

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084696.D
 Acq On : 05 Nov 2024 18:36
 Operator : JC\MD
 Sample : P4701-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:36:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

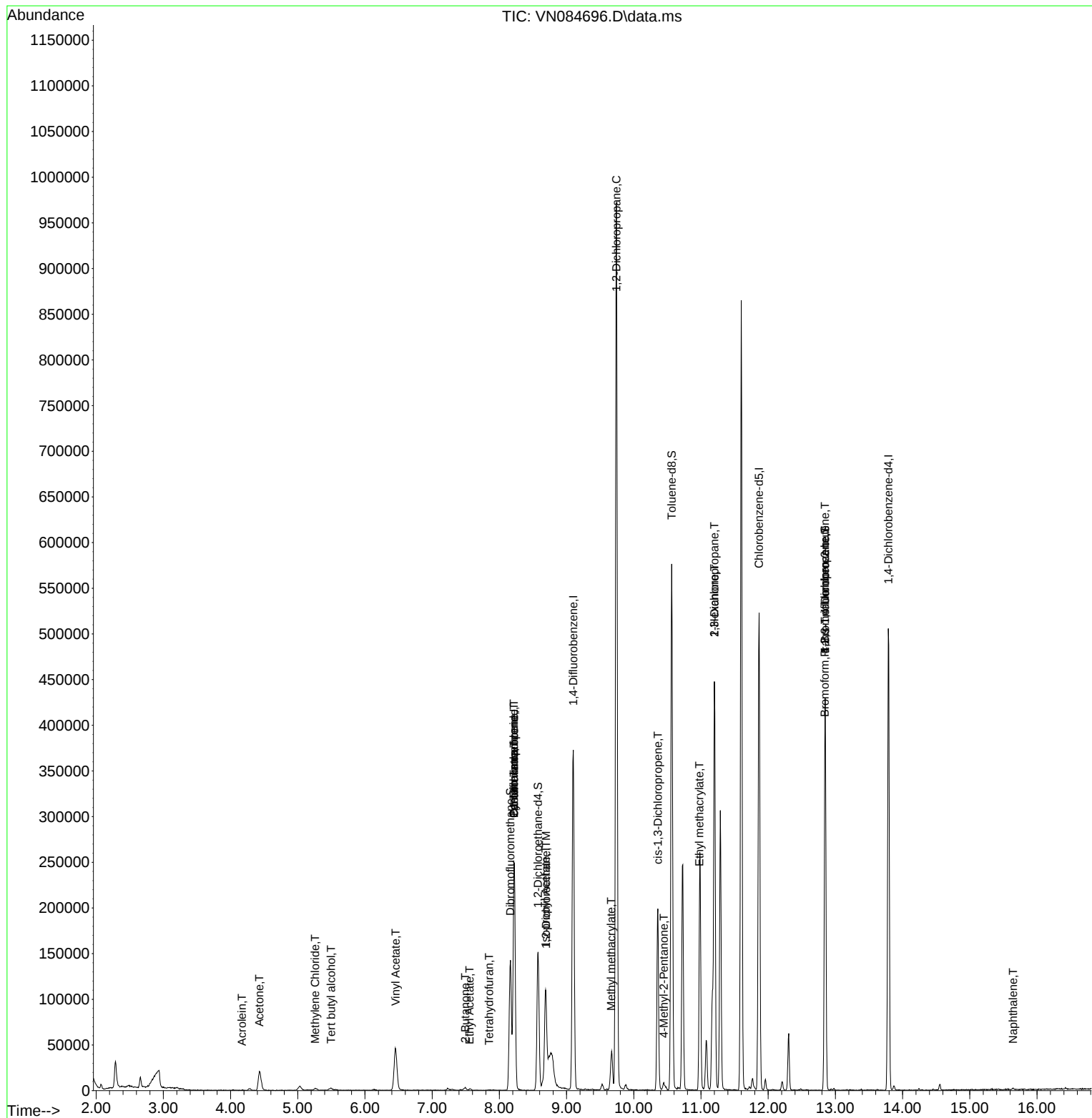
Internal Standards						
1) Pentafluorobenzene	8.218	168	182366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128515	48.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.580%		
35) Dibromofluoromethane	8.165	113	103253	46.332	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.660%		
50) Toluene-d8	10.565	98	392561	47.820	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.640%		
62) 4-Bromofluorobenzene	12.847	95	152421	49.680	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.360%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	475	Below Cal	#	75
6) Chloroethane	3.136	64	215	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	2688	7.731	ug/l #	73
13) Acrolein	4.171	56	71	0.205	ug/l #	79
16) Acetone	4.430	43	40596	51.086	ug/l	94
18) Methyl Acetate	5.036	43	9771	Below Cal		94
20) Methylene Chloride	5.259	84	1713	0.739	ug/l #	74
23) Vinyl Acetate	6.459	43	952	0.206	ug/l #	72
25) 2-Butanone	7.494	43	5258	4.279	ug/l	92
29) Tetrahydrofuran	7.847	42	495	0.607	ug/l #	34
31) Cyclohexane	8.218	56	3941	1.084	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14974	4.845	ug/l #	49
37) Ethyl Acetate	7.559	43	2613	0.932	ug/l #	78
38) Carbon Tetrachloride	8.218	117	19609	5.676	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	708	0.220	ug/l #	75
43) Isopropyl Acetate	8.688	43	140586	26.688	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1125	0.483	ug/l #	44
48) Methyl methacrylate	9.665	41	2845	1.304	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	9152	3.424	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	36722	9.678	ug/l #	63
56) Ethyl methacrylate	10.976	69	1191	0.377	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4325	1.152	ug/l #	42
59) 2-Hexanone	11.200	43	56095	28.829	ug/l #	55
71) Bromoform	12.841	173	405	0.231	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	78911	28.626	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78911	67.912	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	136	Below Cal	#	1
95) Naphthalene	15.647	128	2144	0.269	ug/l #	74

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

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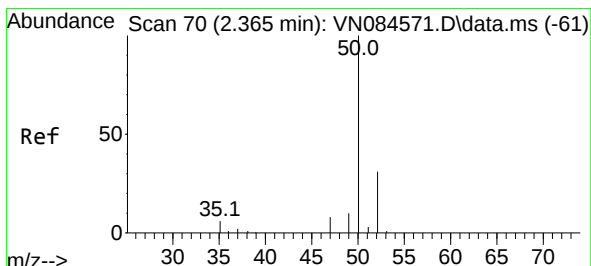
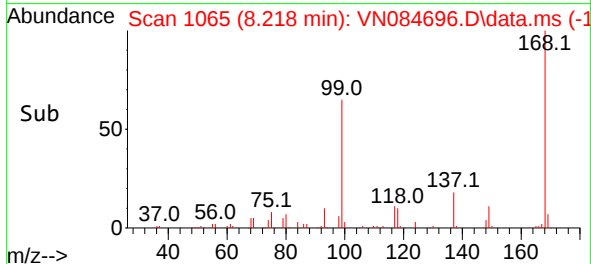
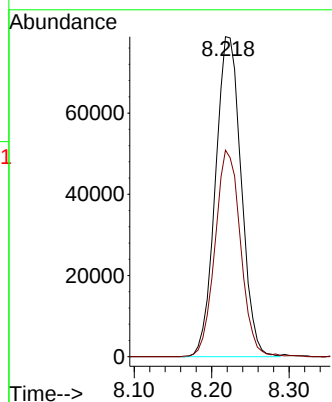
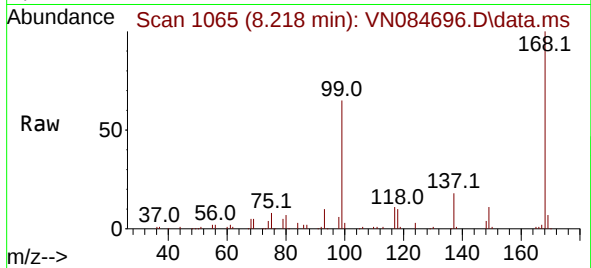




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

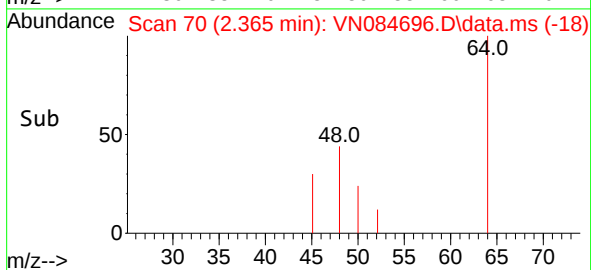
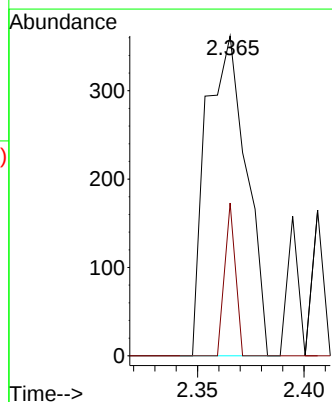
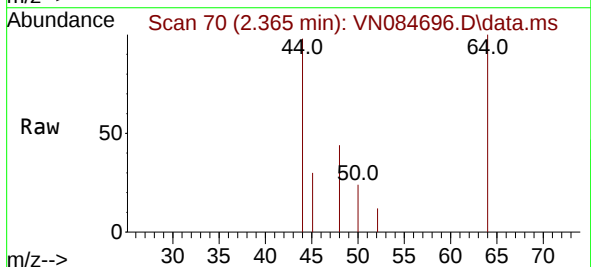
Instrument :
MSVOA_N
ClientSampleId :

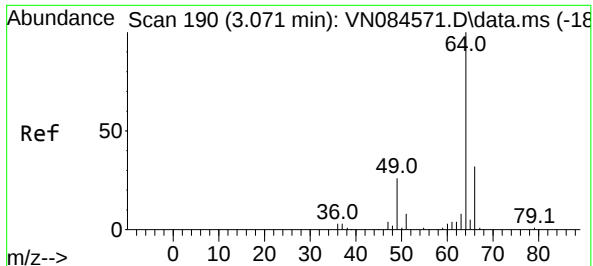
Tgt Ion:168 Resp: 182366
Ion Ratio Lower Upper
168 100
99 64.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

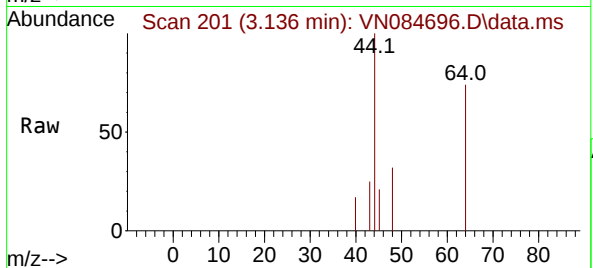
Tgt Ion: 50 Resp: 475
Ion Ratio Lower Upper
50 100
52 47.8 26.8 40.2#



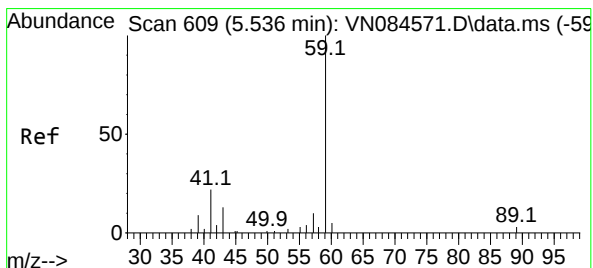
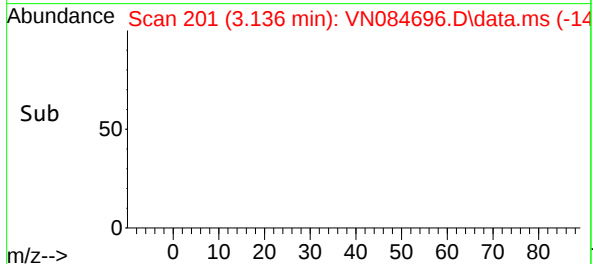
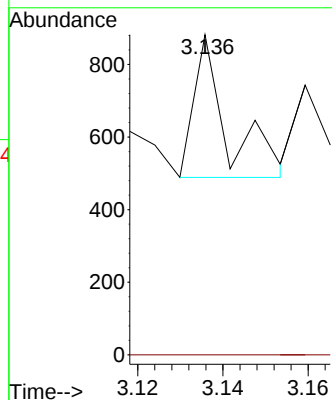


#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

Instrument :
MSVOA_N
ClientSampleId :

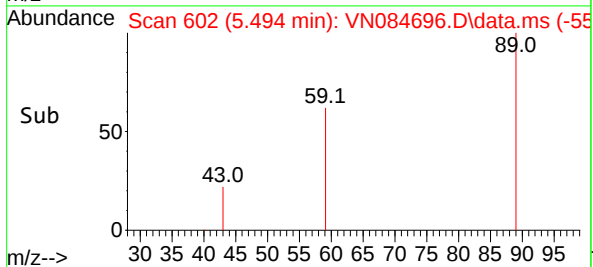
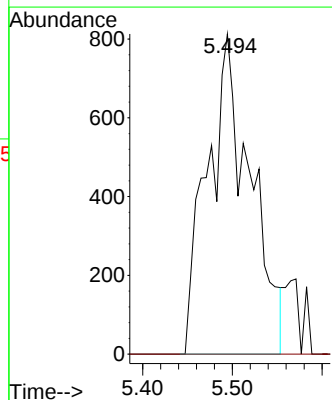
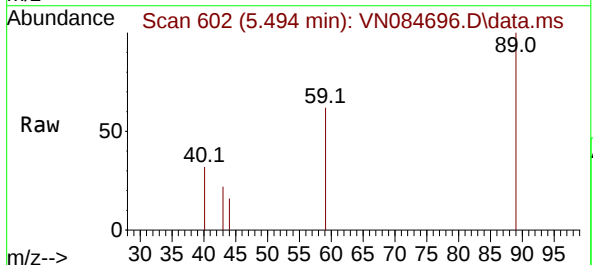


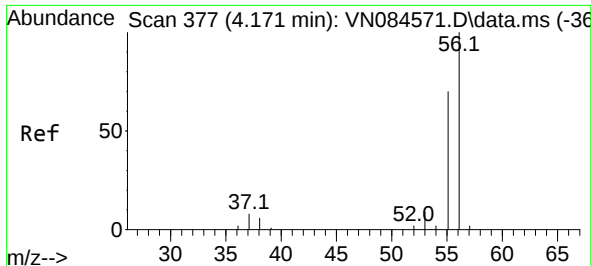
Tgt Ion: 64 Resp: 215
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 7.731 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

Tgt Ion: 59 Resp: 2688
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.205 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

Instrument :

MSVOA_N

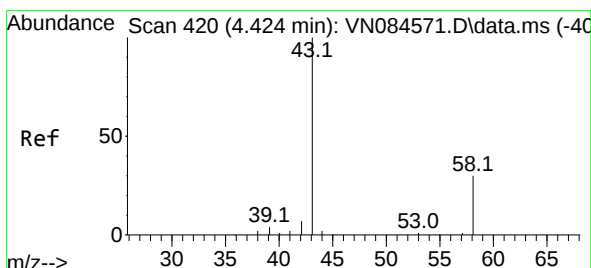
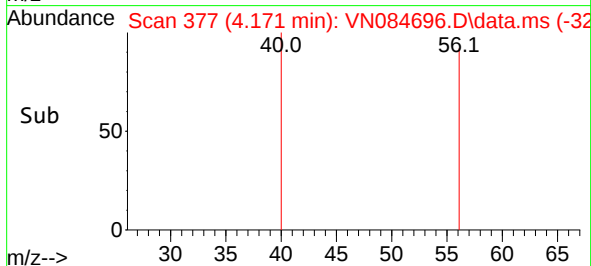
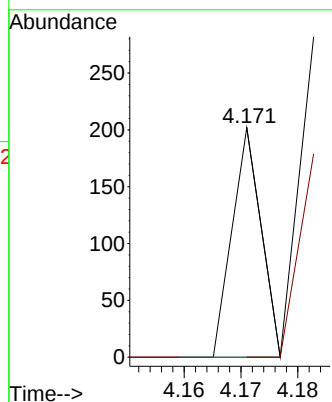
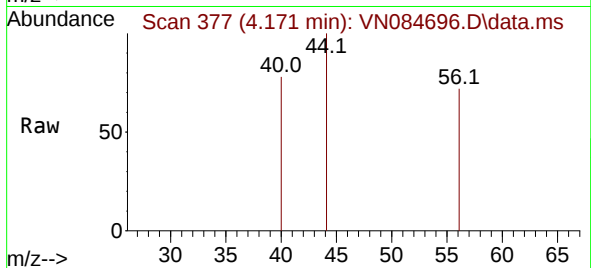
ClientSampleId :

Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 88.7 57.2 85.8#



#16

Acetone

Concen: 51.086 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084696.D

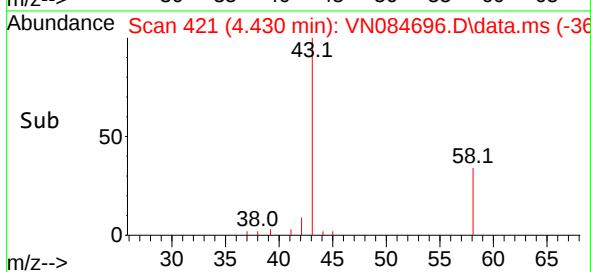
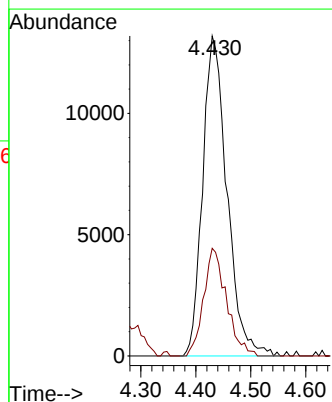
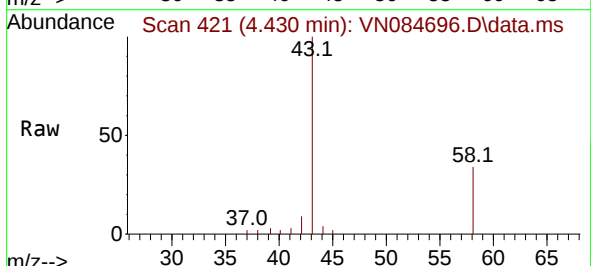
Acq: 05 Nov 2024 18:36

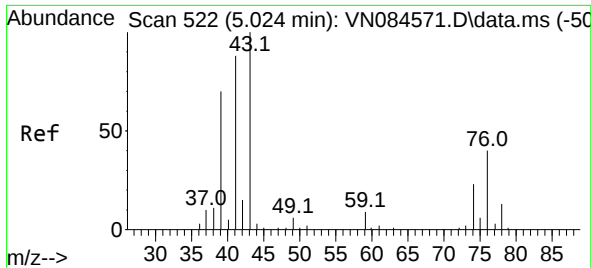
Tgt Ion: 43 Resp: 40596

Ion Ratio Lower Upper

43 100

58 33.7 24.4 36.6

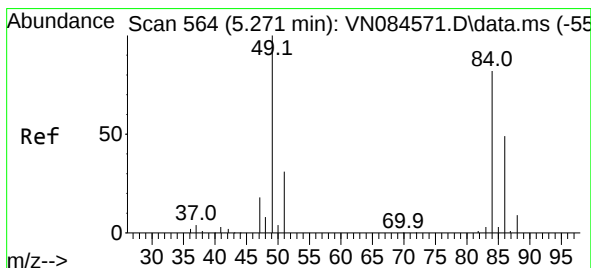
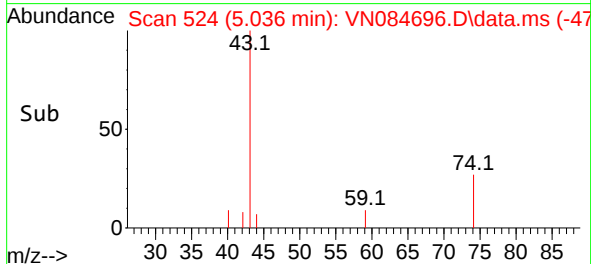
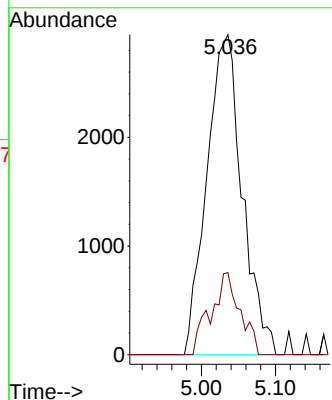
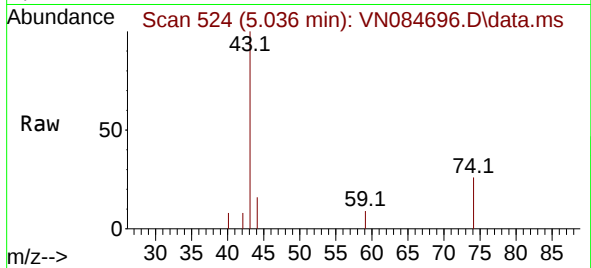




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

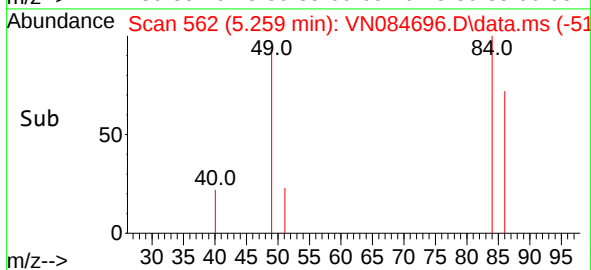
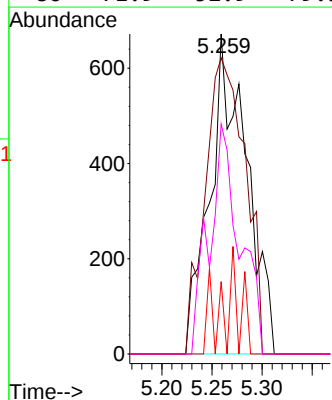
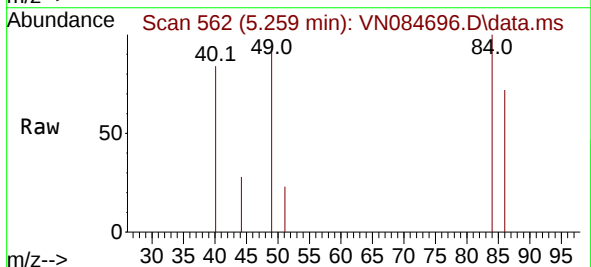
Instrument :
MSVOA_N
ClientSampleId :

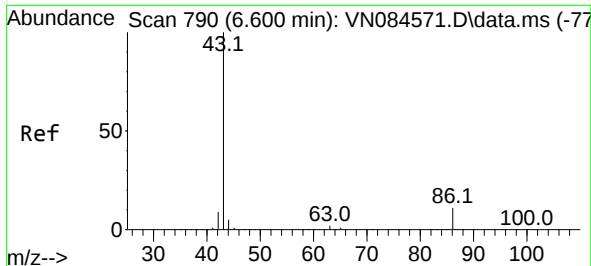
Tgt Ion: 43 Resp: 9771
Ion Ratio Lower Upper
43 100
74 21.1 19.2 28.8



#20
Methylene Chloride
Concen: 0.739 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

Tgt Ion: 84 Resp: 1713
Ion Ratio Lower Upper
84 100
49 92.6 107.2 160.8#
51 22.6 31.8 47.8#
86 71.9 52.9 79.3

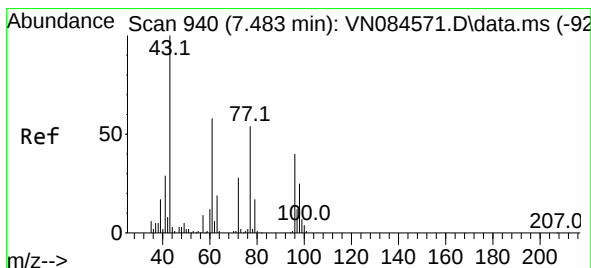
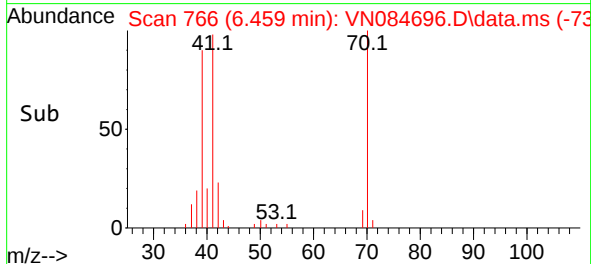
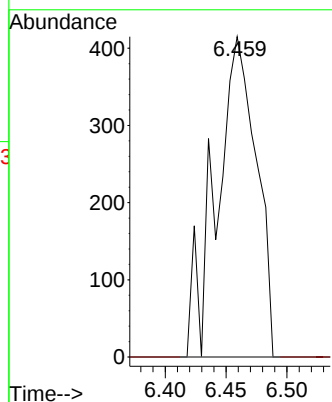
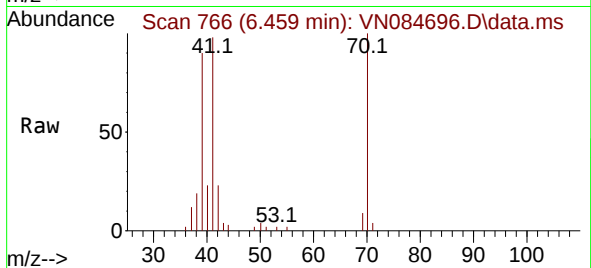




#23
 Vinyl Acetate
 Concen: 0.206 ug/l
 RT: 6.459 min Scan# 70
 Delta R.T. -0.141 min
 Lab File: VN084696.D
 Acq: 05 Nov 2024 18:36

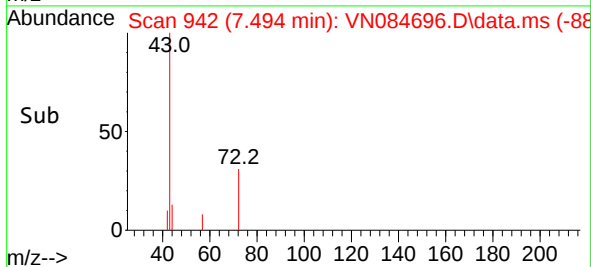
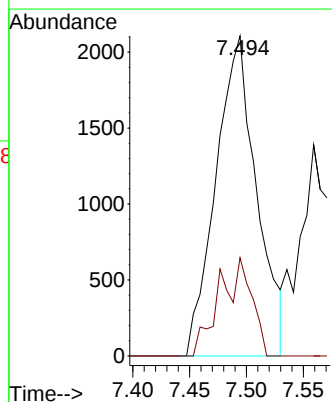
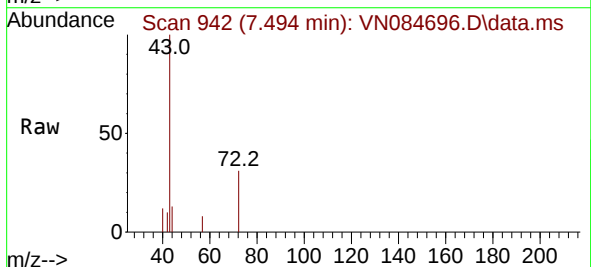
Instrument :
 MSVOA_N
 ClientSampleId :

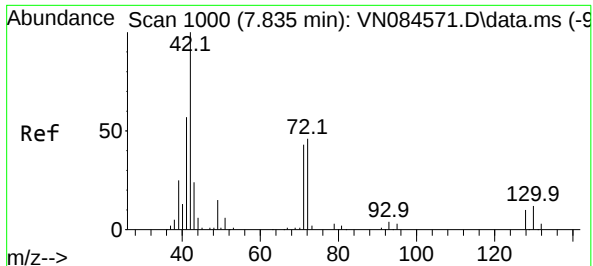
Tgt Ion: 43 Resp: 952
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 4.279 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.012 min
 Lab File: VN084696.D
 Acq: 05 Nov 2024 18:36

Tgt Ion: 43 Resp: 5258
 Ion Ratio Lower Upper
 43 100
 72 30.7 21.4 32.2





#29

Tetrahydrofuran

Concen: 0.607 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.012 min

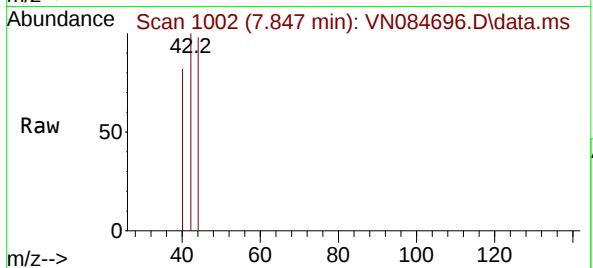
Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

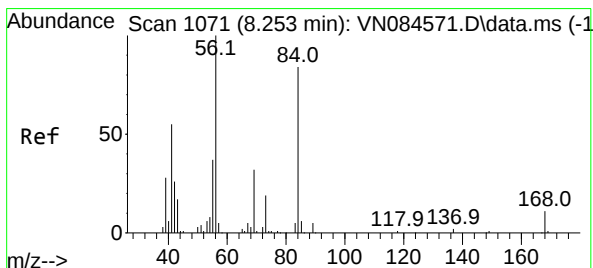
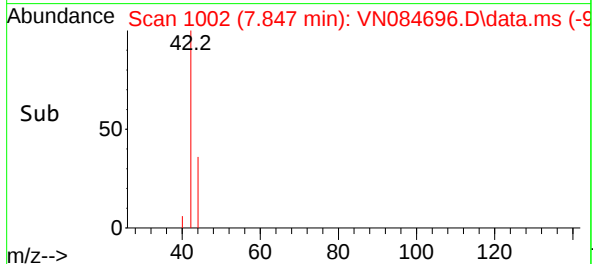
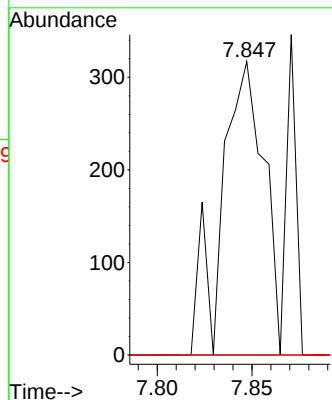
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	495
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.084 ug/l

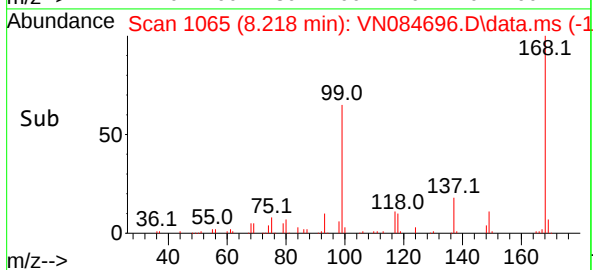
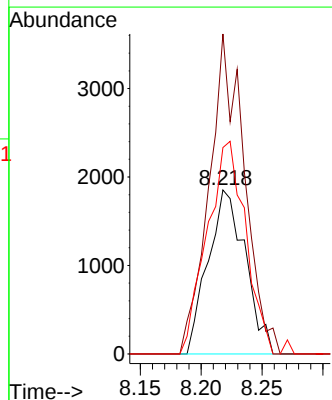
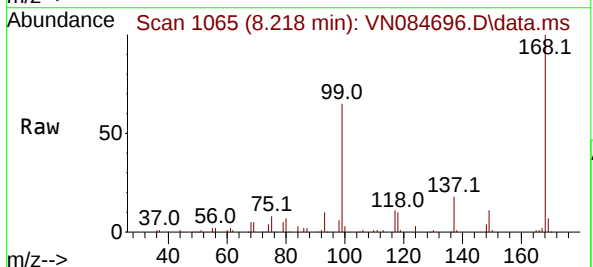
RT: 8.218 min Scan# 1065

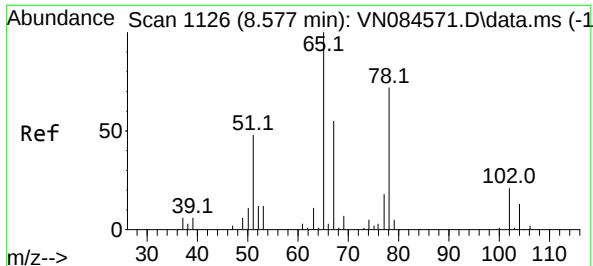
Delta R.T. -0.035 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

Tgt Ion:	56	Resp:	3941
Ion	Ratio	Lower	Upper
56	100		
69	195.2	23.8	35.6#
84	125.9	68.8	103.2#

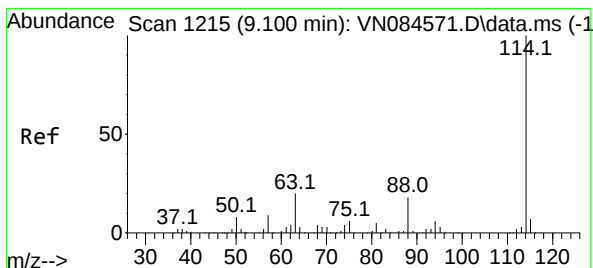
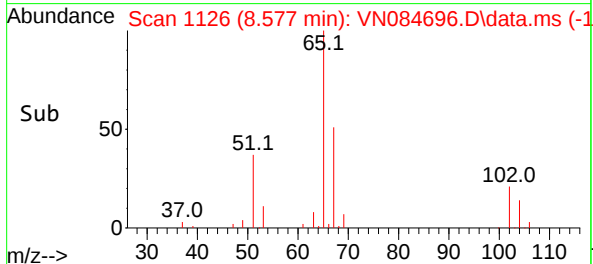
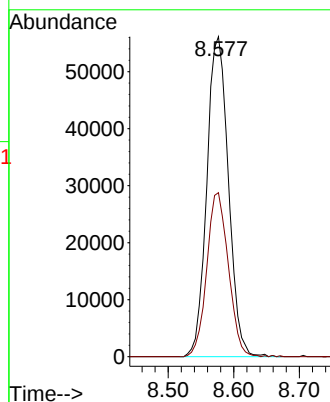
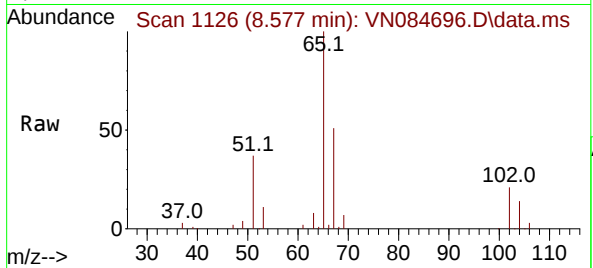




#33
1,2-Dichloroethane-d4
Concen: 48.791 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

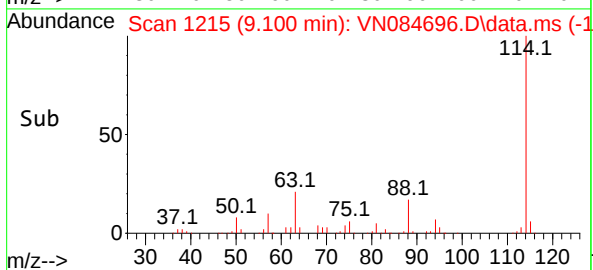
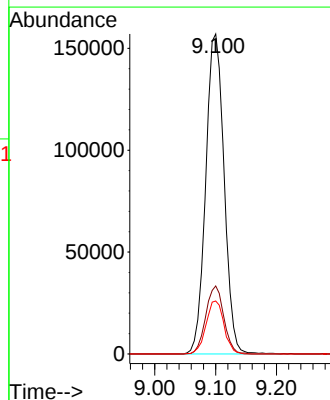
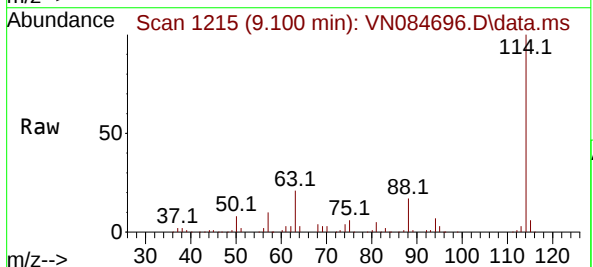
Instrument :
MSVOA_N
ClientSampleId :

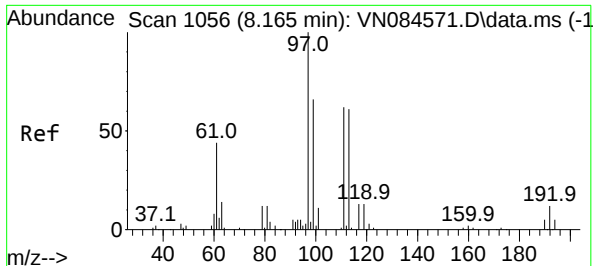
Tgt Ion: 65 Resp: 128515
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

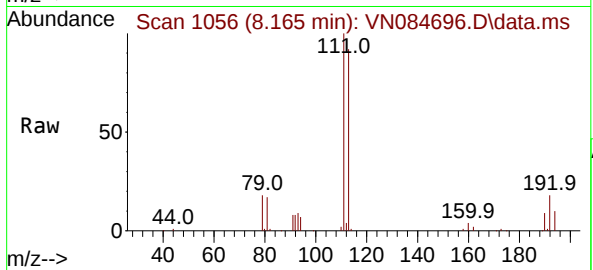
Tgt Ion: 114 Resp: 329236
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.8
88 16.6 0.0 31.6



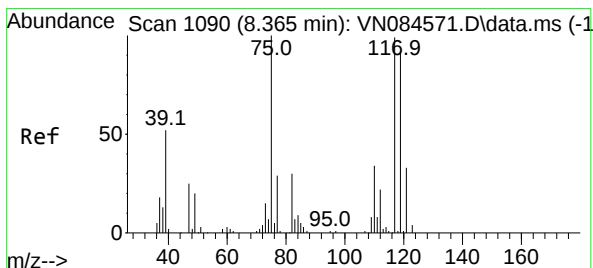
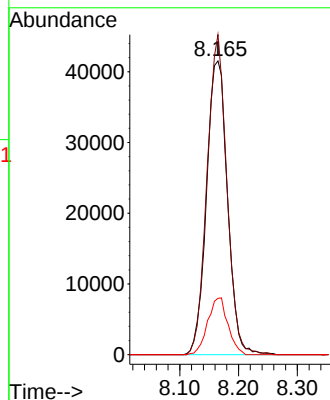
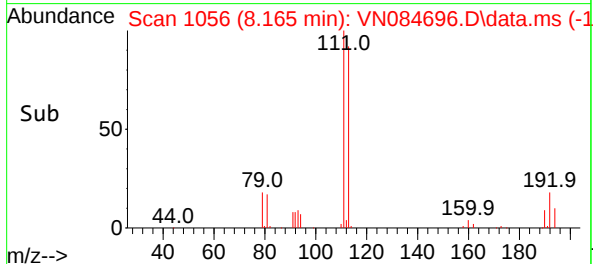


#35
Dibromofluoromethane
Concen: 46.332 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

Instrument :
MSVOA_N
ClientSampleId :

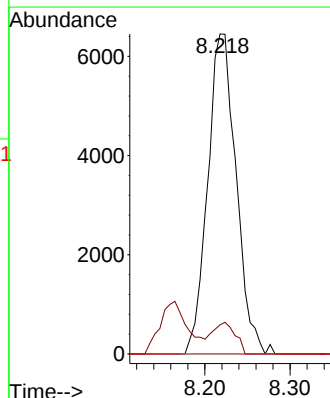
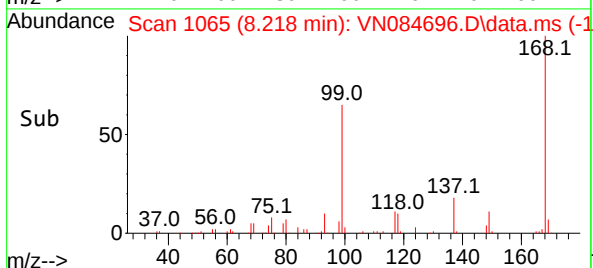
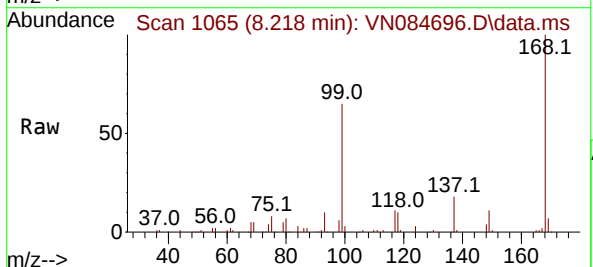


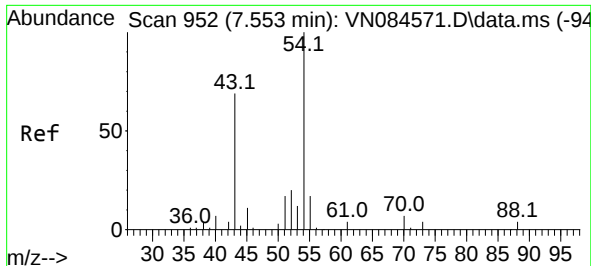
Tgt Ion:113 Resp: 103253
Ion Ratio Lower Upper
113 100
111 102.6 83.3 124.9
192 18.6 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.845 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

Tgt Ion: 75 Resp: 14974
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.932 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

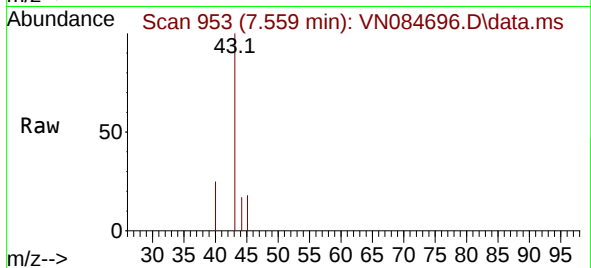
Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

Instrument :

MSVOA_N

ClientSampleId :



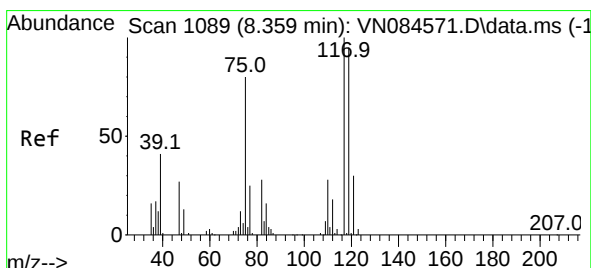
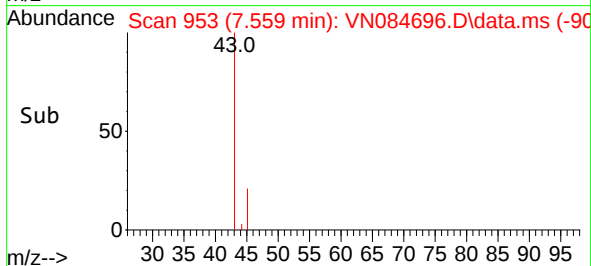
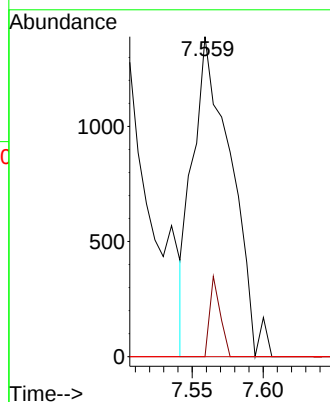
Tgt Ion: 43 Resp: 2613

Ion Ratio Lower Upper

43 100

61 6.9 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.676 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

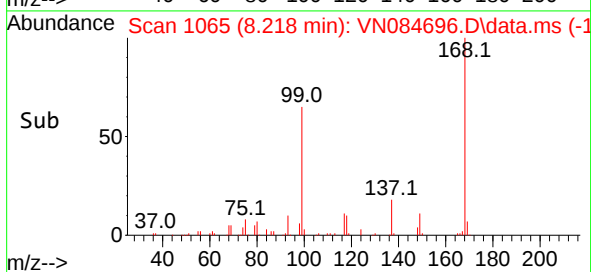
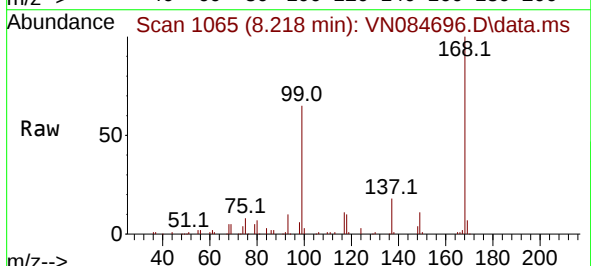
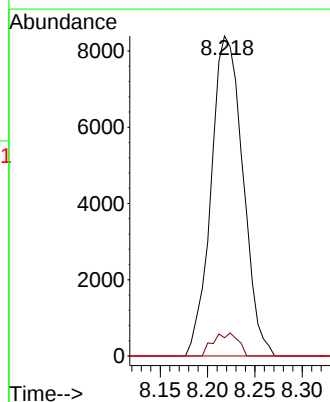
Tgt Ion: 117 Resp: 19609

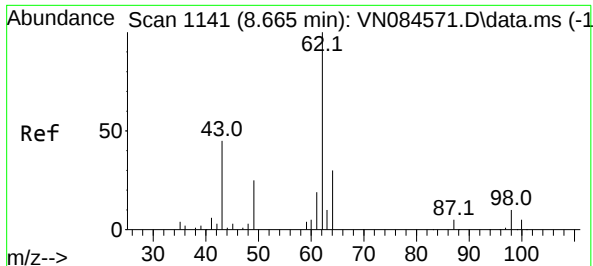
Ion Ratio Lower Upper

117 100

119 5.7 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.220 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

Instrument :

MSVOA_N

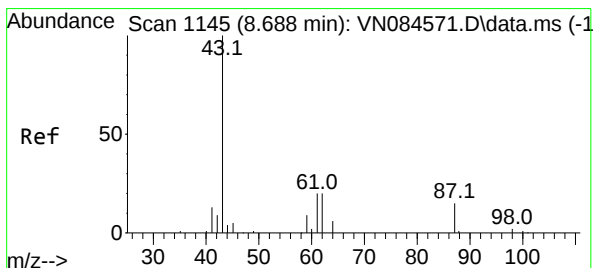
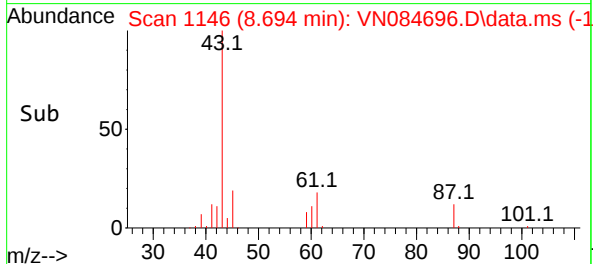
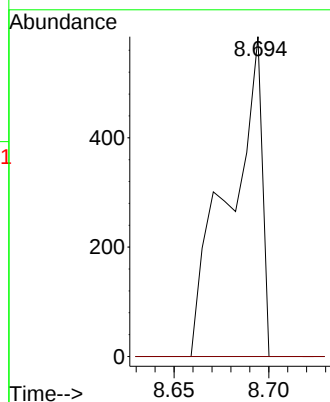
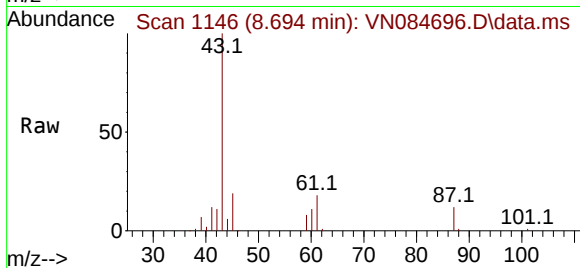
ClientSampleId :

Tgt Ion: 62 Resp: 708

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 26.688 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

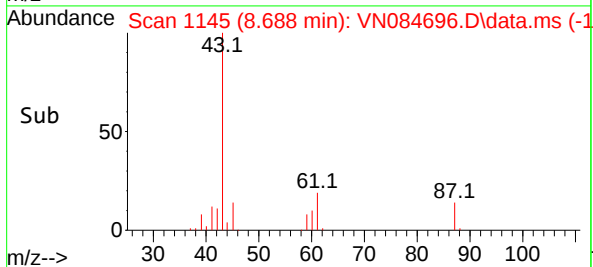
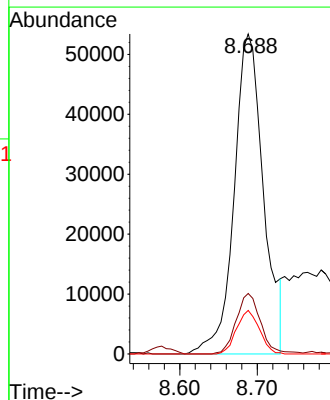
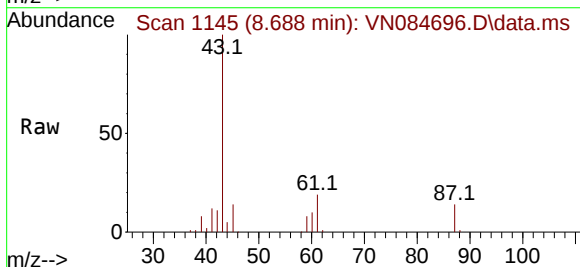
Tgt Ion: 43 Resp: 140586

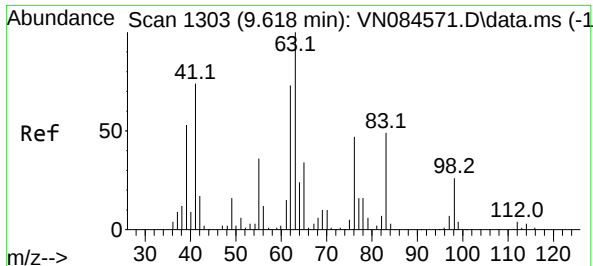
Ion Ratio Lower Upper

43 100

61 15.7 20.4 30.6#

87 10.6 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.483 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

Instrument :

MSVOA_N

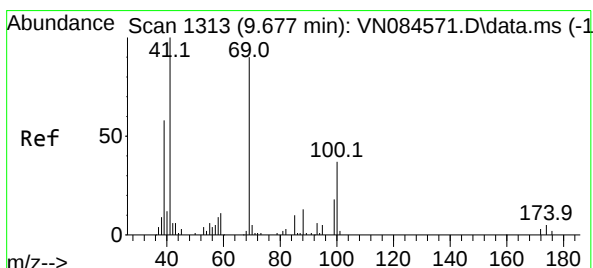
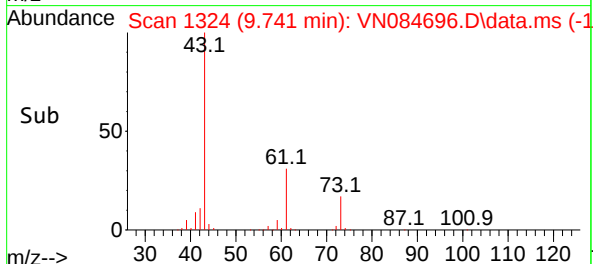
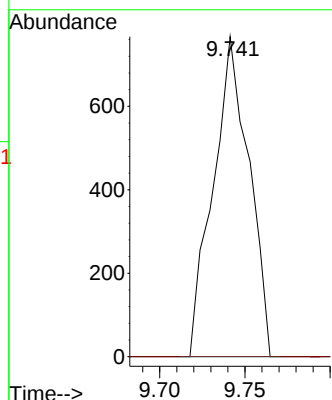
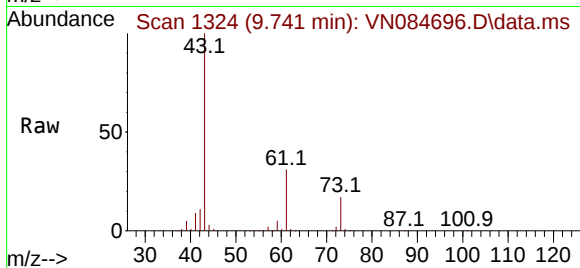
ClientSampleId :

Tgt Ion: 63 Resp: 1125

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.304 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

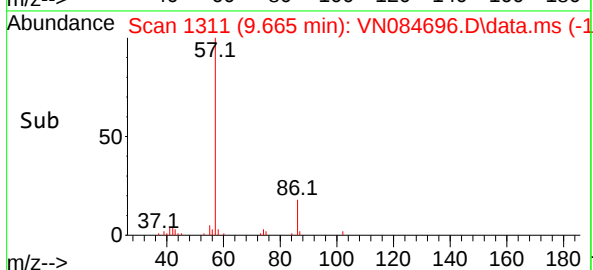
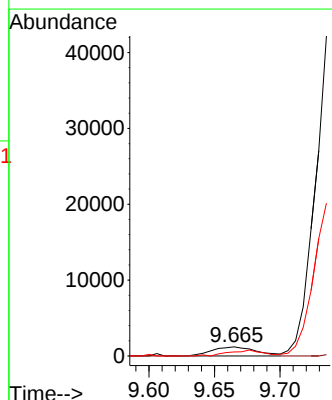
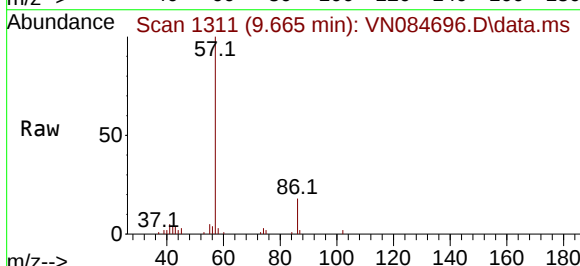
Tgt Ion: 41 Resp: 2845

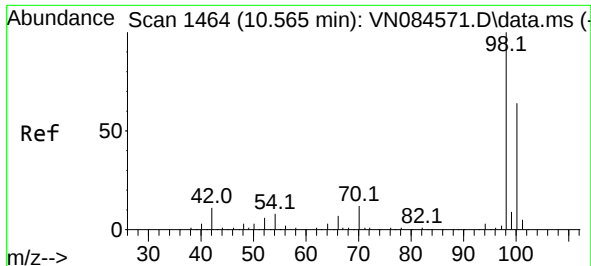
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 47.9 45.8 68.6

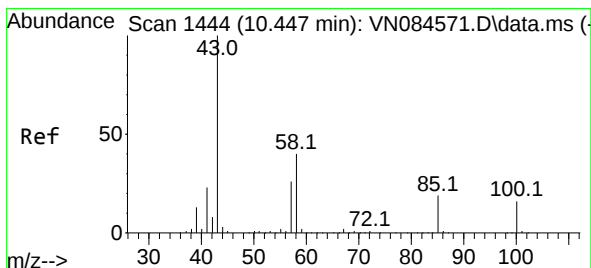
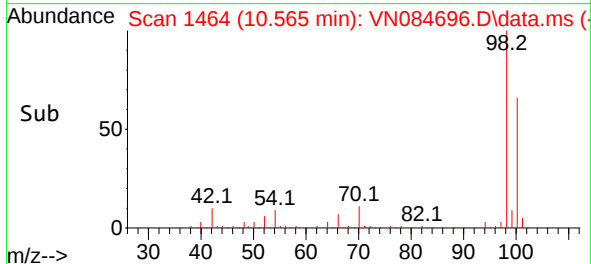
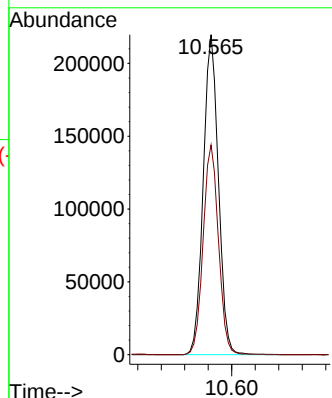
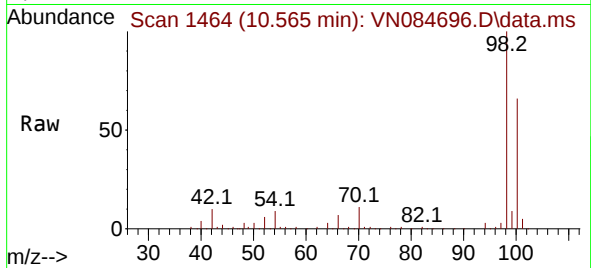




#50
Toluene-d8
Concen: 47.820 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

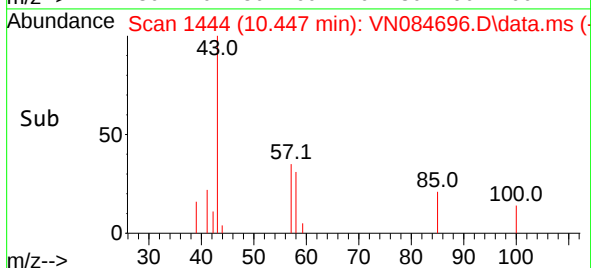
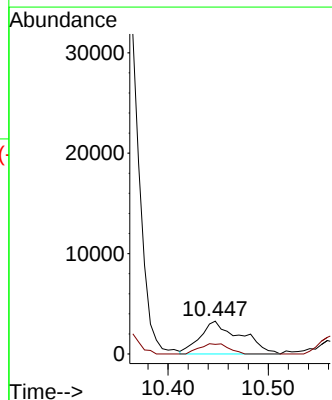
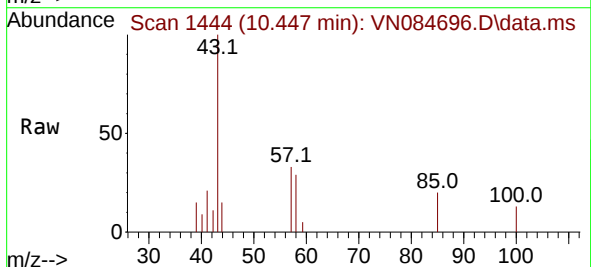
Instrument :
MSVOA_N
ClientSampleId :

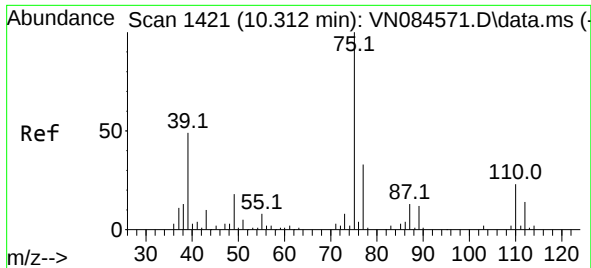
Tgt Ion: 98 Resp: 392561
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.424 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

Tgt Ion: 43 Resp: 9152
Ion Ratio Lower Upper
43 100
58 22.4 31.6 47.4#

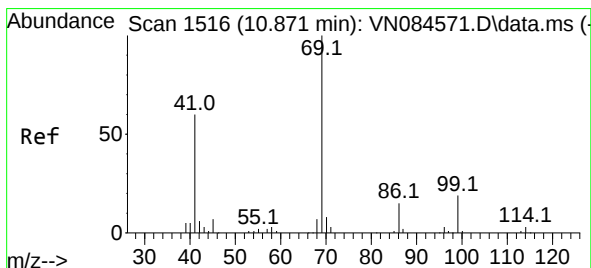
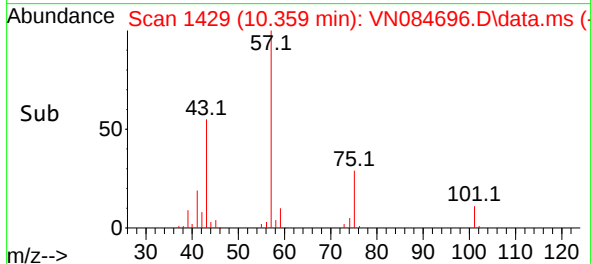
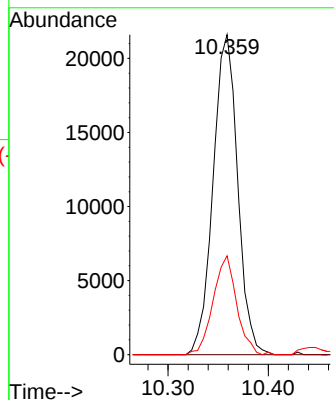
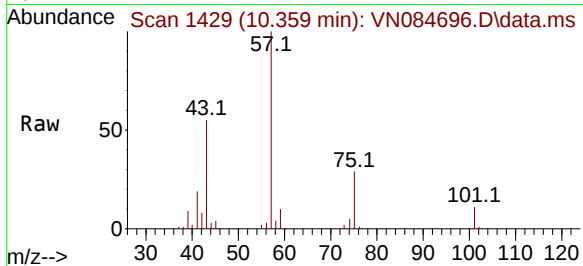




#54
 cis-1,3-Dichloropropene
 Concen: 9.678 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084696.D
 Acq: 05 Nov 2024 18:36

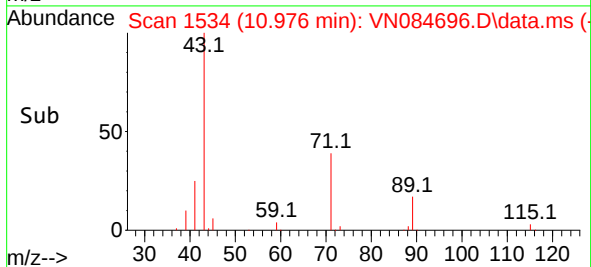
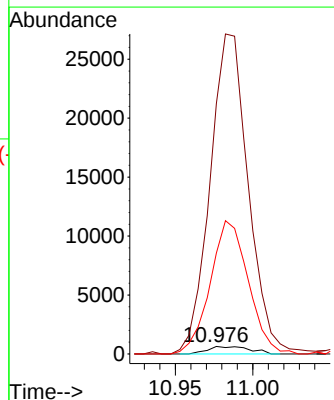
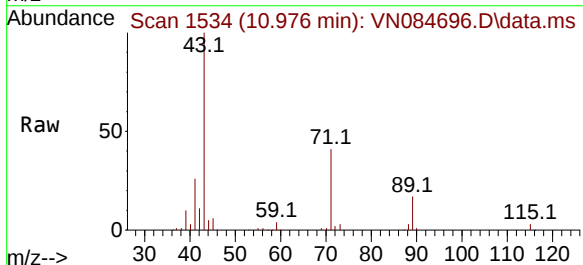
Instrument :
 MSVOA_N
 ClientSampleId :

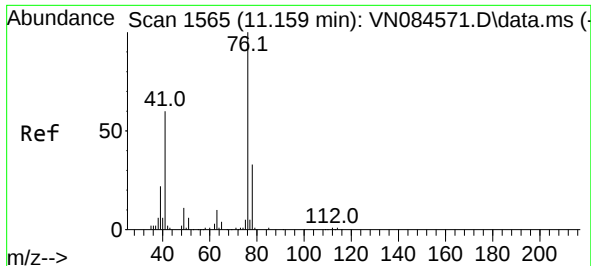
Tgt Ion: 75 Resp: 36722
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 30.9 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.377 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN084696.D
 Acq: 05 Nov 2024 18:36

Tgt Ion: 69 Resp: 1191
 Ion Ratio Lower Upper
 69 100
 41 3923.2 53.3 79.9#
 39 1620.7 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.152 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

Instrument :

MSVOA_N

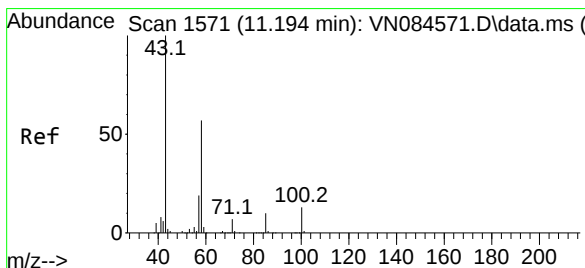
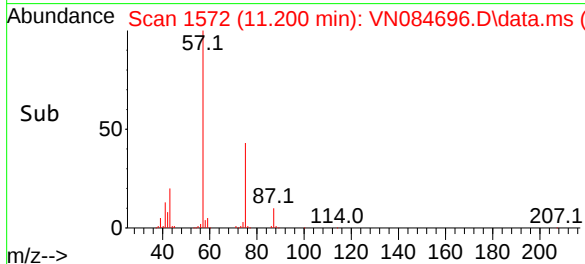
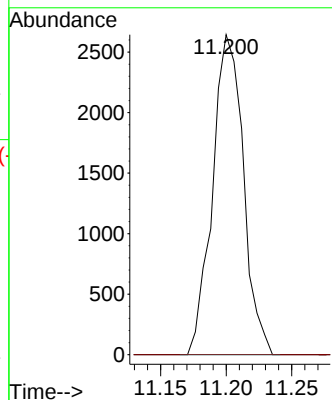
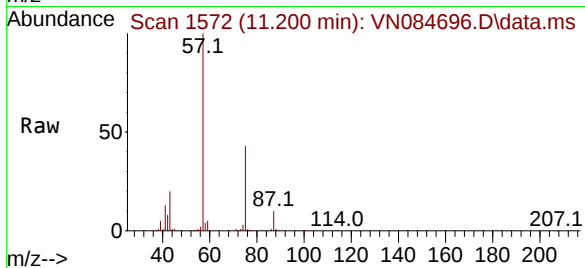
ClientSampleId :

Tgt Ion: 76 Resp: 4325

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.829 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084696.D

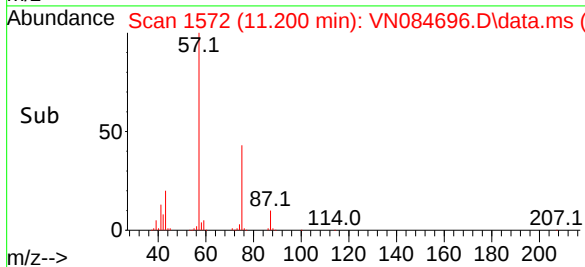
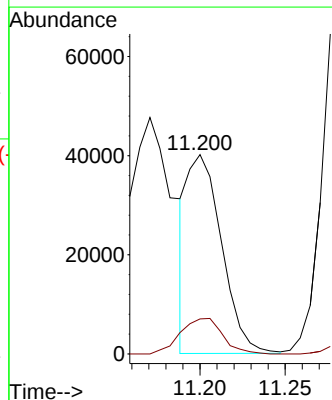
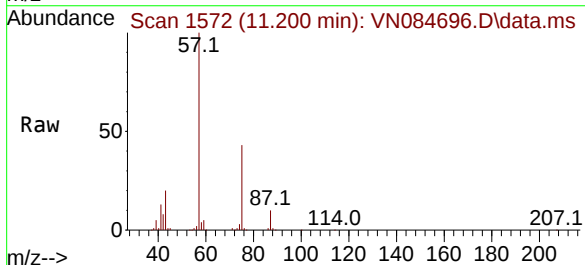
Acq: 05 Nov 2024 18:36

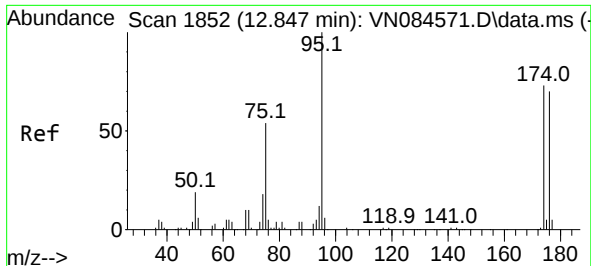
Tgt Ion: 43 Resp: 56095

Ion Ratio Lower Upper

43 100

58 22.0 27.3 81.8#

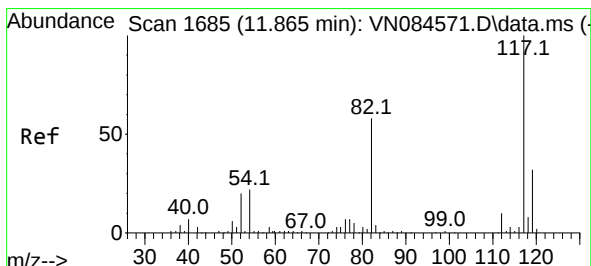
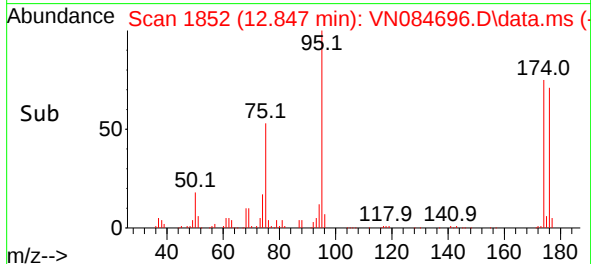
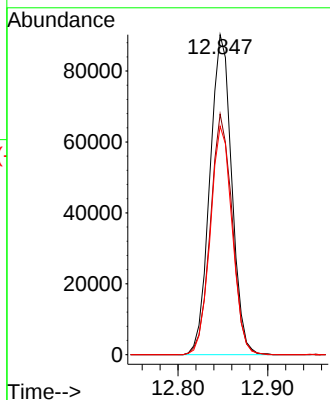
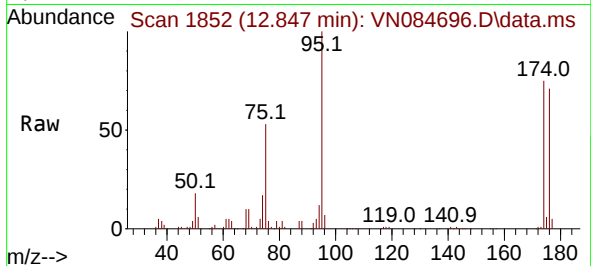




#62
4-Bromofluorobenzene
Concen: 49.680 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

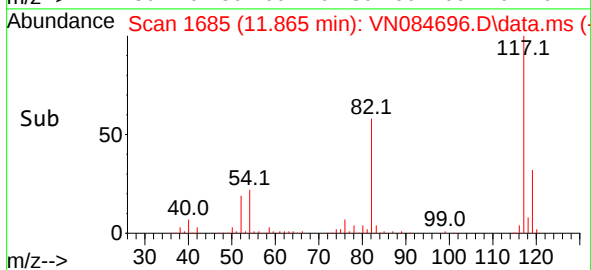
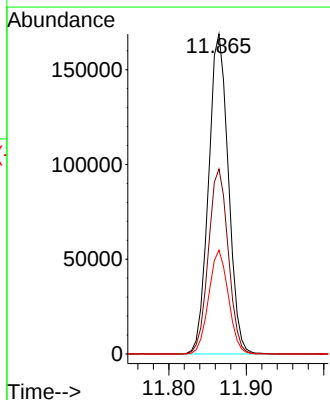
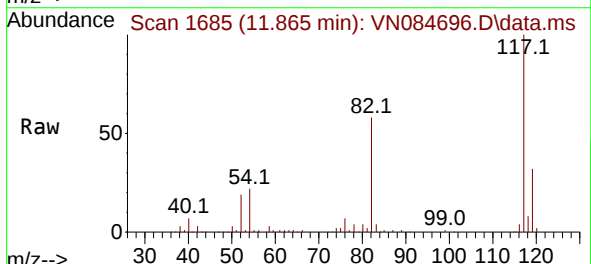
Instrument :
MSVOA_N
ClientSampleId :

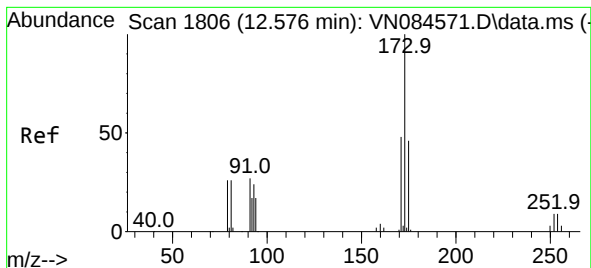
Tgt Ion: 95 Resp: 152421
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.2
176 71.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

Tgt Ion: 117 Resp: 299661
Ion Ratio Lower Upper
117 100
82 57.8 47.2 70.8
119 32.5 25.4 38.0





#71

Bromoform

Concen: 0.231 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN084696.D

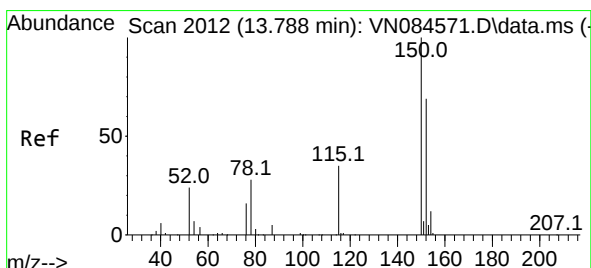
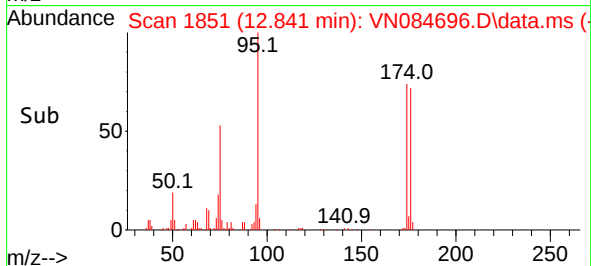
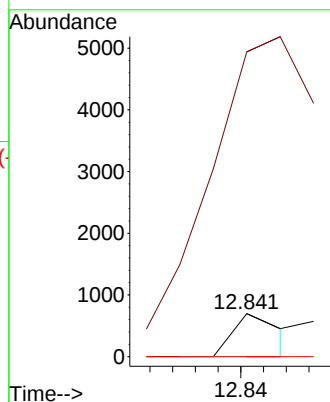
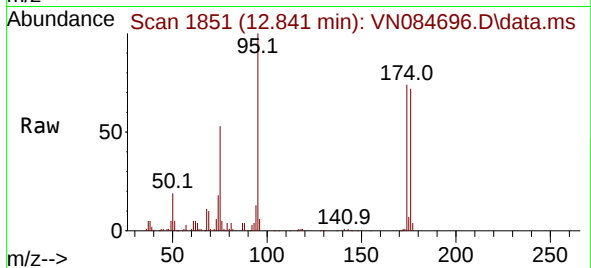
Acq: 05 Nov 2024 18:36

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	405
Ion Ratio	Lower	Upper	
173	100		
175	1674.1	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

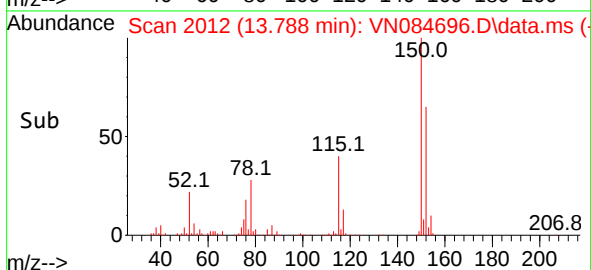
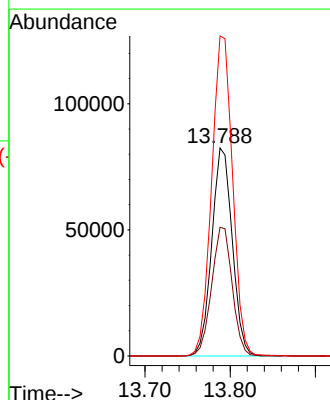
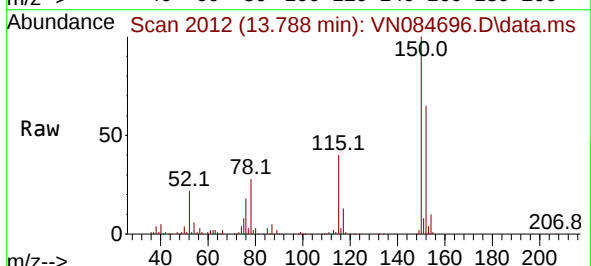
RT: 13.788 min Scan# 1212

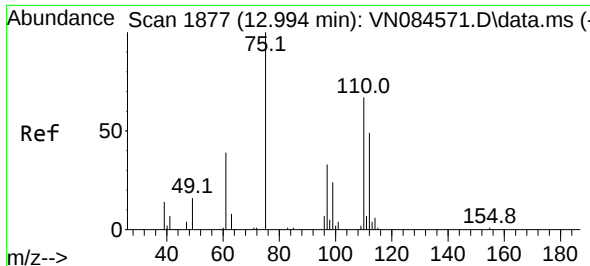
Delta R.T. 0.000 min

Lab File: VN084696.D

Acq: 05 Nov 2024 18:36

Tgt Ion:	152	Resp:	137904
Ion Ratio	Lower	Upper	
152	100		
115	62.1	31.3	93.9
150	157.0	0.0	349.8

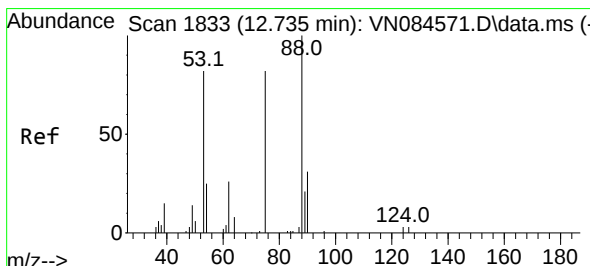
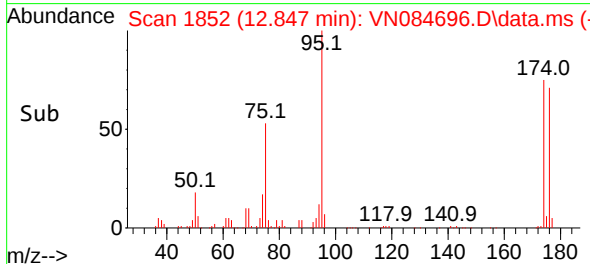
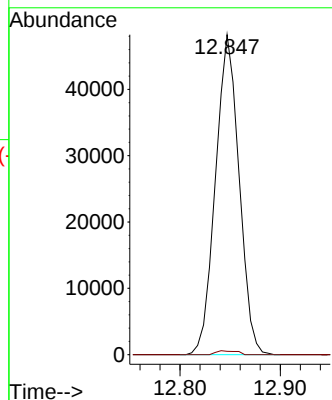
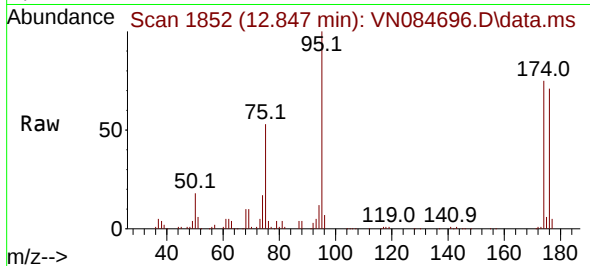




#76
1,2,3-Trichloropropane
Concen: 28.626 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

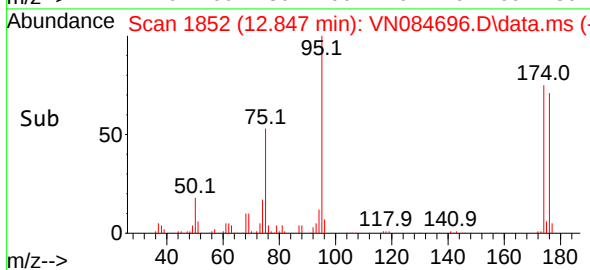
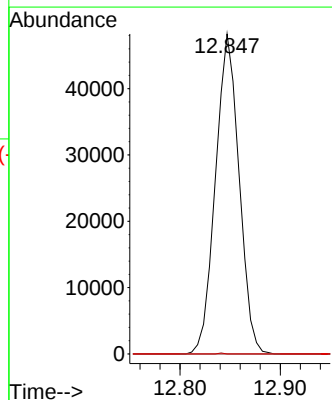
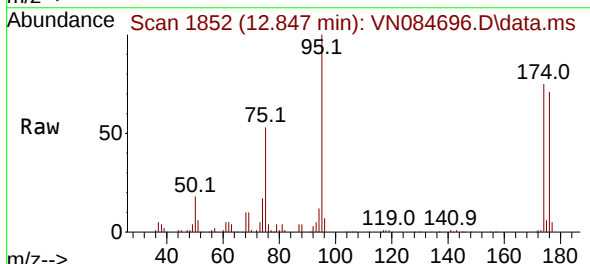
Instrument :
MSVOA_N
ClientSampleId :

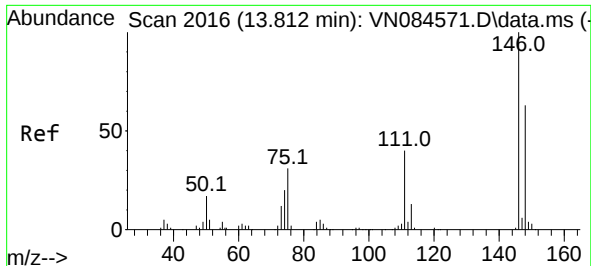
Tgt Ion: 75 Resp: 78911
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.912 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

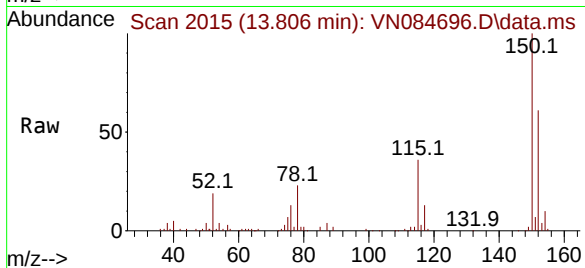
Tgt Ion: 75 Resp: 78911
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#



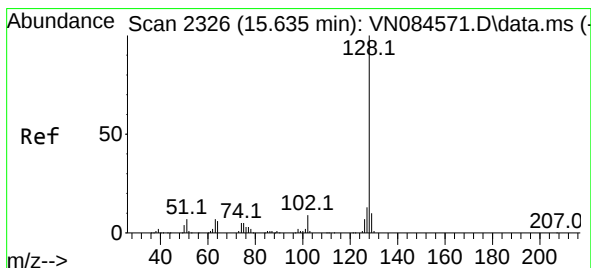
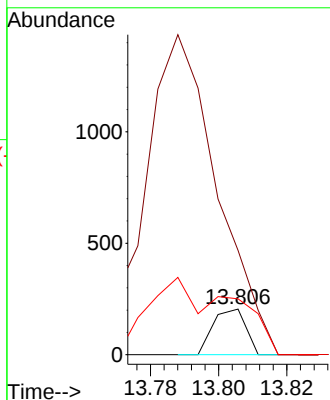
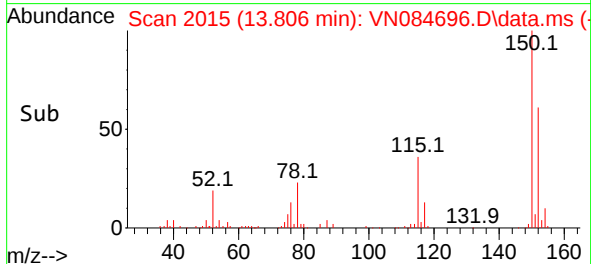


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36

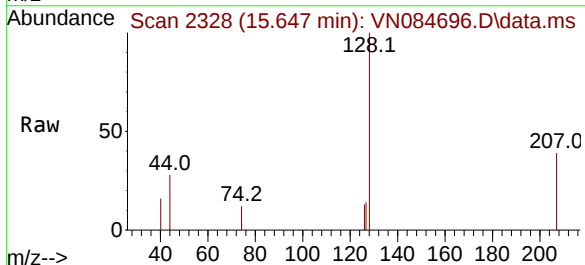
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 136
Ion Ratio Lower Upper
146 100
111 1548.5 21.2 63.6#
148 430.1 31.9 95.9#



#95
Naphthalene
Concen: 0.269 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN084696.D
Acq: 05 Nov 2024 18:36



Tgt Ion:128 Resp: 2144
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 4.4 8.7 13.1#

