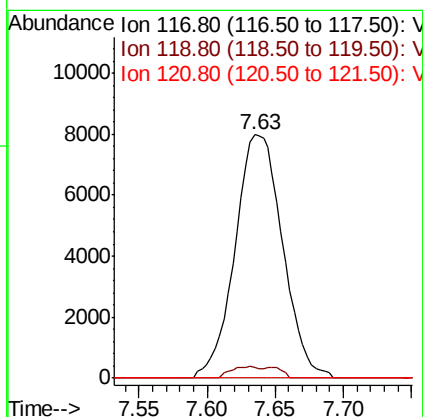
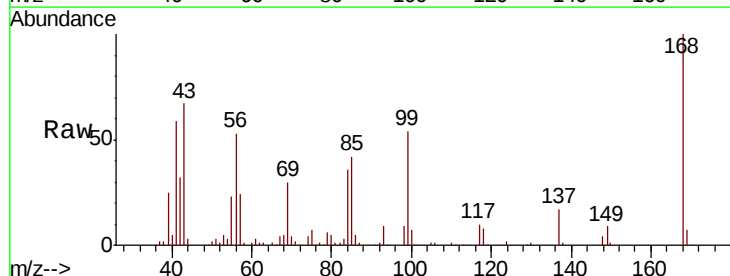
Instrument :
MSVOA_N
ClientSampleId :

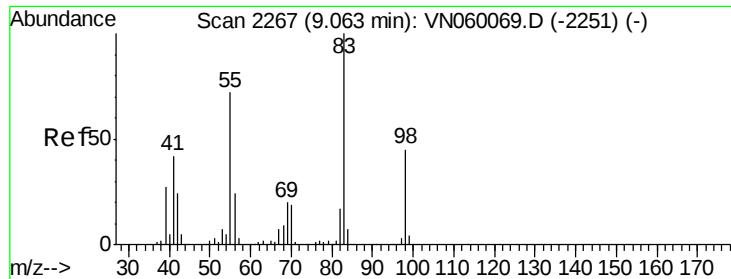
Tot Ion: 43 Resp: 11623
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.918 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.12 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 117 Resp: 19307
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.4#
121 0.0 24.2 36.2#

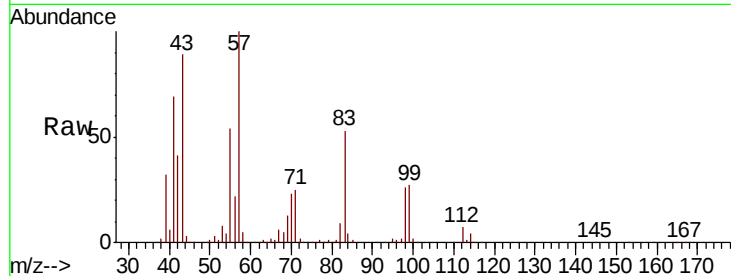




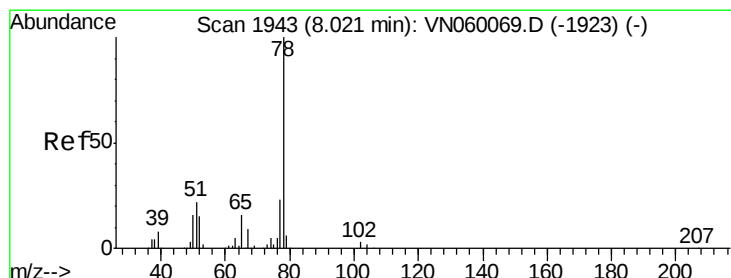
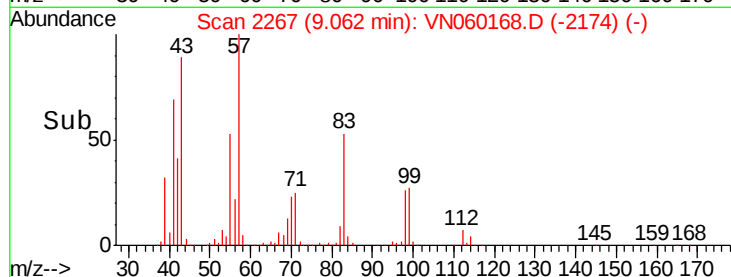
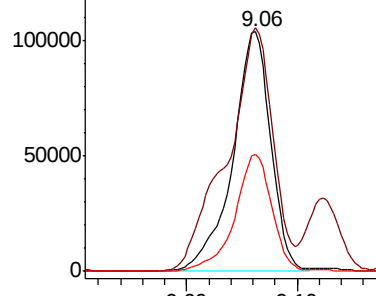
#39
Methvlcvclohexane
Concen: 66.654 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 248526
Ion Ratio Lower Upper
83 100
55 101.4 57.8 86.8#
98 48.9 36.4 54.6

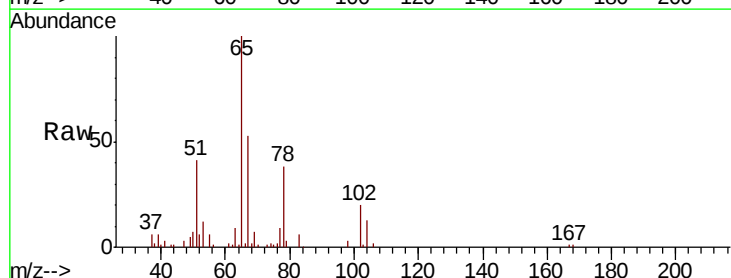


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

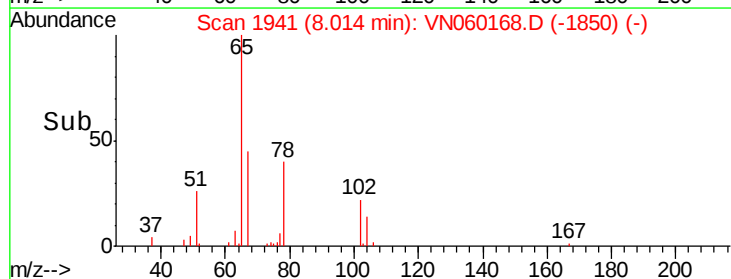
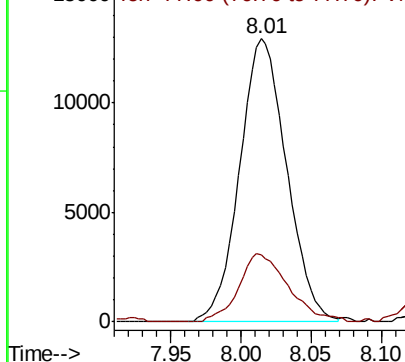


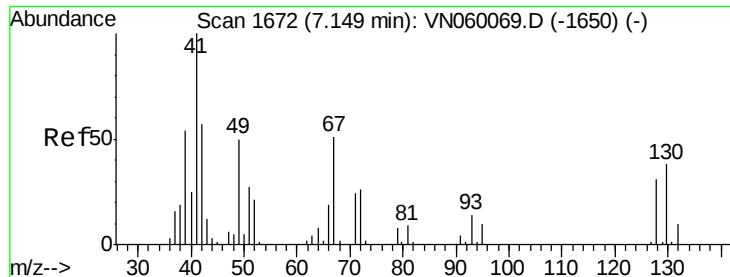
#40
Benzene
Concen: 3.378 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 78 Resp: 30095
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

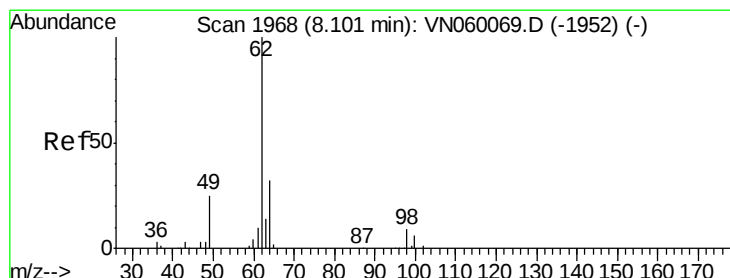
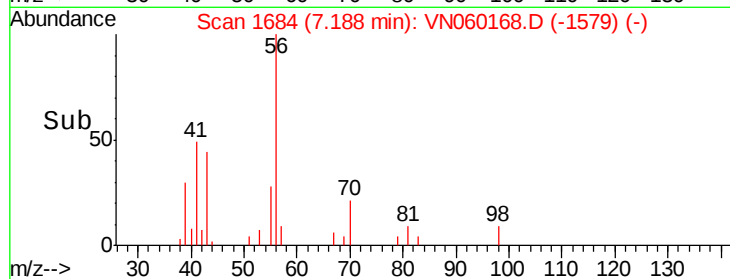
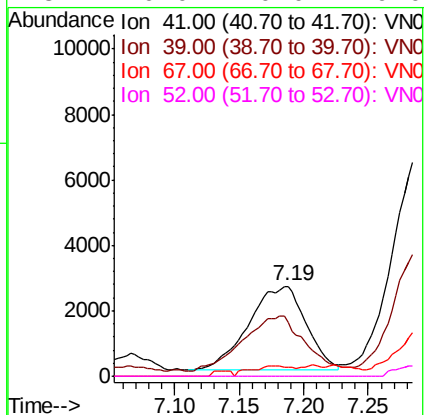
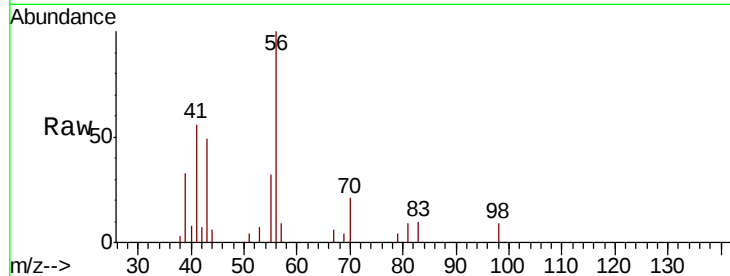




#41
Methacrylonitrile
Concen: 6.959 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.04 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

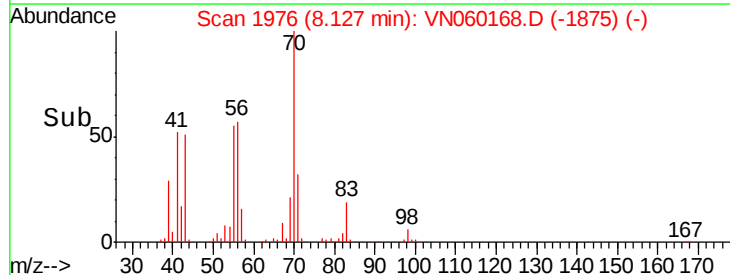
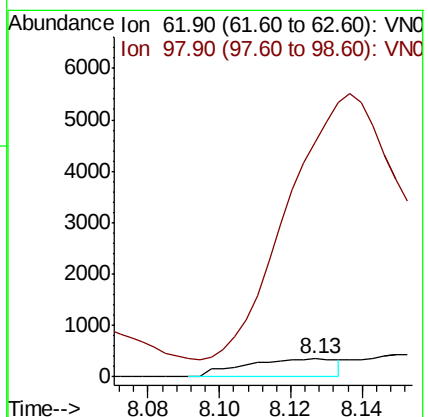
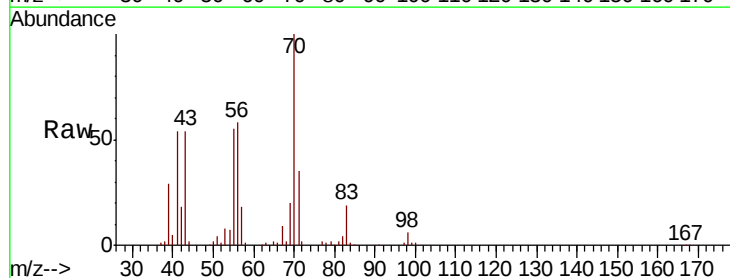
Instrument :
MSVOA_N
ClientSampled :

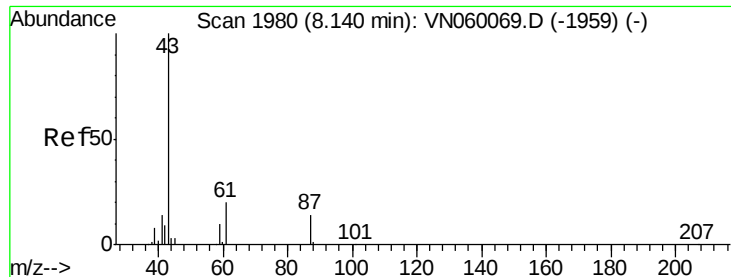
Tot Ion:	41	Resp:	7923
Ion	Ratio	Lower	Upper
41	100		
39	70.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 0.202 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.03 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion:	62	Resp:	630
Ion	Ratio	Lower	Upper
62	100		
98	1803.8	0.0	18.2#





#43

Isopropyl Acetate

Concen: 15.015 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.01 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

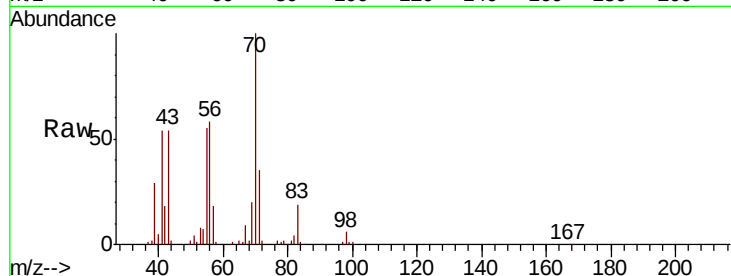
Tot Ion: 43 Resp: 69679

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

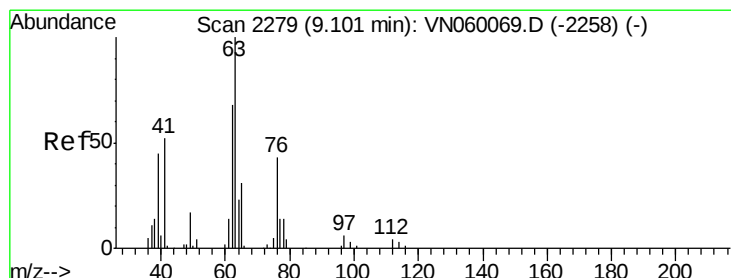
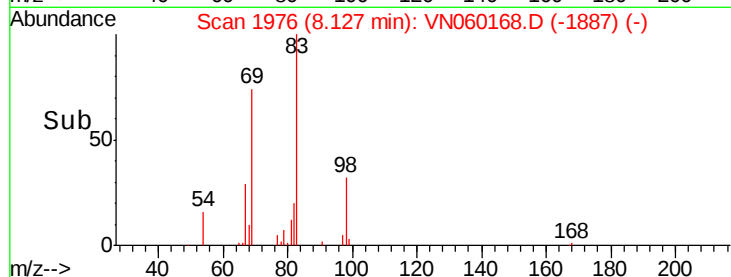
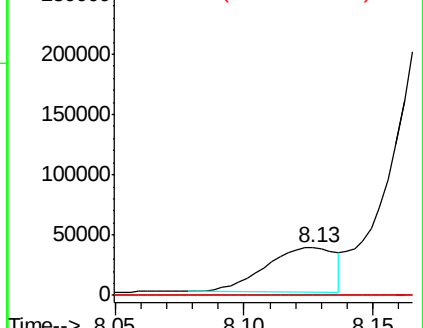
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.797 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.02 min

Lab File: VN060168.D

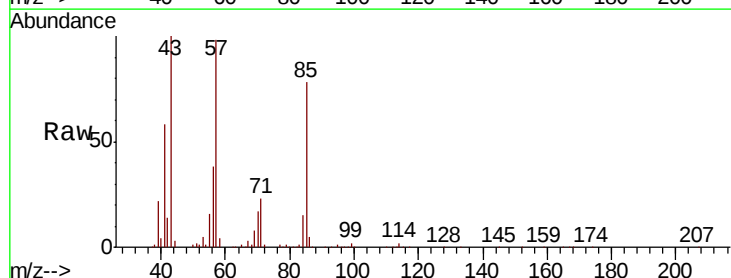
Acq: 20 Feb 2020 13:16

Tgt Ion: 63 Resp: 1759

Ion Ratio Lower Upper

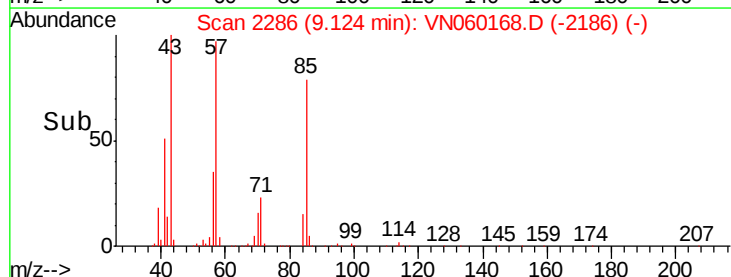
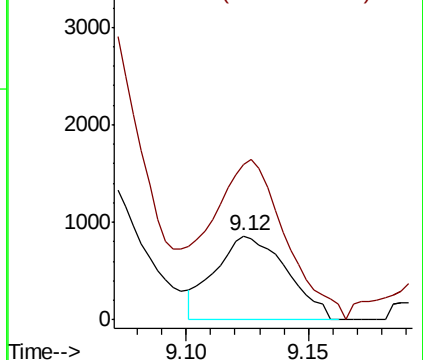
63 100

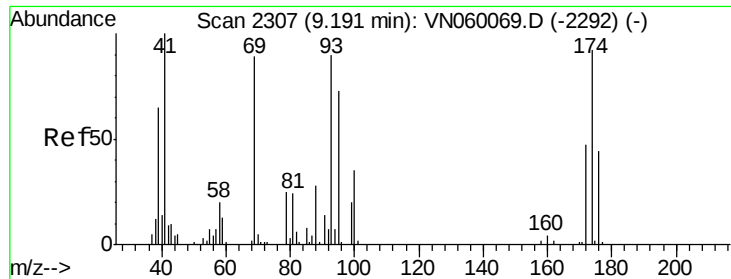
65 164.8 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060069.D (-2258) (-)

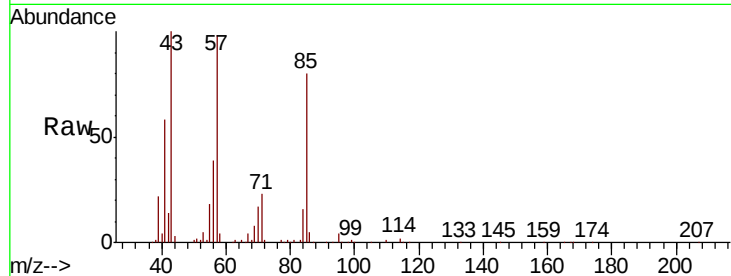




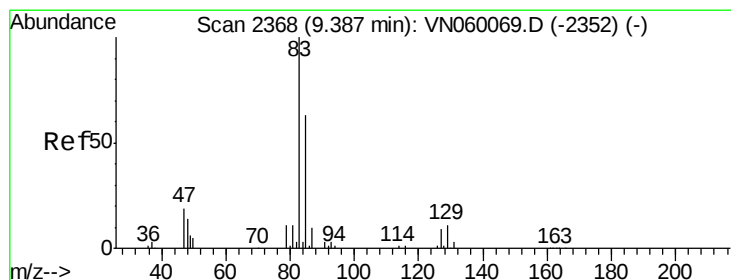
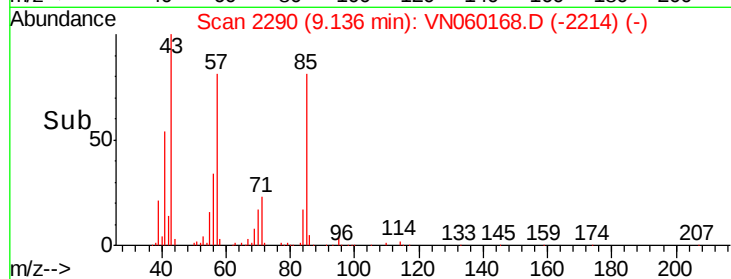
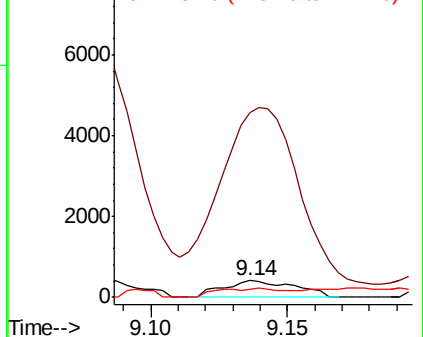
#46
Dibromomethane
Concen: 0.484 ug/l
RT: 9.14 min Scan# 2290
Delta R.T. -0.05 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 93 Resp: 754
Ion Ratio Lower Upper
93 100
95 1258.9 65.0 97.6#
174 51.2 82.3 123.5#

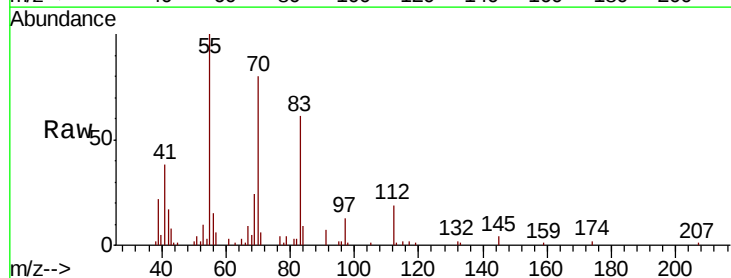


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

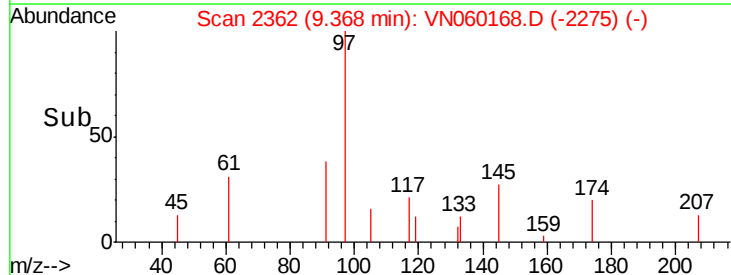
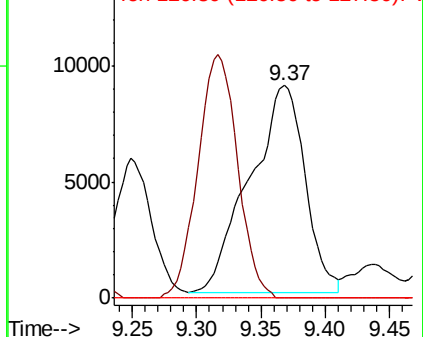


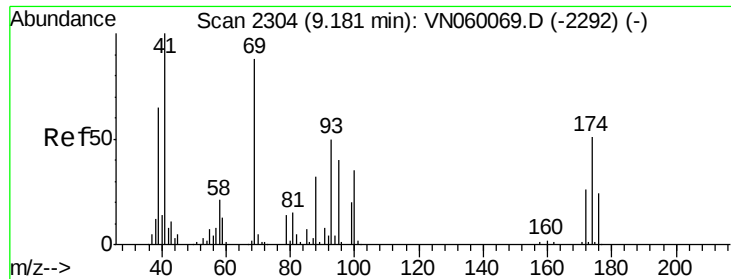
#47
Bromodichloromethane
Concen: 8.361 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 83 Resp: 26498
Ion Ratio Lower Upper
83 100
85 0.0 50.6 75.8#
127 0.0 7.0 10.6#



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

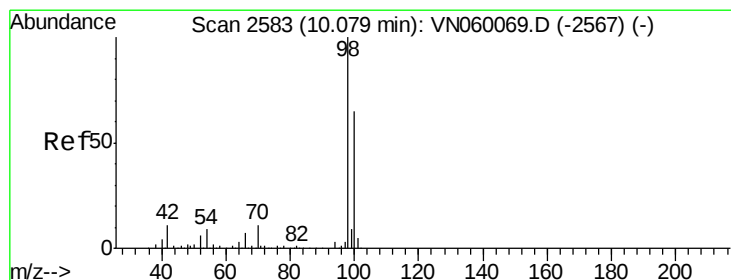
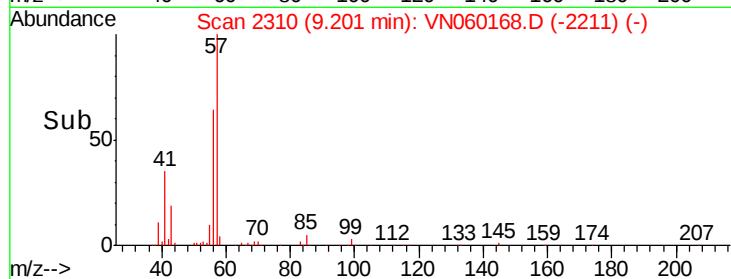
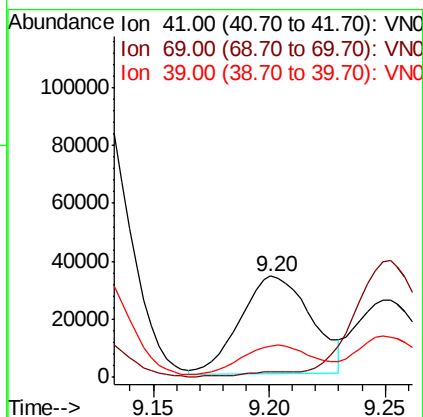
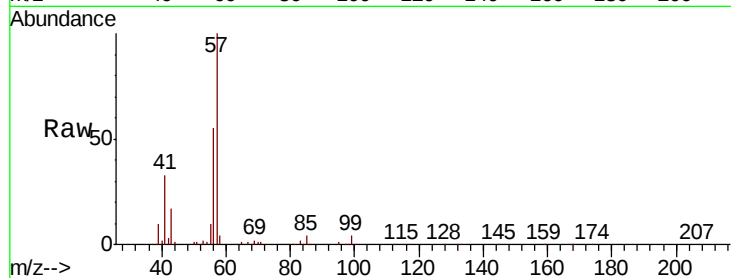




#48
Methyl methacrylate
Concen: 34.351 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.02 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

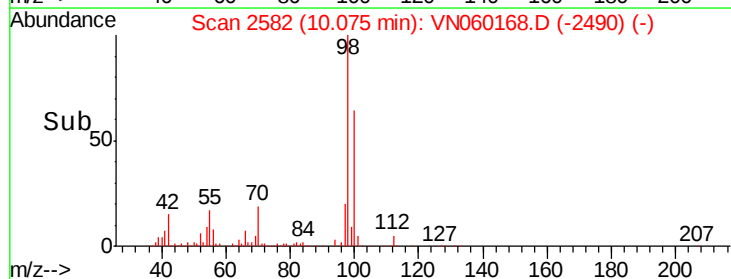
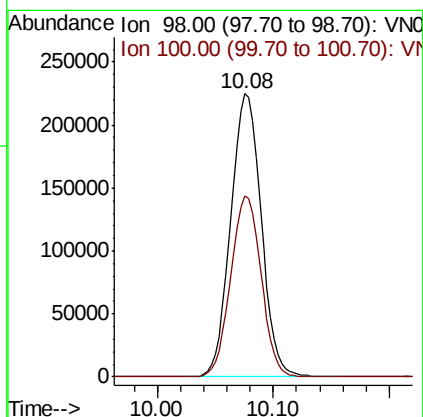
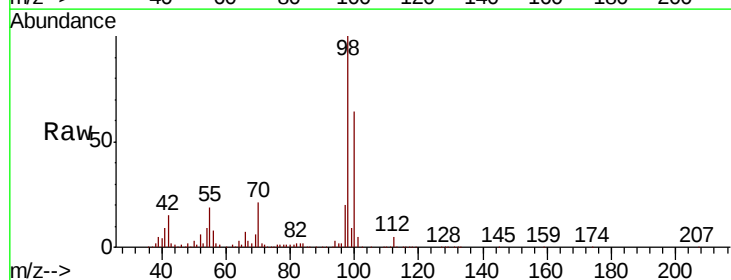
Instrument :
MSVOA_N
ClientSampled :

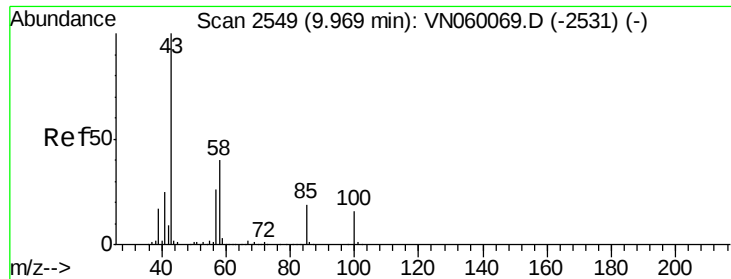
Tot Ion: 41 Resp: 71520
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 28.9 54.1 81.1#



#50
Toluene-d8
Concen: 52.148 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 98 Resp: 409357
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 54.570 ug/l

RT: 10.01 min Scan# 2561

Delta R.T. 0.04 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

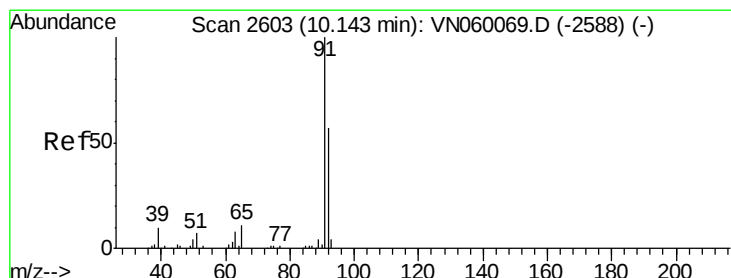
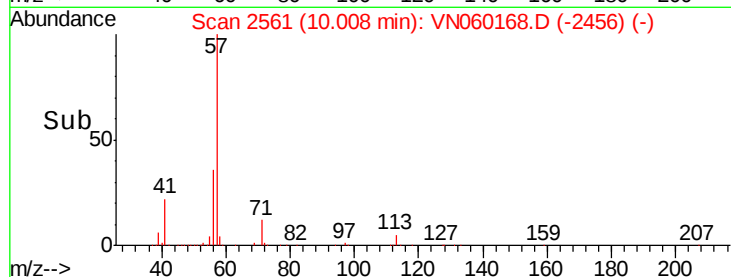
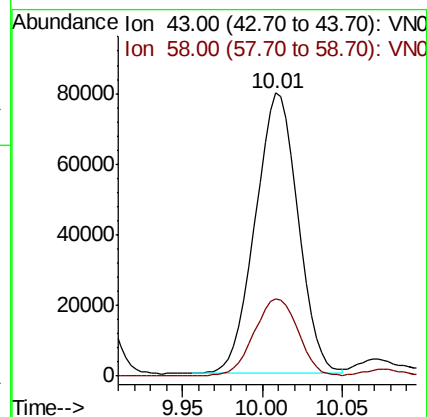
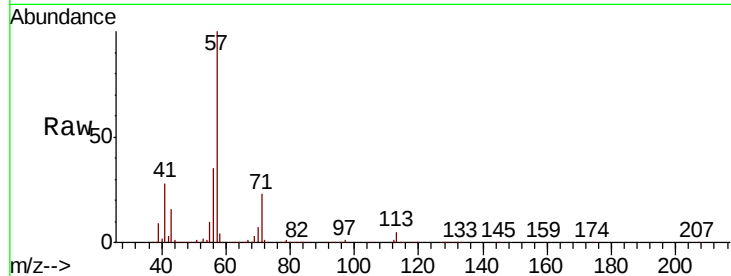
ClientSampleId :

Tot Ion: 43 Resp: 146575

Ion Ratio Lower Upper

43 100

58 28.4 31.8 47.8#



#52

Toluene

Concen: 457.729 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060168.D

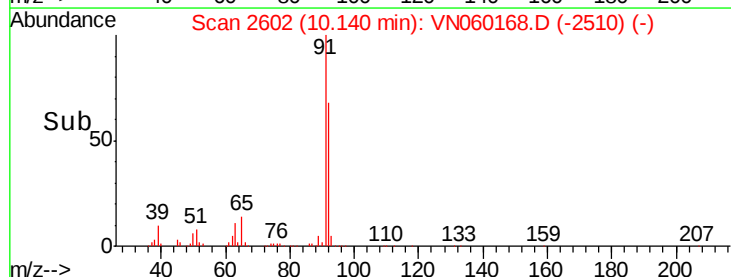
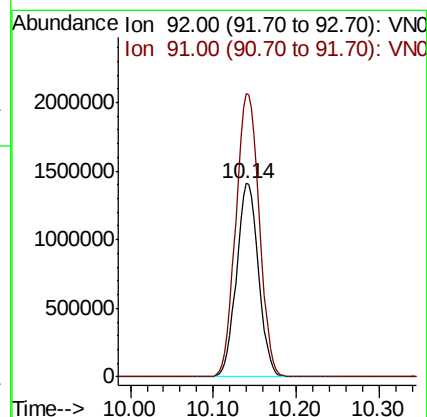
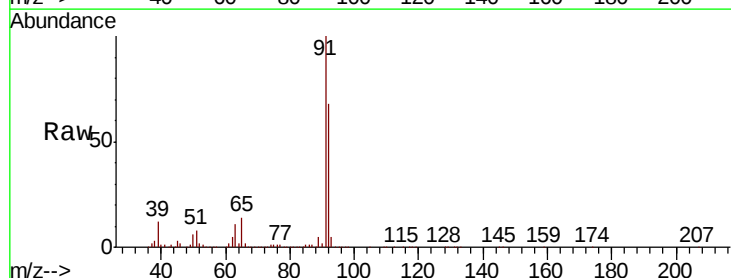
Acq: 20 Feb 2020 13:16

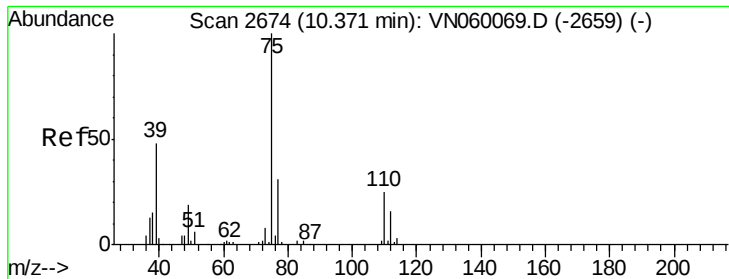
Tgt Ion: 92 Resp: 2615334

Ion Ratio Lower Upper

92 100

91 155.6 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 8.734 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.23 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

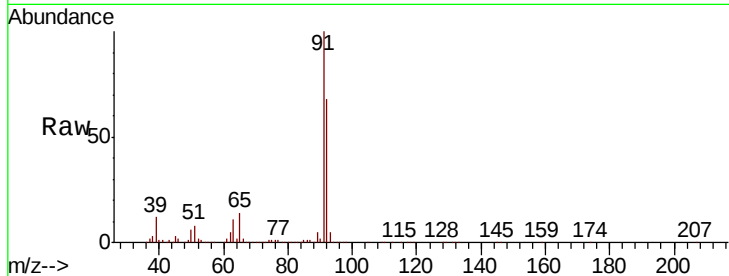
ClientSampleId :

Tot Ion: 75 Resp: 31245

Ion Ratio Lower Upper

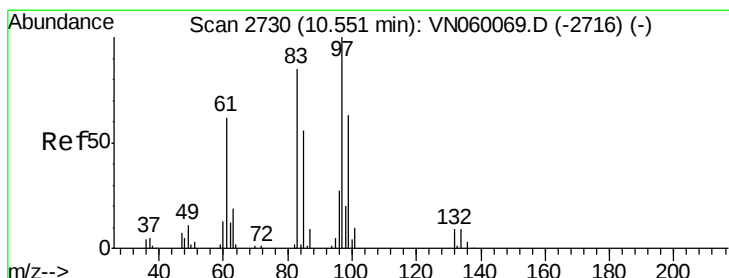
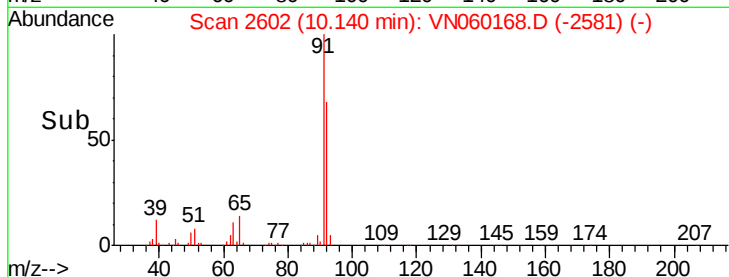
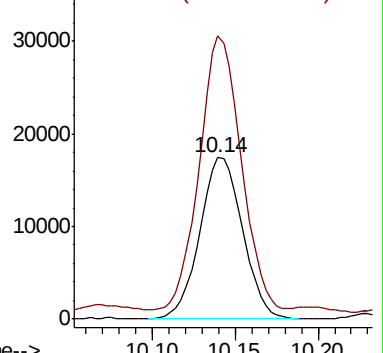
75 100

77 169.1 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-2659) (-)

Ion 76.90 (76.60 to 77.60): VN060069.D (-2659) (-)



#55

1,1,2-Trichloroethane

Concen: 31.402 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. -0.03 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Tgt Ion: 97 Resp: 69998

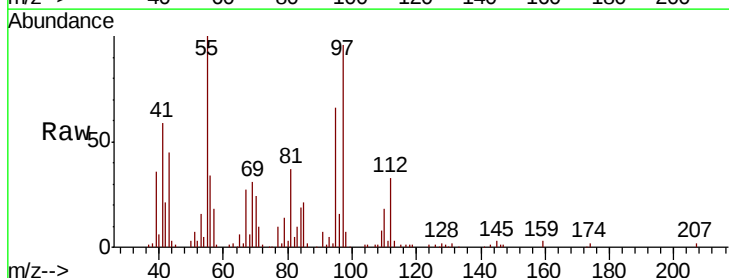
Ion Ratio Lower Upper

97 100

83 3.3 67.9 101.9#

85 21.3 44.6 67.0#

99 0.5 50.1 75.1#

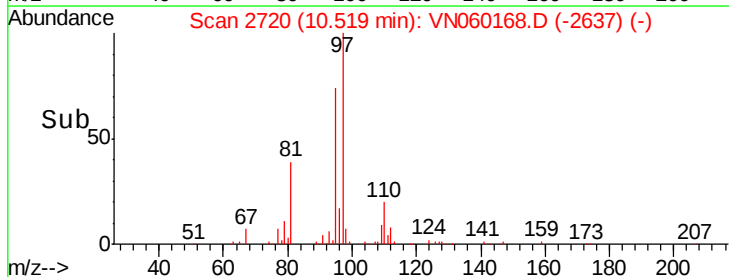
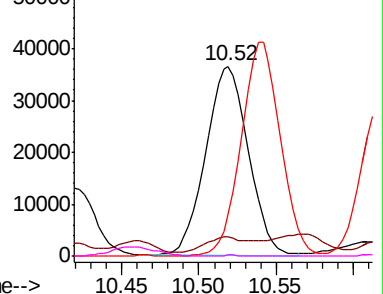


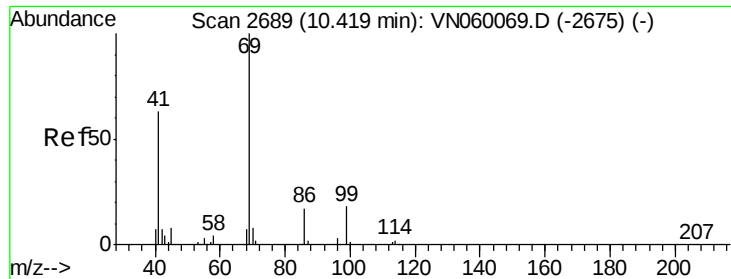
Abundance Ion 96.90 (96.60 to 97.60): VN060069.D (-2716) (-)

Ion 82.90 (82.60 to 83.60): VN060069.D (-2716) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-2716) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-2716) (-)





#56

Ethyl methacrylate

Concen: 2.626 ug/l

RT: 10.46 min Scan# 2702

Delta R.T. 0.04 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampled :

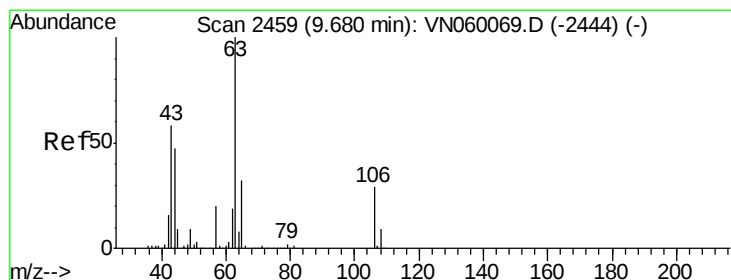
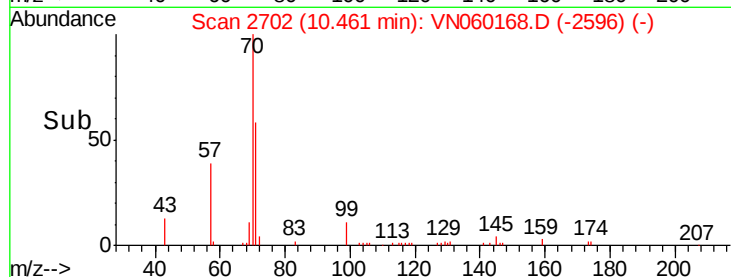
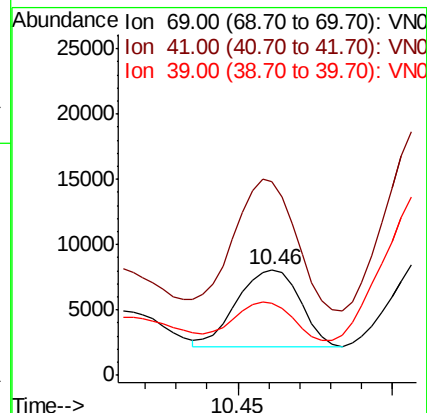
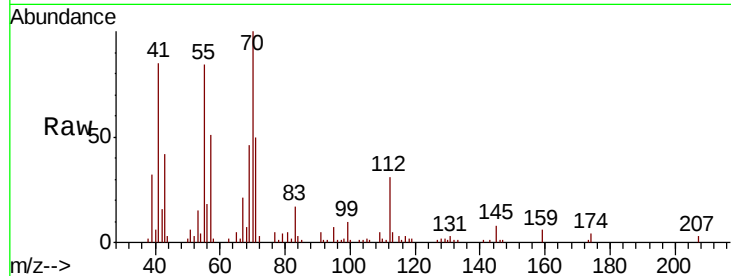
Tot Ion: 69 Resp: 8281

Ion Ratio Lower Upper

69 100

41 168.0 51.1 76.7#

39 0.0 33.8 50.8#



#58

2-Chloroethyl Vinyl ether

Concen: 3.207 ug/l

RT: 9.65 min Scan# 2449

Delta R.T. -0.03 min

Lab File: VN060168.D

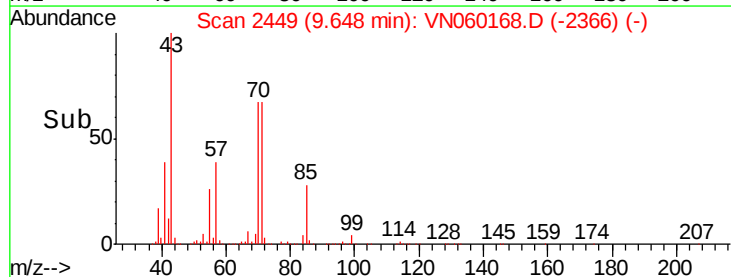
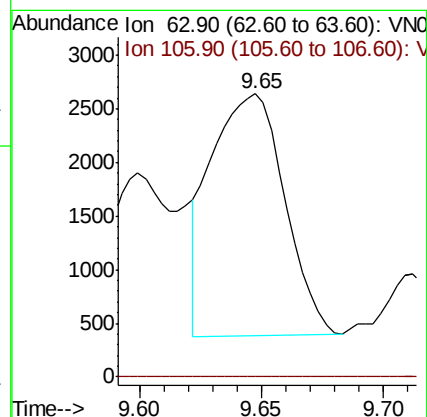
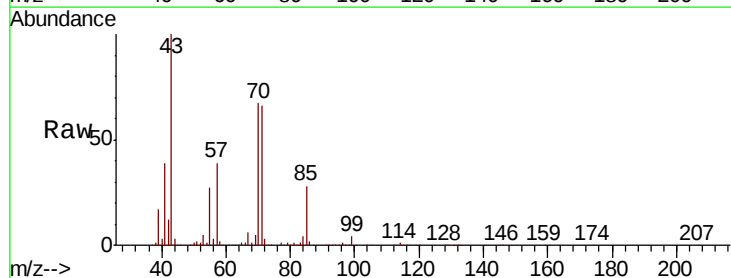
Acq: 20 Feb 2020 13:16

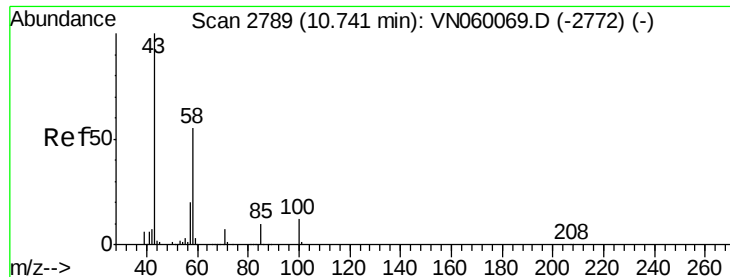
Tgt Ion: 63 Resp: 4711

Ion Ratio Lower Upper

63 100

106 0.0 22.9 34.3#

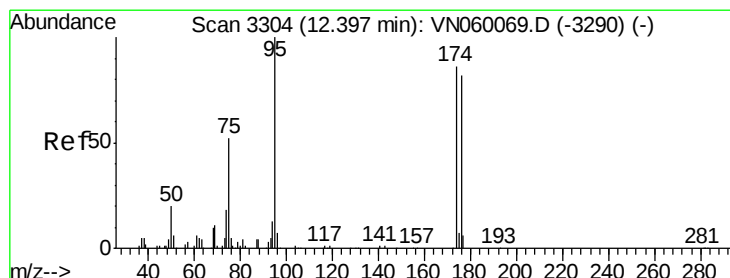
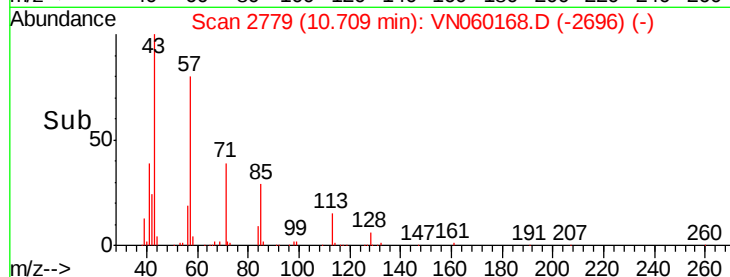
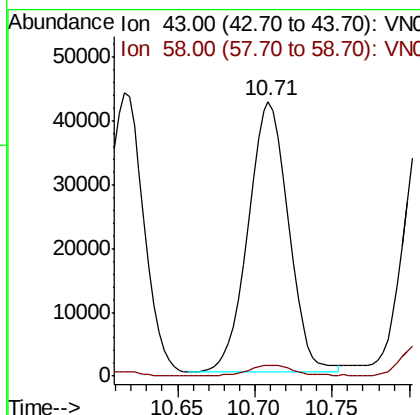
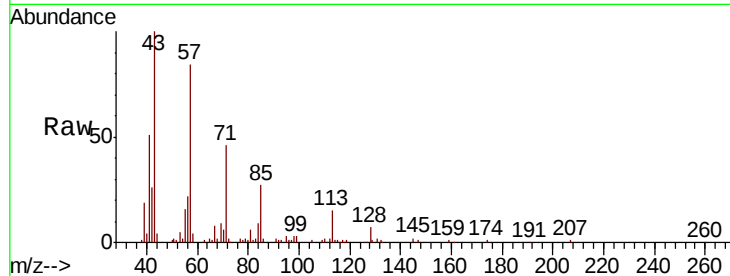




#59
2-Hexanone
Concen: 37.161 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.03 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

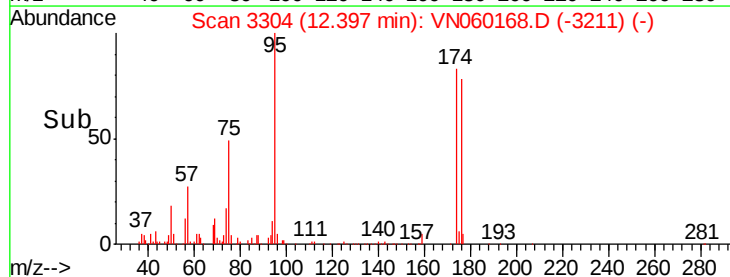
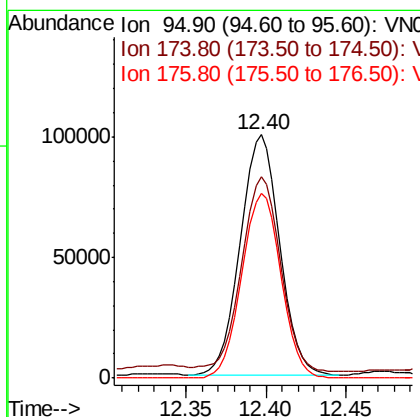
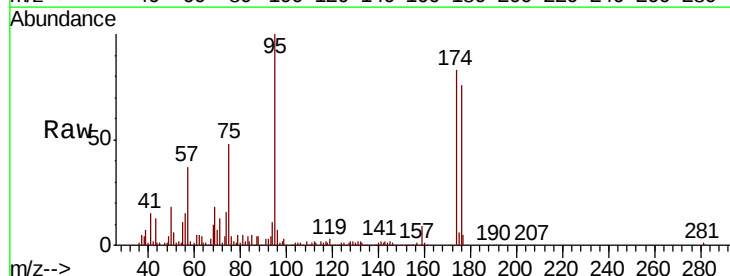
Instrument :
MSVOA_N
ClientSampled :

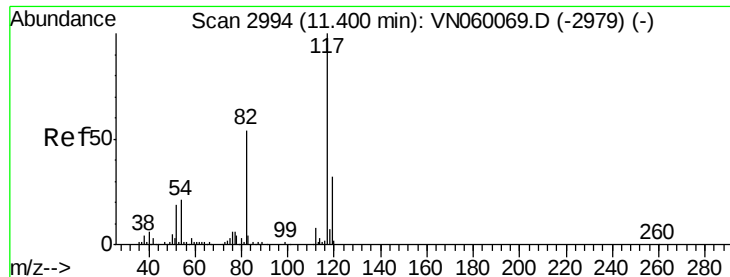
Tot Ion: 43 Resp: 77104
Ion Ratio Lower Upper
43 100
58 4.7 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 57.640 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 95 Resp: 166262
Ion Ratio Lower Upper
95 100
174 81.5 0.0 169.8
176 77.2 0.0 164.8

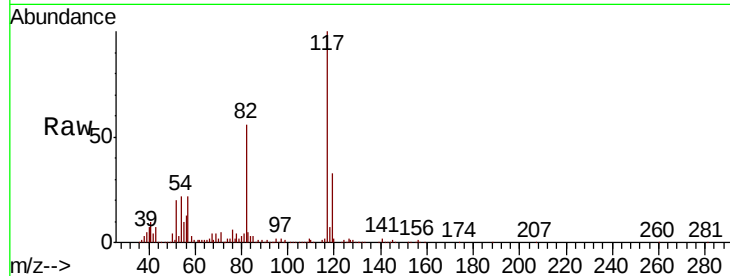




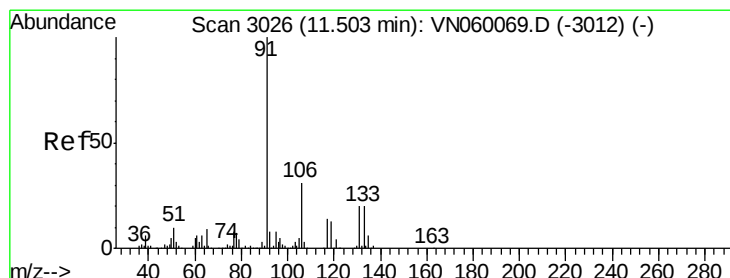
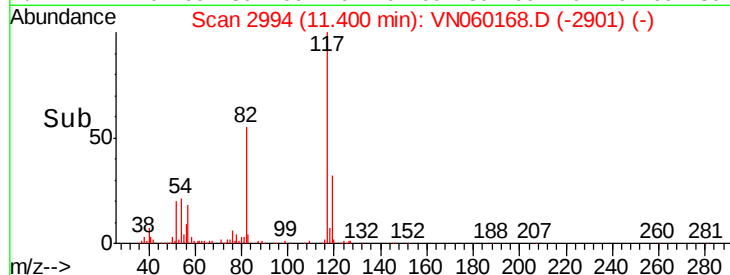
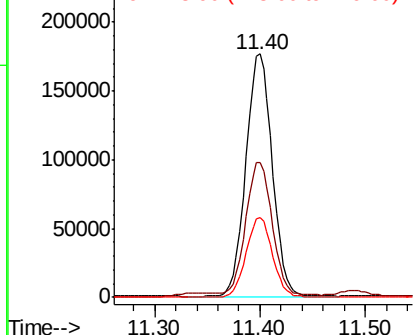
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 307215
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 32.7 25.8 38.6

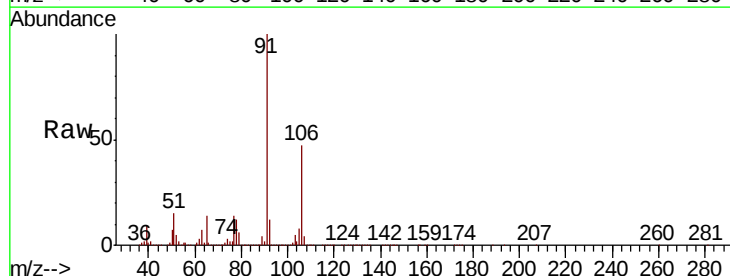


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

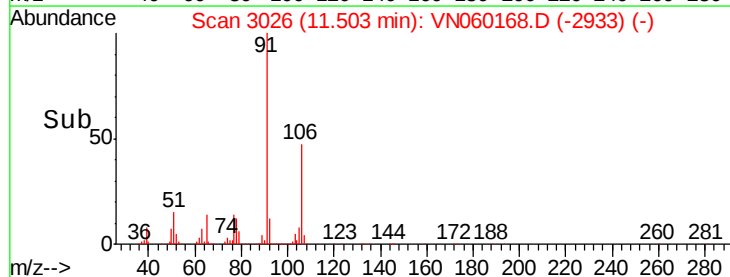
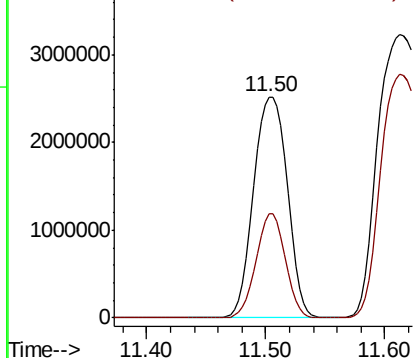


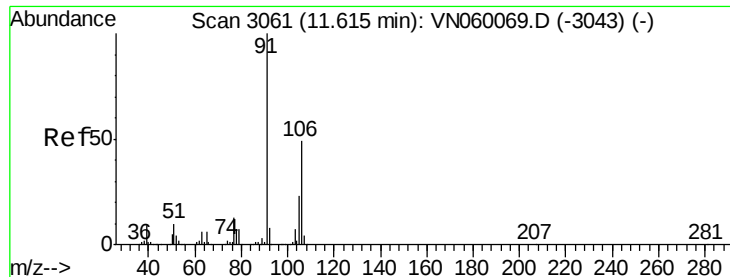
#67
Ethyl Benzene
Concen: 439.815 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 91 Resp: 4964921
Ion Ratio Lower Upper
91 100
106 47.3 25.1 37.7#



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

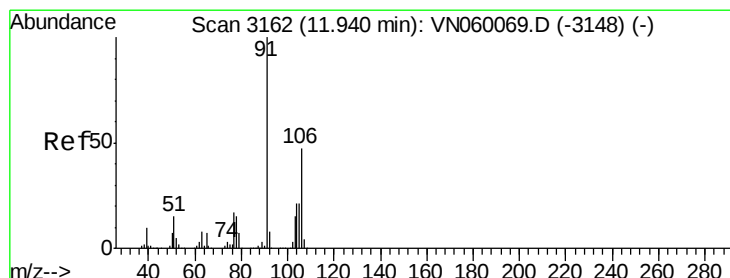
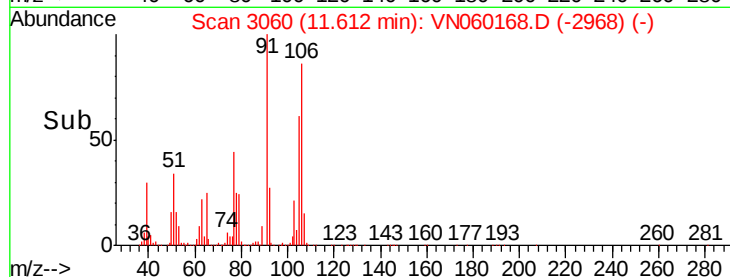
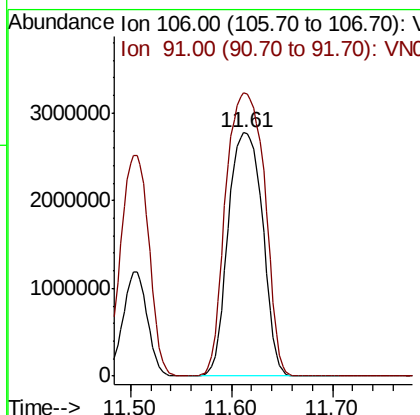
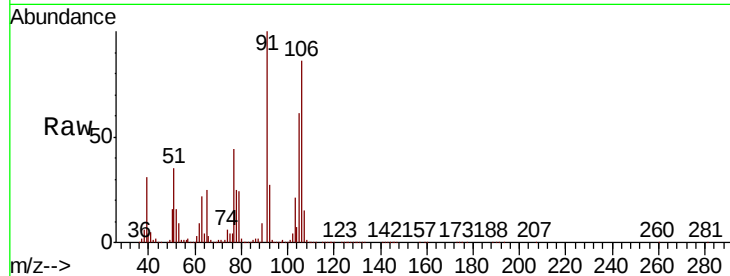




#68
m/p-Xylenes
Concen: 1555.033 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

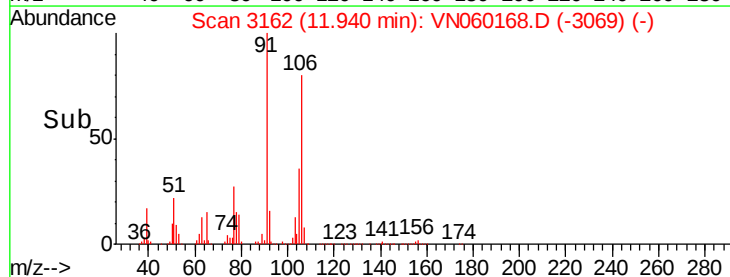
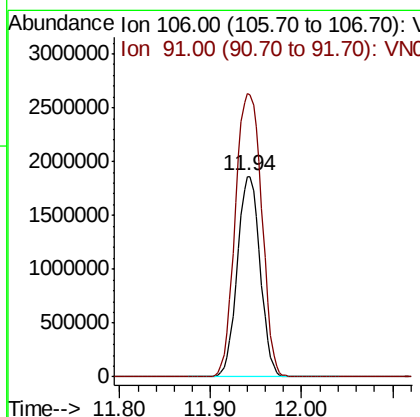
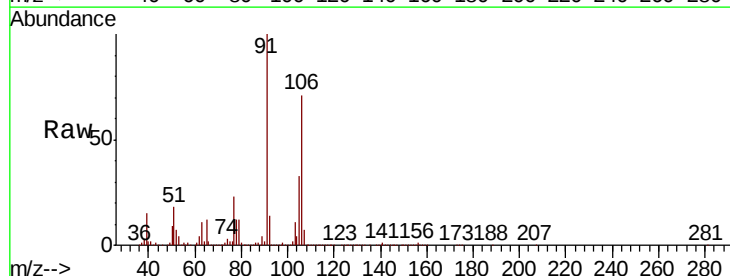
Instrument :
MSVOA_N
ClientSampled :

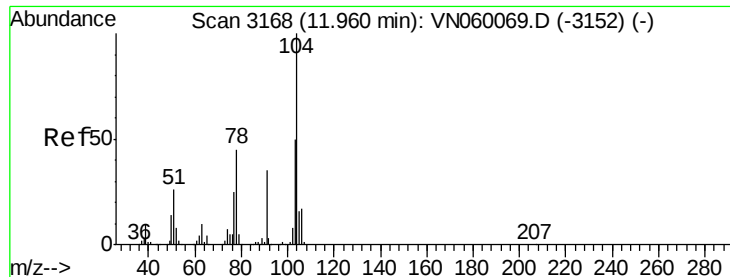
Tot Ion:106 Resp: 6588361
Ion Ratio Lower Upper
106 100
91 131.3 162.7 244.1#



#69
o-Xylene
Concen: 793.280 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion:106 Resp: 3236077
Ion Ratio Lower Upper
106 100
91 163.7 107.2 321.6





#70

Stvrene

Concen: 26.032 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.02 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampled :

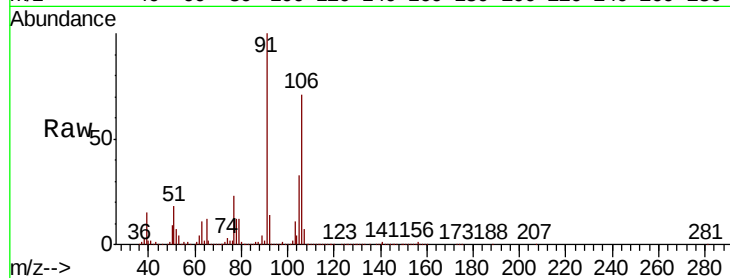
Tot Ion:104 Resp: 171243

Ion Ratio Lower Upper

104 100

78 305.3 40.2 60.2#

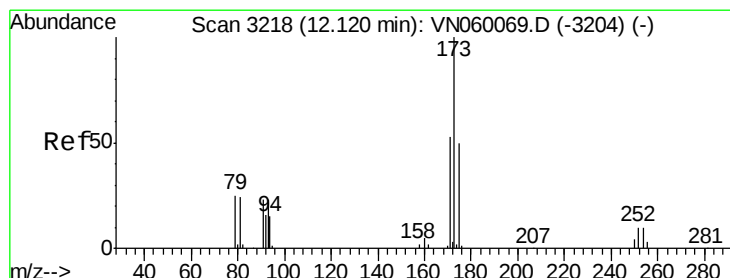
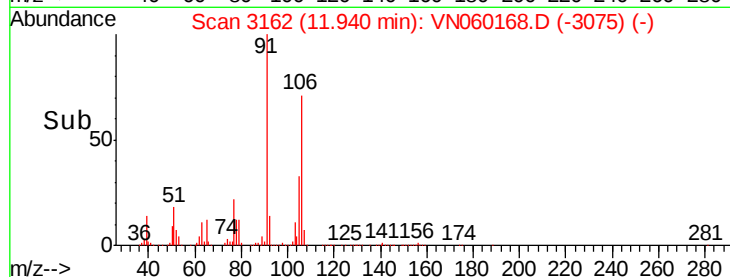
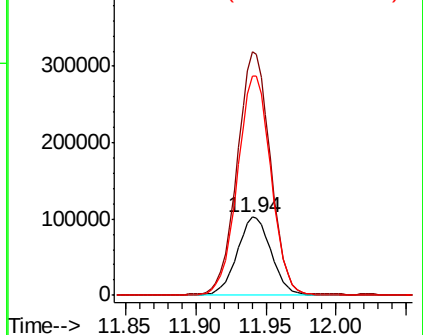
103 278.6 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.438 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.01 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

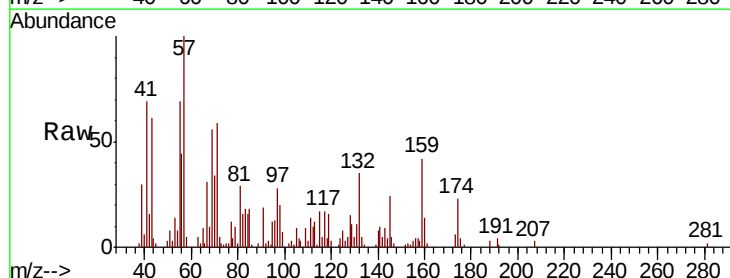
Tgt Ion:173 Resp: 835

Ion Ratio Lower Upper

173 100

175 33.5 24.9 74.6

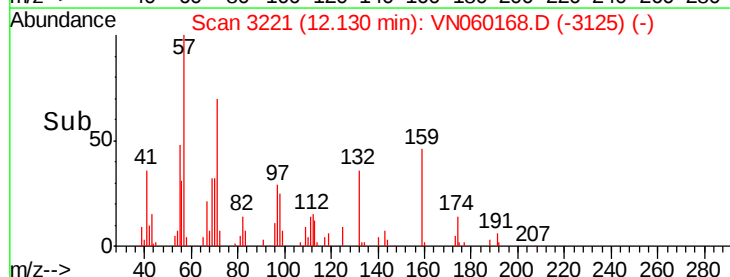
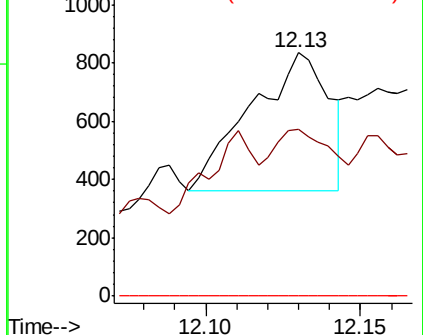
254 0.0 0.0 0.0

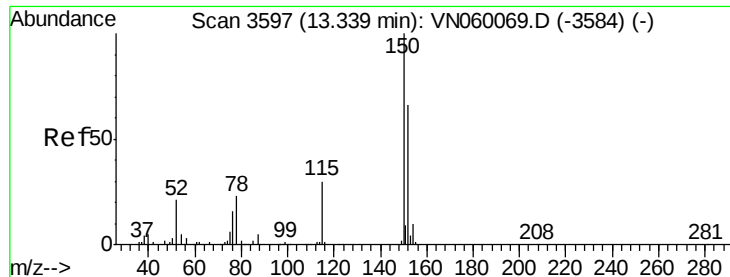


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



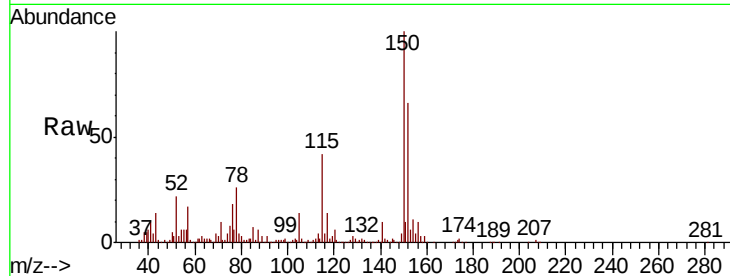


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	28.9	86.8
150	149.2	0.0	342.4

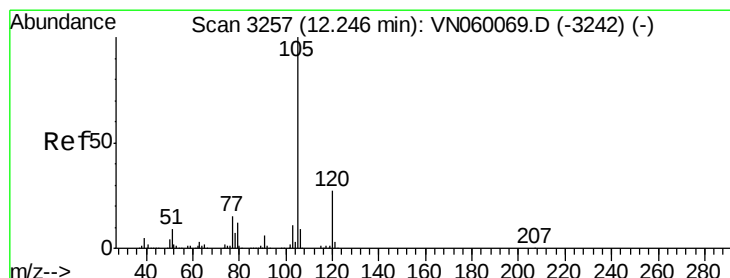
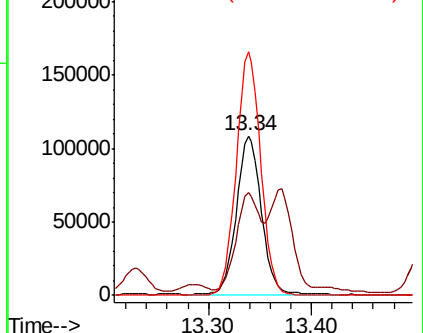
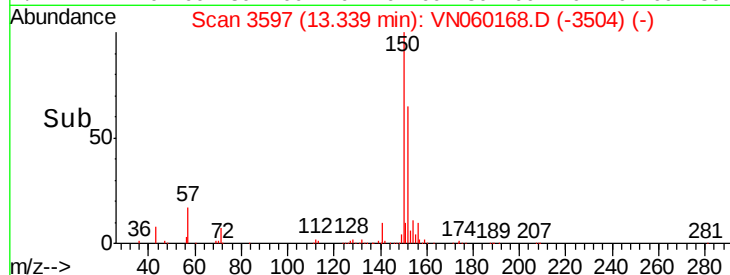


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

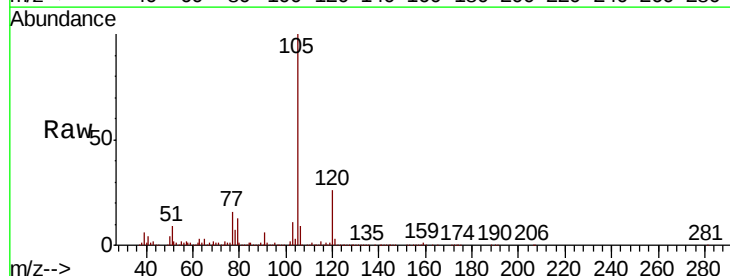
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 51.379 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

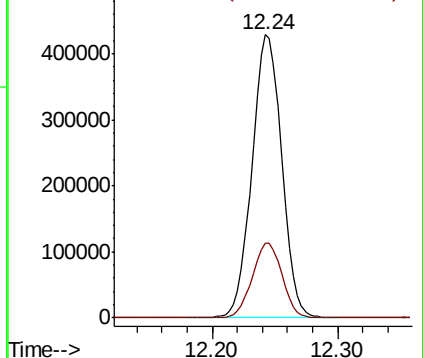
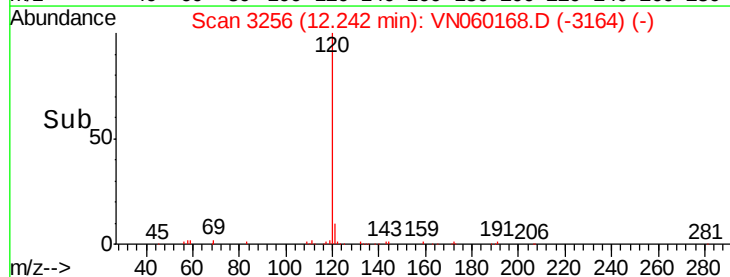
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

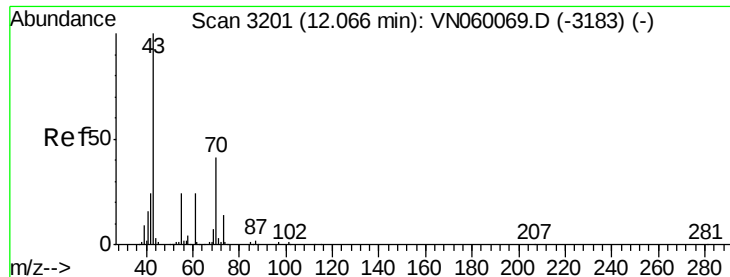


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 8.115 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 39910

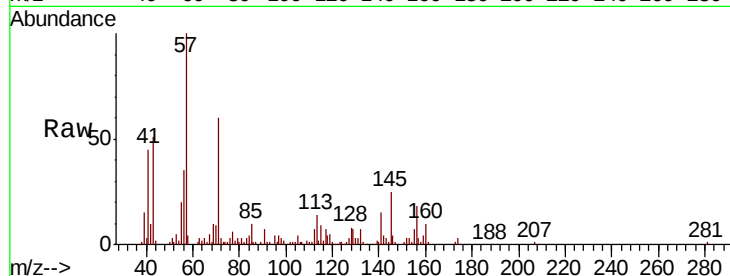
Ion Ratio Lower Upper

43 100

70 15.2 33.4 50.0#

55 13.4 18.8 28.2#

61 0.0 19.2 28.8#

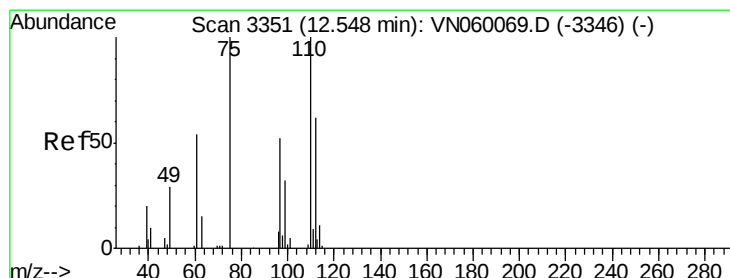
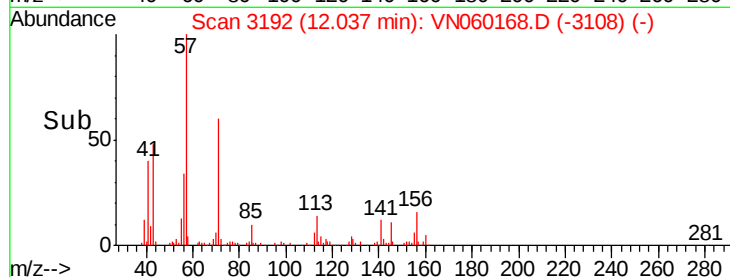
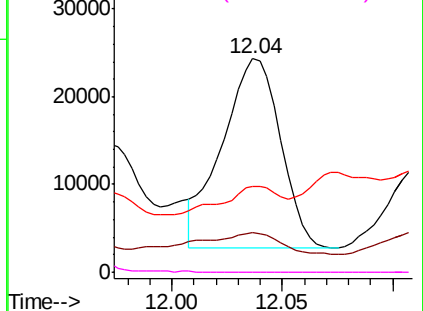


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 0.748 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.03 min

Lab File: VN060168.D

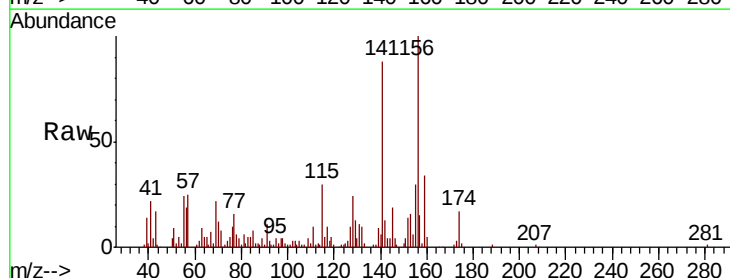
Acq: 20 Feb 2020 13:16

Tgt Ion: 75 Resp: 2613

Ion Ratio Lower Upper

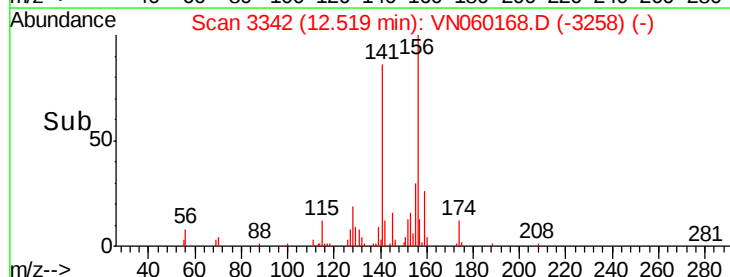
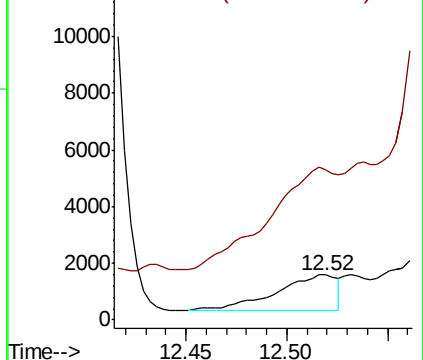
75 100

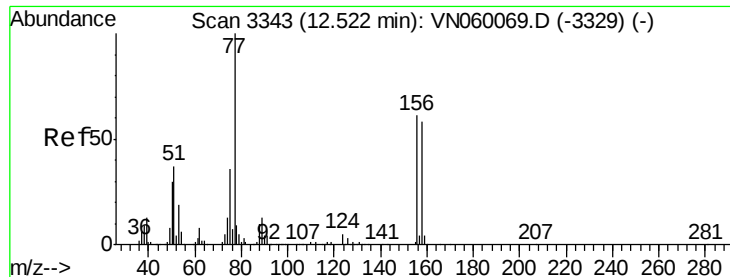
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

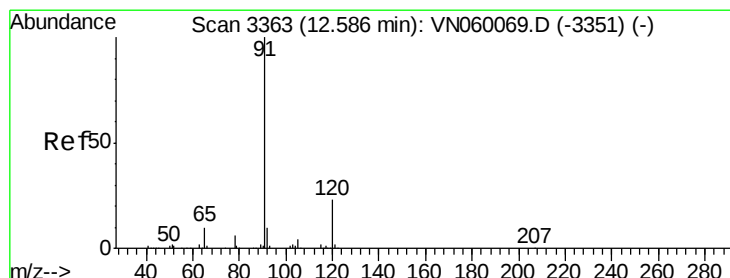
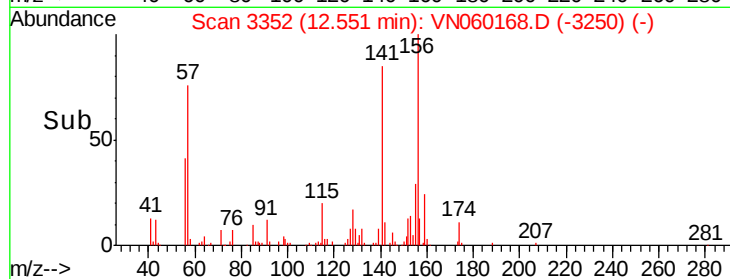
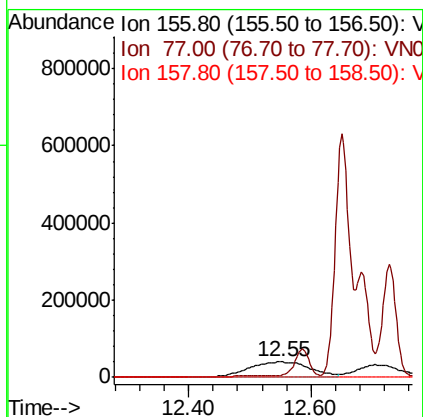
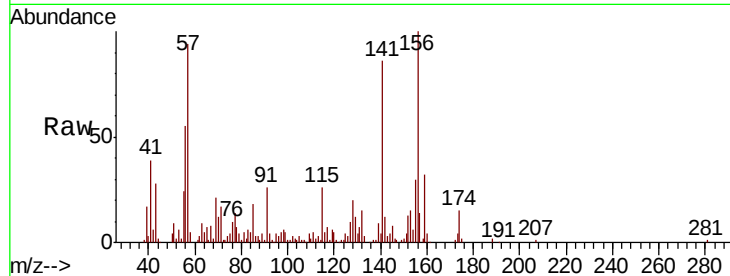




#77
Bromobenzene
Concen: 82.664 ug/l
RT: 12.55 min Scan# 3352
Delta R.T. 0.03 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

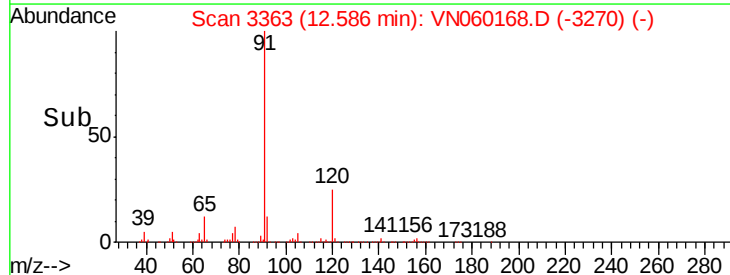
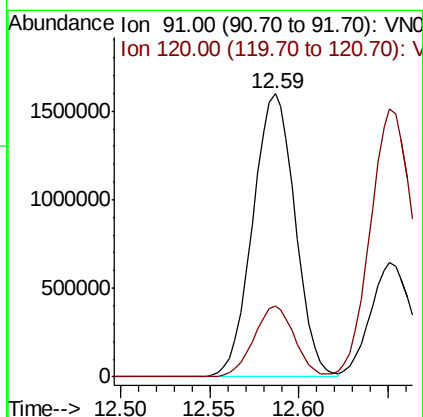
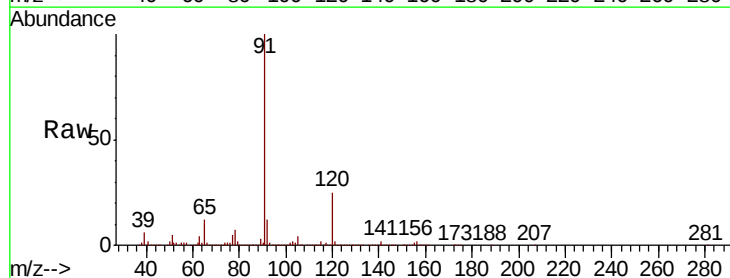
Instrument :
MSVOA_N
ClientSampled :

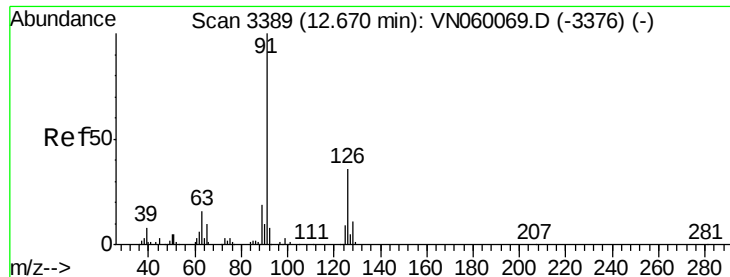
Tot Ion:156 Resp: 279808
Ion Ratio Lower Upper
156 100
77 0.0 98.7 296.1#
158 0.5 48.1 144.4#



#78
n-propylbenzene
Concen: 169.662 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 91 Resp: 2636529
Ion Ratio Lower Upper
91 100
120 24.1 11.5 34.5

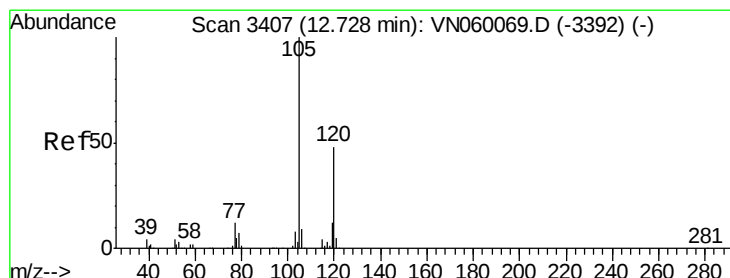
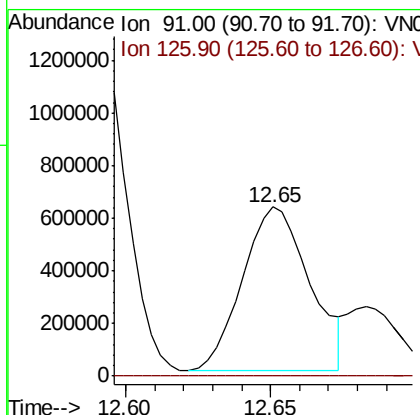
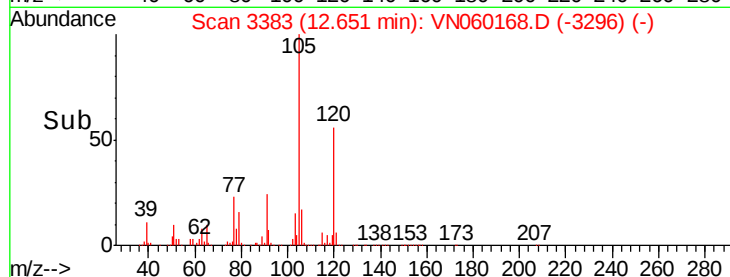
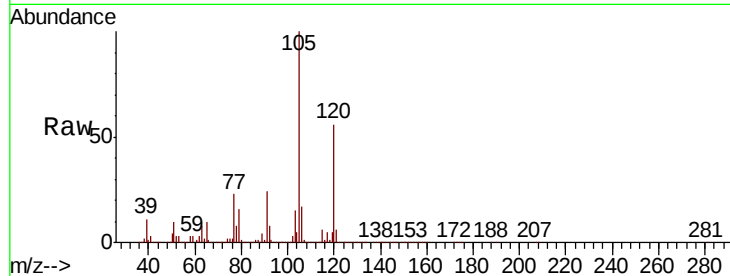




#79
 2-Chlorotoluene
 Concen: 109.965 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.02 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

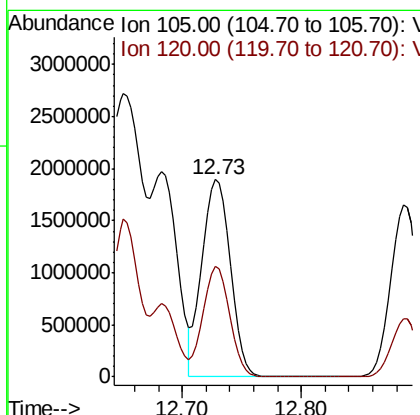
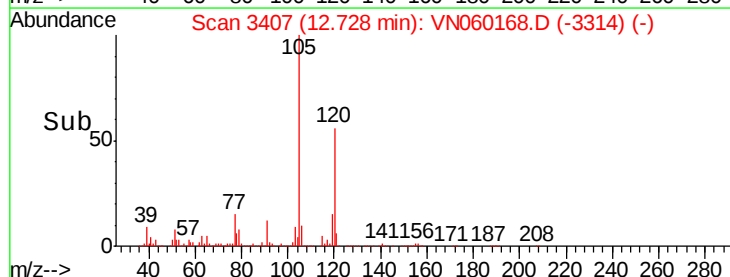
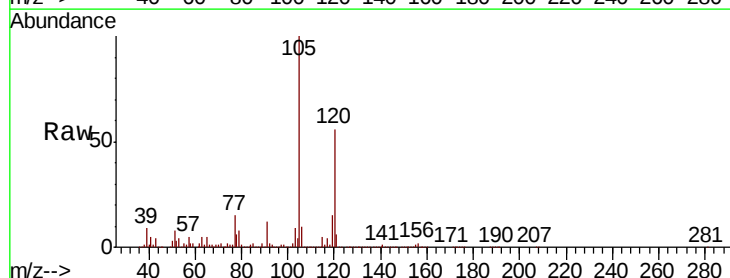
Instrument :
 MSVOA_N
 ClientSampleId :

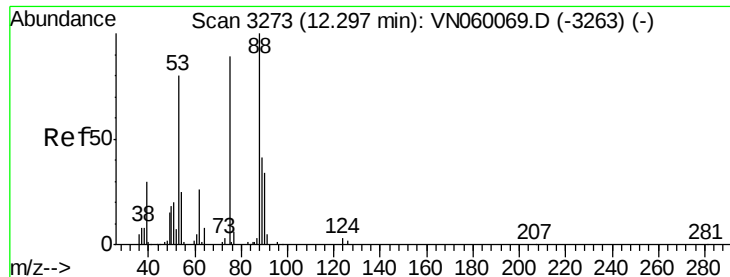
Tot Ion: 91 Resp: 1004406
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.4 52.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 278.213 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Tgt Ion: 105 Resp: 3155110
 Ion Ratio Lower Upper
 105 100
 120 52.5 24.3 72.9

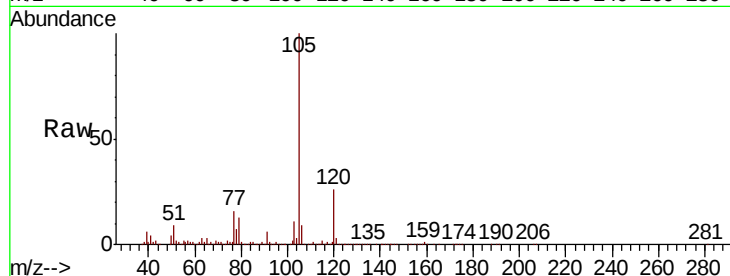




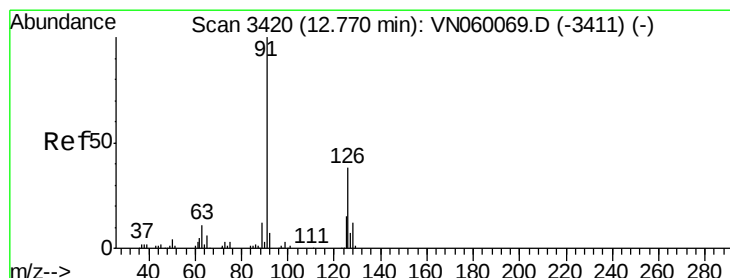
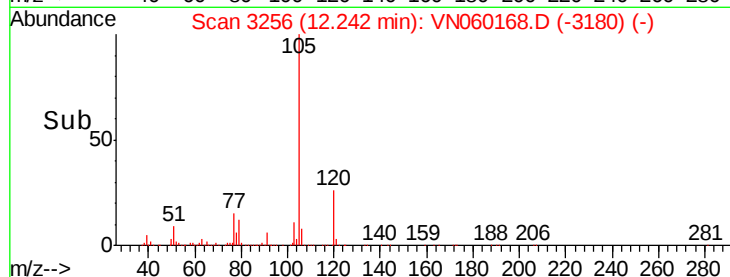
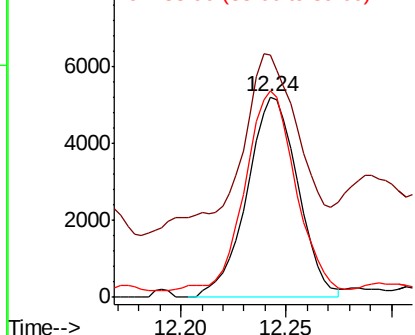
#81
trans-1,4-Dichloro-2-butene
Concen: 6.126 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.05 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 8743
Ion Ratio Lower Upper
75 100
53 104.5 73.9 110.9
89 98.4 37.0 55.4#

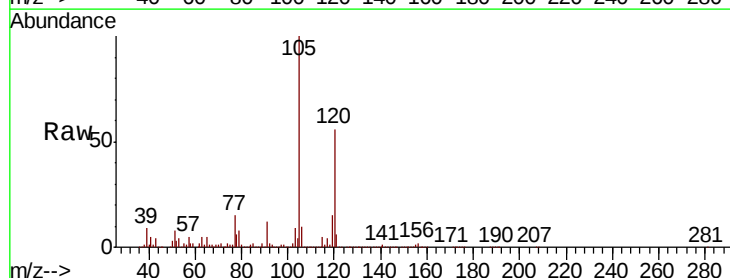


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

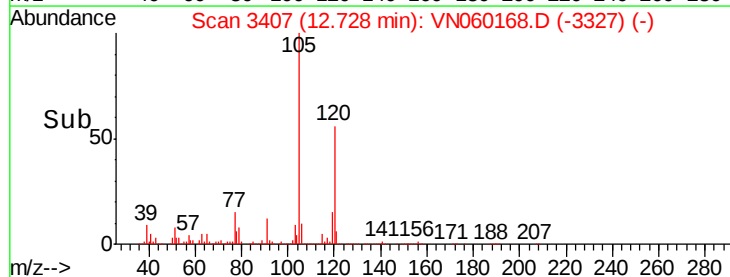
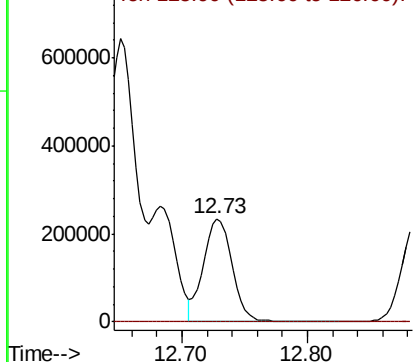


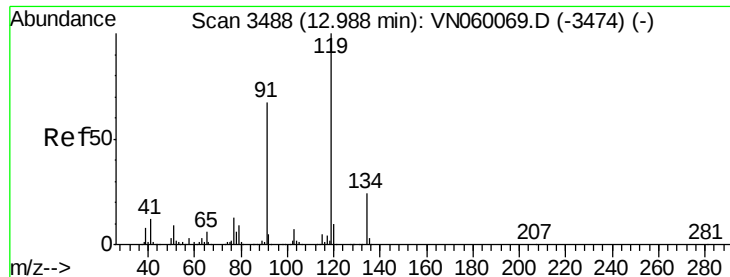
#82
4-Chlorotoluene
Concen: 39.378 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.04 min
Lab File: VN060168.D
Acq: 20 Feb 2020 13:16

Tgt Ion: 91 Resp: 369008
Ion Ratio Lower Upper
91 100
126 0.4 17.1 51.3#



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 145.542 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.05 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

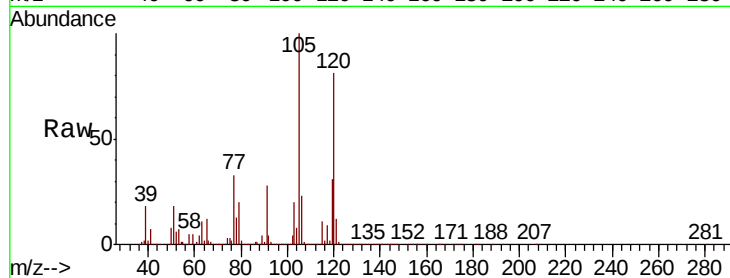
Tot Ion:119 Resp: 1460090

Ion Ratio Lower Upper

119 100

91 88.5 32.7 98.1

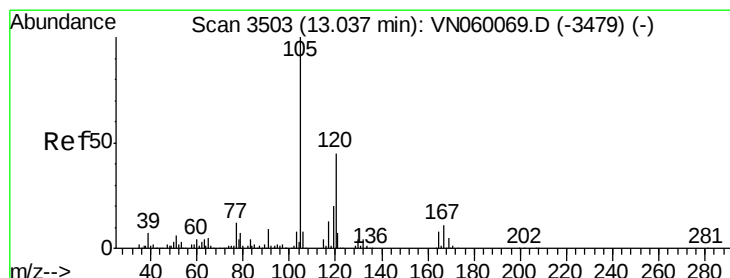
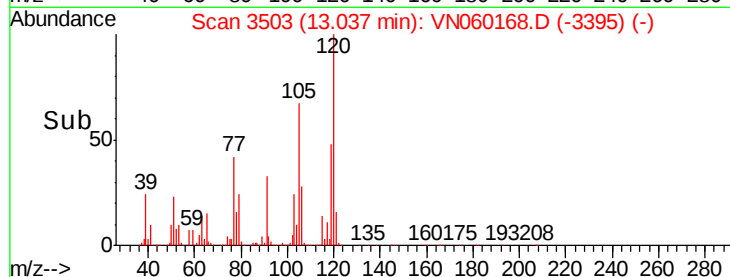
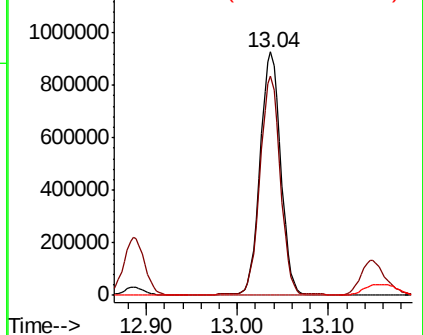
134 0.0 12.9 38.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 244.035 ug/l

RT: 12.89 min Scan# 3456

Delta R.T. -0.15 min

Lab File: VN060168.D

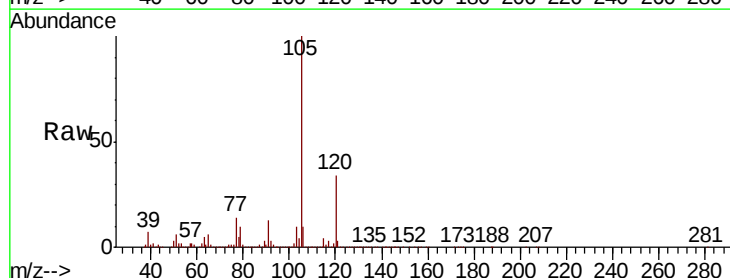
Acq: 20 Feb 2020 13:16

Tgt Ion:105 Resp: 2731882

Ion Ratio Lower Upper

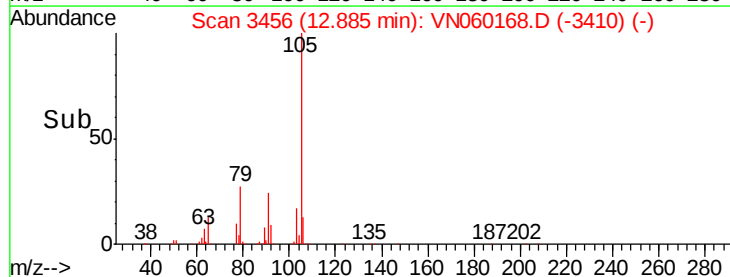
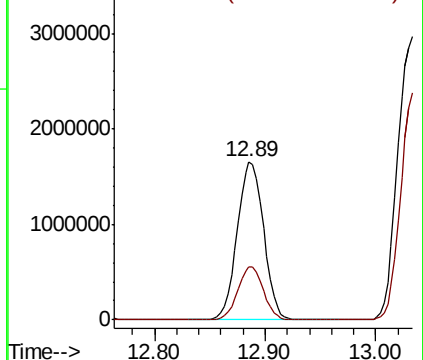
105 100

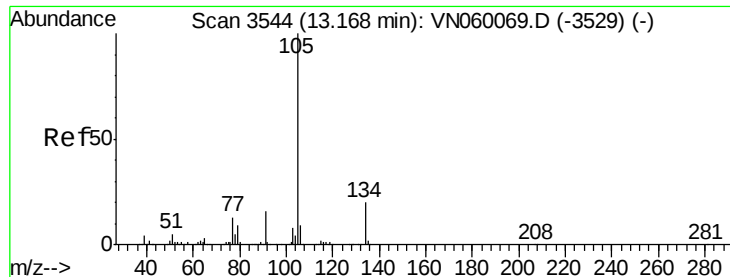
120 32.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.794 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

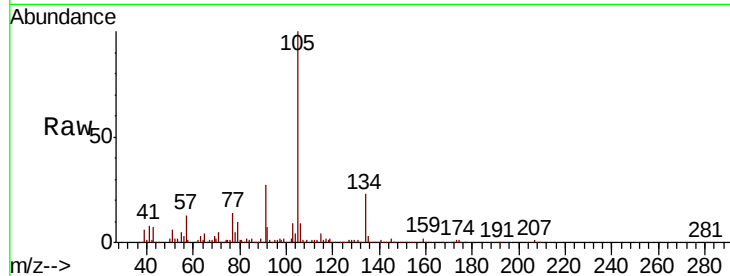
ClientSampled :

Tot Ion:105 Resp: 262989

Ion Ratio Lower Upper

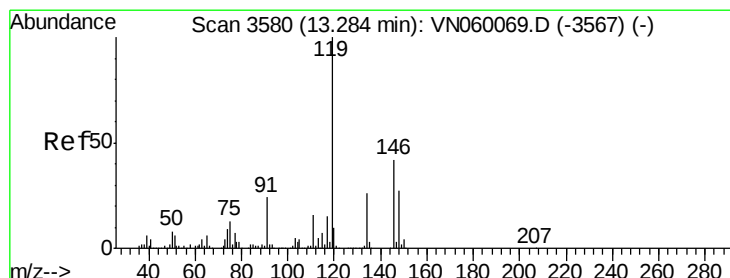
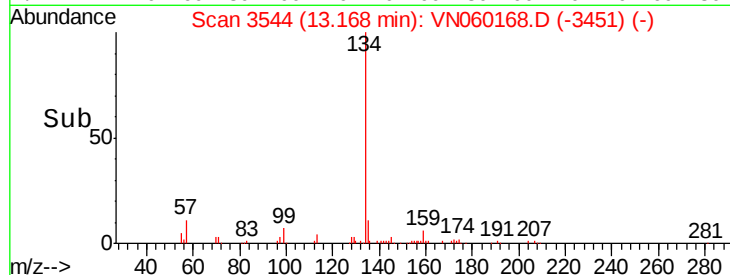
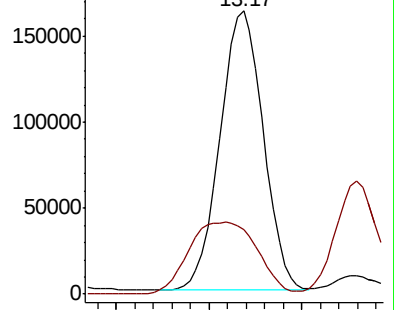
105 100

134 40.8 9.9 29.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 29.492 ug/l

RT: 13.23 min Scan# 3563

Delta R.T. -0.05 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

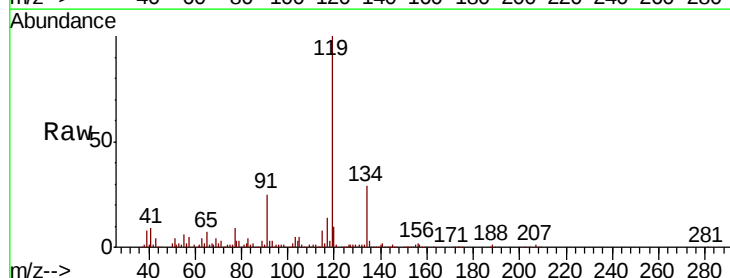
Tgt Ion:119 Resp: 355010

Ion Ratio Lower Upper

119 100

134 28.5 13.3 39.8

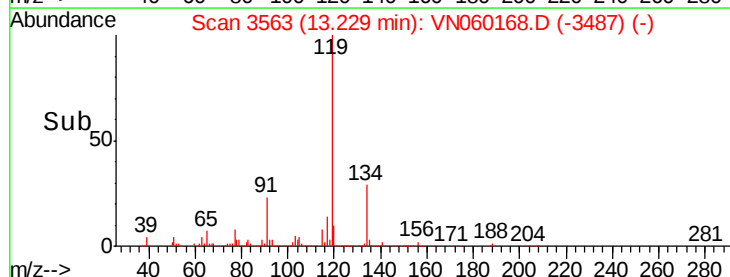
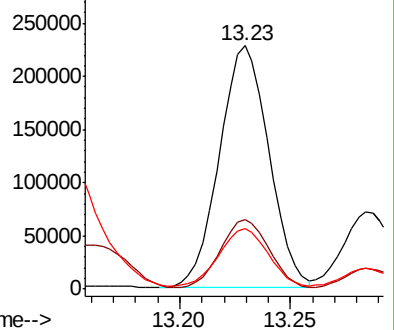
91 23.0 11.9 35.9

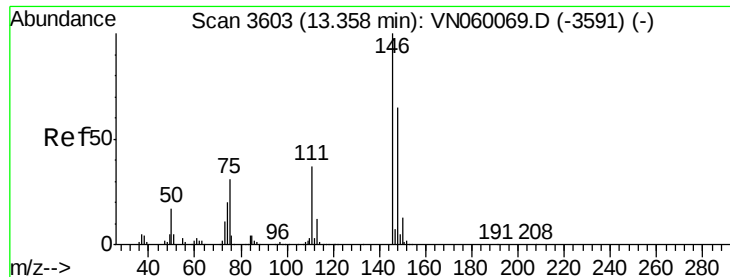


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

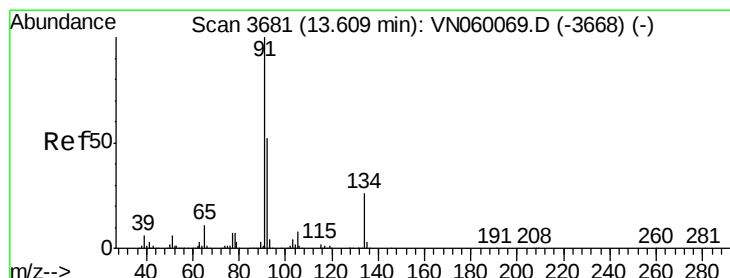
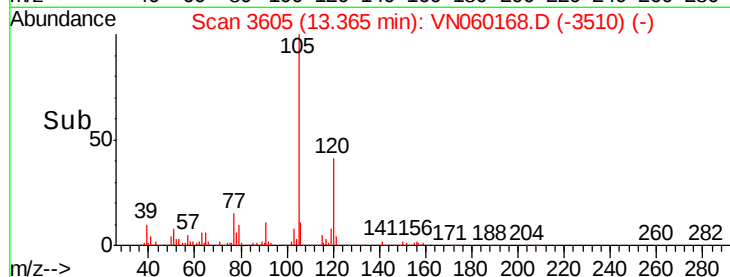
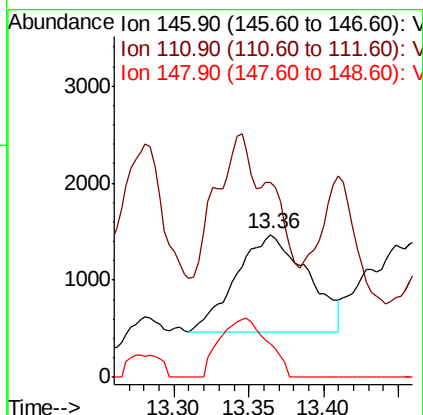
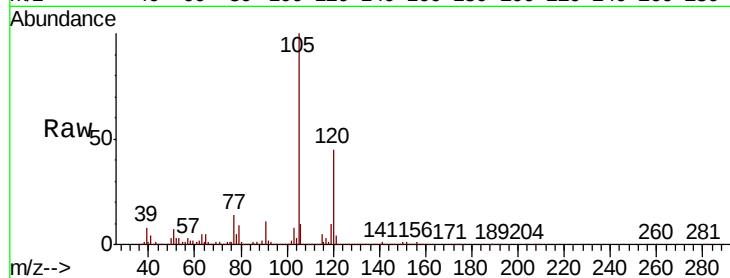




#88
 1,4-Dichlorobenzene
 Concen: 0.563 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.01 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

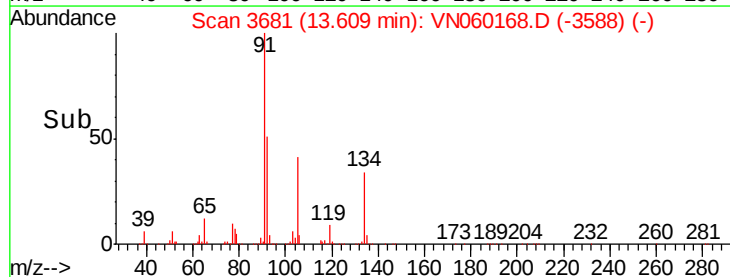
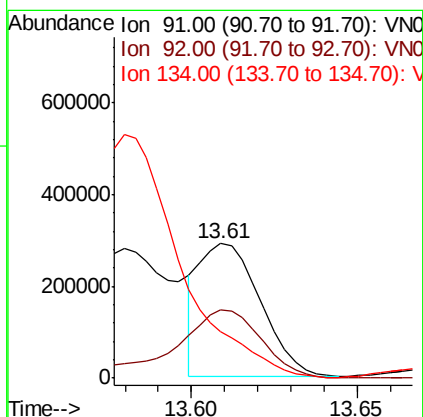
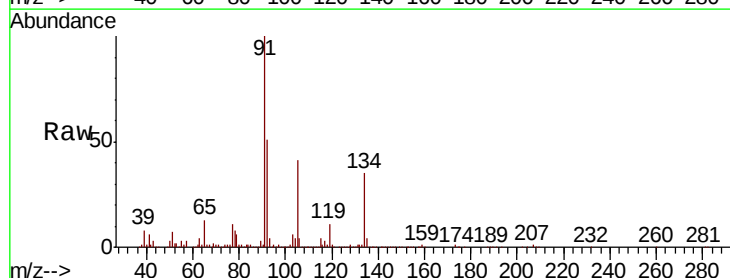
Instrument :
 MSVOA_N
 ClientSampled :

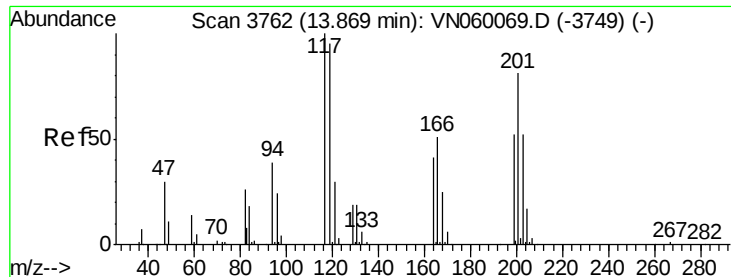
Tot Ion:146 Resp: 3373
 Ion Ratio Lower Upper
 146 100
 111 78.5 18.9 56.5#
 148 40.2 32.0 96.0



#89
 n-Butylbenzene
 Concen: 34.665 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. -0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Tgt Ion: 91 Resp: 367029
 Ion Ratio Lower Upper
 91 100
 92 74.9 26.1 78.2
 134 0.0 13.1 39.3#





#90

Hexachloroethane

Concen: 83.375 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.02 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

Instrument :

MSVOA_N

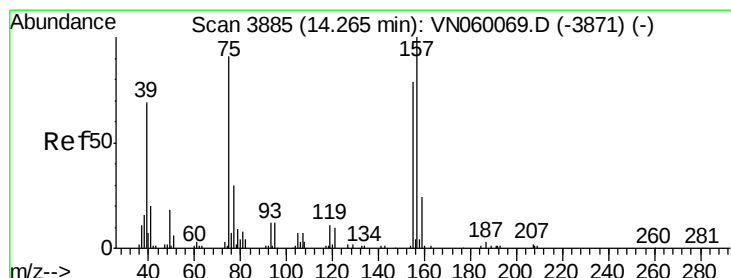
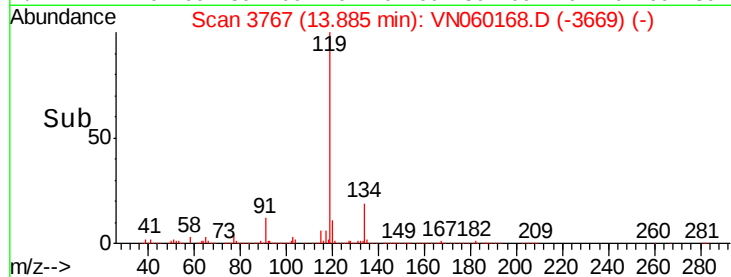
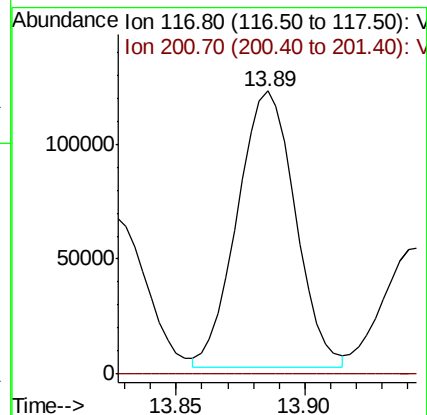
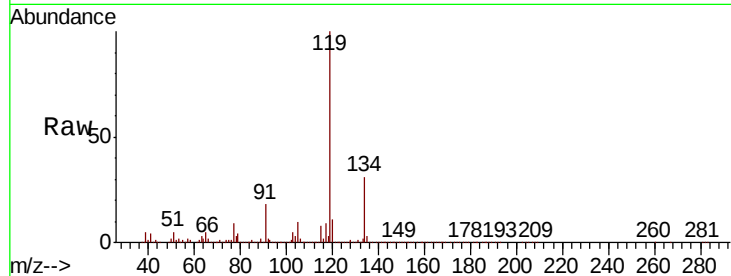
ClientSampled :

Tot Ion:117 Resp: 187498

Ion Ratio Lower Upper

117 100

201 0.0 41.7 125.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.699 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN060168.D

Acq: 20 Feb 2020 13:16

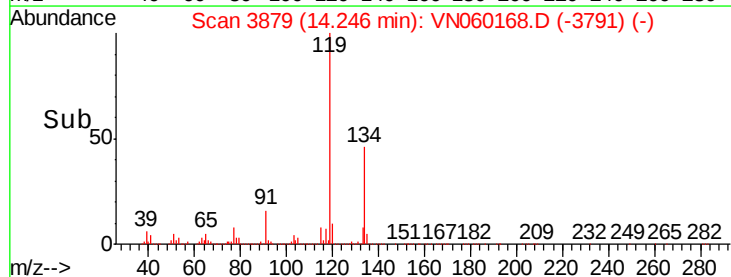
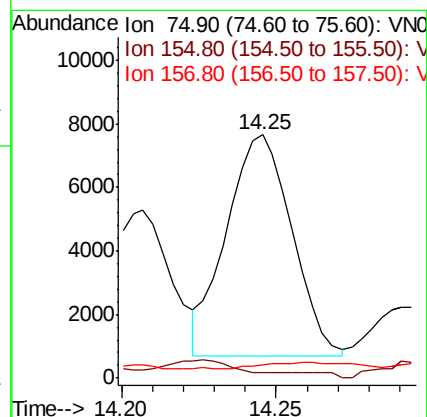
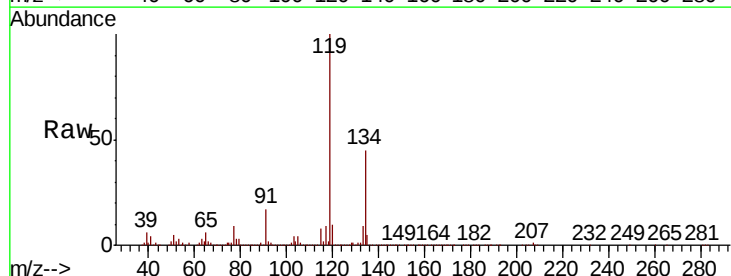
Tgt Ion: 75 Resp: 10259

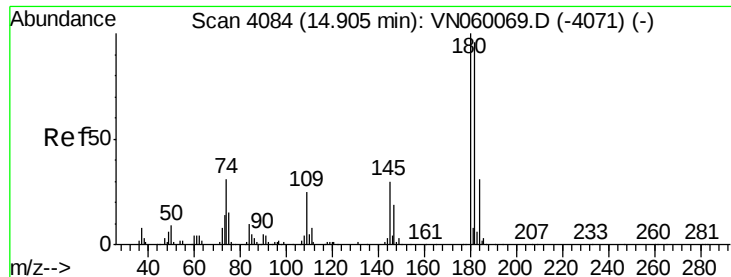
Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 4.1 54.9 164.5#

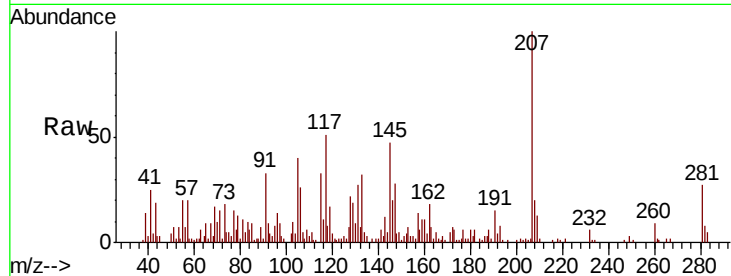




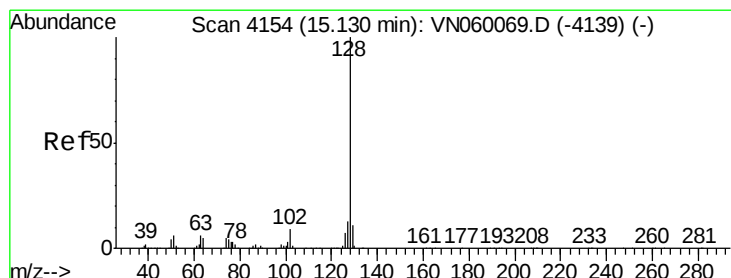
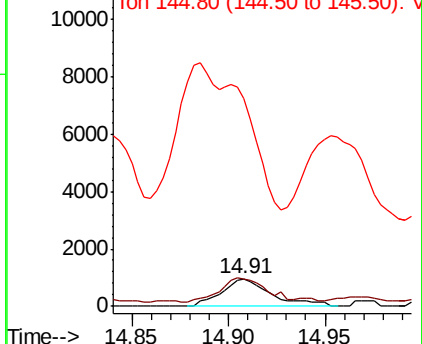
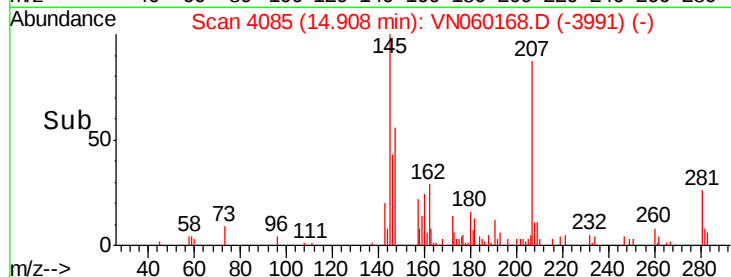
#93
 1,2,4-Trichlorobenzene
 Concen: 0.489 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1686
 Ion Ratio Lower Upper
 180 100
 182 79.7 47.9 143.8
 145 0.0 15.2 45.5#

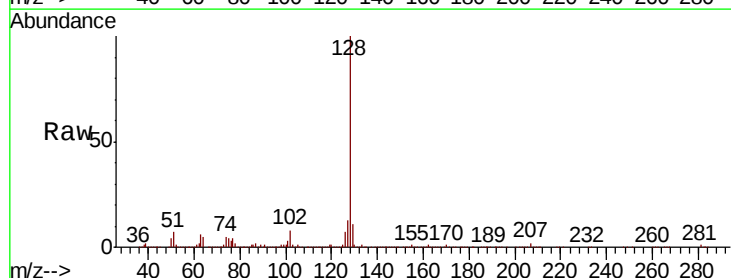


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

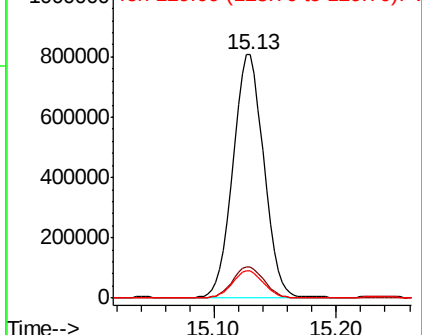
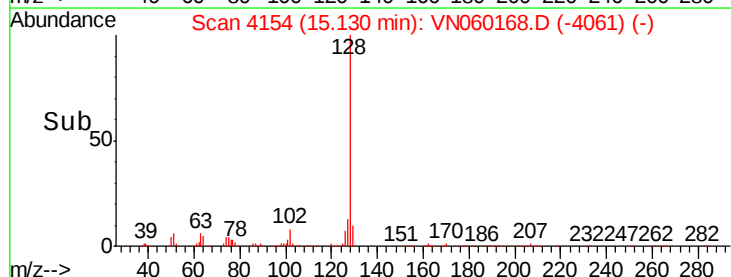


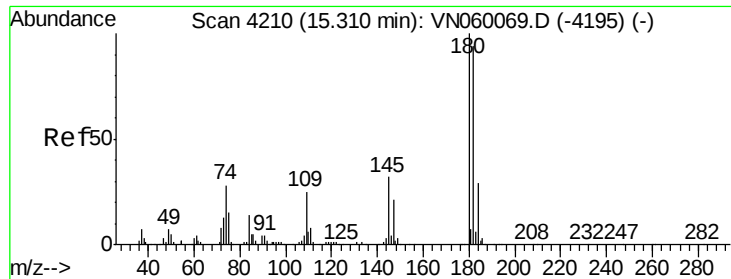
#95
 Naphthalene
 Concen: 150.985 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Tgt Ion:128 Resp: 1405195
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.3 15.5
 129 10.9 8.6 13.0



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

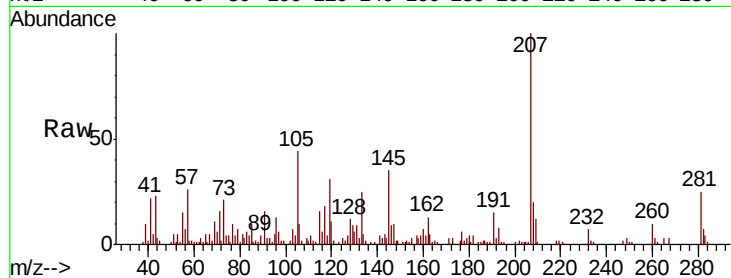




#96
 1,2,3-Trichlorobenzene
 Concen: 0.376 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060168.D
 Acq: 20 Feb 2020 13:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	116.5	47.5	142.5
145	769.2	16.1	48.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

