

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080746.D
 Acq On : 22 Jan 2024 19:21
 Operator : JC\MD
 Sample : P1179-13 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 23 03:58:48 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)

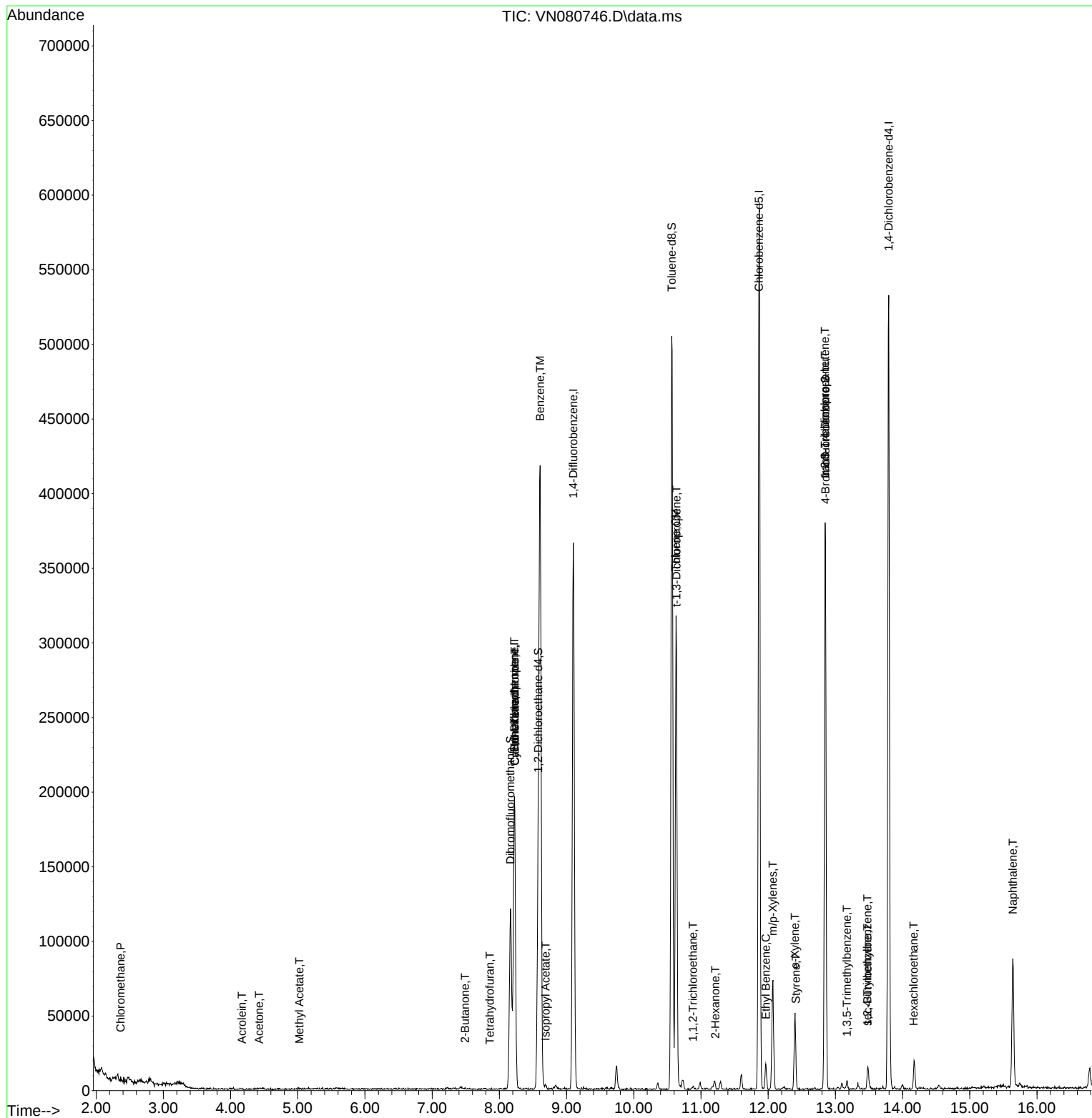
Internal Standards						
1) Pentafluorobenzene	8.224	168	124509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	302150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100788	46.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.200%		
35) Dibromofluoromethane	8.165	113	84045	49.867	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	10.565	98	338822	52.723	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.440%		
62) 4-Bromofluorobenzene	12.853	95	133909	54.338	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.680%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	2116	0.271	ug/l #	77
6) Chloroethane	3.095	64	128	Below Cal	#	43
13) Acrolein	4.171	56	218	0.706	ug/l #	16
16) Acetone	4.424	43	1628	2.268	ug/l #	40
18) Methyl Acetate	5.024	43	502	0.235	ug/l #	42
25) 2-Butanone	7.488	43	957	0.738	ug/l #	65
29) Tetrahydrofuran	7.859	42	178	0.204	ug/l #	20
31) Cyclohexane	8.230	56	5727	1.695	ug/l #	61
36) 1,1-Dichloropropene	8.224	75	14419	4.177	ug/l #	45
38) Carbon Tetrachloride	8.230	117	14726	4.751	ug/l #	14
40) Benzene	8.606	78	395273	40.728	ug/l	100
43) Isopropyl Acetate	8.688	43	2686	0.436	ug/l #	70
52) Toluene	10.629	92	131437	23.637	ug/l	100
53) t-1,3-Dichloropropene	10.635	75	1762	0.439	ug/l #	1
55) 1,1,2-Trichloroethane	10.882	97	1530	0.715	ug/l #	16
59) 2-Hexanone	11.212	43	741	0.302	ug/l #	29
67) Ethyl Benzene	11.965	91	11156	0.885	ug/l	100
68) m/p-Xylenes	12.071	106	20453	4.615	ug/l	85
69) o-Xylene	12.400	106	12831	2.961	ug/l	93
70) Styrene	12.412	104	1917	0.261	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77846	20.681	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	2933	0.303	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.847	75	77846	48.754	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.476	105	8429	0.886	ug/l	93
85) sec-Butylbenzene	13.476	105	8429	0.767	ug/l #	57
90) Hexachloroethane	14.165	117	1153	0.716	ug/l #	21
95) Naphthalene	15.641	128	70673	8.309	ug/l	98

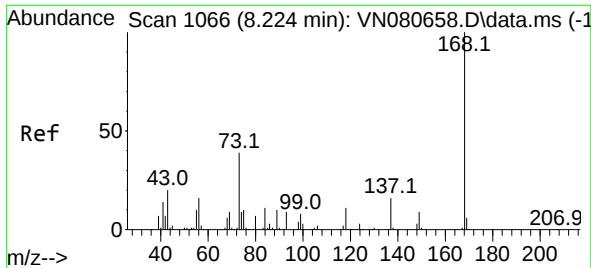
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
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Instrument :
MSVOA_N
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Quant Time: Jan 23 03:58:48 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

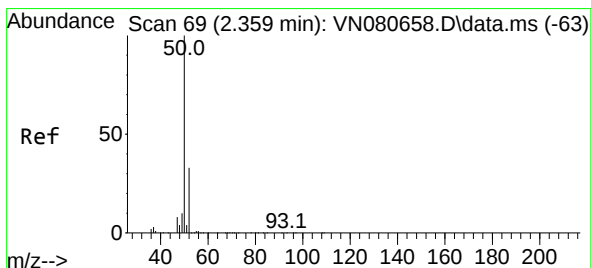
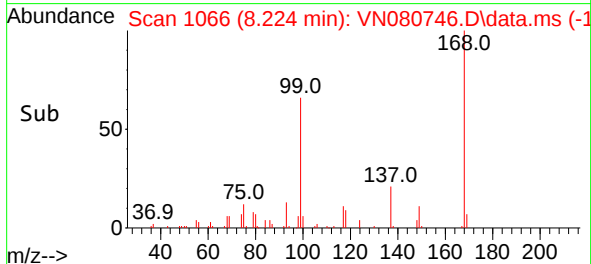
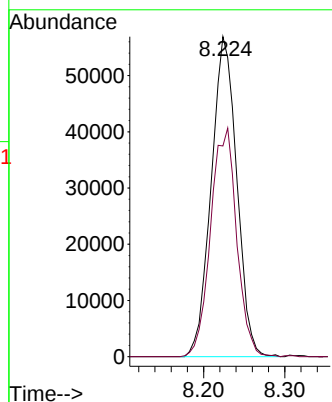
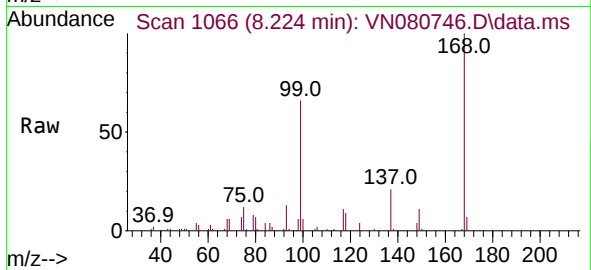




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

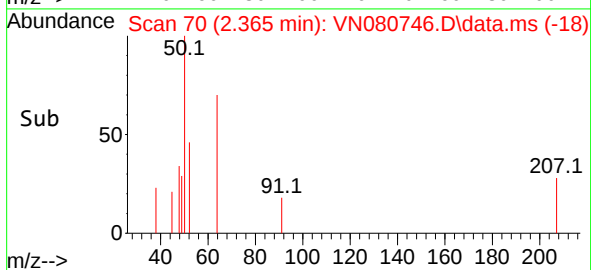
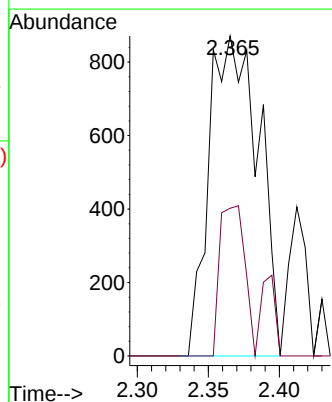
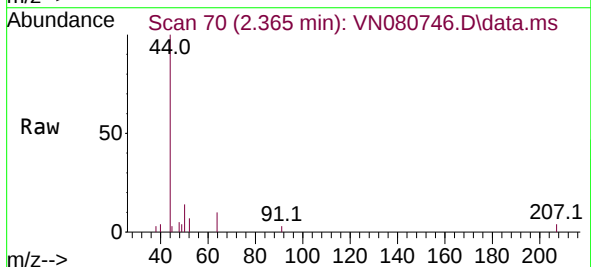
Instrument :
MSVOA_N
ClientSampleId :

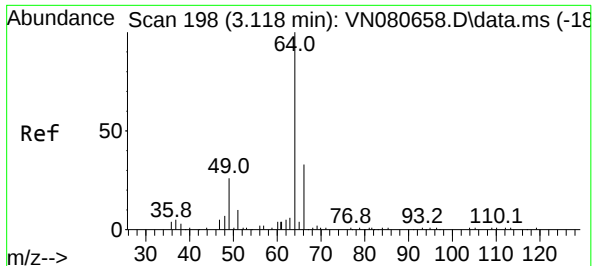
Tgt Ion:168 Resp: 124509
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 50 Resp: 2116
Ion Ratio Lower Upper
50 100
52 46.2 26.5 39.7#

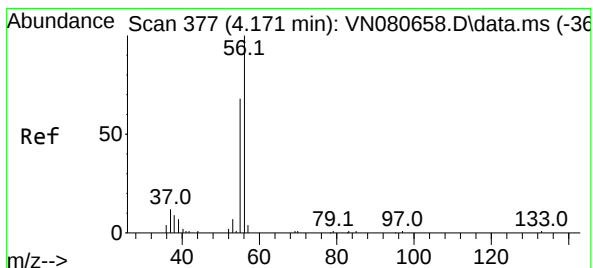
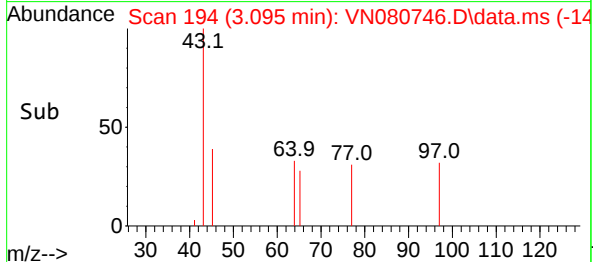
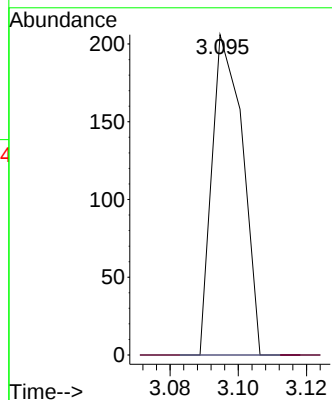
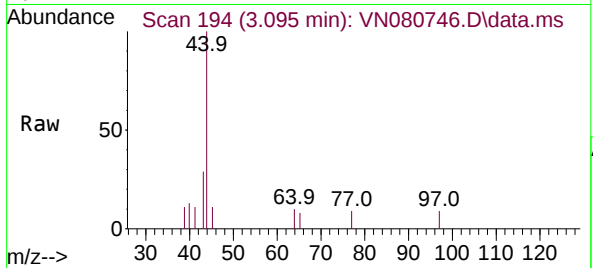




#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 19
Delta R.T. -0.023 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

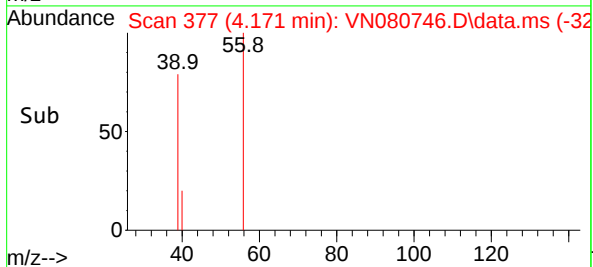
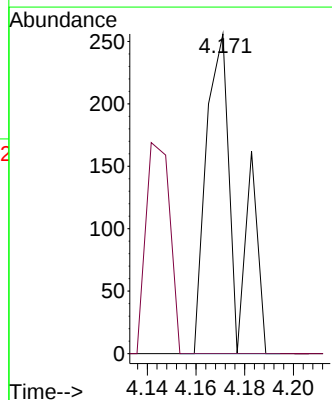
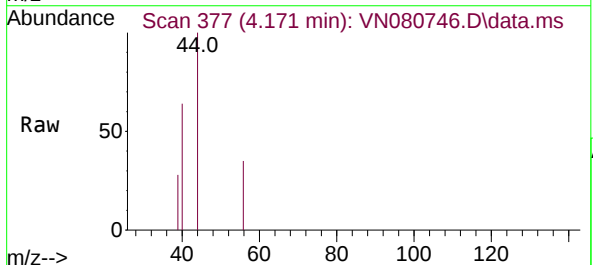
Instrument :
MSVOA_N
ClientSampleId :

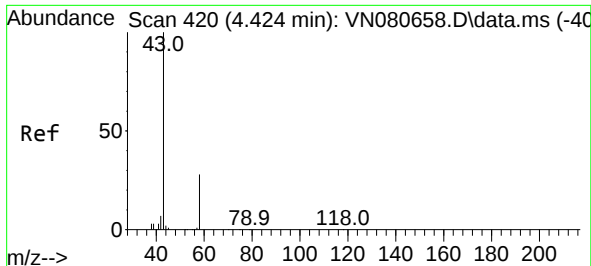
Tgt Ion: 64 Resp: 128
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.706 ug/l
RT: 4.171 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

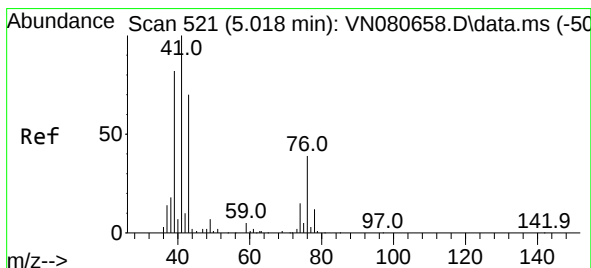
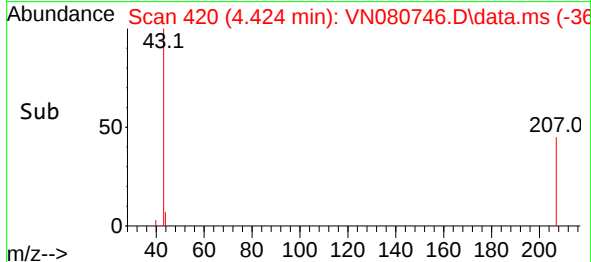
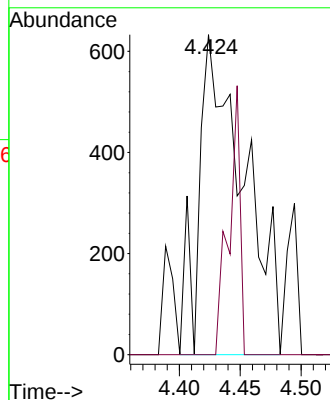
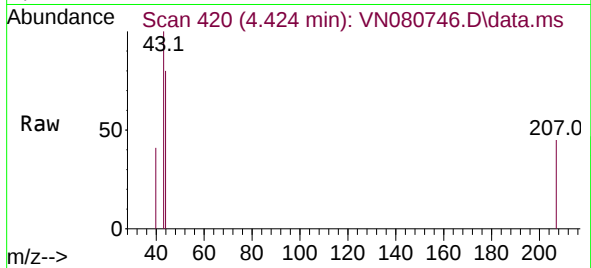




#16
Acetone
Concen: 2.268 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

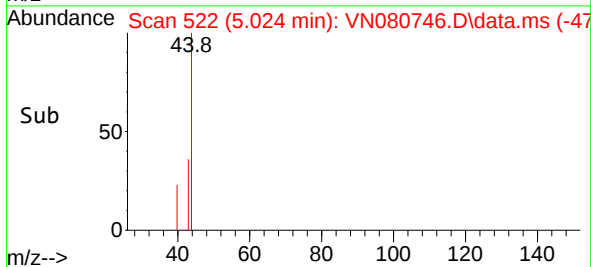
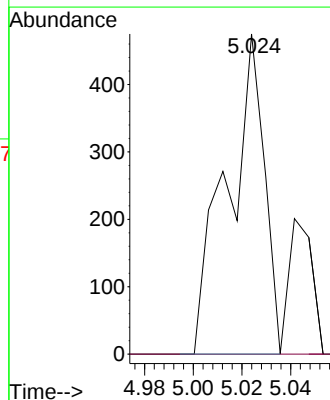
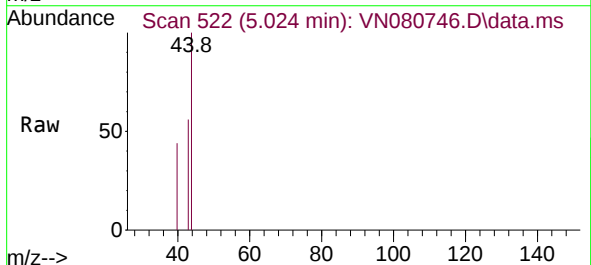
Instrument :
MSVOA_N
ClientSampleId :

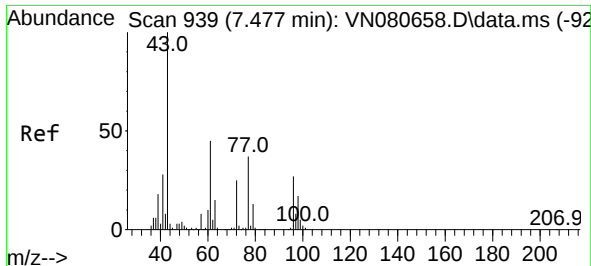
Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

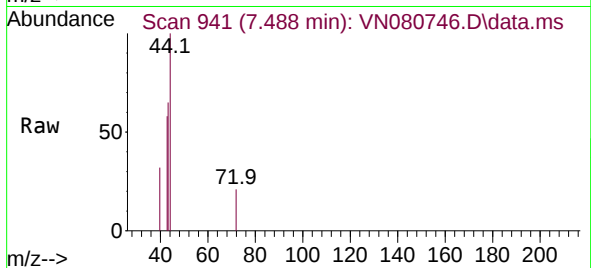
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



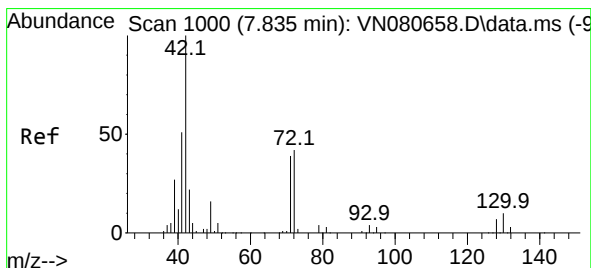
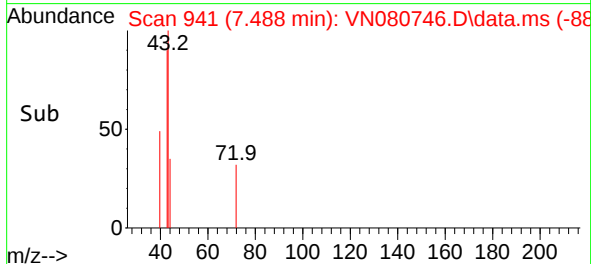
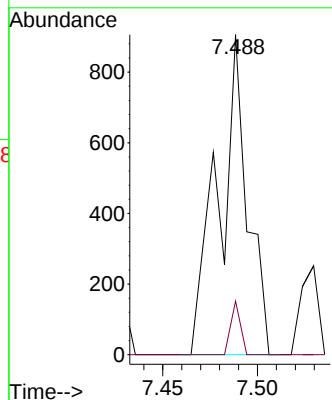


#25
2-Butanone
Concen: 0.738 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Instrument :
MSVOA_N
ClientSampleId :

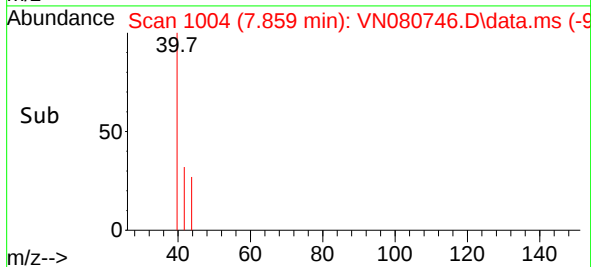
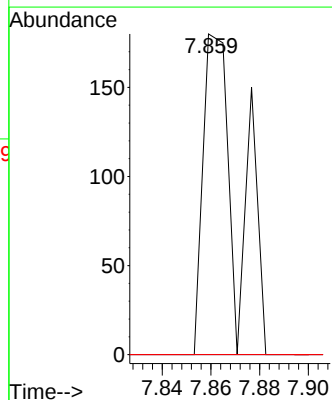
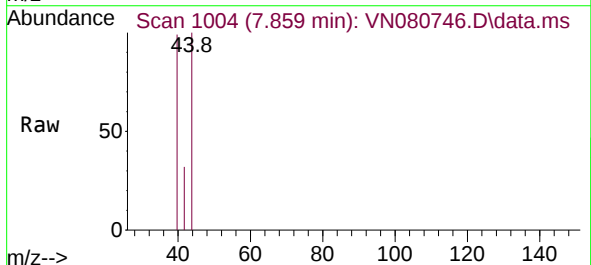


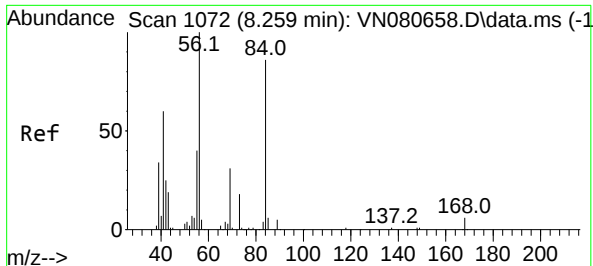
Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
72 16.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.024 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

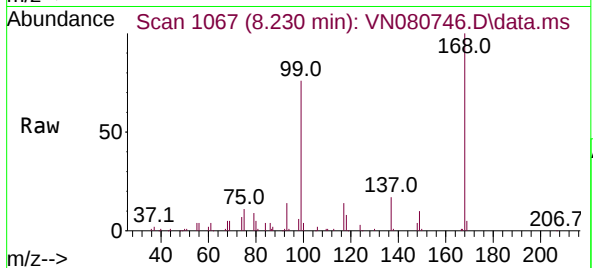
Tgt Ion: 42 Resp: 178
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



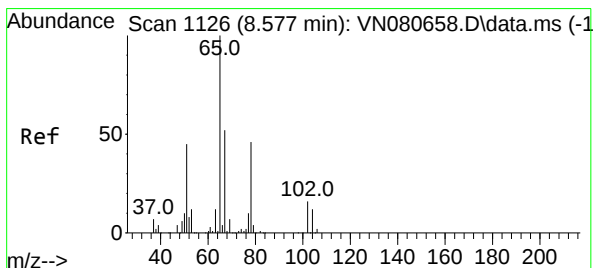
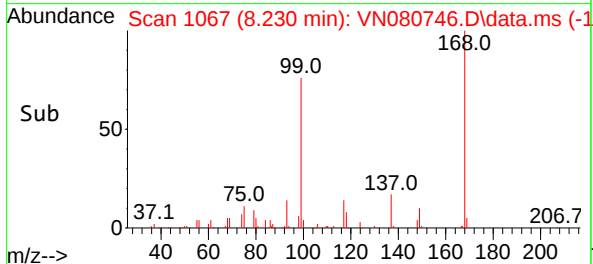
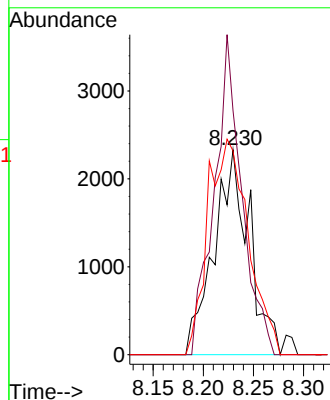


#31
Cyclohexane
Concen: 1.695 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Instrument :
MSVOA_N
ClientSampleId :

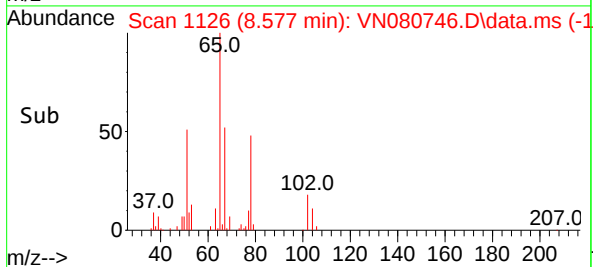
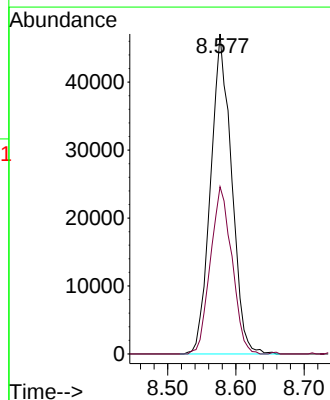
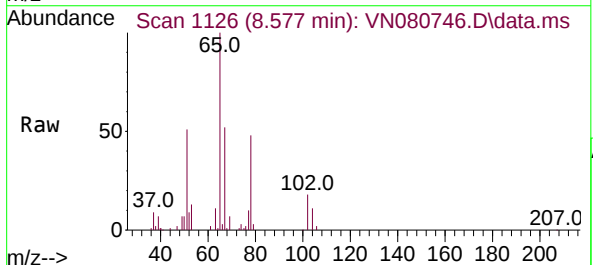


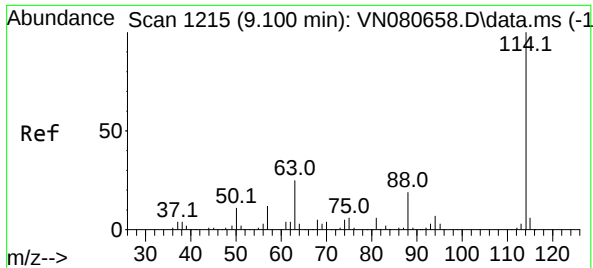
Tgt Ion: 56 Resp: 5727
Ion Ratio Lower Upper
56 100
69 119.2 26.8 40.2#
84 99.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 46.095 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 65 Resp: 100788
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.6

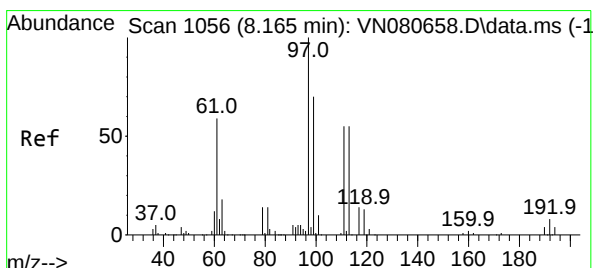
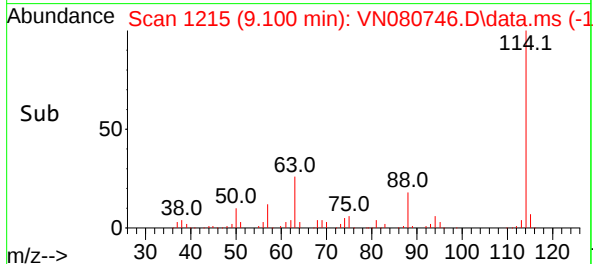
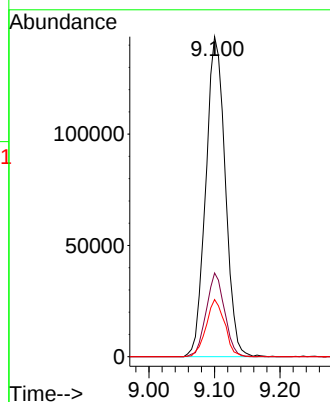
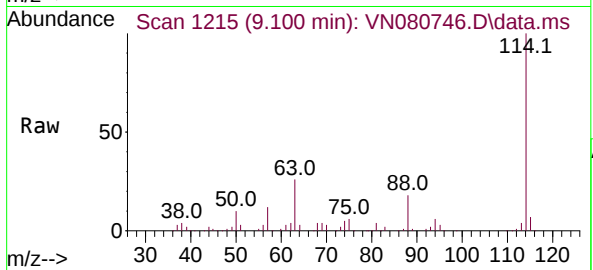




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

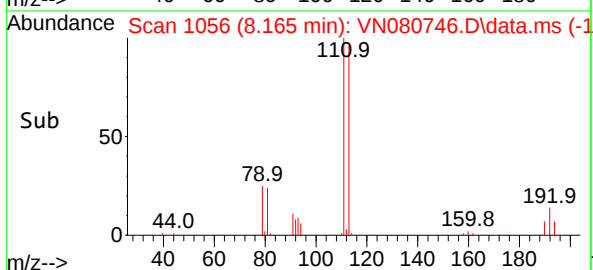
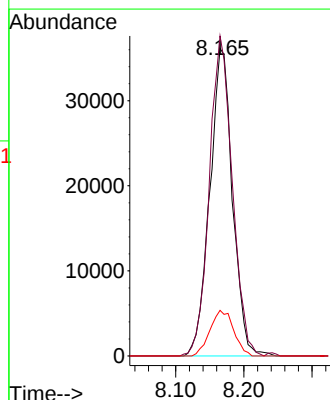
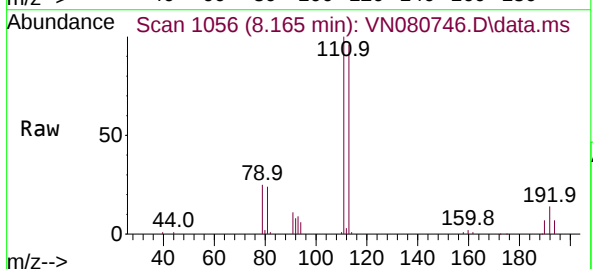
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MSVOA_N
ClientSampleId :

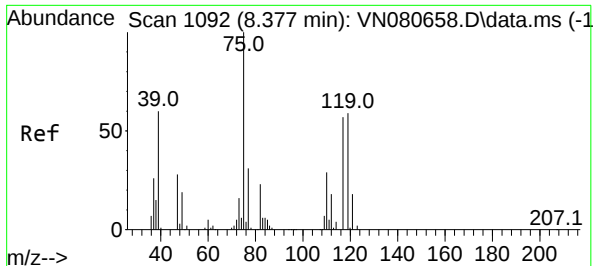
Tgt Ion:114 Resp: 296628
Ion Ratio Lower Upper
114 100
63 26.1 0.0 36.4
88 17.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.867 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

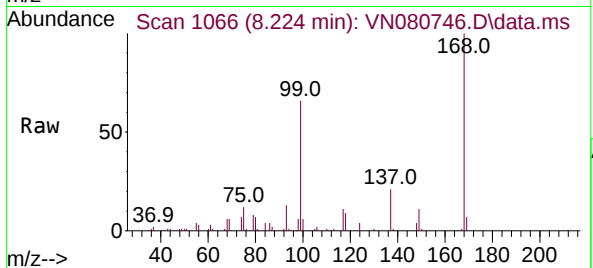
Tgt Ion:113 Resp: 84045
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 15.5 12.7 19.1



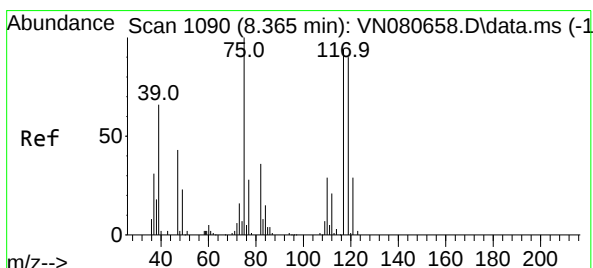
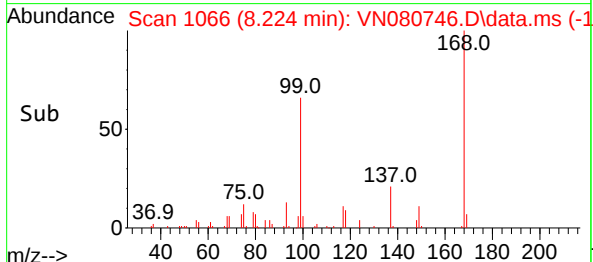
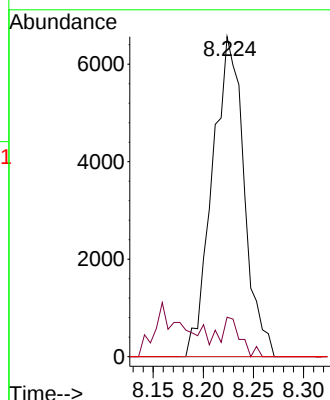


#36
1,1-Dichloropropene
Concen: 4.177 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Instrument :
MSVOA_N
ClientSampleId :

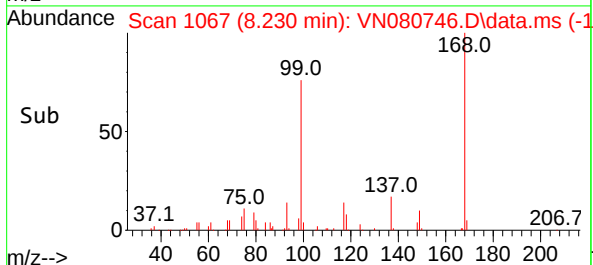
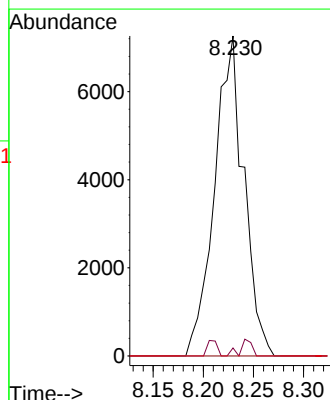
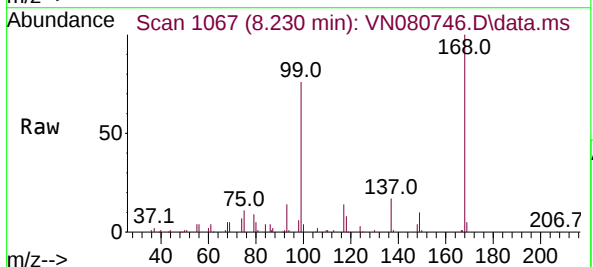


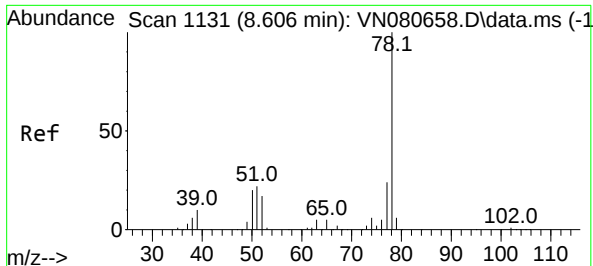
Tgt Ion: 75 Resp: 14419
Ion Ratio Lower Upper
75 100
110 6.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.751 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 117 Resp: 14726
Ion Ratio Lower Upper
117 100
119 2.5 77.3 115.9#
121 0.0 23.3 34.9#

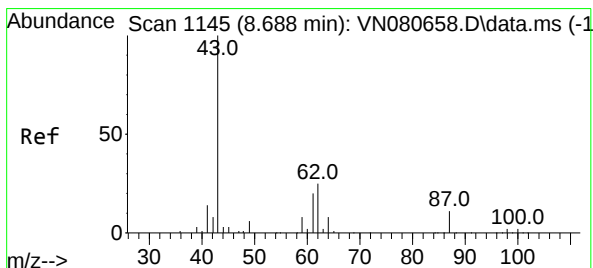
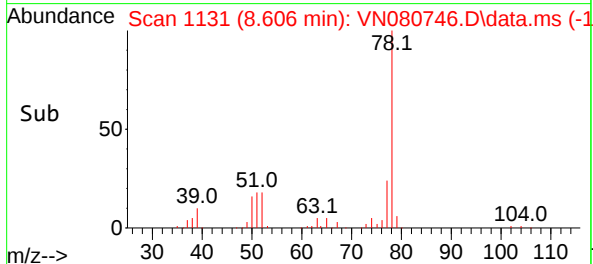
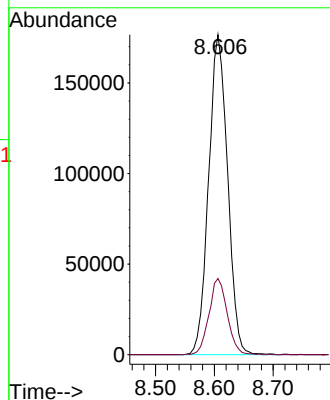
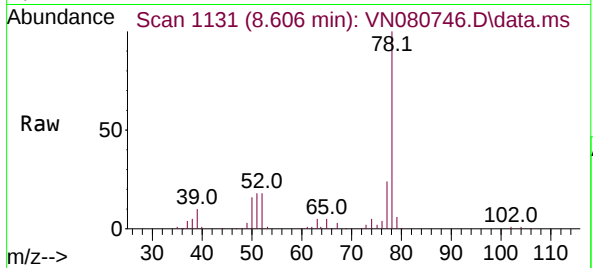




#40
Benzene
Concen: 40.728 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

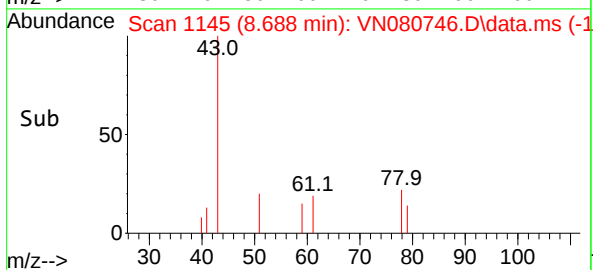
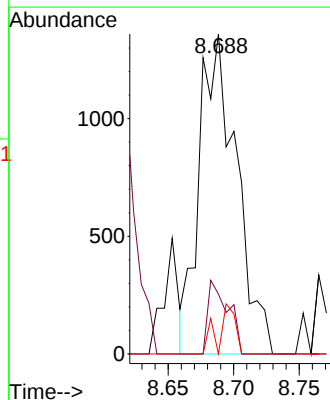
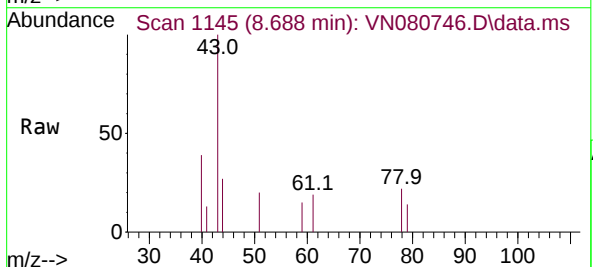
Instrument :
MSVOA_N
ClientSampleId :

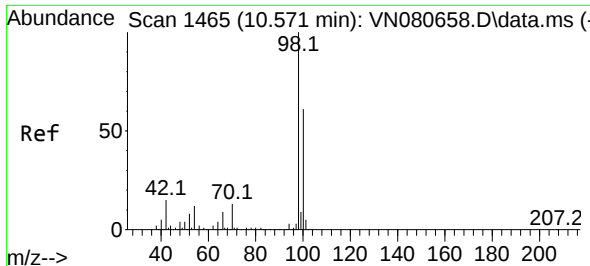
Tgt Ion: 78 Resp: 395273
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



#43
Isopropyl Acetate
Concen: 0.436 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
61 12.5 24.7 37.1#
87 7.0 14.6 21.8#

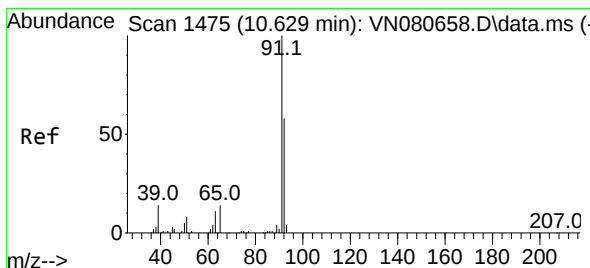
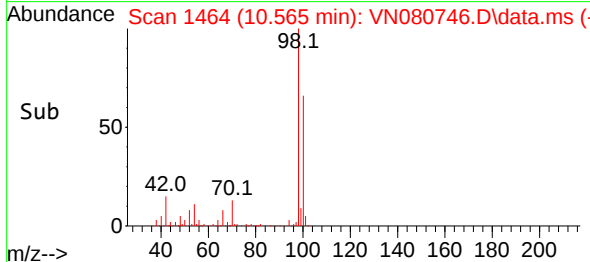
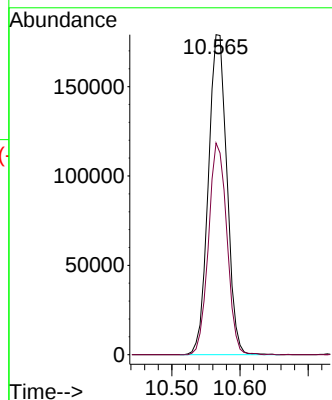
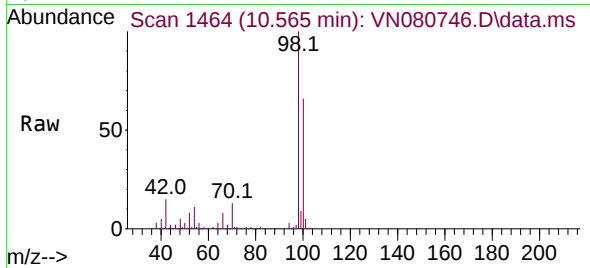




#50
Toluene-d8
Concen: 52.723 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

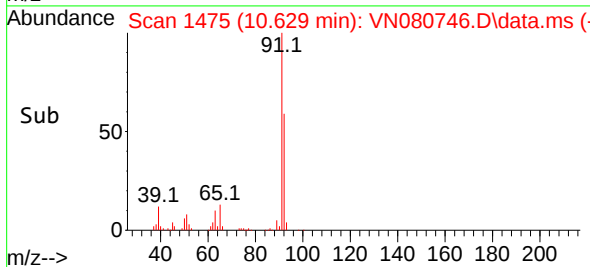
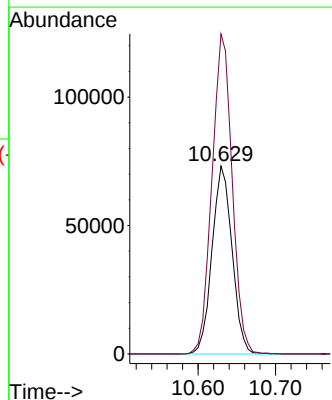
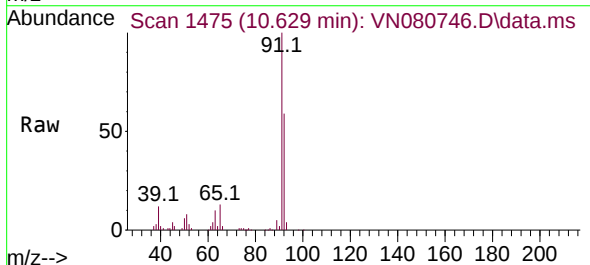
Instrument :
MSVOA_N
ClientSampleId :

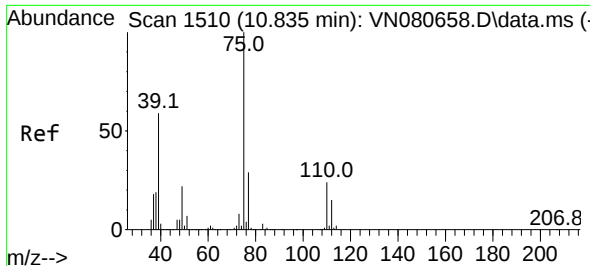
Tgt Ion: 98 Resp: 338822
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#52
Toluene
Concen: 23.637 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 92 Resp: 131437
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.0

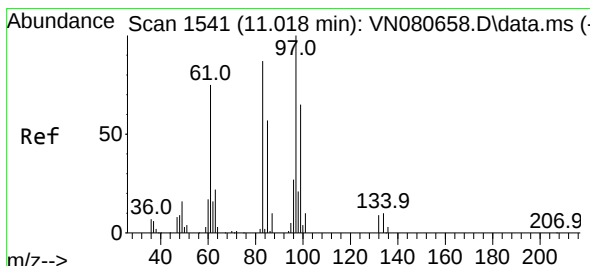
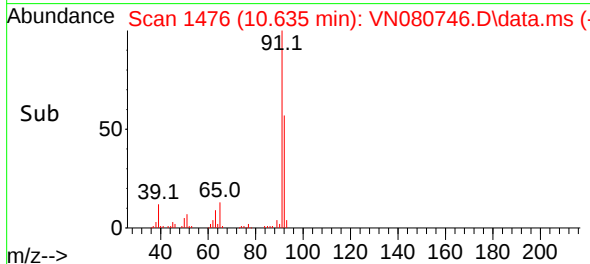
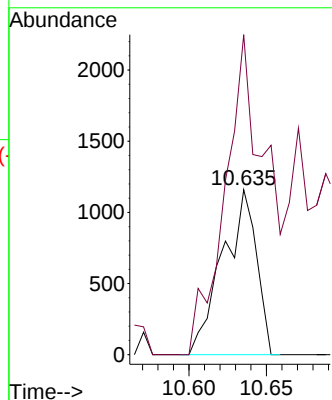
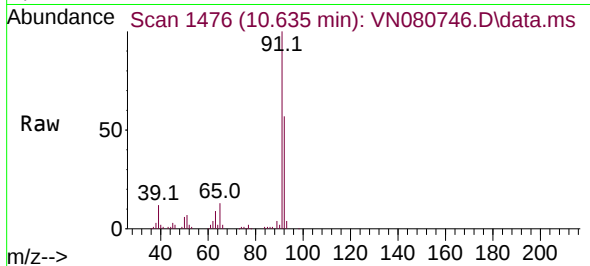




#53
t-1,3-Dichloropropene
Concen: 0.439 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.200 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

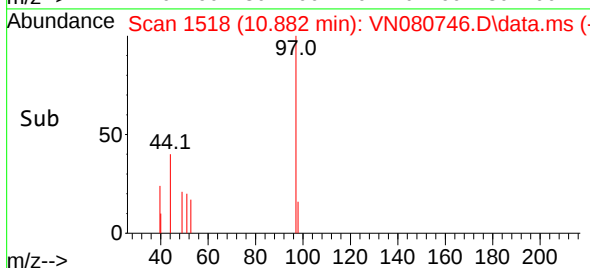
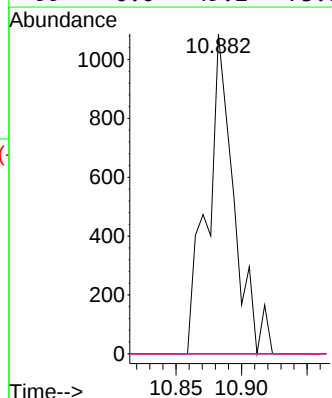
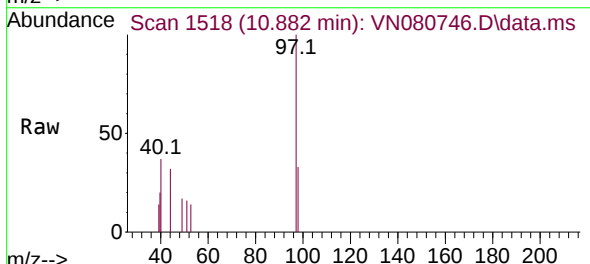
Instrument :
MSVOA_N
ClientSampleId :

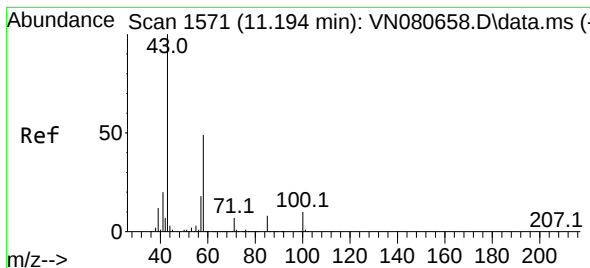
Tgt Ion: 75 Resp: 1762
Ion Ratio Lower Upper
75 100
77 194.0 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.715 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.135 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 97 Resp: 1530
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#

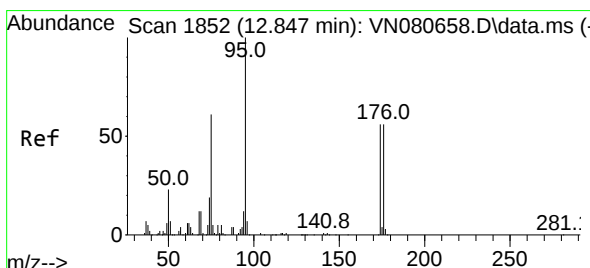
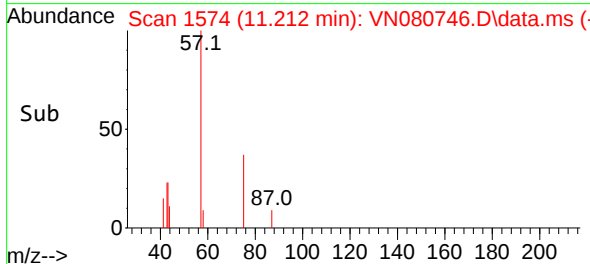
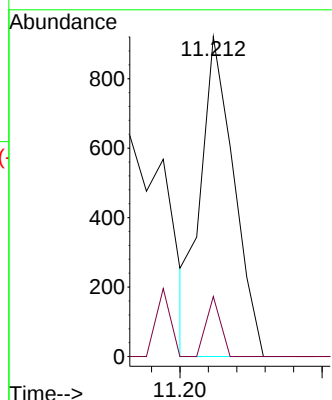
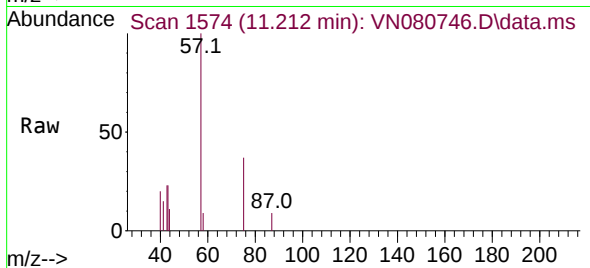




#59
2-Hexanone
Concen: 0.302 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

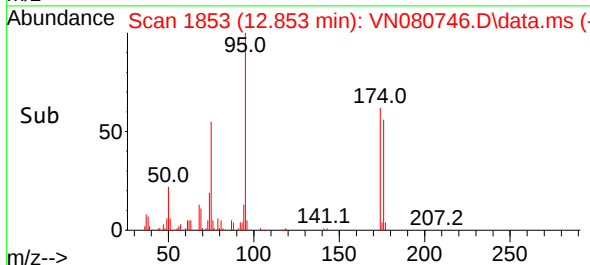
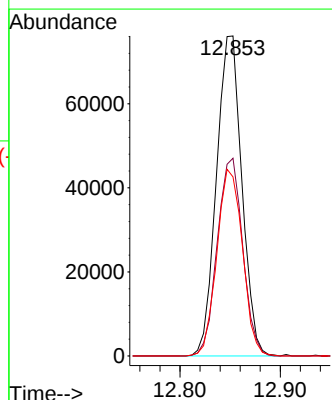
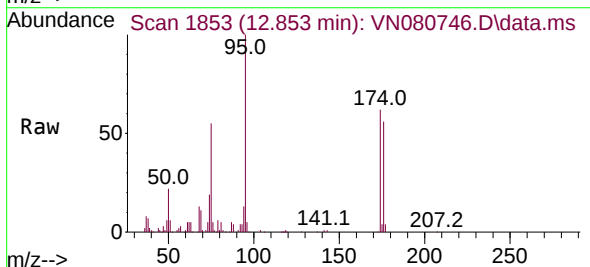
Instrument :
MSVOA_N
ClientSampleId :

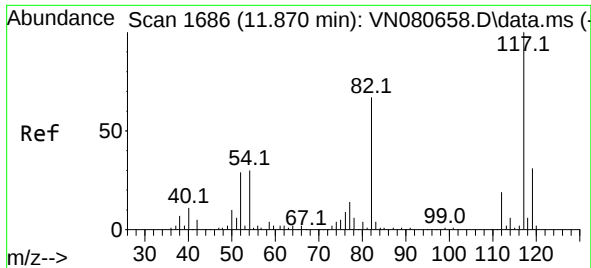
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 8.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.338 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 95 Resp: 133909
Ion Ratio Lower Upper
95 100
174 61.8 0.0 143.8
176 58.6 0.0 135.8

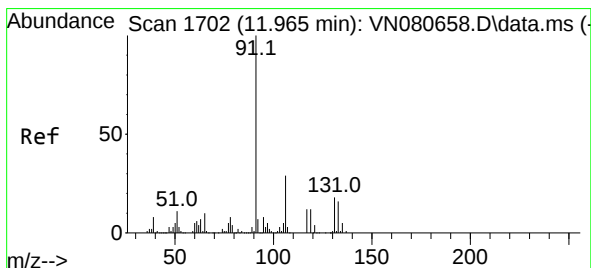
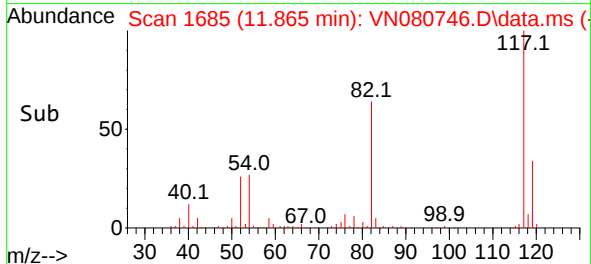
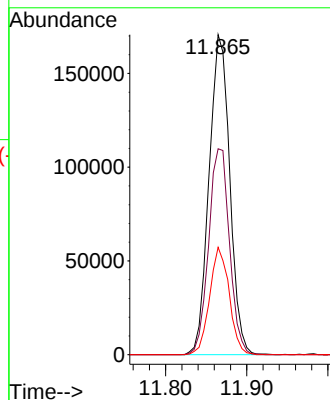
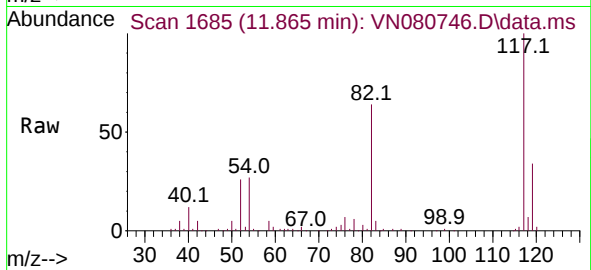




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

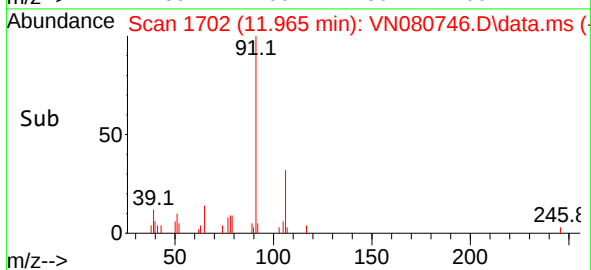
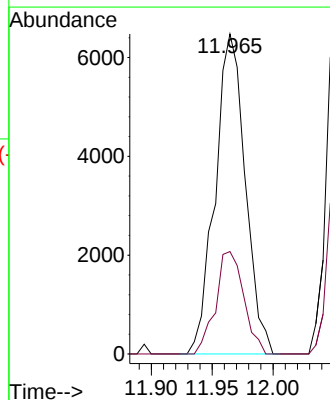
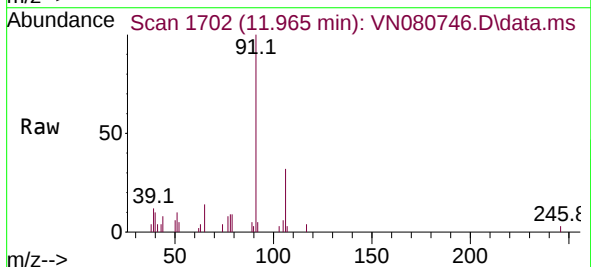
Instrument :
MSVOA_N
ClientSampleId :

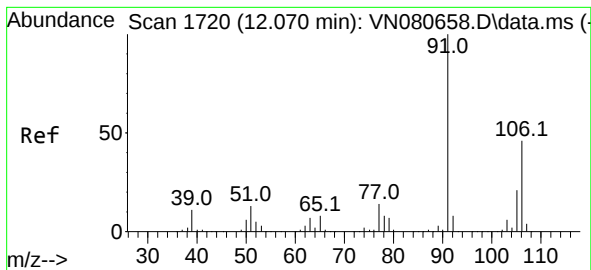
Tgt Ion:117 Resp: 302150
Ion Ratio Lower Upper
117 100
82 64.4 44.0 66.0
119 33.6 25.6 38.4



#67
Ethyl Benzene
Concen: 0.885 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 91 Resp: 11156
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4

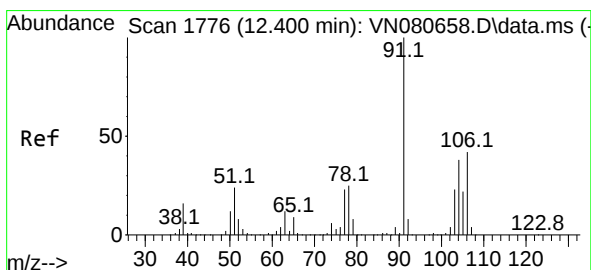
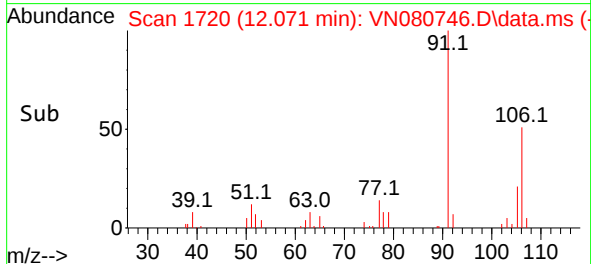
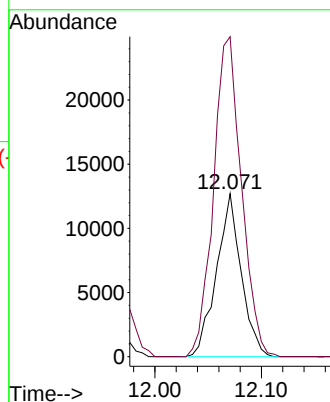
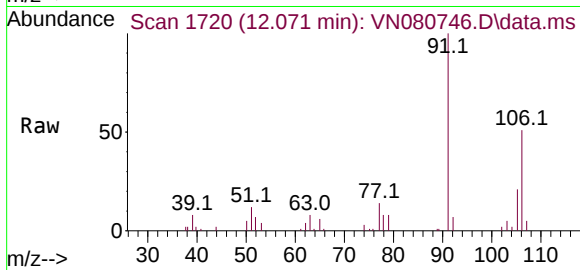




#68
m/p-Xylenes
Concen: 4.615 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

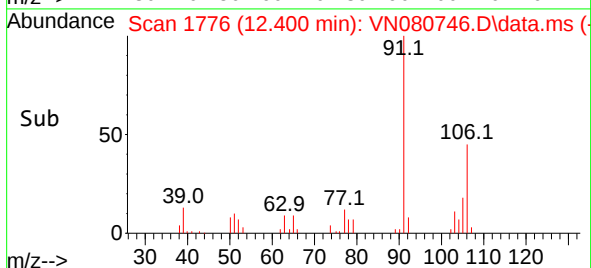
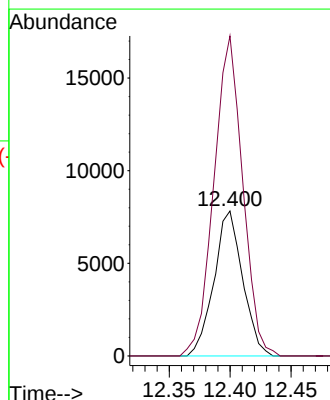
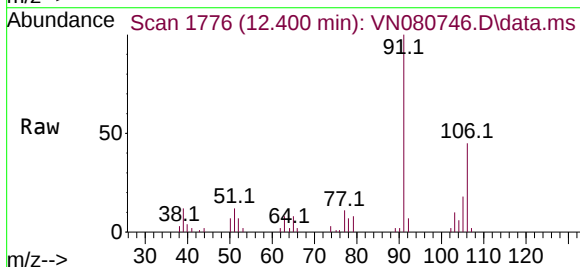
Instrument :
MSVOA_N
ClientSampleId :

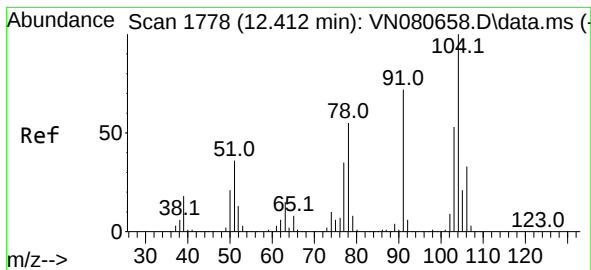
Tgt Ion:106 Resp: 20453
Ion Ratio Lower Upper
106 100
91 222.0 159.6 239.4



#69
o-Xylene
Concen: 2.961 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion:106 Resp: 12831
Ion Ratio Lower Upper
106 100
91 221.6 105.2 315.5





#70

Styrene

Concen: 0.261 ug/l

RT: 12.412 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080746.D

Acq: 22 Jan 2024 19:21

Instrument :

MSVOA_N

ClientSampleId :

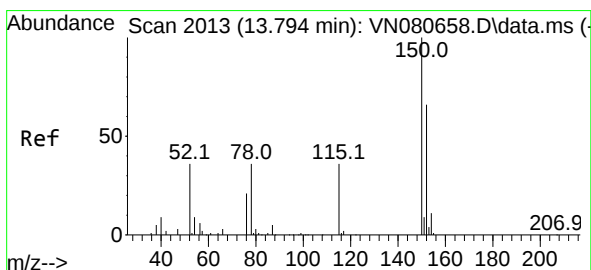
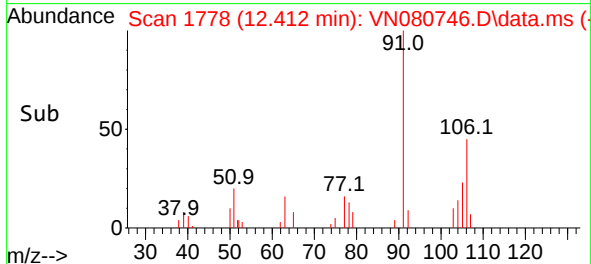
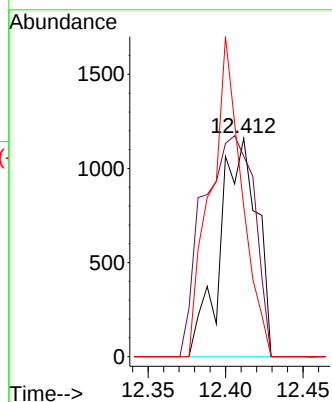
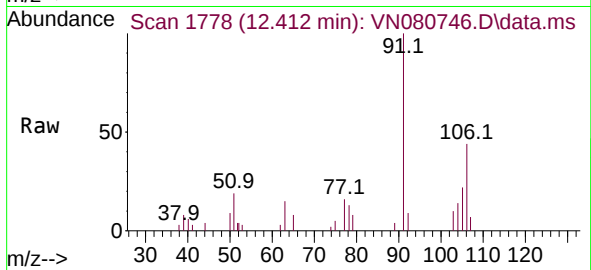
Tgt Ion:104 Resp: 1917

Ion Ratio Lower Upper

104 100

78 140.7 39.5 59.3#

103 123.8 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: VN080746.D

Acq: 22 Jan 2024 19:21

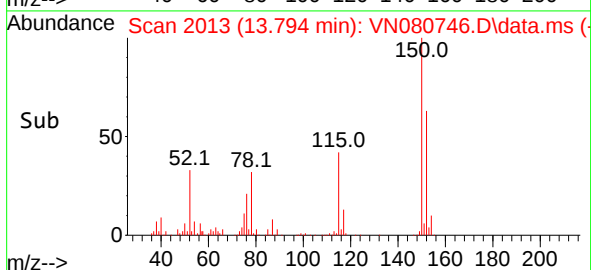
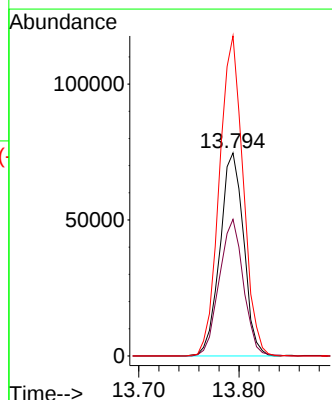
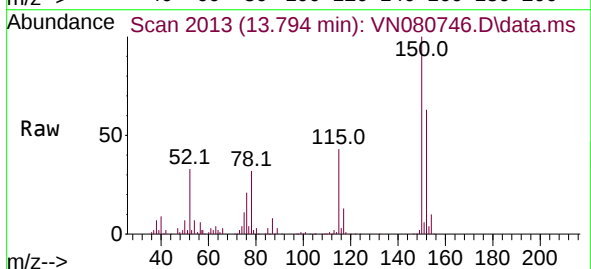
Tgt Ion:152 Resp: 122070

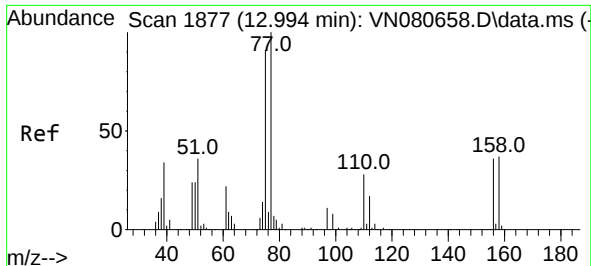
Ion Ratio Lower Upper

152 100

115 68.5 32.3 96.8

150 158.5 0.0 355.8

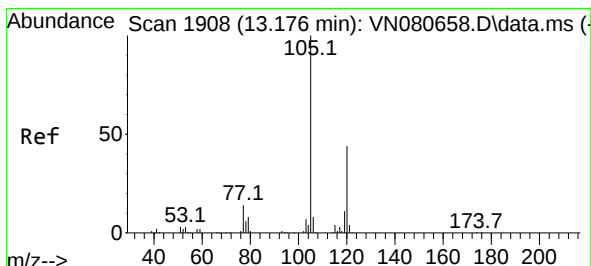
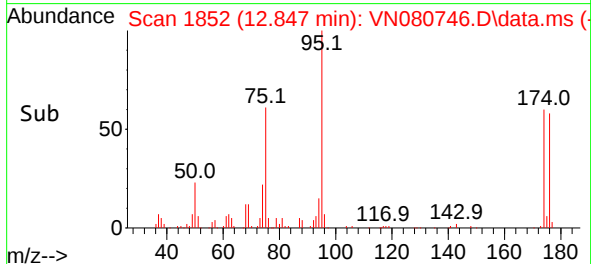
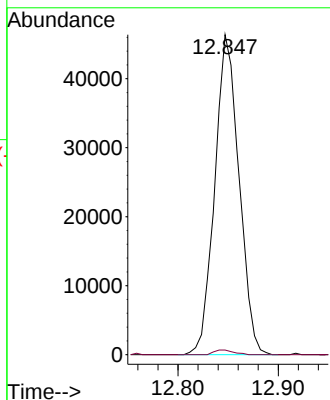
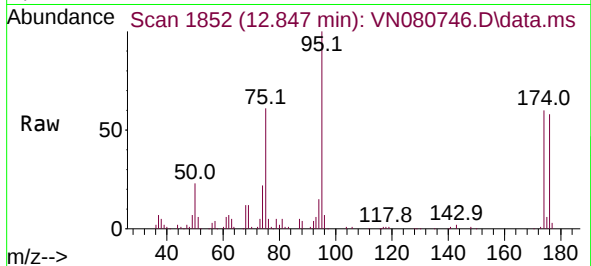




#76
1,2,3-Trichloropropane
Concen: 20.681 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

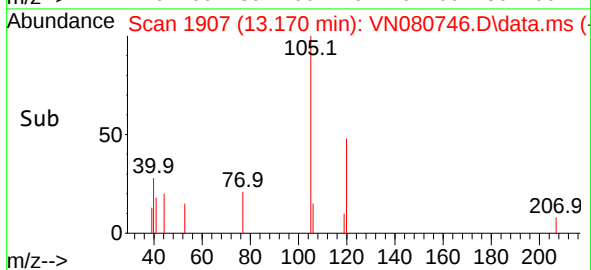
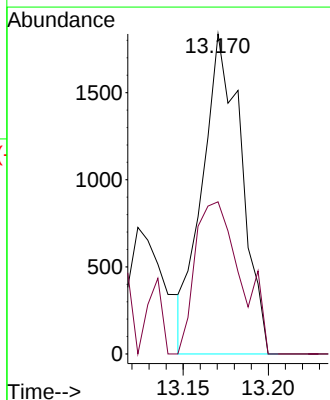
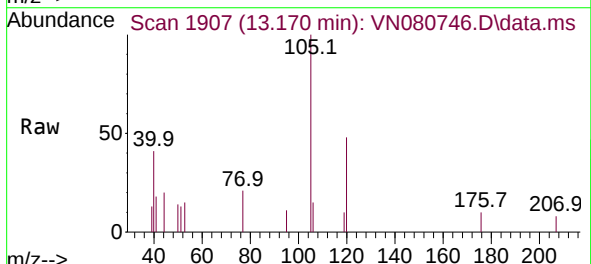
Instrument :
MSVOA_N
ClientSampleId :

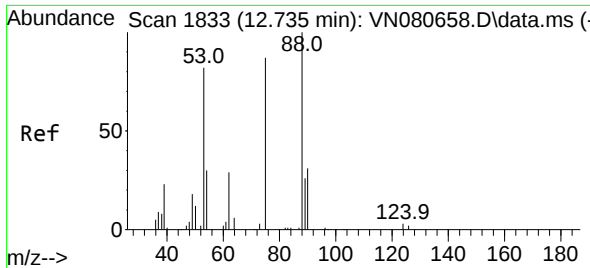
Tgt Ion: 75 Resp: 77846
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.303 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion: 105 Resp: 2933
Ion Ratio Lower Upper
105 100
120 55.2 24.1 72.3

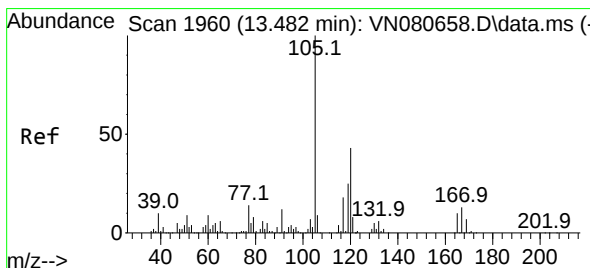
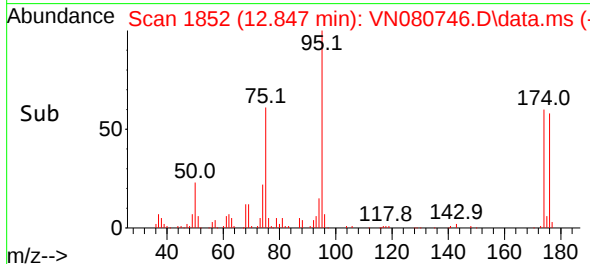
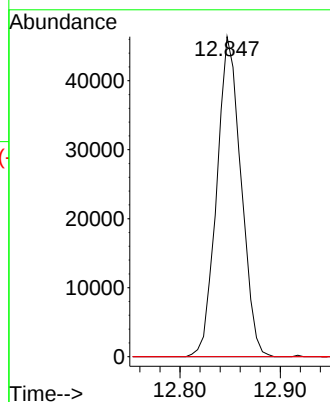
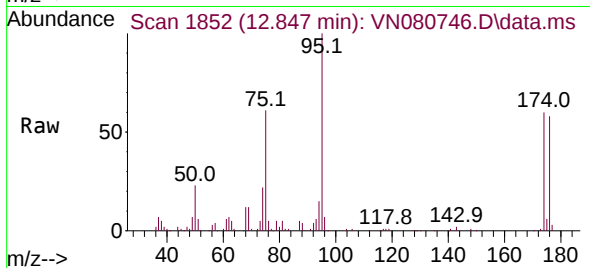




#81
trans-1,4-Dichloro-2-butene
Concen: 48.754 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

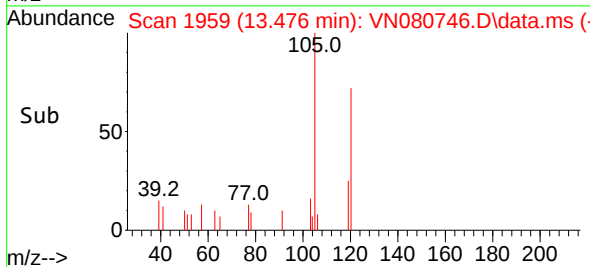
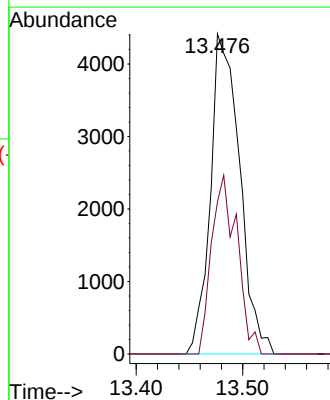
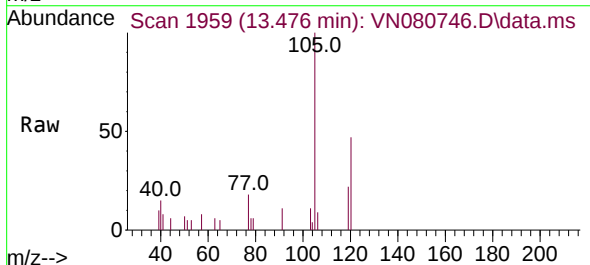
Instrument :
MSVOA_N
ClientSampleId :

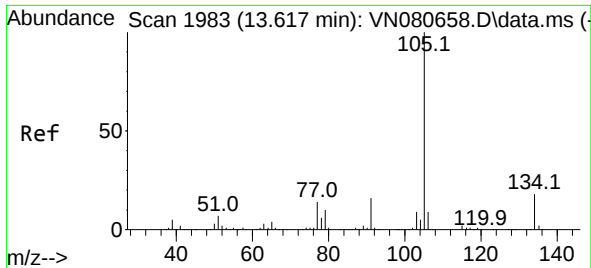
Tgt Ion: 75 Resp: 77846
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.886 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Tgt Ion:105 Resp: 8429
Ion Ratio Lower Upper
105 100
120 48.7 22.0 66.0

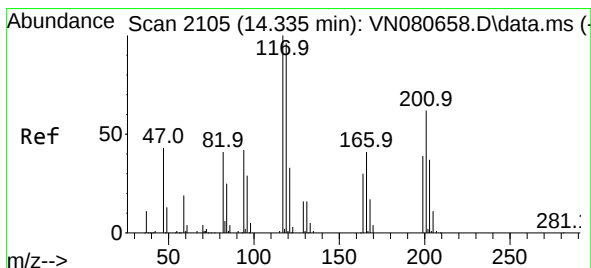
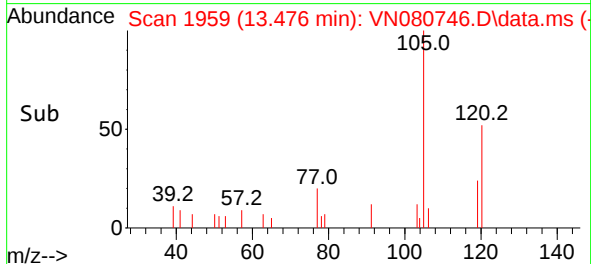
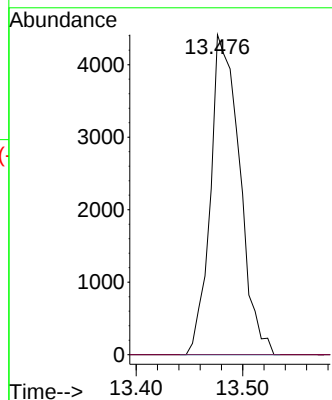
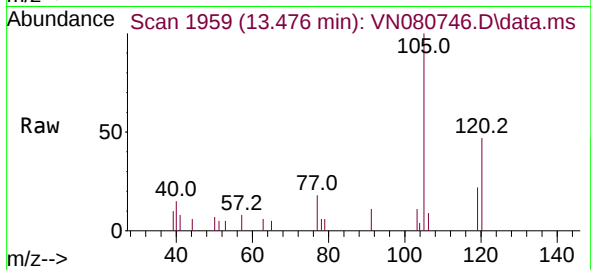




#85
 sec-Butylbenzene
 Concen: 0.767 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.141 min
 Lab File: VN080746.D
 Acq: 22 Jan 2024 19:21

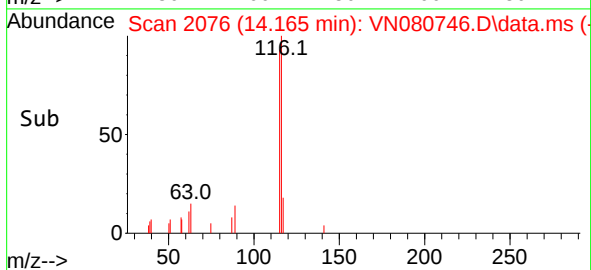
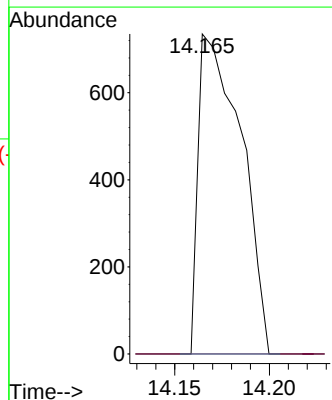
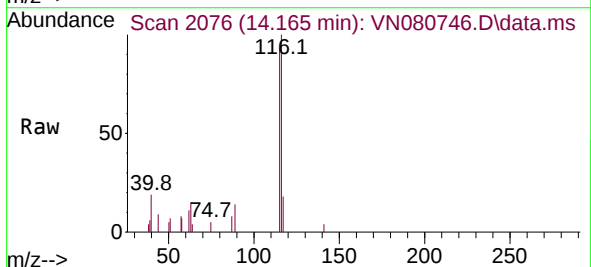
Instrument :
 MSVOA_N
 ClientSampleId :

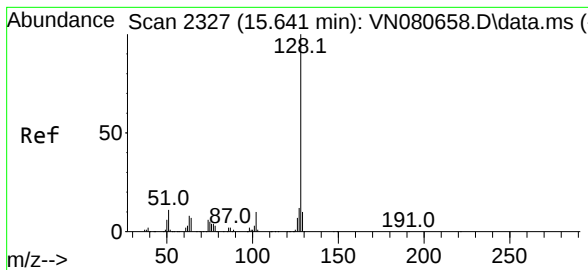
Tgt Ion:105 Resp: 8429
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#90
 Hexachloroethane
 Concen: 0.716 ug/l
 RT: 14.165 min Scan# 2076
 Delta R.T. -0.170 min
 Lab File: VN080746.D
 Acq: 22 Jan 2024 19:21

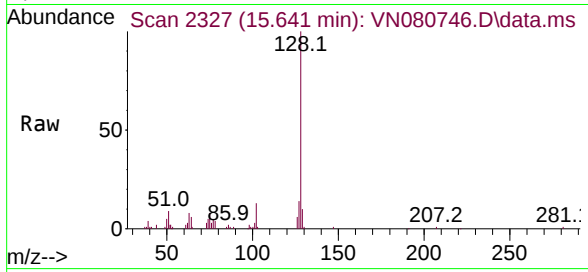
Tgt Ion:117 Resp: 1153
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.3 88.0#





#95
Naphthalene
Concen: 8.309 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080746.D
Acq: 22 Jan 2024 19:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	70673
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.0	15.0
129	11.4	8.7	13.1

