

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080368.D
 Acq On : 05 Dec 2023 15:58
 Operator : JC\MD
 Sample : 05616-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:53:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

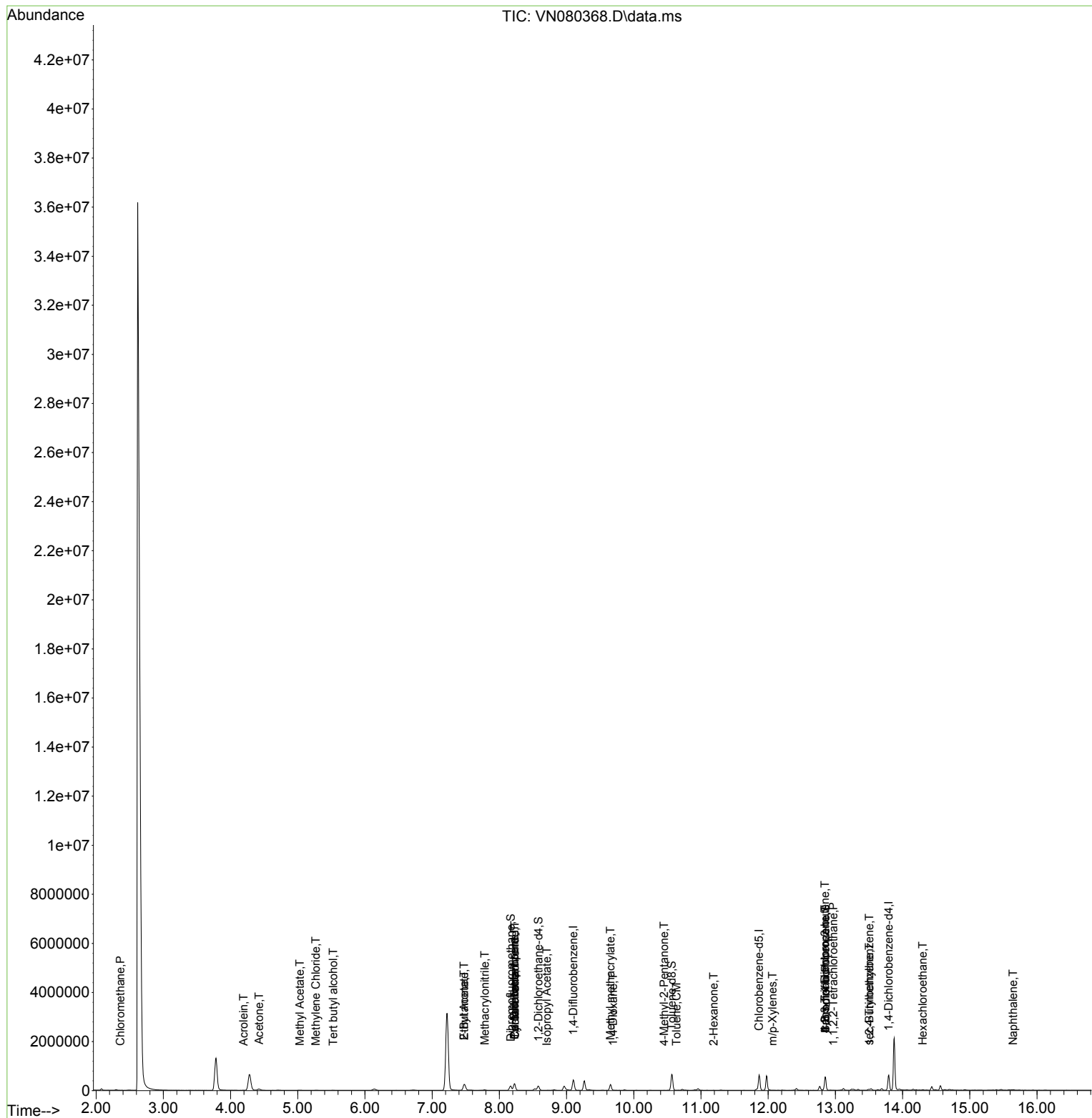
Internal Standards						
1) Pentafluorobenzene	8.224	168	180387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	168469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	152034	51.044	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.171	113	119108	48.219	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.440%			
50) Toluene-d8	10.565	98	441225	49.552	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.853	95	190754	56.716	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.440%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	751	0.372	ug/l #	42
6) Chloroethane	3.101	64	686	Below Cal	#	43
11) Tert butyl alcohol	5.530	59	5156	15.742	ug/l #	75
13) Acrolein	4.195	56	2303	7.945	ug/l	90
16) Acetone	4.424	43	87261	87.226	ug/l	93
18) Methyl Acetate	5.030	43	12271	3.818	ug/l	90
20) Methylene Chloride	5.271	84	3496	1.669	ug/l #	85
25) 2-Butanone	7.477	43	361446	304.096	ug/l	92
31) Cyclohexane	8.230	56	4097	1.265	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	15535	4.344	ug/l #	48
37) Ethyl Acetate	7.477	43	361446	145.708	ug/l #	63
38) Carbon Tetrachloride	8.230	117	21369	4.709	ug/l #	16
41) Methacrylonitrile	7.783	41	3946	2.897	ug/l #	35
43) Isopropyl Acetate	8.706	43	1118	0.232	ug/l #	49
48) Methyl methacrylate	9.653	41	62373	25.073	ug/l #	30
49) 1,4-Dioxane	9.694	88	868	20.974	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	1688	0.675	ug/l #	66
52) Toluene	10.635	92	1306	0.205	ug/l	85
59) 2-Hexanone	11.188	43	892	0.444	ug/l	61
68) m/p-Xylenes	12.065	106	1351	0.257	ug/l	85
71) Bromoform	12.853	173	928	0.398	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.970	83	1645	0.420	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	106195	25.727	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	106195	86.921	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.506	105	8982	0.800	ug/l #	32
85) sec-Butylbenzene	13.506	105	8982	0.777	ug/l #	57
90) Hexachloroethane	14.300	117	815	0.405	ug/l #	21
95) Naphthalene	15.647	128	9396	0.979	ug/l #	91

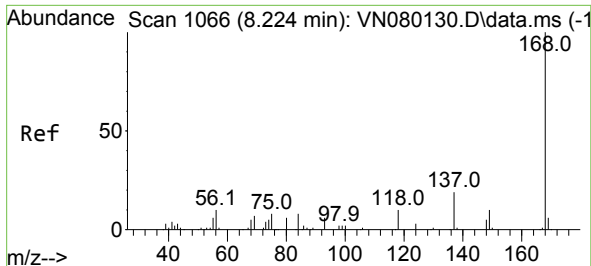
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
Data File : VN080368.D
Acq On : 05 Dec 2023 15:58
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Misc : 5.0mL/MSVOA_N/WATER
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MSVOA_N
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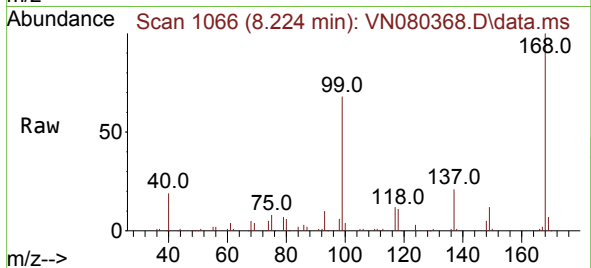
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



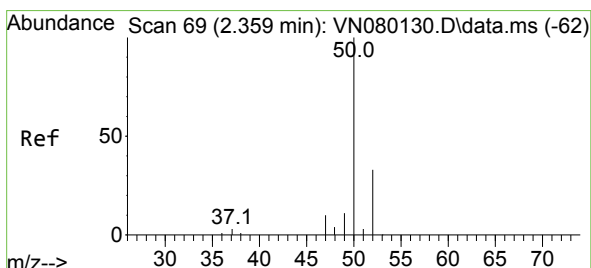
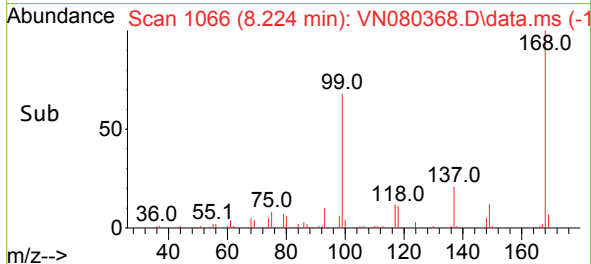
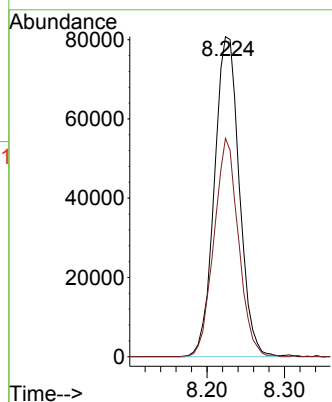


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Instrument :
MSVOA_N
ClientSampleId :

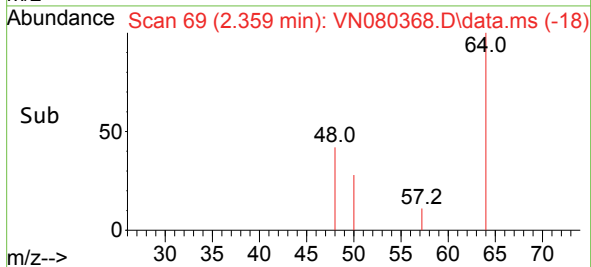
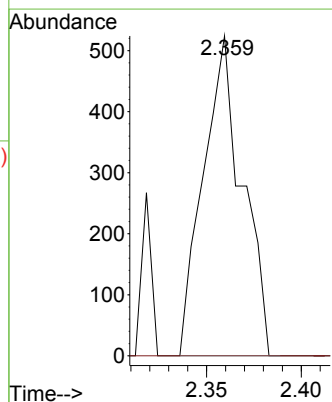
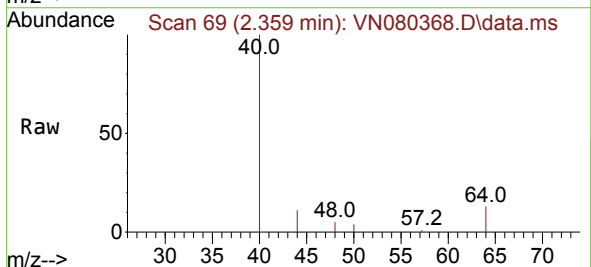


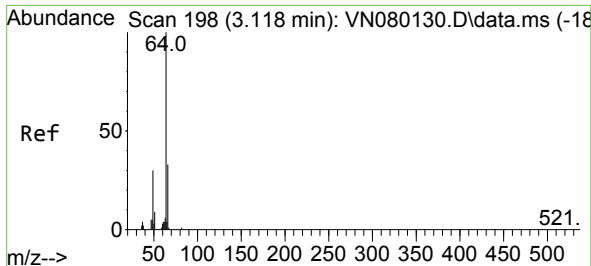
Tgt Ion:168 Resp: 180387
Ion Ratio Lower Upper
168 100
99 68.3 53.0 79.6



#3
Chloromethane
Concen: 0.372 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 50 Resp: 751
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

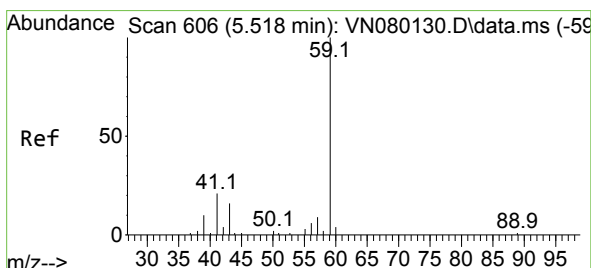
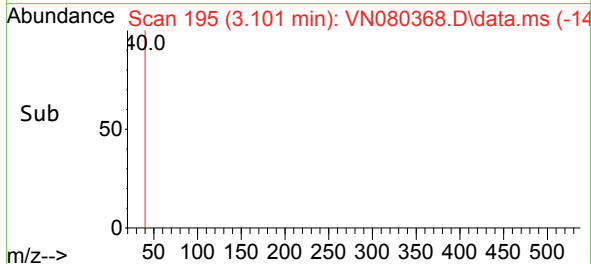
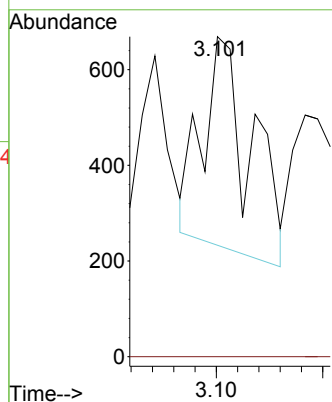
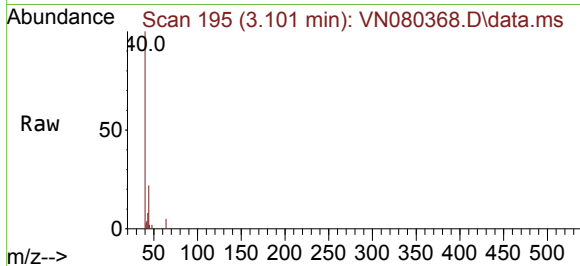




#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 198
Delta R.T. -0.017 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

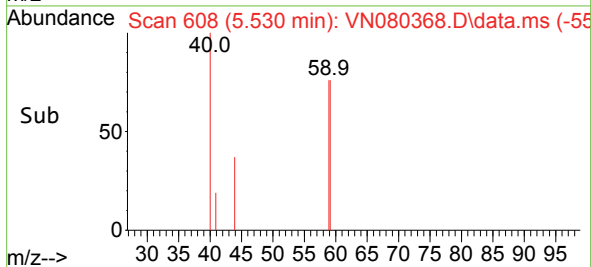
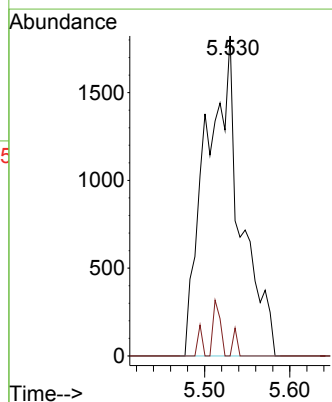
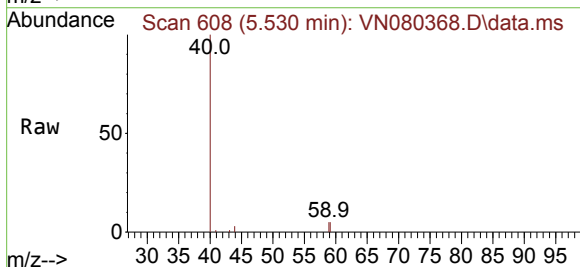
Instrument :
MSVOA_N
ClientSampleId :

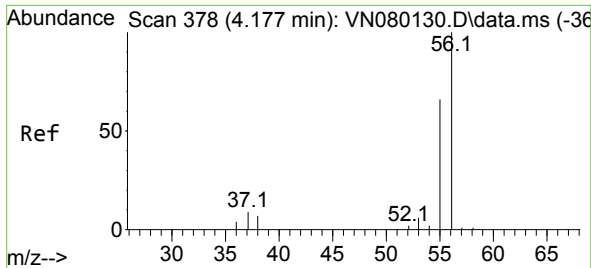
Tgt Ion: 64 Resp: 686
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 15.742 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 59 Resp: 5156
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#





#13

Acrolein

Concen: 7.945 ug/l

RT: 4.195 min Scan# 31

Delta R.T. 0.018 min

Lab File: VN080368.D

Acq: 05 Dec 2023 15:58

Instrument :

MSVOA_N

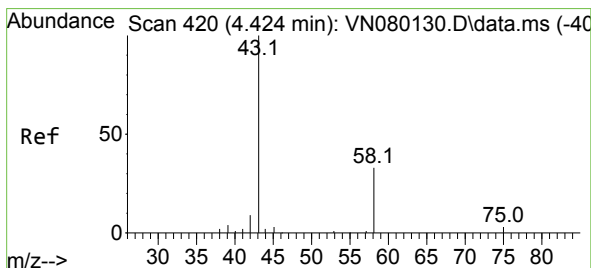
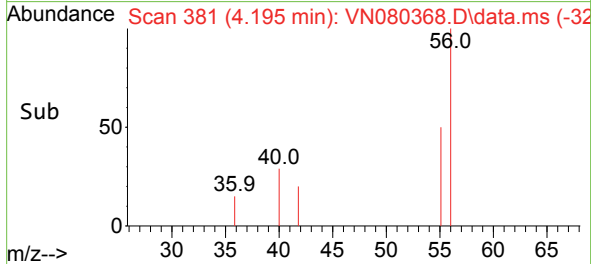
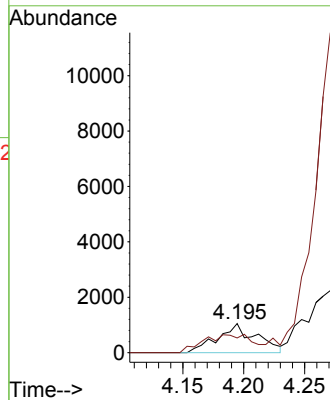
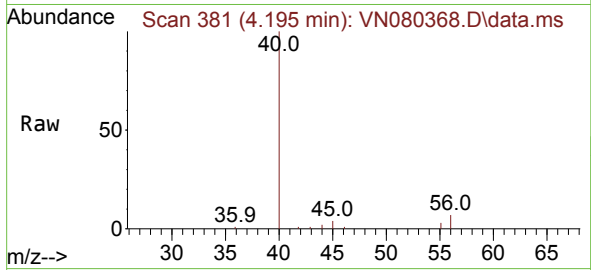
ClientSampleId :

Tgt Ion: 56 Resp: 2303

Ion Ratio Lower Upper

56 100

55 76.5 54.5 81.7



#16

Acetone

Concen: 87.226 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN080368.D

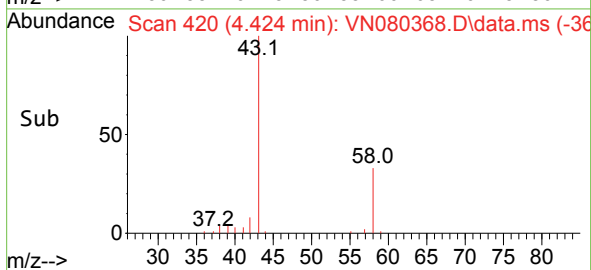
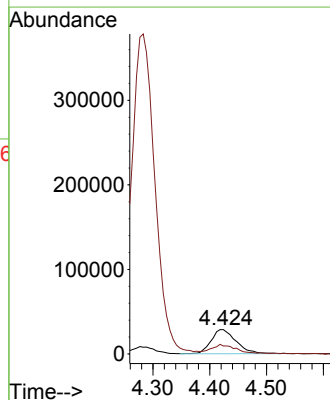
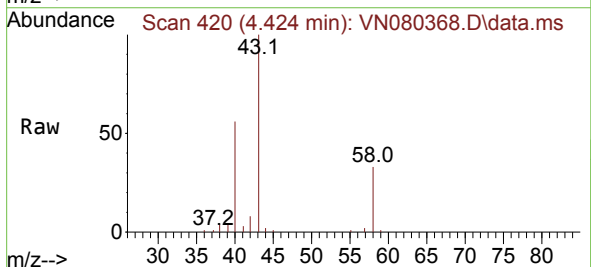
Acq: 05 Dec 2023 15:58

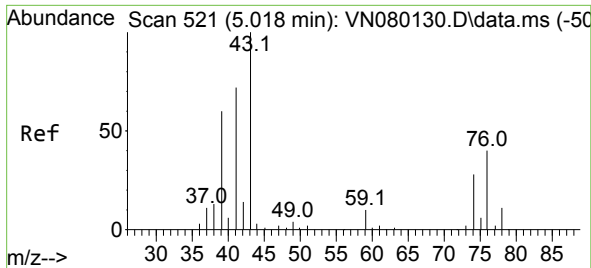
Tgt Ion: 43 Resp: 87261

Ion Ratio Lower Upper

43 100

58 30.7 28.0 42.0

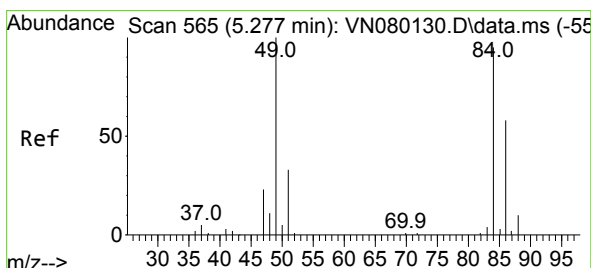
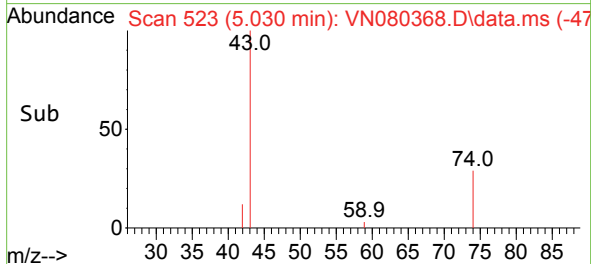
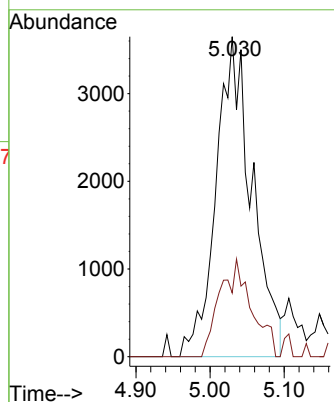
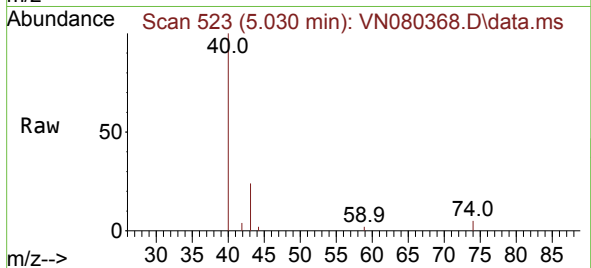




#18
Methyl Acetate
Concen: 3.818 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

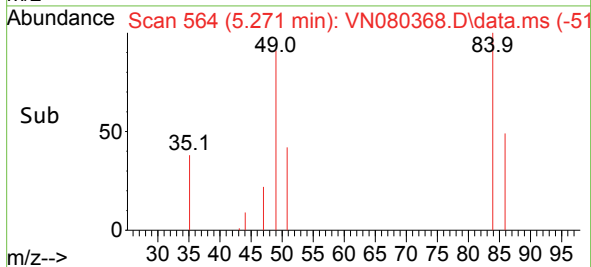
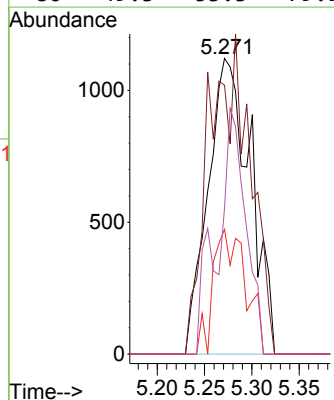
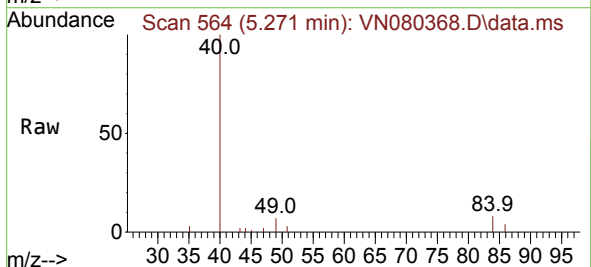
Instrument :
MSVOA_N
ClientSampleId :

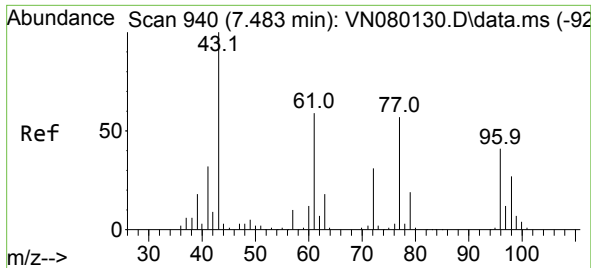
Tgt Ion: 43 Resp: 12271
Ion Ratio Lower Upper
43 100
74 27.1 26.2 39.4



#20
Methylene Chloride
Concen: 1.669 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 84 Resp: 3496
Ion Ratio Lower Upper
84 100
49 91.0 79.7 119.5
51 42.2 25.2 37.8#
86 49.3 53.3 79.9#

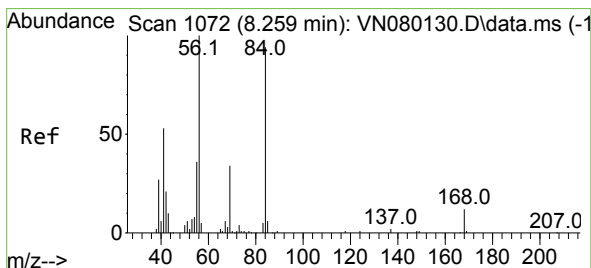
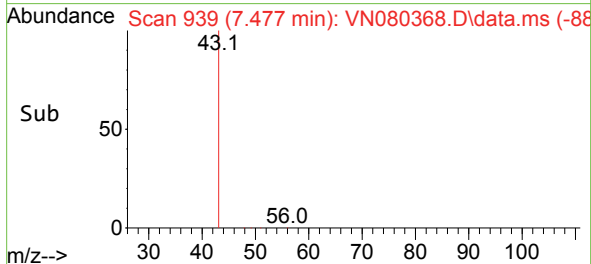
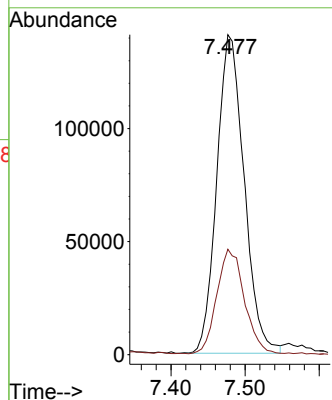
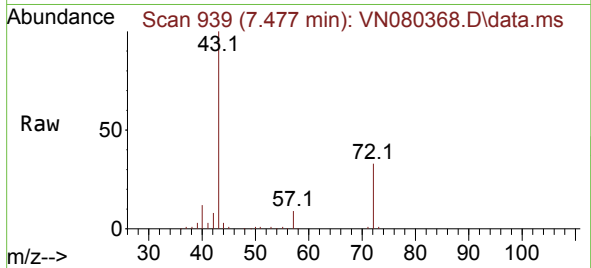




#25
2-Butanone
Concen: 304.096 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

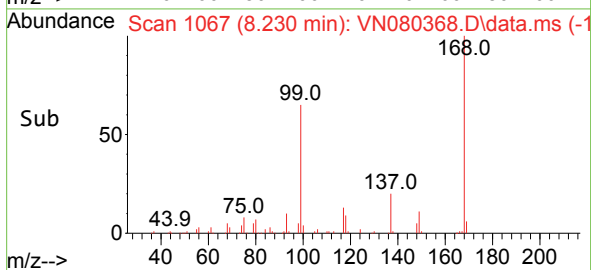
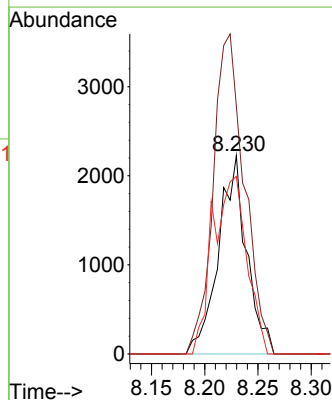
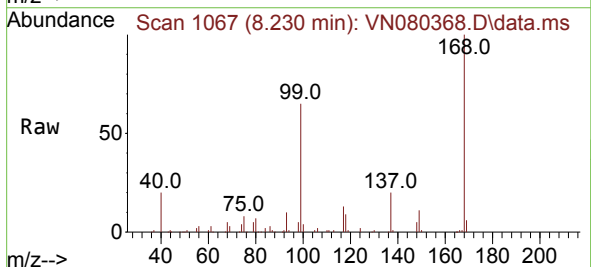
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MSVOA_N
ClientSampleId :

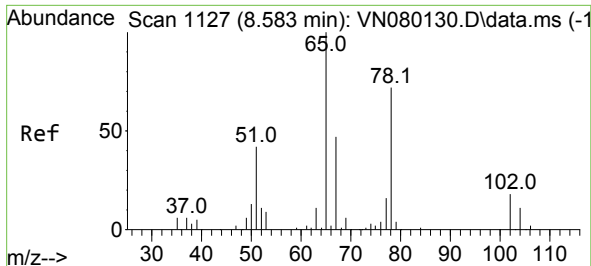
Tgt Ion: 43 Resp: 361446
Ion Ratio Lower Upper
43 100
72 32.7 30.2 45.2



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 56 Resp: 4097
Ion Ratio Lower Upper
56 100
69 125.0 26.8 40.2#
84 89.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.044 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080368.D

Acq: 05 Dec 2023 15:58

Instrument :

MSVOA_N

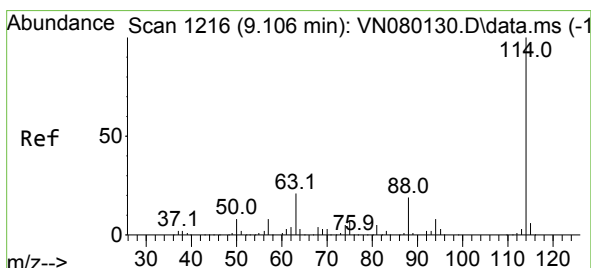
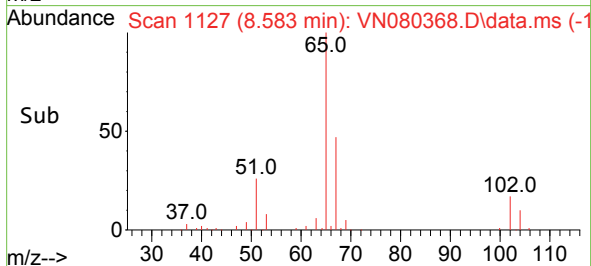
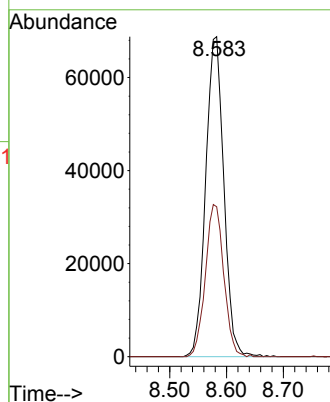
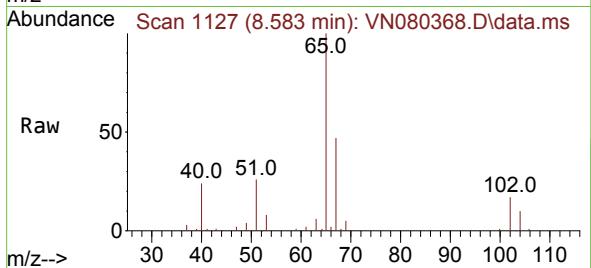
ClientSampleId :

Tgt Ion: 65 Resp: 152034

Ion Ratio Lower Upper

65 100

67 48.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080368.D

Acq: 05 Dec 2023 15:58

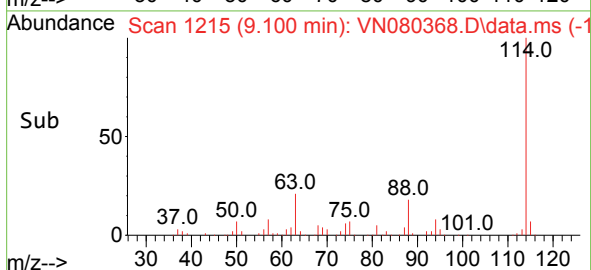
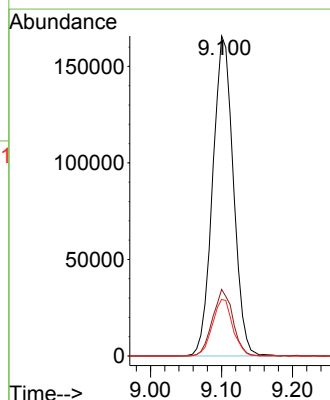
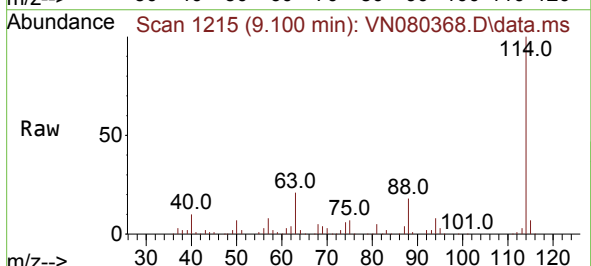
Tgt Ion: 114 Resp: 334766

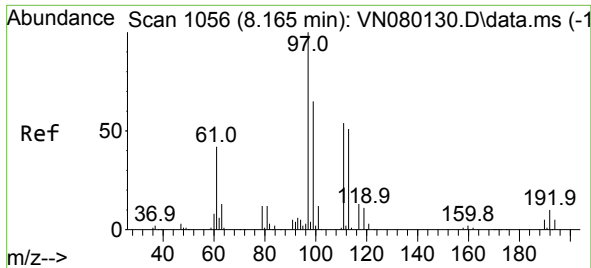
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 17.7 0.0 30.6

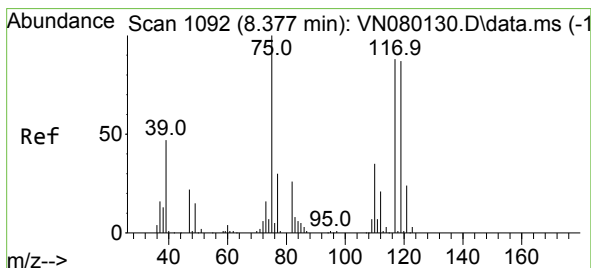
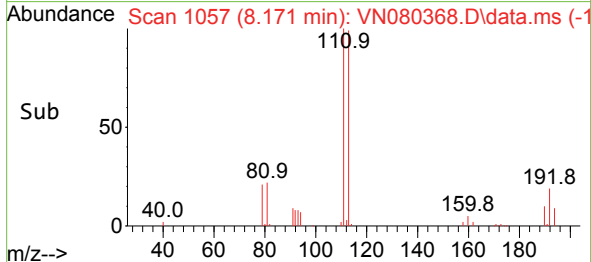
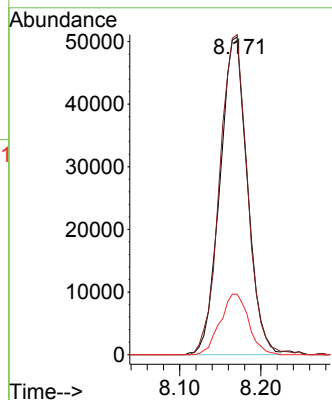
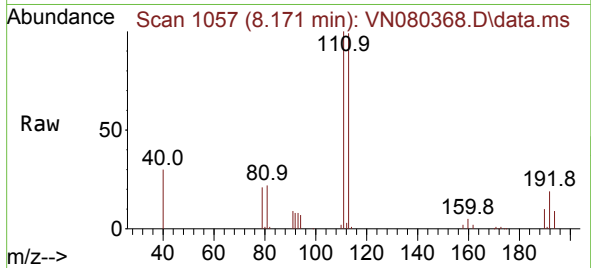




#35
Dibromofluoromethane
Concen: 48.219 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

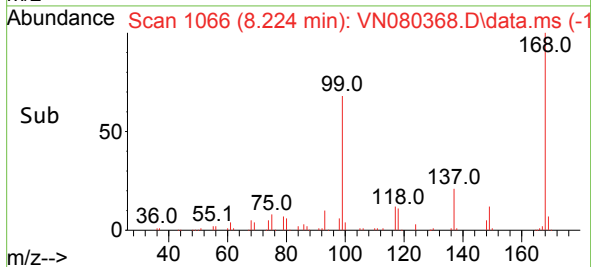
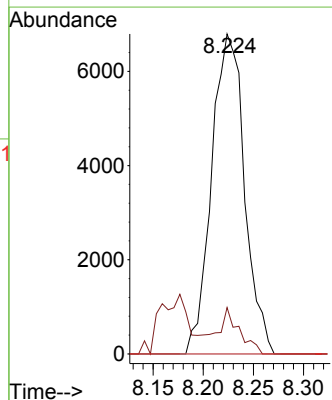
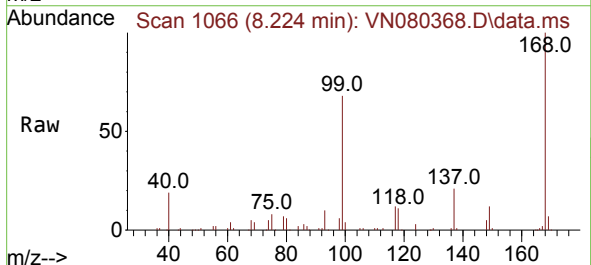
Instrument :
MSVOA_N
ClientSampleId :

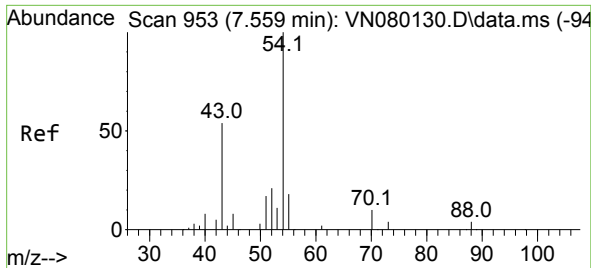
Tgt Ion:113 Resp: 119108
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 19.7 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

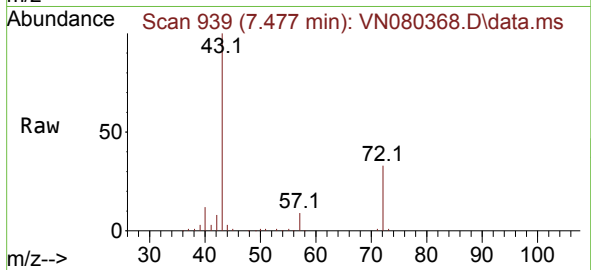
Tgt Ion: 75 Resp: 15535
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.0 25.0 37.4#



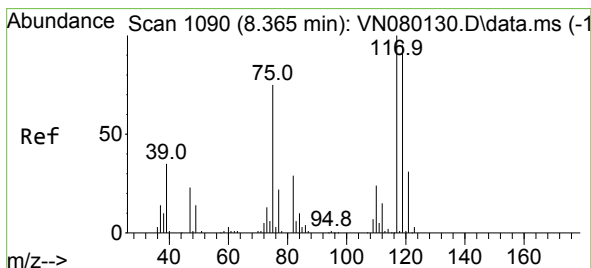
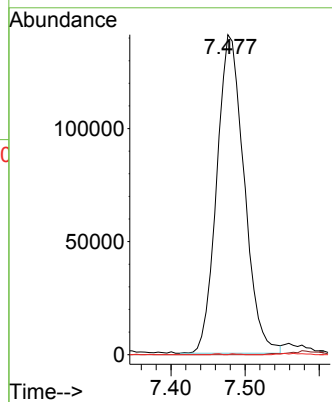
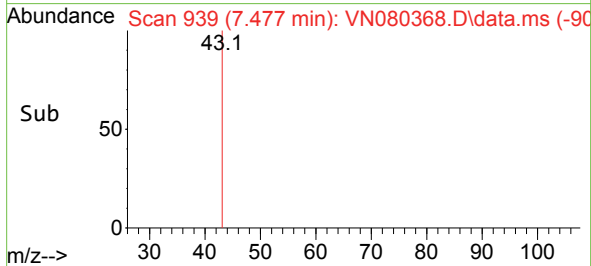


#37
Ethyl Acetate
Concen: 145.708 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.082 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Instrument :
MSVOA_N
ClientSampleId :

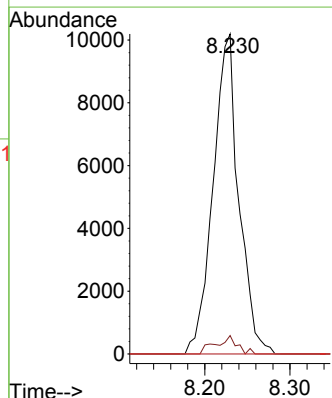
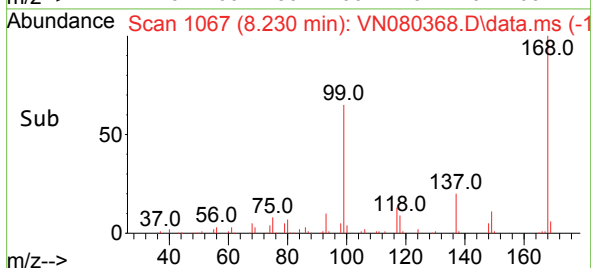
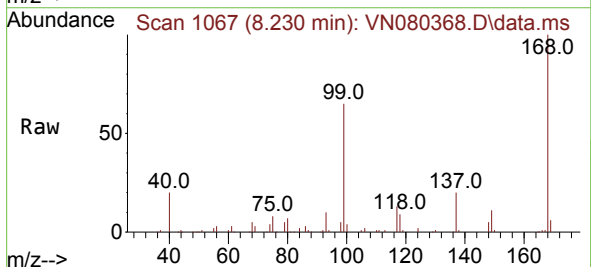


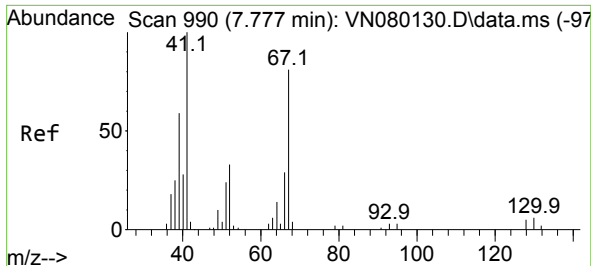
Tgt Ion: 43 Resp: 361446
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.1 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.709 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 117 Resp: 21369
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#

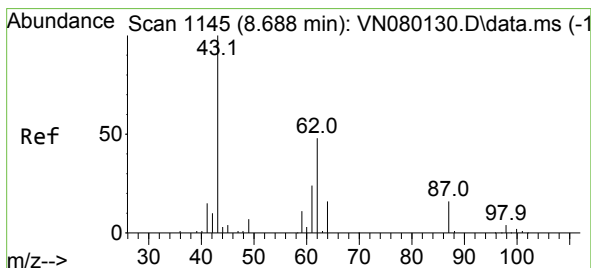
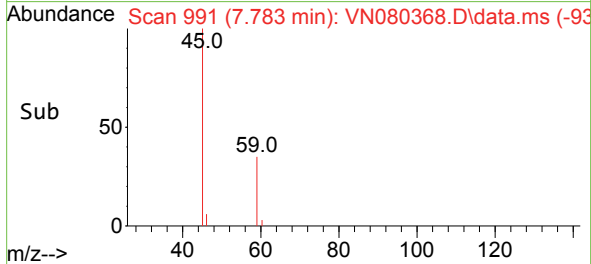
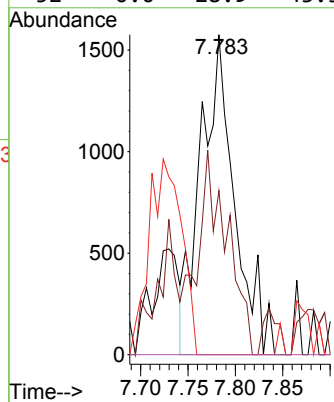
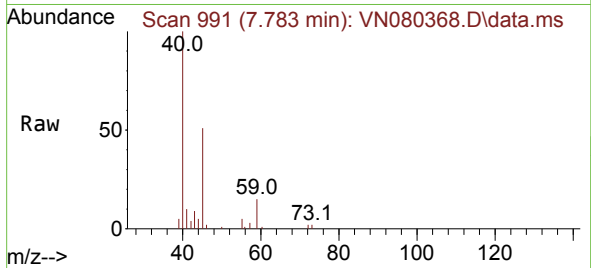




#41
Methacrylonitrile
Concen: 2.897 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

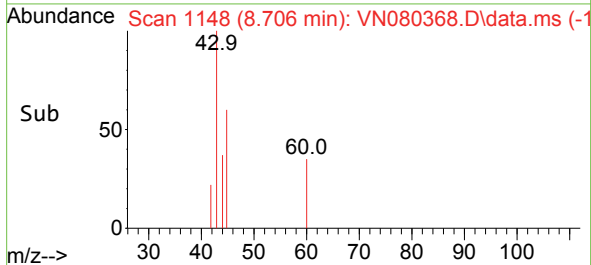
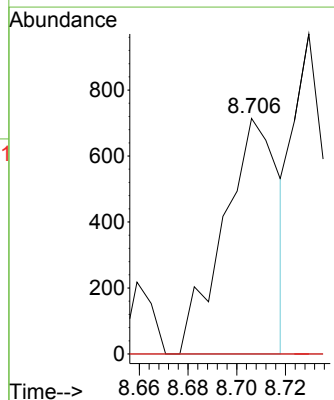
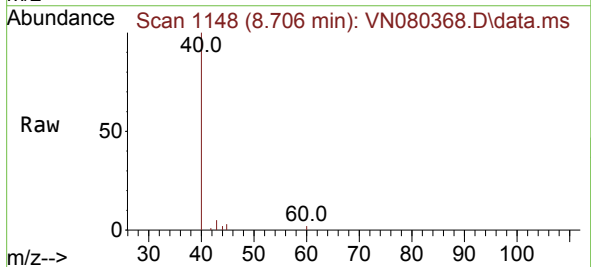
Instrument :
MSVOA_N
ClientSampleId :

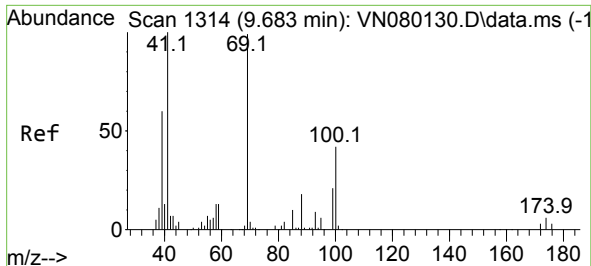
Tgt Ion: 41	Resp: 3946
Ion Ratio	Lower Upper
41	100
39	49.5 42.6 64.0
67	0.0 77.5 116.3#
52	0.0 28.9 43.3#



#43
Isopropyl Acetate
Concen: 0.232 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

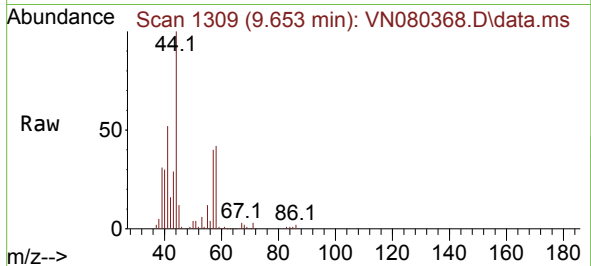
Tgt Ion: 43	Resp: 1118
Ion Ratio	Lower Upper
43	100
61	0.0 24.7 37.1#
87	0.0 14.6 21.8#



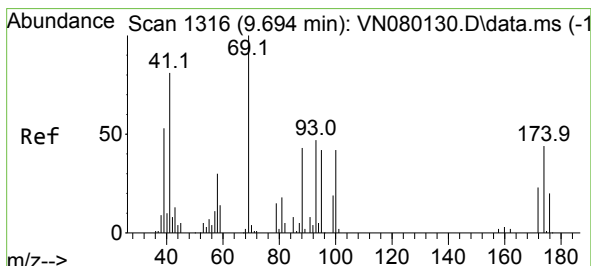
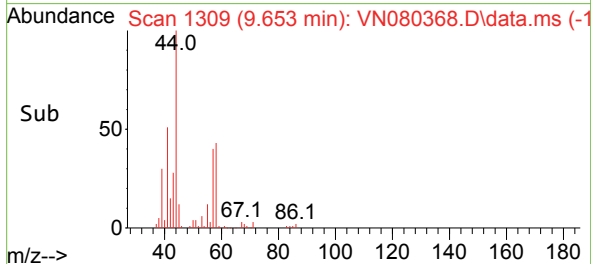
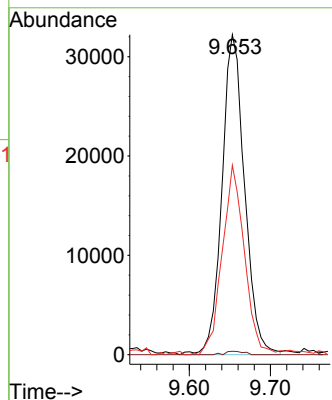


#48
Methyl methacrylate
Concen: 25.073 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.029 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Instrument :
MSVOA_N
ClientSampleId :

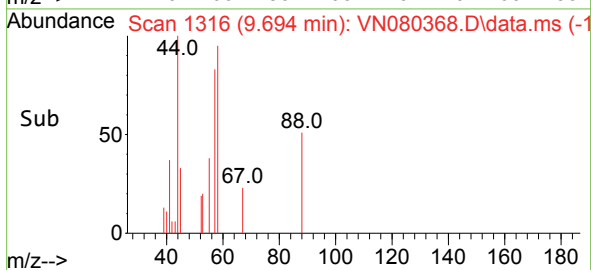
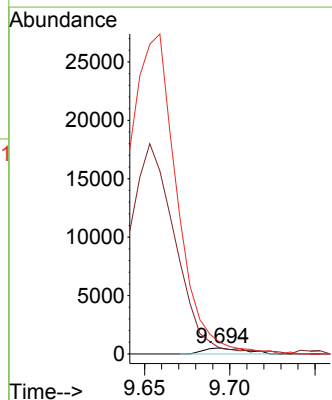
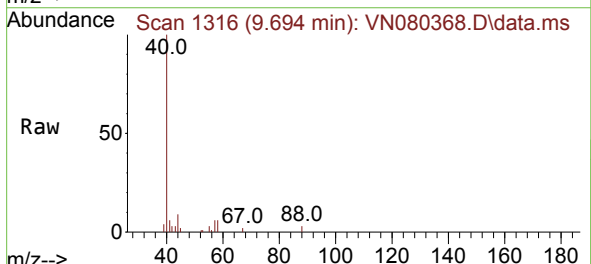


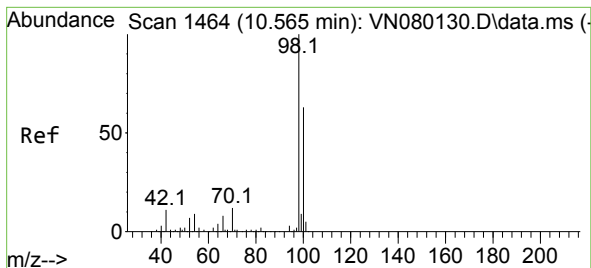
Tgt Ion: 41 Resp: 62373
Ion Ratio Lower Upper
41 100
69 0.9 90.4 135.6#
39 58.1 54.6 81.8



#49
1,4-Dioxane
Concen: 20.974 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 88 Resp: 868
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

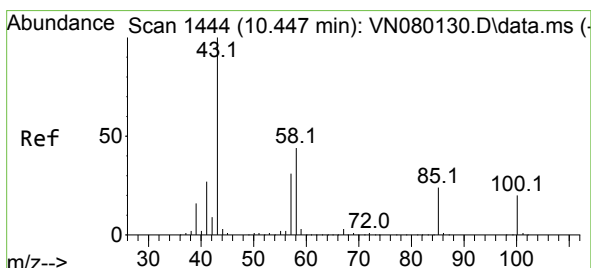
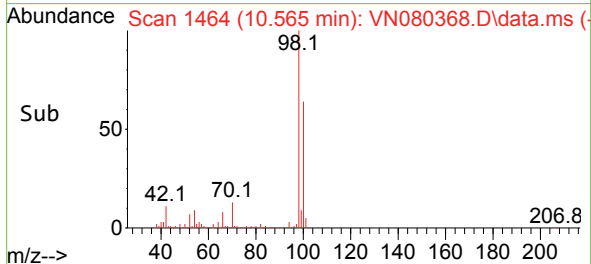
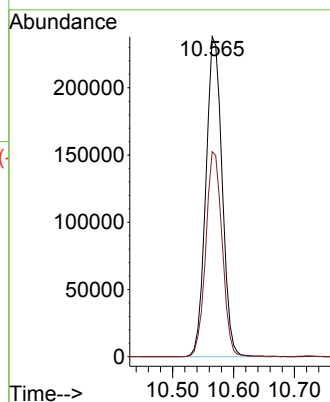
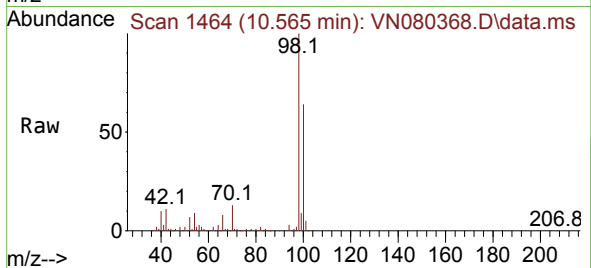




#50
Toluene-d8
Concen: 49.552 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

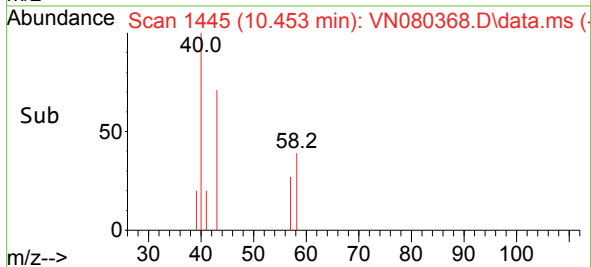
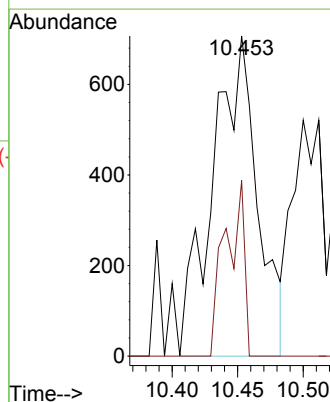
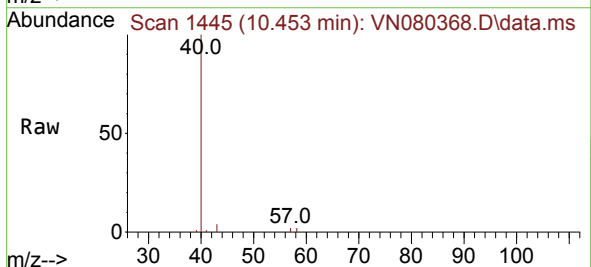
Instrument :
MSVOA_N
ClientSampleId :

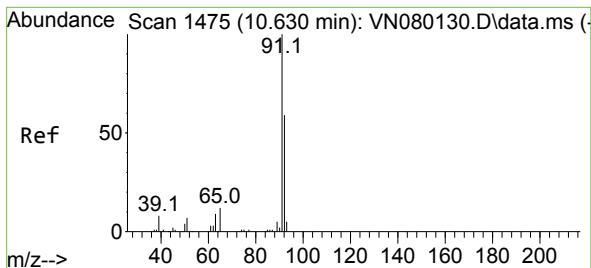
Tgt Ion: 98 Resp: 441225
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.675 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
58 23.0 36.6 54.8#





#52

Toluene

Concen: 0.205 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN080368.D

Acq: 05 Dec 2023 15:58

Instrument :

MSVOA_N

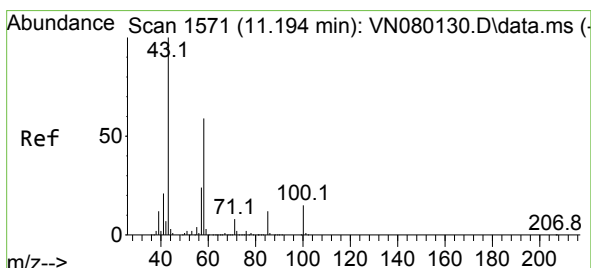
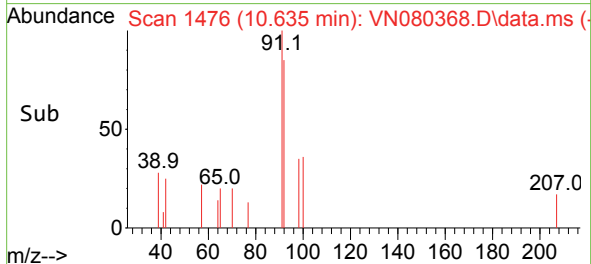
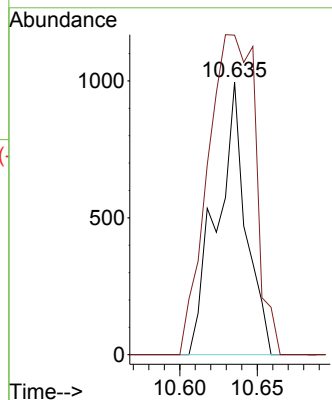
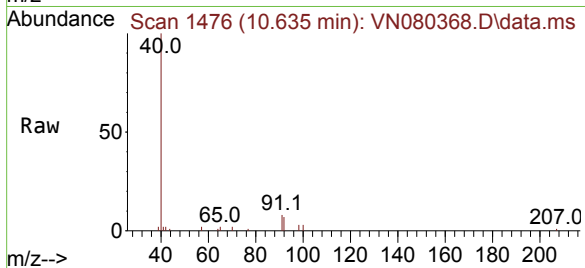
ClientSampleId :

Tgt Ion: 92 Resp: 1306

Ion Ratio Lower Upper

92 100

91 192.0 137.4 206.0



#59

2-Hexanone

Concen: 0.444 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. -0.006 min

Lab File: VN080368.D

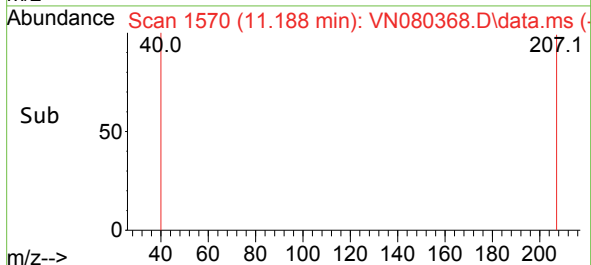
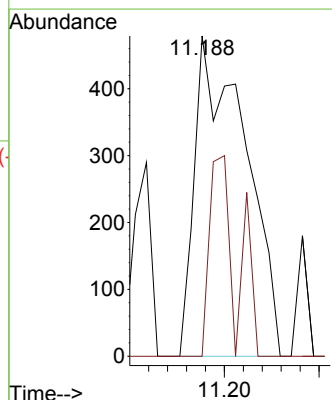
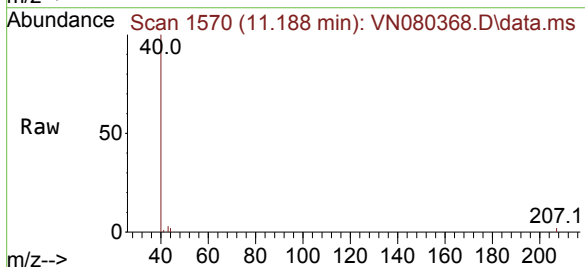
Acq: 05 Dec 2023 15:58

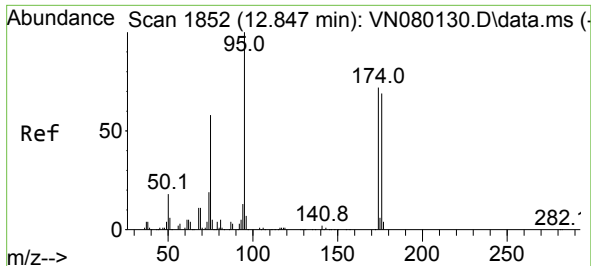
Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

43 100

58 33.1 31.7 95.1

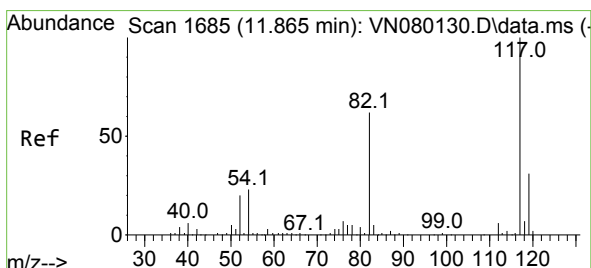
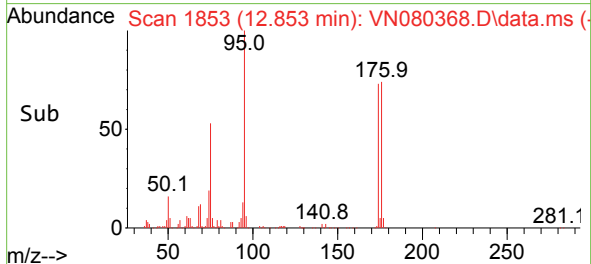
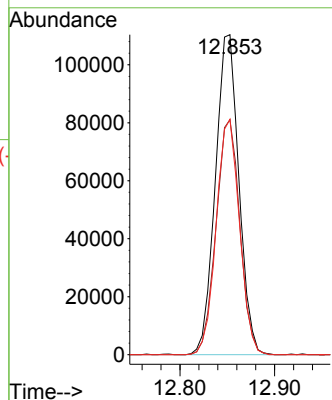
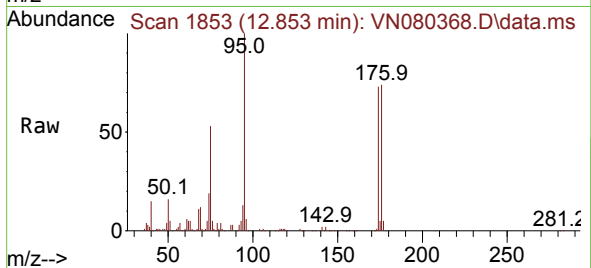




#62
4-Bromofluorobenzene
Concen: 56.716 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

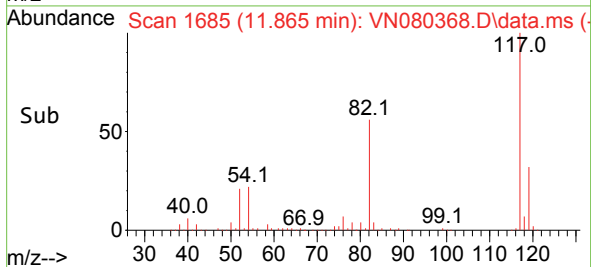
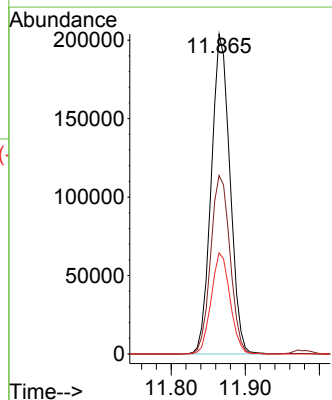
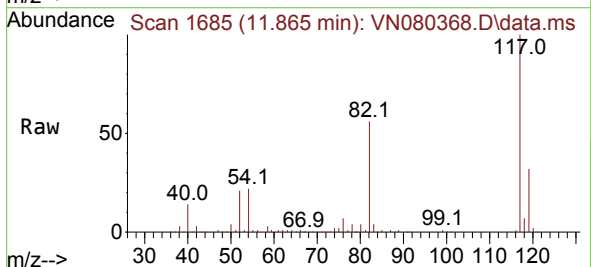
Instrument :
MSVOA_N
ClientSampleId :

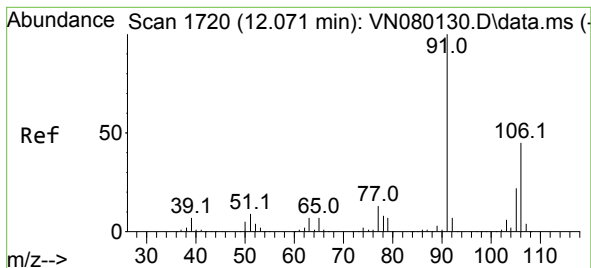
Tgt Ion: 95 Resp: 190754
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 72.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion: 117 Resp: 357245
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 31.6 25.6 38.4

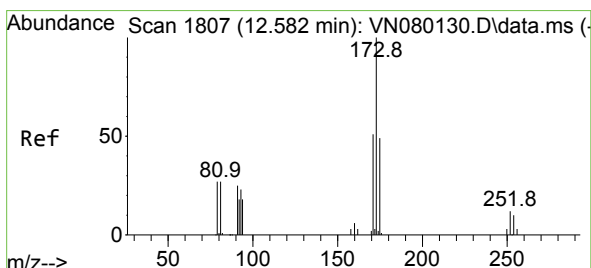
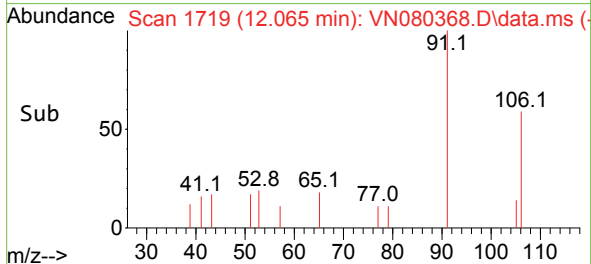
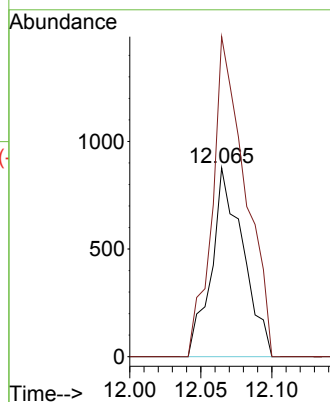
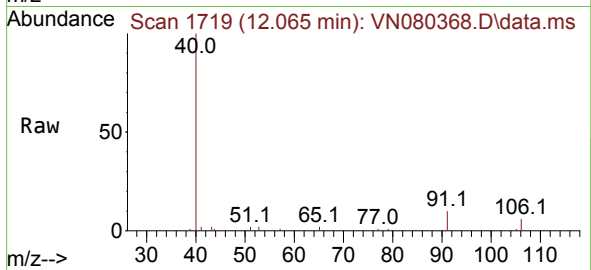




#68
m/p-Xylenes
Concen: 0.257 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

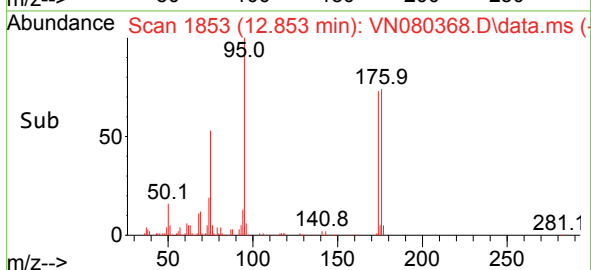
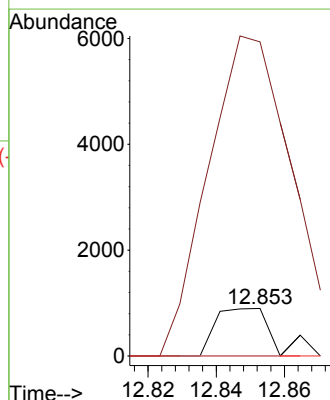
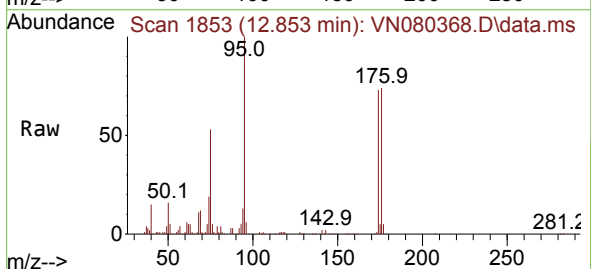
Instrument :
MSVOA_N
ClientSampleId :

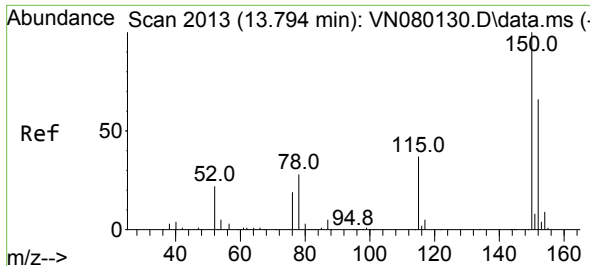
Tgt Ion:106 Resp: 1351
Ion Ratio Lower Upper
106 100
91 177.2 159.6 239.4



#71
Bromoform
Concen: 0.398 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

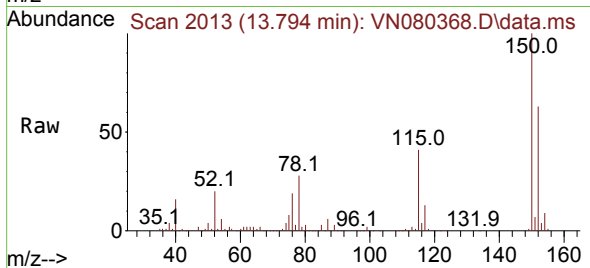
Tgt Ion:173 Resp: 928
Ion Ratio Lower Upper
173 100
175 941.9 24.3 73.0#
254 0.0 0.0 0.0



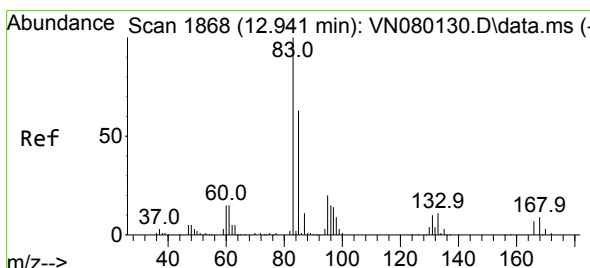
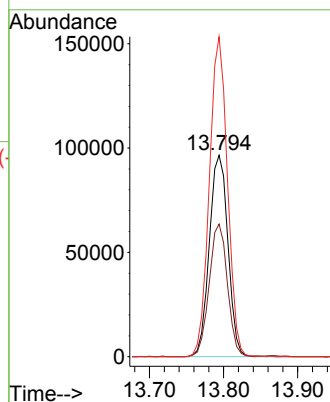
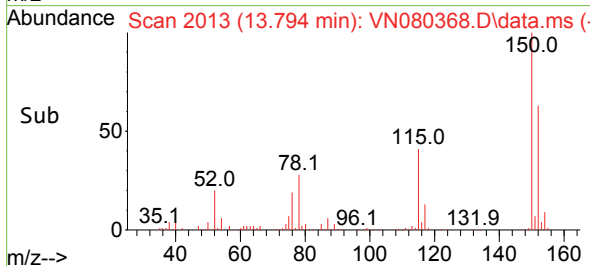


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080368.D
 Acq: 05 Dec 2023 15:58

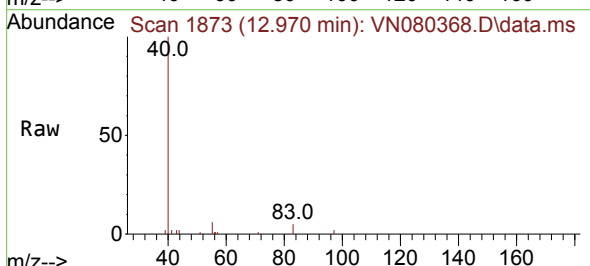
Instrument :
 MSVOA_N
 ClientSampleId :



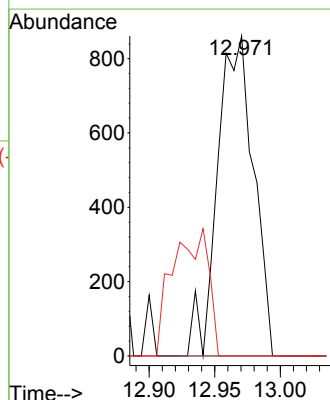
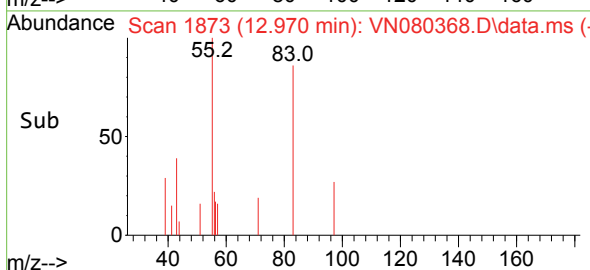
Tgt Ion:152 Resp: 168469
 Ion Ratio Lower Upper
 152 100
 115 64.5 32.3 96.8
 150 154.2 0.0 355.8

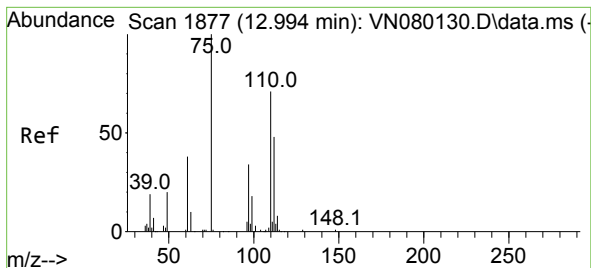


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.420 ug/l
 RT: 12.970 min Scan# 1873
 Delta R.T. 0.029 min
 Lab File: VN080368.D
 Acq: 05 Dec 2023 15:58



Tgt Ion: 83 Resp: 1645
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 25.727 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080368.D

Acq: 05 Dec 2023 15:58

Instrument :

MSVOA_N

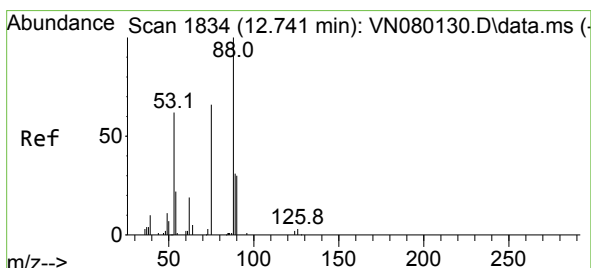
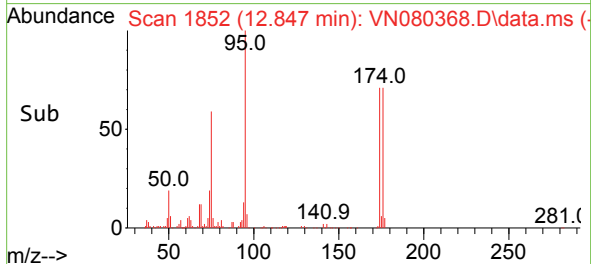
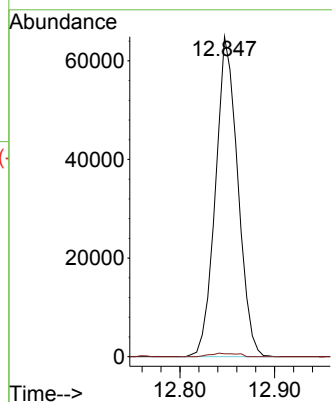
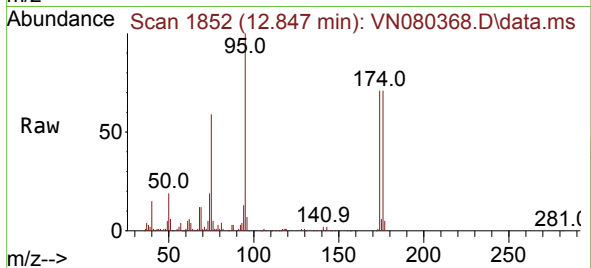
ClientSampleId :

Tgt Ion: 75 Resp: 106195

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.921 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN080368.D

Acq: 05 Dec 2023 15:58

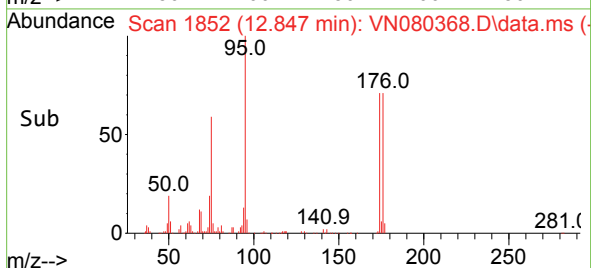
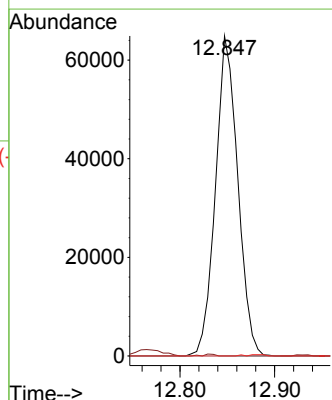
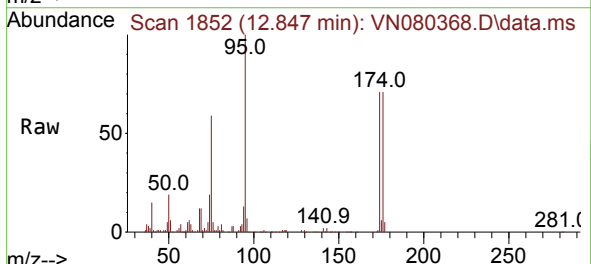
Tgt Ion: 75 Resp: 106195

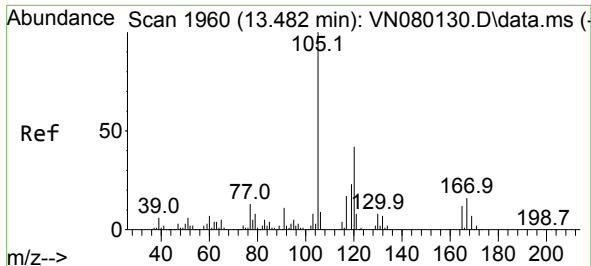
Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.0 38.8 58.2#

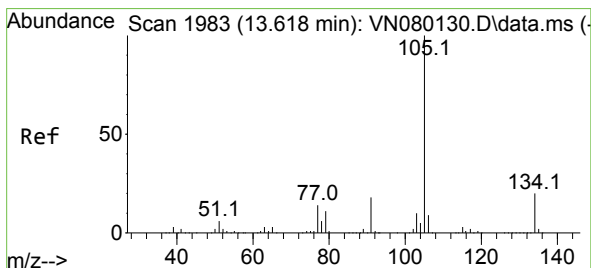
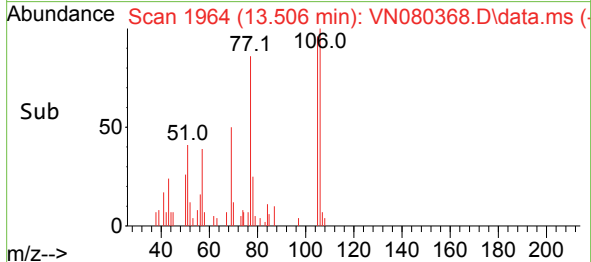
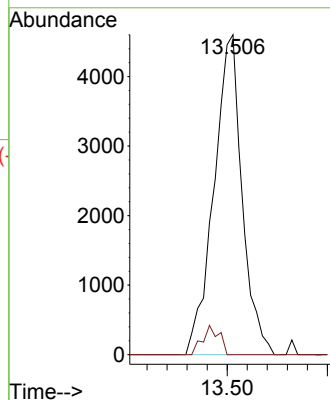
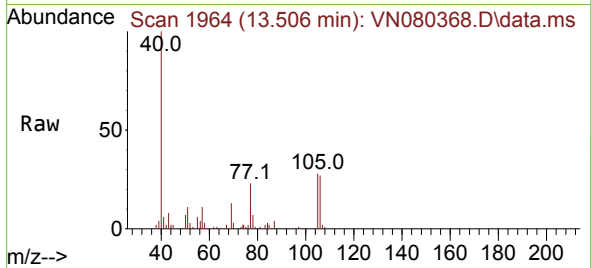




#84
1,2,4-Trimethylbenzene
Concen: 0.800 ug/l
RT: 13.506 min Scan# 1964
Delta R.T. 0.023 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

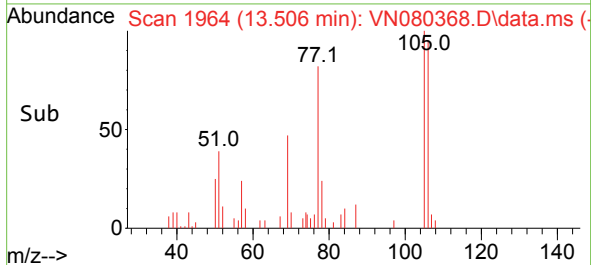
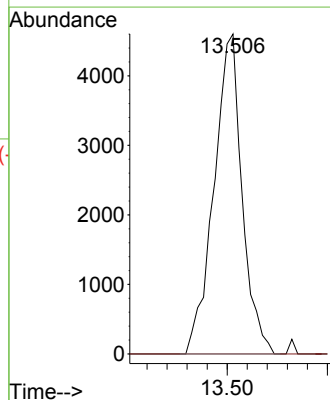
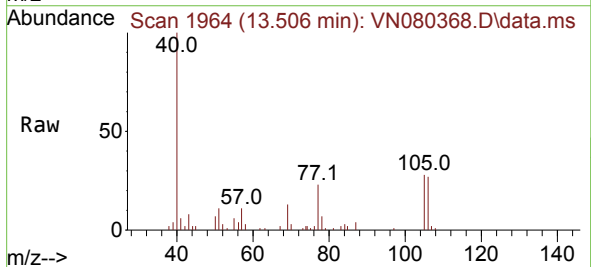
Instrument :
MSVOA_N
ClientSampleId :

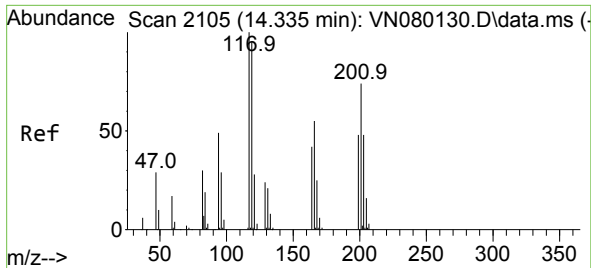
Tgt Ion:105 Resp: 8982
Ion Ratio Lower Upper
105 100
120 0.0 22.0 66.0#



#85
sec-Butylbenzene
Concen: 0.777 ug/l
RT: 13.506 min Scan# 1964
Delta R.T. -0.112 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion:105 Resp: 8982
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

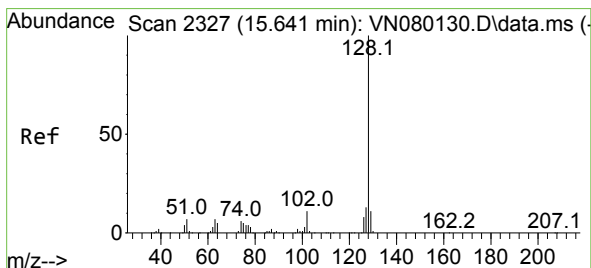
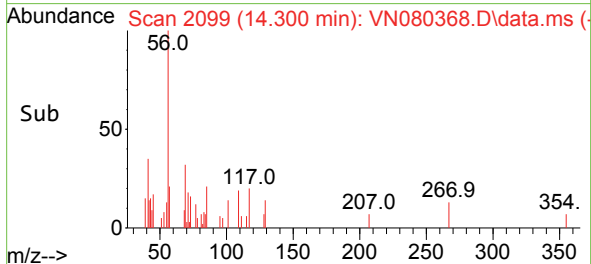
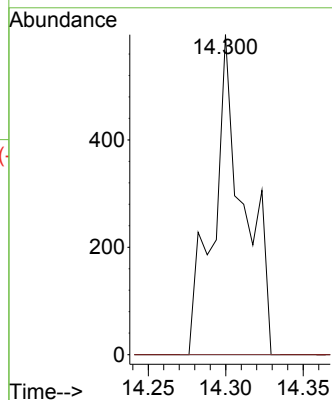
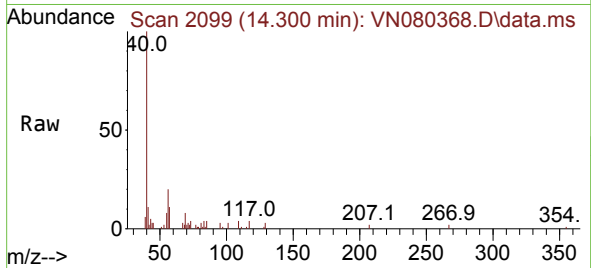




#90
Hexachloroethane
Concen: 0.405 ug/l
RT: 14.300 min Scan# 2099
Delta R.T. -0.035 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 815
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#



#95
Naphthalene
Concen: 0.979 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080368.D
Acq: 05 Dec 2023 15:58

Tgt Ion:128 Resp: 9396
Ion Ratio Lower Upper
128 100
127 14.3 10.0 15.0
129 16.5 8.7 13.1#

