

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080748.D
 Acq On : 22 Jan 2024 20:08
 Operator : JC\MD
 Sample : P1179-15 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 23 03:59:38 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)

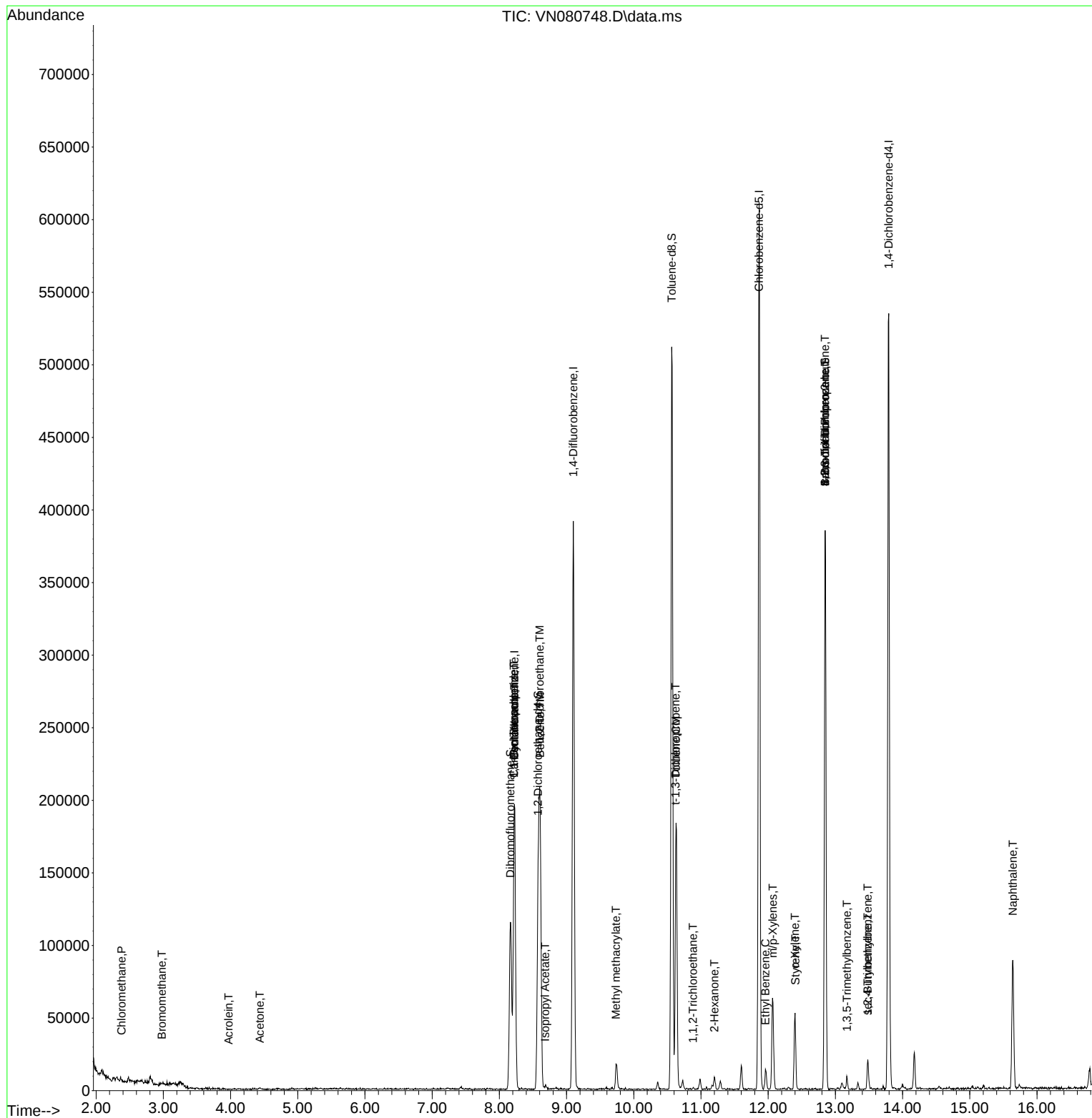
Internal Standards						
1) Pentafluorobenzene	8.223	168	129229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	310195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	99346	43.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.560%		
35) Dibromofluoromethane	8.165	113	83085	48.282	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.560%		
50) Toluene-d8	10.564	98	345252	52.617	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.240%		
62) 4-Bromofluorobenzene	12.847	95	133239	52.951	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.900%		
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	2757	0.517	ug/l	93
5) Bromomethane	2.977	94	336	0.464	ug/l #	4
6) Chloroethane	3.130	64	132	Below Cal	#	43
13) Acrolein	3.971	56	82	0.256	ug/l #	16
16) Acetone	4.435	43	1006	1.350	ug/l #	40
31) Cyclohexane	8.223	56	5126	1.462	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14467	4.104	ug/l #	46
38) Carbon Tetrachloride	8.218	117	15627	4.937	ug/l #	14
40) Benzene	8.606	78	170735	17.229	ug/l	98
42) 1,2-Dichloroethane	8.600	62	1814	0.478	ug/l #	73
43) Isopropyl Acetate	8.682	43	2240	0.357	ug/l #	88
48) Methyl methacrylate	9.735	41	1937	0.651	ug/l #	18
52) Toluene	10.629	92	79428	13.990	ug/l	99
53) t-1,3-Dichloropropene	10.623	75	997	0.243	ug/l #	1
55) 1,1,2-Trichloroethane	10.882	97	779	0.356	ug/l #	16
59) 2-Hexanone	11.200	43	1104	0.441	ug/l #	29
67) Ethyl Benzene	11.959	91	10035	0.775	ug/l #	77
68) m/p-Xylenes	12.070	106	19139	4.207	ug/l	97
69) o-Xylene	12.400	106	13626	3.063	ug/l	98
70) Styrene	12.406	104	2142	0.284	ug/l #	1
71) Bromoform	12.847	173	678	0.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77307	19.895	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	3738	0.374	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	77307	46.900	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	10901	1.110	ug/l	96
85) sec-Butylbenzene	13.482	105	10901	0.961	ug/l #	57
95) Naphthalene	15.641	128	77430	8.819	ug/l	99

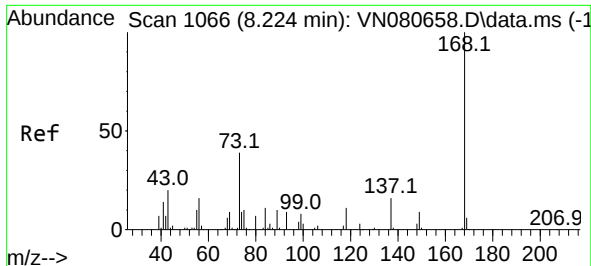
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
Data File : VN080748.D
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Sample : P1179-15 50X
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Instrument :
MSVOA_N
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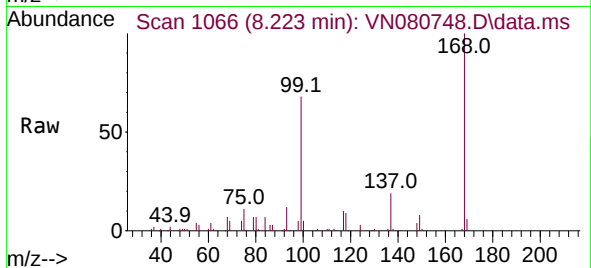
Quant Time: Jan 23 03:59:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
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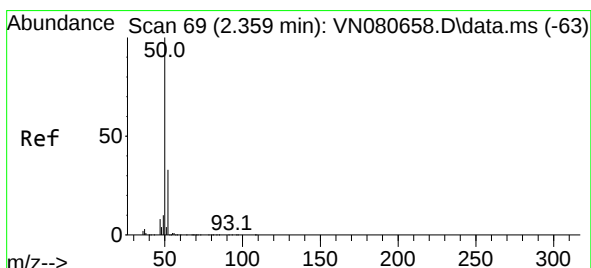
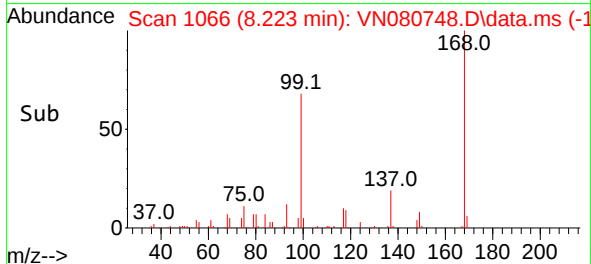
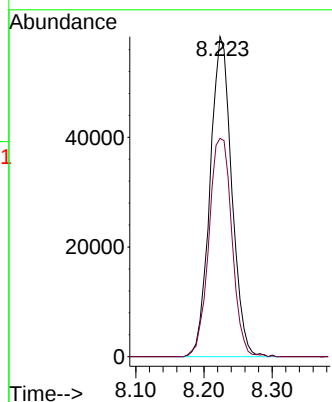


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Instrument :
MSVOA_N
ClientSampleId :

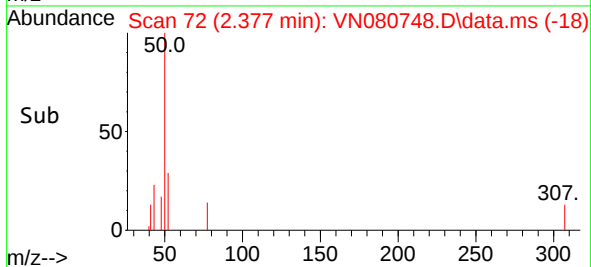
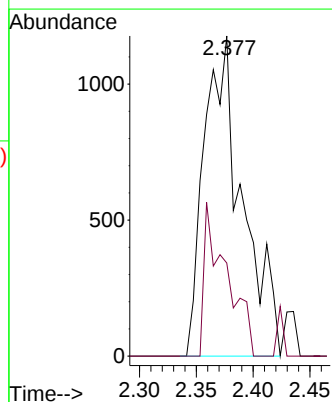
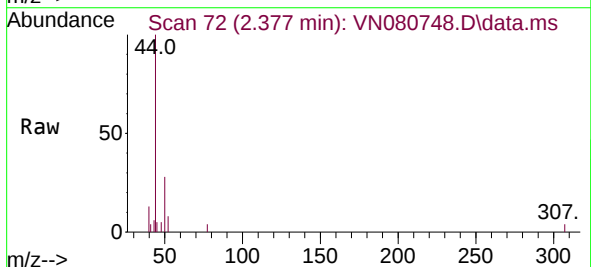


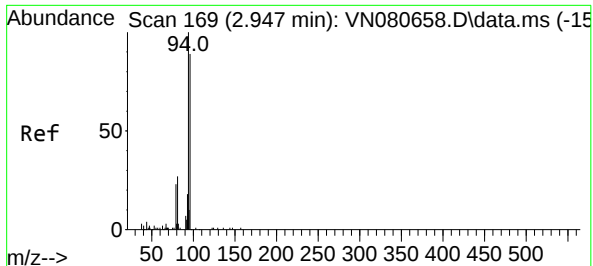
Tgt Ion:168 Resp: 129229
Ion Ratio Lower Upper
168 100
99 68.2 53.0 79.6



#3
Chloromethane
Concen: 0.517 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.018 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 50 Resp: 2757
Ion Ratio Lower Upper
50 100
52 29.1 26.5 39.7

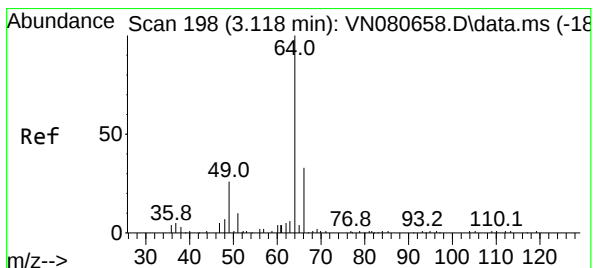
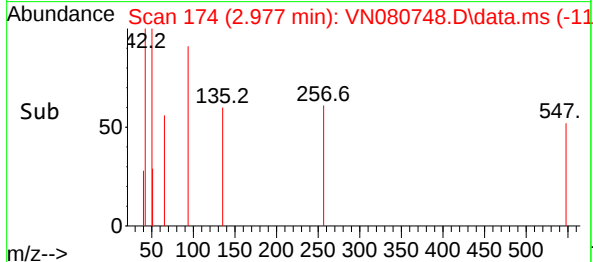
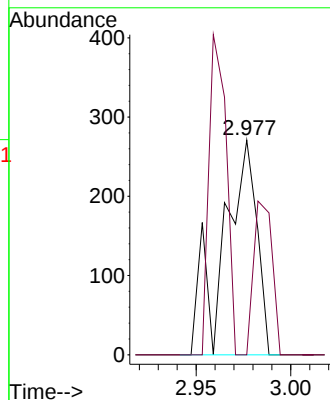
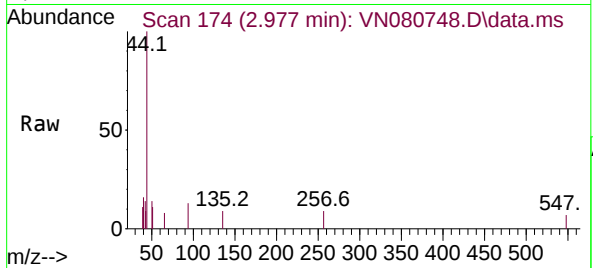




#5
Bromomethane
Concen: 0.464 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

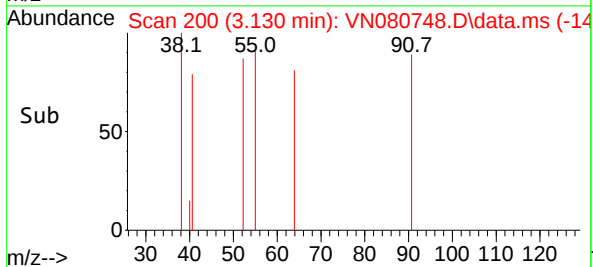
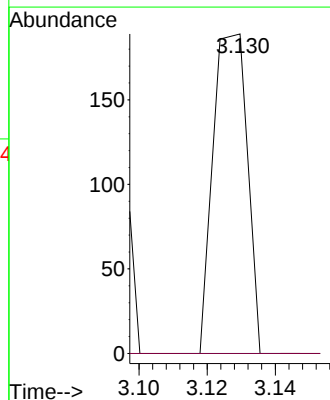
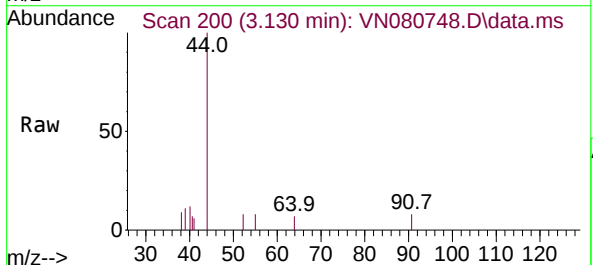
Instrument :
MSVOA_N
ClientSampleId :

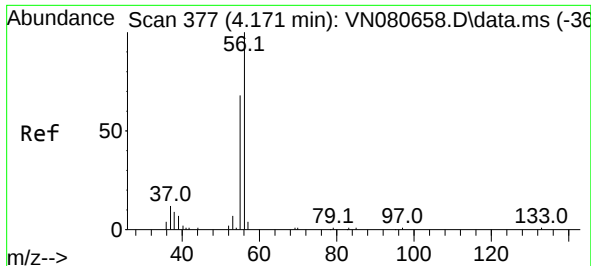
Tgt Ion: 94 Resp: 336
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

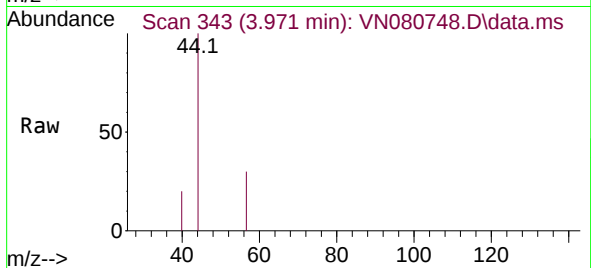
Tgt Ion: 64 Resp: 132
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



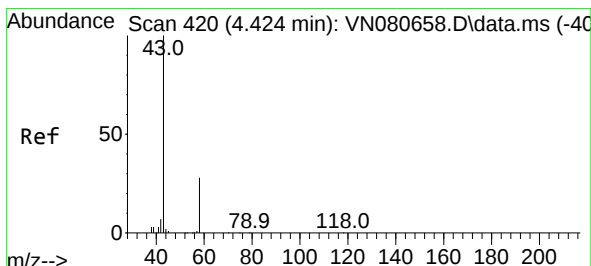
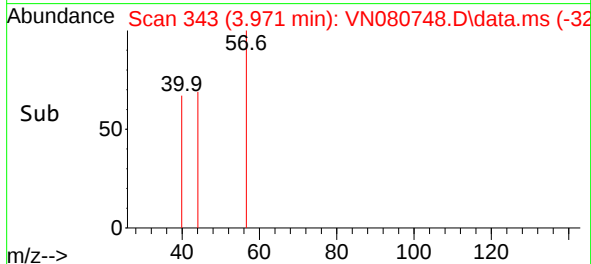
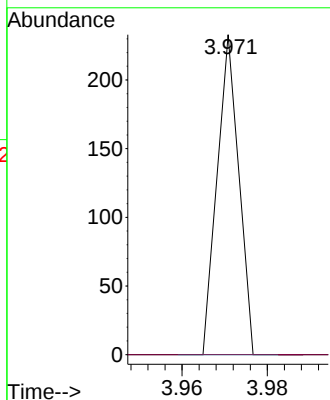


#13
Acrolein
Concen: 0.256 ug/l
RT: 3.971 min Scan# 34
Delta R.T. -0.200 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Instrument :
MSVOA_N
ClientSampleId :

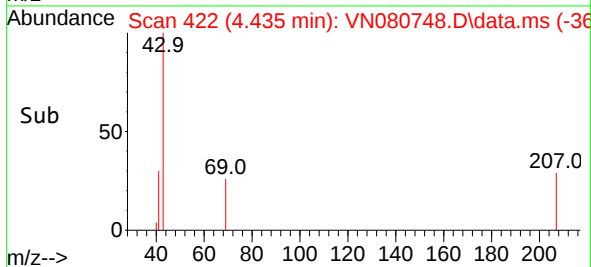
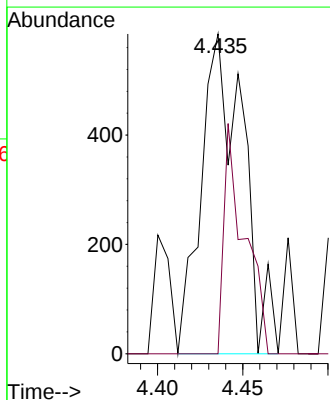
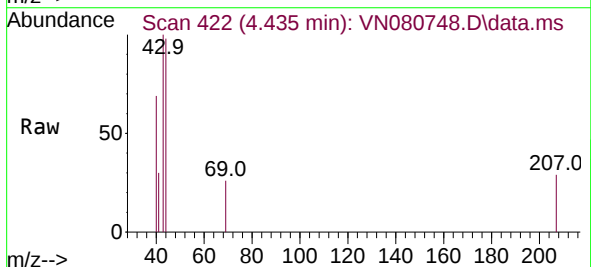


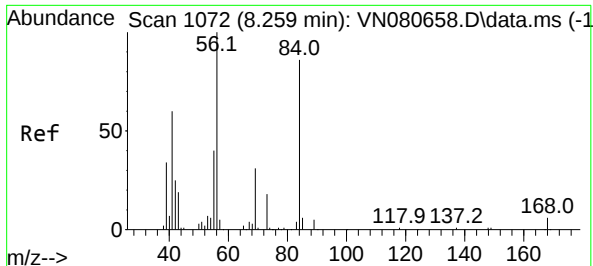
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 1.350 ug/l
RT: 4.435 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

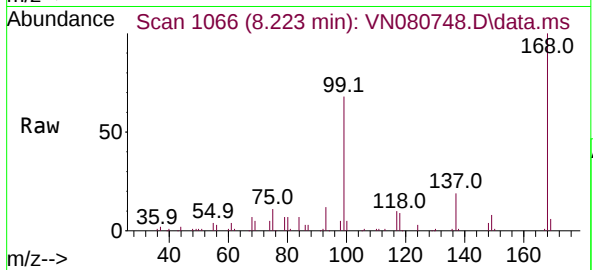
Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



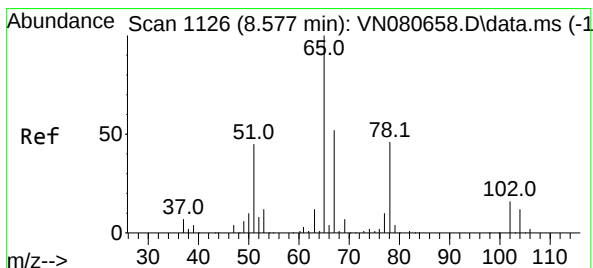
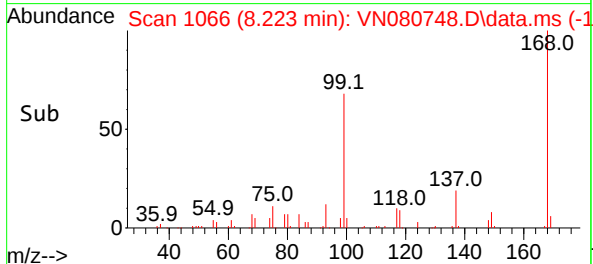
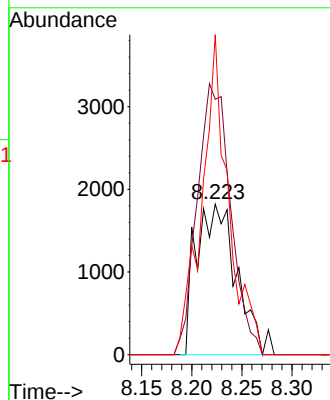


#31
Cyclohexane
Concen: 1.462 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Instrument :
MSVOA_N
ClientSampleId :

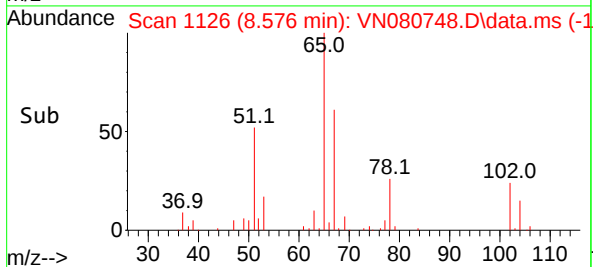
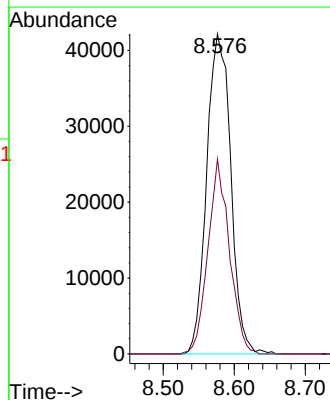
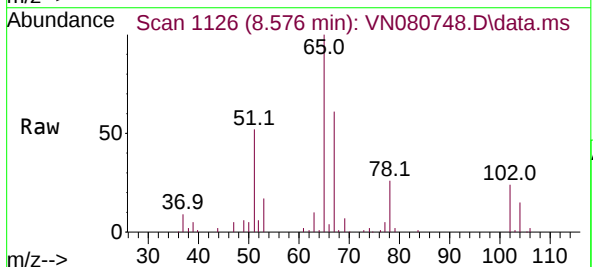


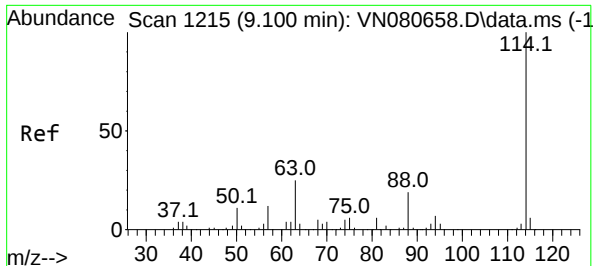
Tgt Ion: 56 Resp: 5126
Ion Ratio Lower Upper
56 100
69 169.6 26.8 40.2#
84 212.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 43.776 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 65 Resp: 99346
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080748.D

Acq: 22 Jan 2024 20:08

Instrument :

MSVOA_N

ClientSampleId :

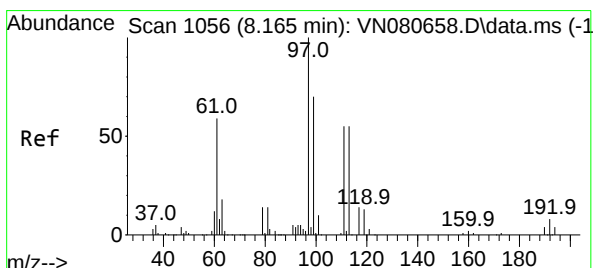
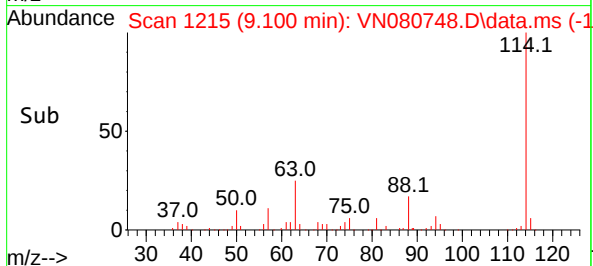
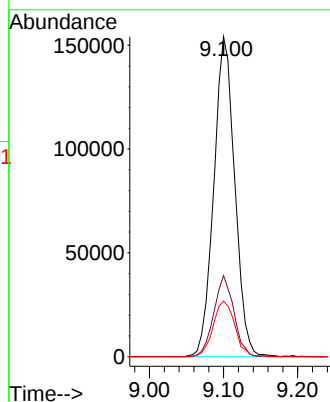
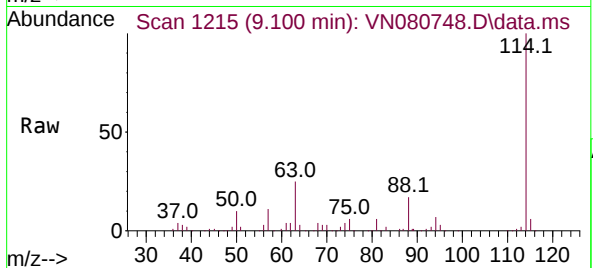
Tgt Ion:114 Resp: 302871

Ion Ratio Lower Upper

114 100

63 25.3 0.0 36.4

88 17.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.282 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080748.D

Acq: 22 Jan 2024 20:08

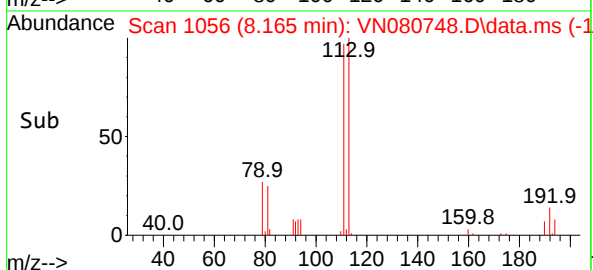
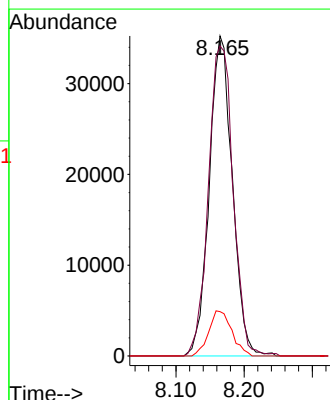
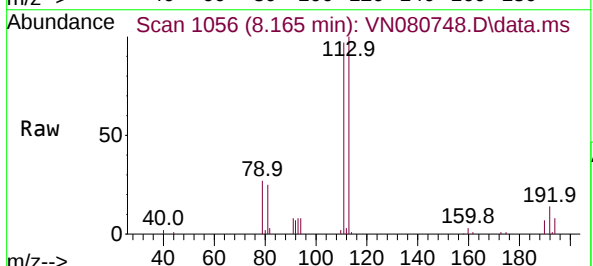
Tgt Ion:113 Resp: 83085

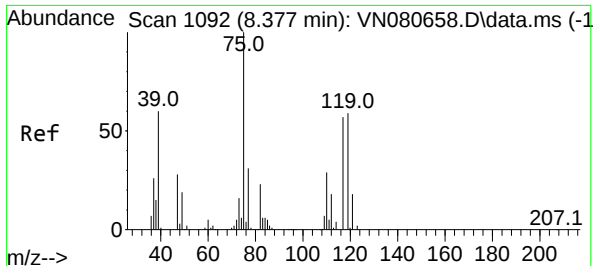
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

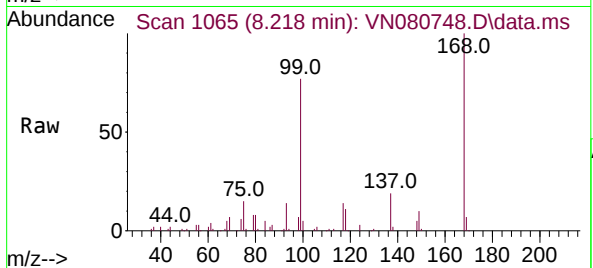
192 14.1 12.7 19.1



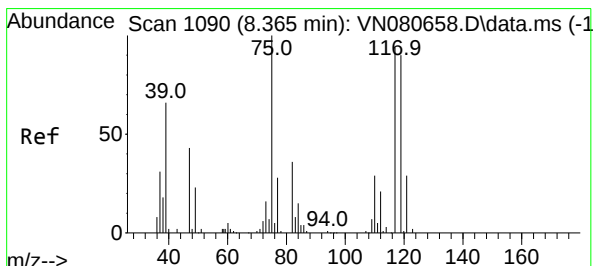
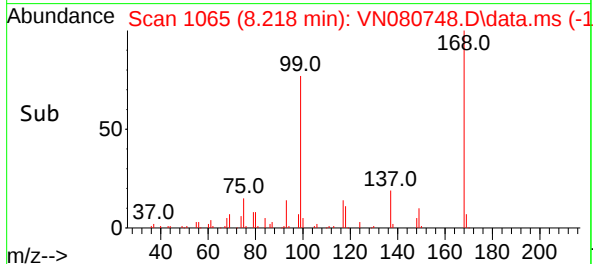
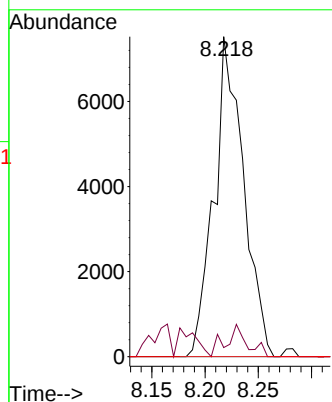


#36
 1,1-Dichloropropene
 Concen: 4.104 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.159 min
 Lab File: VN080748.D
 Acq: 22 Jan 2024 20:08

Instrument :
 MSVOA_N
 ClientSampleId :

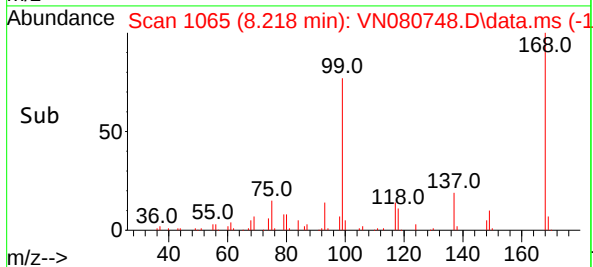
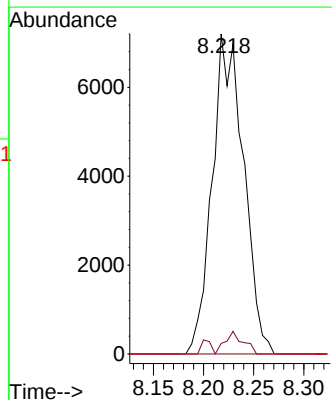
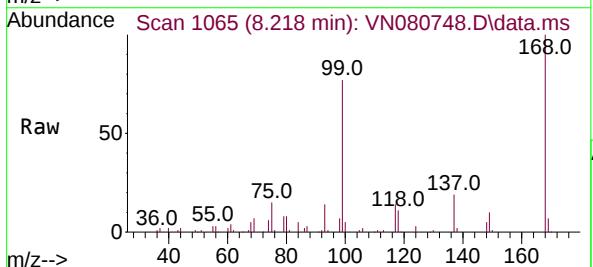


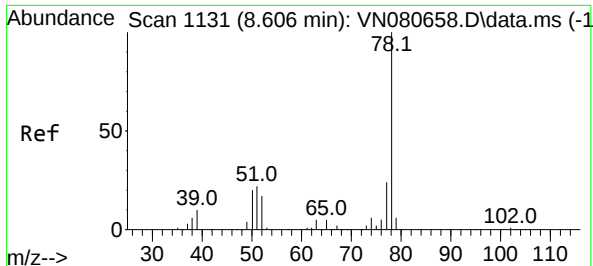
Tgt Ion: 75 Resp: 14467
 Ion Ratio Lower Upper
 75 100
 110 7.1 19.1 57.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.937 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.147 min
 Lab File: VN080748.D
 Acq: 22 Jan 2024 20:08

Tgt Ion: 117 Resp: 15627
 Ion Ratio Lower Upper
 117 100
 119 3.3 77.3 115.9#
 121 0.0 23.3 34.9#

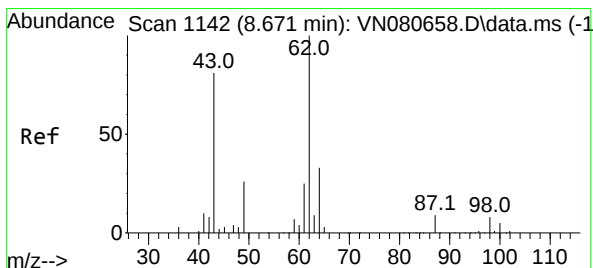
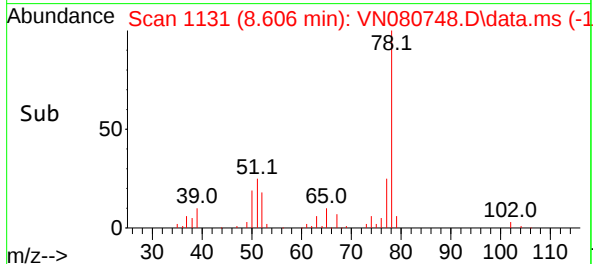
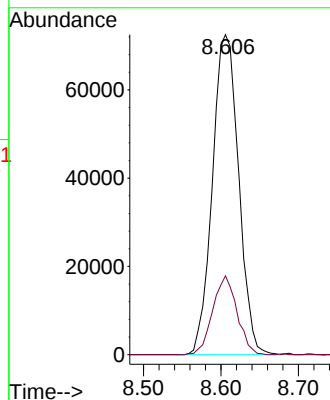
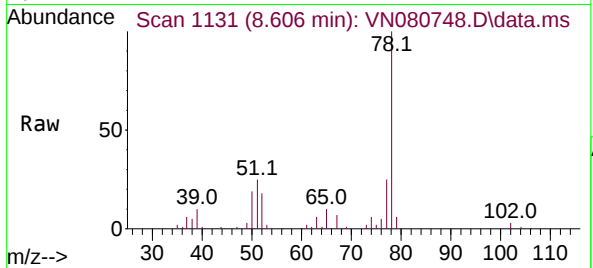




#40
Benzene
Concen: 17.229 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

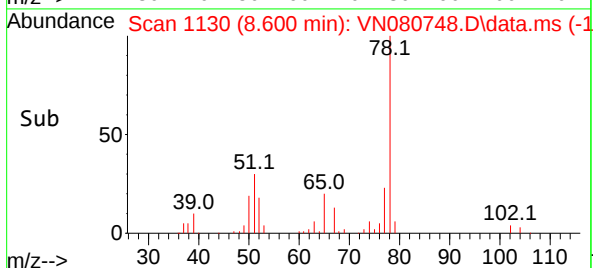
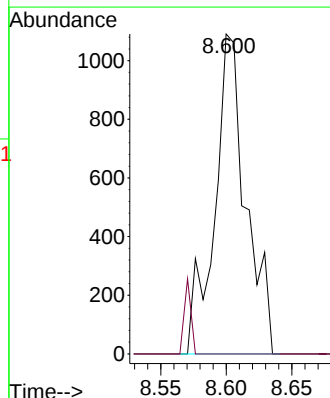
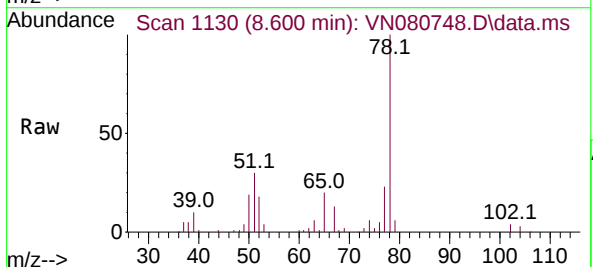
Instrument :
MSVOA_N
ClientSampleId :

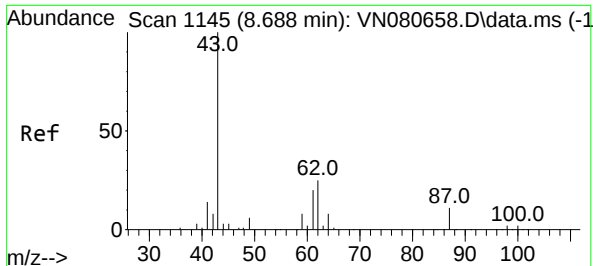
Tgt Ion: 78 Resp: 170735
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6



#42
1,2-Dichloroethane
Concen: 0.478 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.071 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

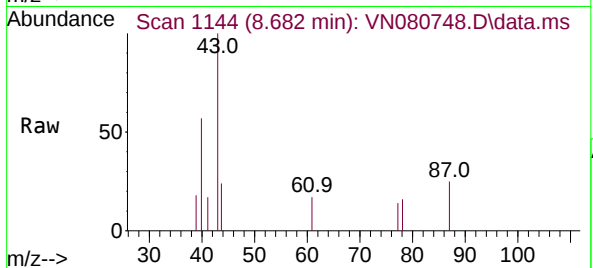
Tgt Ion: 62 Resp: 1814
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



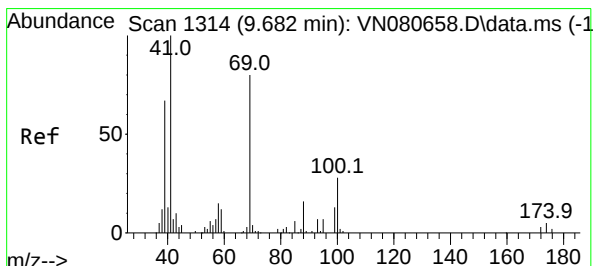
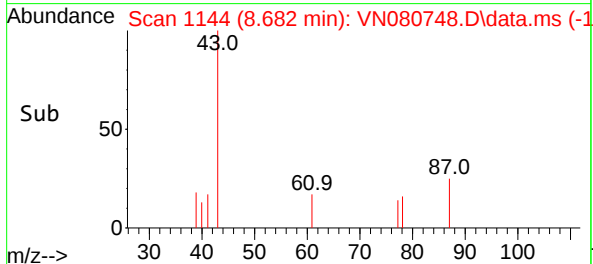
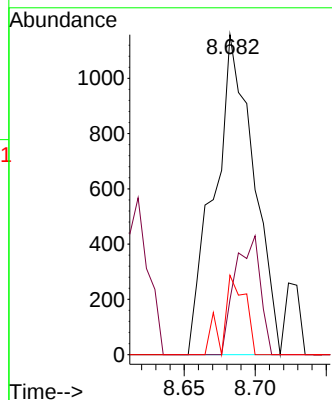


#43
Isopropyl Acetate
Concen: 0.357 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Instrument :
MSVOA_N
ClientSampleId :

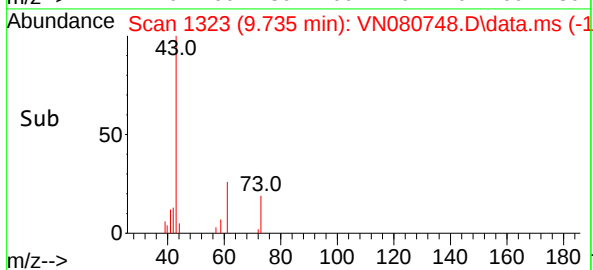
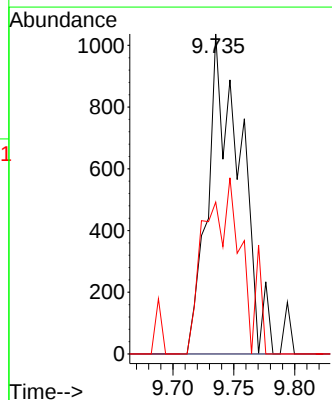
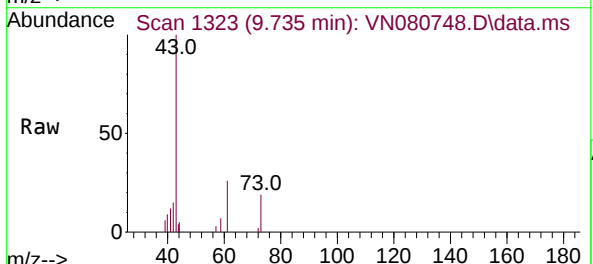


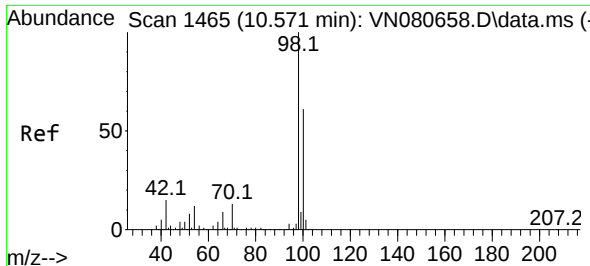
Tgt Ion: 43 Resp: 2240
Ion Ratio Lower Upper
43 100
61 23.8 24.7 37.1#
87 13.8 14.6 21.8#



#48
Methyl methacrylate
Concen: 0.651 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.053 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 41 Resp: 1937
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 33.8 54.6 81.8#

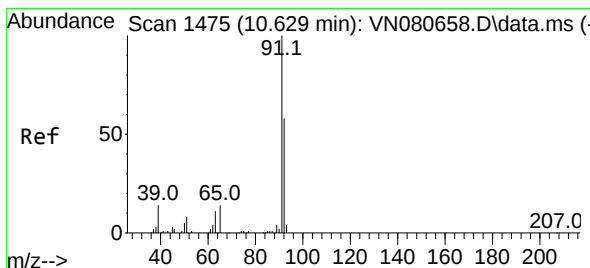
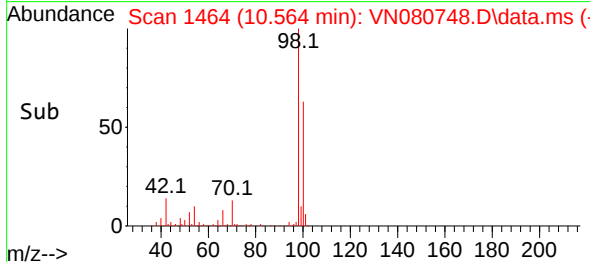
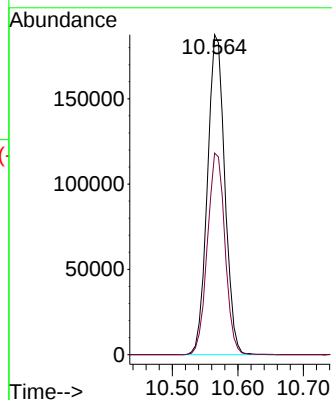
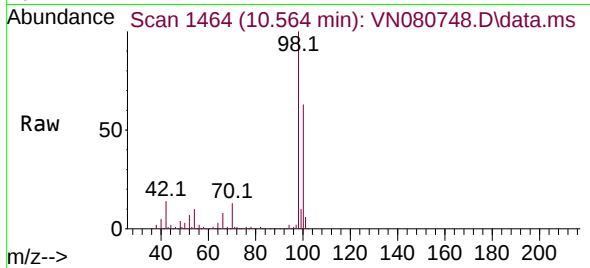




#50
Toluene-d8
Concen: 52.617 ug/l
RT: 10.564 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

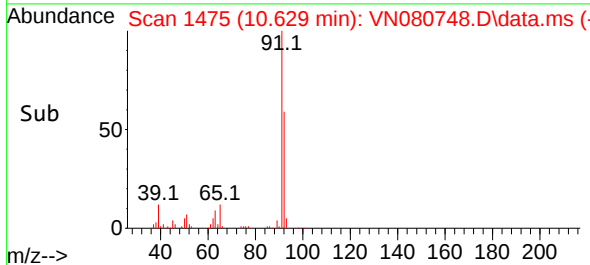
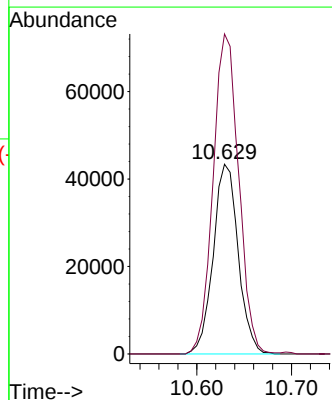
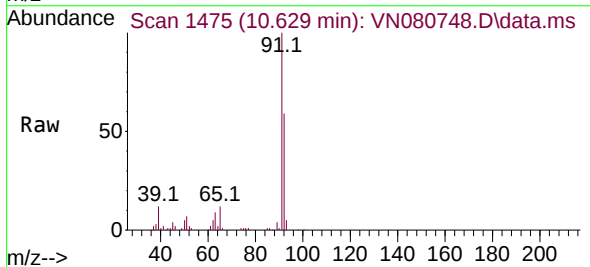
Instrument :
MSVOA_N
ClientSampleId :

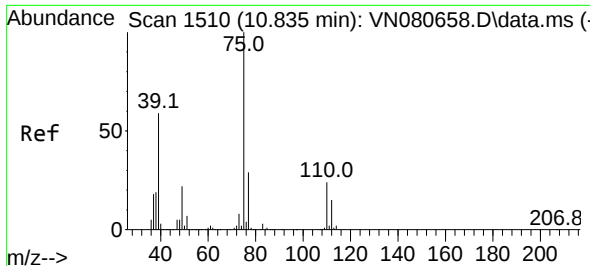
Tgt Ion: 98 Resp: 345252
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#52
Toluene
Concen: 13.990 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 92 Resp: 79428
Ion Ratio Lower Upper
92 100
91 173.0 137.4 206.0

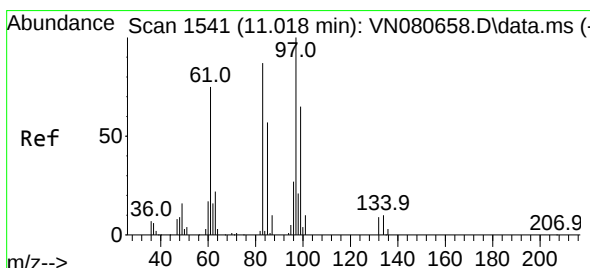
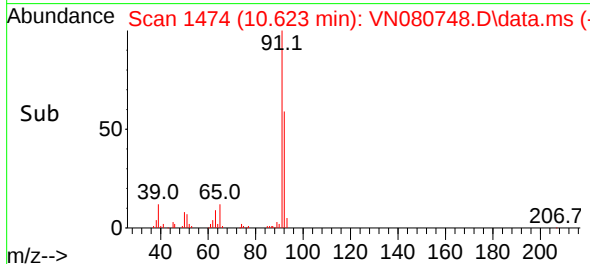
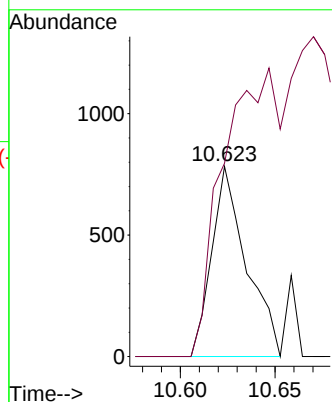
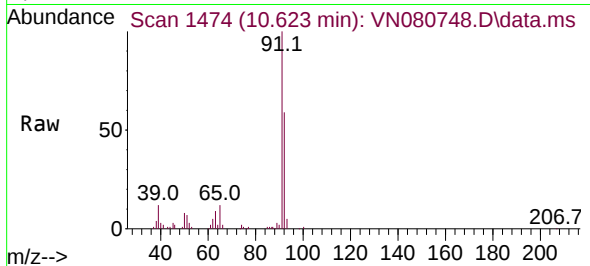




#53
t-1,3-Dichloropropene
Concen: 0.243 ug/l
RT: 10.623 min Scan# 14
Delta R.T. -0.212 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

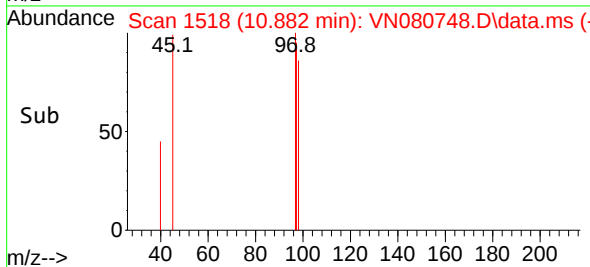
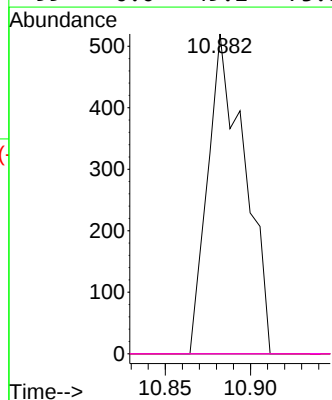
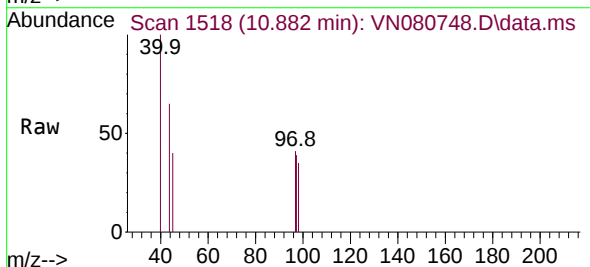
Instrument :
MSVOA_N
ClientSampleId :

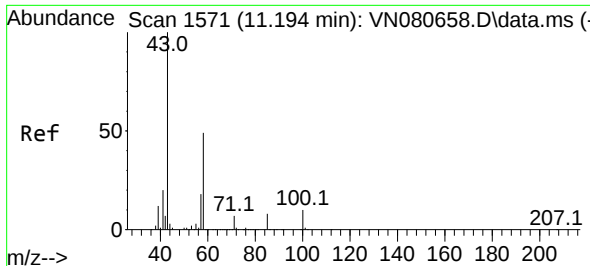
Tgt Ion: 75 Resp: 997
Ion Ratio Lower Upper
75 100
77 101.7 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.356 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.135 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 97 Resp: 779
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 0.0 43.4 65.2#
99 0.0 49.2 73.8#

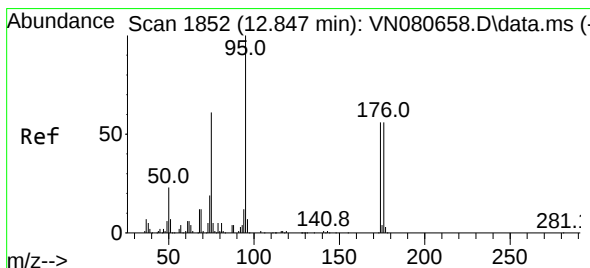
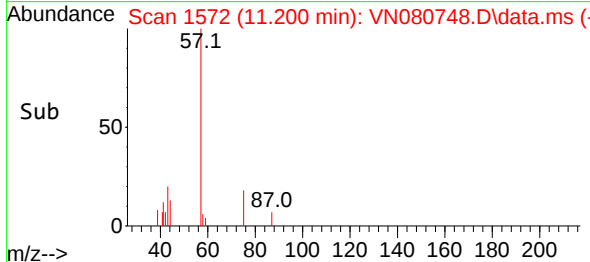
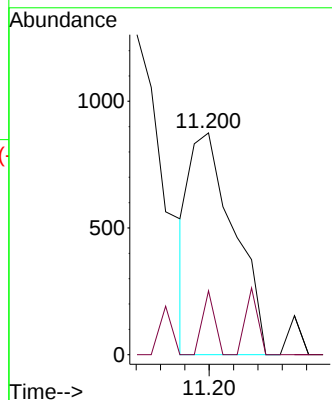
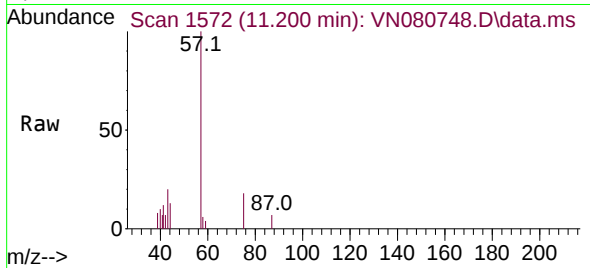




#59
2-Hexanone
Concen: 0.441 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

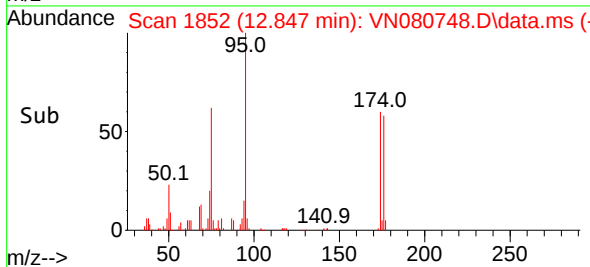
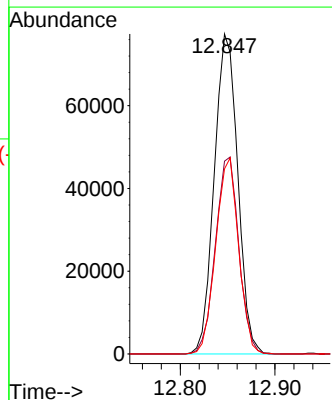
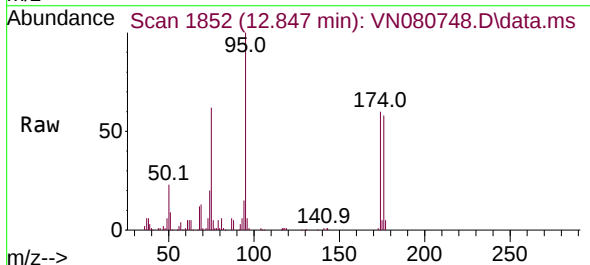
Instrument :
MSVOA_N
ClientSampleId :

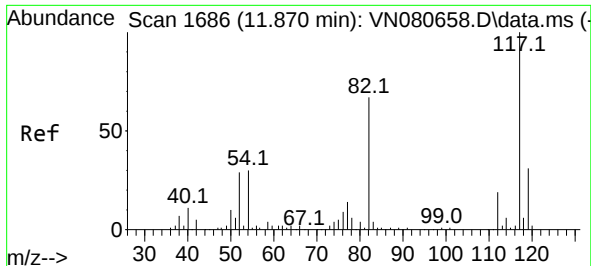
Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 8.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.951 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 95 Resp: 133239
Ion Ratio Lower Upper
95 100
174 61.4 0.0 143.8
176 59.6 0.0 135.8

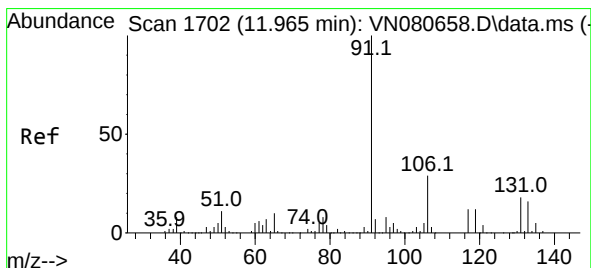
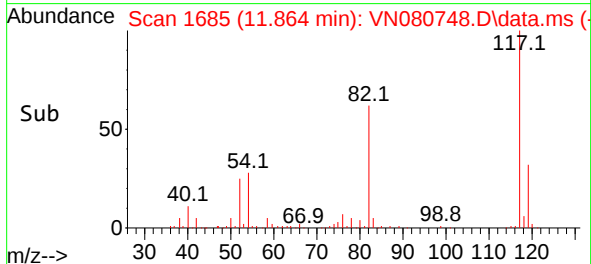
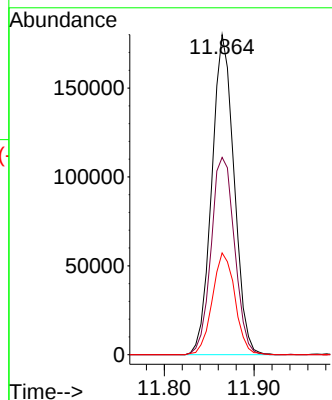
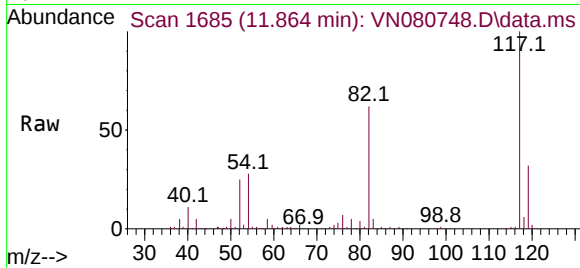




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

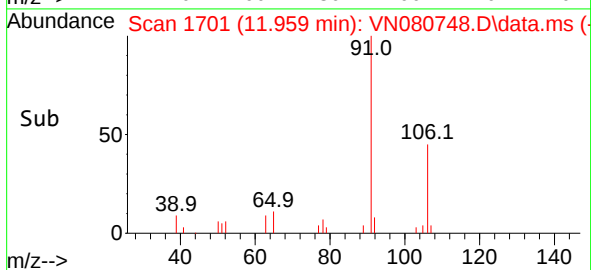
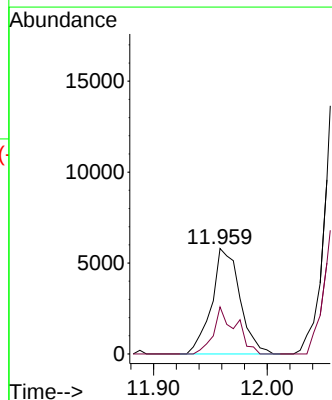
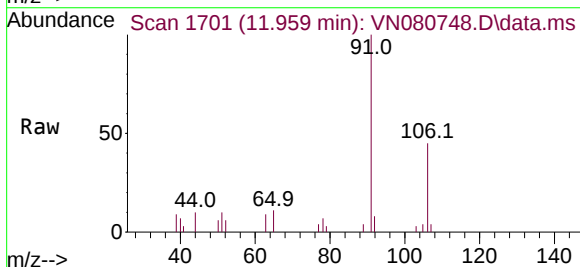
Instrument :
MSVOA_N
ClientSampleId :

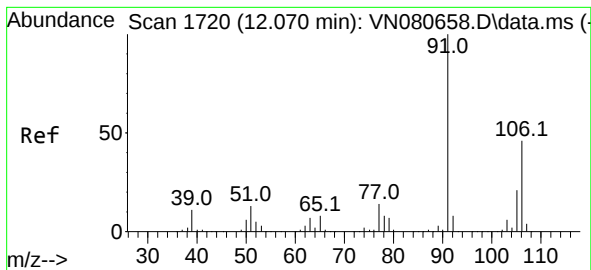
Tgt Ion:117 Resp: 310195
Ion Ratio Lower Upper
117 100
82 61.7 44.0 66.0
119 31.8 25.6 38.4



#67
Ethyl Benzene
Concen: 0.775 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 91 Resp: 10035
Ion Ratio Lower Upper
91 100
106 44.6 25.6 38.4#

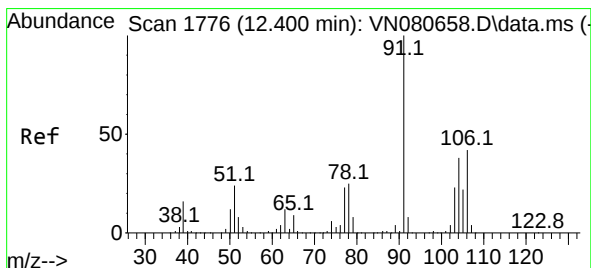
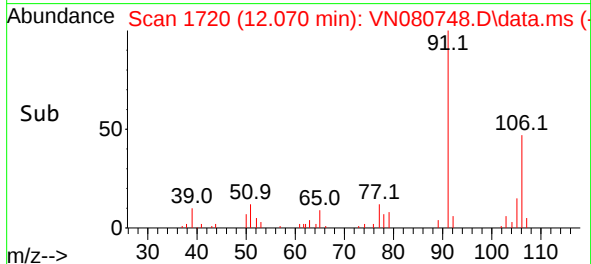
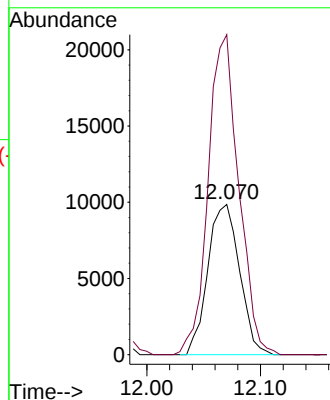
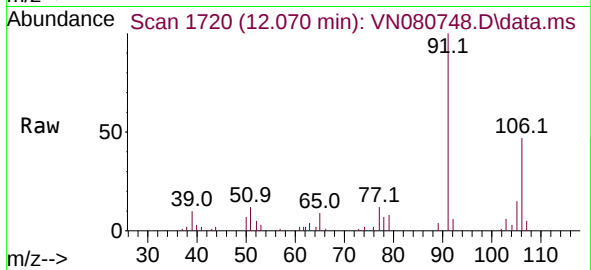




#68
m/p-Xylenes
Concen: 4.207 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

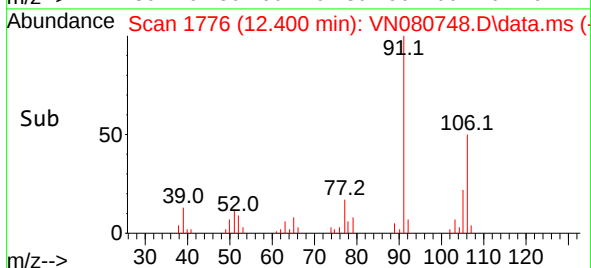
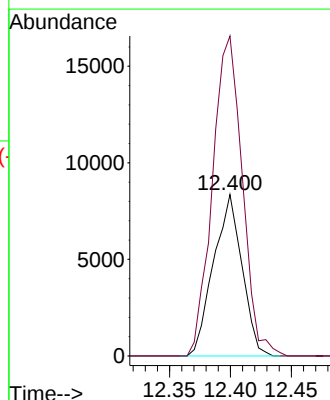
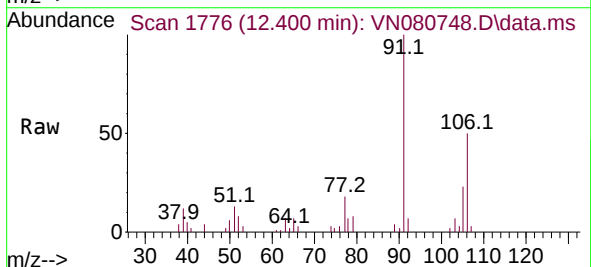
Instrument :
MSVOA_N
ClientSampleId :

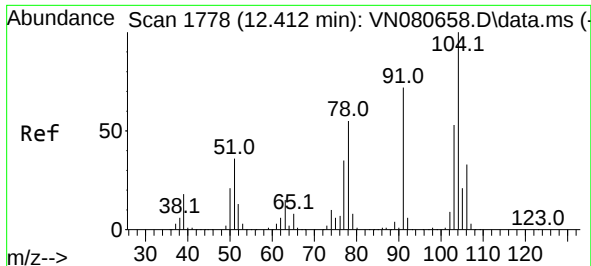
Tgt Ion:106 Resp: 19139
Ion Ratio Lower Upper
106 100
91 204.7 159.6 239.4



#69
o-Xylene
Concen: 3.063 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion:106 Resp: 13626
Ion Ratio Lower Upper
106 100
91 207.6 105.2 315.5

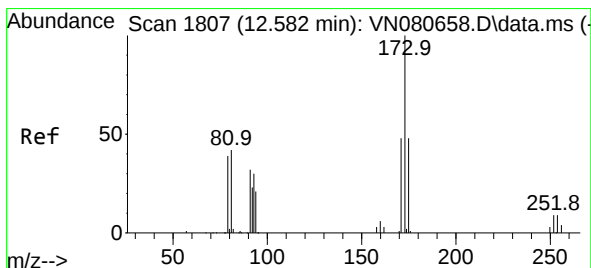
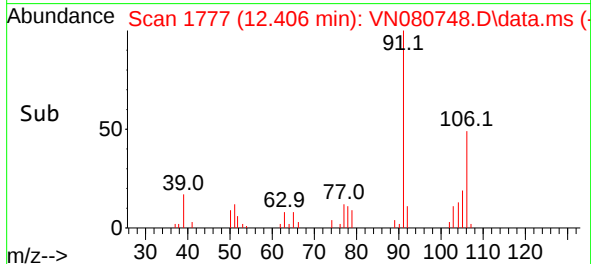
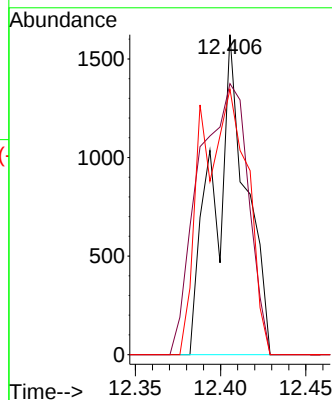
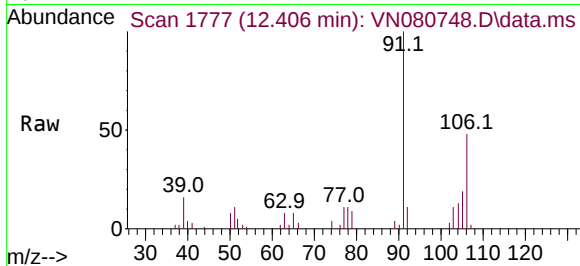




#70
Styrene
Concen: 0.284 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

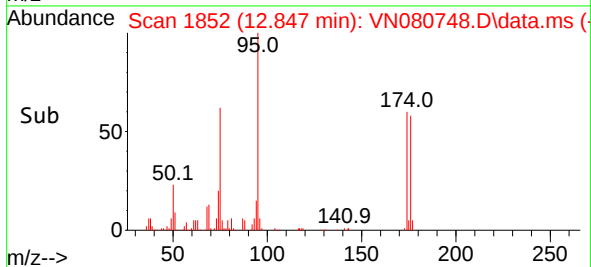
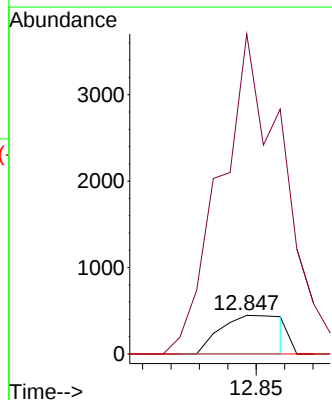
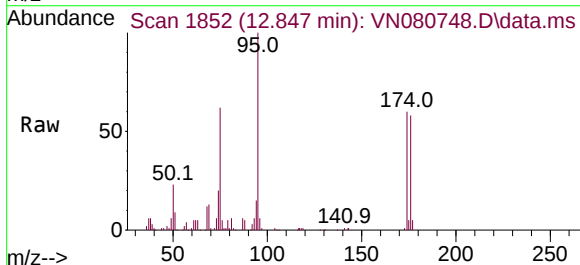
Instrument :
MSVOA_N
ClientSampleId :

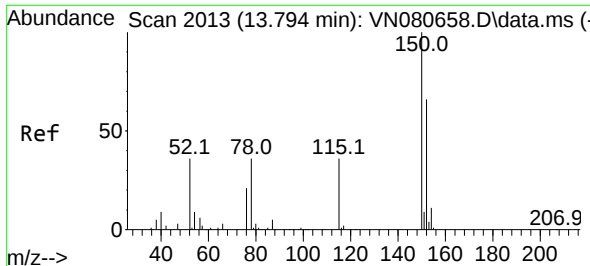
Tgt Ion:104 Resp: 2142
Ion Ratio Lower Upper
104 100
78 129.4 39.5 59.3#
103 117.8 43.2 64.8#



#71
Bromoform
Concen: 0.410 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

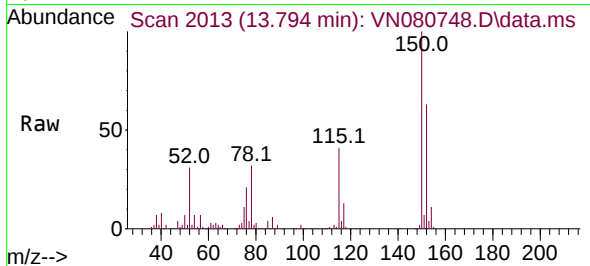
Tgt Ion:173 Resp: 678
Ion Ratio Lower Upper
173 100
175 581.9 24.3 73.0#
254 0.0 0.0 0.0



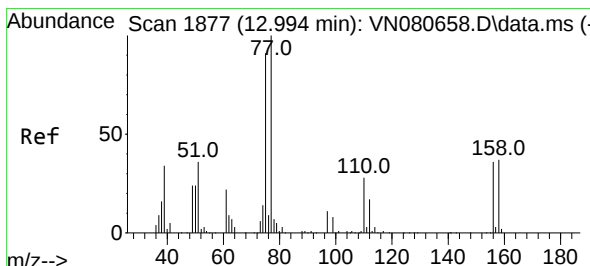
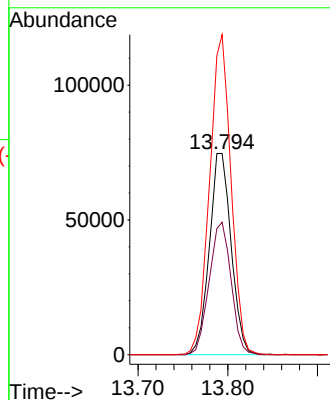
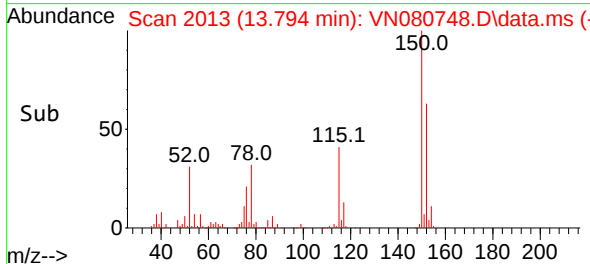


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Instrument :
MSVOA_N
ClientSampleId :

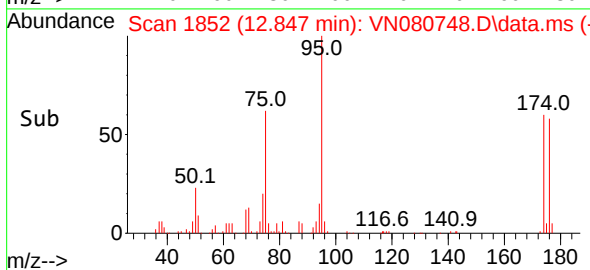
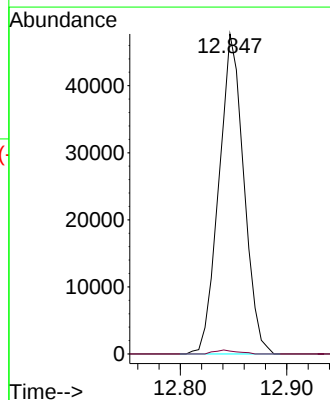
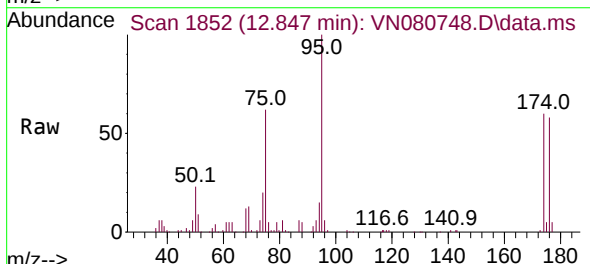


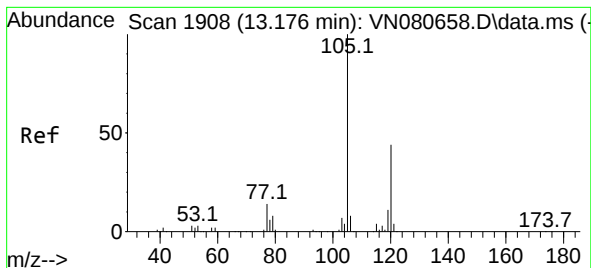
Tgt Ion:152 Resp: 126015
Ion Ratio Lower Upper
152 100
115 66.0 32.3 96.8
150 155.9 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 19.895 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Tgt Ion: 75 Resp: 77307
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.374 ug/l

RT: 13.170 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VN080748.D

Acq: 22 Jan 2024 20:08

Instrument :

MSVOA_N

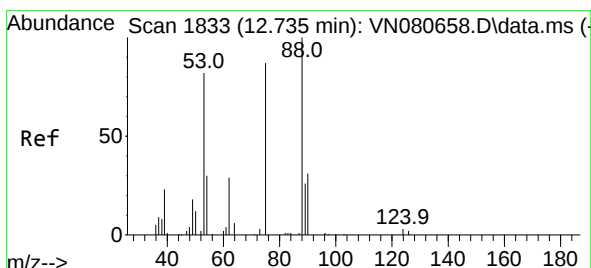
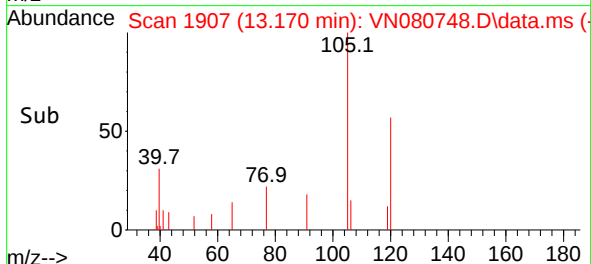
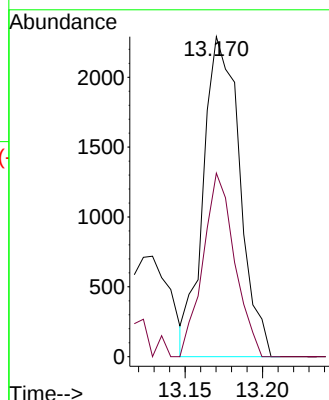
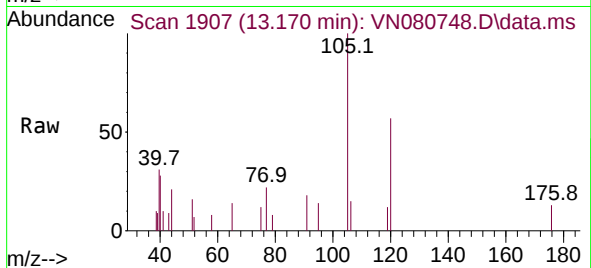
ClientSampleId :

Tgt Ion:105 Resp: 3738

Ion Ratio Lower Upper

105 100

120 49.8 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 46.900 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080748.D

Acq: 22 Jan 2024 20:08

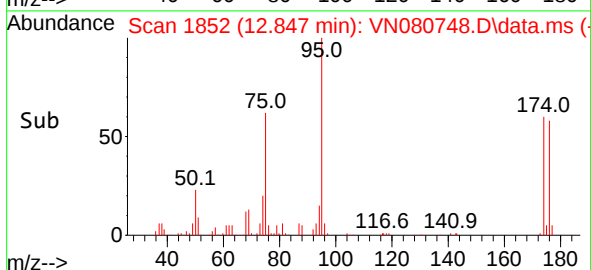
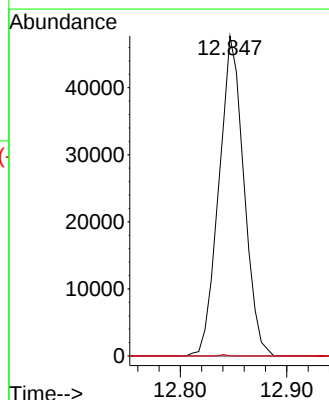
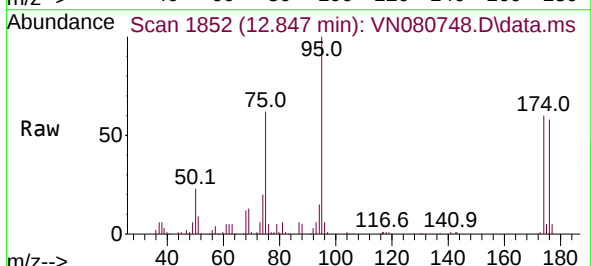
Tgt Ion: 75 Resp: 77307

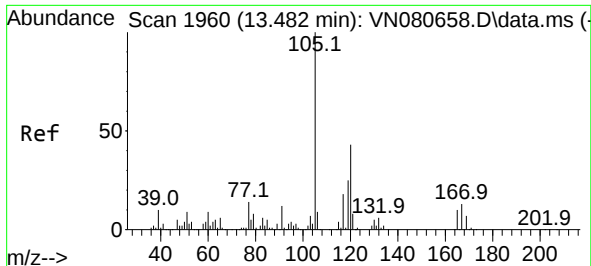
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.1 38.8 58.2#

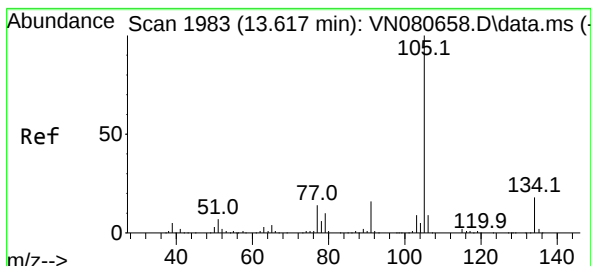
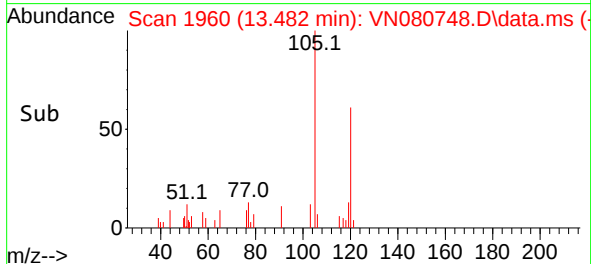
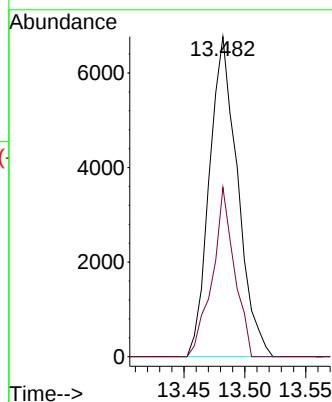
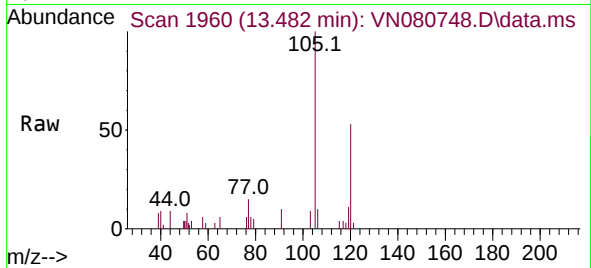




#84
1,2,4-Trimethylbenzene
Concen: 1.110 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

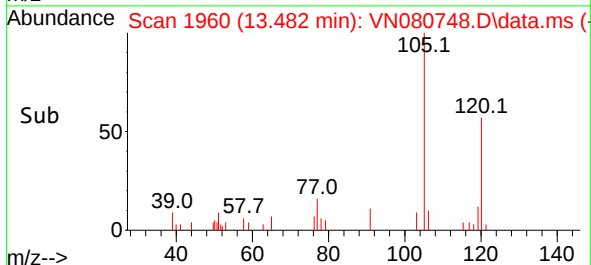
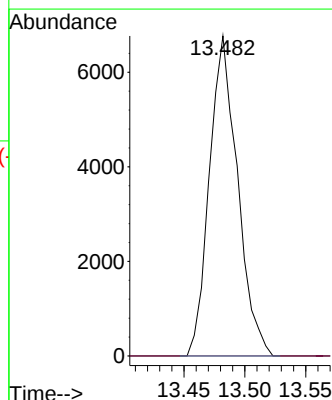
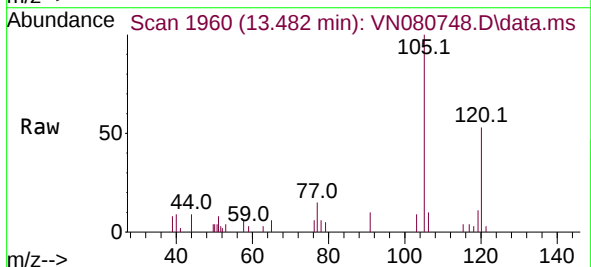
Instrument :
MSVOA_N
ClientSampleId :

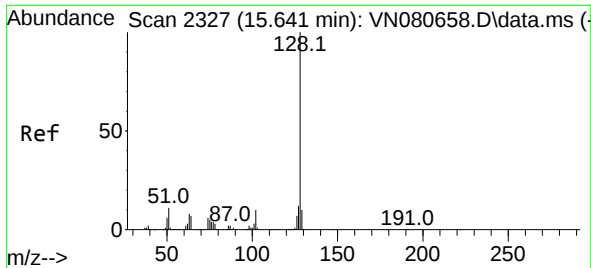
Tgt Ion:105 Resp: 10901
Ion Ratio Lower Upper
105 100
120 41.4 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.961 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.135 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

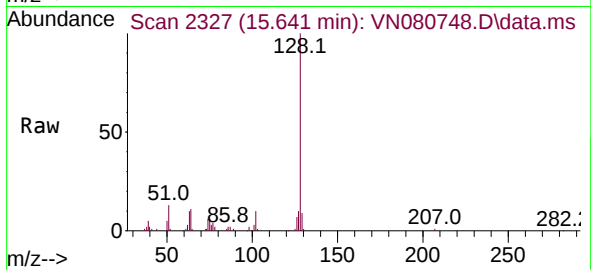
Tgt Ion:105 Resp: 10901
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#95
Naphthalene
Concen: 8.819 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080748.D
Acq: 22 Jan 2024 20:08

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	77430
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.0	15.0
129	10.5	8.7	13.1

