

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082924\
 Data File : VN083558.D
 Acq On : 29 Aug 2024 16:01
 Operator : JC\MD
 Sample : P3735-18RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 01:26:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

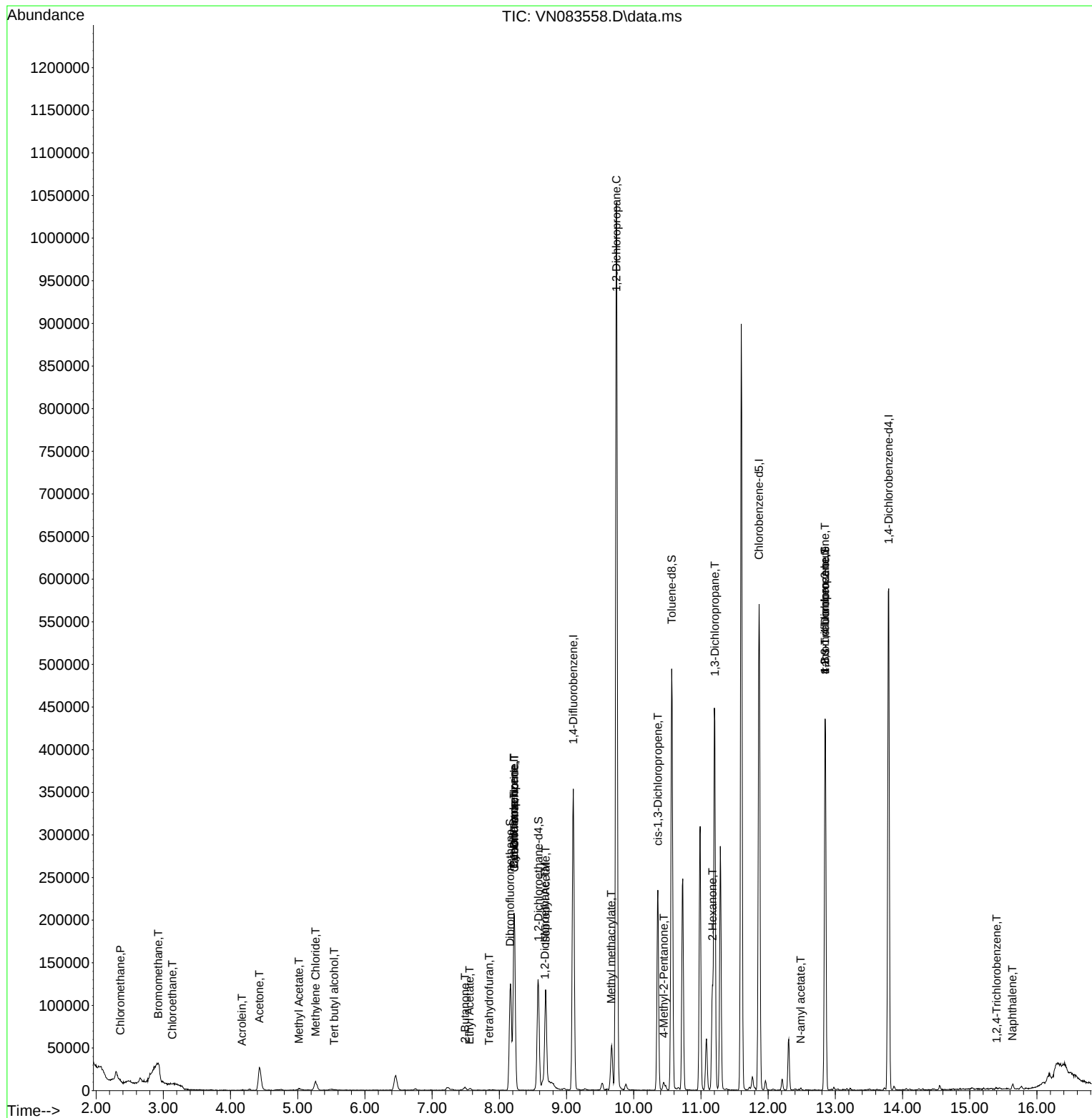
Internal Standards						
1) Pentafluorobenzene	8.218	168	144017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	112783	55.018	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.040%			
35) Dibromofluoromethane	8.159	113	90283	49.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.440%			
50) Toluene-d8	10.565	98	335788	49.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.847	95	152459	57.158	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.320%			
Target Compounds					Qvalue	
3) Chloromethane	2.360	50	698	0.417	ug/l #	43
5) Bromomethane	2.924	94	331	0.313	ug/l #	72
6) Chloroethane	3.136	64	1924	1.802	ug/l #	41
11) Tert butyl alcohol	5.542	59	725	1.702	ug/l #	71
13) Acrolein	4.171	56	182	0.656	ug/l	94
16) Acetone	4.430	43	46507	57.980	ug/l	96
18) Methyl Acetate	5.018	43	4303	1.801	ug/l #	56
20) Methylene Chloride	5.265	84	7968	4.316	ug/l #	79
25) 2-Butanone	7.489	43	5884	4.777	ug/l #	75
29) Tetrahydrofuran	7.847	42	263	0.330	ug/l #	38
31) Cyclohexane	8.218	56	3518	1.158	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13451	4.848	ug/l #	50
37) Ethyl Acetate	7.559	43	3443	1.108	ug/l #	89
38) Carbon Tetrachloride	8.224	117	16777	5.369	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	795	0.264	ug/l #	78
43) Isopropyl Acetate	8.689	43	147498	26.173	ug/l #	92
45) 1,2-Dichloropropane	9.741	63	1387	0.707	ug/l #	44
48) Methyl methacrylate	9.665	41	3212	1.251	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	10285	3.501	ug/l #	81
54) cis-1,3-Dichloropropene	10.359	75	41620	12.081	ug/l #	55
57) 1,3-Dichloropropane	11.206	76	4748	1.423	ug/l #	43
59) 2-Hexanone	11.171	43	99670	43.855	ug/l #	28
74) N-amyl acetate	12.482	43	1780	0.281	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	84723	24.930	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84723	54.228	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.400	180	715	0.244	ug/l #	82
95) Naphthalene	15.635	128	5461	0.525	ug/l	95

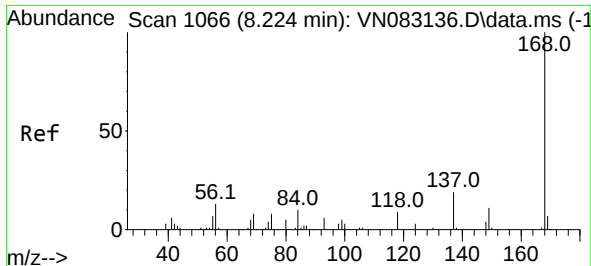
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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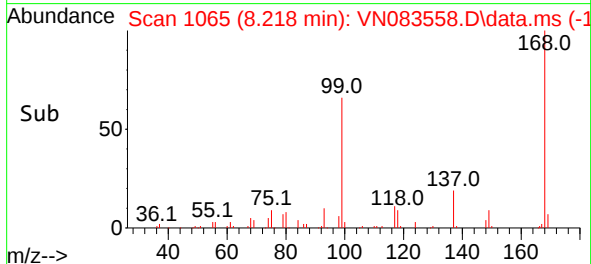
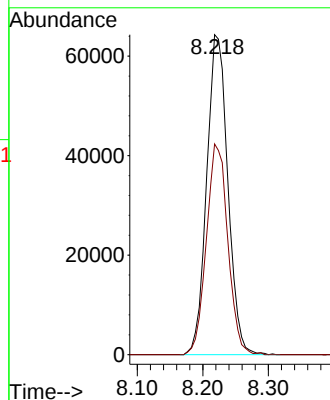
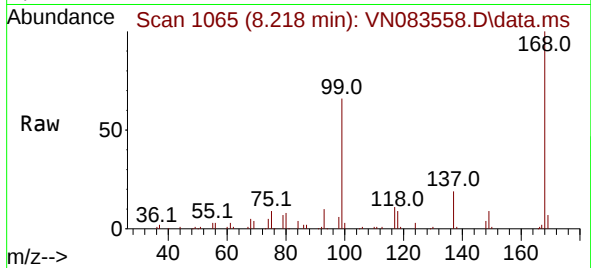




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

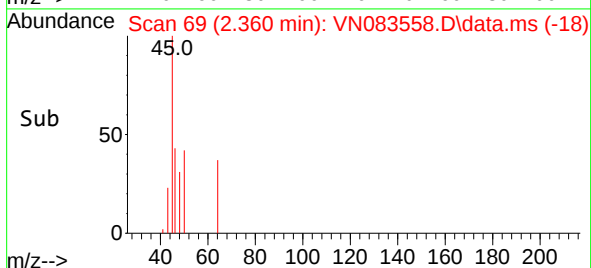
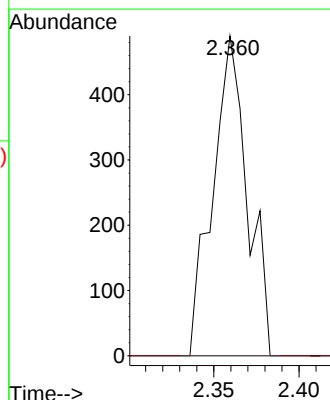
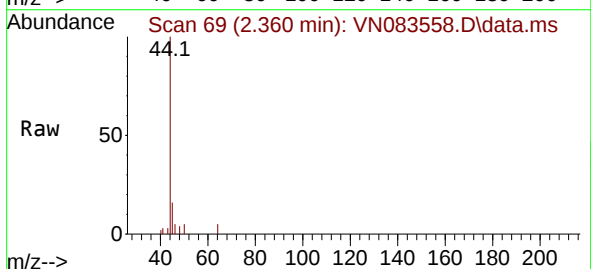
Instrument :
MSVOA_N
ClientSampleId :

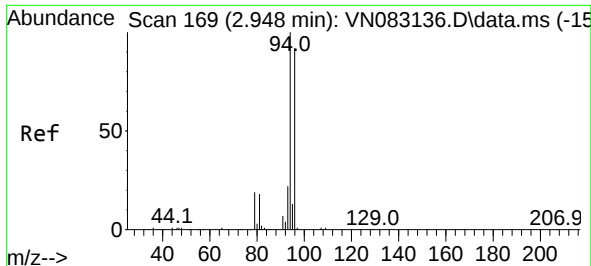
Tgt Ion:168 Resp: 144017
Ion Ratio Lower Upper
168 100
99 65.9 48.2 72.4



#3
Chloromethane
Concen: 0.417 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Tgt Ion: 50 Resp: 698
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

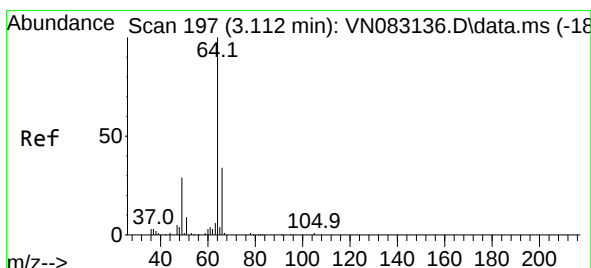
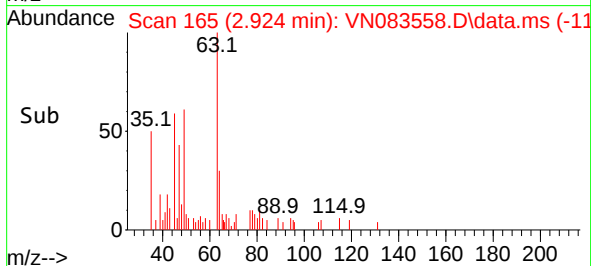
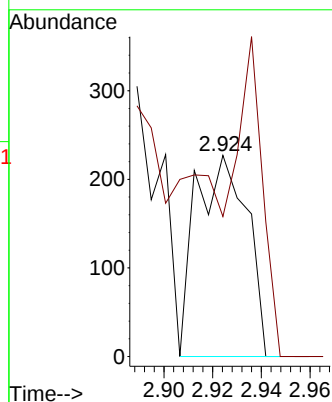
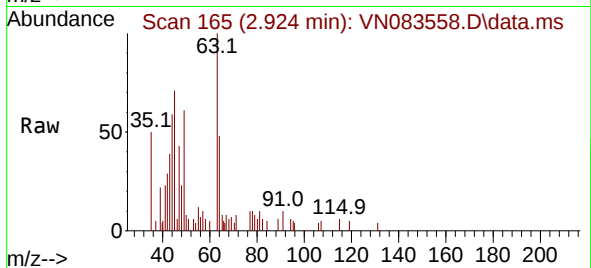




#5
Bromomethane
Concen: 0.313 ug/l
RT: 2.924 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

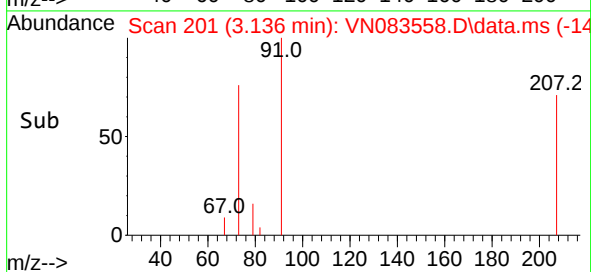
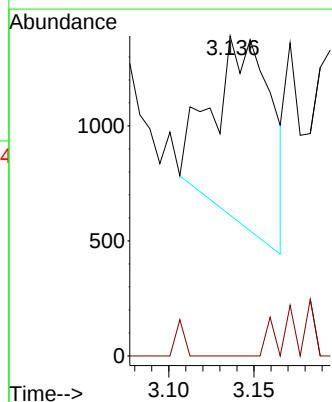
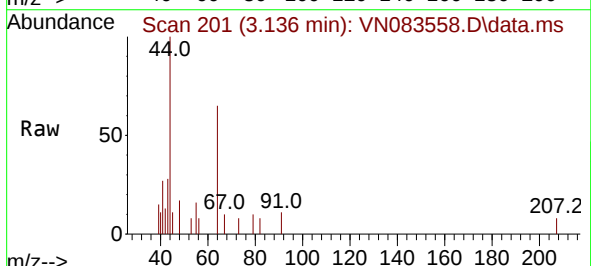
Instrument :
MSVOA_N
ClientSampleId :

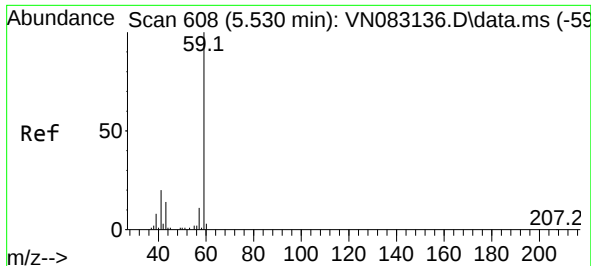
Tgt Ion: 94 Resp: 331
Ion Ratio Lower Upper
94 100
96 69.6 78.0 117.0#



#6
Chloroethane
Concen: 1.802 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.024 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Tgt Ion: 64 Resp: 1924
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#





#11

Tert butyl alcohol

Concen: 1.702 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.012 min

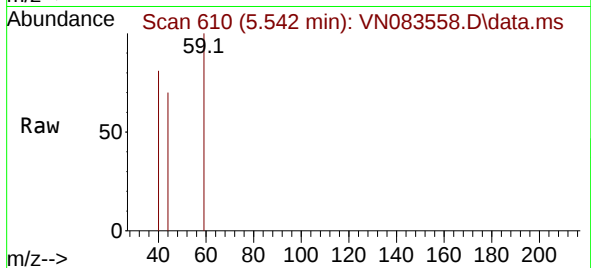
Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

Instrument :

MSVOA_N

ClientSampleId :

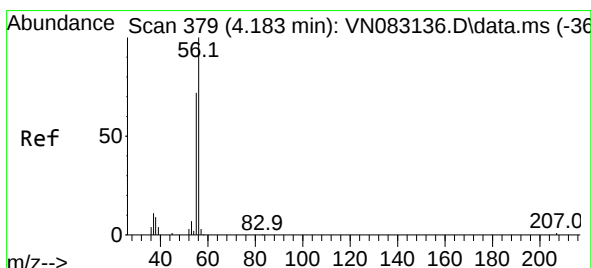
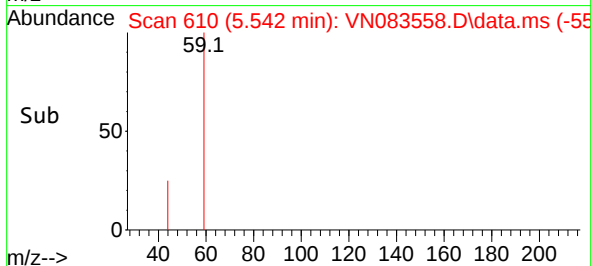
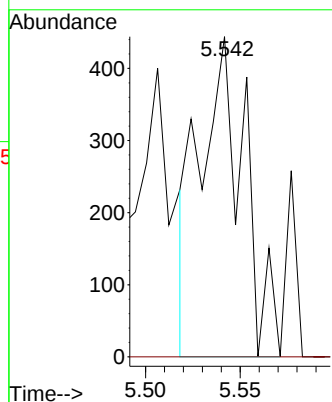


Tgt Ion: 59 Resp: 725

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#13

Acrolein

Concen: 0.656 ug/l

RT: 4.171 min Scan# 377

Delta R.T. -0.012 min

Lab File: VN083558.D

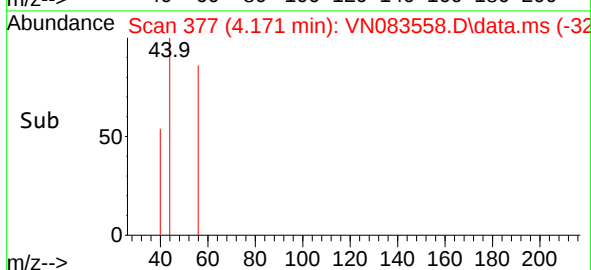
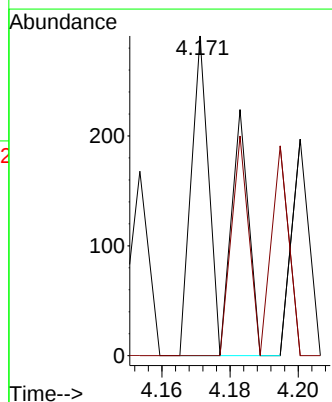
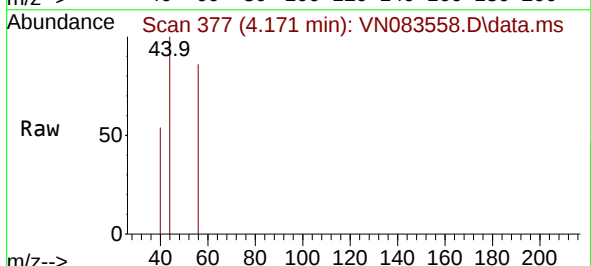
Acq: 29 Aug 2024 16:01

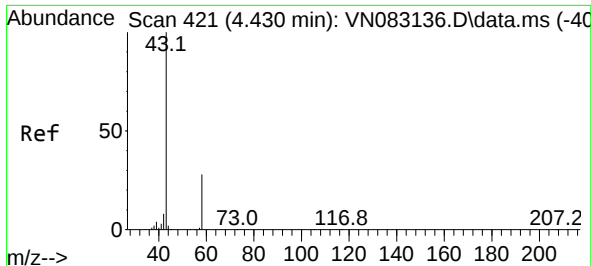
Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

56 100

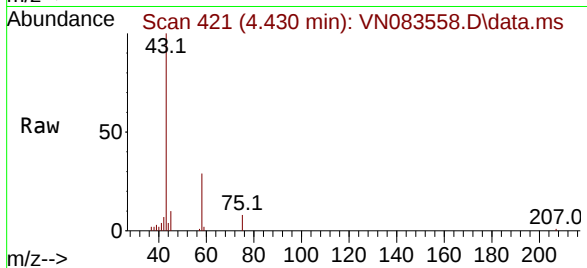
55 75.8 56.4 84.6



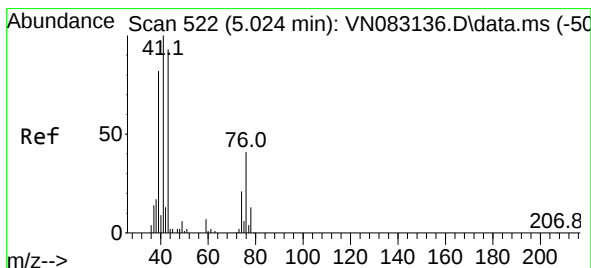
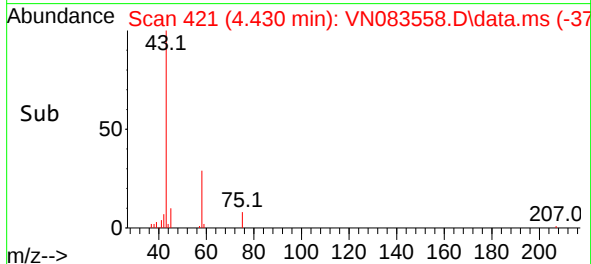
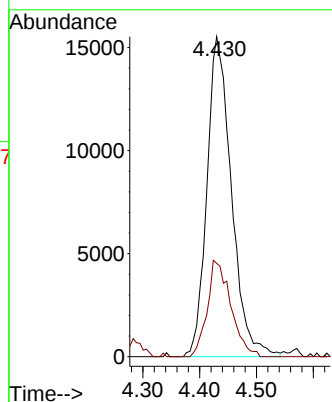


#16
Acetone
Concen: 57.980 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

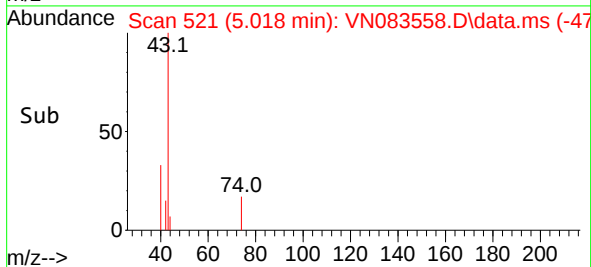
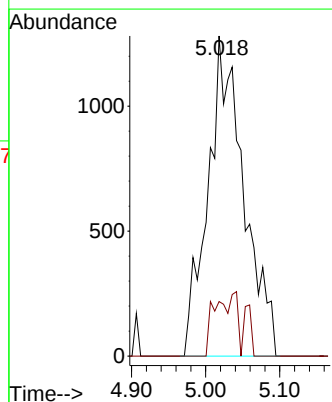
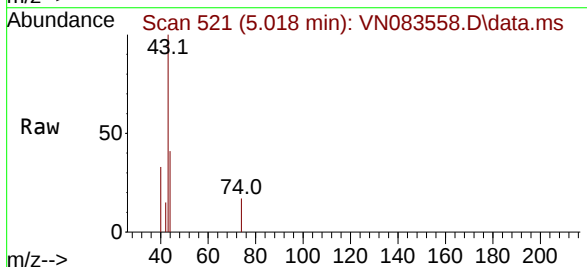


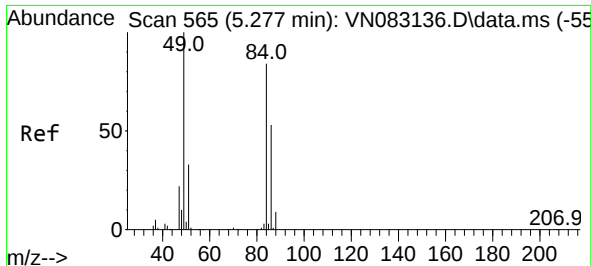
Tgt Ion: 43 Resp: 46507
Ion Ratio Lower Upper
43 100
58 29.2 21.8 32.6



#18
Methyl Acetate
Concen: 1.801 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

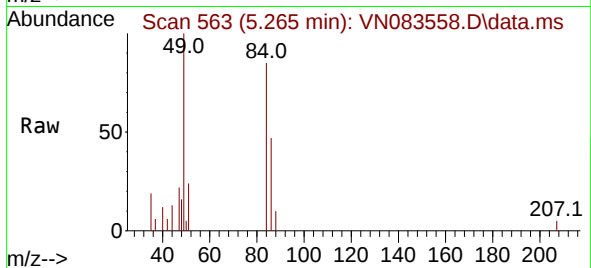
Tgt Ion: 43 Resp: 4303
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



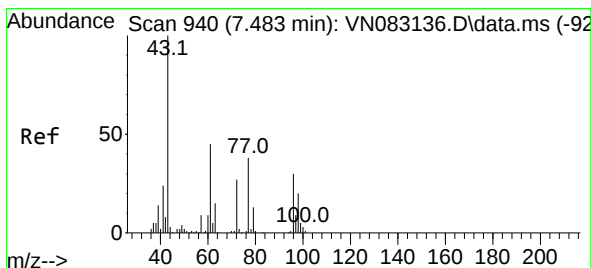
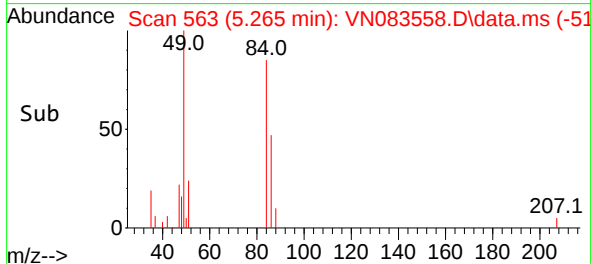
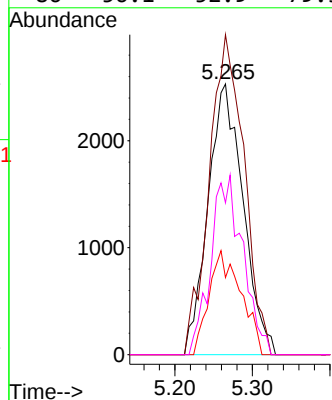


#20
Methylene Chloride
Concen: 4.316 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

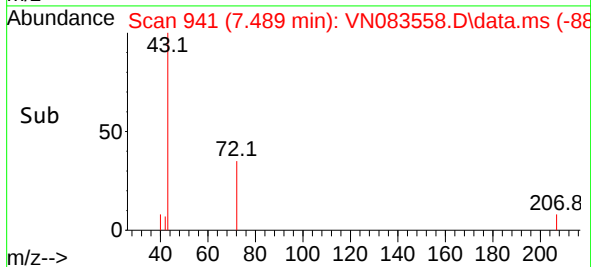
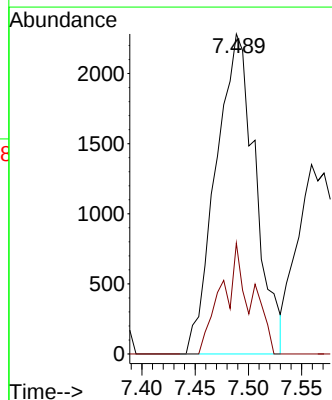
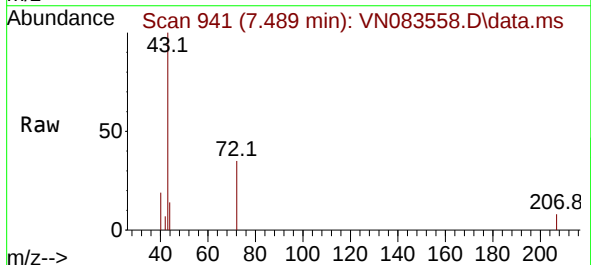


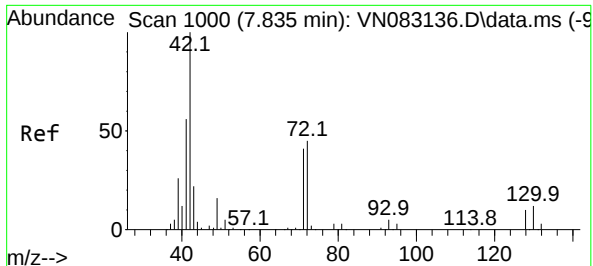
Tgt Ion: 84 Resp: 7968
Ion Ratio Lower Upper
84 100
49 118.2 119.6 179.4#
51 28.5 34.8 52.2#
86 56.1 52.9 79.3



#25
2-Butanone
Concen: 4.777 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Tgt Ion: 43 Resp: 5884
Ion Ratio Lower Upper
43 100
72 34.7 18.2 27.2#





#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

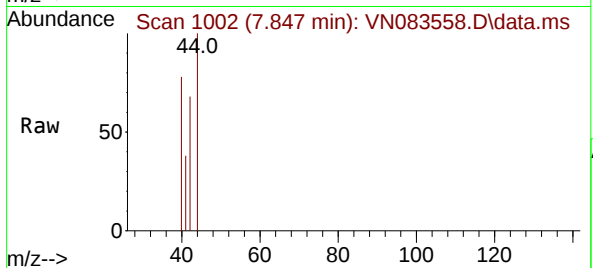
Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

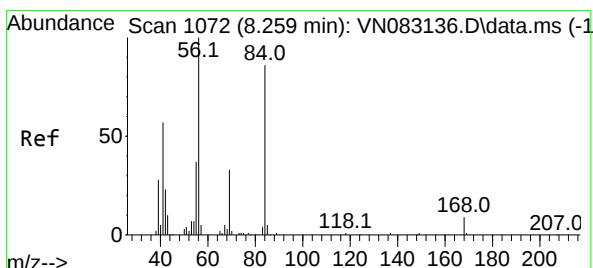
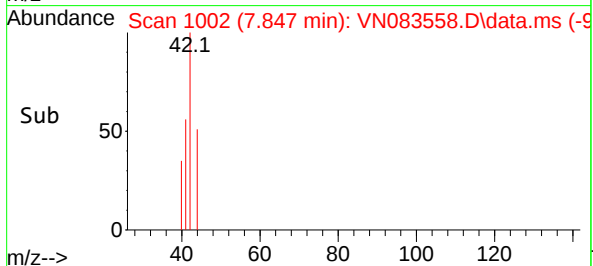
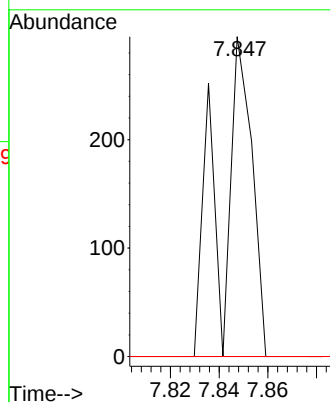
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	263
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.158 ug/l

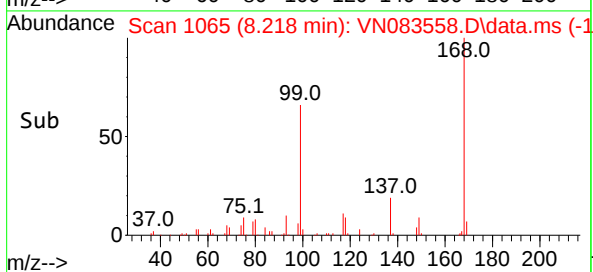
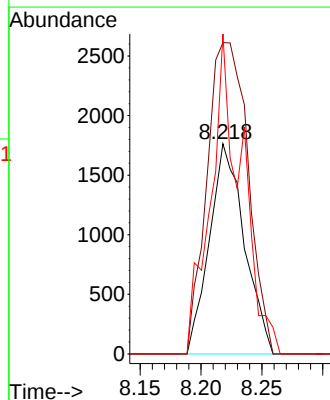
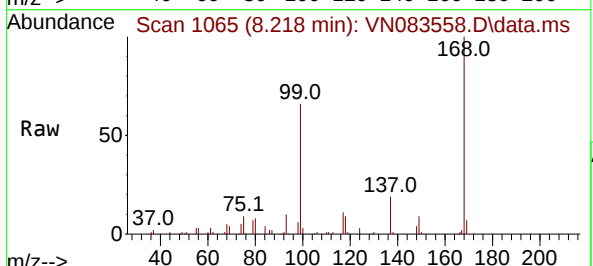
RT: 8.218 min Scan# 1065

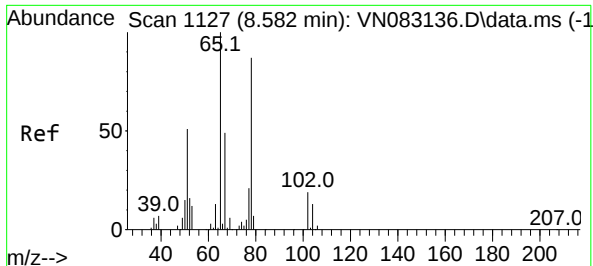
Delta R.T. -0.041 min

Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

Tgt Ion:	56	Resp:	3518
Ion	Ratio	Lower	Upper
56	100		
69	148.1	24.5	36.7#
84	152.2	66.0	99.0#

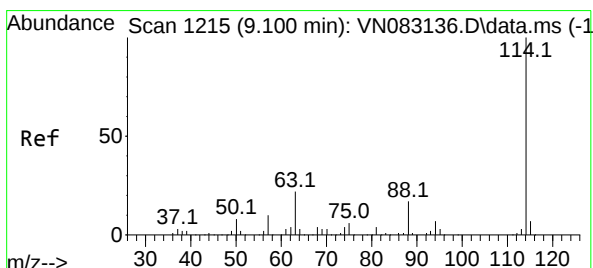
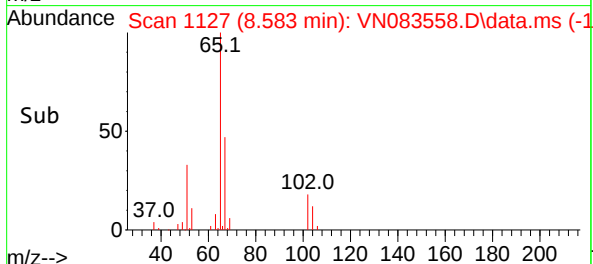
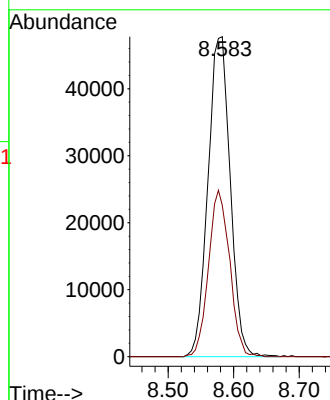
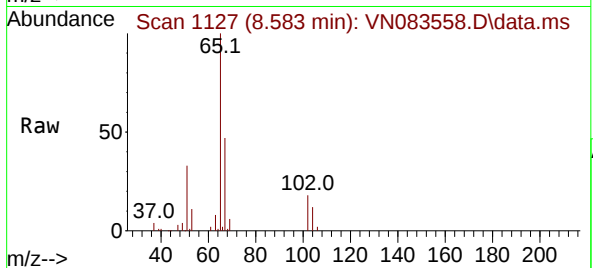




#33
1,2-Dichloroethane-d4
Concen: 55.018 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

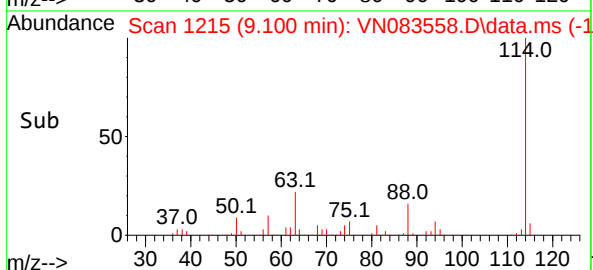
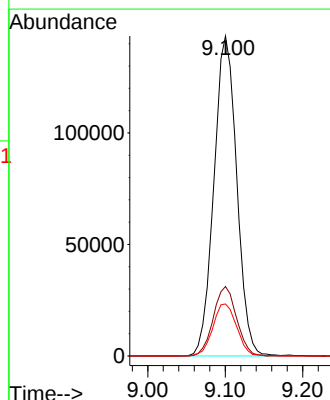
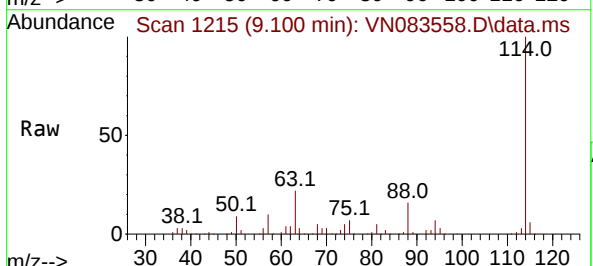
Instrument :
MSVOA_N
ClientSampleId :

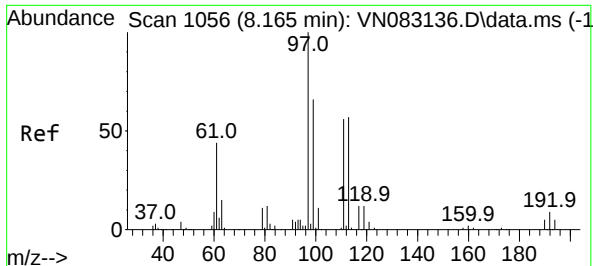
Tgt Ion: 65 Resp: 112783
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Tgt Ion: 114 Resp: 293848
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.6
88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.224 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

Instrument :

MSVOA_N

ClientSampleId :

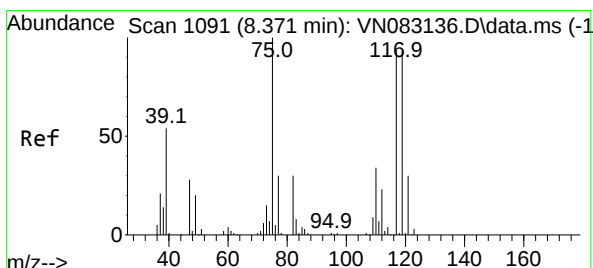
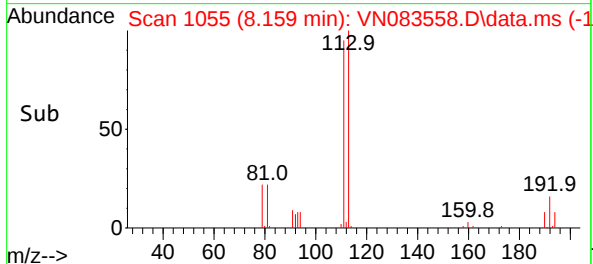
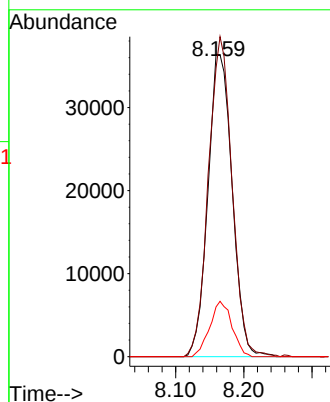
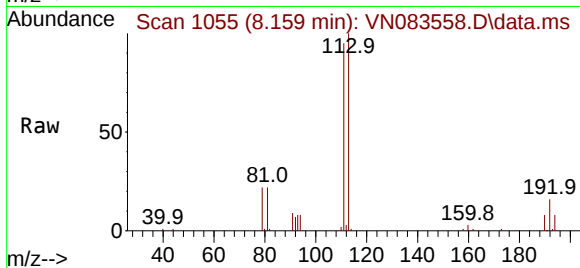
Tgt Ion:113 Resp: 90283

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 16.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

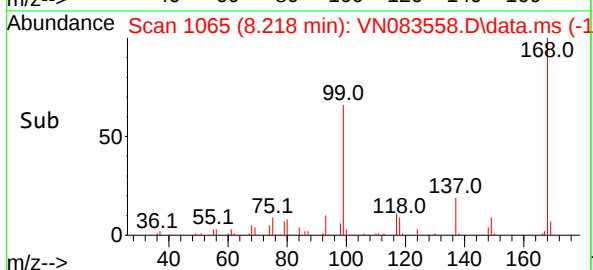
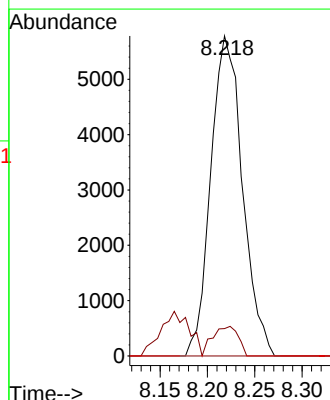
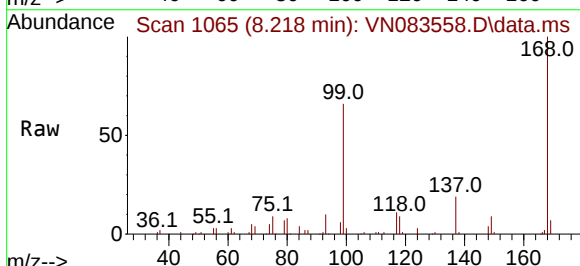
Tgt Ion: 75 Resp: 13451

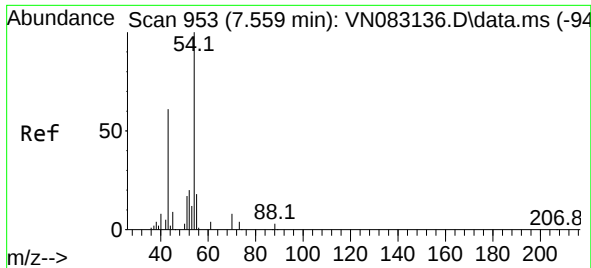
Ion Ratio Lower Upper

75 100

110 7.5 16.3 48.9#

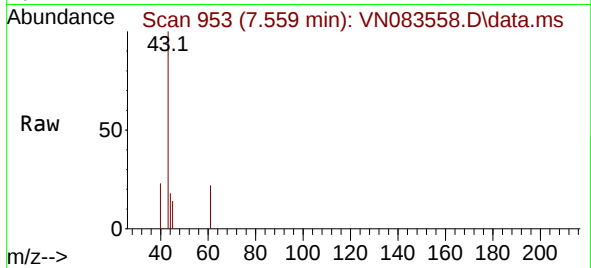
77 0.0 24.6 37.0#



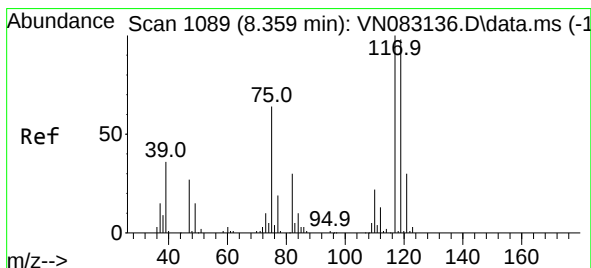
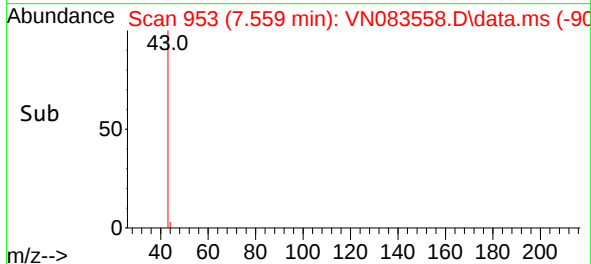
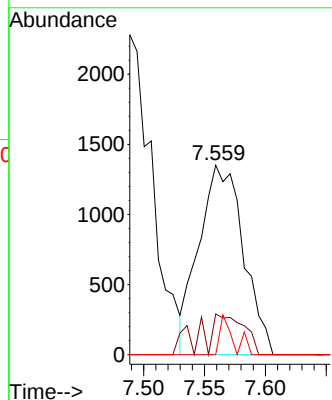


#37
Ethyl Acetate
Concen: 1.108 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

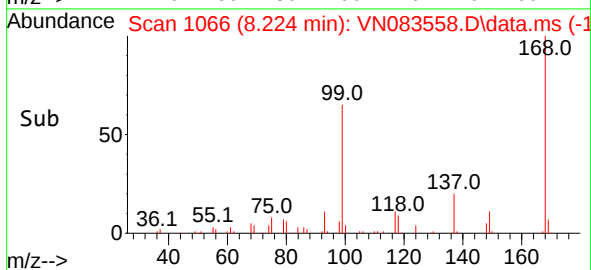
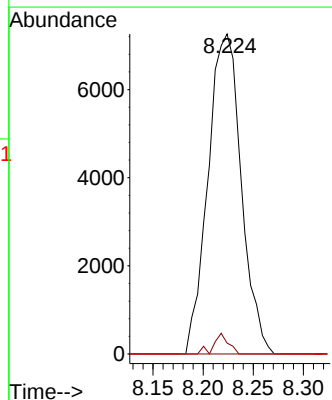
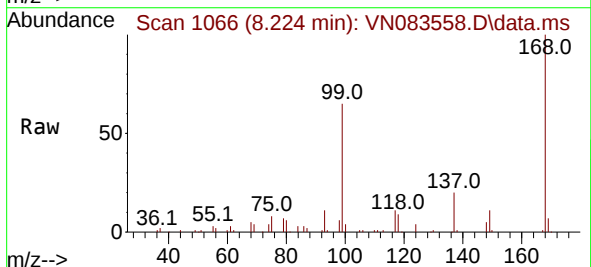


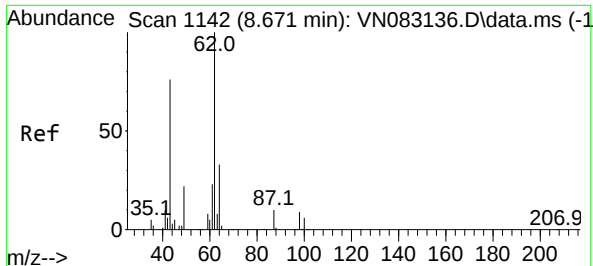
Tgt Ion: 43 Resp: 3443
Ion Ratio Lower Upper
43 100
61 17.3 9.3 13.9#
70 6.2 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.369 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Tgt Ion: 117 Resp: 16777
Ion Ratio Lower Upper
117 100
119 3.4 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.264 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

Instrument :

MSVOA_N

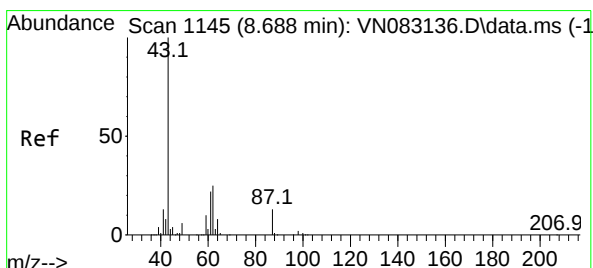
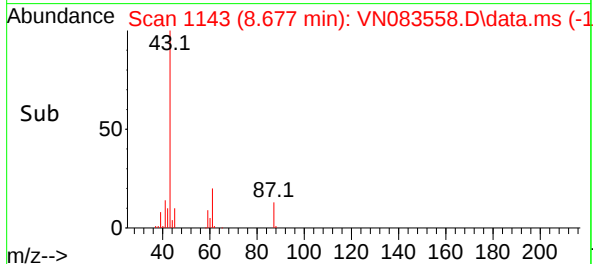
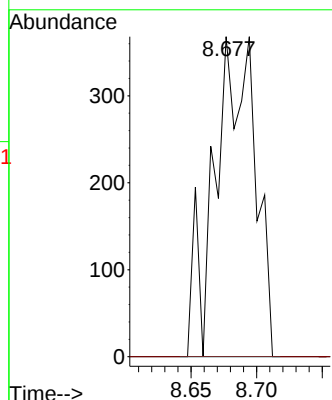
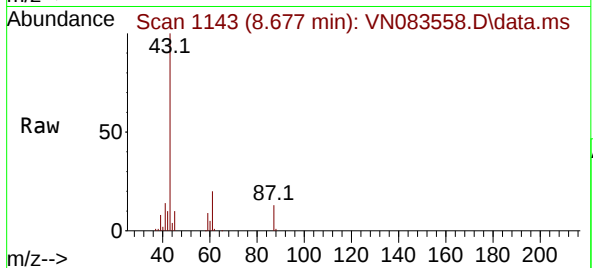
ClientSampleId :

Tgt Ion: 62 Resp: 795

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 26.173 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.001 min

Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

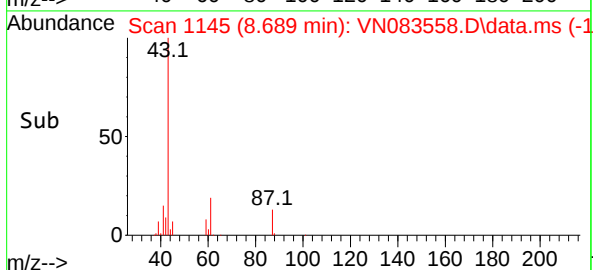
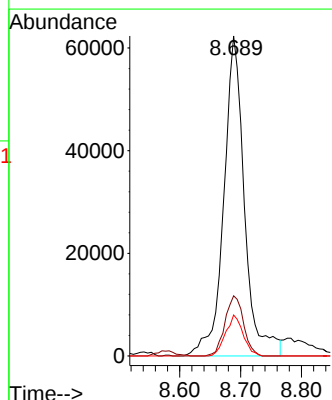
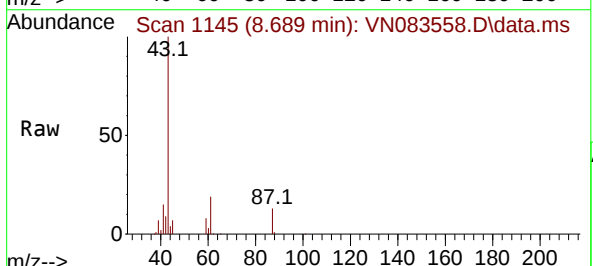
Tgt Ion: 43 Resp: 147498

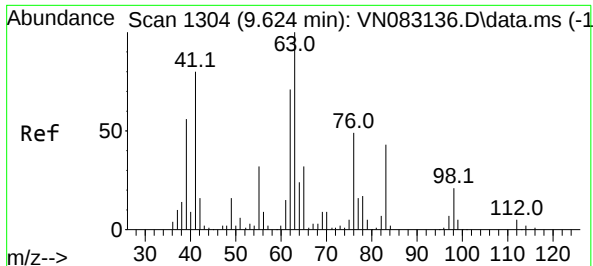
Ion Ratio Lower Upper

43 100

61 16.7 17.8 26.6#

87 10.8 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.707 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

Instrument :

MSVOA_N

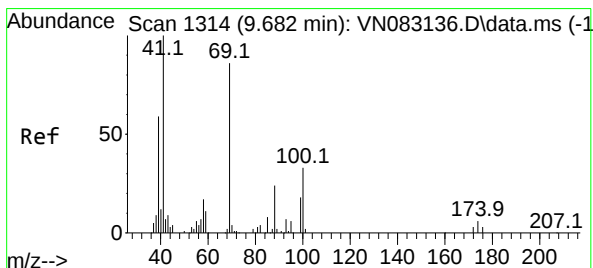
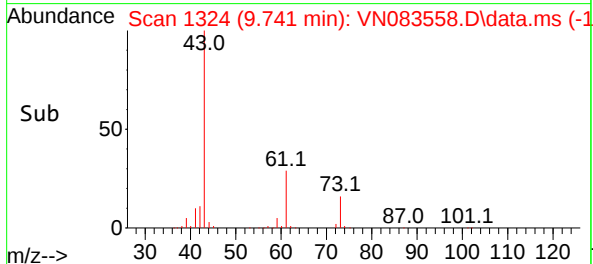
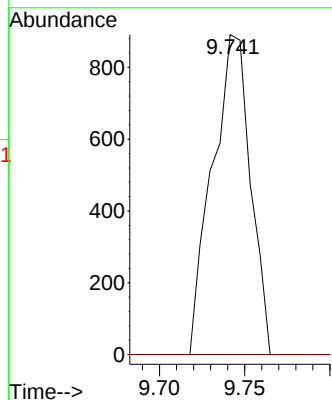
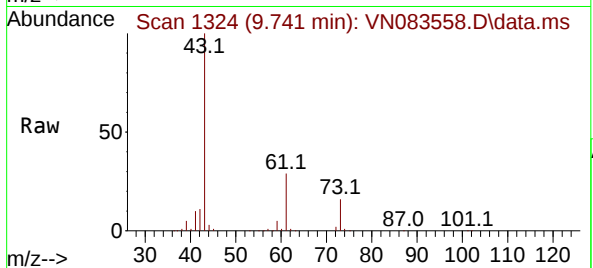
ClientSampleId :

Tgt Ion: 63 Resp: 1387

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.251 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.017 min

Lab File: VN083558.D

Acq: 29 Aug 2024 16:01

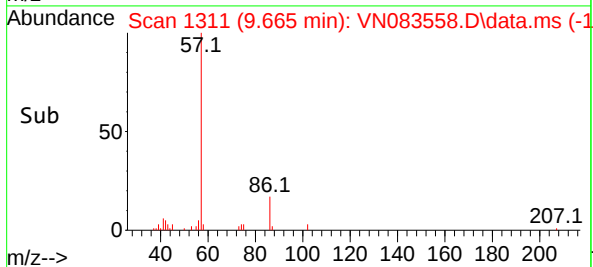
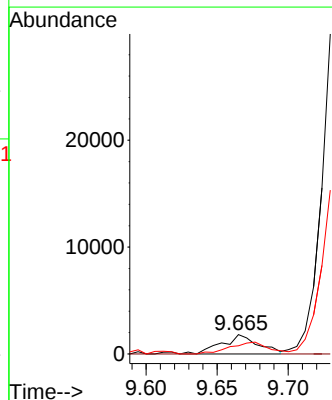
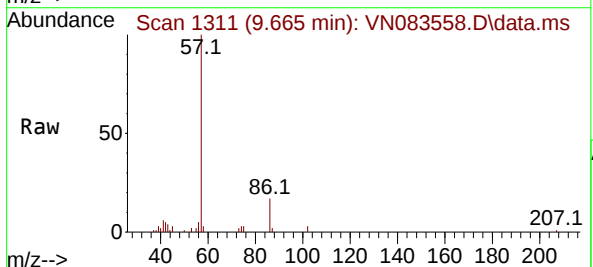
Tgt Ion: 41 Resp: 3212

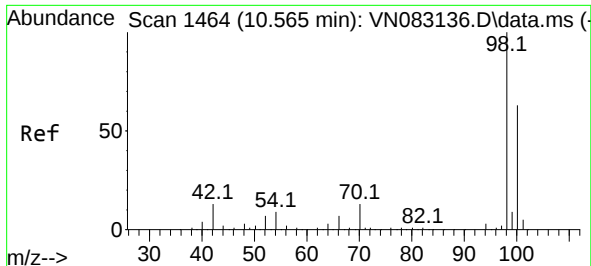
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 65.7 50.3 75.5

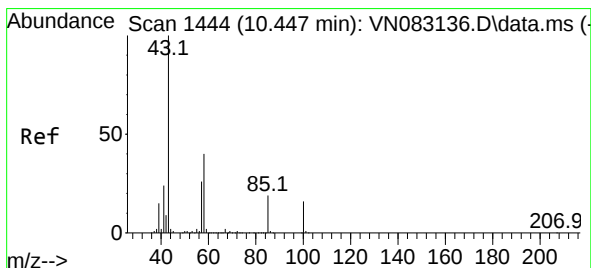
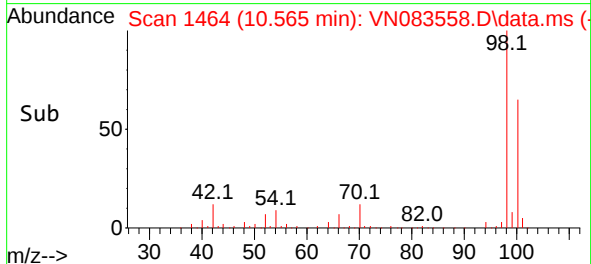
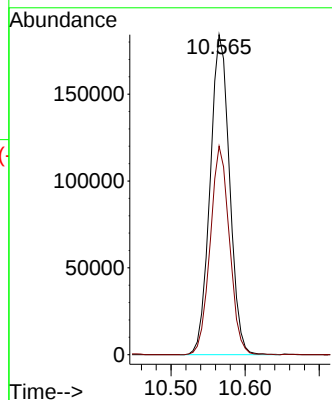
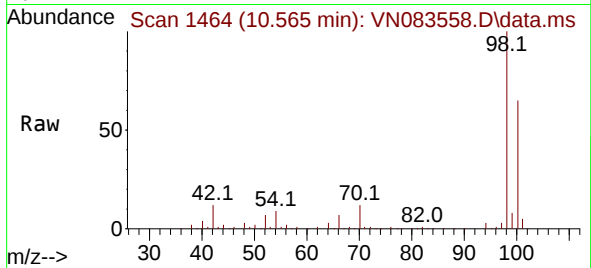




#50
Toluene-d8
Concen: 49.079 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

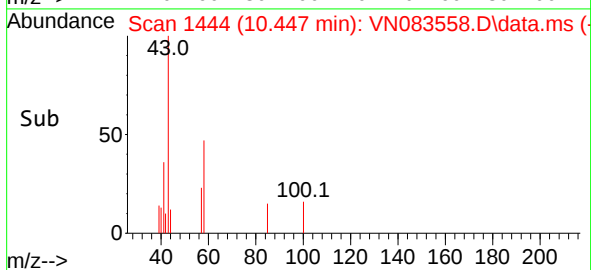
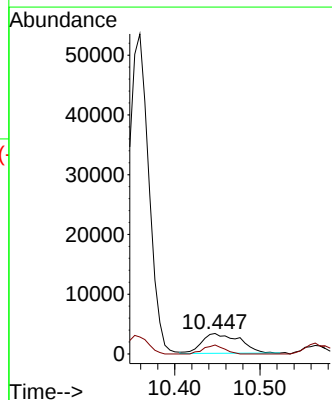
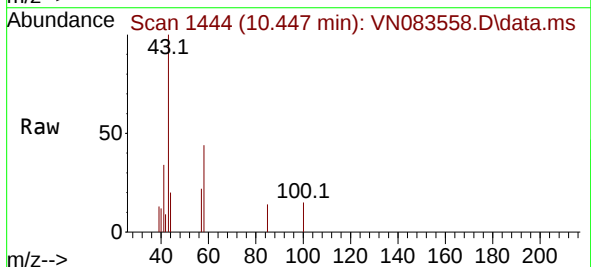
Instrument :
MSVOA_N
ClientSampleId :

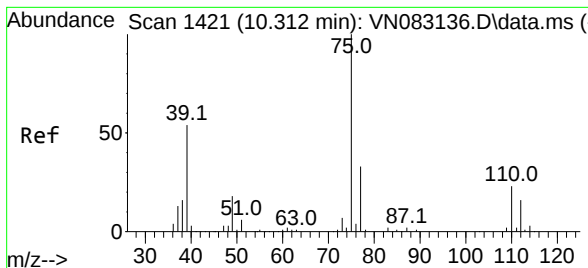
Tgt Ion: 98 Resp: 335788
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.501 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

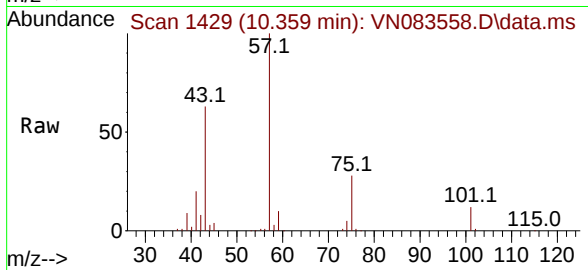
Tgt Ion: 43 Resp: 10285
Ion Ratio Lower Upper
43 100
58 24.4 28.2 42.4#



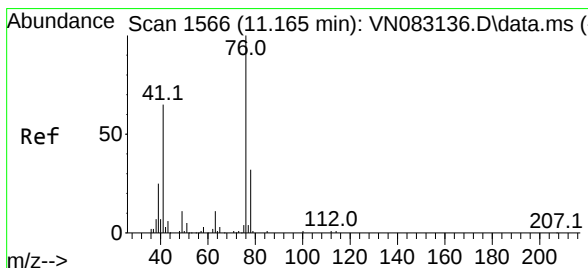
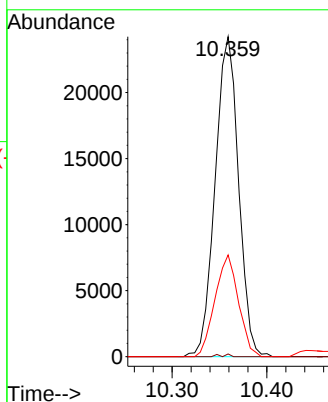
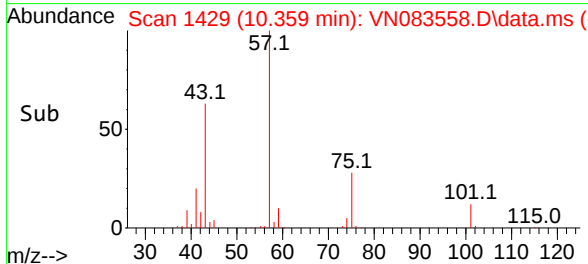


#54
 cis-1,3-Dichloropropene
 Concen: 12.081 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083558.D
 Acq: 29 Aug 2024 16:01

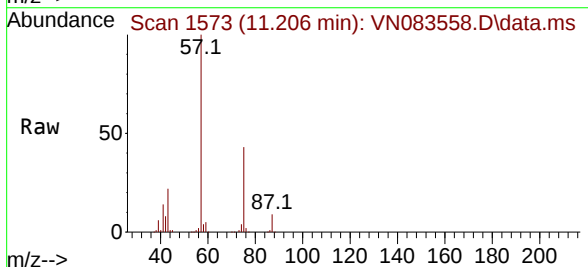
Instrument :
 MSVOA_N
 ClientSampleId :



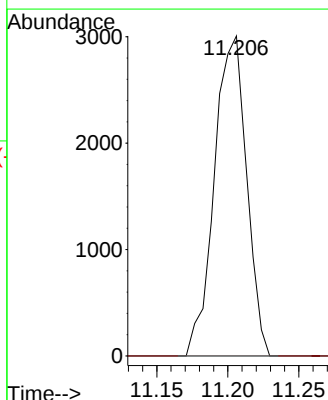
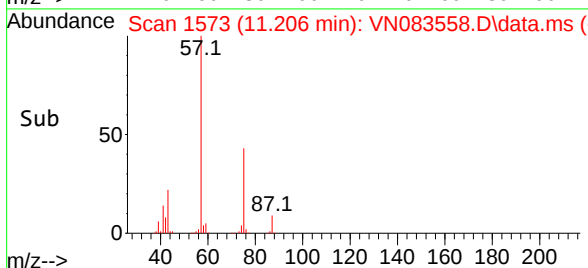
Tgt Ion: 75 Resp: 41620
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.3 36.5#
 39 31.8 50.5 75.7#

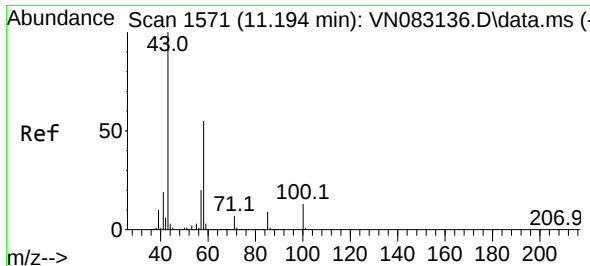


#57
 1,3-Dichloropropane
 Concen: 1.423 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN083558.D
 Acq: 29 Aug 2024 16:01



Tgt Ion: 76 Resp: 4748
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

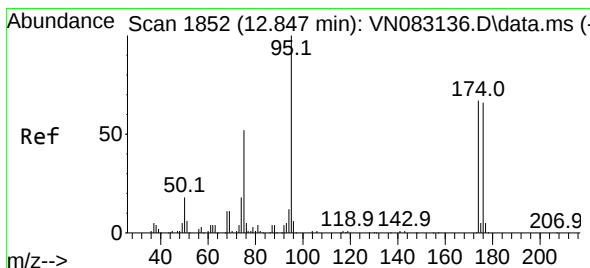
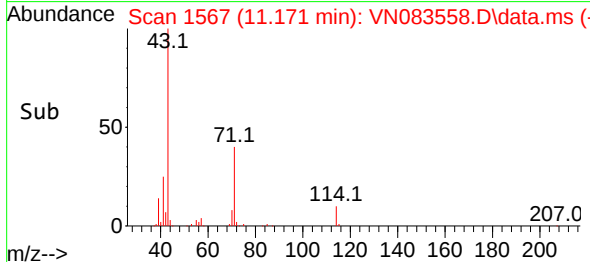
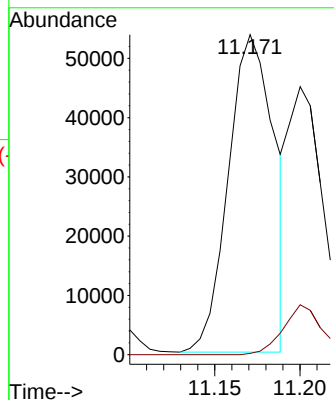
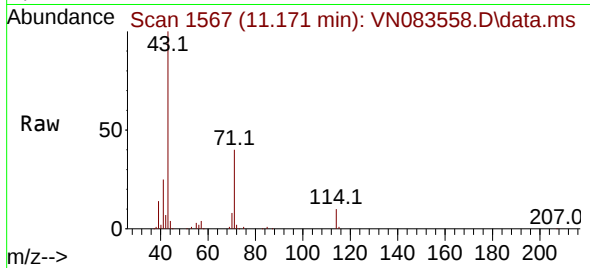




#59
2-Hexanone
Concen: 43.855 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

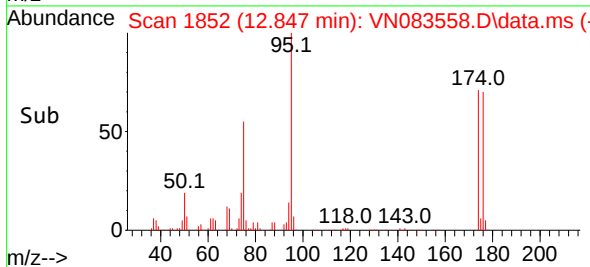
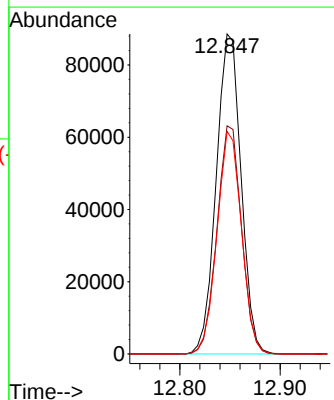
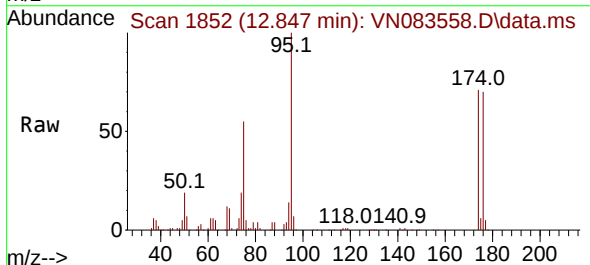
Instrument :
MSVOA_N
ClientSampleId :

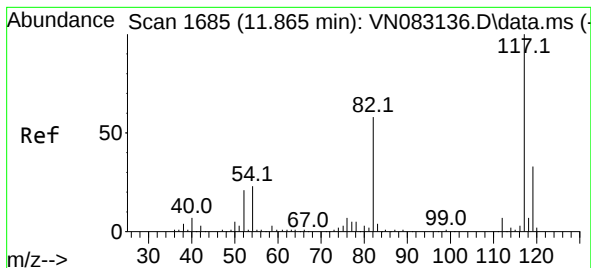
Tgt Ion: 43 Resp: 99670
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 57.158 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

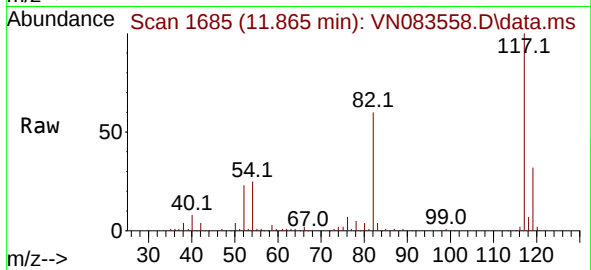
Tgt Ion: 95 Resp: 152459
Ion Ratio Lower Upper
95 100
174 70.4 0.0 159.2
176 68.6 0.0 147.6



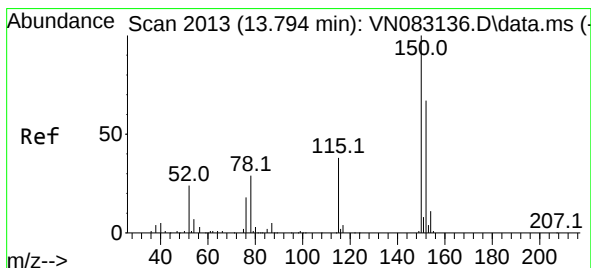
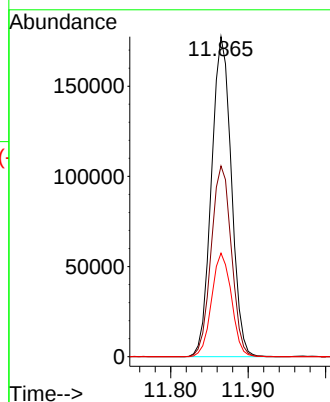
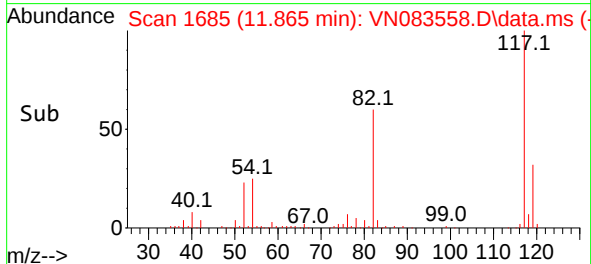


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

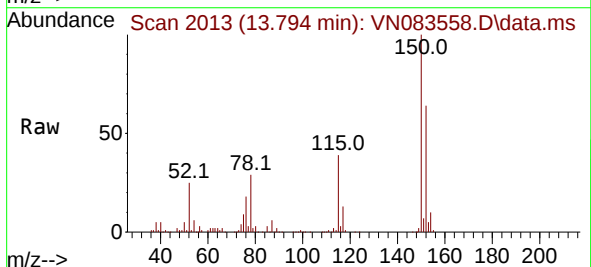
Instrument :
MSVOA_N
ClientSampleId :



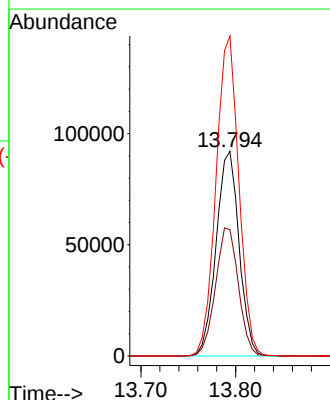
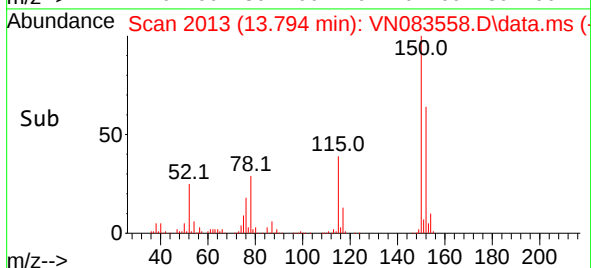
Tgt Ion:117 Resp: 316309
Ion Ratio Lower Upper
117 100
82 59.6 47.5 71.3
119 32.3 25.6 38.4

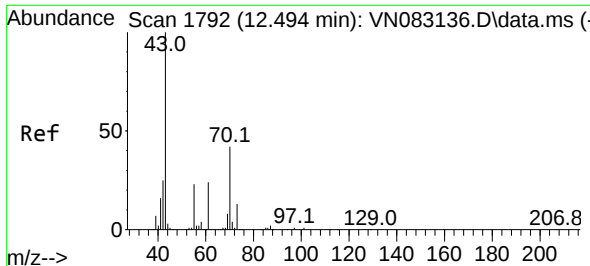


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01



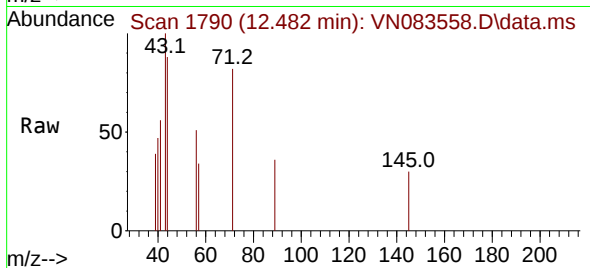
Tgt Ion:152 Resp: 154845
Ion Ratio Lower Upper
152 100
115 62.8 30.6 91.6
150 155.4 0.0 348.6



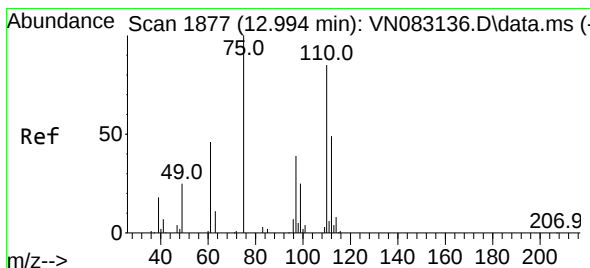
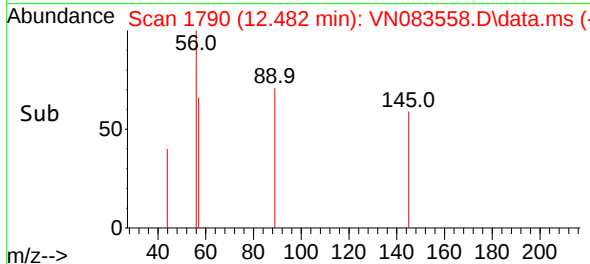
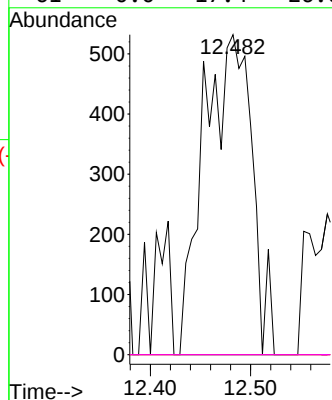


#74
N-amy1 acetate
Concen: 0.281 ug/l
RT: 12.482 min Scan# 1780
Delta R.T. -0.012 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

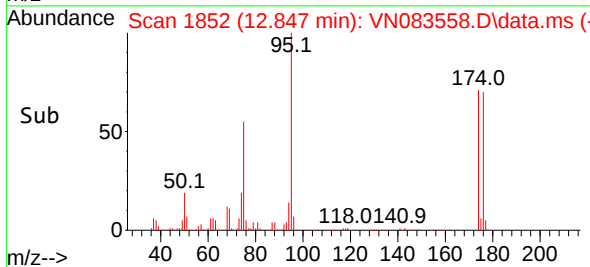
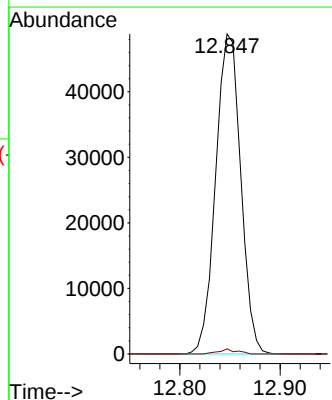
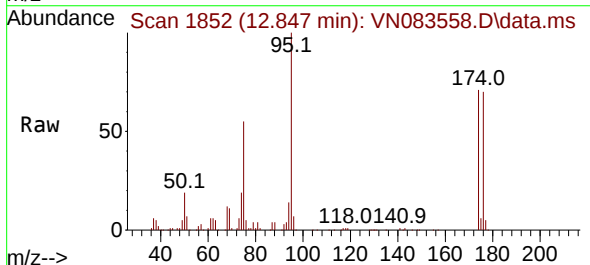


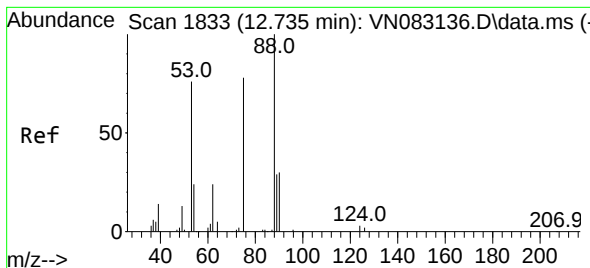
Tgt Ion:	43	Resp:	1780
Ion Ratio	100	Lower	Upper
70	0.0	29.8	44.6#
55	0.0	18.7	28.1#
61	0.0	17.4	26.0#



#76
1,2,3-Trichloropropane
Concen: 24.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

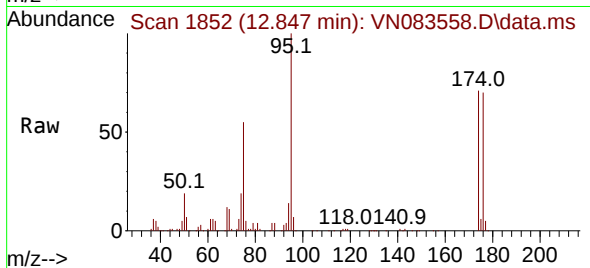
Tgt Ion:	75	Resp:	84723
Ion Ratio	100	Lower	Upper
77	1.1	110.9	332.6#



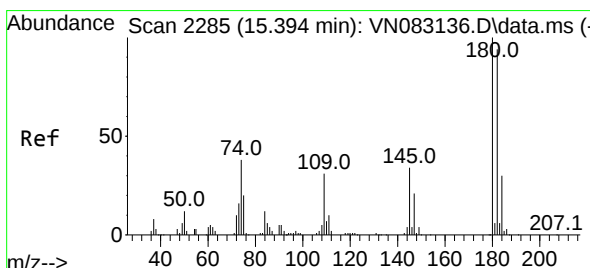
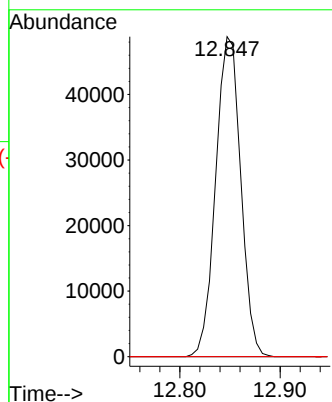
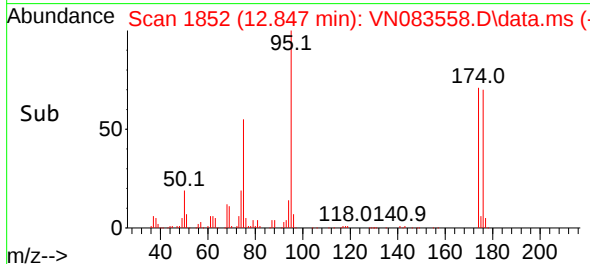


#81
trans-1,4-Dichloro-2-butene
Concen: 54.228 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

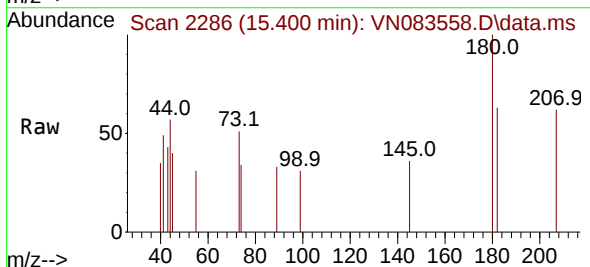
Instrument :
MSVOA_N
ClientSampleId :



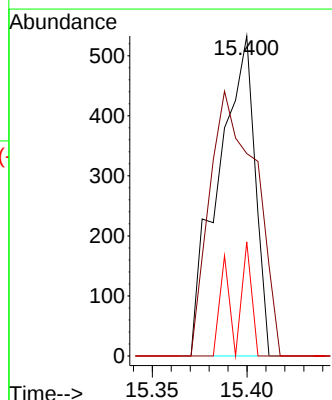
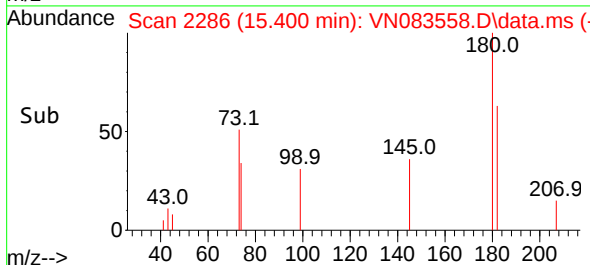
Tgt Ion: 75 Resp: 84723
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

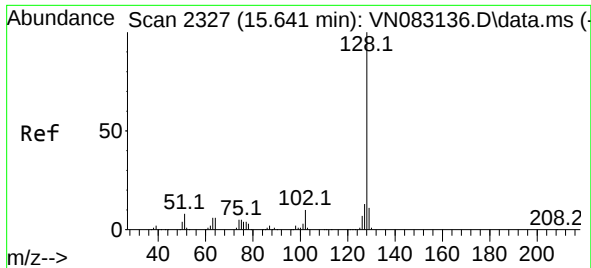


#93
1,2,4-Trichlorobenzene
Concen: 0.244 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01



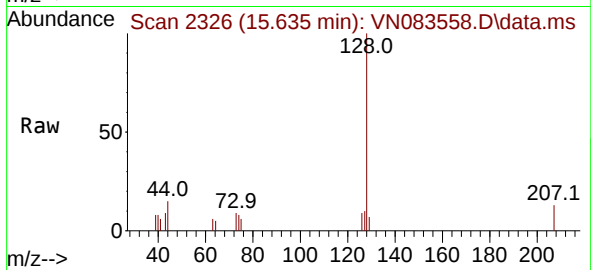
Tgt Ion: 180 Resp: 715
Ion Ratio Lower Upper
180 100
182 104.1 47.3 141.8
145 8.3 15.7 47.1#





#95
Naphthalene
Concen: 0.525 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN083558.D
Acq: 29 Aug 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	5461
Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.6	16.0
129	9.4	8.6	12.8

