

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
 Data File : VN084559.D
 Acq On : 29 Oct 2024 13:17
 Operator : JC\MD
 Sample : P4561-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:01:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

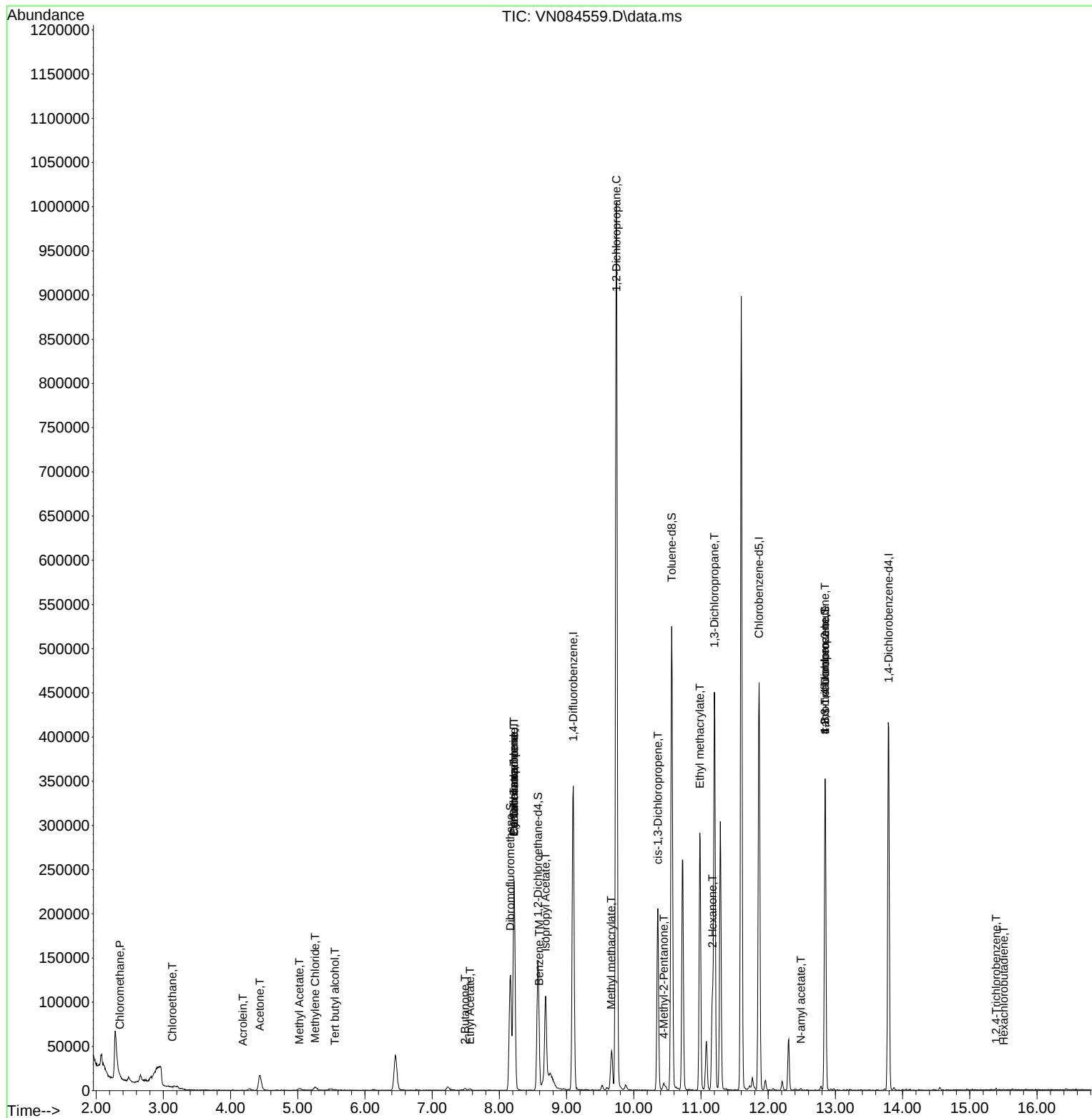
Internal Standards						
1) Pentafluorobenzene	8.218	168	166163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120394	48.868	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.740%
35) Dibromofluoromethane	8.165	113	96413	49.692	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.380%
50) Toluene-d8	10.565	98	359587	50.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.847	95	124675	47.942	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	675	0.301	ug/l #	41
6) Chloroethane	3.136	64	513	0.330	ug/l #	45
11) Tert butyl alcohol	5.553	59	537	1.322	ug/l #	73
13) Acrolein	4.183	56	302	0.648	ug/l #	36
16) Acetone	4.436	43	33136	31.309	ug/l #	87
18) Methyl Acetate	5.024	43	4338	1.881	ug/l #	87
20) Methylene Chloride	5.259	84	2897	1.347	ug/l	87
25) 2-Butanone	7.488	43	3809	2.642	ug/l #	79
31) Cyclohexane	8.218	56	3807	1.043	ug/l #	17
36) 1,1-Dichloropropene	8.218	75	14417	5.116	ug/l #	51
37) Ethyl Acetate	7.565	43	2820	0.975	ug/l #	90
38) Carbon Tetrachloride	8.218	117	18502	5.985	ug/l #	18
40) Benzene	8.594	78	3194	0.364	ug/l	95
43) Isopropyl Acetate	8.688	43	130910	23.116	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1331	0.641	ug/l #	44
48) Methyl methacrylate	9.665	41	3014	1.337	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	8647	3.142	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	36581	10.713	ug/l #	61
56) Ethyl methacrylate	10.982	69	1272	0.403	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4601	1.341	ug/l #	42
59) 2-Hexanone	11.171	43	91200	44.333	ug/l #	24
74) N-amyl acetate	12.488	43	1147	0.294	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	64743	28.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64743	67.384	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	429	0.228	ug/l	85
94) Hexachlorobutadiene	15.506	225	292	0.311	ug/l #	29

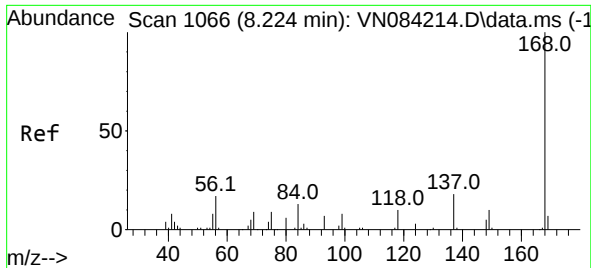
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
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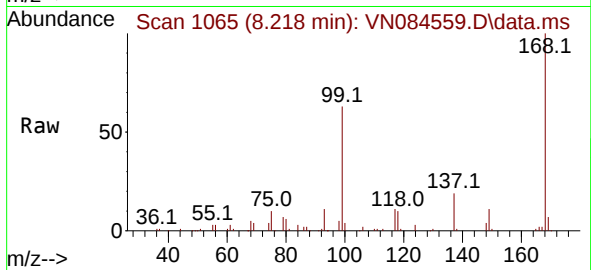
Quant Time: Oct 30 05:01:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
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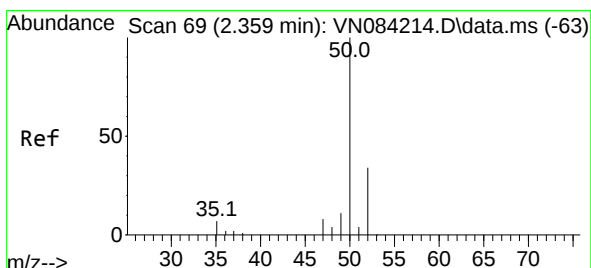
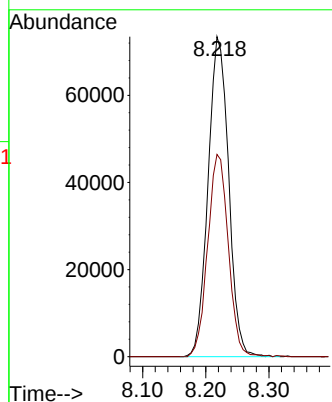
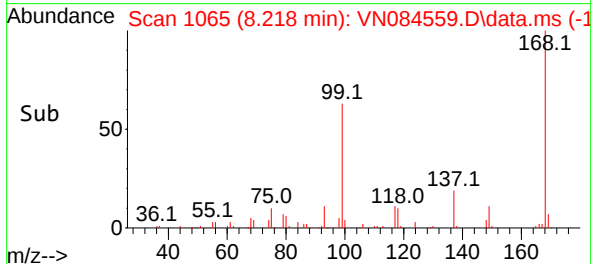


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :

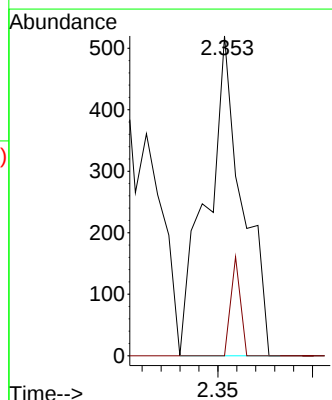
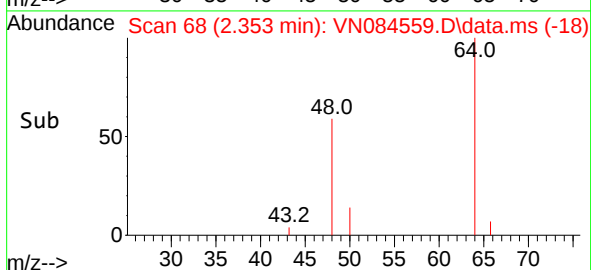
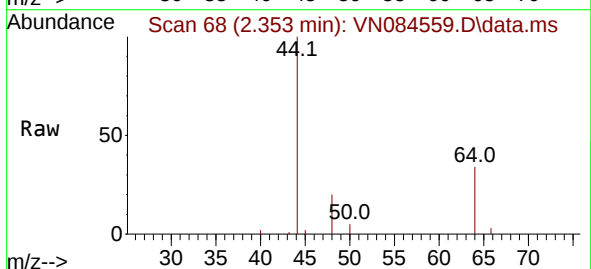


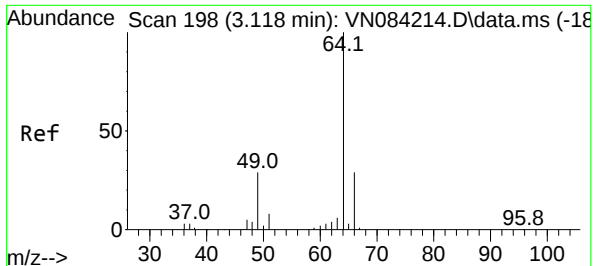
Tgt Ion:168 Resp: 166163
Ion Ratio Lower Upper
168 100
99 63.2 54.2 81.2



#3
Chloromethane
Concen: 0.301 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

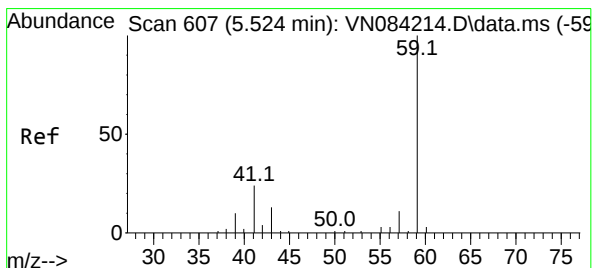
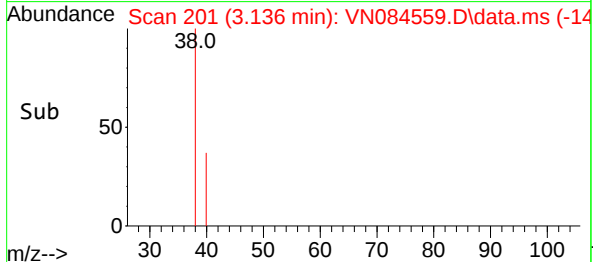
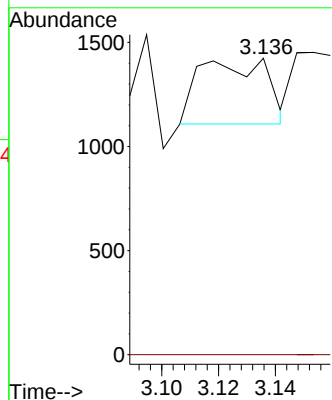
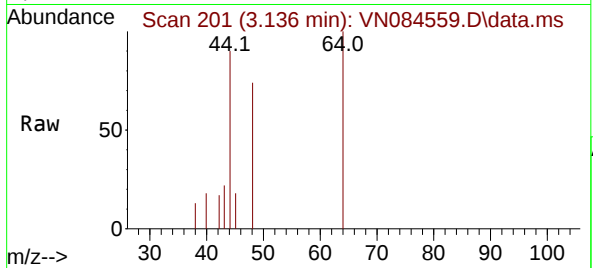




#6
Chloroethane
Concen: 0.330 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

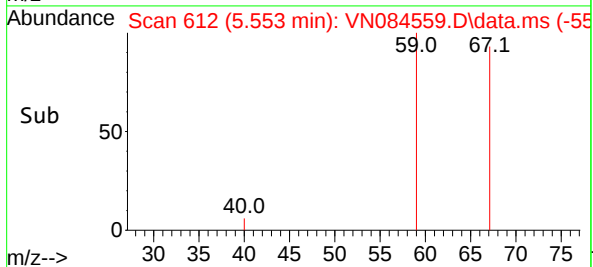
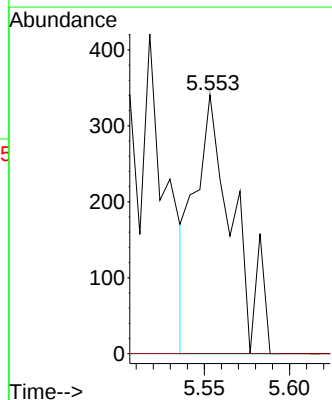
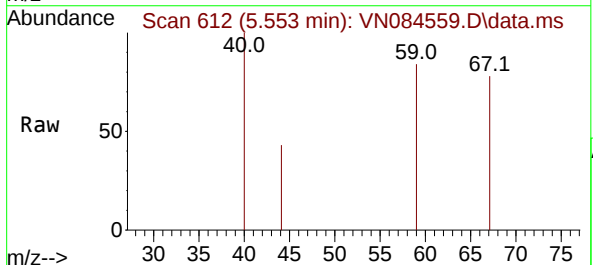
Instrument :
MSVOA_N
ClientSampleId :

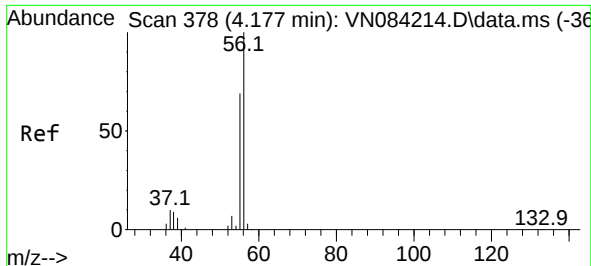
Tgt Ion: 64 Resp: 513
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.322 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.029 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 59 Resp: 537
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.648 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

Instrument :

MSVOA_N

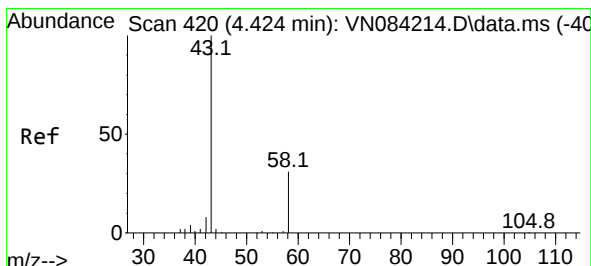
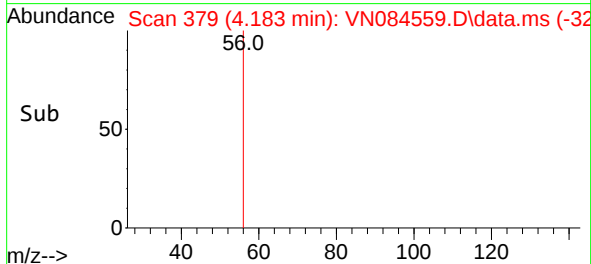
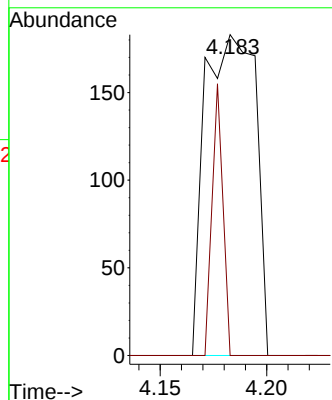
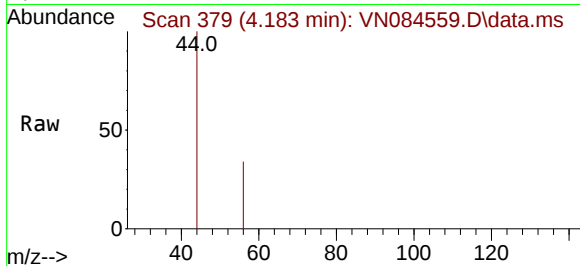
ClientSampleId :

Tgt Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 18.2 57.2 85.8#



#16

Acetone

Concen: 31.309 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN084559.D

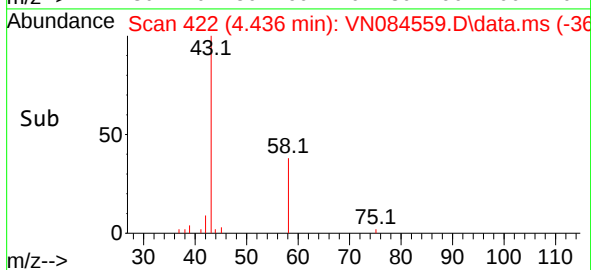
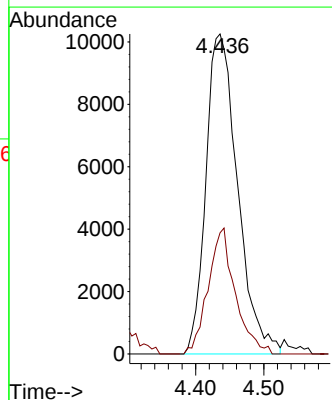
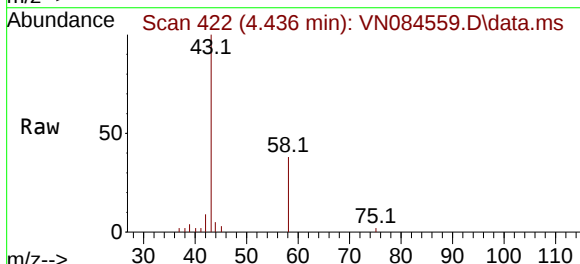
Acq: 29 Oct 2024 13:17

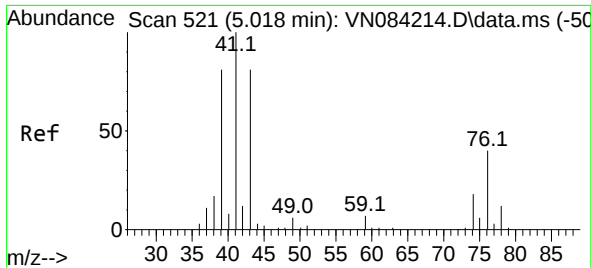
Tgt Ion: 43 Resp: 33136

Ion Ratio Lower Upper

43 100

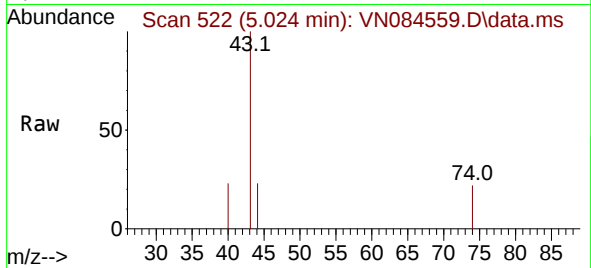
58 37.8 24.4 36.6#



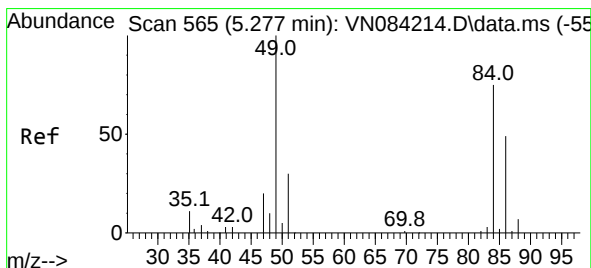
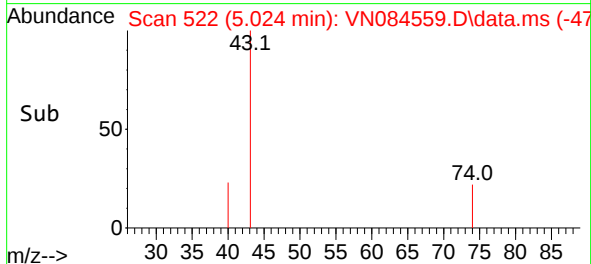
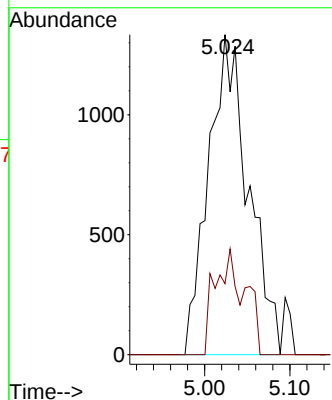


#18
Methyl Acetate
Concen: 1.881 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :

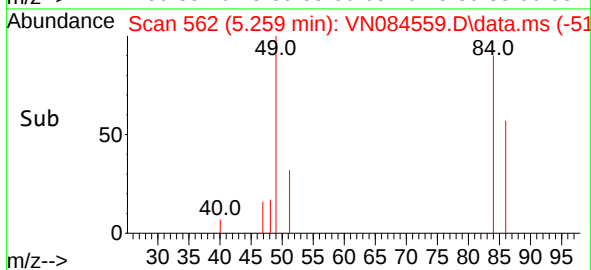
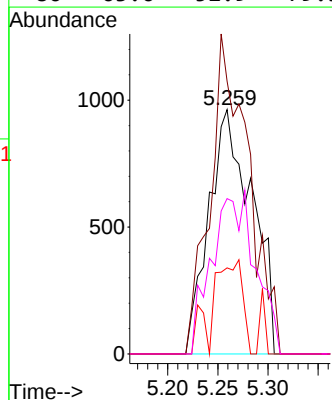
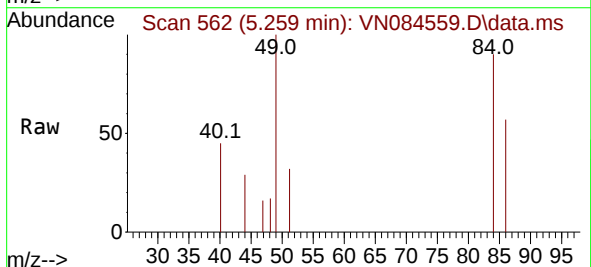


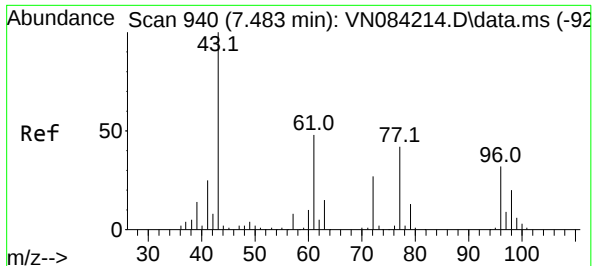
Tgt Ion: 43 Resp: 4338
Ion Ratio Lower Upper
43 100
74 17.7 19.2 28.8#



#20
Methylene Chloride
Concen: 1.347 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 84 Resp: 2897
Ion Ratio Lower Upper
84 100
49 111.6 107.2 160.8
51 35.2 31.8 47.8
86 63.6 52.9 79.3

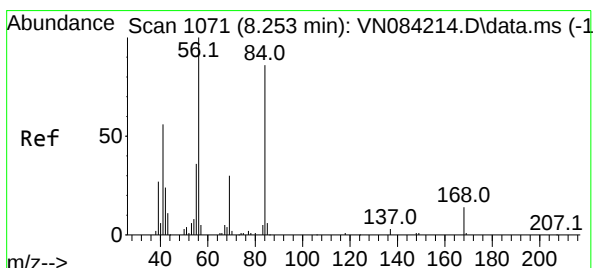
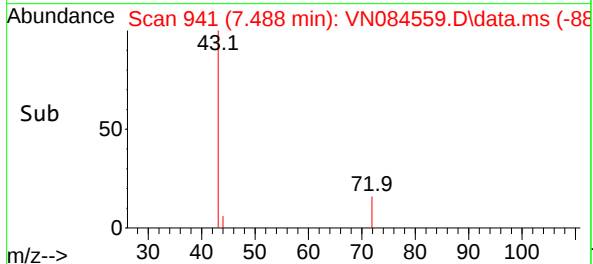
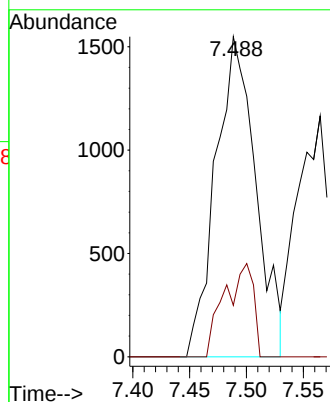
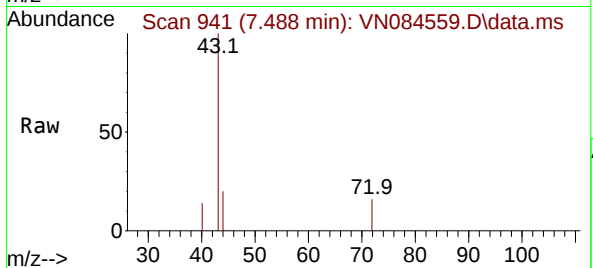




#25
2-Butanone
Concen: 2.642 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

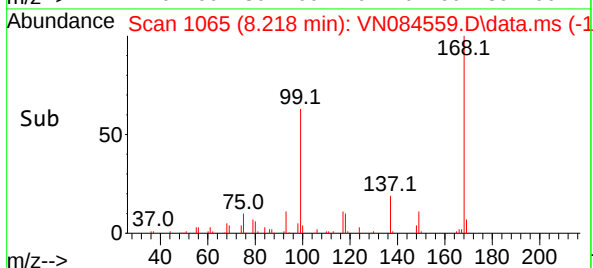
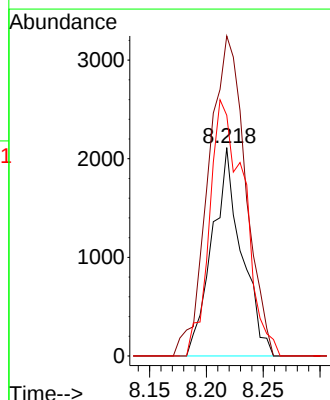
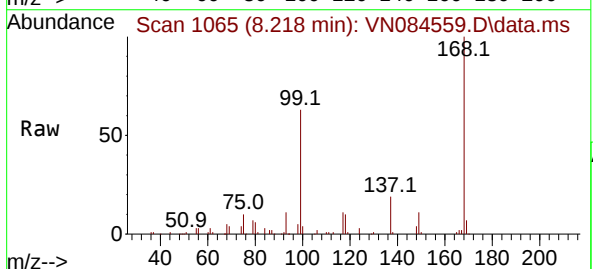
Instrument :
MSVOA_N
ClientSampleId :

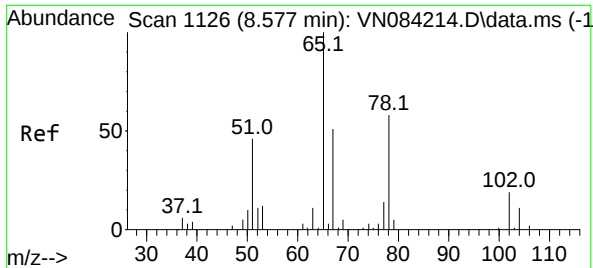
Tgt Ion: 43 Resp: 3809
Ion Ratio Lower Upper
43 100
72 16.1 21.4 32.2#



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 56 Resp: 3807
Ion Ratio Lower Upper
56 100
69 153.6 23.8 35.6#
84 115.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.868 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

Instrument :

MSVOA_N

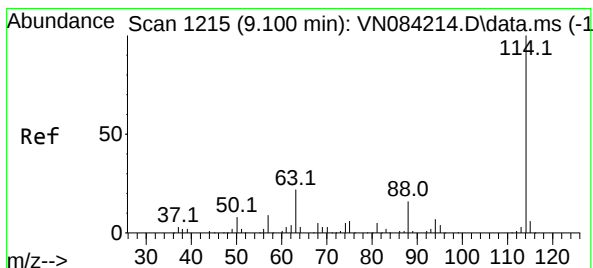
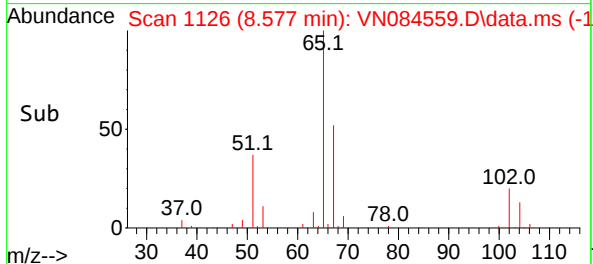
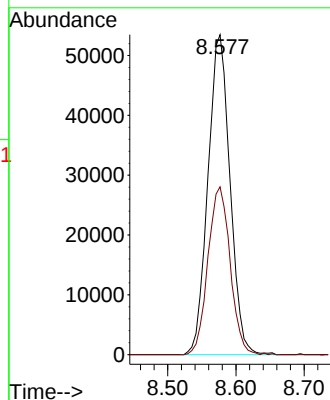
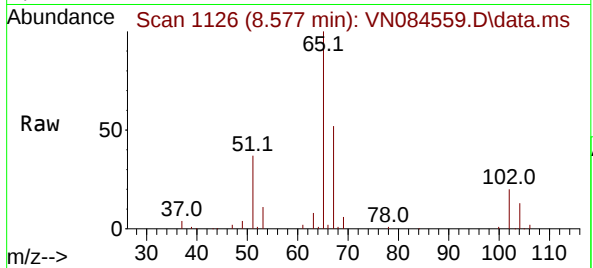
ClientSampleId :

Tgt Ion: 65 Resp: 120394

Ion Ratio Lower Upper

65 100

67 52.8 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: VN084559.D

Acq: 29 Oct 2024 13:17

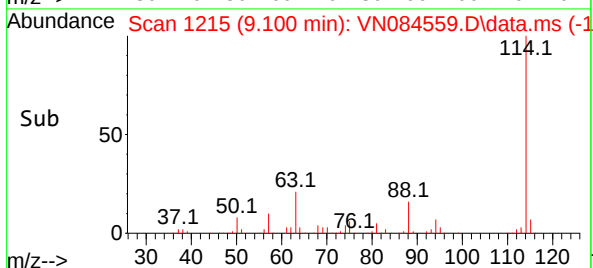
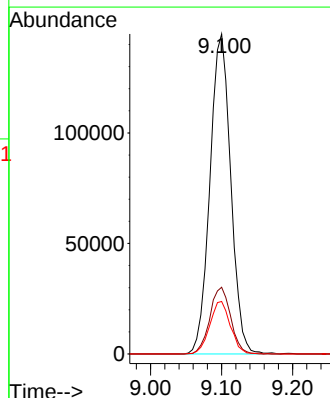
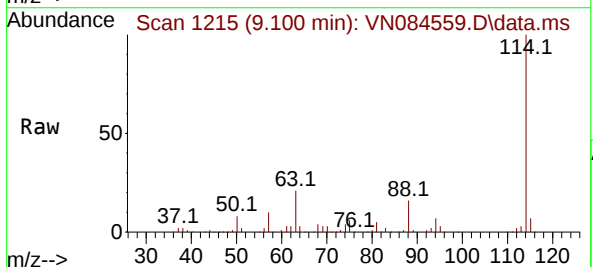
Tgt Ion: 114 Resp: 294300

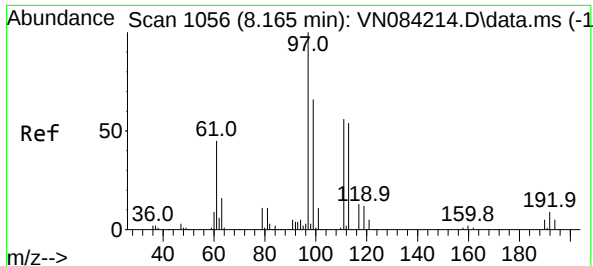
Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

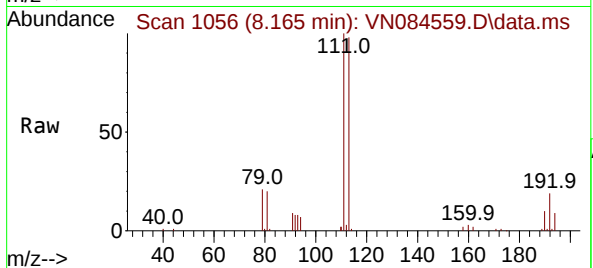
88 16.4 0.0 31.6



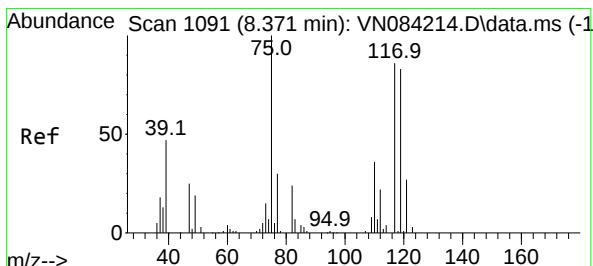
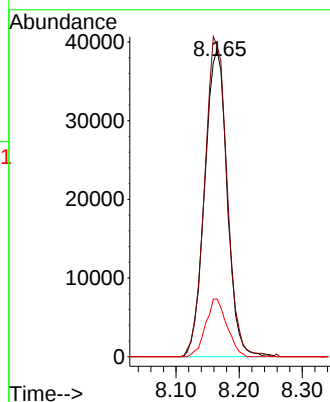
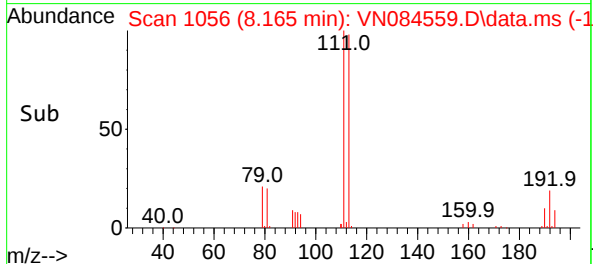


#35
Dibromofluoromethane
Concen: 49.692 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Instrument :
MSVOA_N
ClientSampleId :

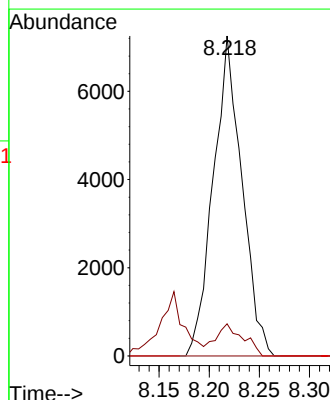
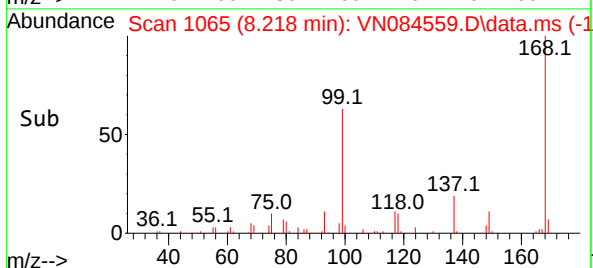
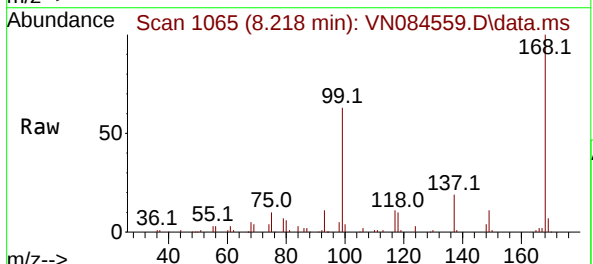


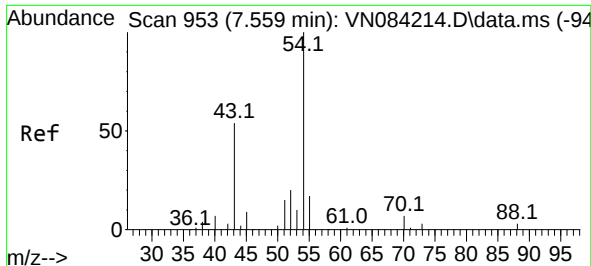
Tgt Ion:113 Resp: 96413
Ion Ratio Lower Upper
113 100
111 103.5 83.3 124.9
192 17.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.116 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 75 Resp: 14417
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.975 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

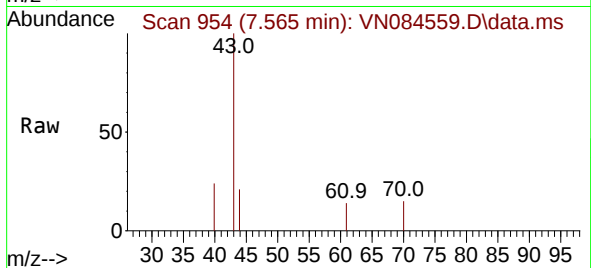
Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

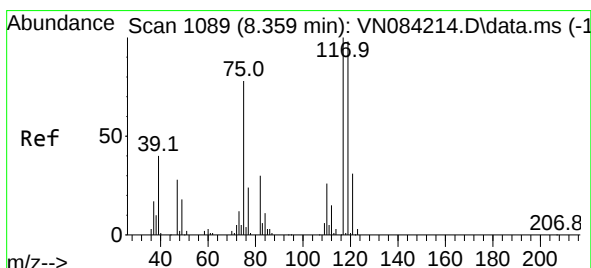
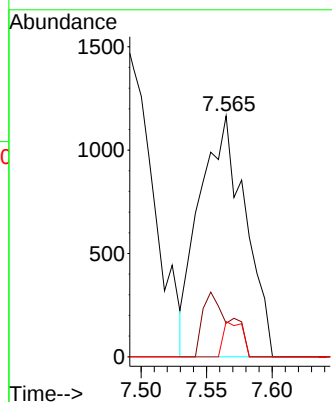
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2820
Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.7	16.1#
70	6.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.985 ug/l

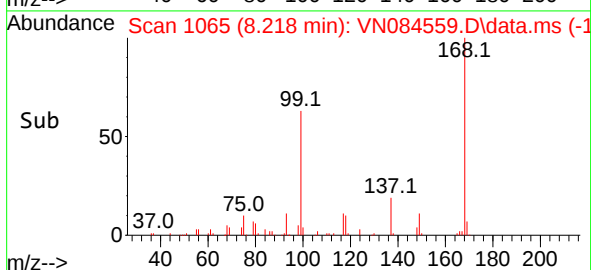
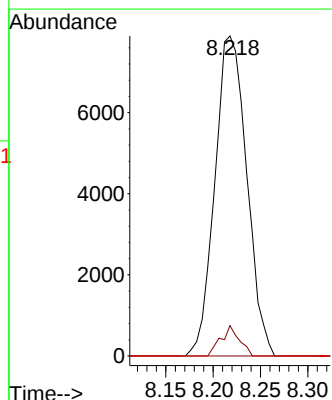
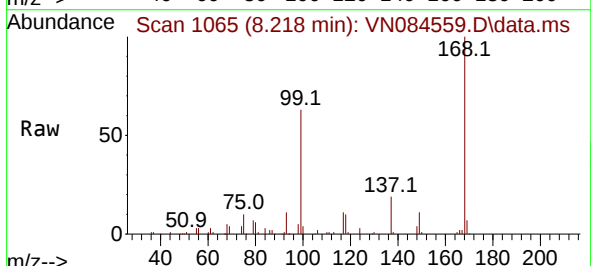
RT: 8.218 min Scan# 1065

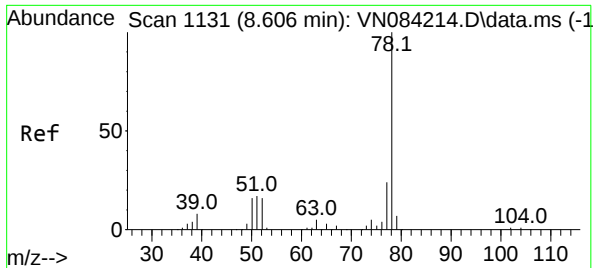
Delta R.T. -0.141 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

Tgt Ion:	117	Resp:	18502
Ion	Ratio	Lower	Upper
117	100		
119	9.5	78.7	118.1#
121	0.0	24.4	36.6#

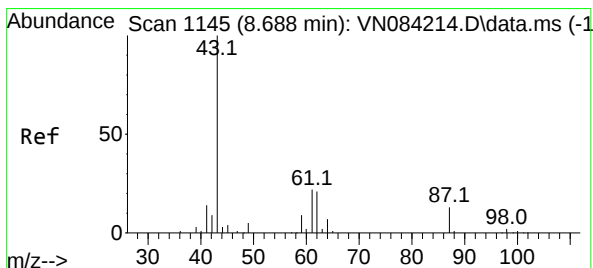
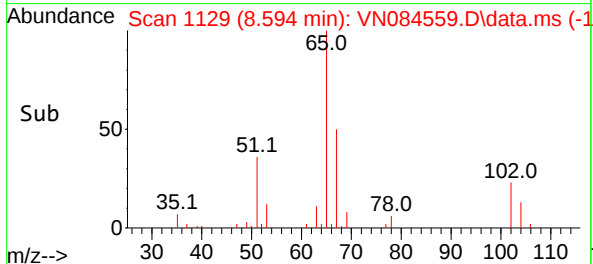
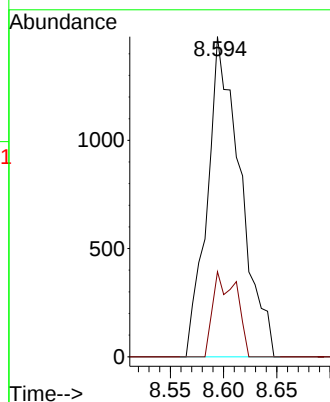
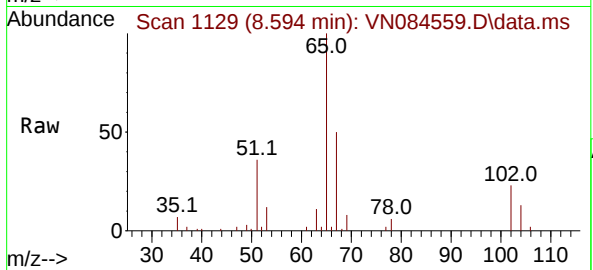




#40
Benzene
Concen: 0.364 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. -0.012 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

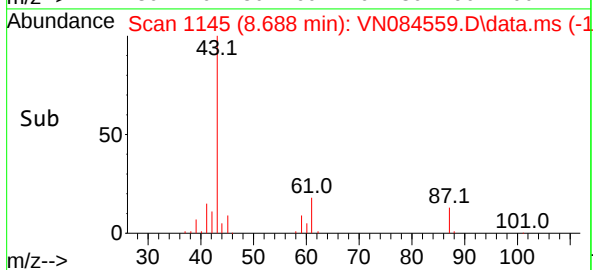
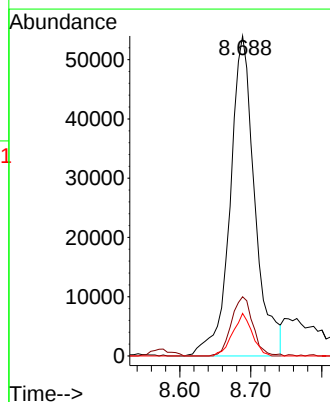
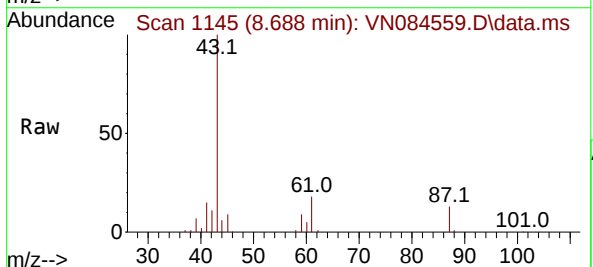
Instrument :
MSVOA_N
ClientSampleId :

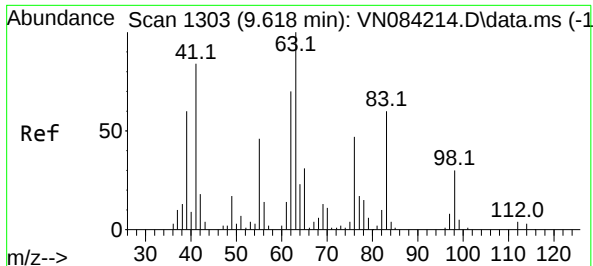
Tgt Ion: 78 Resp: 3194
Ion Ratio Lower Upper
78 100
77 26.6 19.1 28.7



#43
Isopropyl Acetate
Concen: 23.116 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 43 Resp: 130910
Ion Ratio Lower Upper
43 100
61 16.0 20.4 30.6#
87 10.4 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.641 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

Instrument :

MSVOA_N

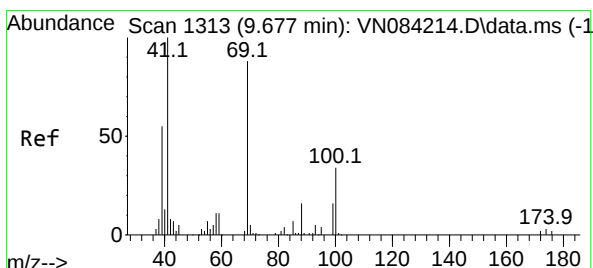
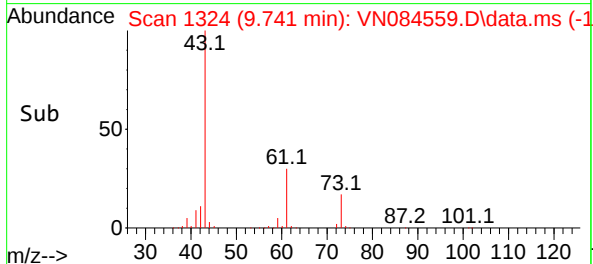
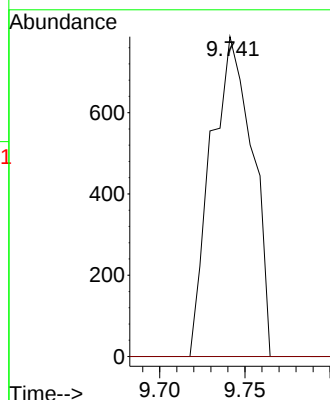
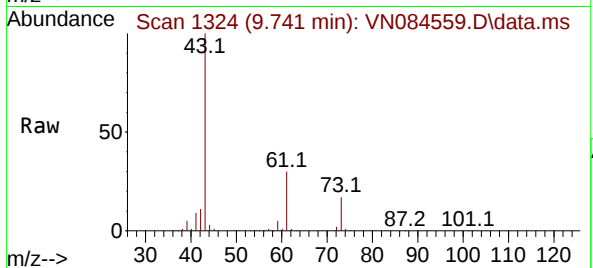
ClientSampleId :

Tgt Ion: 63 Resp: 1331

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.337 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

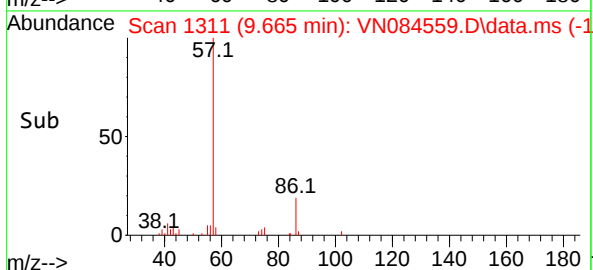
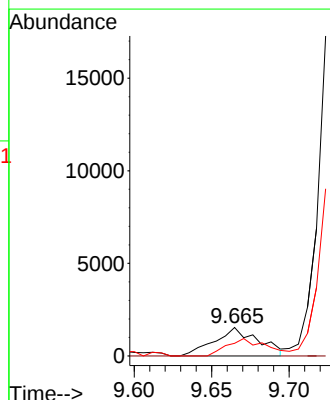
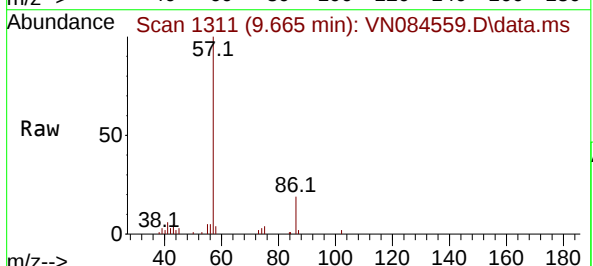
Tgt Ion: 41 Resp: 3014

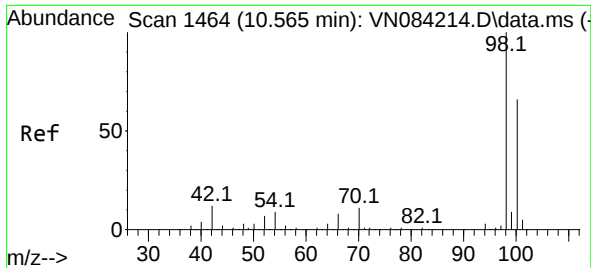
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 55.6 45.8 68.6

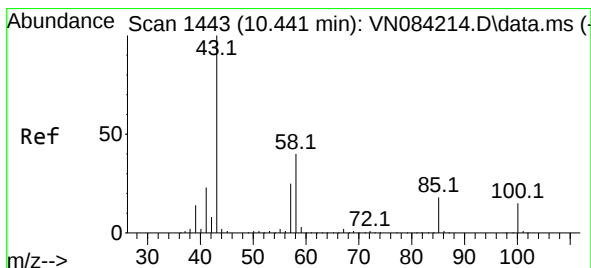
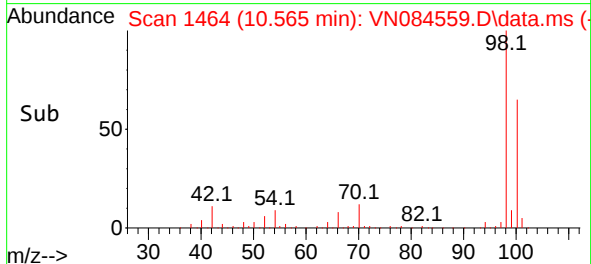
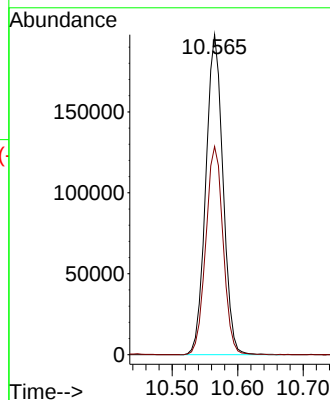
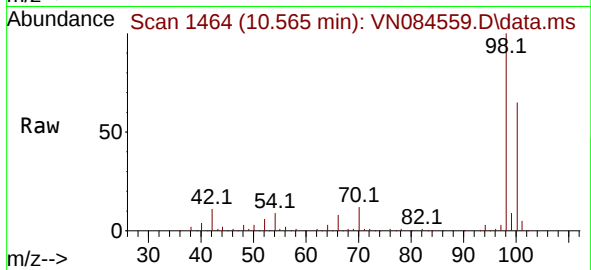




#50
Toluene-d8
Concen: 50.375 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

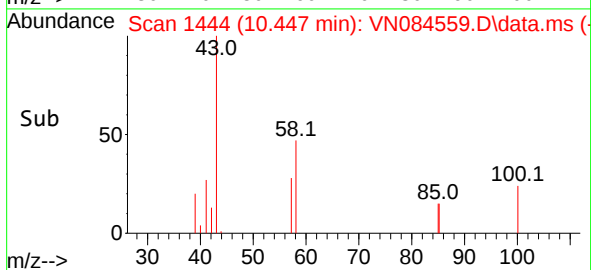
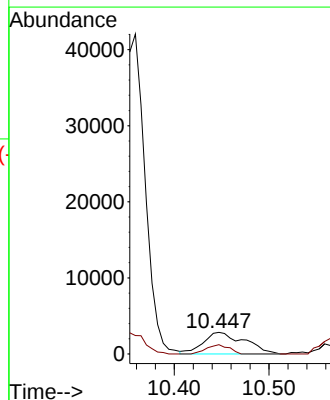
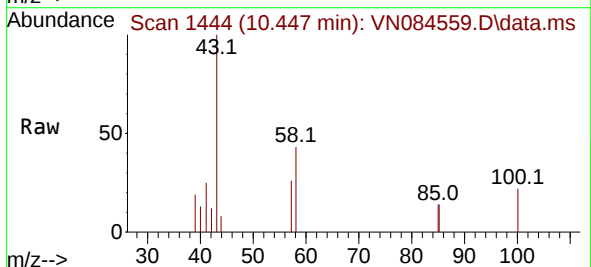
Instrument :
MSVOA_N
ClientSampleId :

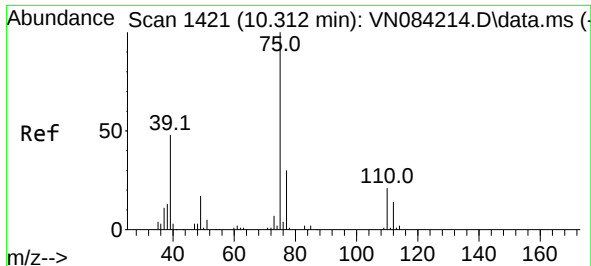
Tgt Ion: 98 Resp: 359587
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.142 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 43 Resp: 8647
Ion Ratio Lower Upper
43 100
58 23.3 31.6 47.4#

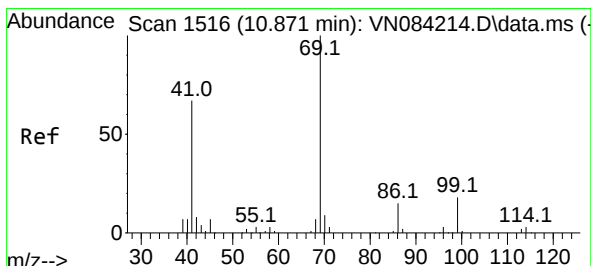
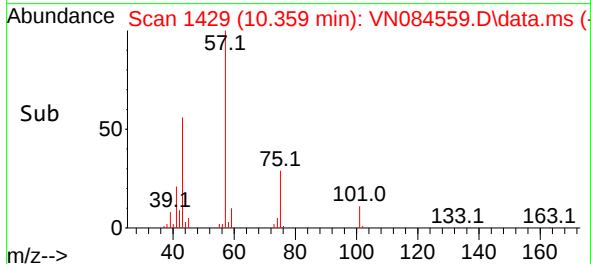
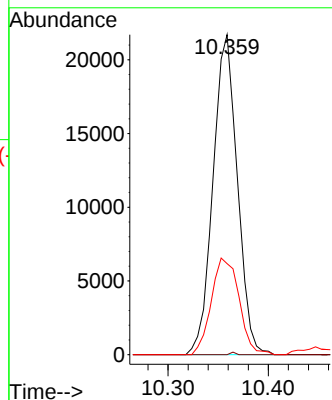
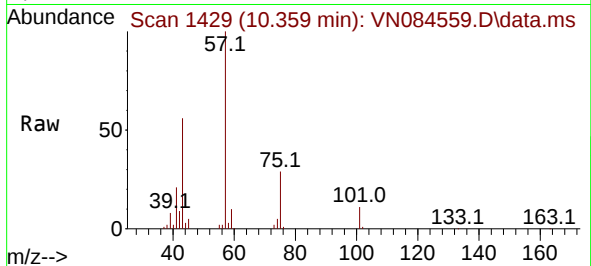




#54
cis-1,3-Dichloropropene
Concen: 10.713 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

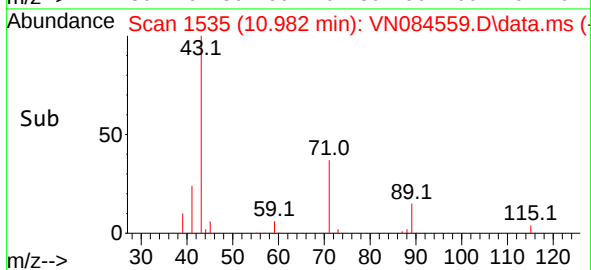
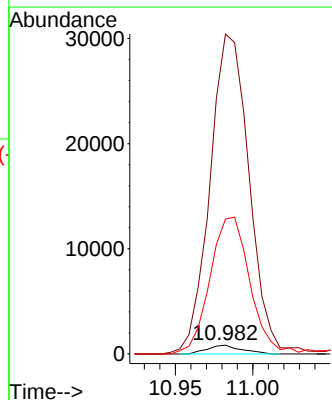
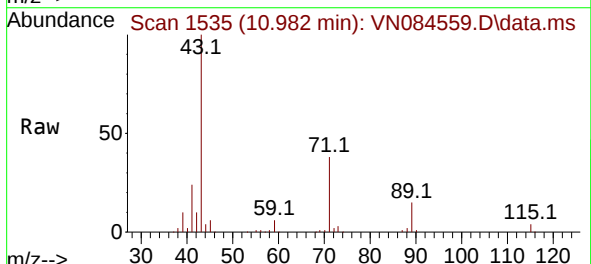
Instrument :
MSVOA_N
ClientSampleId :

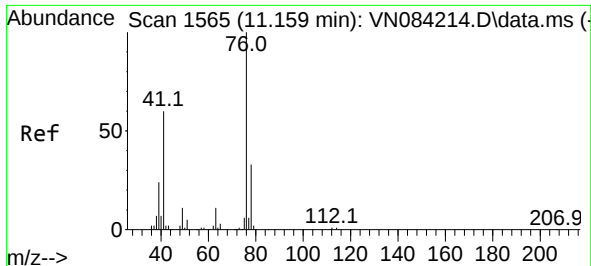
Tgt Ion: 75 Resp: 36581
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.5 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.403 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 69 Resp: 1272
Ion Ratio Lower Upper
69 100
41 4216.1 53.3 79.9#
39 1847.6 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.341 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

Instrument :

MSVOA_N

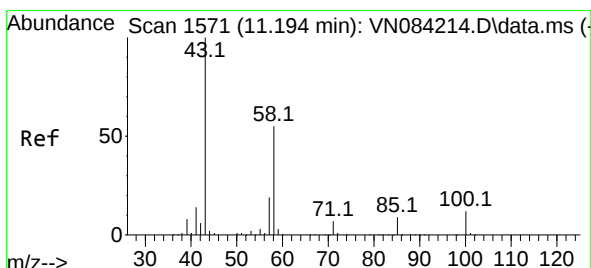
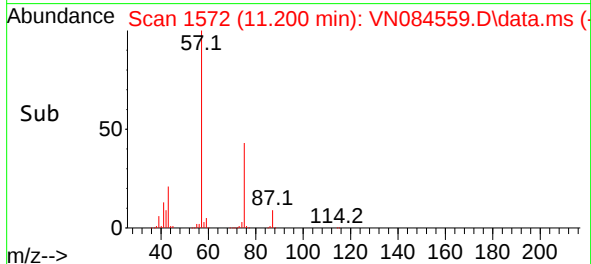
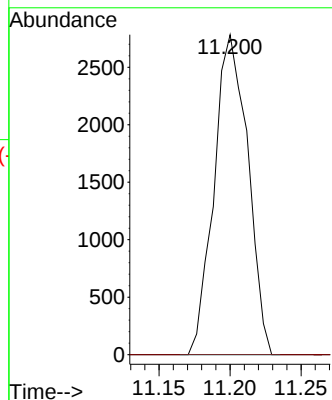
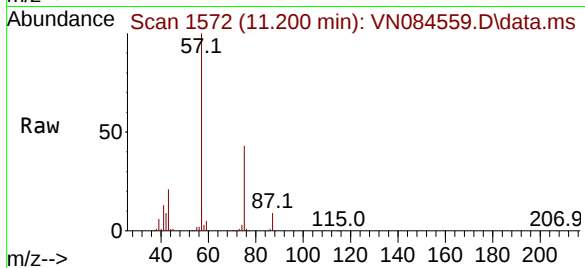
ClientSampleId :

Tgt Ion: 76 Resp: 4601

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 44.333 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084559.D

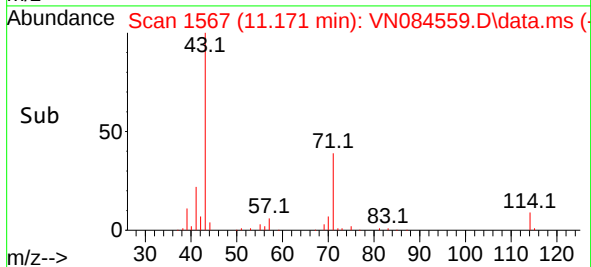
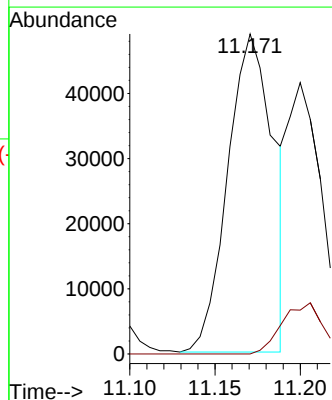
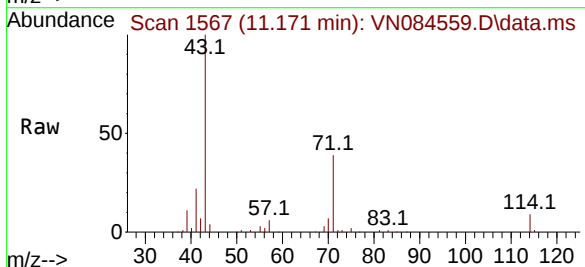
Acq: 29 Oct 2024 13:17

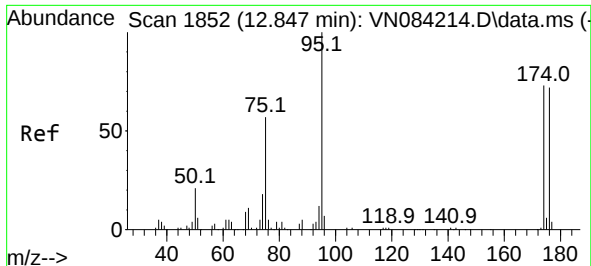
Tgt Ion: 43 Resp: 91200

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

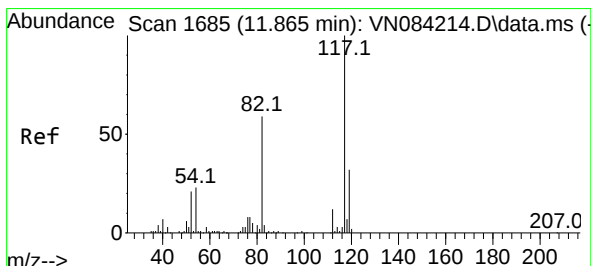
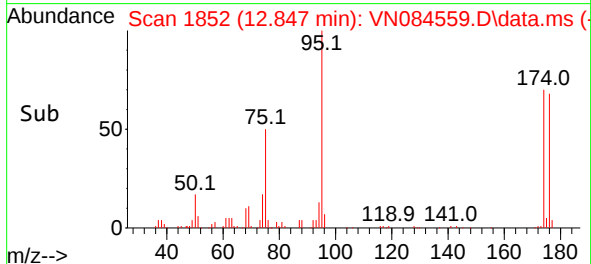
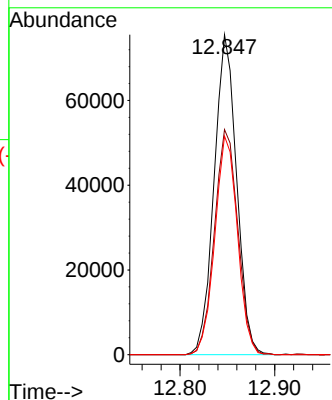
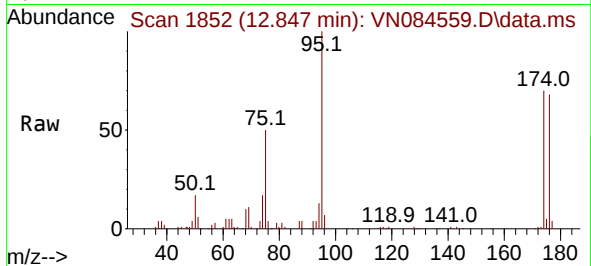




#62
4-Bromofluorobenzene
Concen: 47.942 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

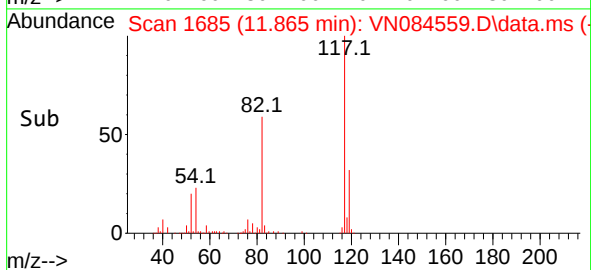
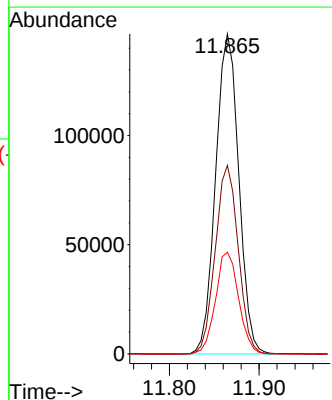
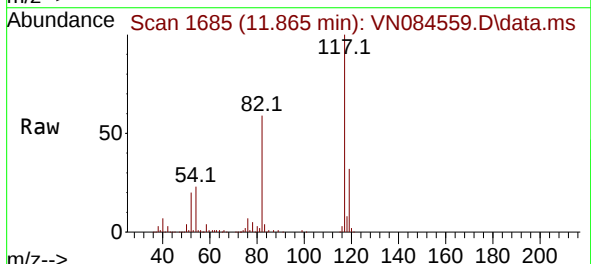
Instrument :
MSVOA_N
ClientSampleId :

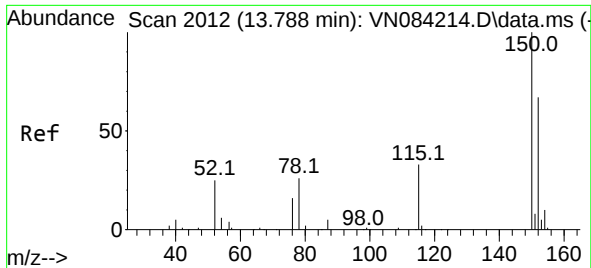
Tgt Ion: 95 Resp: 124675
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.2
176 68.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 117 Resp: 262850
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 31.8 25.4 38.0

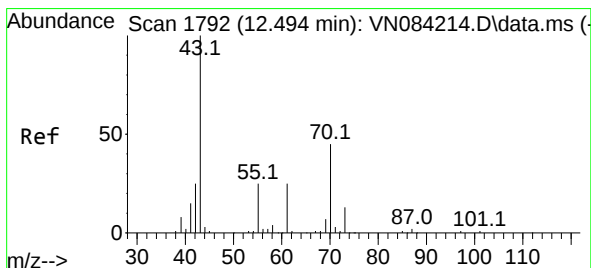
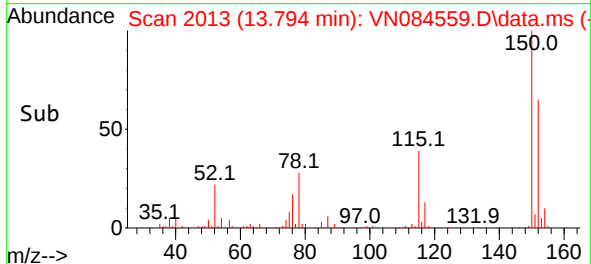
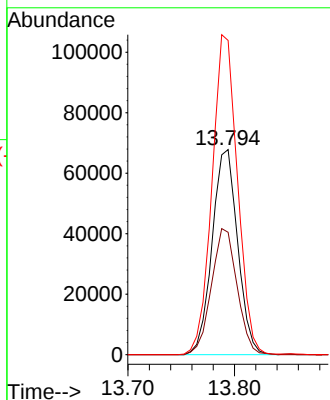
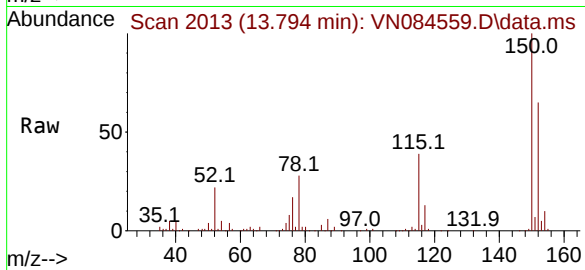




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

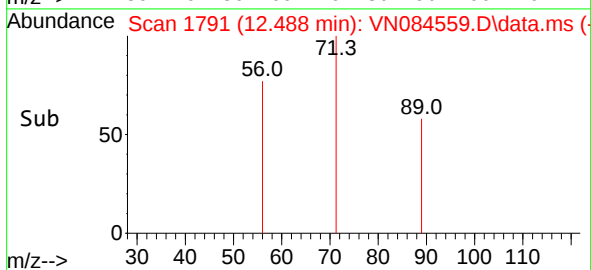
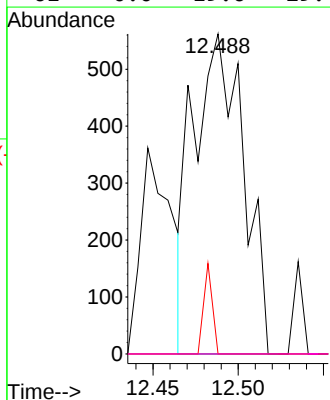
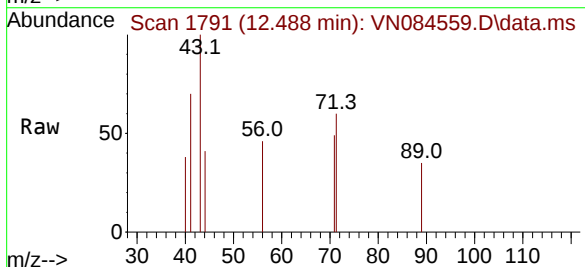
Instrument :
MSVOA_N
ClientSampleId :

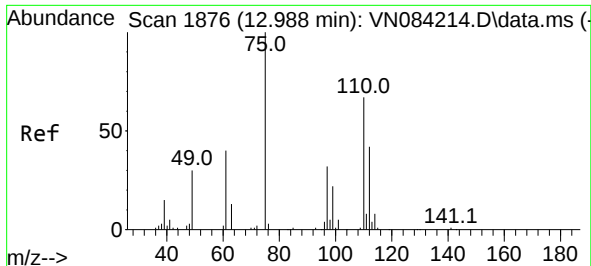
Tgt Ion:152 Resp: 112831
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.9
150 155.4 0.0 349.8



#74
N-ethyl acetate
Concen: 0.294 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 4.9 19.6 29.4#
61 0.0 19.6 29.4#

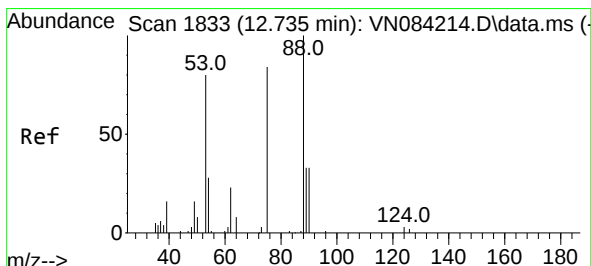
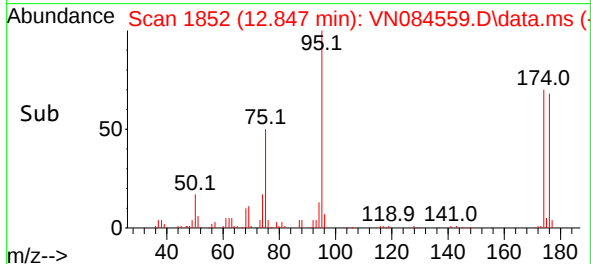
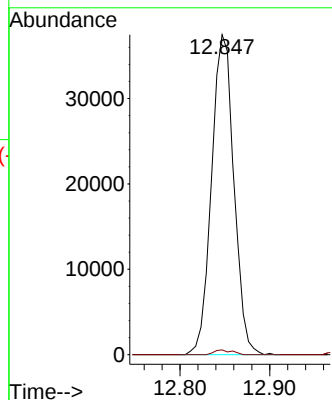
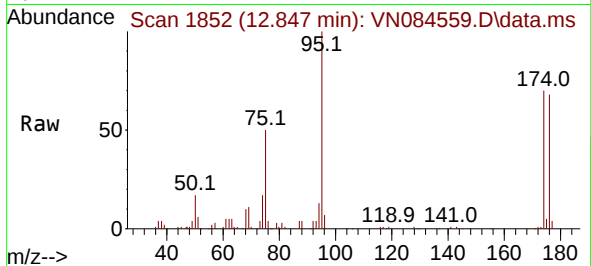




#76
1,2,3-Trichloropropane
Concen: 28.107 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

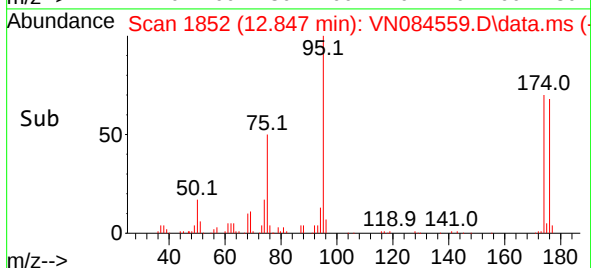
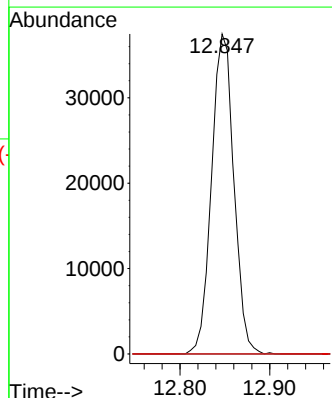
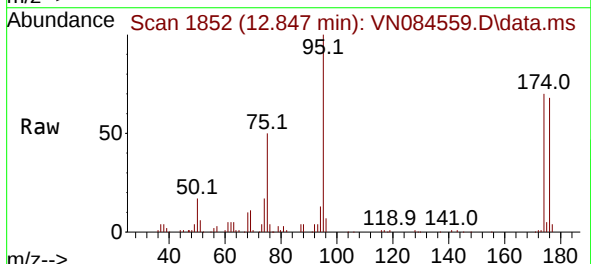
Instrument :
MSVOA_N
ClientSampleId :

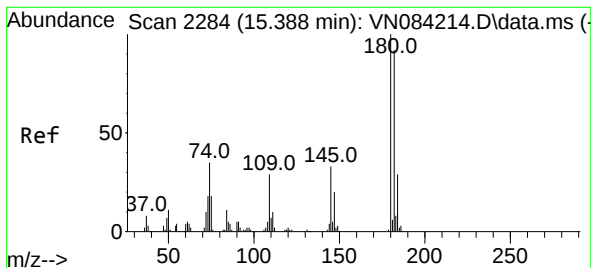
Tgt Ion: 75 Resp: 64743
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.384 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084559.D
Acq: 29 Oct 2024 13:17

Tgt Ion: 75 Resp: 64743
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.228 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

Instrument :

MSVOA_N

ClientSampleId :

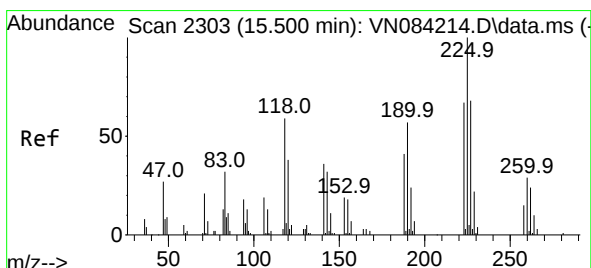
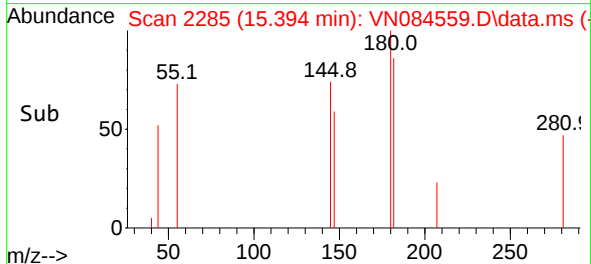
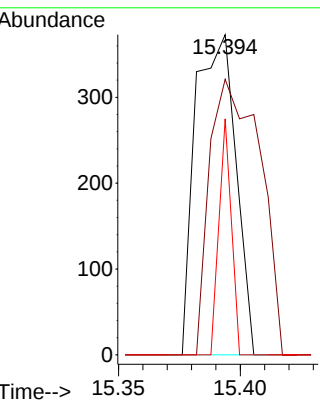
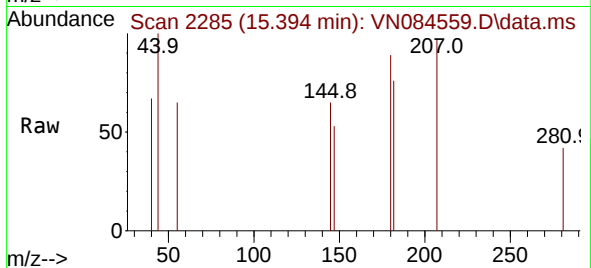
Tgt Ion:180 Resp: 429

Ion Ratio Lower Upper

180 100

182 107.9 47.0 141.0

145 22.6 16.4 49.4



#94

Hexachlorobutadiene

Concen: 0.311 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN084559.D

Acq: 29 Oct 2024 13:17

Tgt Ion:225 Resp: 292

Ion Ratio Lower Upper

225 100

223 18.2 32.4 97.2#

227 0.0 32.4 97.0#

