

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080747.D
 Acq On : 22 Jan 2024 19:45
 Operator : JC\MD
 Sample : P1179-14 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 23 03:59:13 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)

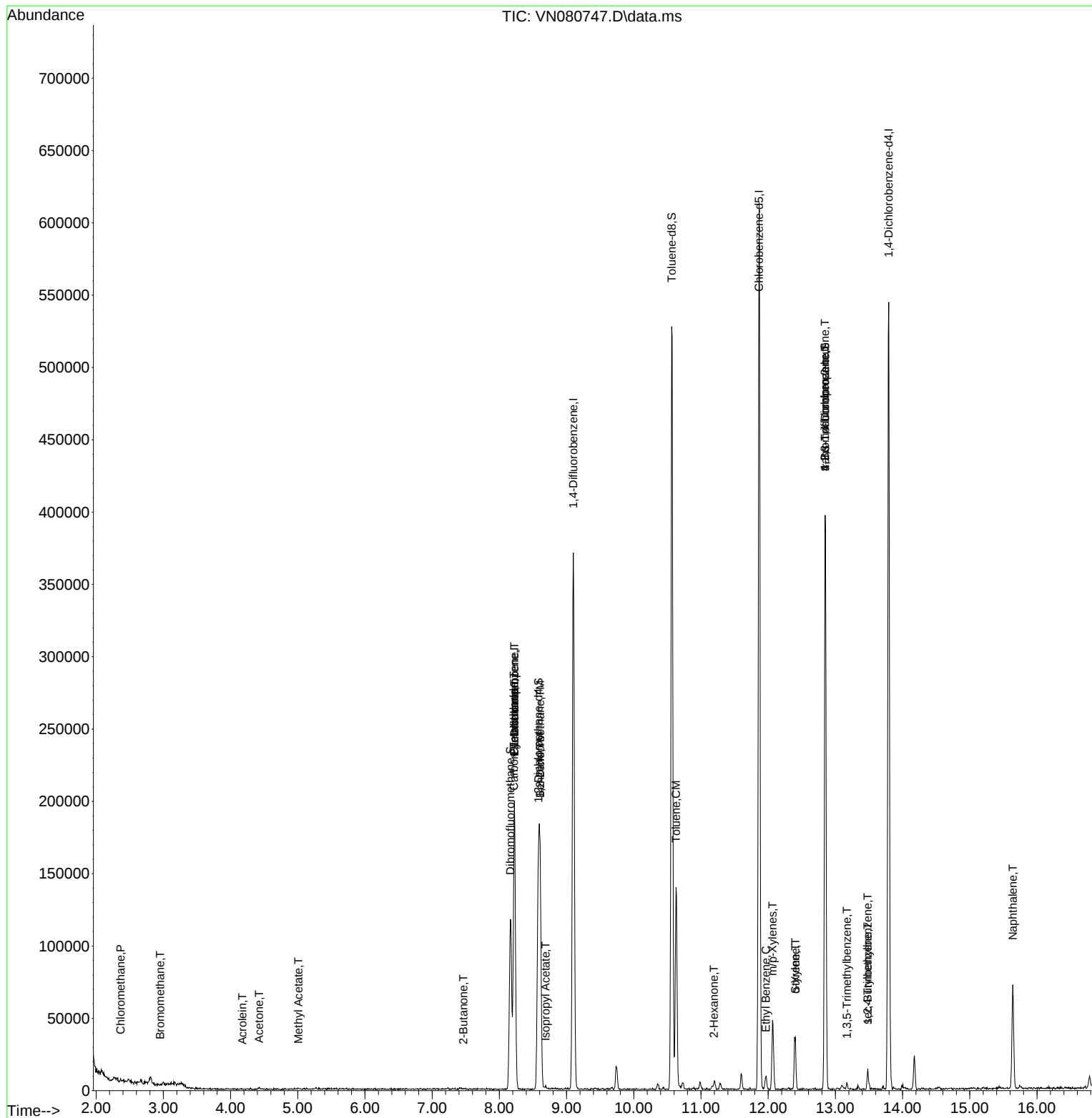
Internal Standards						
1) Pentafluorobenzene	8.224	168	124865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	104512	47.662	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.320%
35) Dibromofluoromethane	8.165	113	83651	49.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.420%
50) Toluene-d8	10.565	98	346721	53.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.980%
62) 4-Bromofluorobenzene	12.847	95	142518	57.333	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2026	0.227	ug/l #	74
5) Bromomethane	2.953	94	142	0.203	ug/l #	4
6) Chloroethane	3.136	64	144	Below Cal	#	43
13) Acrolein	4.177	56	146	0.471	ug/l	100
16) Acetone	4.424	43	1711	2.377	ug/l #	48
18) Methyl Acetate	5.012	43	703	0.328	ug/l #	42
25) 2-Butanone	7.465	43	368	0.283	ug/l #	37
31) Cyclohexane	8.224	56	4494	1.327	ug/l #	27
36) 1,1-Dichloropropene	8.224	75	12851	3.690	ug/l #	46
38) Carbon Tetrachloride	8.218	117	14410	4.609	ug/l #	12
40) Benzene	8.606	78	143751	14.684	ug/l	97
42) 1,2-Dichloroethane	8.606	62	1187	0.317	ug/l #	73
43) Isopropyl Acetate	8.688	43	2482	0.400	ug/l #	61
52) Toluene	10.629	92	58990	10.517	ug/l	98
59) 2-Hexanone	11.194	43	1079	0.436	ug/l #	28
67) Ethyl Benzene	11.965	91	7086	0.543	ug/l	97
68) m/p-Xylenes	12.065	106	13137	2.861	ug/l	93
69) o-Xylene	12.406	106	10174	2.266	ug/l	99
70) Styrene	12.406	104	1679	0.220	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76130	19.137	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	2507	0.245	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.847	75	76130	45.113	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	7419	0.738	ug/l	99
85) sec-Butylbenzene	13.482	105	7419	0.639	ug/l #	57
95) Naphthalene	15.641	128	56766	6.315	ug/l	97

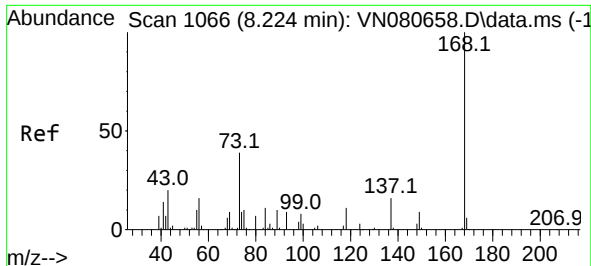
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
Data File : VN080747.D
Acq On : 22 Jan 2024 19:45
Operator : JC\MD
Sample : P1179-14 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

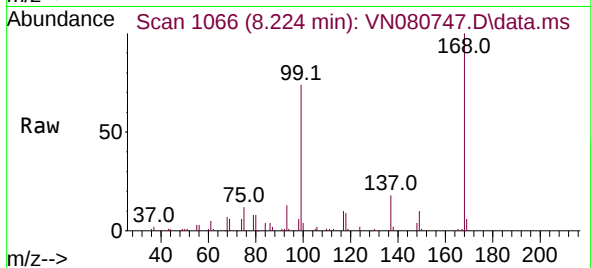
Quant Time: Jan 23 03:59:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration



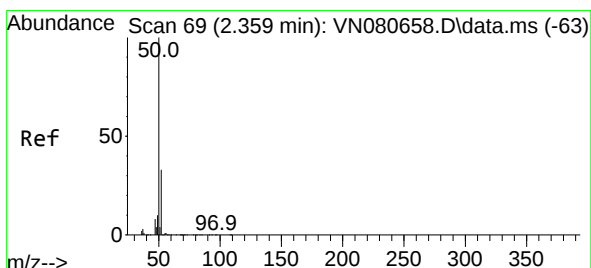
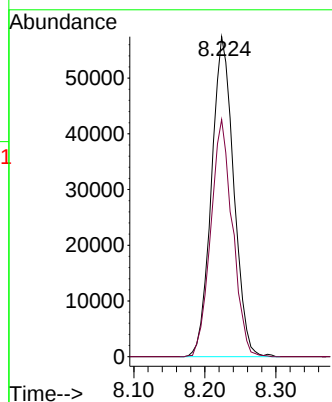
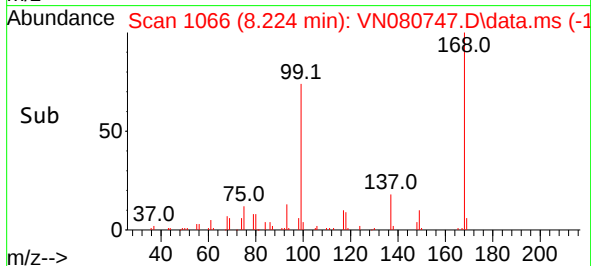


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Instrument :
MSVOA_N
ClientSampleId :

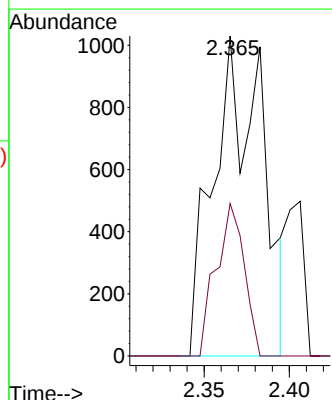
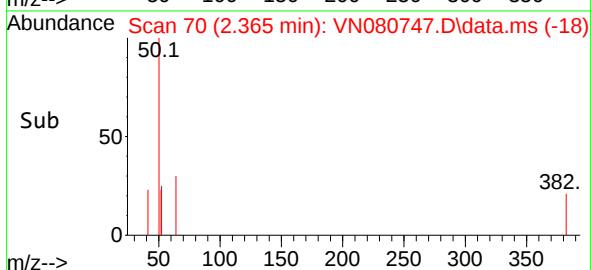
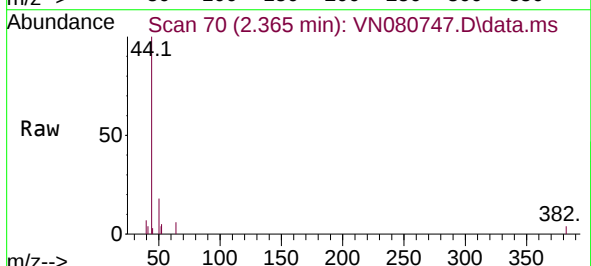


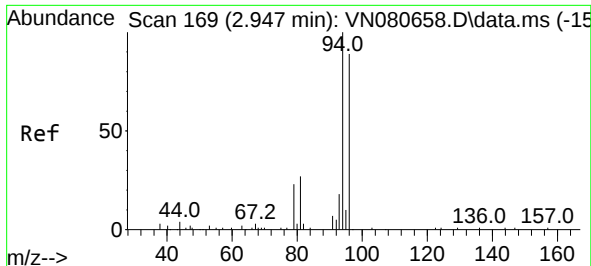
Tgt Ion:168 Resp: 124865
Ion Ratio Lower Upper
168 100
99 74.1 53.0 79.6



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion: 50 Resp: 2026
Ion Ratio Lower Upper
50 100
52 47.7 26.5 39.7#

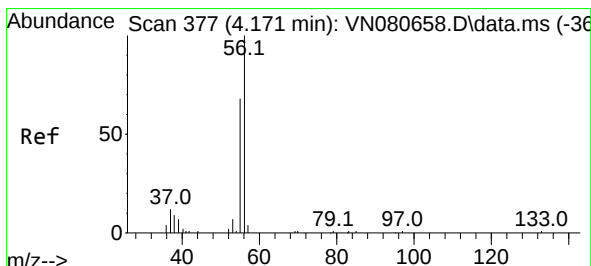
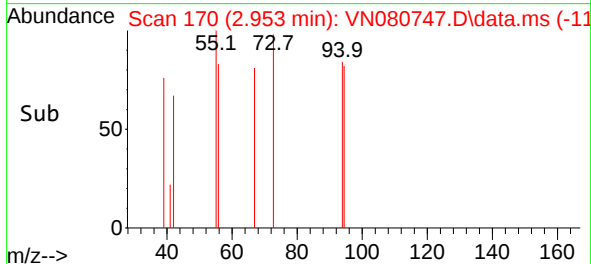
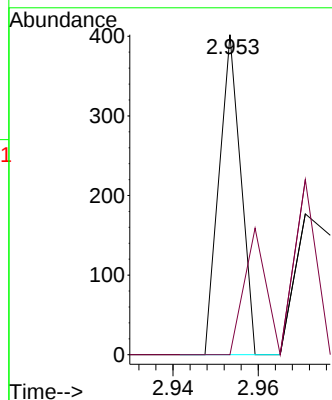
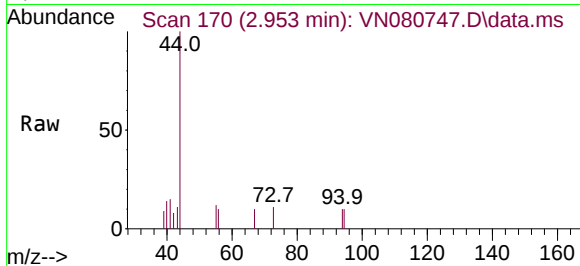




#5
Bromomethane
Concen: 0.203 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

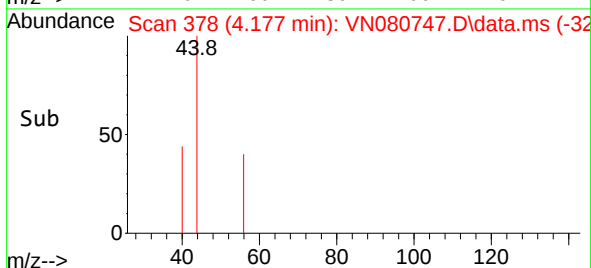
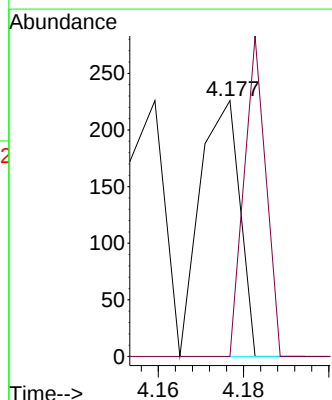
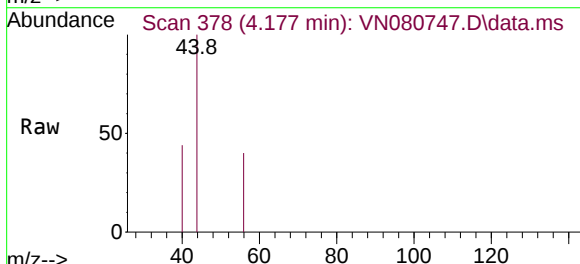
Instrument :
MSVOA_N
ClientSampleId :

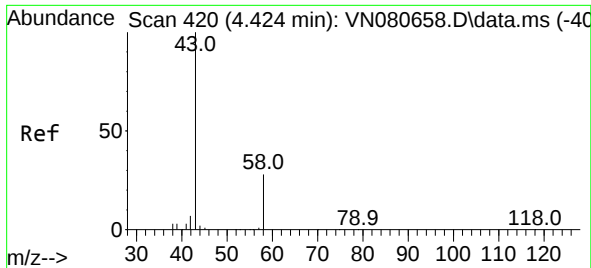
Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#13
Acrolein
Concen: 0.471 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 68.5 54.5 81.7

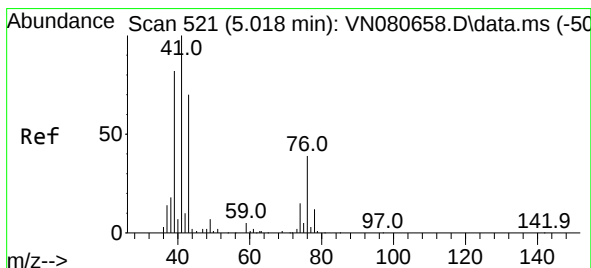
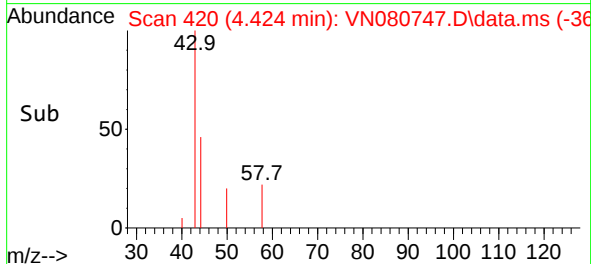
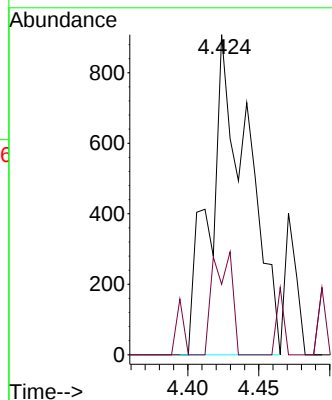
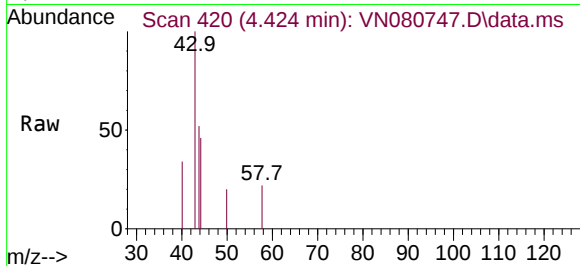




#16
Acetone
Concen: 2.377 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

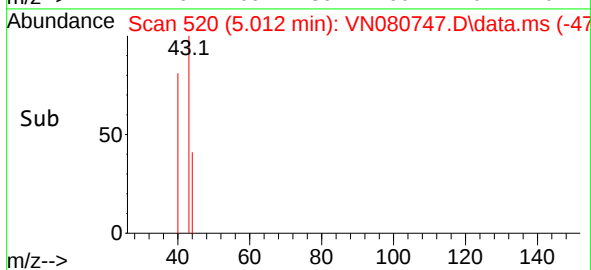
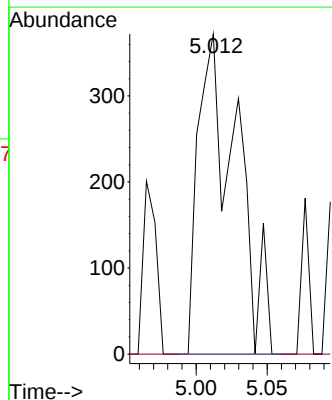
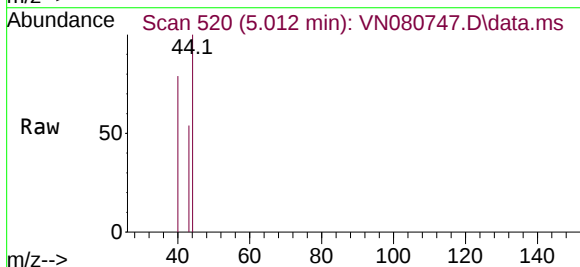
Instrument :
MSVOA_N
ClientSampleId :

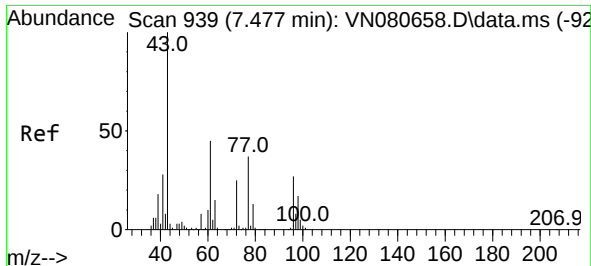
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
58 4.6 28.0 42.0#



#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

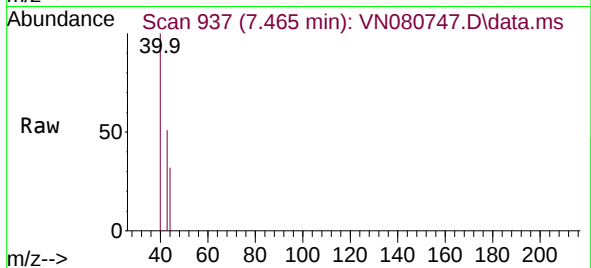
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



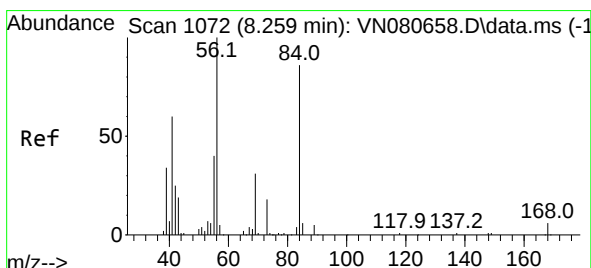
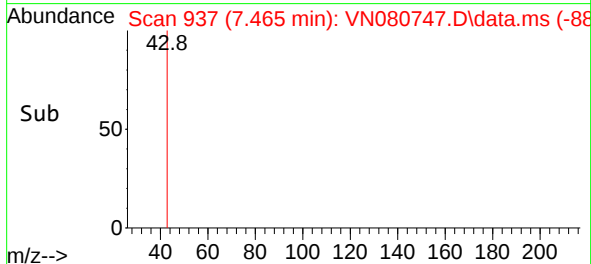
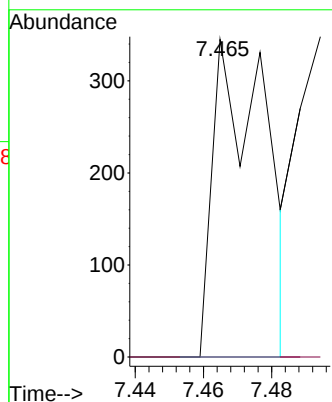


#25
2-Butanone
Concen: 0.283 ug/l
RT: 7.465 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Instrument :
MSVOA_N
ClientSampleId :

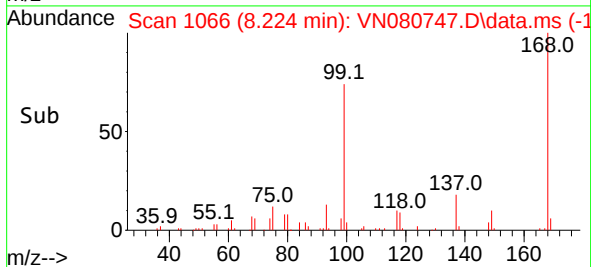
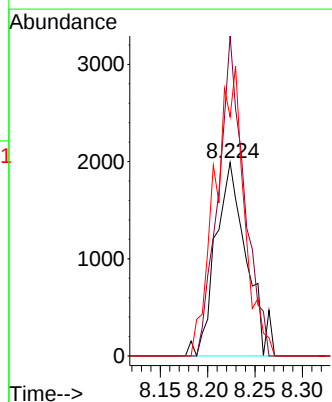
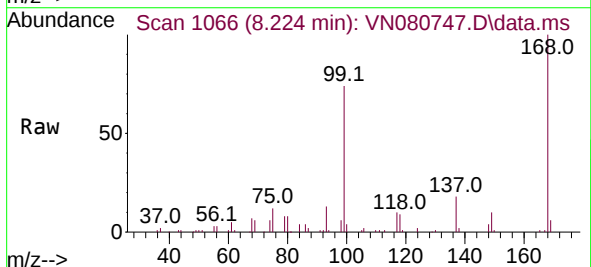


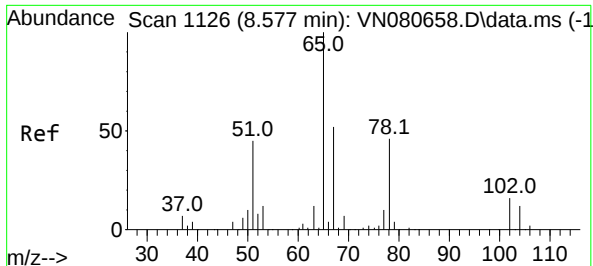
Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion: 56 Resp: 4494
Ion Ratio Lower Upper
56 100
69 165.4 26.8 40.2#
84 123.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 47.662 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

Instrument :

MSVOA_N

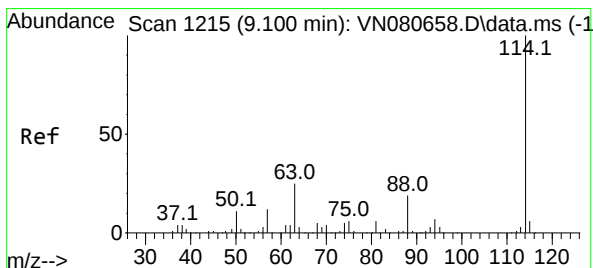
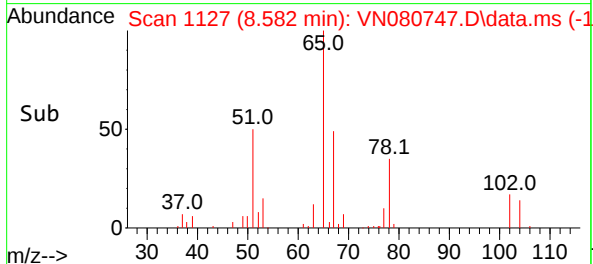
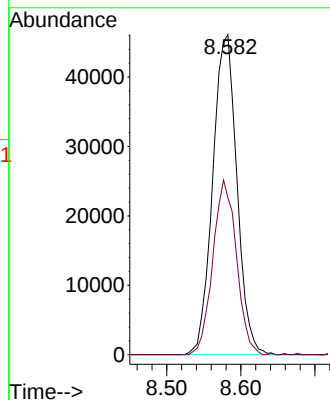
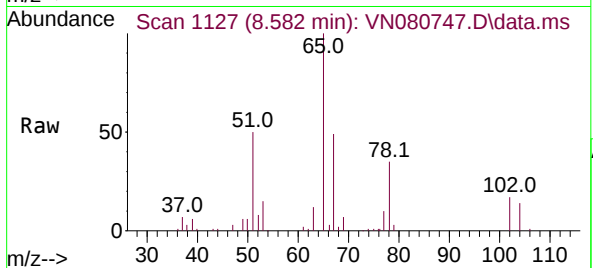
ClientSampleId :

Tgt Ion: 65 Resp: 104512

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# 1215

Delta R.T. 0.000 min

Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

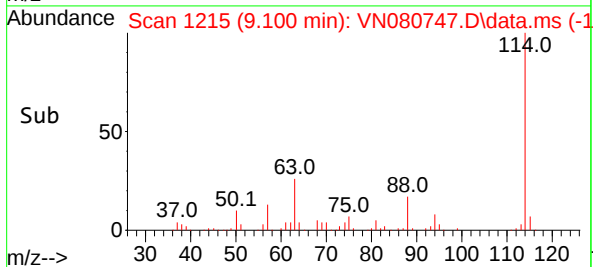
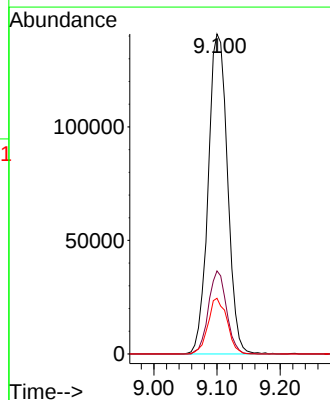
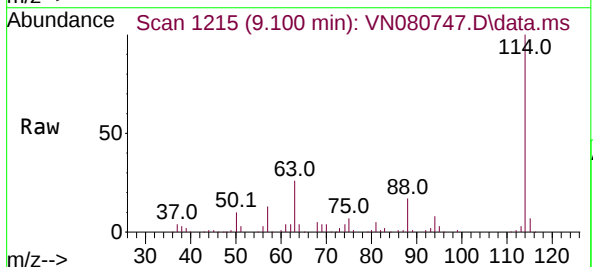
Tgt Ion: 114 Resp: 299203

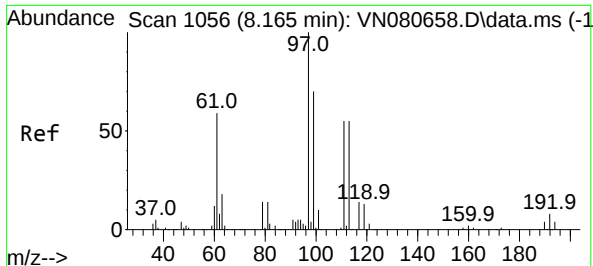
Ion Ratio Lower Upper

114 100

63 26.0 0.0 36.4

88 17.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.207 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

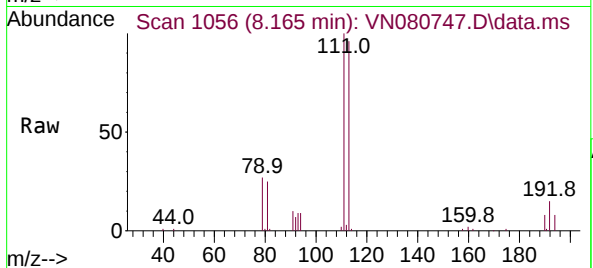
Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :



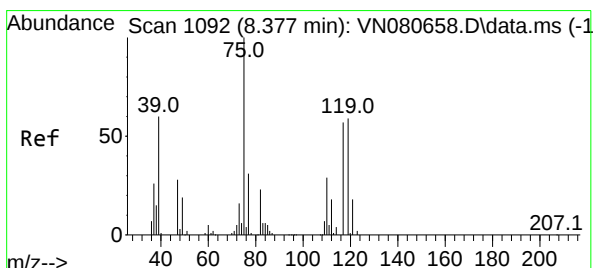
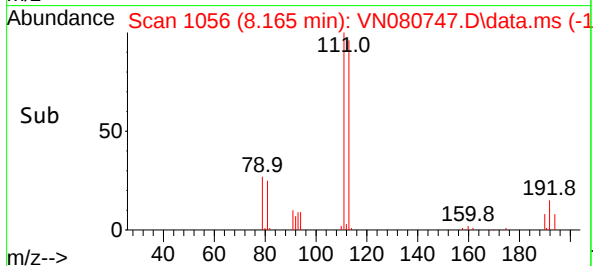
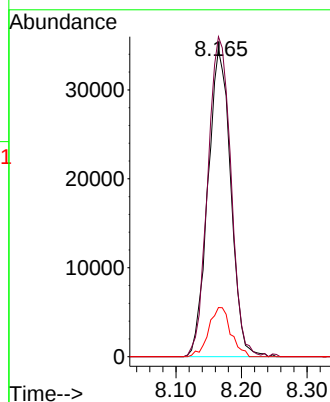
Tgt Ion:113 Resp: 83651

Ion Ratio Lower Upper

113 100

111 105.3 82.6 123.8

192 15.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.690 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

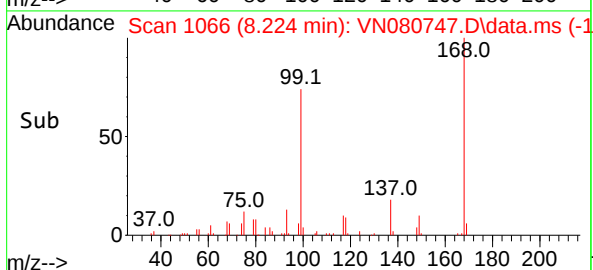
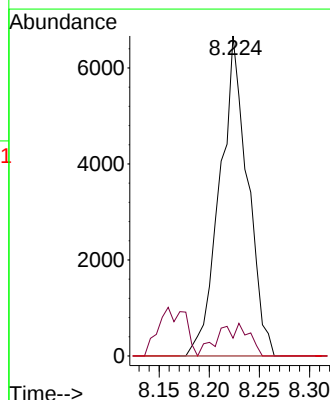
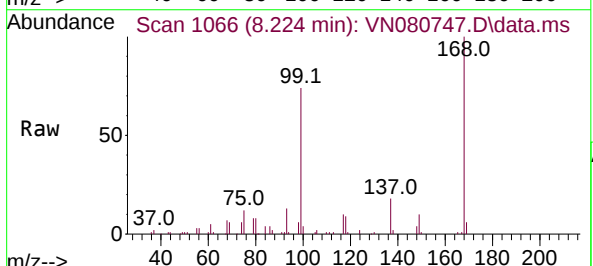
Tgt Ion: 75 Resp: 12851

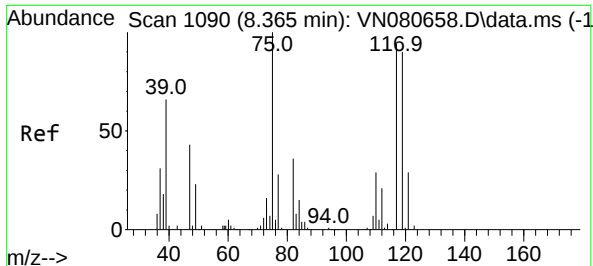
Ion Ratio Lower Upper

75 100

110 6.3 19.1 57.3#

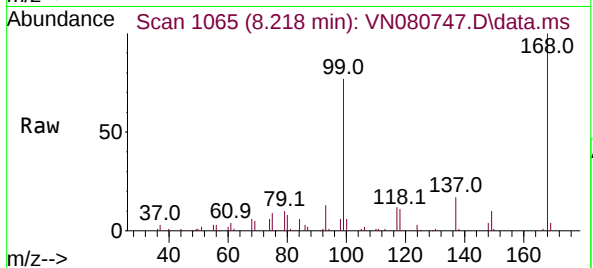
77 0.0 25.0 37.4#



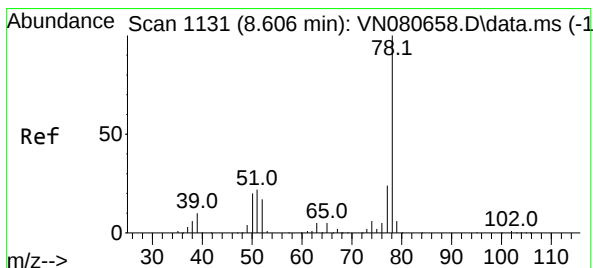
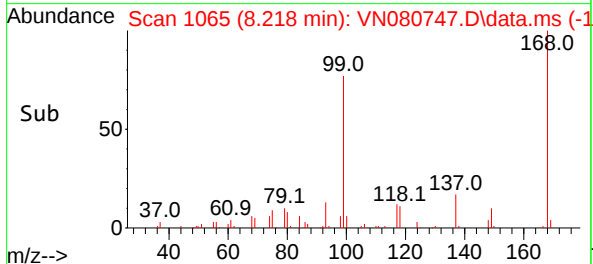
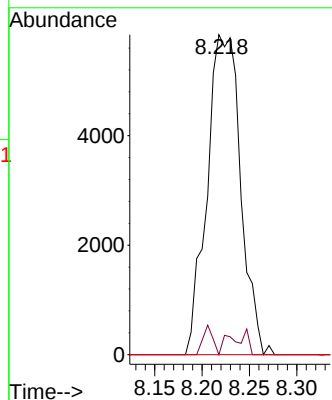


#38
Carbon Tetrachloride
Concen: 4.609 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Instrument :
MSVOA_N
ClientSampleId :

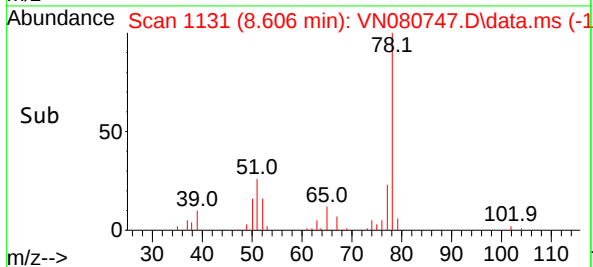
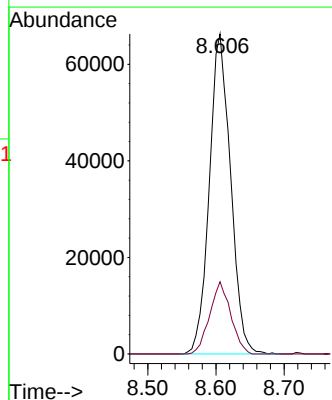
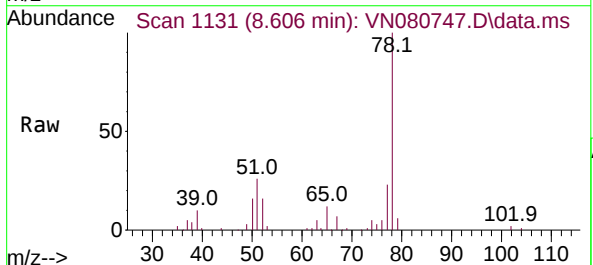


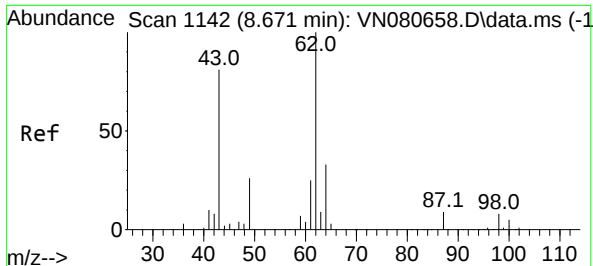
Tgt Ion:117 Resp: 14410
Ion Ratio Lower Upper
117 100
119 0.0 77.3 115.9#
121 0.0 23.3 34.9#



#40
Benzene
Concen: 14.684 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion: 78 Resp: 143751
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.6





#42

1,2-Dichloroethane

Concen: 0.317 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.065 min

Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

Instrument :

MSVOA_N

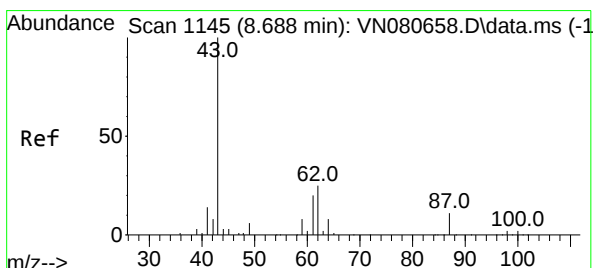
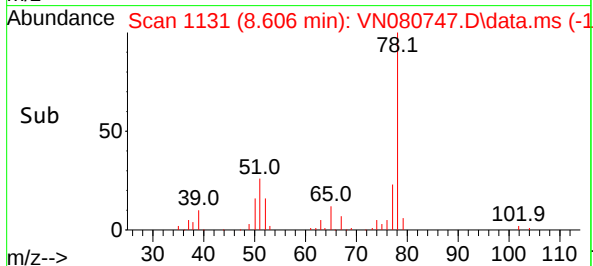
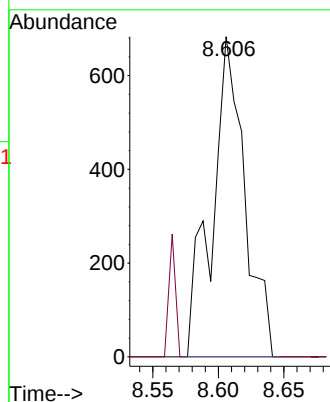
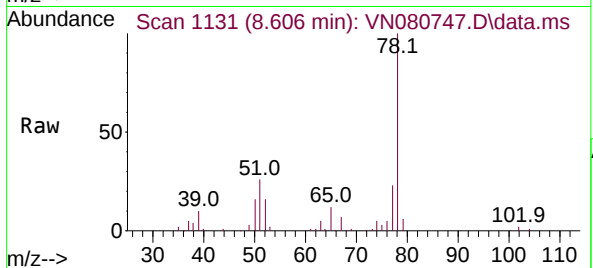
ClientSampleId :

Tgt Ion: 62 Resp: 1187

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 0.400 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

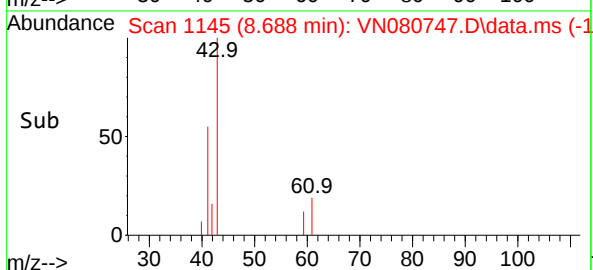
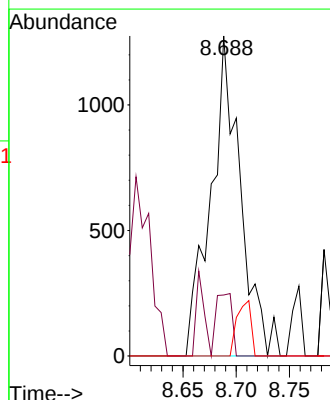
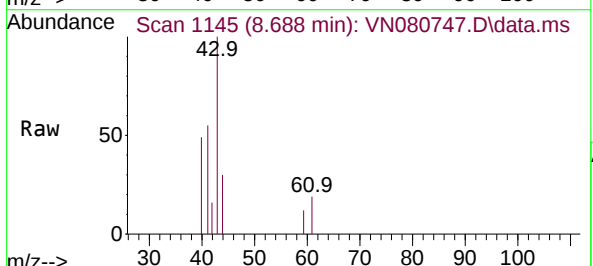
Tgt Ion: 43 Resp: 2482

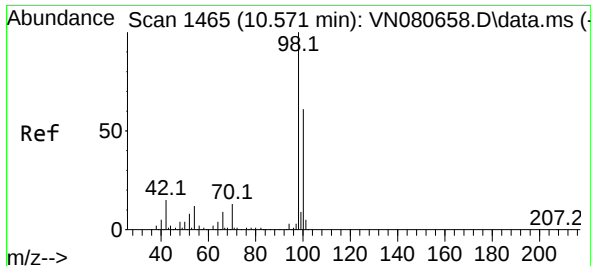
Ion Ratio Lower Upper

43 100

61 10.4 24.7 37.1#

87 0.0 14.6 21.8#

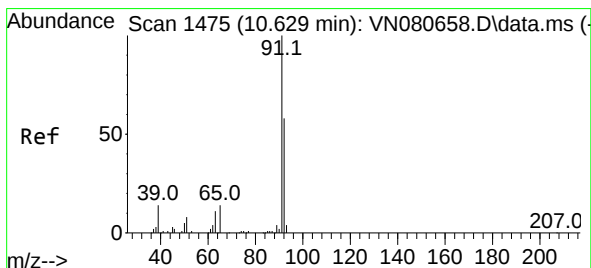
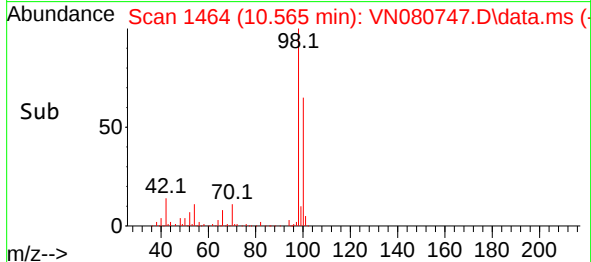
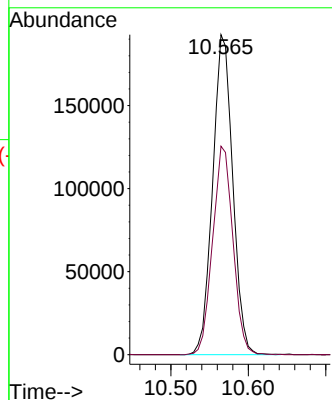
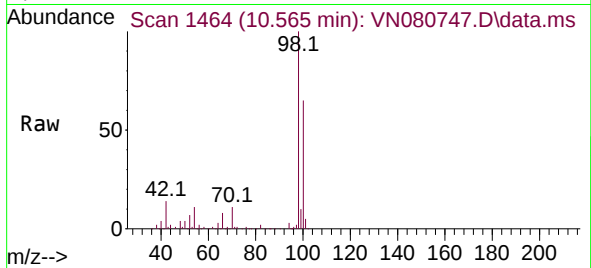




#50
Toluene-d8
Concen: 53.488 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

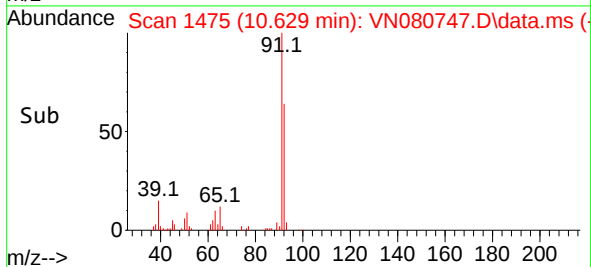
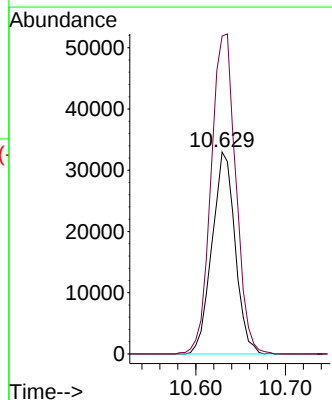
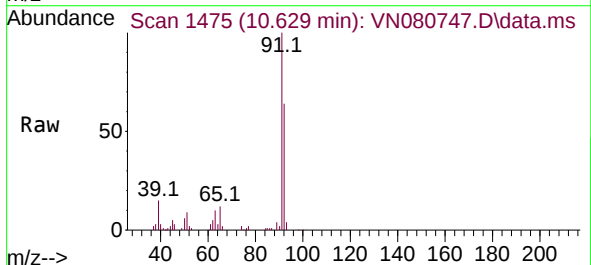
Instrument :
MSVOA_N
ClientSampleId :

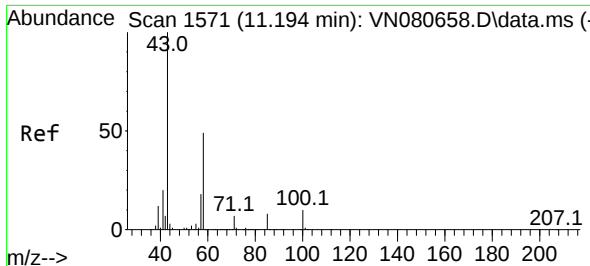
Tgt Ion: 98 Resp: 346721
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



#52
Toluene
Concen: 10.517 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion: 92 Resp: 58990
Ion Ratio Lower Upper
92 100
91 169.5 137.4 206.0

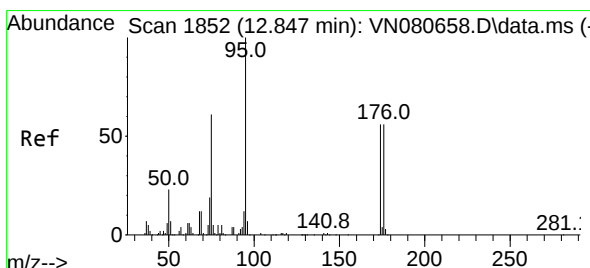
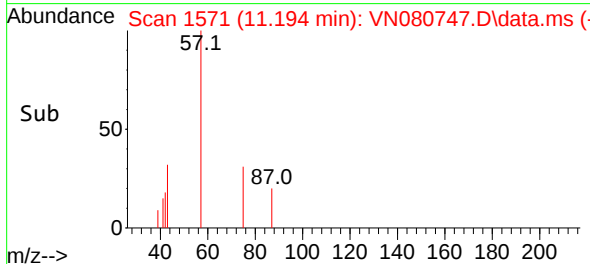
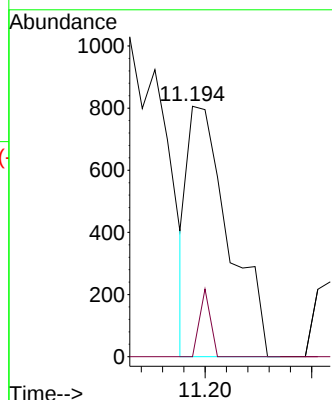
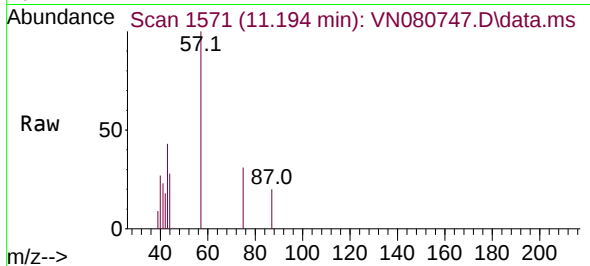




#59
2-Hexanone
Concen: 0.436 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

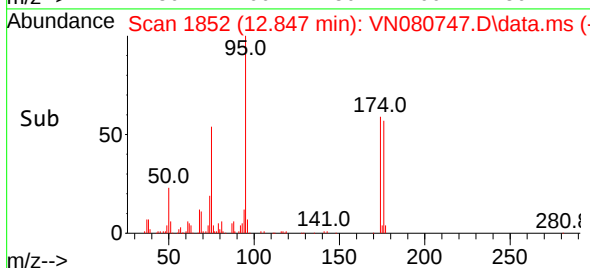
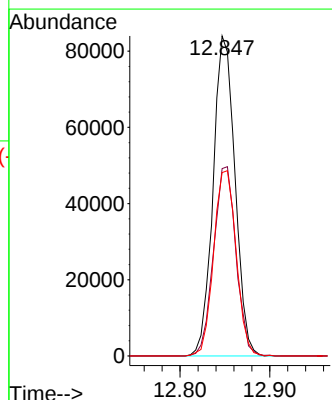
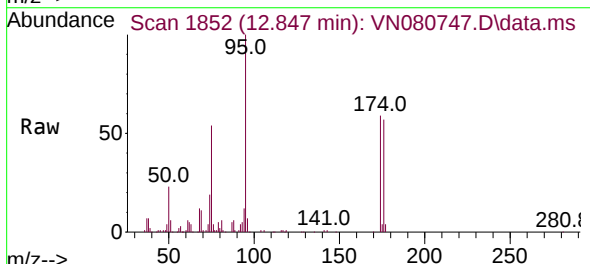
Instrument :
MSVOA_N
ClientSampleId :

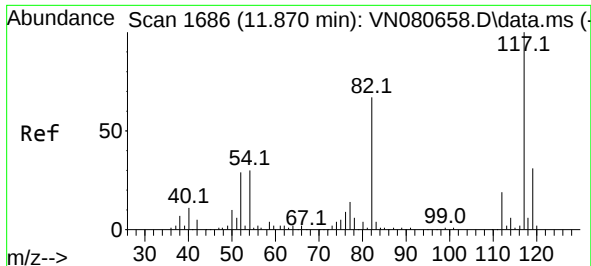
Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 7.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 57.333 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion: 95 Resp: 142518
Ion Ratio Lower Upper
95 100
174 60.4 0.0 143.8
176 59.4 0.0 135.8

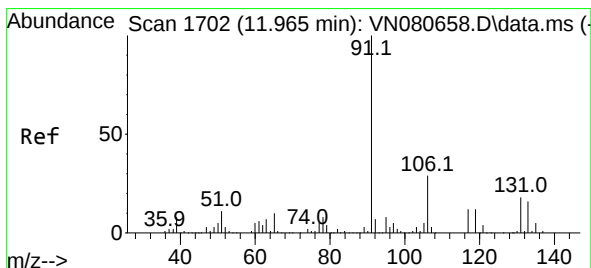
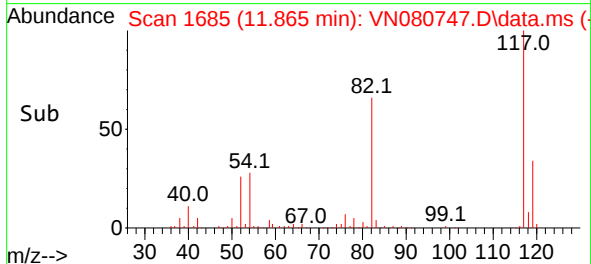
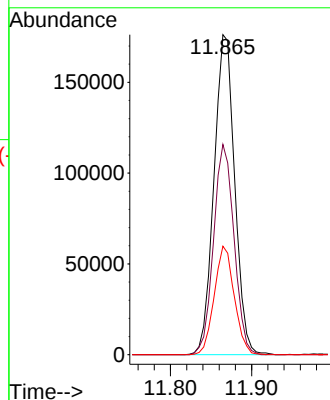
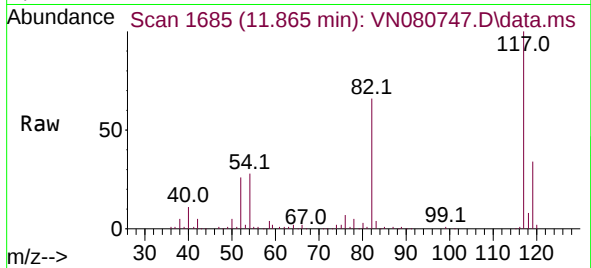




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

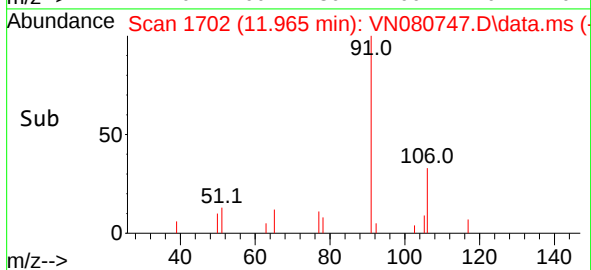
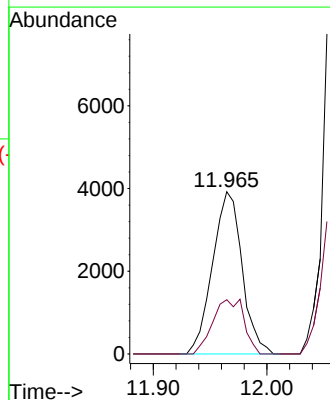
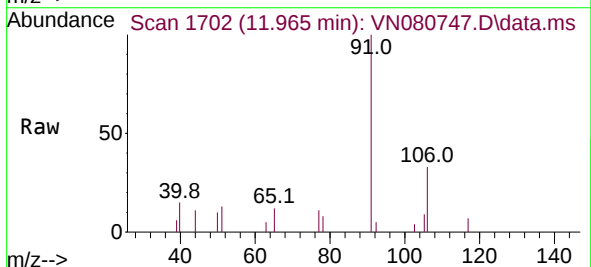
Instrument :
MSVOA_N
ClientSampleId :

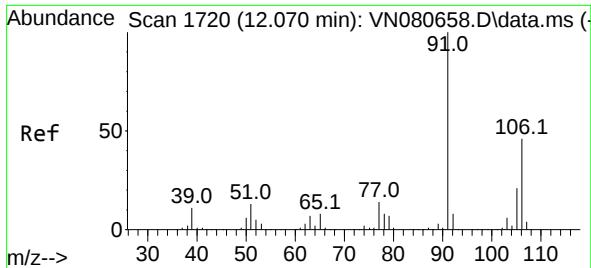
Tgt Ion:117 Resp: 313062
Ion Ratio Lower Upper
117 100
82 65.7 44.0 66.0
119 33.9 25.6 38.4



#67
Ethyl Benzene
Concen: 0.543 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion: 91 Resp: 7086
Ion Ratio Lower Upper
91 100
106 33.5 25.6 38.4

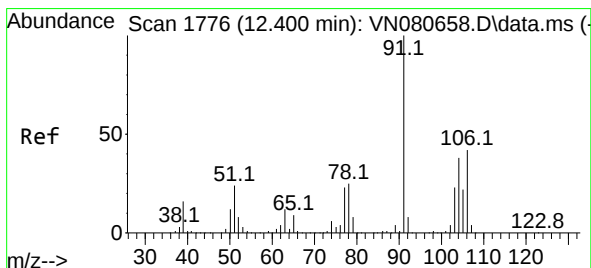
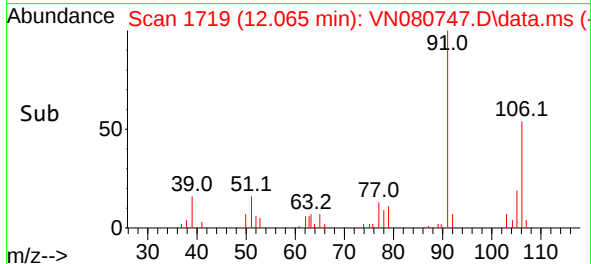
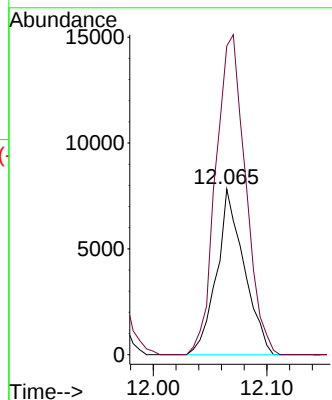
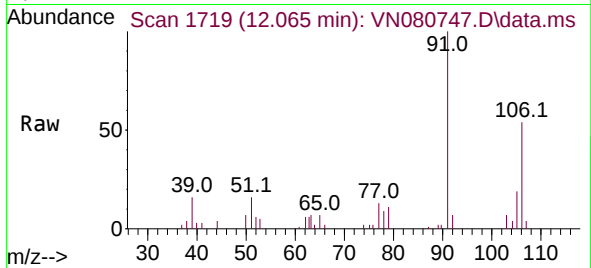




#68
m/p-Xylenes
Concen: 2.861 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

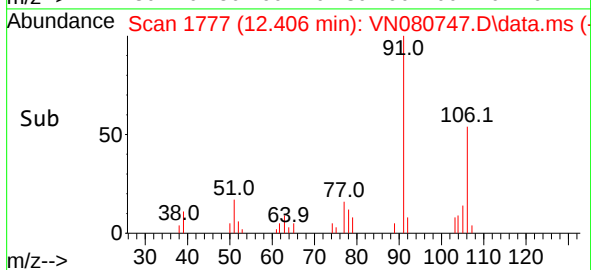
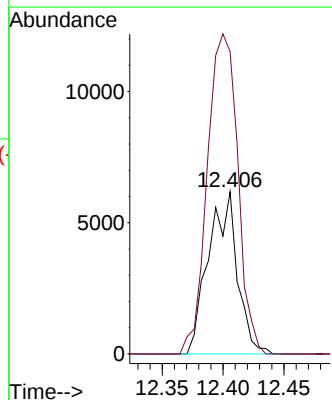
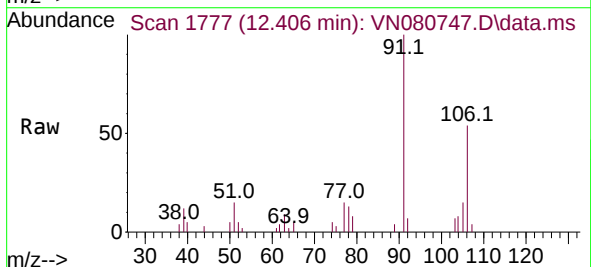
Instrument :
MSVOA_N
ClientSampleId :

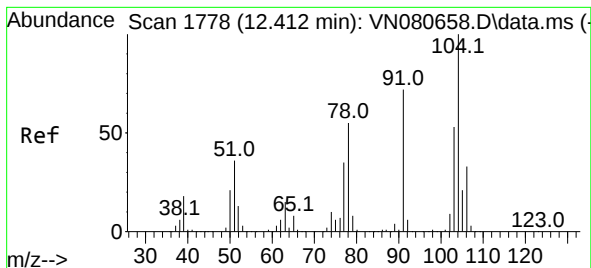
Tgt Ion:106 Resp: 13137
Ion Ratio Lower Upper
106 100
91 210.0 159.6 239.4



#69
o-Xylene
Concen: 2.266 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion:106 Resp: 10174
Ion Ratio Lower Upper
106 100
91 208.6 105.2 315.5





#70

Styrene

Concen: 0.220 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

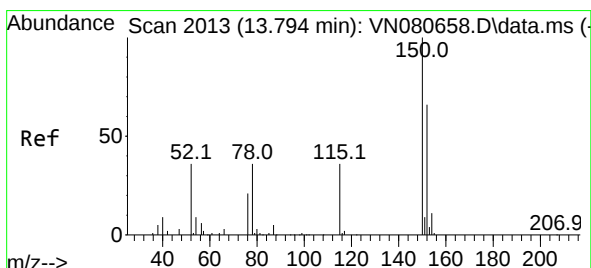
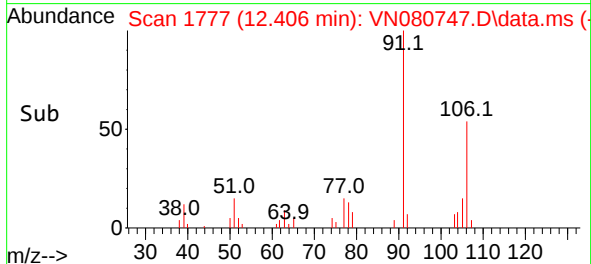
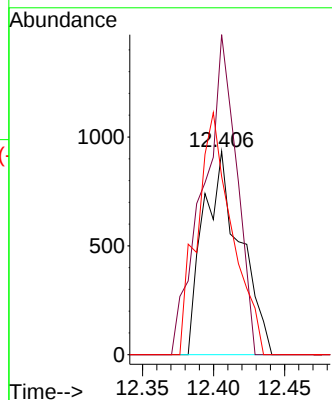
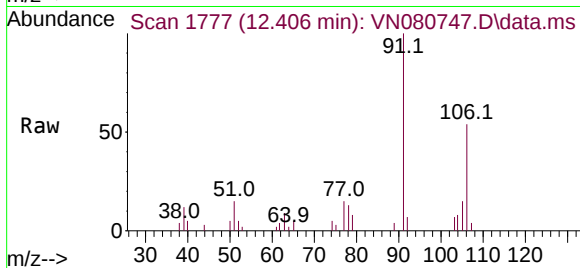
Tgt Ion:104 Resp: 1679

Ion Ratio Lower Upper

104 100

78 142.7 39.5 59.3#

103 113.0 43.2 64.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080747.D

Acq: 22 Jan 2024 19:45

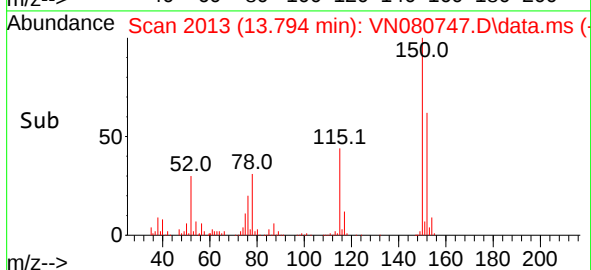
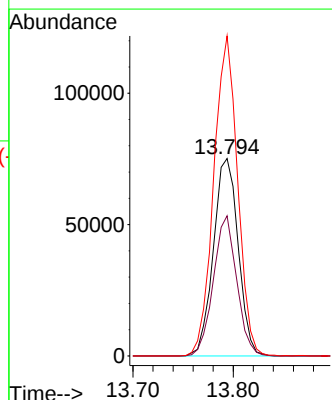
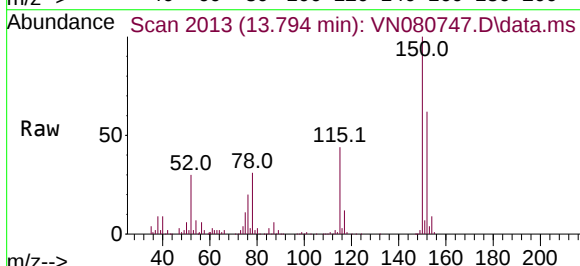
Tgt Ion:152 Resp: 129013

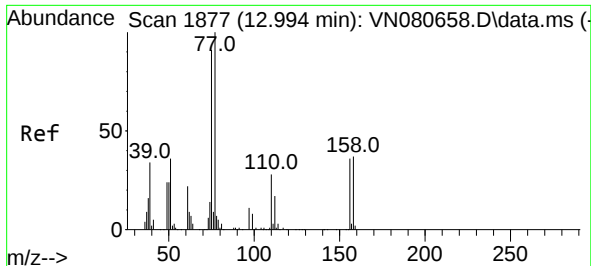
Ion Ratio Lower Upper

152 100

115 66.9 32.3 96.8

150 155.9 0.0 355.8

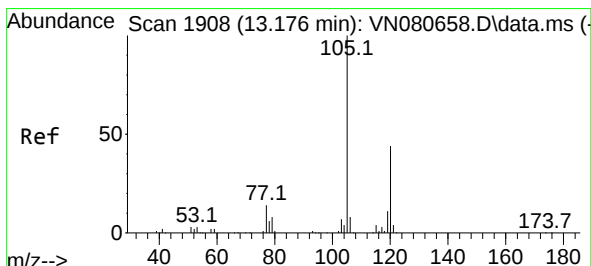
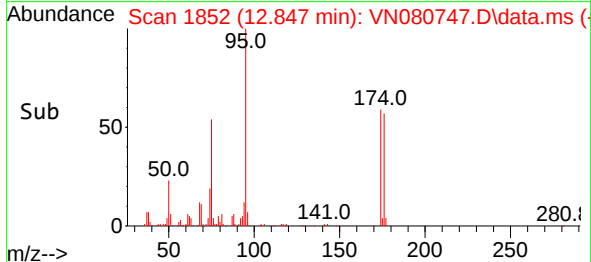
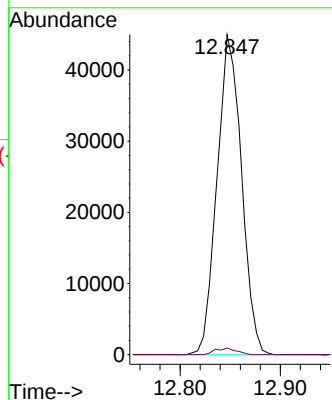
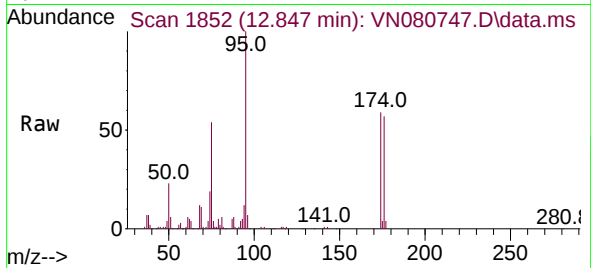




#76
 1,2,3-Trichloropropane
 Concen: 19.137 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. -0.147 min
 Lab File: VN080747.D
 Acq: 22 Jan 2024 19:45

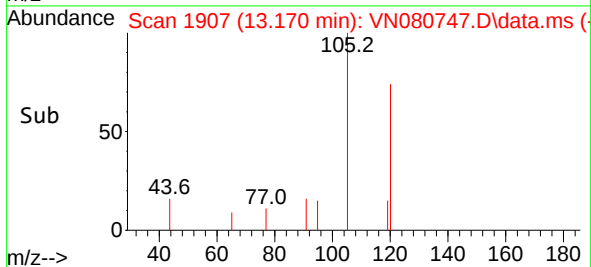
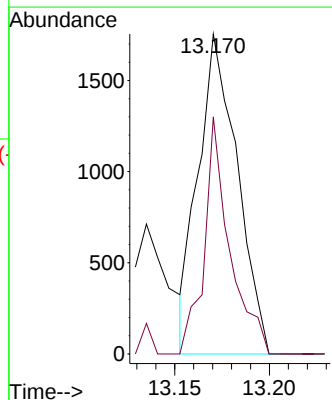
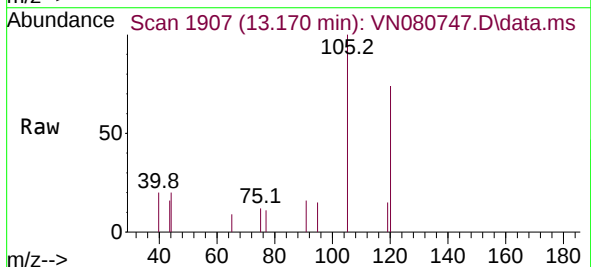
Instrument :
 MSVOA_N
 ClientSampleId :

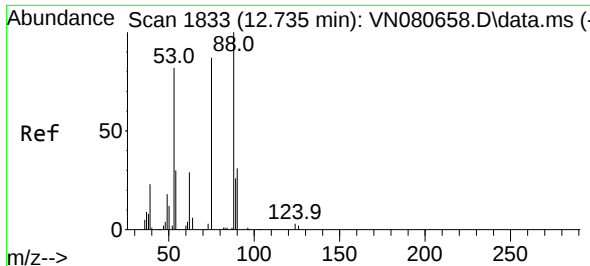
Tgt Ion: 75 Resp: 76130
 Ion Ratio Lower Upper
 75 100
 77 1.8 84.5 253.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.245 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VN080747.D
 Acq: 22 Jan 2024 19:45

Tgt Ion:105 Resp: 2507
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3

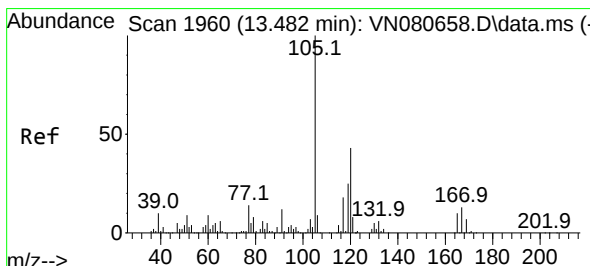
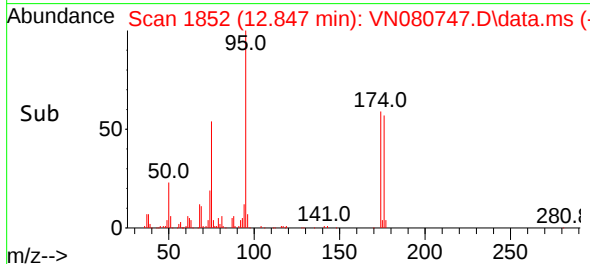
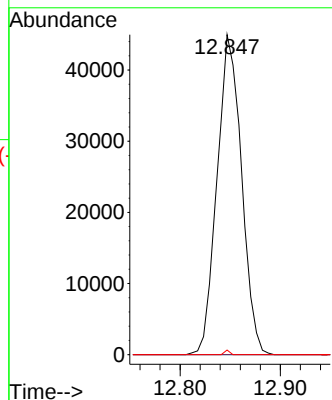
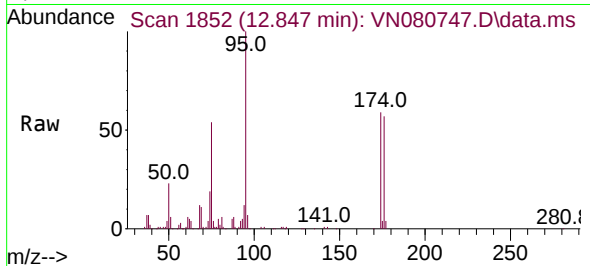




#81
trans-1,4-Dichloro-2-butene
Concen: 45.113 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

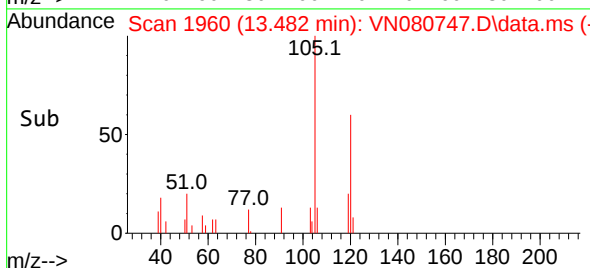
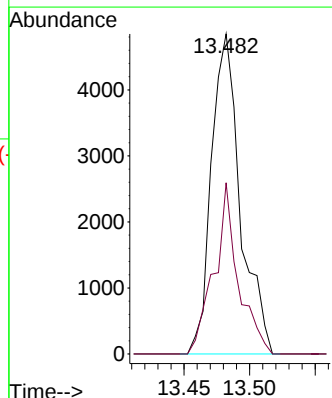
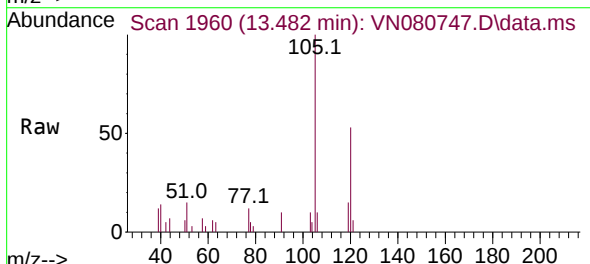
Instrument :
MSVOA_N
ClientSampleId :

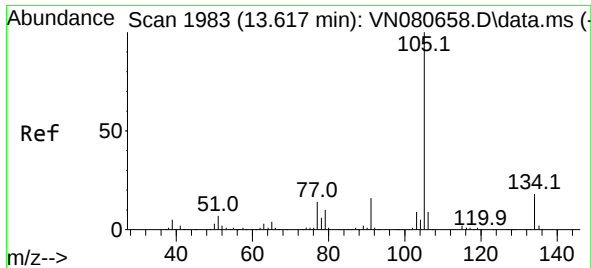
Tgt Ion: 75 Resp: 76130
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.3 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.738 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080747.D
Acq: 22 Jan 2024 19:45

Tgt Ion:105 Resp: 7419
Ion Ratio Lower Upper
105 100
120 44.5 22.0 66.0

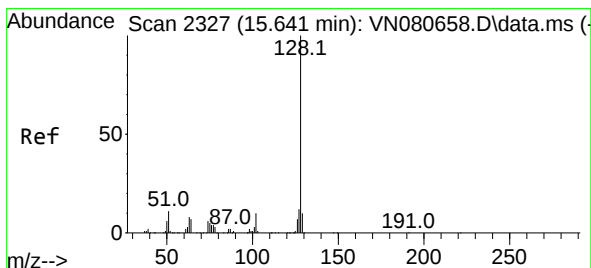
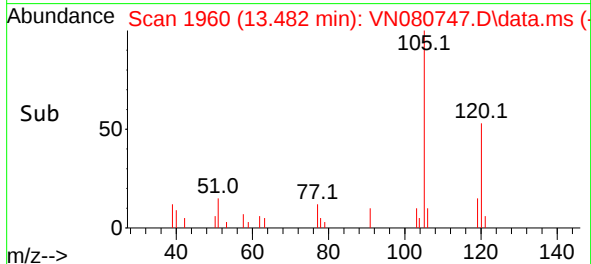
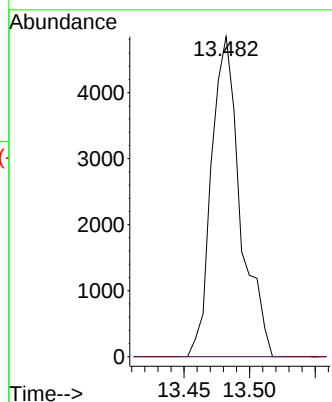
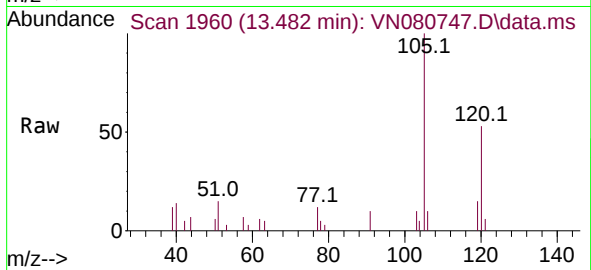




#85
 sec-Butylbenzene
 Concen: 0.639 ug/l
 RT: 13.482 min Scan# 1983
 Delta R.T. -0.135 min
 Lab File: VN080747.D
 Acq: 22 Jan 2024 19:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:105 Resp: 7419
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#95
 Naphthalene
 Concen: 6.315 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN080747.D
 Acq: 22 Jan 2024 19:45

Tgt Ion:128 Resp: 56766
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.0 15.0
 129 10.6 8.7 13.1

