

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080745.D
 Acq On : 22 Jan 2024 18:57
 Operator : JC\MD
 Sample : P1179-12 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 23 03:58:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

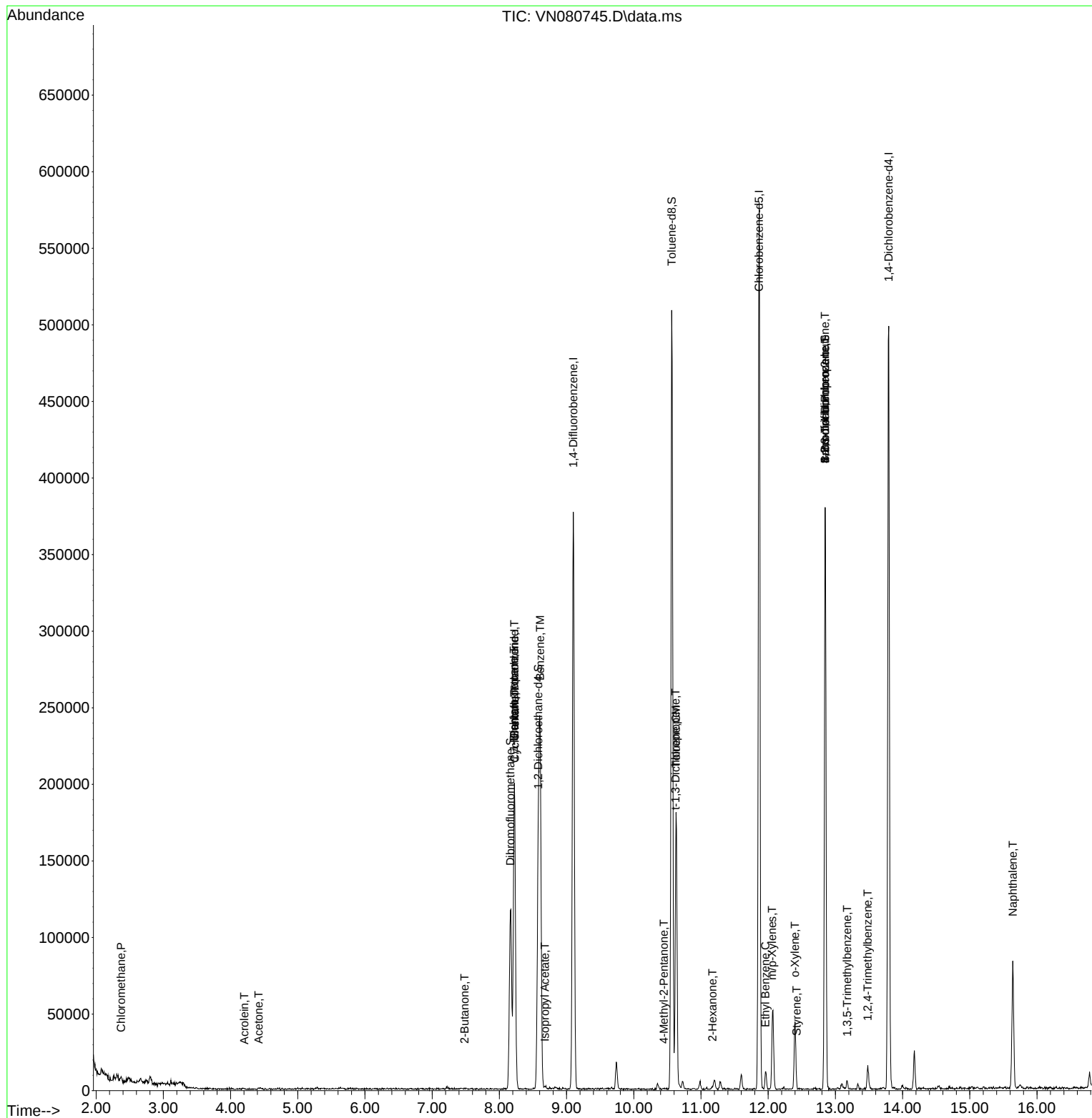
Internal Standards						
1) Pentafluorobenzene	8.224	168	132768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101325	43.458	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.920%		
35) Dibromofluoromethane	8.165	113	82496	48.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.260%		
50) Toluene-d8	10.565	98	340612	52.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.320%		
62) 4-Bromofluorobenzene	12.847	95	131315	52.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.880%		
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	2550	0.396	ug/l	99
6) Chloroethane	3.118	64	121	Below Cal	#	43
13) Acrolein	4.206	56	133	0.404	ug/l #	16
16) Acetone	4.418	43	1066	1.393	ug/l #	80
25) 2-Butanone	7.483	43	496	0.358	ug/l #	37
31) Cyclohexane	8.230	56	4979	1.382	ug/l #	73
36) 1,1-Dichloropropene	8.218	75	13342	3.840	ug/l #	48
38) Carbon Tetrachloride	8.224	117	13709	4.394	ug/l #	12
40) Benzene	8.606	78	221557	22.682	ug/l	93
43) Isopropyl Acetate	8.677	43	2378	0.384	ug/l #	62
51) 4-Methyl-2-Pentanone	10.447	43	856	0.256	ug/l #	31
52) Toluene	10.629	92	75324	13.459	ug/l	100
53) t-1,3-Dichloropropene	10.624	75	963	0.239	ug/l #	1
59) 2-Hexanone	11.171	43	2080	0.843	ug/l #	19
67) Ethyl Benzene	11.959	91	8834	0.705	ug/l	90
68) m/p-Xylenes	12.059	106	15970	3.627	ug/l	89
69) o-Xylene	12.400	106	10625	2.468	ug/l	84
70) Styrene	12.423	104	1941	0.265	ug/l #	26
71) Bromoform	12.847	173	753	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74681	20.430	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	2796	0.298	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.847	75	74681	48.162	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	8179	0.885	ug/l	94
95) Naphthalene	15.641	128	67219	8.138	ug/l	97

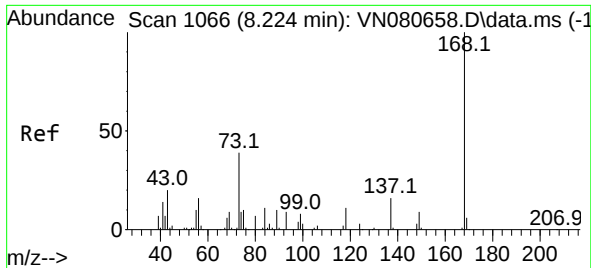
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Jan 23 03:58:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration

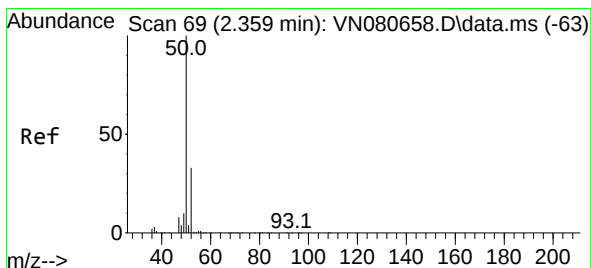
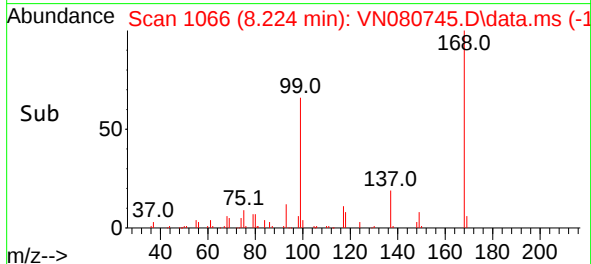
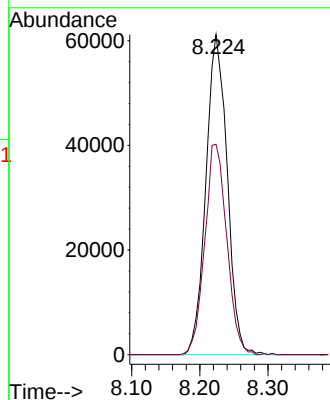
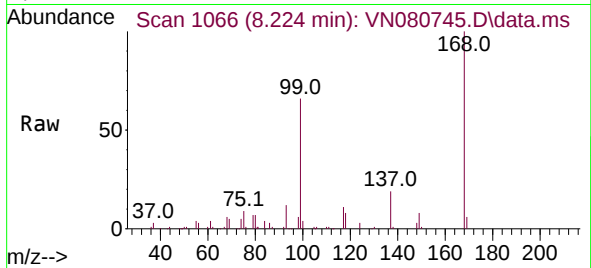




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

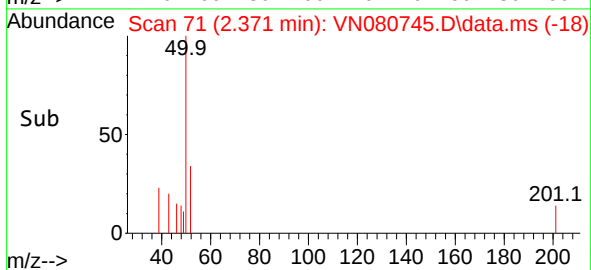
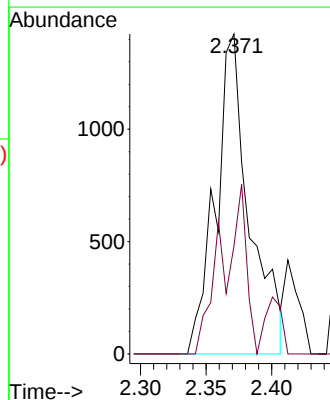
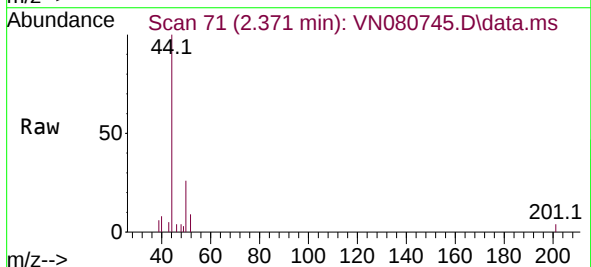
Instrument :
MSVOA_N
ClientSampleId :

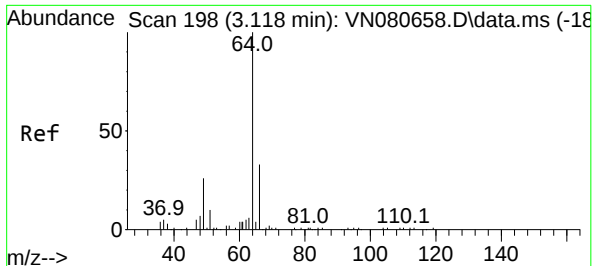
Tgt Ion:168 Resp: 132768
Ion Ratio Lower Upper
168 100
99 65.8 53.0 79.6



#3
Chloromethane
Concen: 0.396 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Tgt Ion: 50 Resp: 2550
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

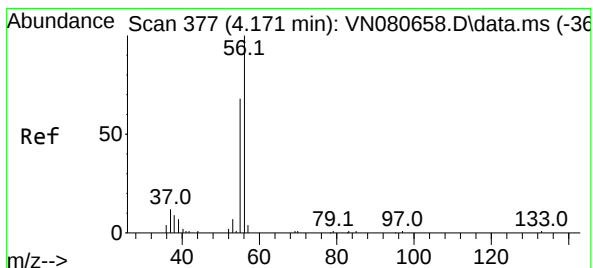
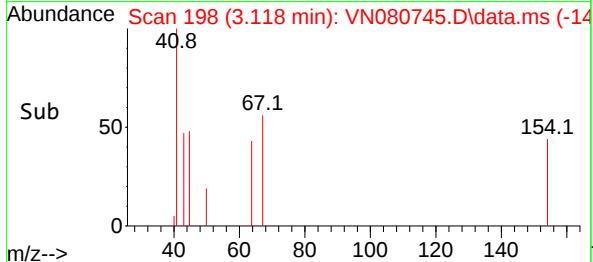
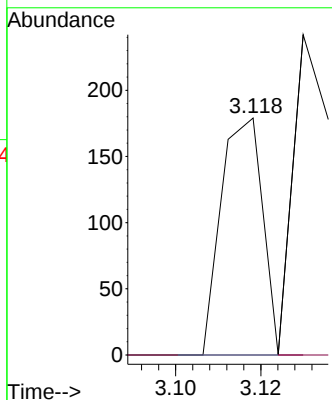
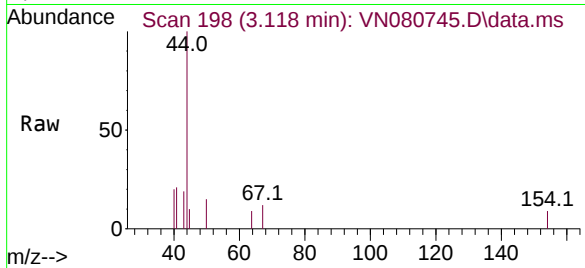




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

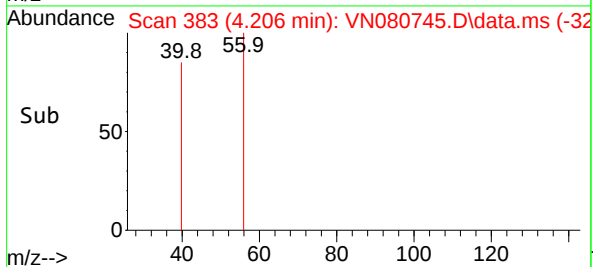
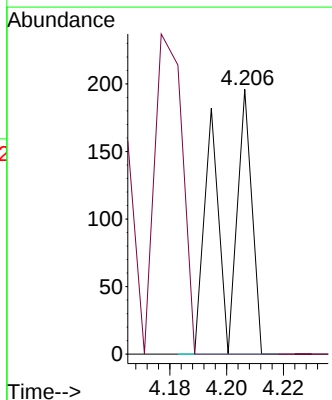
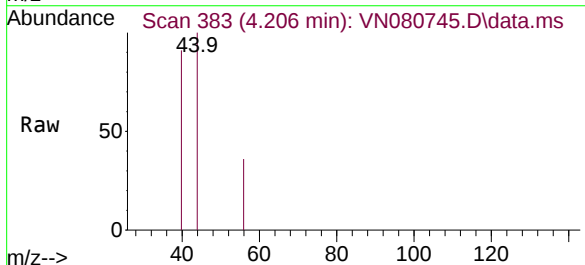
Instrument :
MSVOA_N
ClientSampleId :

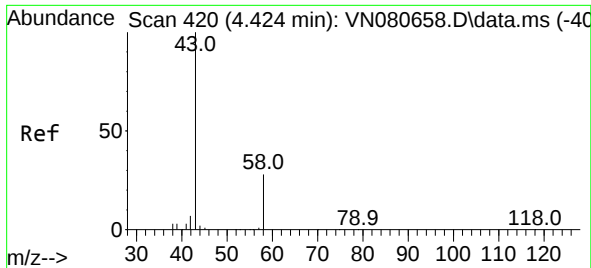
Tgt Ion: 64 Resp: 121
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.404 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.035 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

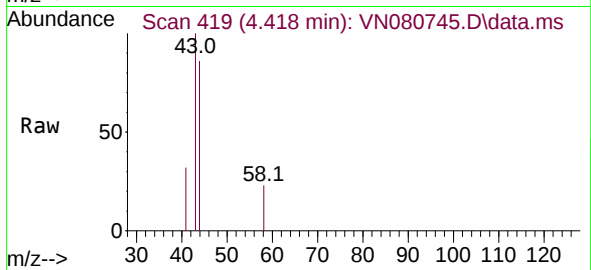
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



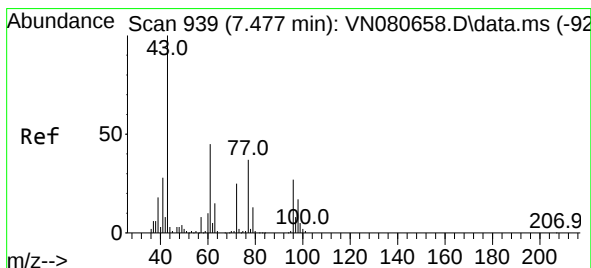
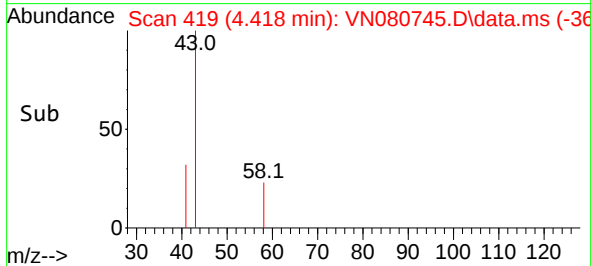
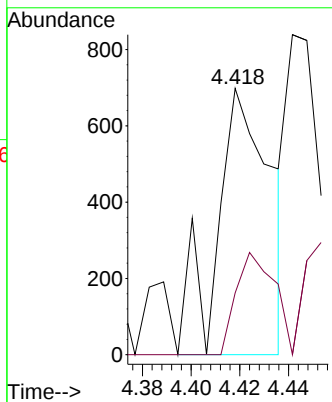


#16
Acetone
Concen: 1.393 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

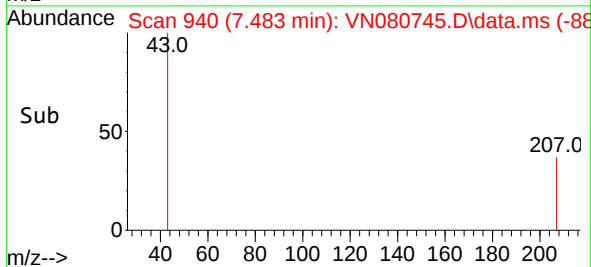
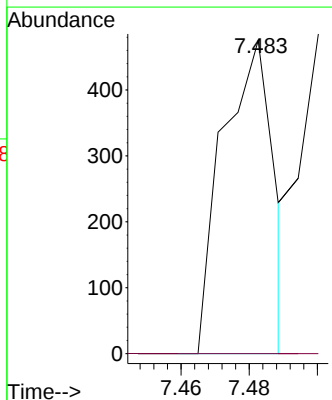
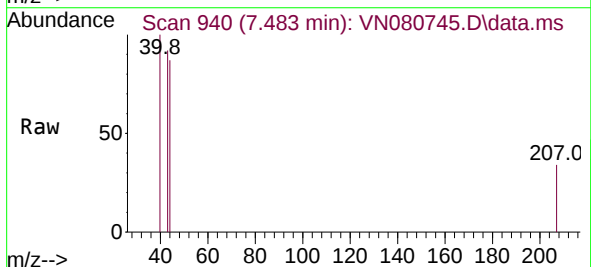


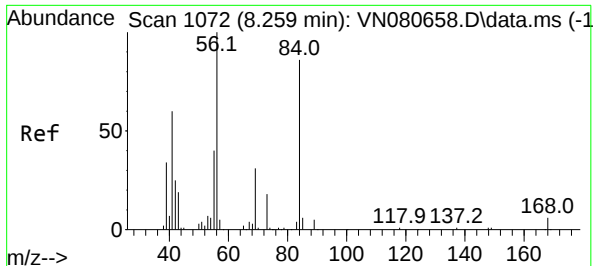
Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
58 23.2 28.0 42.0#



#25
2-Butanone
Concen: 0.358 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.382 ug/l

RT: 8.230 min Scan# 1072

Delta R.T. -0.029 min

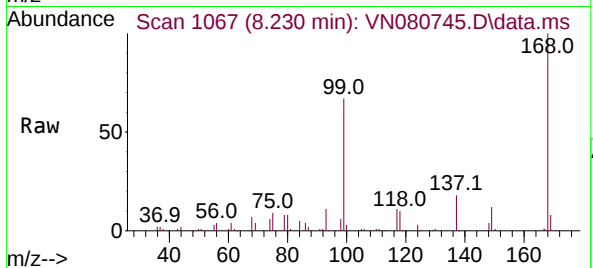
Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :



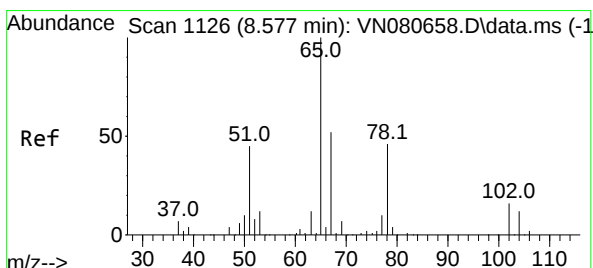
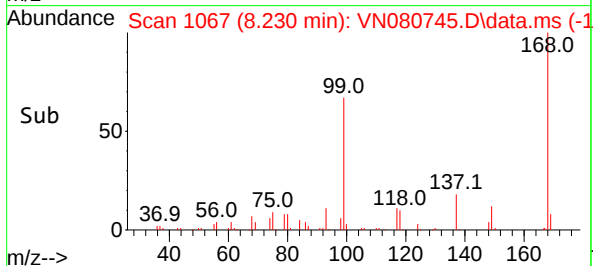
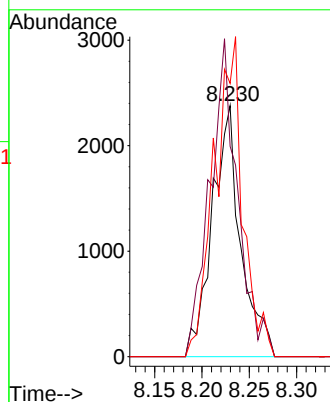
Tgt Ion: 56 Resp: 4979

Ion Ratio Lower Upper

56 100

69 83.8 26.8 40.2#

84 108.8 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 43.458 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080745.D

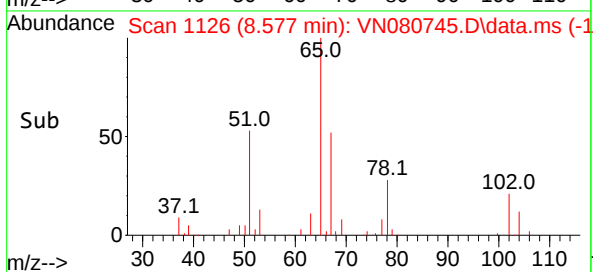
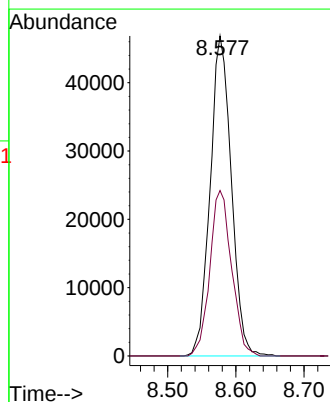
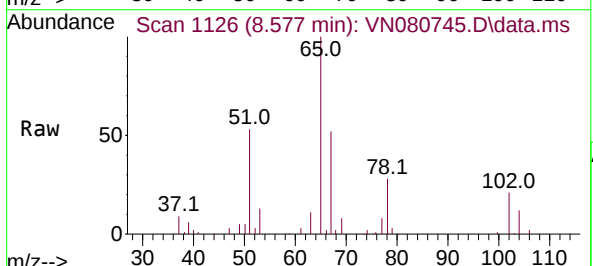
Acq: 22 Jan 2024 18:57

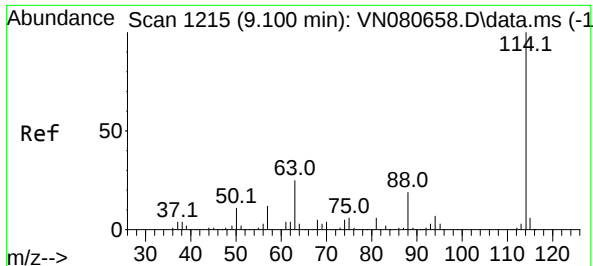
Tgt Ion: 65 Resp: 101325

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

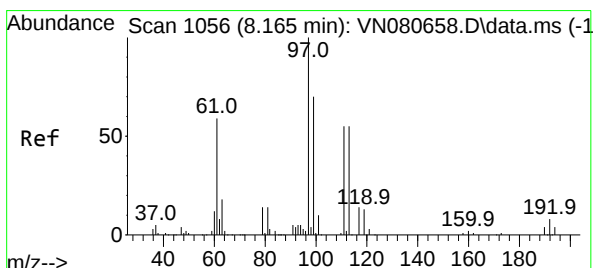
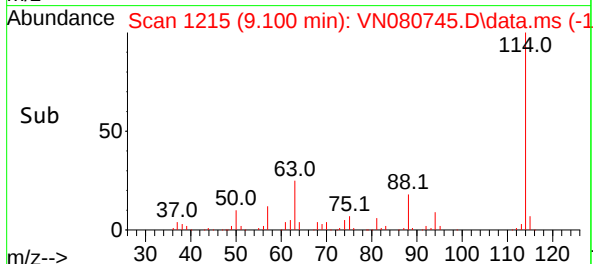
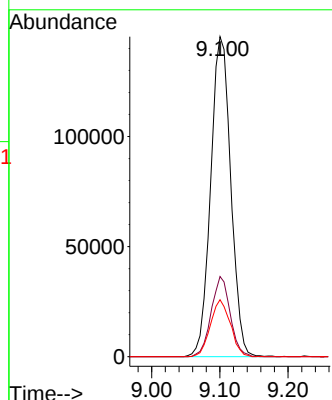
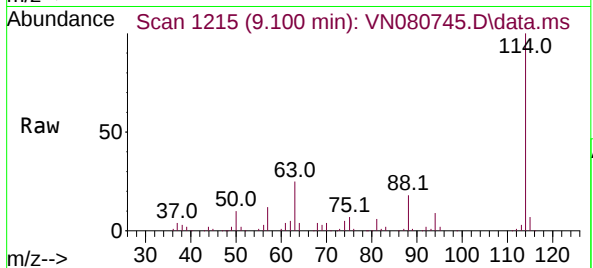
Tgt Ion:114 Resp: 298550

Ion Ratio Lower Upper

114 100

63 25.0 0.0 36.4

88 17.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.633 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

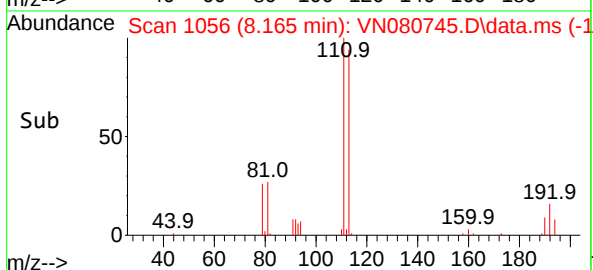
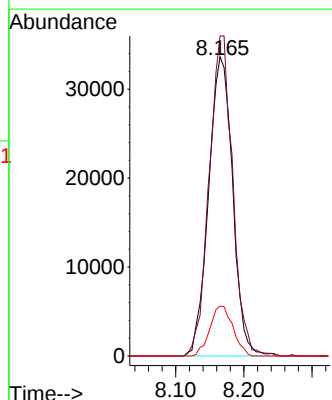
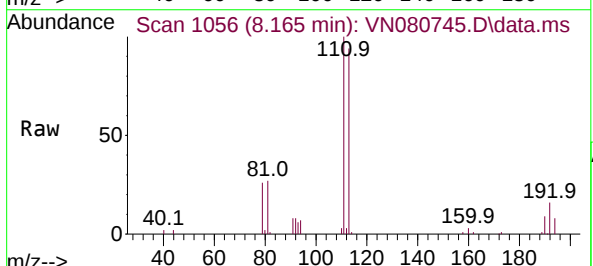
Tgt Ion:113 Resp: 82496

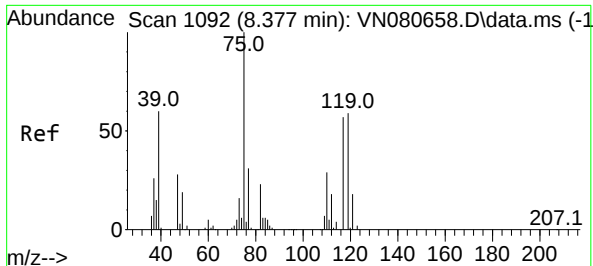
Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

192 16.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.840 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

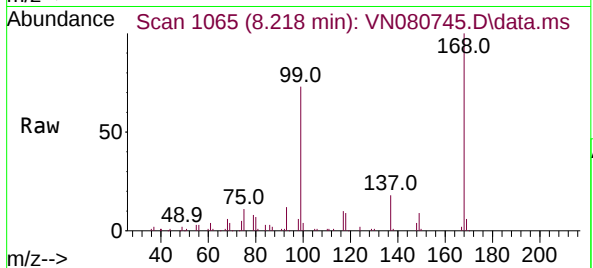
Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

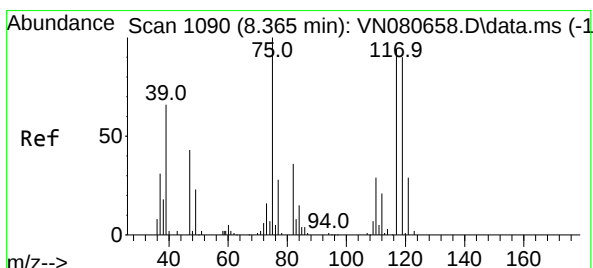
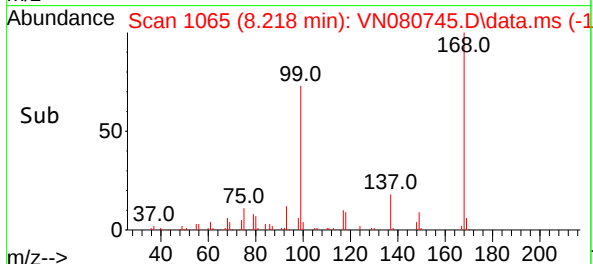
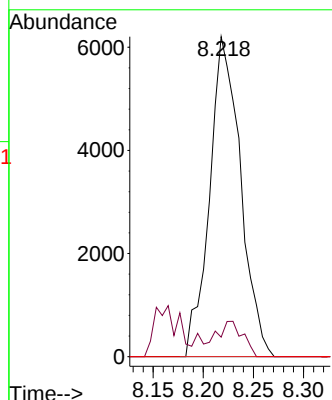
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13342
Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.394 ug/l

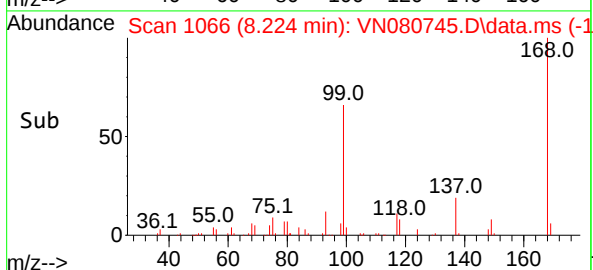
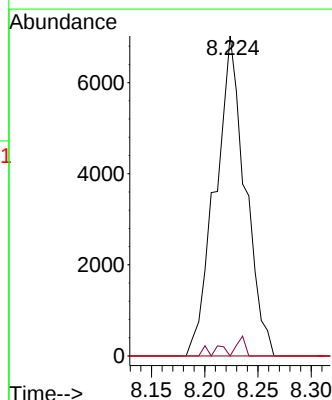
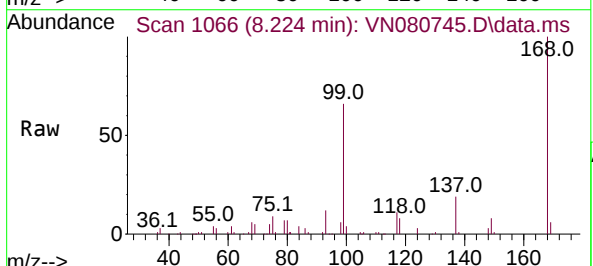
RT: 8.224 min Scan# 1066

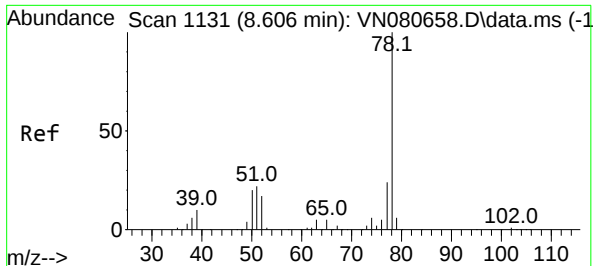
Delta R.T. -0.141 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Tgt Ion:	117	Resp:	13709
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.3	115.9#
121	0.0	23.3	34.9#

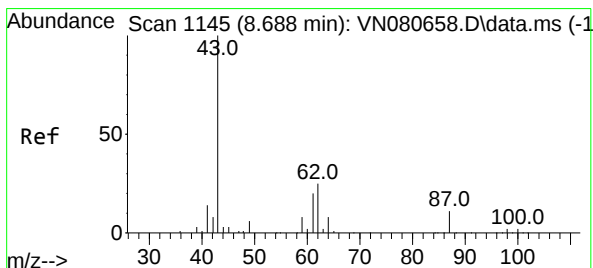
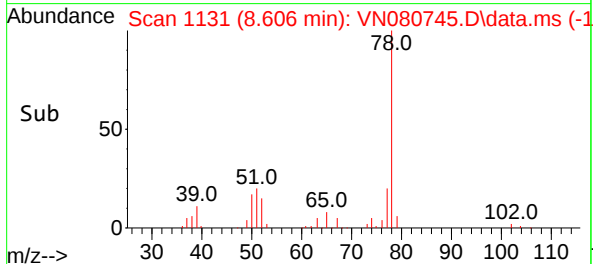
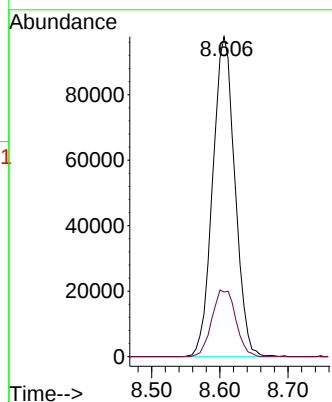
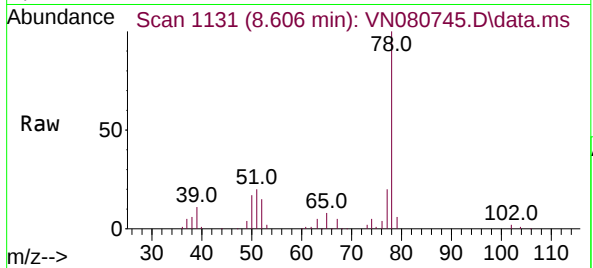




#40
Benzene
Concen: 22.682 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

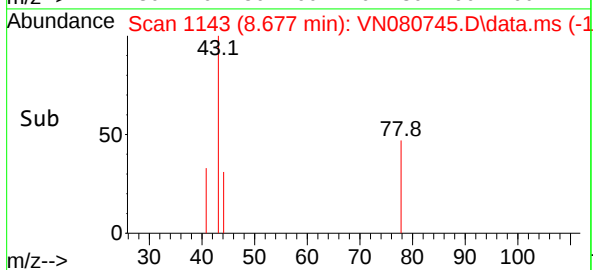
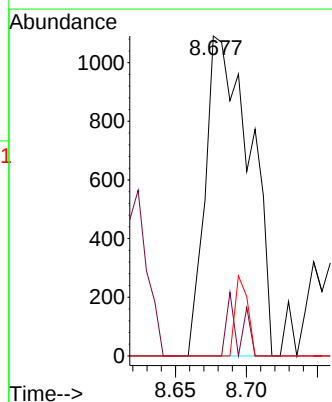
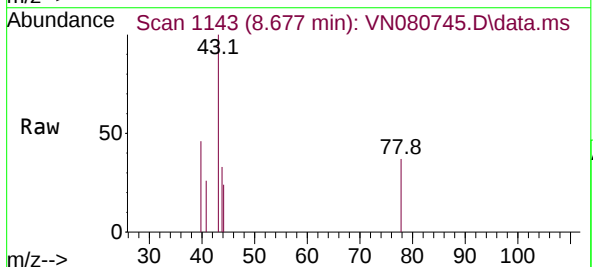
Instrument :
MSVOA_N
ClientSampleId :

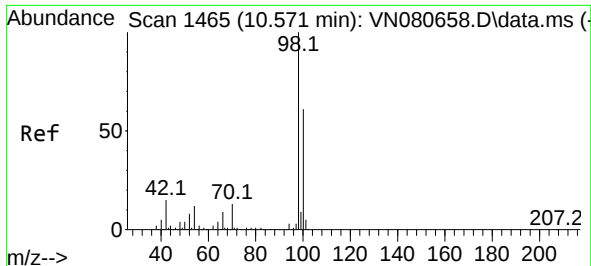
Tgt Ion: 78 Resp: 221557
Ion Ratio Lower Upper
78 100
77 20.2 19.0 28.6



#43
Isopropyl Acetate
Concen: 0.384 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
61 5.7 24.7 37.1#
87 7.1 14.6 21.8#

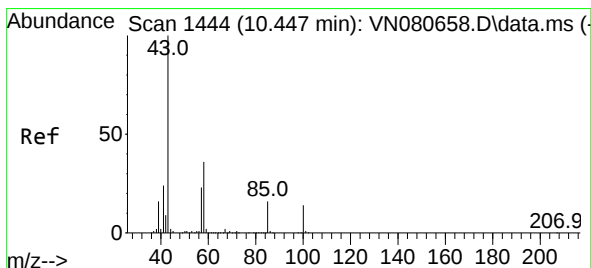
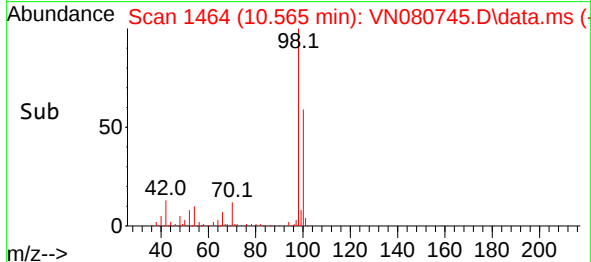
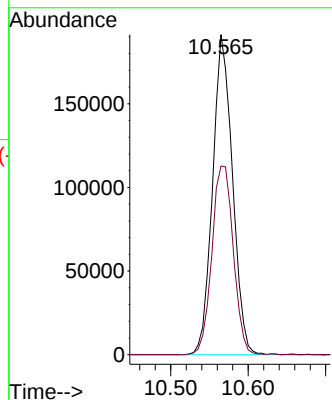
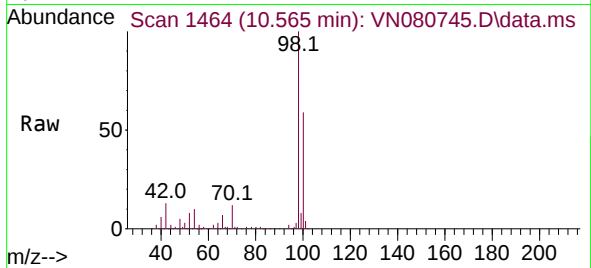




#50
Toluene-d8
Concen: 52.661 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

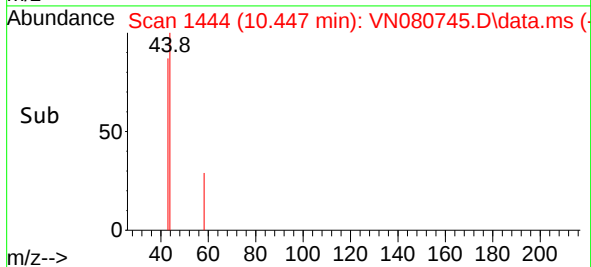
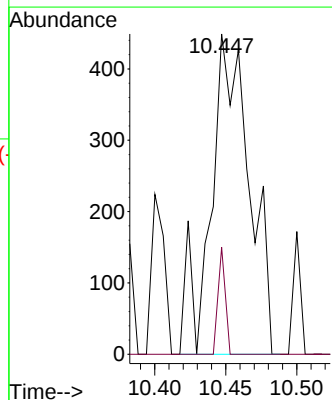
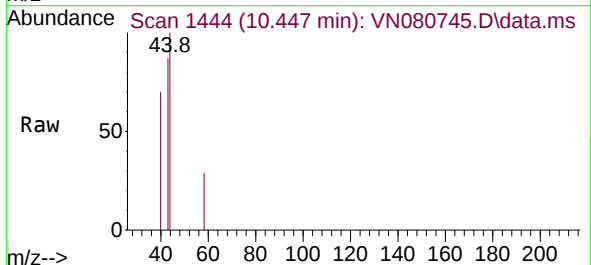
Instrument :
MSVOA_N
ClientSampleId :

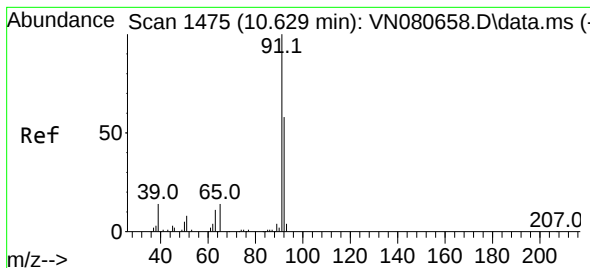
Tgt Ion: 98 Resp: 340612
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.256 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#





#52

Toluene

Concen: 13.459 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Instrument :

MSVOA_N

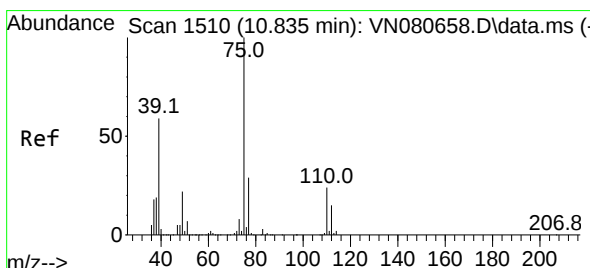
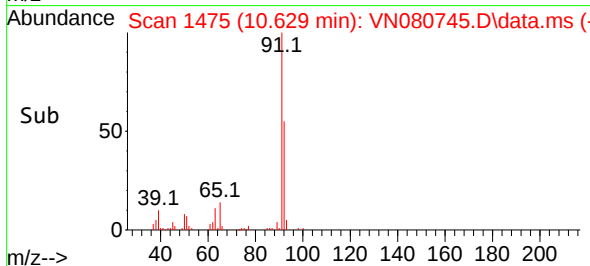
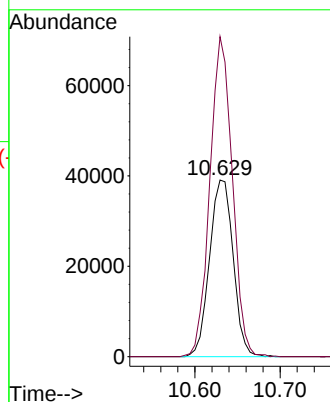
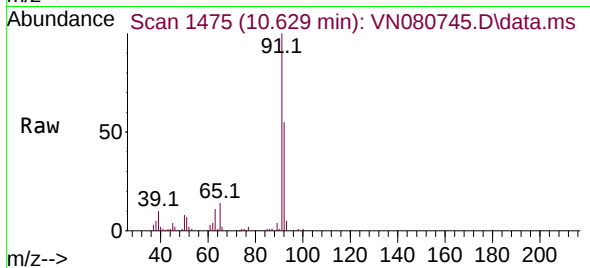
ClientSampleId :

Tgt Ion: 92 Resp: 75324

Ion Ratio Lower Upper

92 100

91 172.2 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 0.239 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.212 min

Lab File: VN080745.D

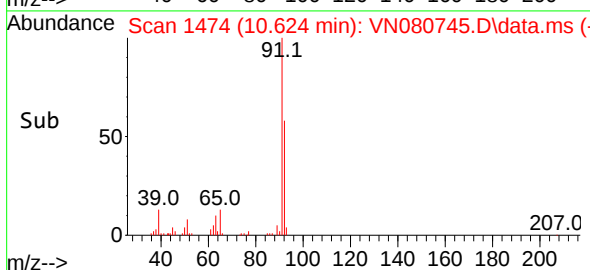
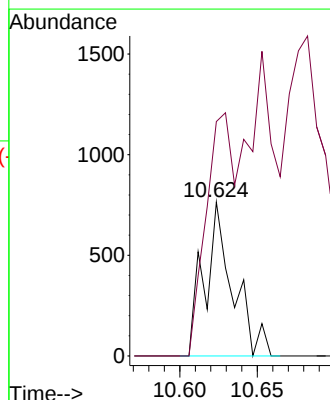
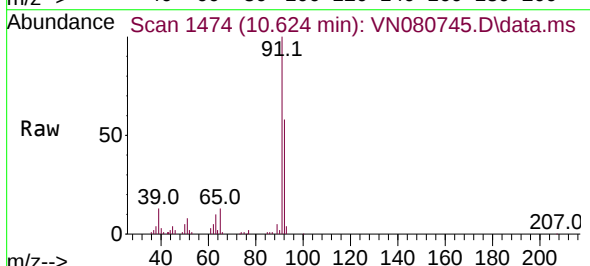
Acq: 22 Jan 2024 18:57

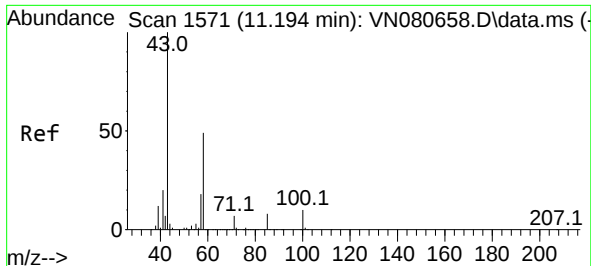
Tgt Ion: 75 Resp: 963

Ion Ratio Lower Upper

75 100

77 152.3 25.4 38.0#

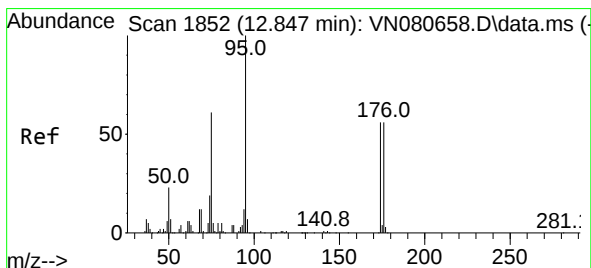
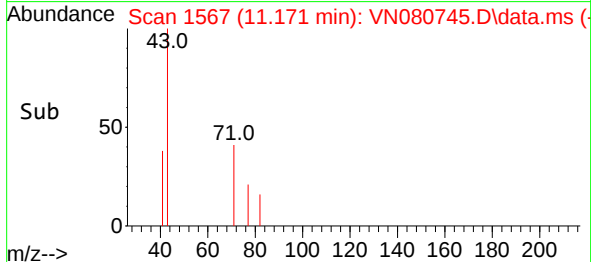
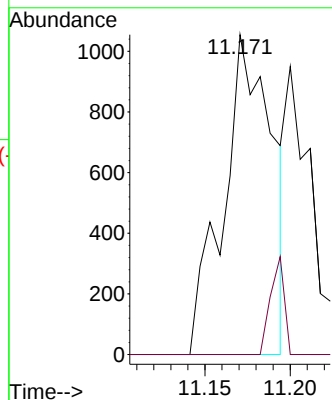
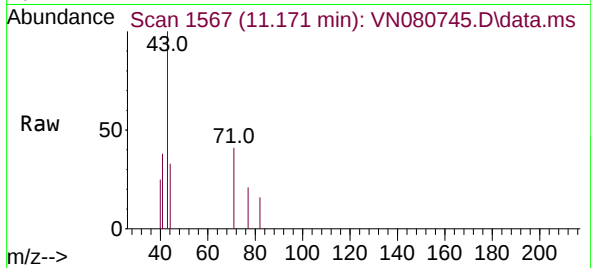




#59
2-Hexanone
Concen: 0.843 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

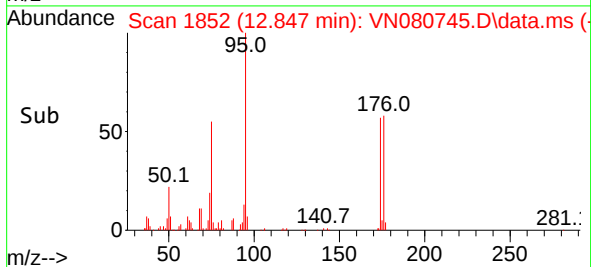
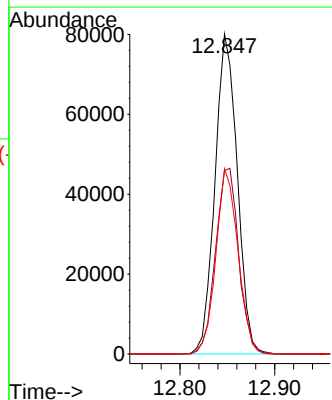
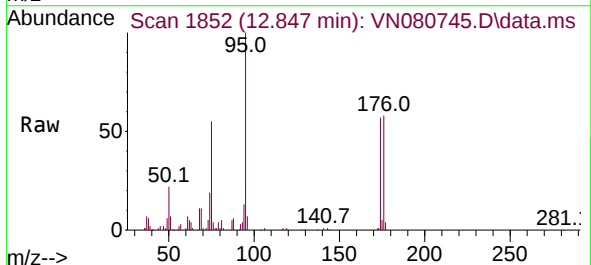
Instrument :
MSVOA_N
ClientSampleId :

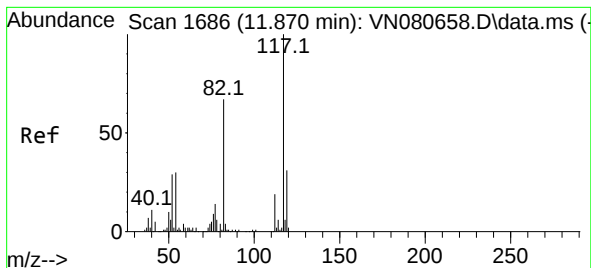
Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.942 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Tgt Ion: 95 Resp: 131315
Ion Ratio Lower Upper
95 100
174 60.2 0.0 143.8
176 57.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

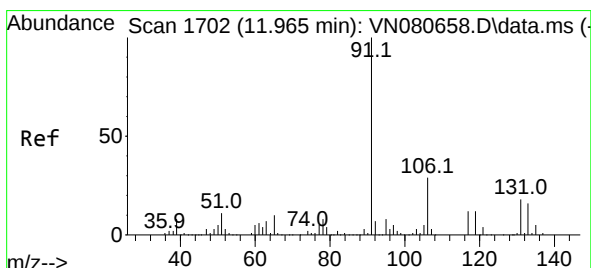
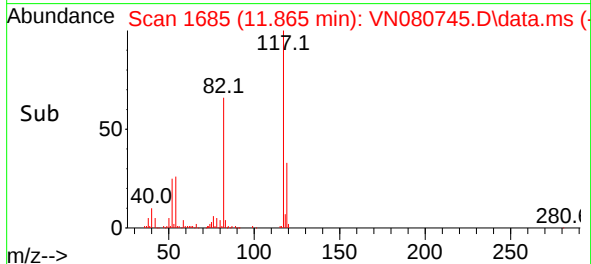
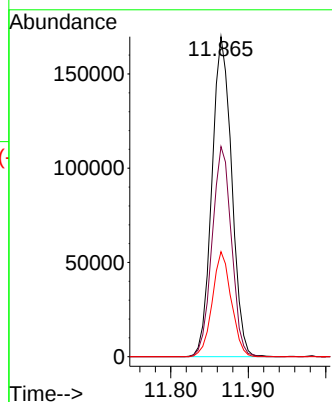
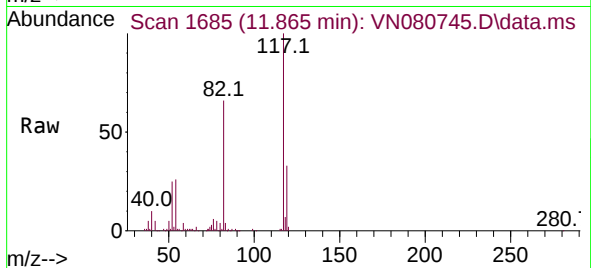
Tgt Ion:117 Resp: 300239

Ion Ratio Lower Upper

117 100

82 65.7 44.0 66.0

119 32.8 25.6 38.4



#67

Ethyl Benzene

Concen: 0.705 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN080745.D

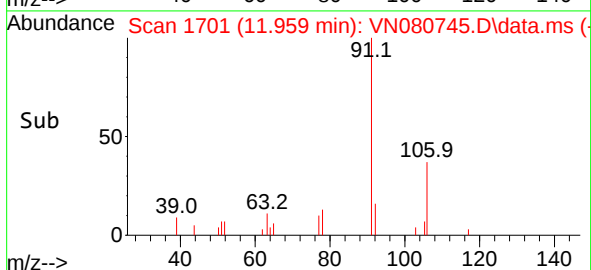
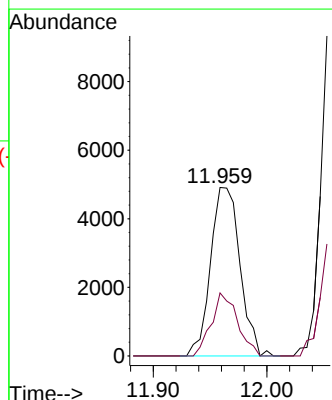
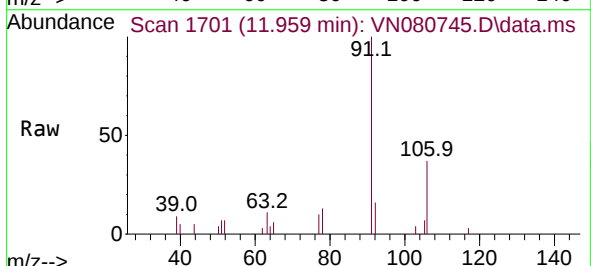
Acq: 22 Jan 2024 18:57

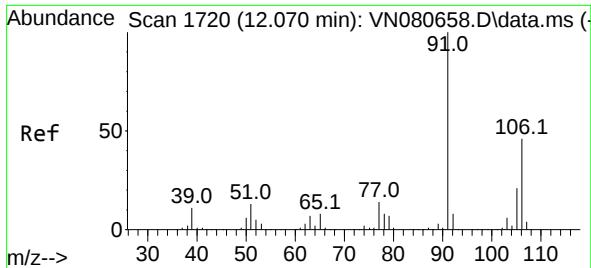
Tgt Ion: 91 Resp: 8834

Ion Ratio Lower Upper

91 100

106 37.5 25.6 38.4

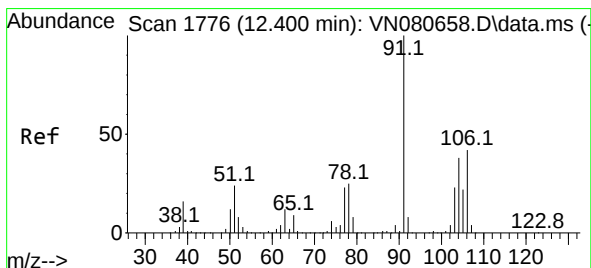
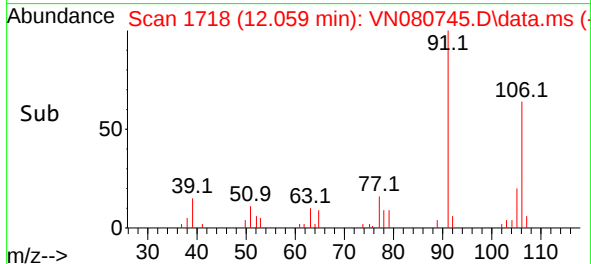
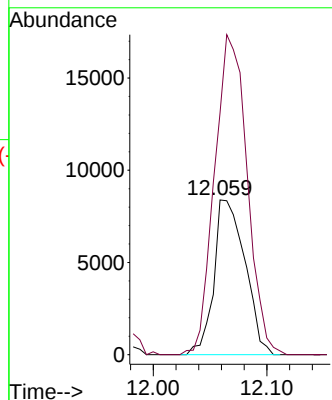
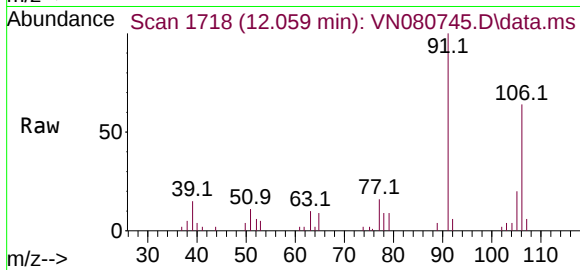




#68
m/p-Xylenes
Concen: 3.627 ug/l
RT: 12.059 min Scan# 1718
Delta R.T. -0.012 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

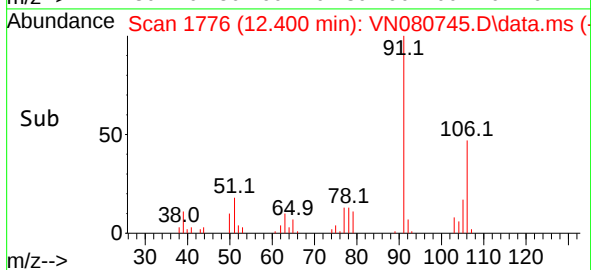
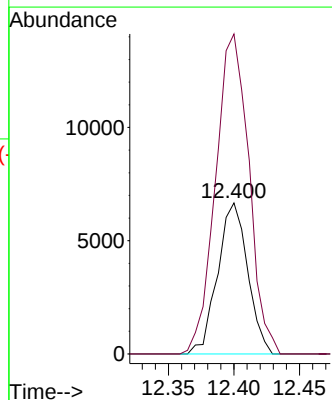
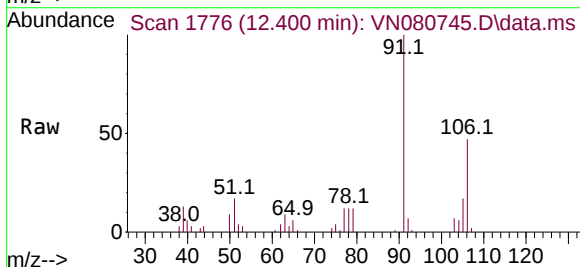
Instrument :
MSVOA_N
ClientSampleId :

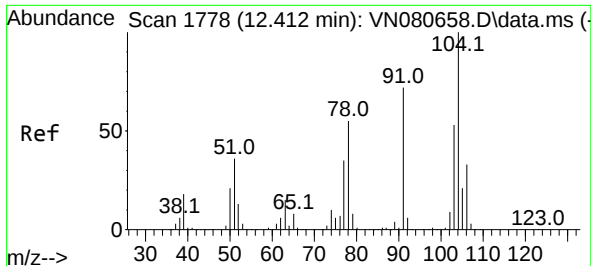
Tgt Ion:106 Resp: 15970
Ion Ratio Lower Upper
106 100
91 216.5 159.6 239.4



#69
o-Xylene
Concen: 2.468 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Tgt Ion:106 Resp: 10625
Ion Ratio Lower Upper
106 100
91 234.8 105.2 315.5

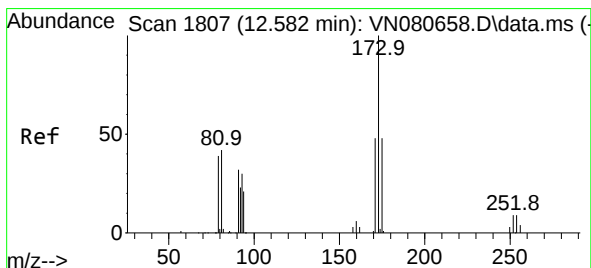
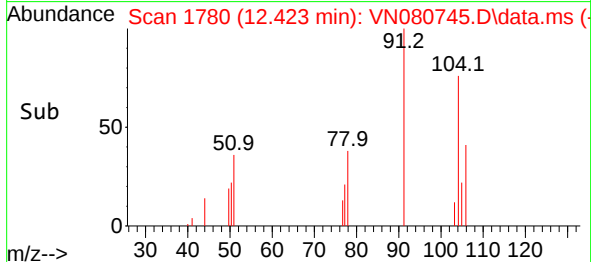
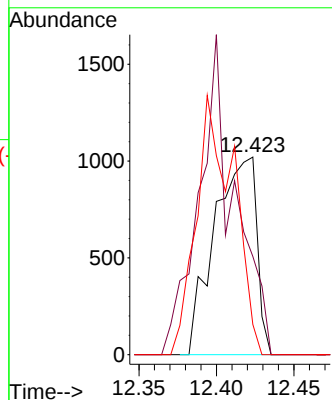
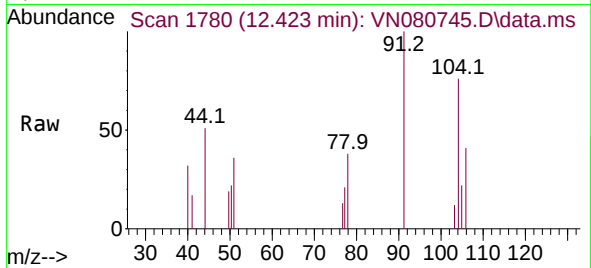




#70
Styrene
Concen: 0.265 ug/l
RT: 12.423 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

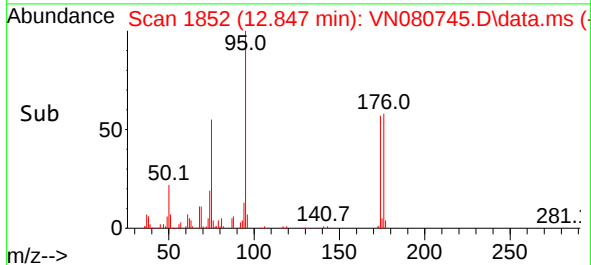
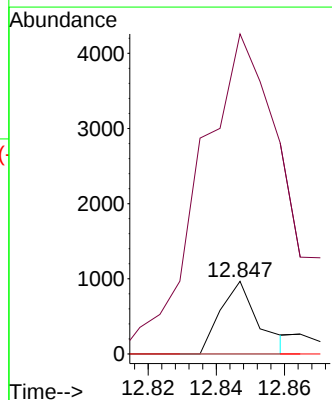
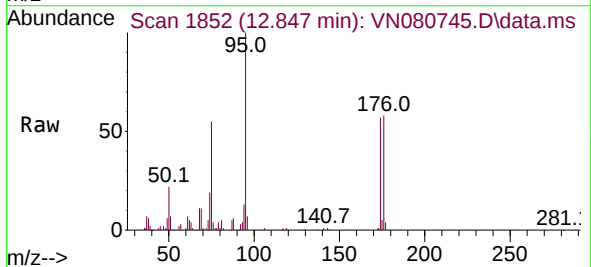
Instrument :
MSVOA_N
ClientSampleId :

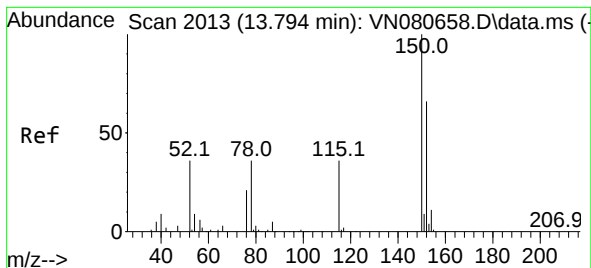
Tgt Ion:104 Resp: 1941
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 0.0 43.2 64.8#



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080745.D
Acq: 22 Jan 2024 18:57

Tgt Ion:173 Resp: 753
Ion Ratio Lower Upper
173 100
175 862.8 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

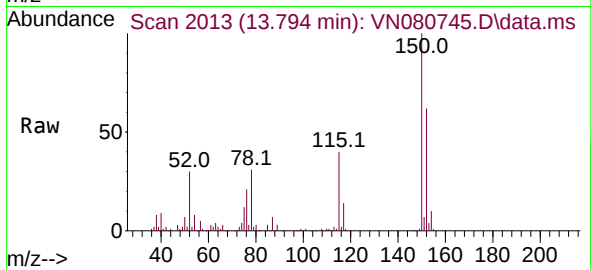
Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :



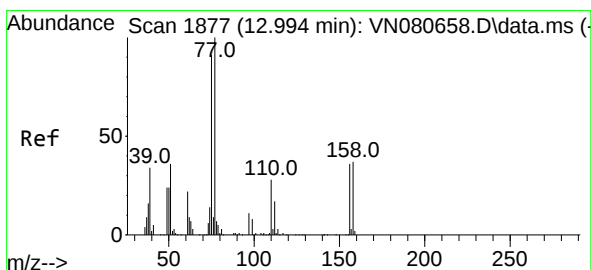
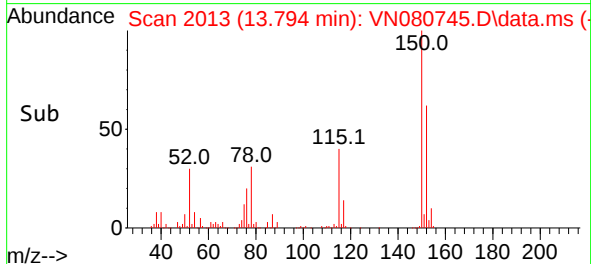
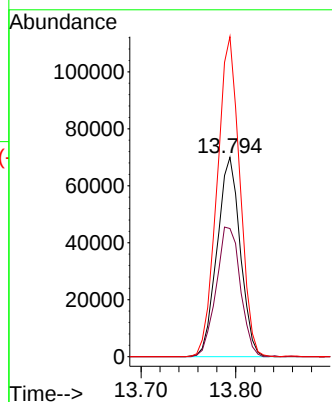
Tgt Ion:152 Resp: 118545

Ion Ratio Lower Upper

152 100

115 68.0 32.3 96.8

150 158.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 20.430 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080745.D

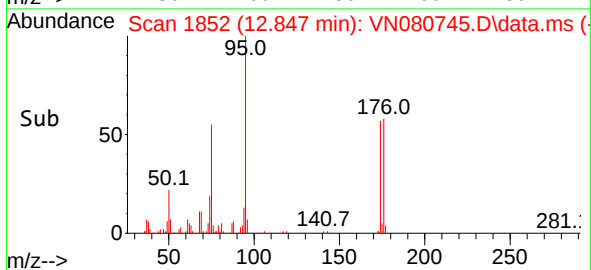
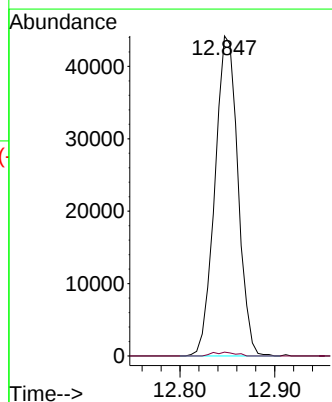
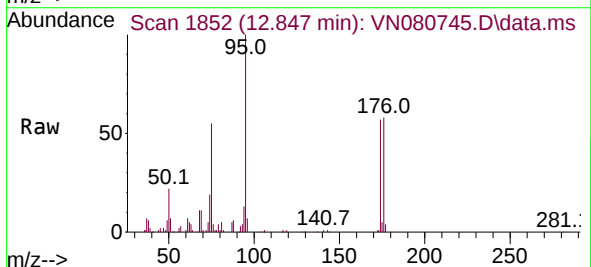
Acq: 22 Jan 2024 18:57

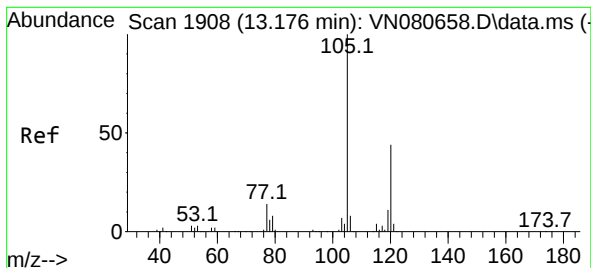
Tgt Ion: 75 Resp: 74681

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.298 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Instrument :

MSVOA_N

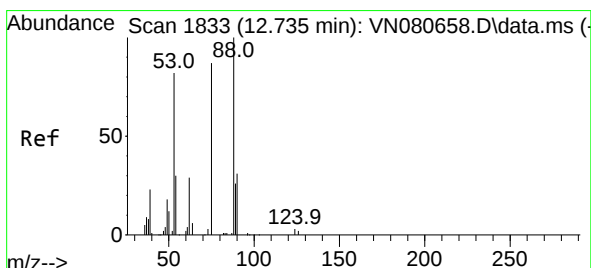
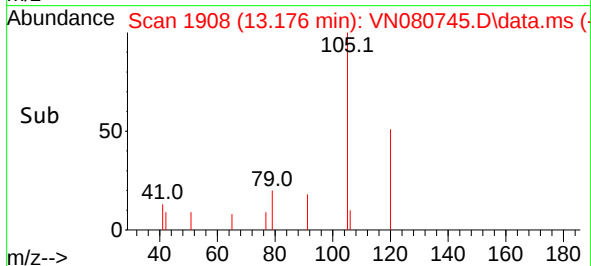
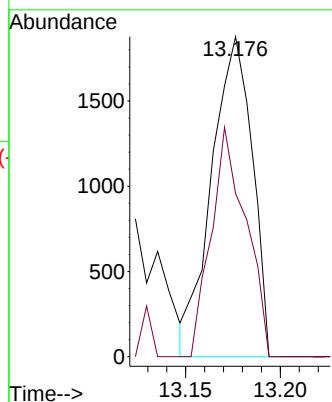
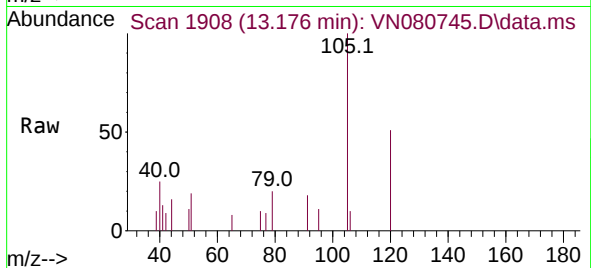
ClientSampleId :

Tgt Ion:105 Resp: 2796

Ion Ratio Lower Upper

105 100

120 61.4 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 48.162 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

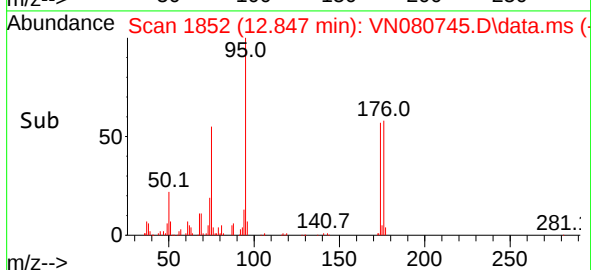
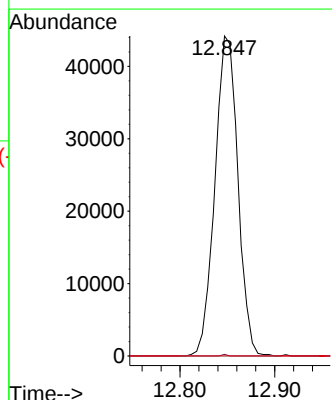
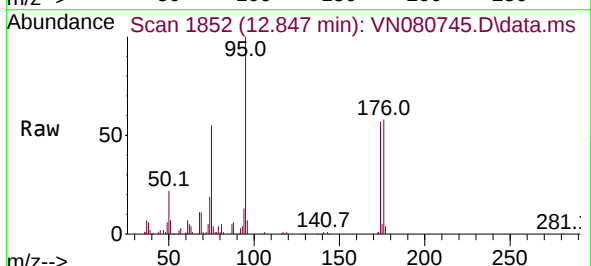
Tgt Ion: 75 Resp: 74681

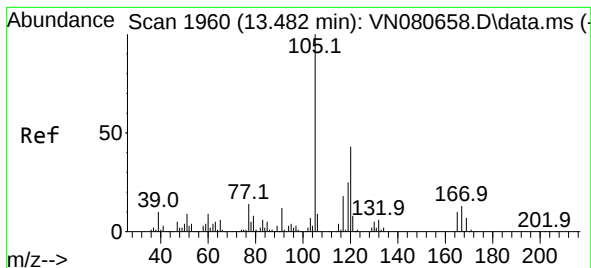
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.885 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Instrument :

MSVOA_N

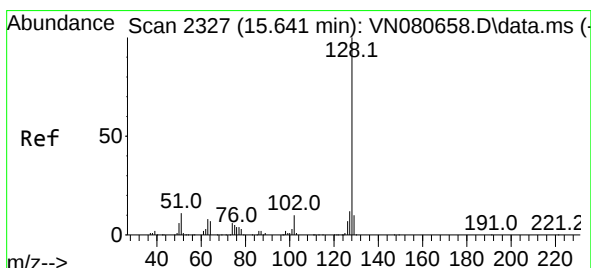
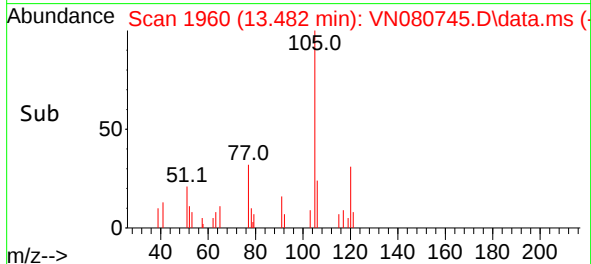
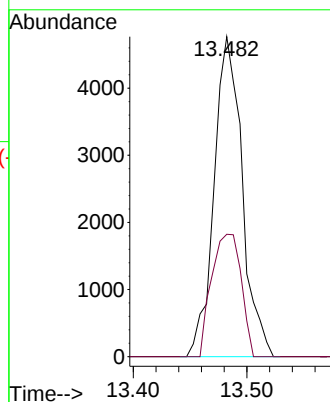
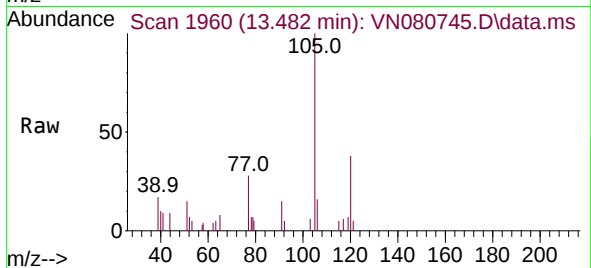
ClientSampleId :

Tgt Ion:105 Resp: 8179

Ion Ratio Lower Upper

105 100

120 40.3 22.0 66.0



#95

Naphthalene

Concen: 8.138 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080745.D

Acq: 22 Jan 2024 18:57

Tgt Ion:128 Resp: 67219

Ion Ratio Lower Upper

128 100

127 14.1 10.0 15.0

129 11.4 8.7 13.1

