

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083518.D
 Acq On : 27 Aug 2024 18:43
 Operator : JC\MD
 Sample : P3739-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:51:28 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)

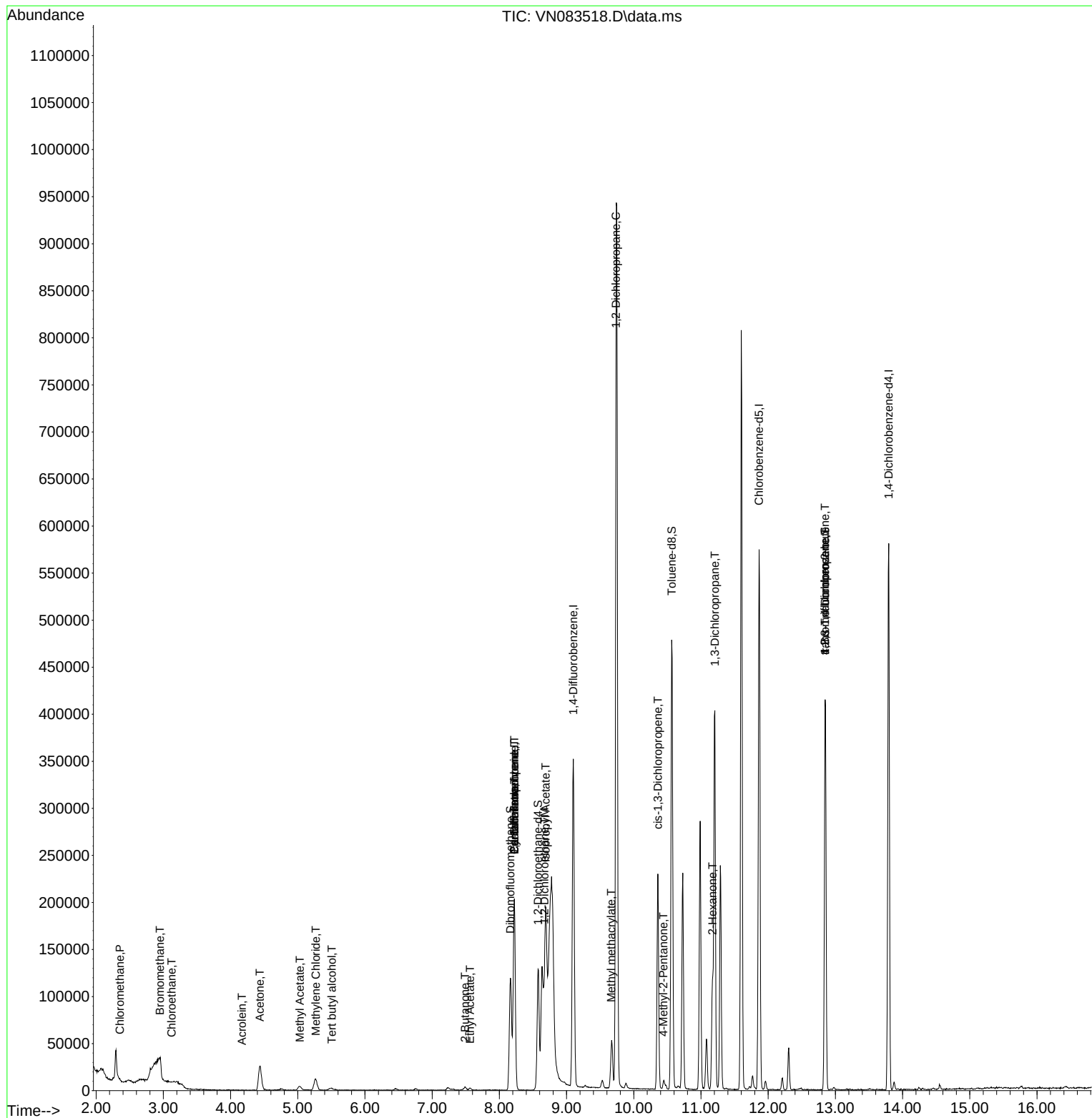
Internal Standards						
1) Pentafluorobenzene	8.224	168	141117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	288775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110791	55.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.320%			
35) Dibromofluoromethane	8.165	113	87768	48.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.380%			
50) Toluene-d8	10.565	98	323937	48.179	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.847	95	149807	57.151	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.300%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	443	0.270	ug/l #	43
5) Bromomethane	2.947	94	291	0.281	ug/l #	1
6) Chloroethane	3.124	64	531	0.508	ug/l #	41
11) Tert butyl alcohol	5.506	59	2181	5.225	ug/l #	71
13) Acrolein	4.171	56	128	0.470	ug/l #	14
16) Acetone	4.436	43	50377	64.095	ug/l	95
18) Methyl Acetate	5.030	43	10158	4.338	ug/l	98
20) Methylene Chloride	5.271	84	9876	5.460	ug/l #	81
25) 2-Butanone	7.488	43	6038	5.003	ug/l	92
31) Cyclohexane	8.224	56	3510	1.179	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13042	4.783	ug/l #	51
37) Ethyl Acetate	7.565	43	3442	1.127	ug/l #	92
38) Carbon Tetrachloride	8.224	117	16404	5.341	ug/l #	18
42) 1,2-Dichloroethane	8.671	62	1252	0.423	ug/l #	78
43) Isopropyl Acetate	8.688	43	242749	45.561	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	1141	0.592	ug/l #	44
48) Methyl methacrylate	9.665	41	3842	1.522	ug/l #	52
51) 4-Methyl-2-Pentanone	10.441	43	9984	3.458	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	38878	11.483	ug/l #	55
57) 1,3-Dichloropropane	11.206	76	4204	1.282	ug/l #	43
59) 2-Hexanone	11.171	43	94193	42.173	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	83251	25.256	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83251	54.938	ug/l #	6

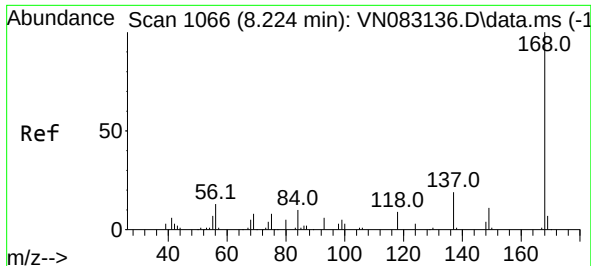
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN083518.D
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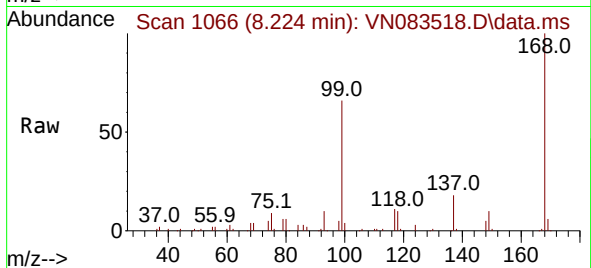
Quant Time: Aug 28 01:51:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
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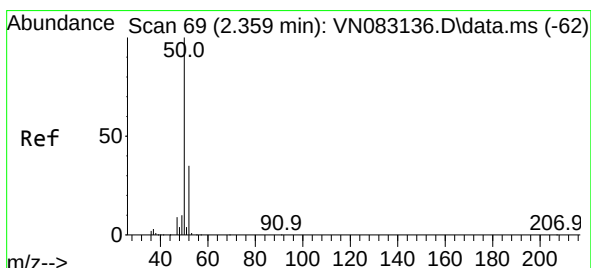
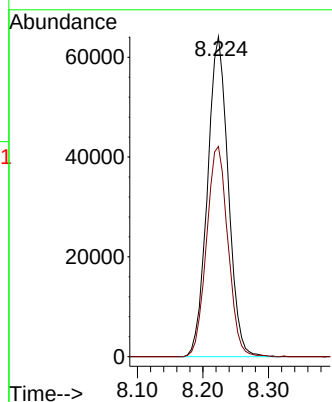
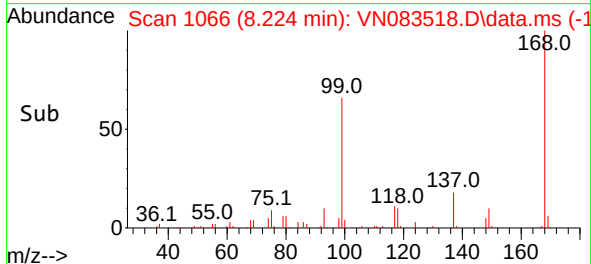


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

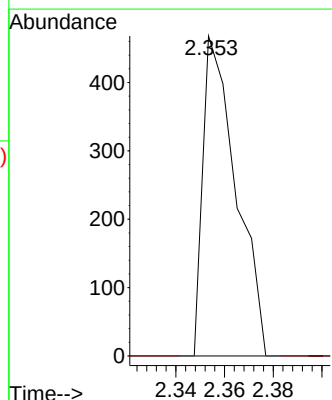
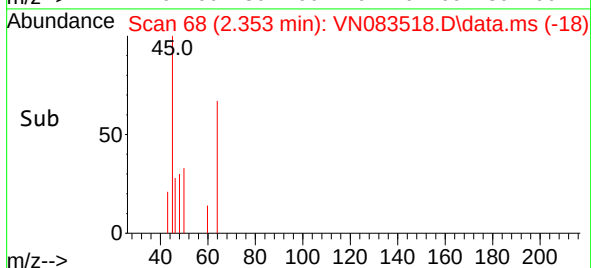
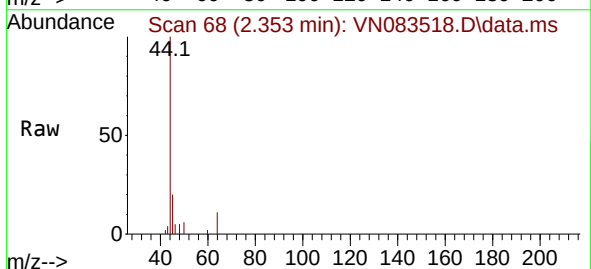


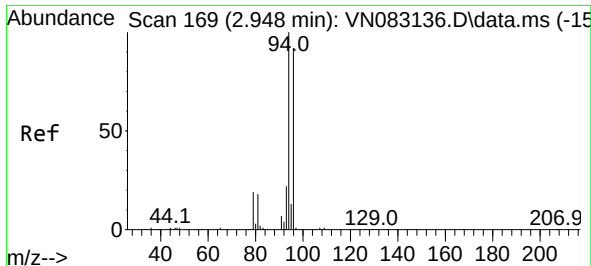
Tgt Ion:168 Resp: 141117
Ion Ratio Lower Upper
168 100
99 65.7 48.2 72.4



#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

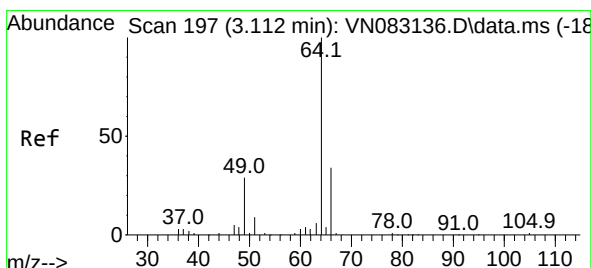
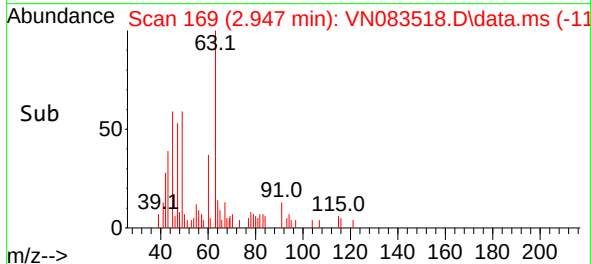
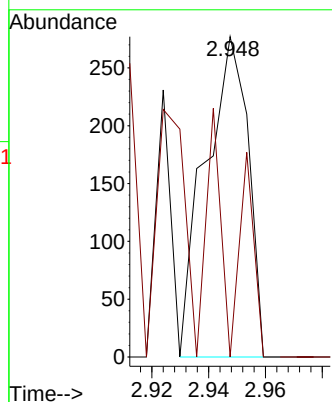
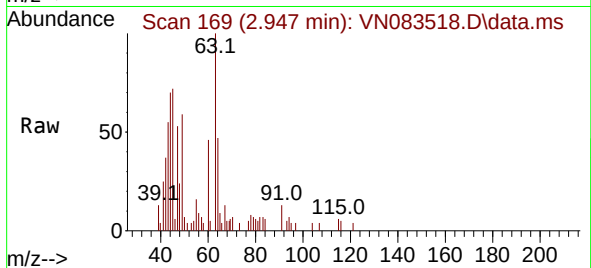




#5
Bromomethane
Concen: 0.281 ug/l
RT: 2.947 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

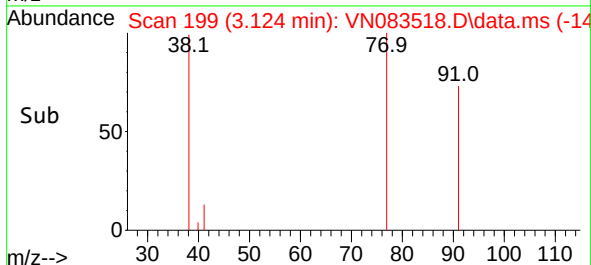
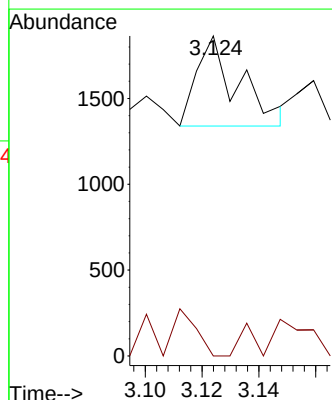
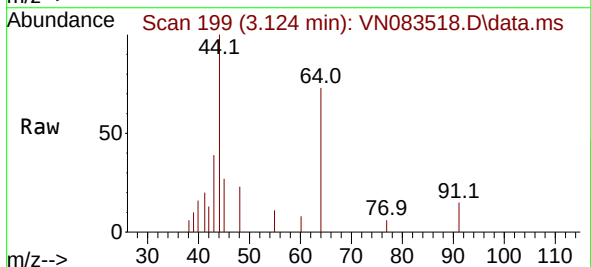
Instrument :
MSVOA_N
ClientSampleId :

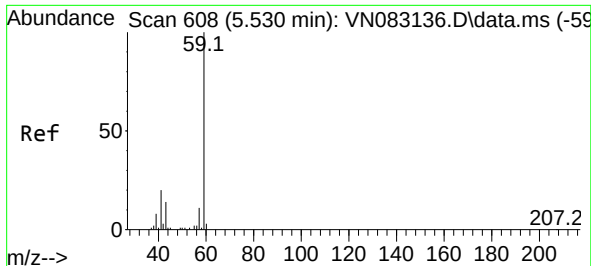
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#



#6
Chloroethane
Concen: 0.508 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

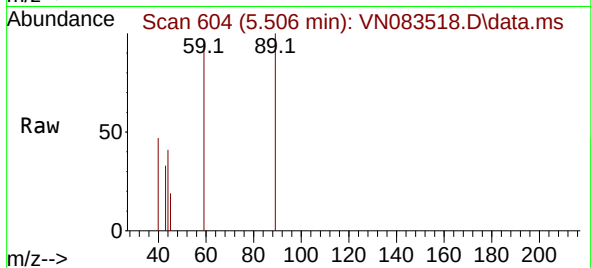
Tgt Ion: 64 Resp: 531
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



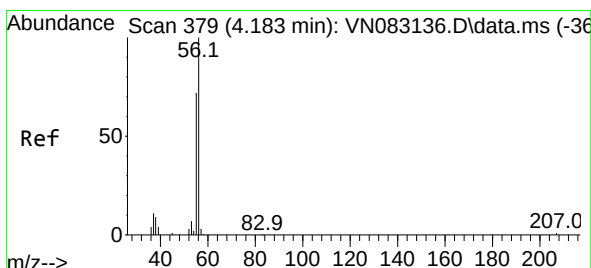
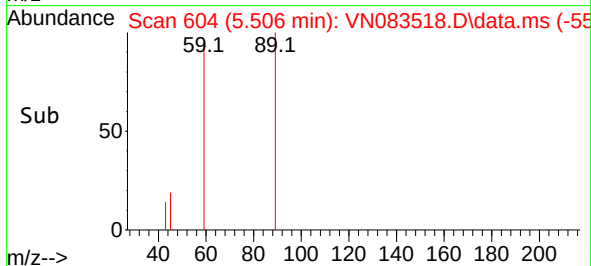
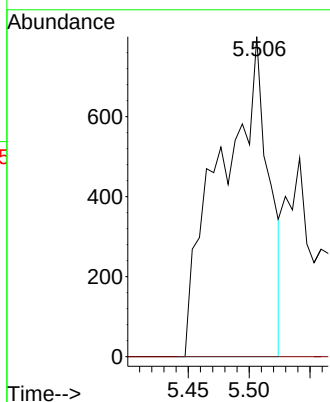


#11
Tert butyl alcohol
Concen: 5.225 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

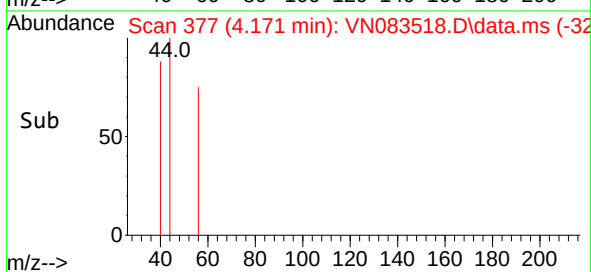
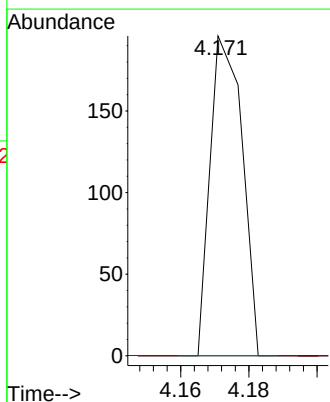
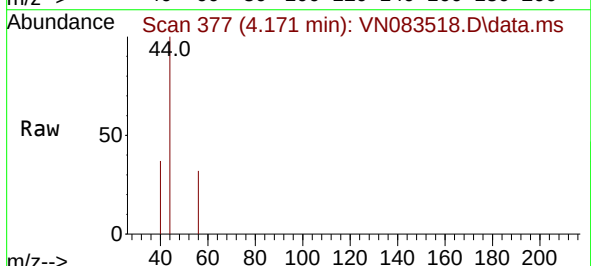


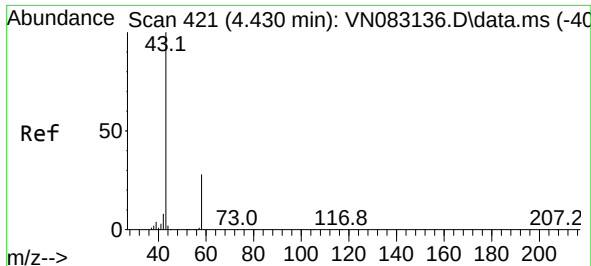
Tgt Ion: 59 Resp: 2181
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.470 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.012 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

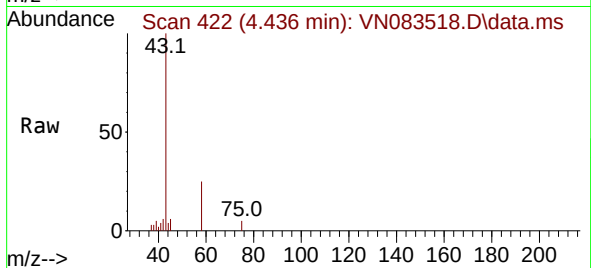
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



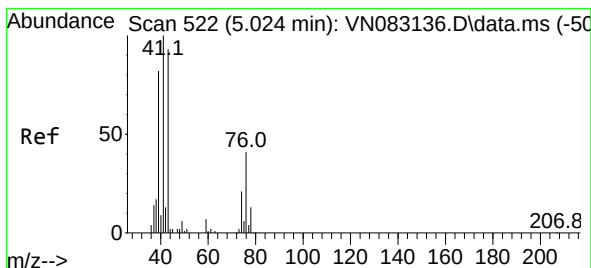
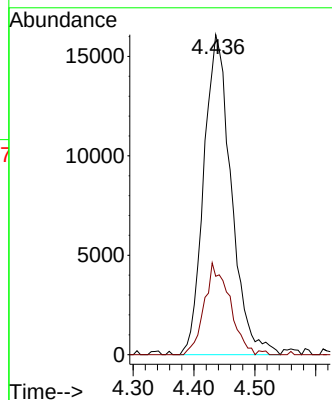
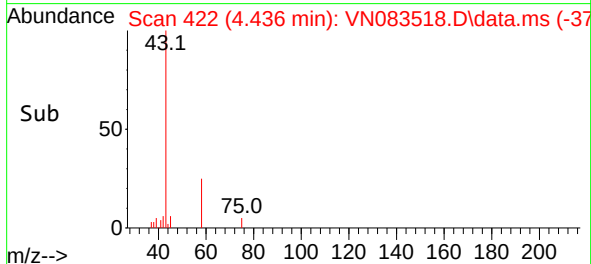


#16
Acetone
Concen: 64.095 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

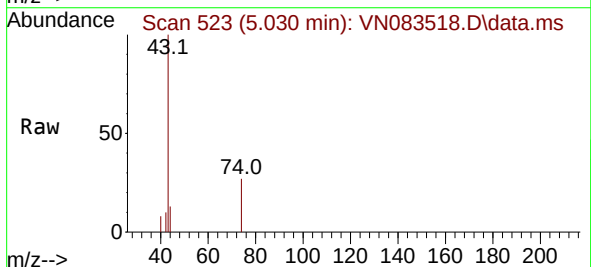
Instrument :
MSVOA_N
ClientSampleId :



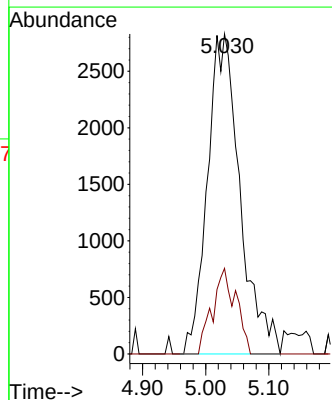
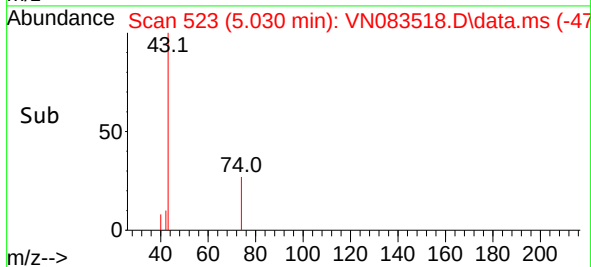
Tgt Ion: 43 Resp: 50377
Ion Ratio Lower Upper
43 100
58 24.5 21.8 32.6

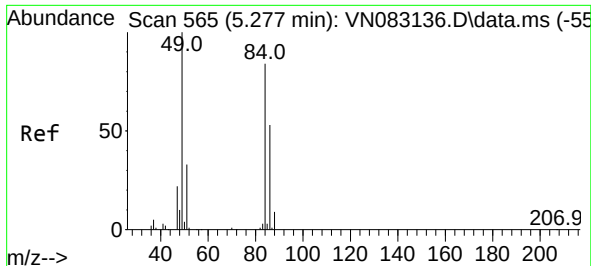


#18
Methyl Acetate
Concen: 4.338 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43



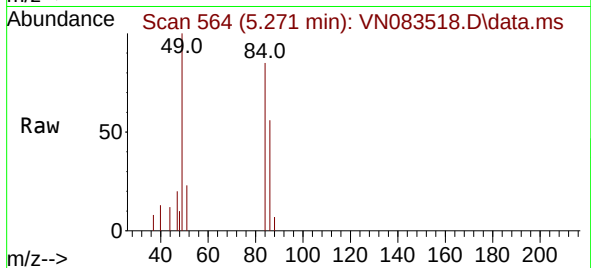
Tgt Ion: 43 Resp: 10158
Ion Ratio Lower Upper
43 100
74 19.2 16.3 24.5



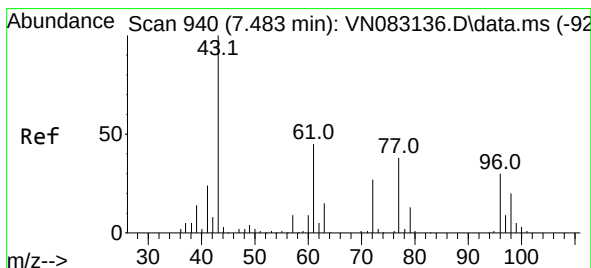
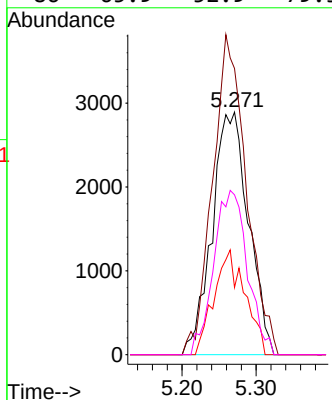
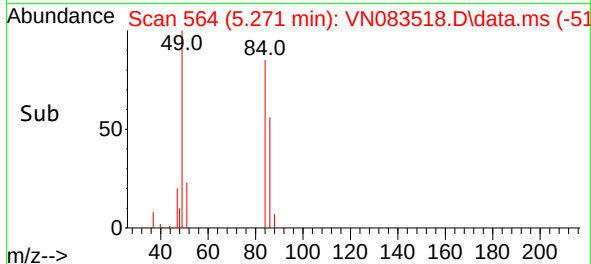


#20
Methylene Chloride
Concen: 5.460 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

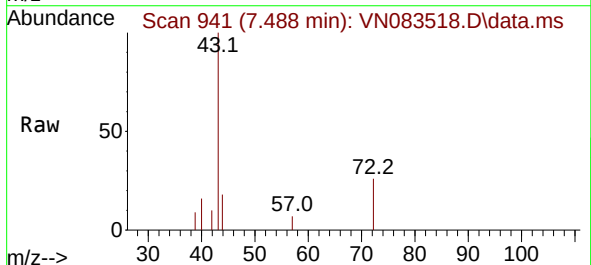
Instrument :
MSVOA_N
ClientSampleId :



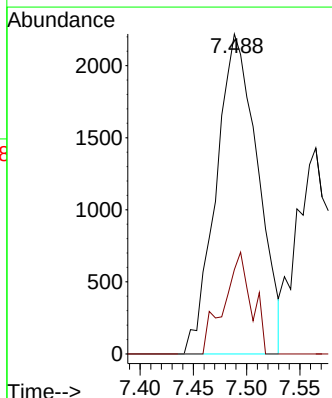
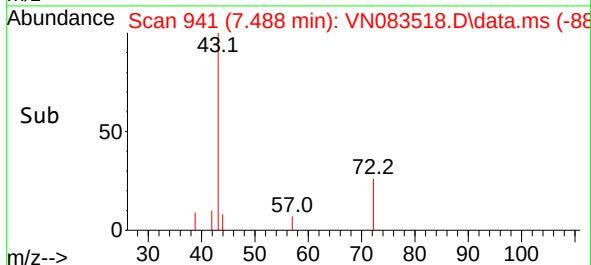
Tgt Ion: 84 Resp: 9876
Ion Ratio Lower Upper
84 100
49 118.0 119.6 179.4#
51 27.7 34.8 52.2#
86 65.9 52.9 79.3

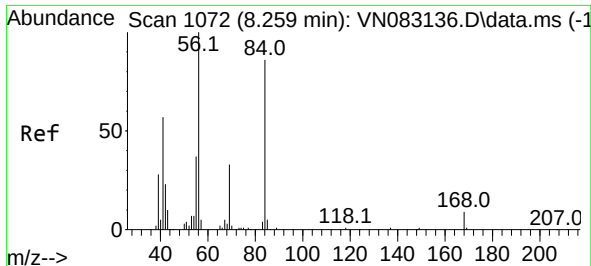


#25
2-Butanone
Concen: 5.003 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43



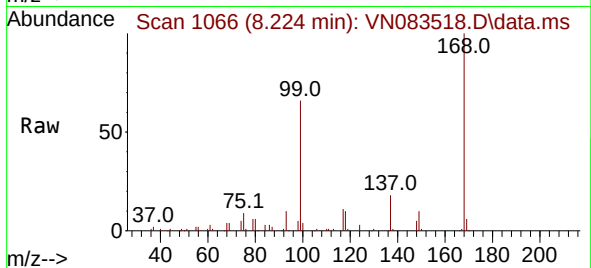
Tgt Ion: 43 Resp: 6038
Ion Ratio Lower Upper
43 100
72 26.4 18.2 27.2



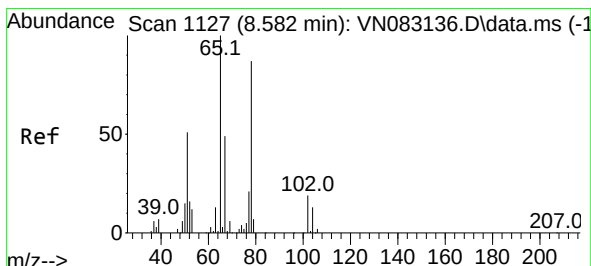
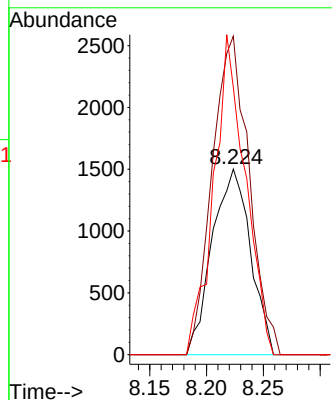
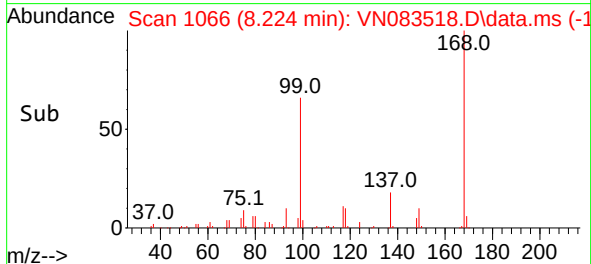


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

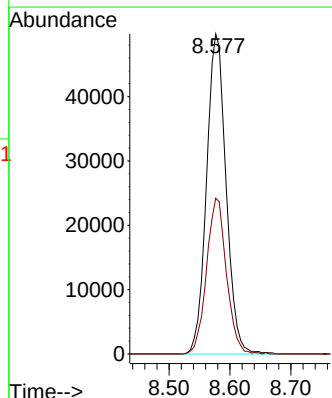
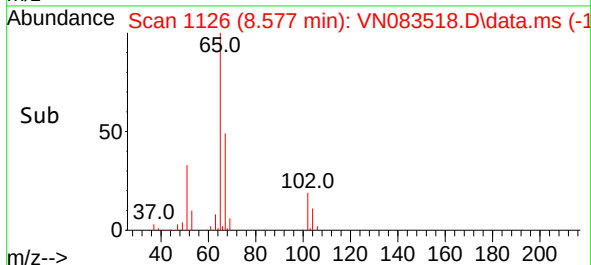
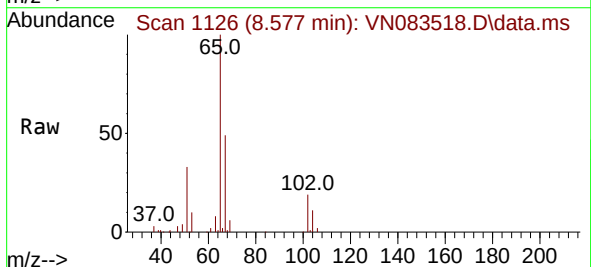


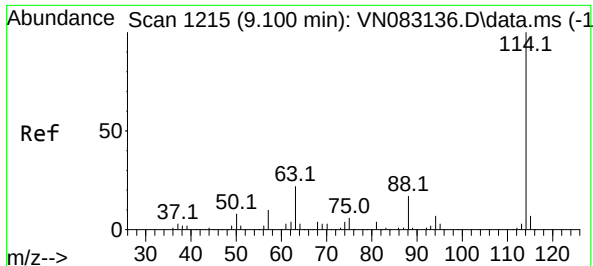
Tgt Ion: 56 Resp: 3510
Ion Ratio Lower Upper
56 100
69 171.6 24.5 36.7#
84 144.0 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.157 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Tgt Ion: 65 Resp: 110791
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.4

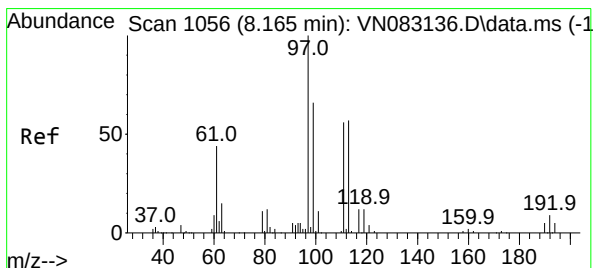
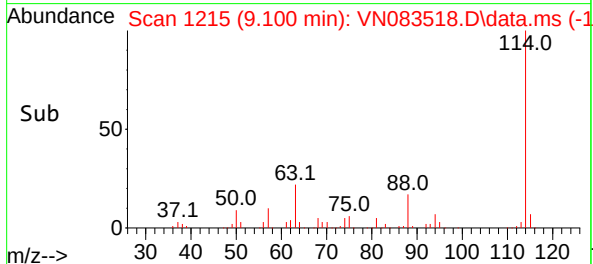
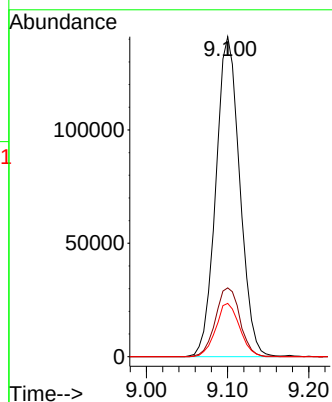
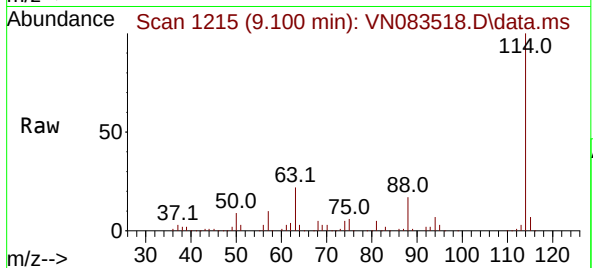




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

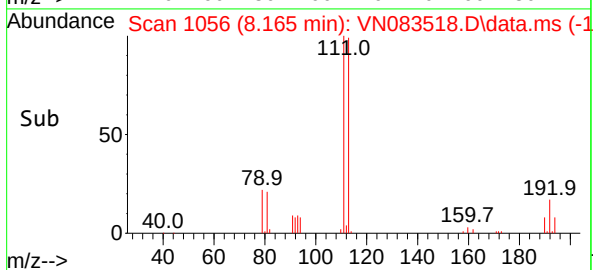
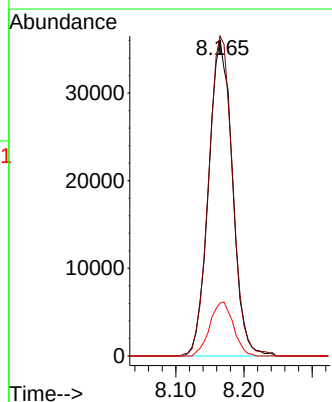
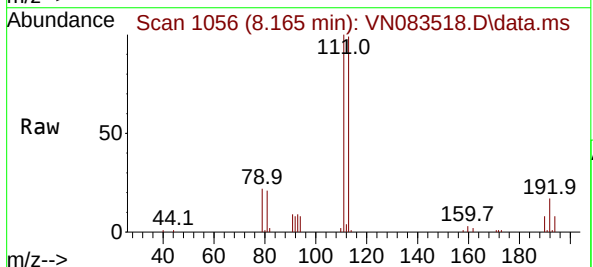
Instrument :
MSVOA_N
ClientSampleId :

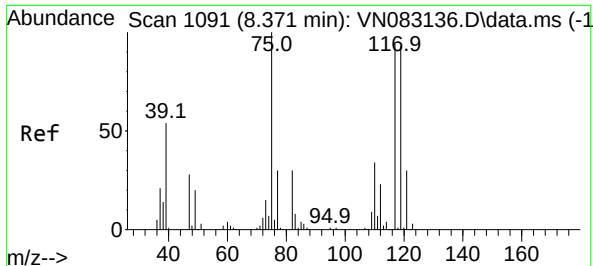
Tgt Ion:114 Resp: 288775
Ion Ratio Lower Upper
114 100
63 21.5 0.0 44.6
88 16.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.693 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Tgt Ion:113 Resp: 87768
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 16.8 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

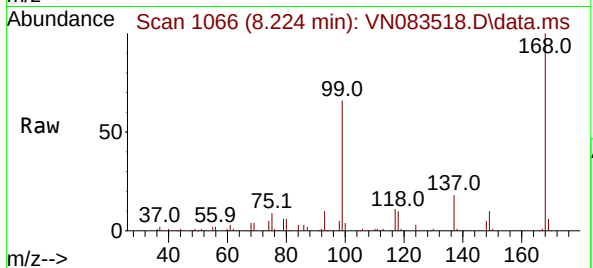
Lab File: VN083518.D

Acq: 27 Aug 2024 18:43

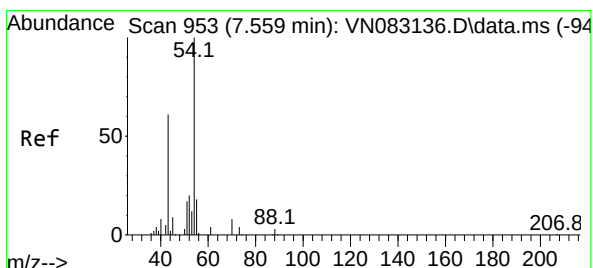
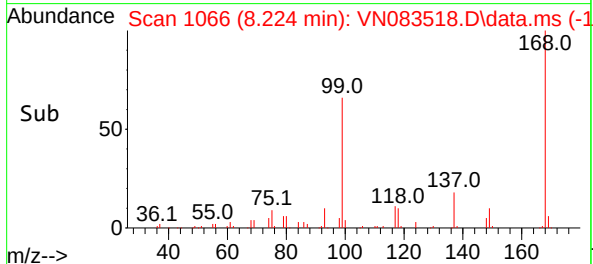
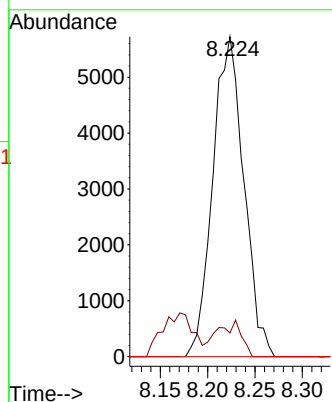
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13042
Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 1.127 ug/l

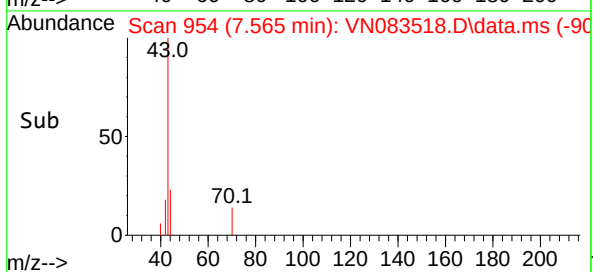
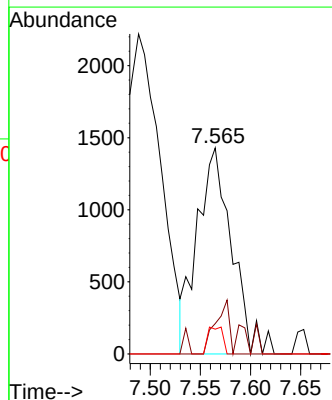
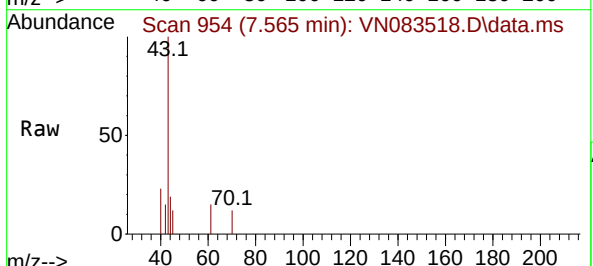
RT: 7.565 min Scan# 954

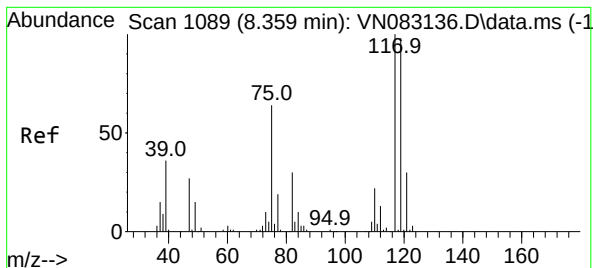
Delta R.T. 0.006 min

Lab File: VN083518.D

Acq: 27 Aug 2024 18:43

Tgt Ion:	43	Resp:	3442
Ion	Ratio	Lower	Upper
43	100		
61	14.3	9.3	13.9#
70	5.6	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 5.341 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

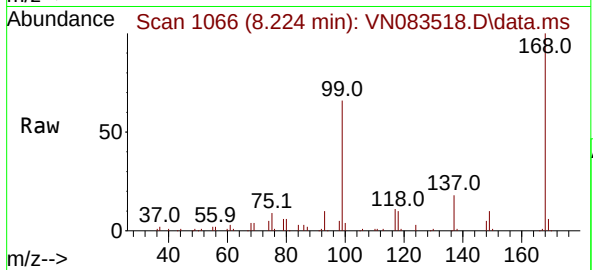
Lab File: VN083518.D

Acq: 27 Aug 2024 18:43

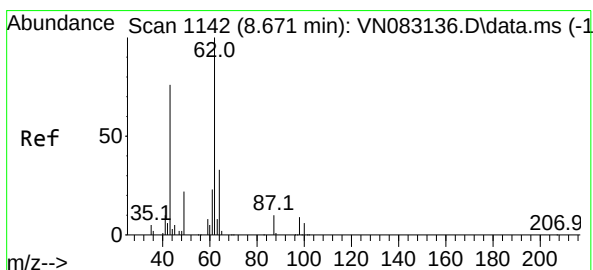
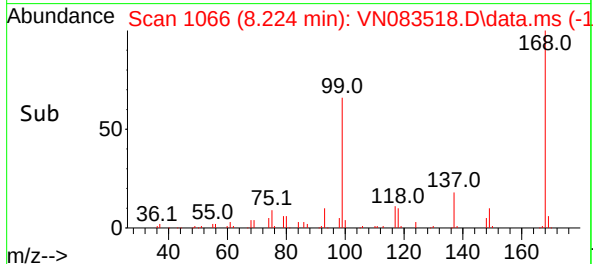
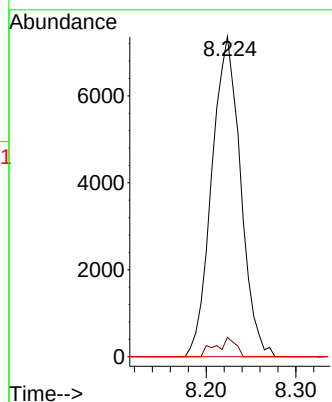
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	117	Resp:	16404
Ion	Ratio	Lower	Upper
117	100		
119	6.0	74.9	112.3#
121	0.0	24.3	36.5#



#42

1,2-Dichloroethane

Concen: 0.423 ug/l

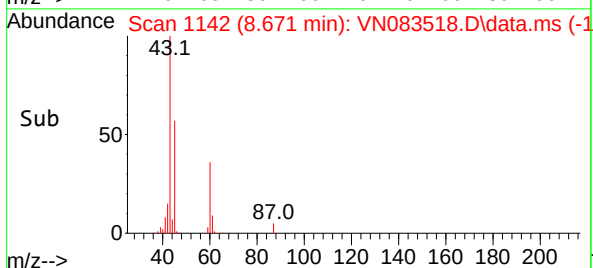
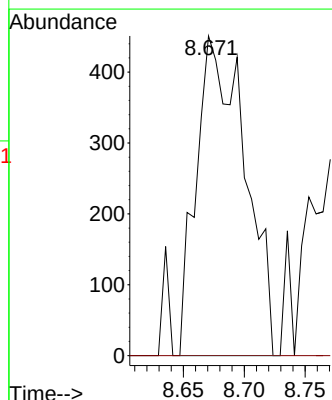
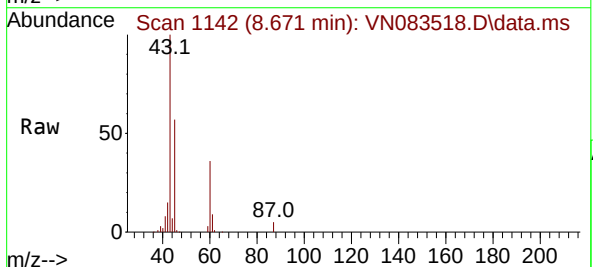
RT: 8.671 min Scan# 1142

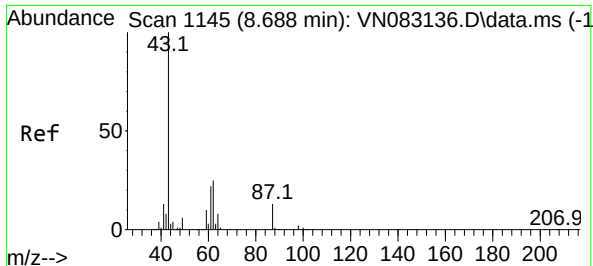
Delta R.T. -0.000 min

Lab File: VN083518.D

Acq: 27 Aug 2024 18:43

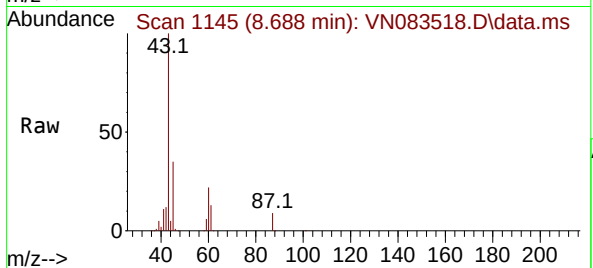
Tgt Ion:	62	Resp:	1252
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8



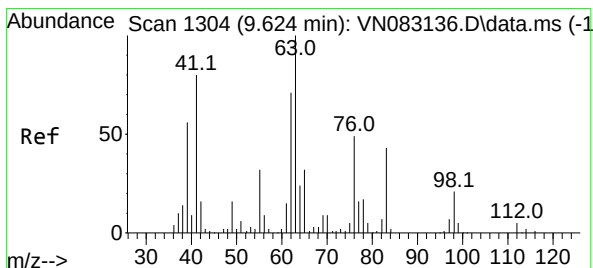
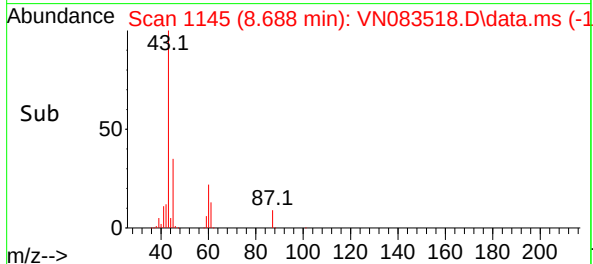
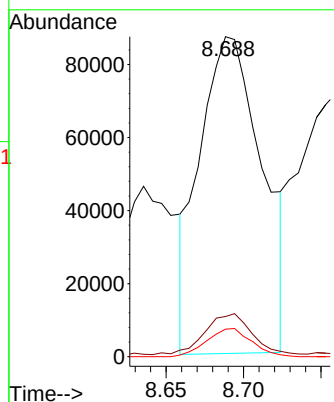


#43
Isopropyl Acetate
Concen: 45.561 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

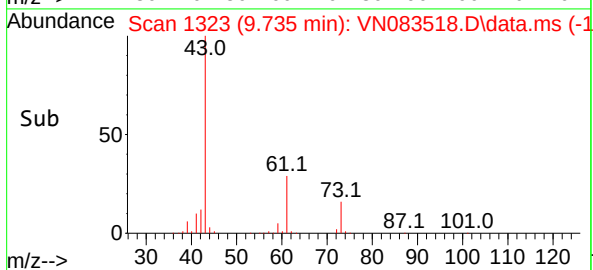
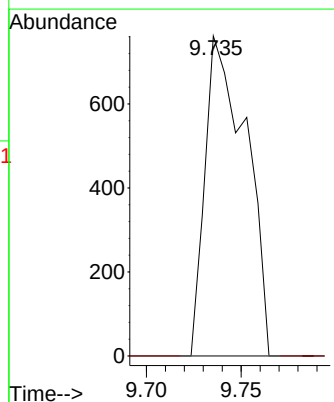
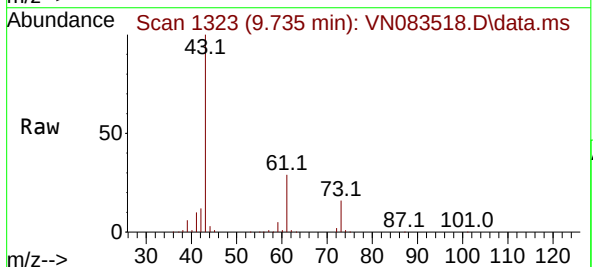


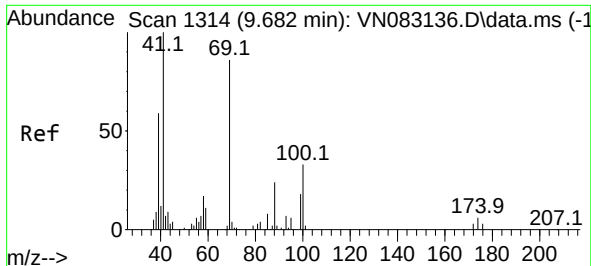
Tgt Ion: 43 Resp: 242749
Ion Ratio Lower Upper
43 100
61 11.1 17.8 26.6#
87 6.4 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.592 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

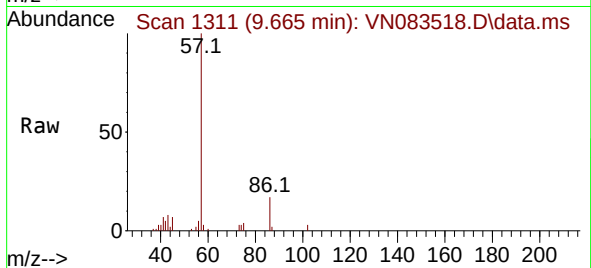
Tgt Ion: 63 Resp: 1141
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



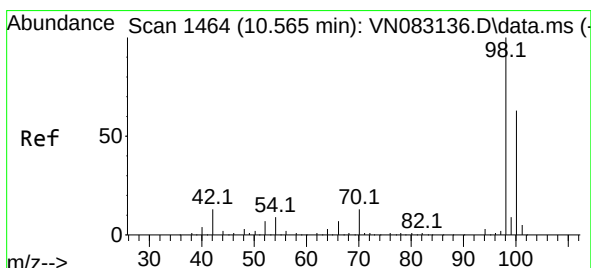
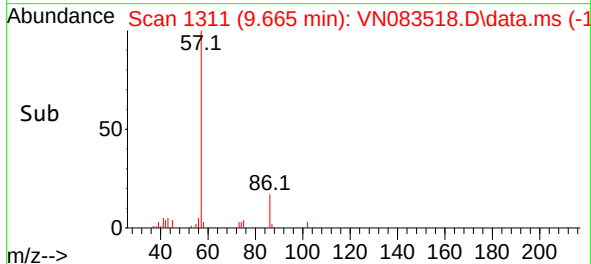
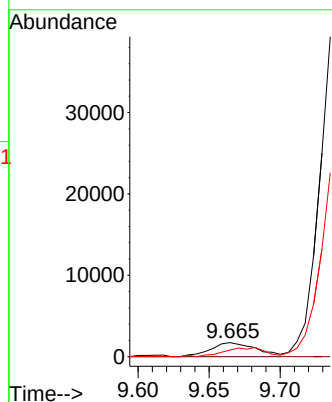


#48
Methyl methacrylate
Concen: 1.522 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :

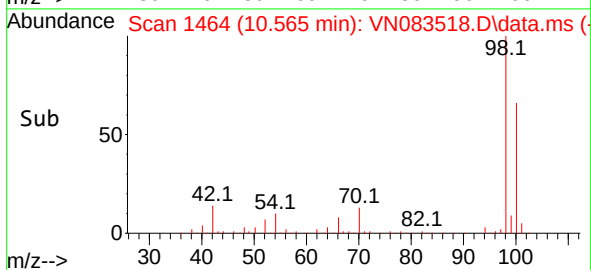
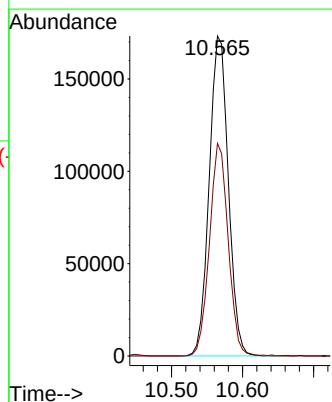
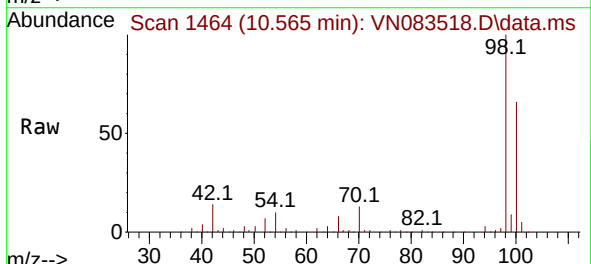


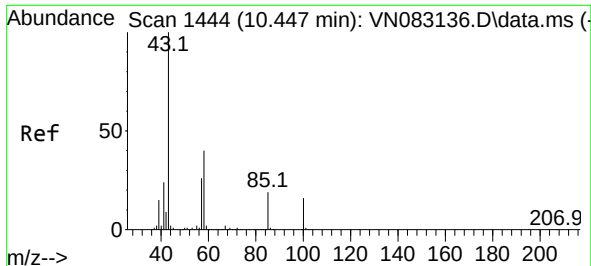
Tgt Ion: 41 Resp: 3842
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 58.3 50.3 75.5



#50
Toluene-d8
Concen: 48.179 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Tgt Ion: 98 Resp: 323937
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3

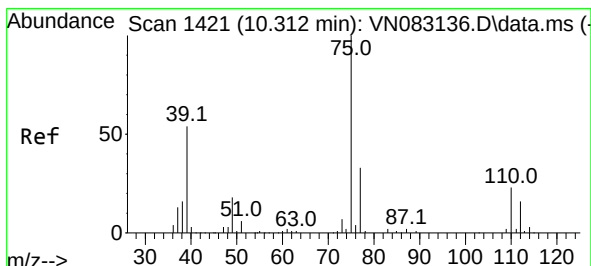
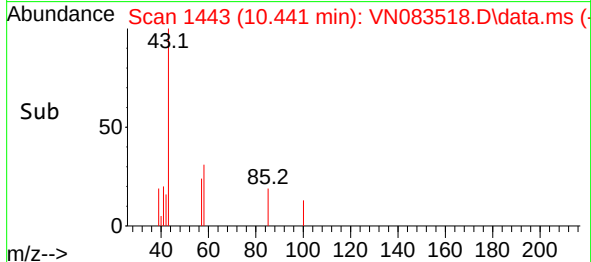
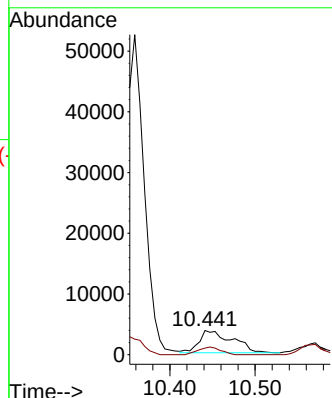
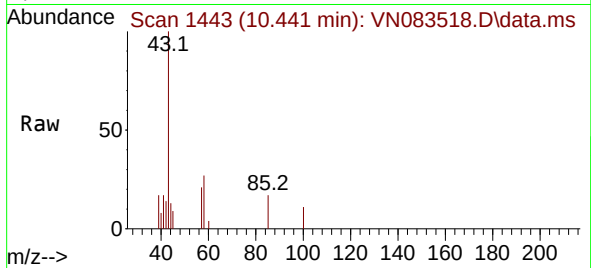




#51
4-Methyl-2-Pentanone
Concen: 3.458 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

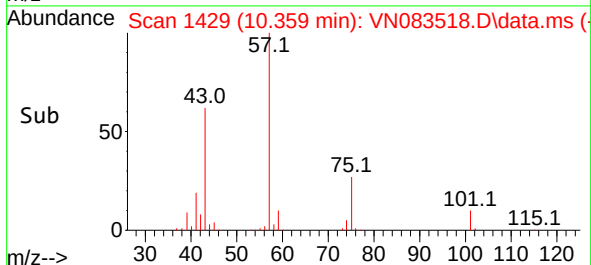
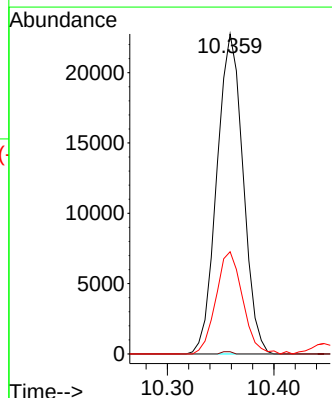
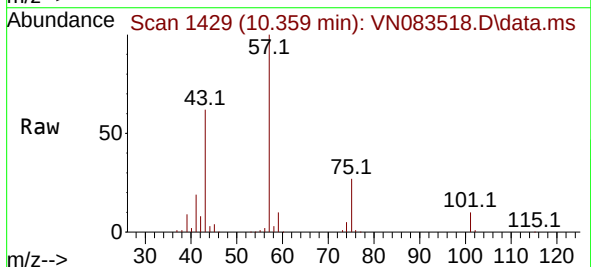
Instrument :
MSVOA_N
ClientSampleId :

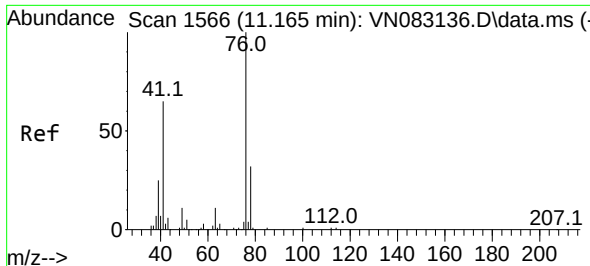
Tgt Ion: 43 Resp: 9984
Ion Ratio Lower Upper
43 100
58 22.8 28.2 42.4#



#54
cis-1,3-Dichloropropene
Concen: 11.483 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Tgt Ion: 75 Resp: 38878
Ion Ratio Lower Upper
75 100
77 0.7 24.3 36.5#
39 31.9 50.5 75.7#





#57

1,3-Dichloropropane

Concen: 1.282 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083518.D

Acq: 27 Aug 2024 18:43

Instrument :

MSVOA_N

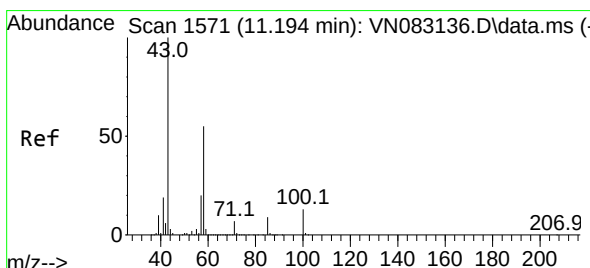
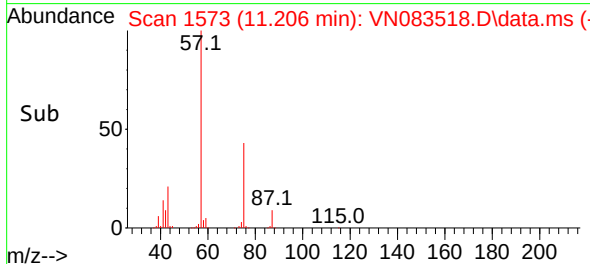
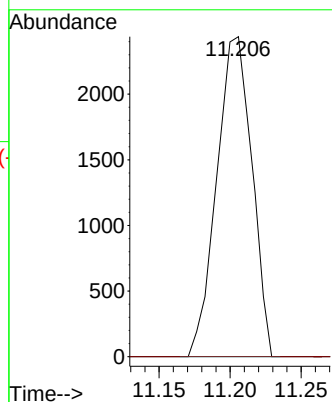
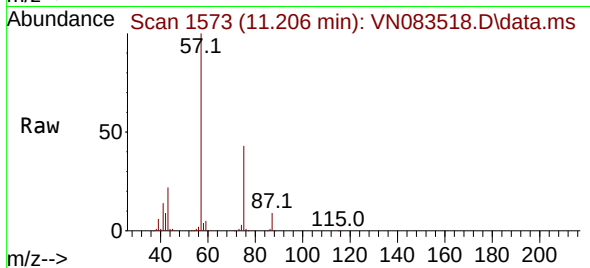
ClientSampleId :

Tgt Ion: 76 Resp: 4204

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 42.173 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083518.D

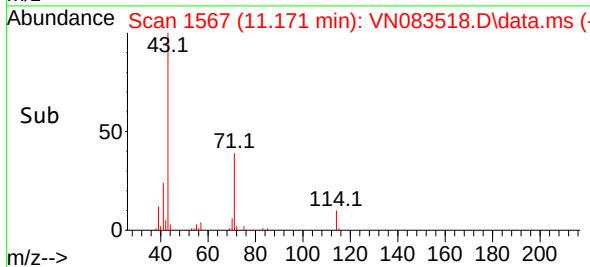
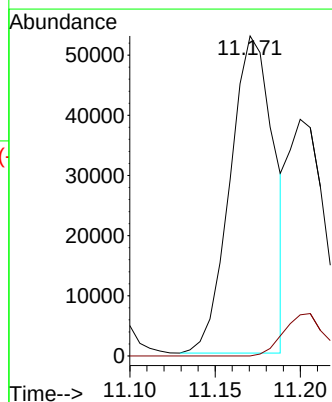
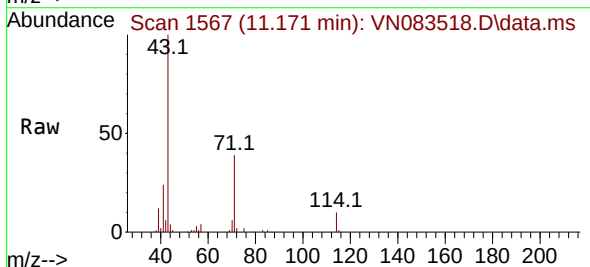
Acq: 27 Aug 2024 18:43

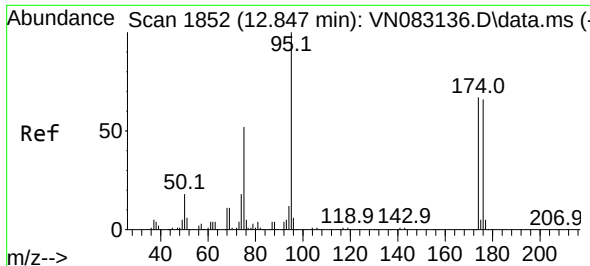
Tgt Ion: 43 Resp: 94193

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

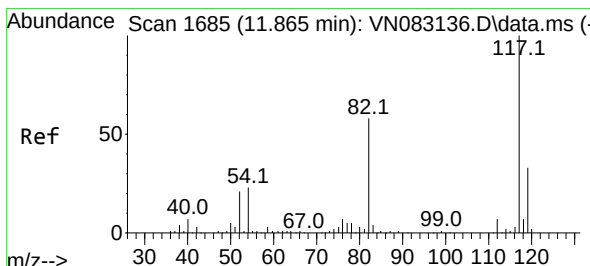
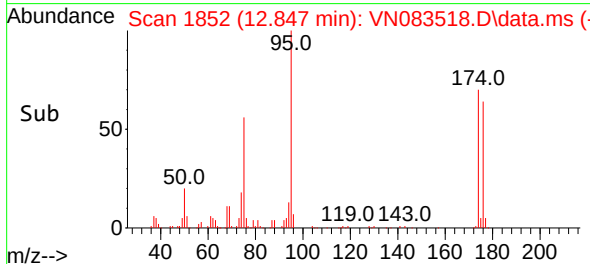
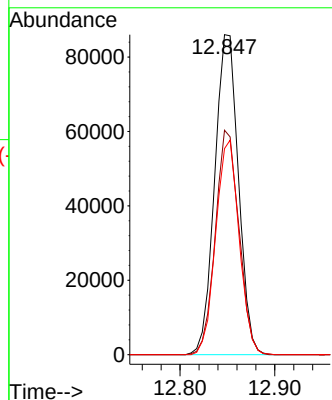
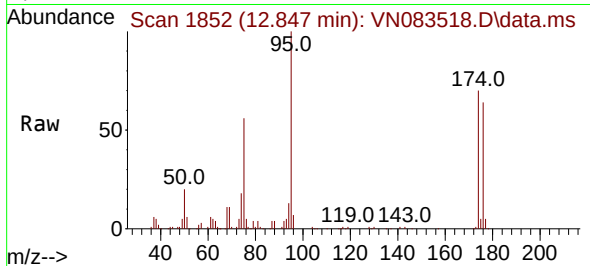




#62
4-Bromofluorobenzene
Concen: 57.151 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

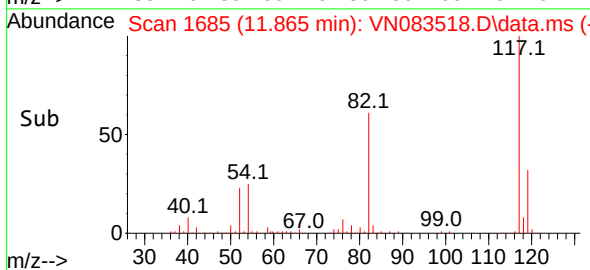
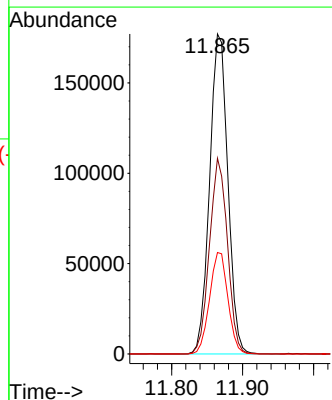
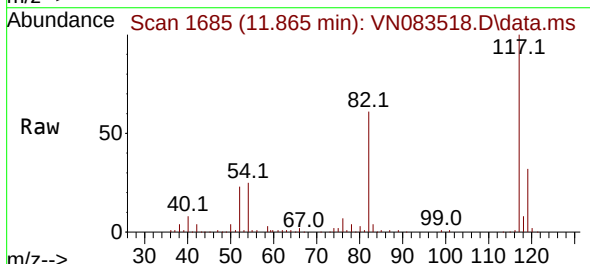
Instrument :
MSVOA_N
ClientSampleId :

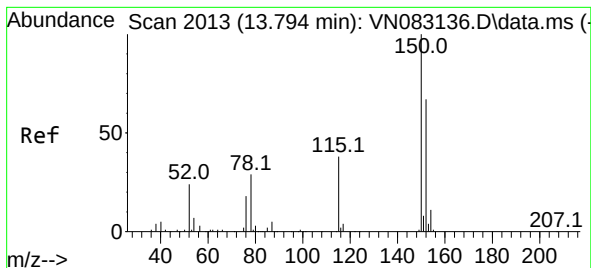
Tgt Ion: 95 Resp: 149807
Ion Ratio Lower Upper
95 100
174 69.7 0.0 159.2
176 66.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083518.D
Acq: 27 Aug 2024 18:43

Tgt Ion: 117 Resp: 315164
Ion Ratio Lower Upper
117 100
82 61.2 47.5 71.3
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

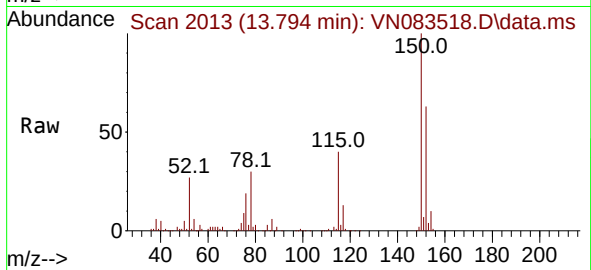
Lab File: VN083518.D

Acq: 27 Aug 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :



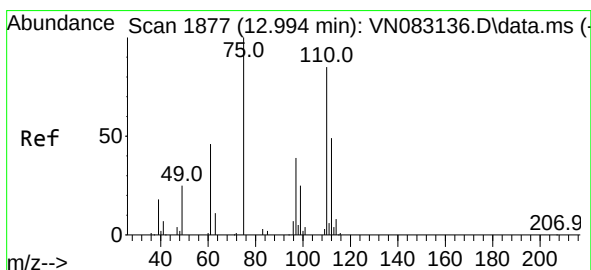
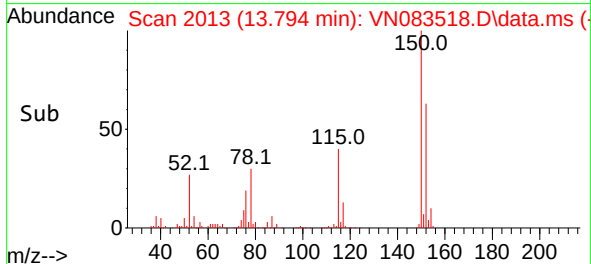
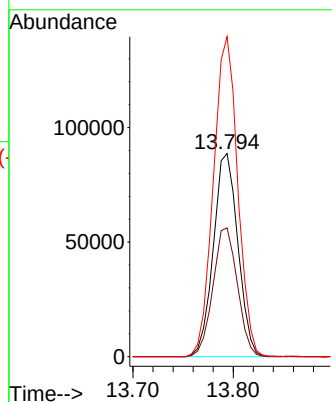
Tgt Ion:152 Resp: 150189

Ion Ratio Lower Upper

152 100

115 63.2 30.6 91.6

150 156.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.256 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083518.D

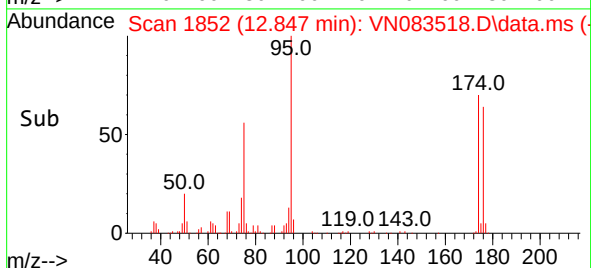
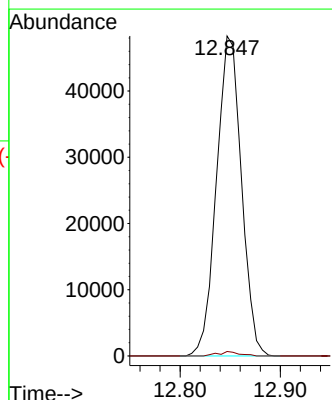
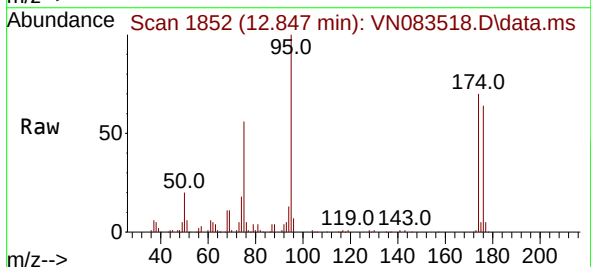
Acq: 27 Aug 2024 18:43

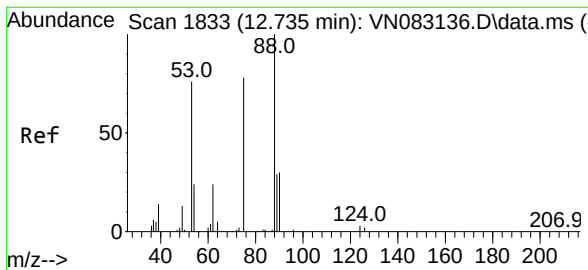
Tgt Ion: 75 Resp: 83251

Ion Ratio Lower Upper

75 100

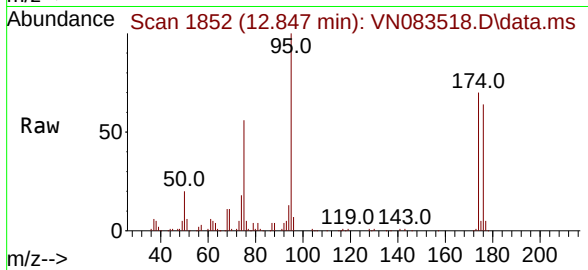
77 1.2 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.938 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083518.D
 Acq: 27 Aug 2024 18:43

Instrument :
 MSVOA_N
 ClientSampleId :



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

