

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074965.D
 Acq On : 21 Oct 2022 16:36
 Operator : JC\MD
 Sample : N5222-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Oct 22 02:54:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

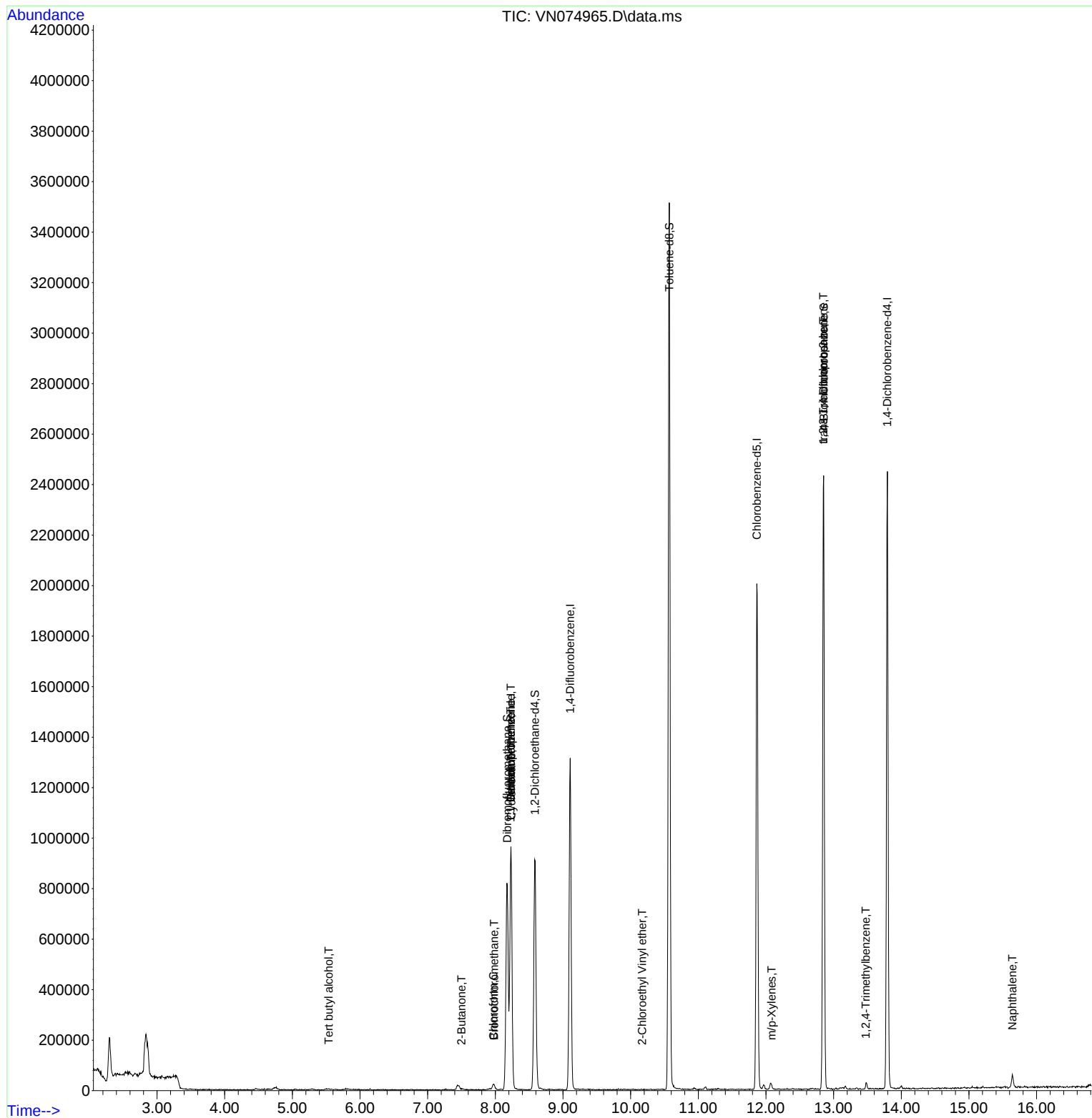
Internal Standards						
1) Pentafluorobenzene	8.230	168	670905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1142692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1175432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	623718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	760500	42.664	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.320%
35) Dibromofluoromethane	8.177	113	580623	42.690	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.380%
50) Toluene-d8	10.571	98	2454183	47.030	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.060%
62) 4-Bromofluorobenzene	12.853	95	827870	44.975	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	2715	Below Cal	#	66
4) Vinyl Chloride	2.506	62	190	Below Cal	#	44
5) Bromomethane	2.942	94	699	Below Cal	#	55
6) Chloroethane	3.195	64	3239	Below Cal	#	64
7) Trichlorofluoromethane	3.524	101	124	Below Cal	#	18
11) Tert butyl alcohol	5.536	59	2182	0.579 ug/l	#	87
12) 1,1-Dichloroethene	4.377	96	146	Below Cal	#	1
13) Acrolein	4.189	56	180	Below Cal	#	1
16) Acetone	4.471	43	7073	Below Cal	#	87
17) Carbon Disulfide	4.712	76	911	Below Cal	#	74
20) Methylene Chloride	5.294	84	992	Below Cal	#	78
21) trans-1,2-Dichloroethene	5.806	96	105	Below Cal	#	1
25) 2-Butanone	7.500	43	3784	0.348 ug/l	#	84
28) Bromochloromethane	7.983	49	2386	0.248 ug/l	#	11
30) Chloroform	7.971	83	21464	0.822 ug/l	#	79
31) Cyclohexane	8.235	56	17807	0.978 ug/l	#	57
36) 1,1-Dichloropropene	8.224	75	59448	3.471 ug/l	#	48
38) Carbon Tetrachloride	8.230	117	74244	3.982 ug/l	#	18
58) 2-Chloroethyl Vinyl ether	10.171	63	108	3.620 ug/l	#	45
68) m/p-Xylenes	12.082	106	9068	0.369 ug/l		82
76) 1,2,3-Trichloropropane	12.847	75	456546	26.991 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	456546	86.540 ug/l	#	10
84) 1,2,4-Trimethylbenzene	13.476	105	15291	0.344 ug/l		100
95) Naphthalene	15.641	128	42414	1.119 ug/l	#	94

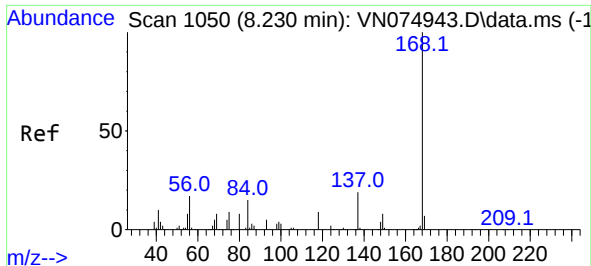
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 21 09:37:47 2022
Response via : Initial Calibration

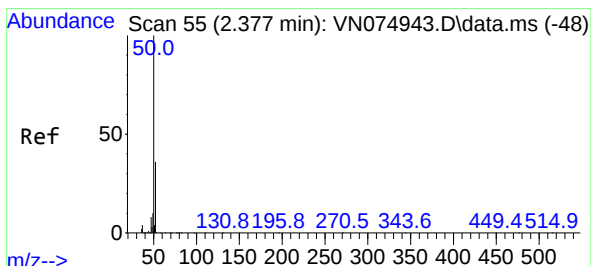
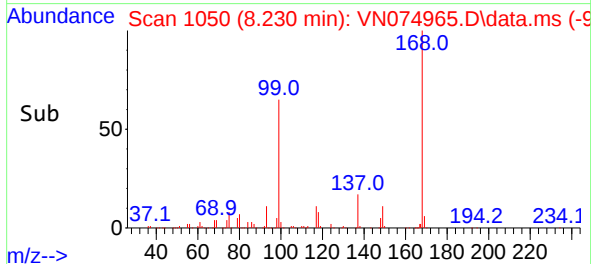
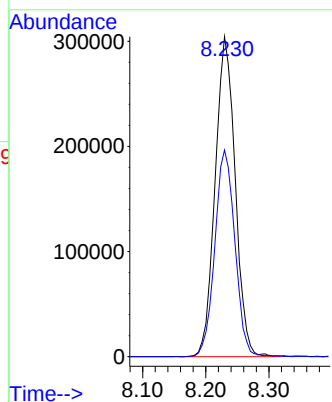
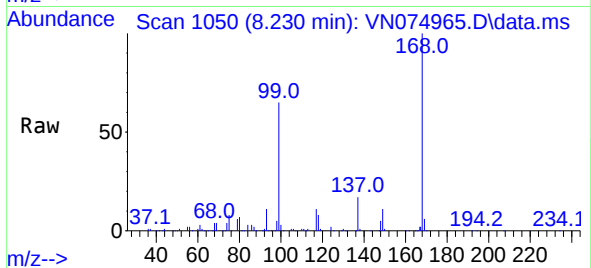




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

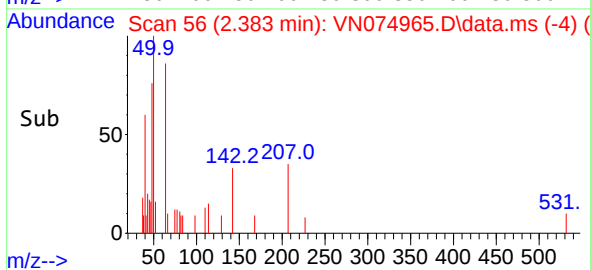
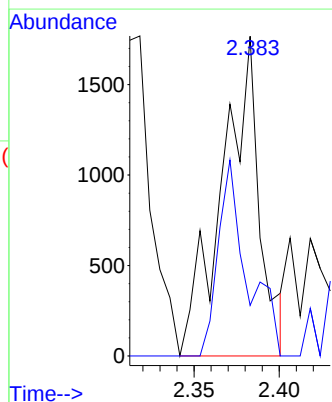
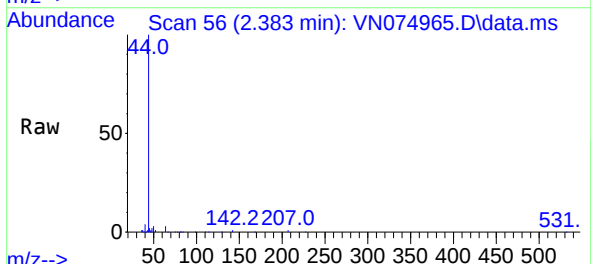
Instrument :
MSVOA_N
ClientSampleId :
MW-8

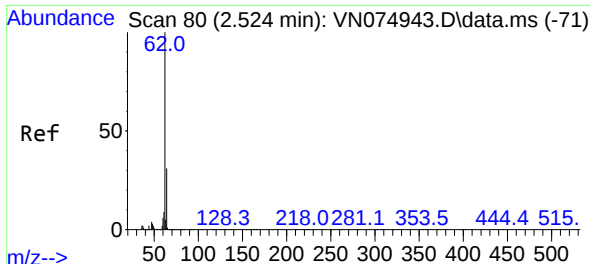
Tgt Ion:168 Resp: 670905
Ion Ratio Lower Upper
168 100
99 64.6 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 50 Resp: 2715
Ion Ratio Lower Upper
50 100
52 15.8 28.8 43.2#

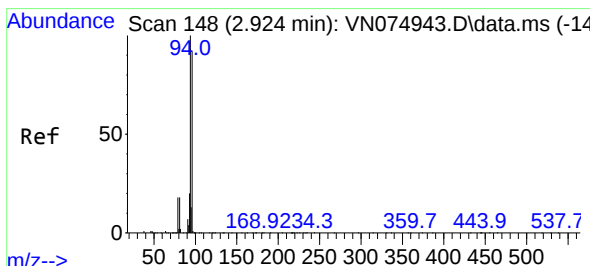
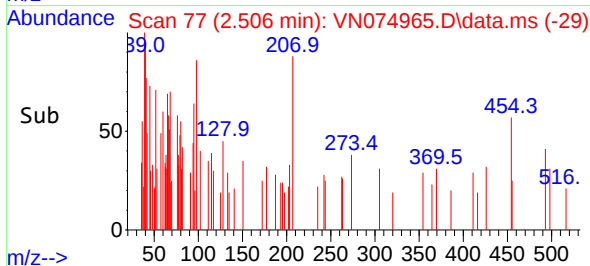
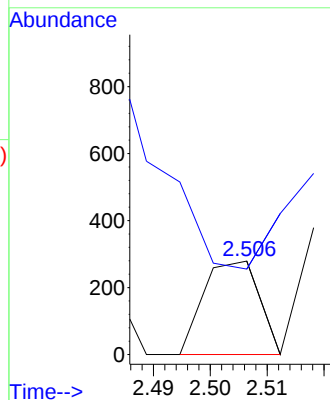
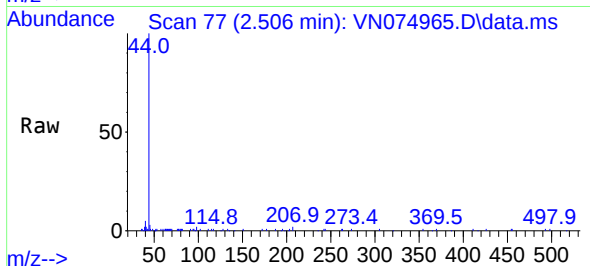




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.506 min Scan# 71
 Delta R.T. -0.018 min
 Lab File: VN074965.D
 Acq: 21 Oct 2022 16:36

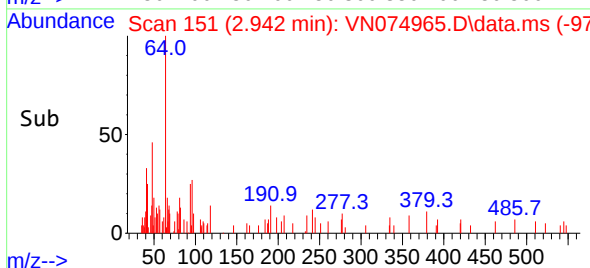
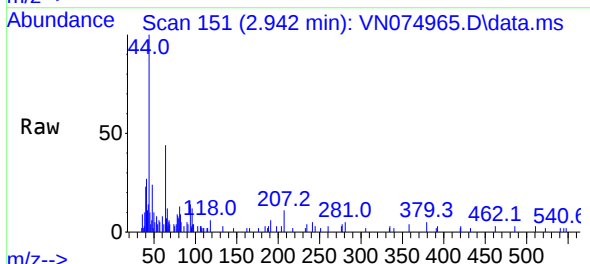
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

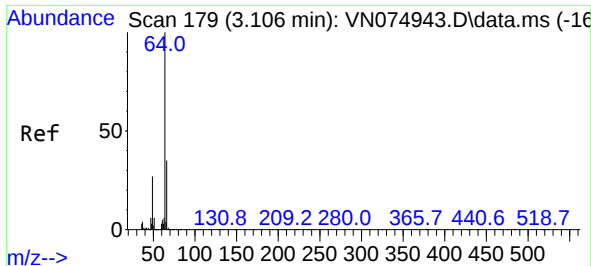
Tgt Ion: 62 Resp: 190
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.942 min Scan# 151
 Delta R.T. 0.018 min
 Lab File: VN074965.D
 Acq: 21 Oct 2022 16:36

Tgt Ion: 94 Resp: 699
 Ion Ratio Lower Upper
 94 100
 96 134.9 73.5 110.3#

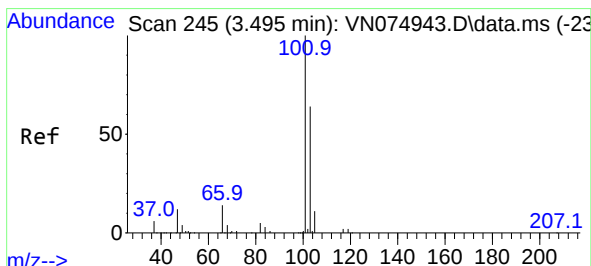
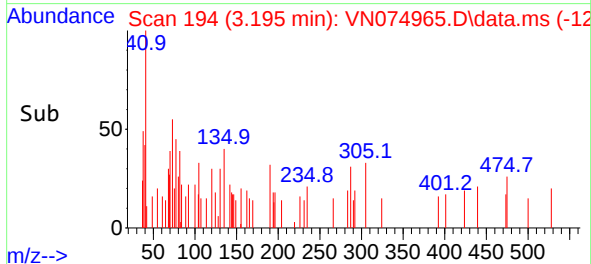
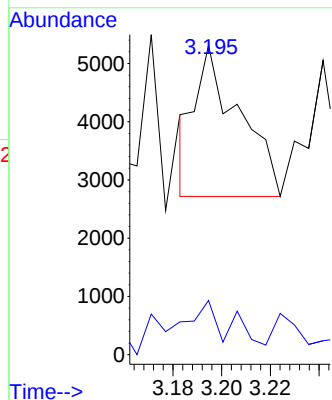
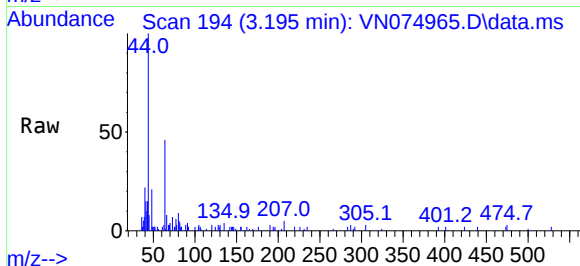




#6
Chloroethane
Concen: Below Cal
RT: 3.195 min Scan# 194
Delta R.T. 0.089 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

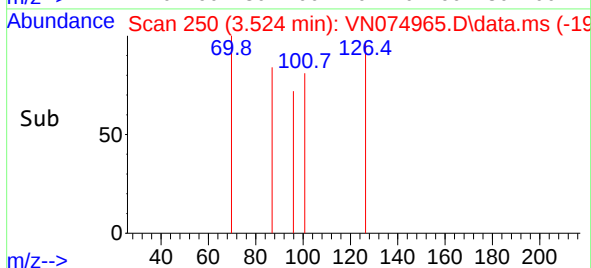
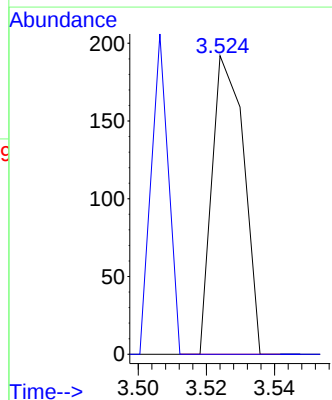
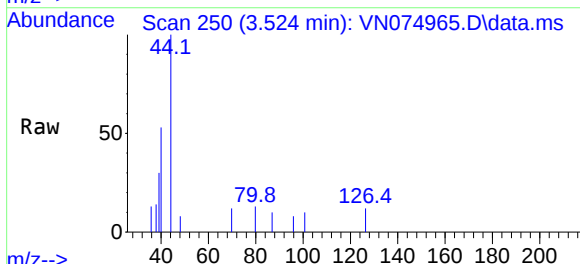
Instrument :
MSVOA_N
ClientSampleId :
MW-8

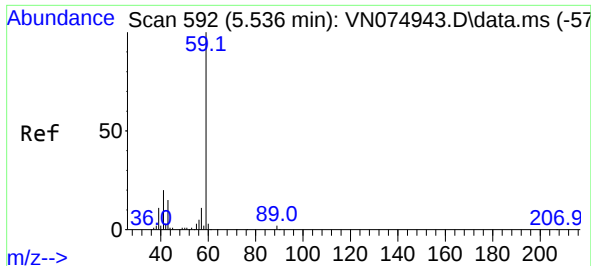
Tgt Ion: 64 Resp: 3239
Ion Ratio Lower Upper
64 100
66 14.1 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.524 min Scan# 250
Delta R.T. 0.029 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion:101 Resp: 124
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

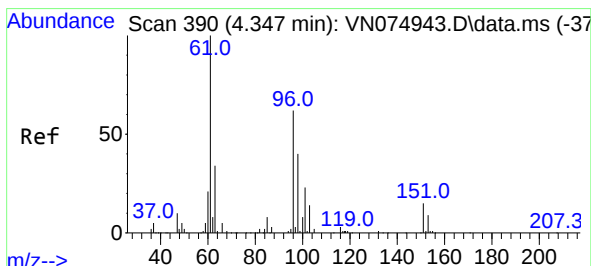
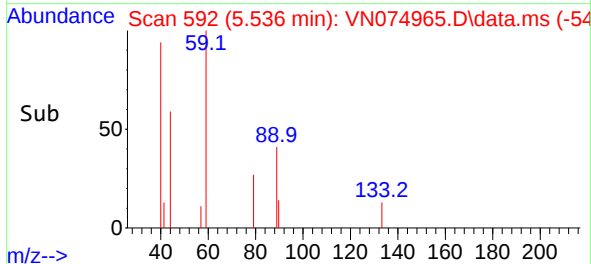
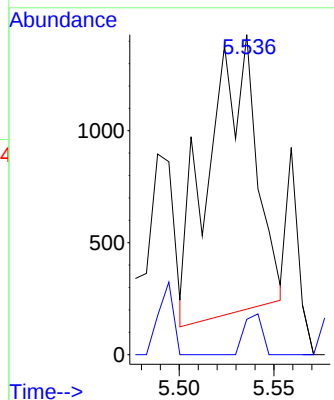
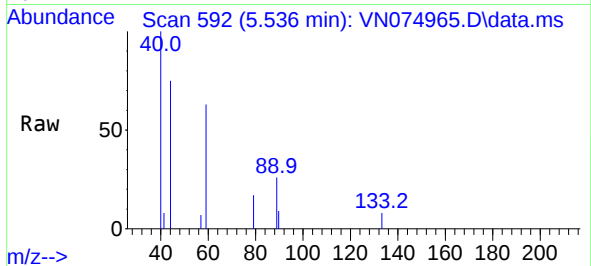




#11
Tert butyl alcohol
Concen: 0.579 ug/l
RT: 5.536 min Scan# 591
Delta R.T. -0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

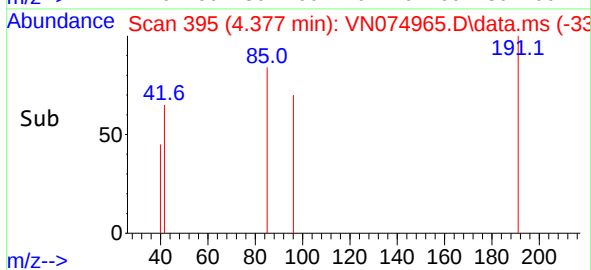
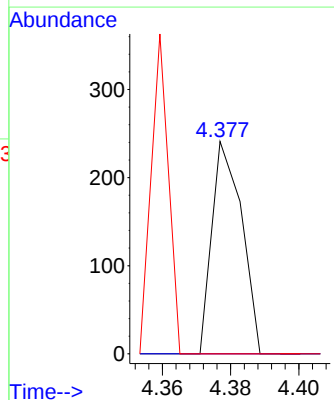
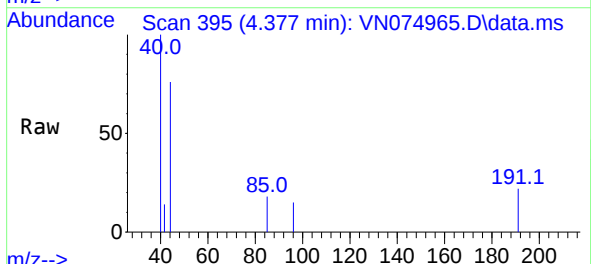
Instrument :
MSVOA_N
ClientSampleId :
MW-8

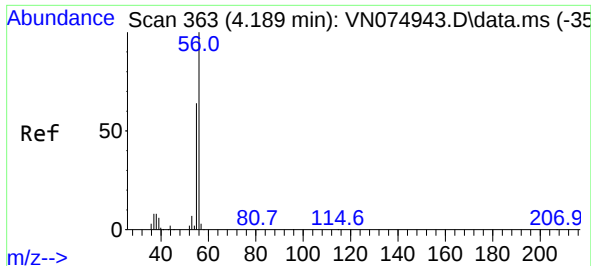
Tgt Ion: 59 Resp: 2182
Ion Ratio Lower Upper
59 100
57 5.5 8.2 12.4#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.377 min Scan# 395
Delta R.T. 0.030 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 96 Resp: 146
Ion Ratio Lower Upper
96 100
61 0.0 128.9 193.3#
98 0.0 51.8 77.8#

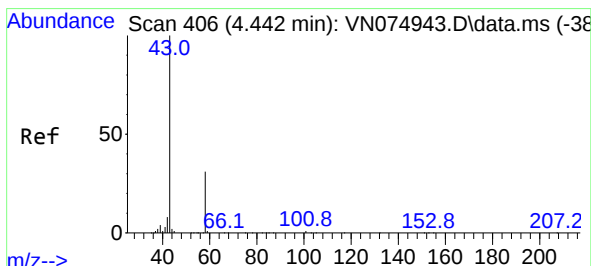
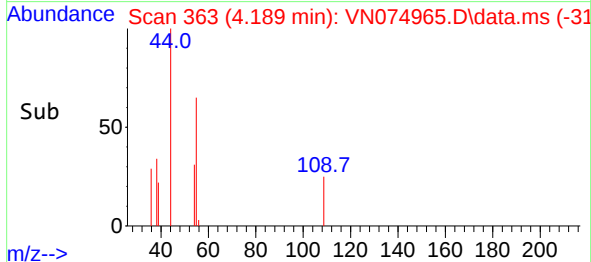
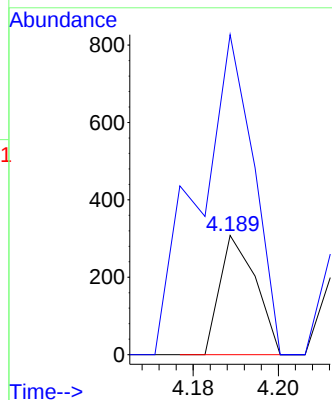
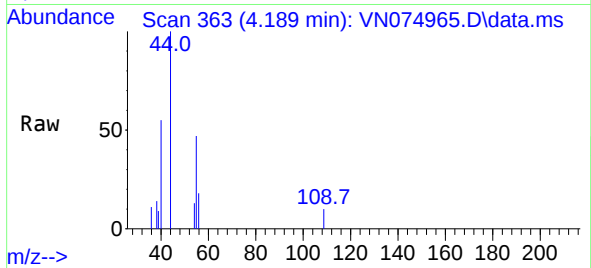




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 301
Delta R.T. -0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

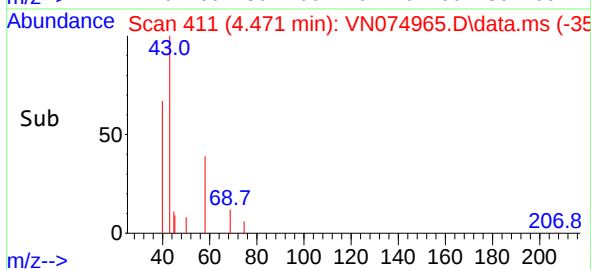
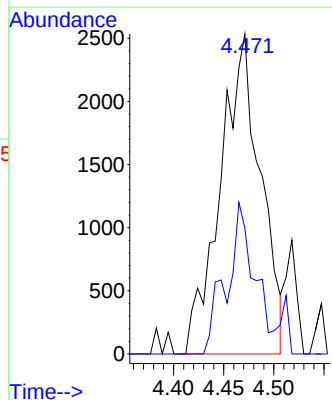
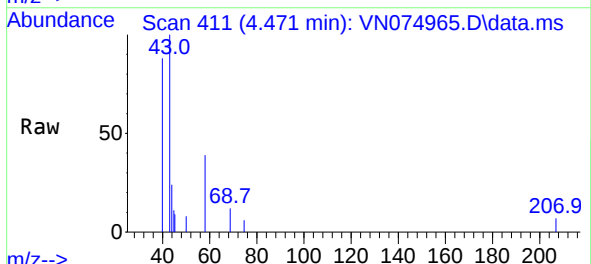
Instrument :
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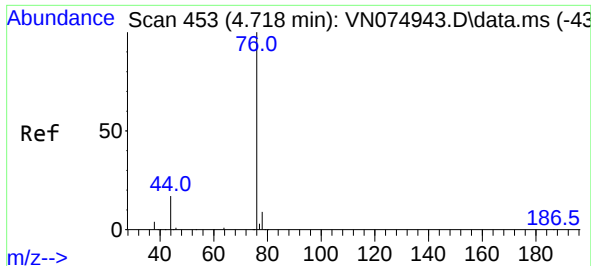
Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 412.2 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 43 Resp: 7073
Ion Ratio Lower Upper
43 100
58 39.3 25.7 38.5#

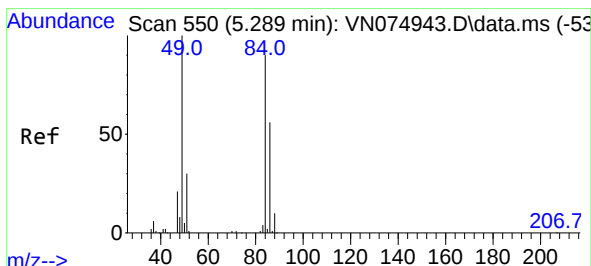
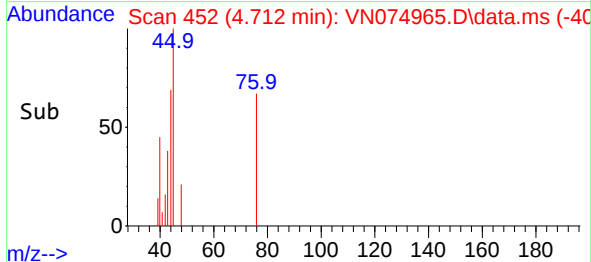
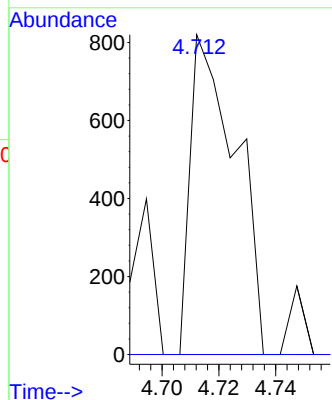
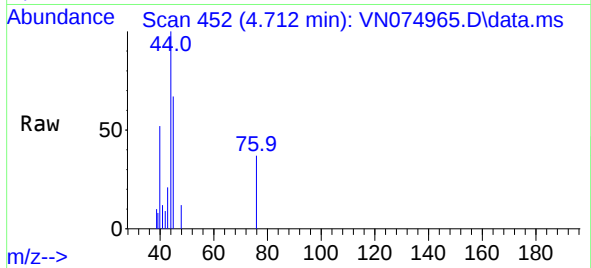




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.712 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

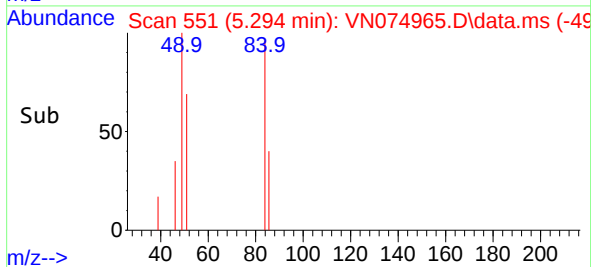
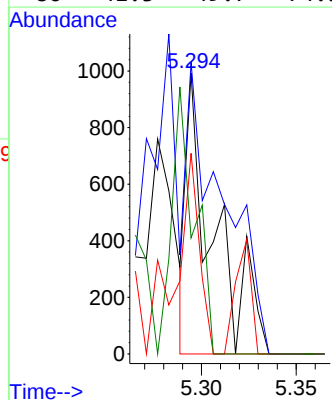
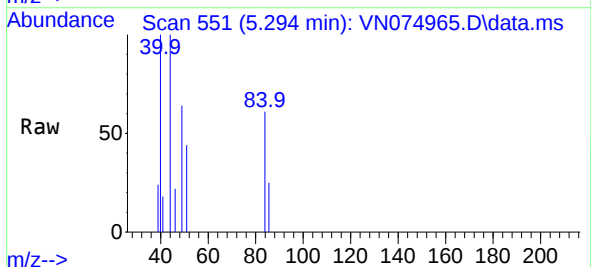
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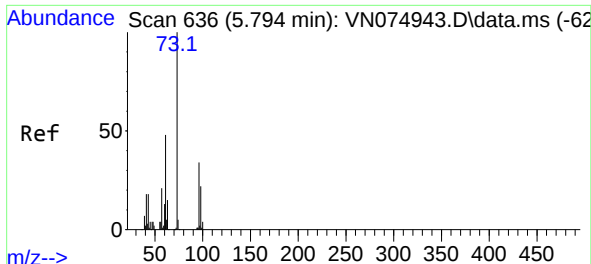
Tgt Ion: 76 Resp: 911
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 84 Resp: 992
Ion Ratio Lower Upper
84 100
49 103.8 88.6 133.0
51 71.4 26.7 40.1#
86 41.3 49.7 74.5#

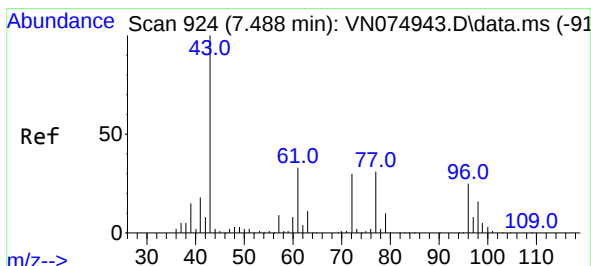
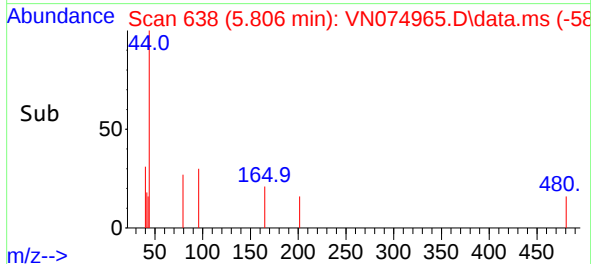
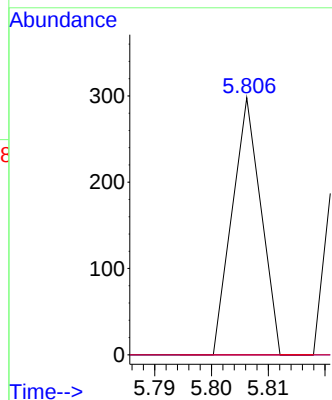
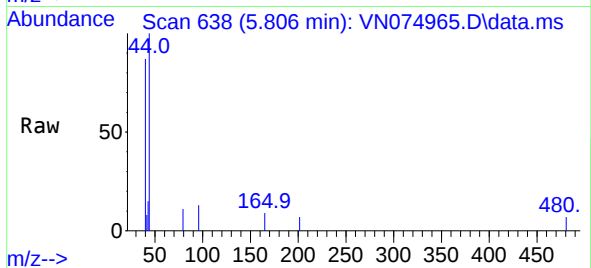




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.806 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

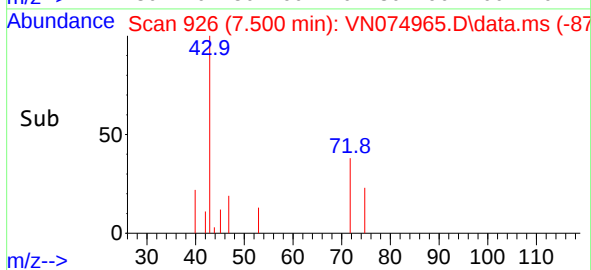
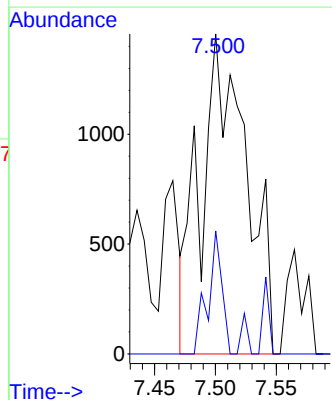
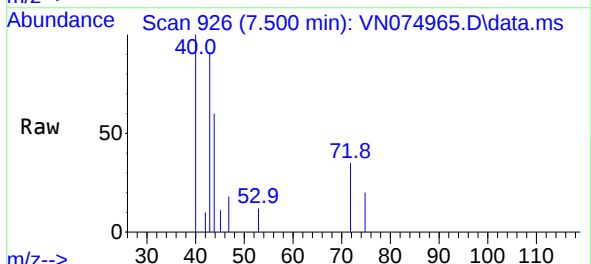
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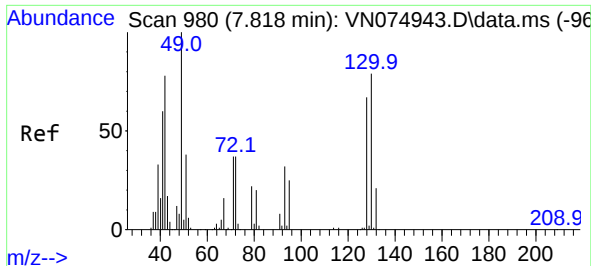
Tgt Ion: 96 Resp: 105
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#



#25
2-Butanone
Concen: 0.348 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 43 Resp: 3784
Ion Ratio Lower Upper
43 100
72 38.4 23.9 35.9#

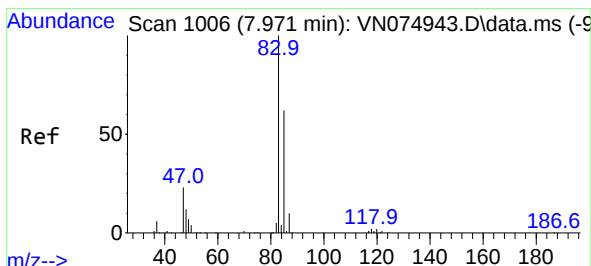
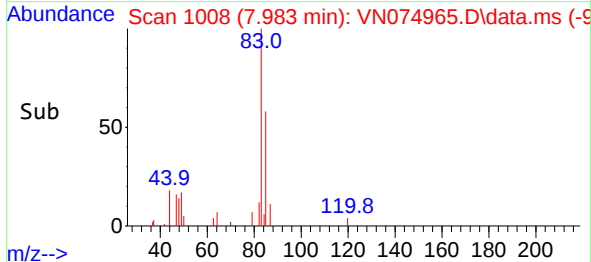
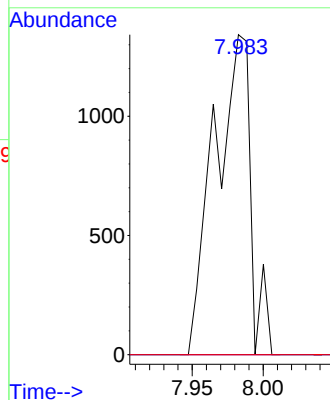
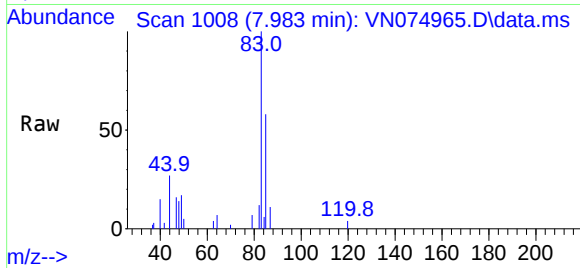




#28
Bromochloromethane
Concen: 0.248 ug/l
RT: 7.983 min Scan# 1008
Delta R.T. 0.165 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

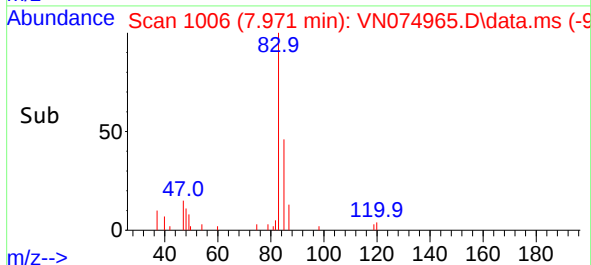
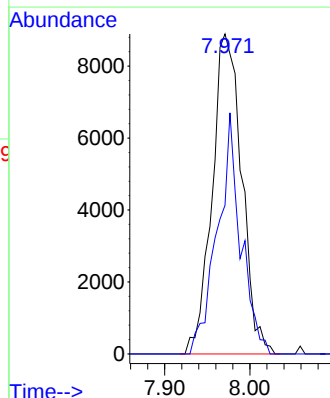
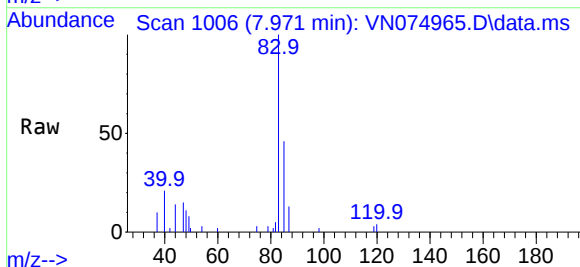
Instrument :
MSVOA_N
ClientSampleId :
MW-8

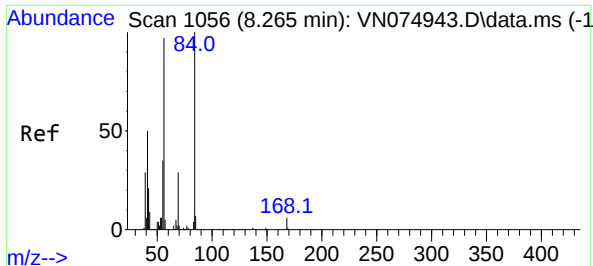
Tgt Ion: 49 Resp: 2386
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 64.4 96.6#



#30
Chloroform
Concen: 0.822 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 83 Resp: 21464
Ion Ratio Lower Upper
83 100
85 46.5 49.9 74.9#

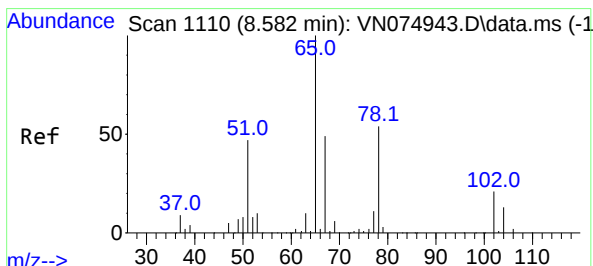
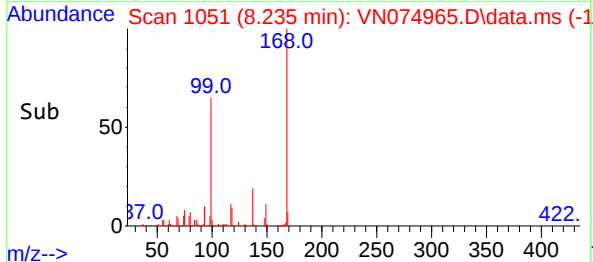
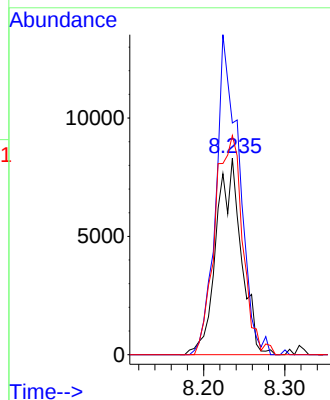
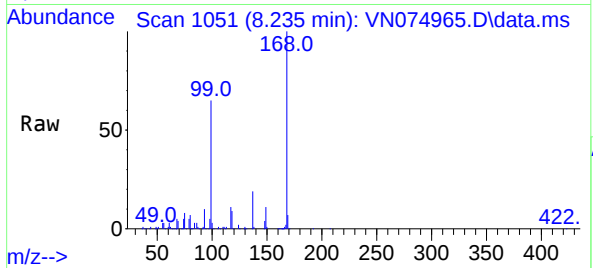




#31
Cyclohexane
Concen: 0.978 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

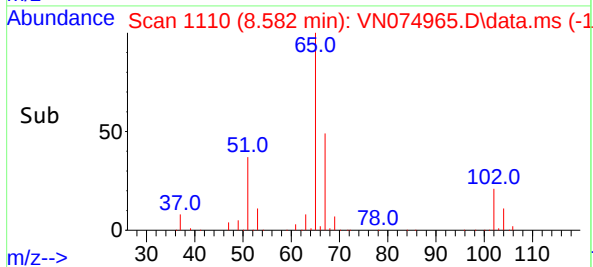
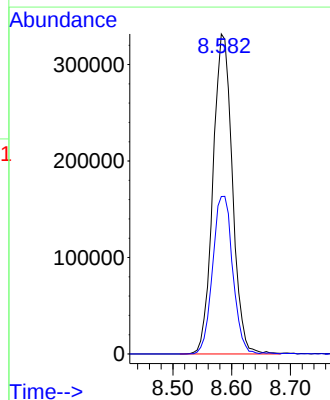
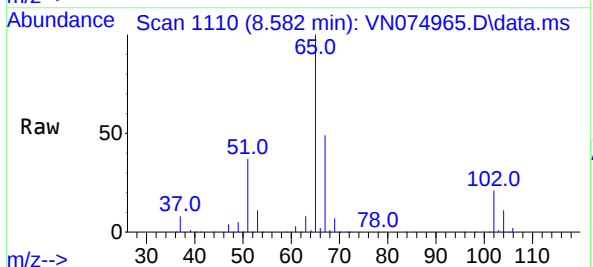
Instrument :
MSVOA_N
ClientSampleId :
MW-8

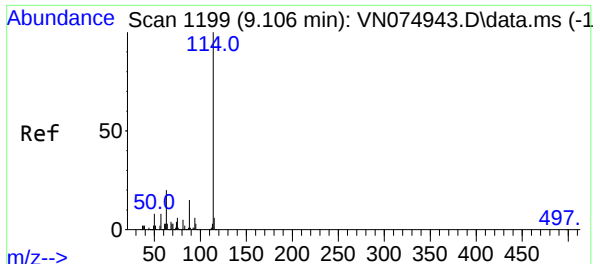
Tgt Ion: 56 Resp: 17807
Ion Ratio Lower Upper
56 100
69 118.0 24.2 36.2#
84 111.6 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 42.664 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 65 Resp: 760500
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6

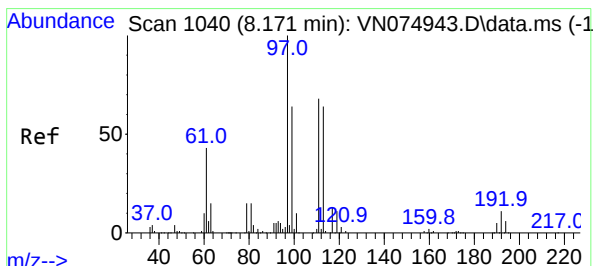
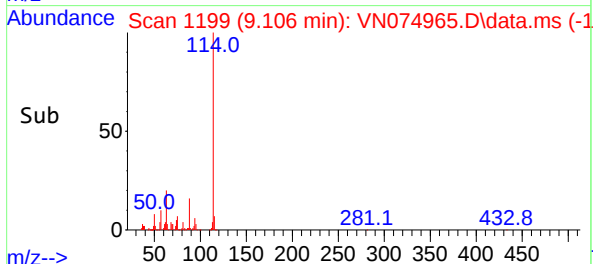
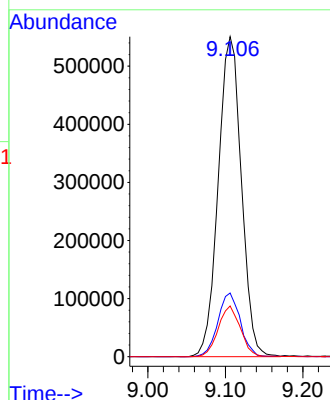
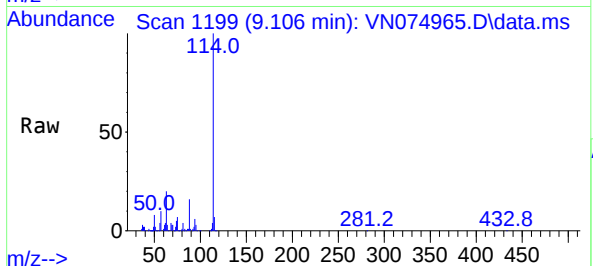




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

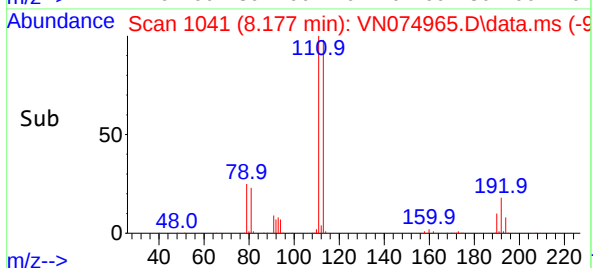
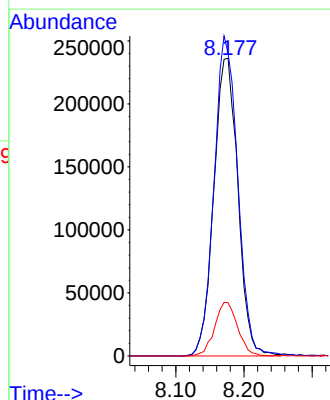
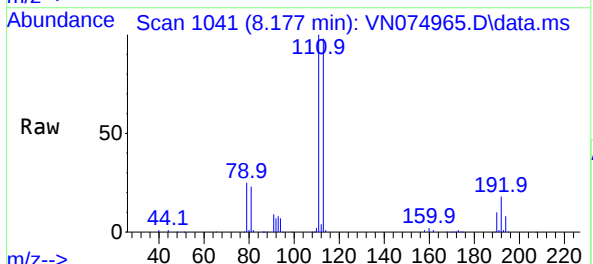
Instrument :
MSVOA_N
ClientSampleId :
MW-8

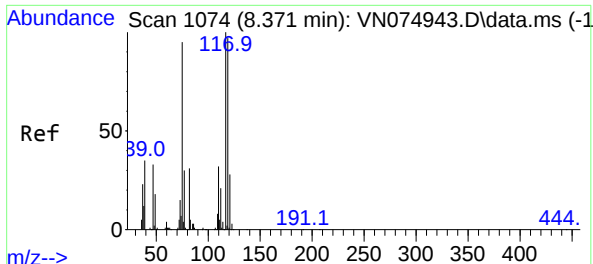
Tgt Ion:114 Resp: 1142692
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.8
88 15.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 42.690 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion:113 Resp: 580623
Ion Ratio Lower Upper
113 100
111 105.7 83.4 125.2
192 17.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 3.471 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN074965.D

Acq: 21 Oct 2022 16:36

Instrument :

MSVOA_N

ClientSampleId :

MW-8

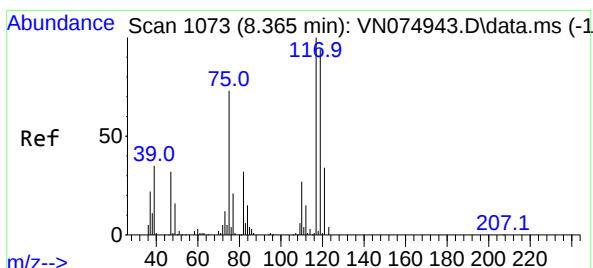
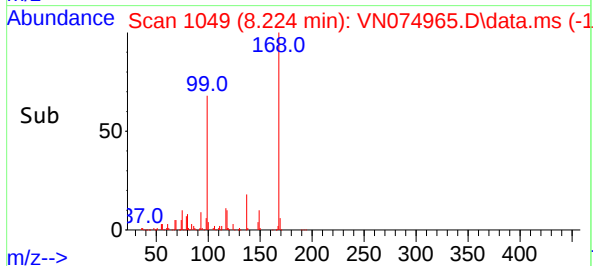
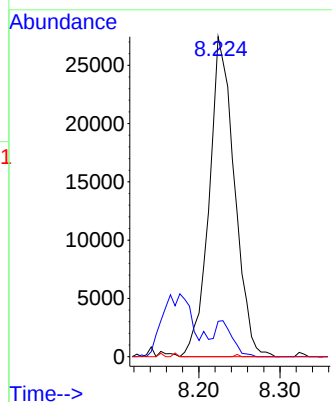
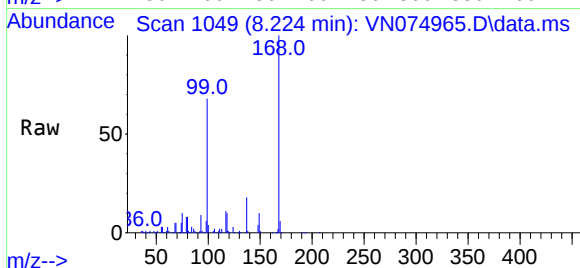
Tgt Ion: 75 Resp: 59448

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.4#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 3.982 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN074965.D

Acq: 21 Oct 2022 16:36

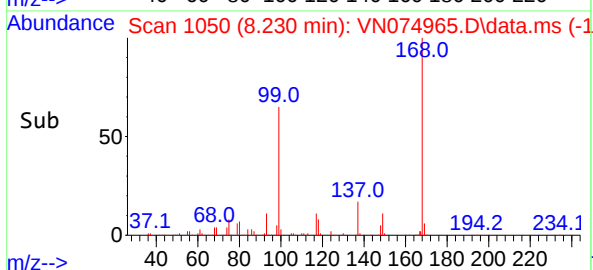
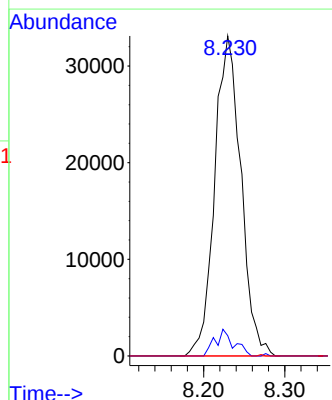
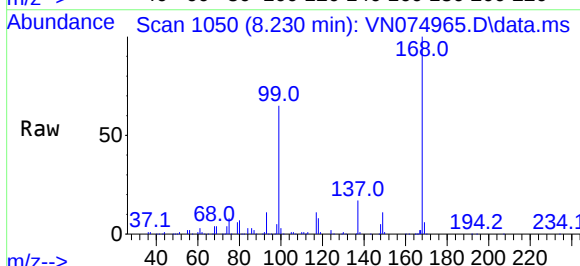
Tgt Ion: 117 Resp: 74244

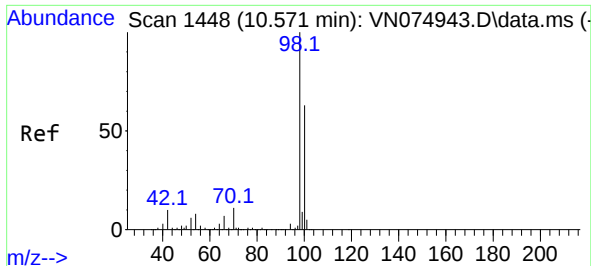
Ion Ratio Lower Upper

117 100

119 6.3 75.2 112.8#

121 0.0 27.0 40.6#

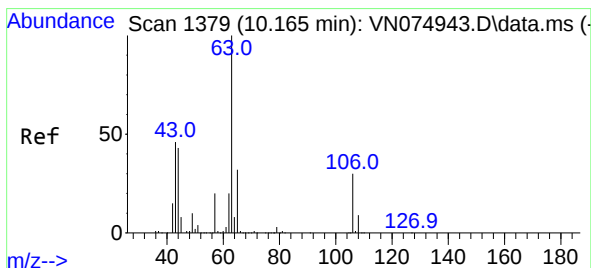
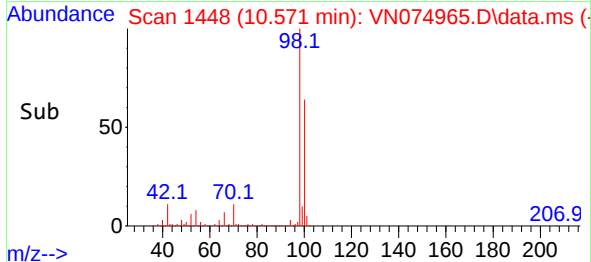
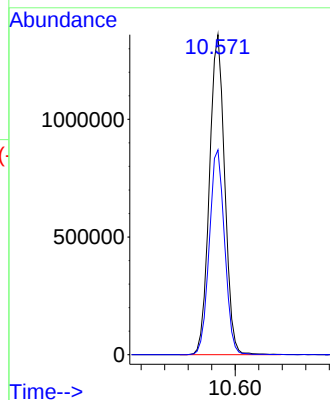
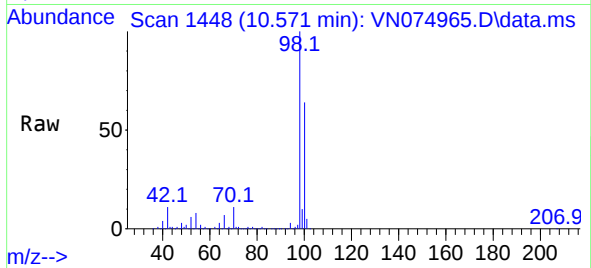




#50
Toluene-d8
Concen: 47.030 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

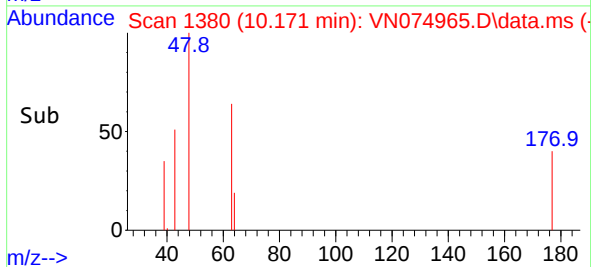
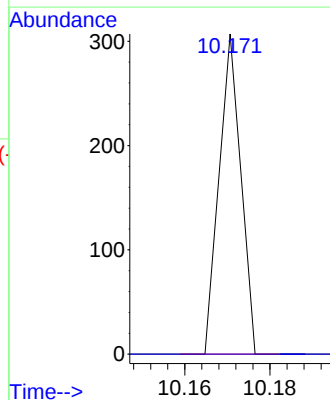
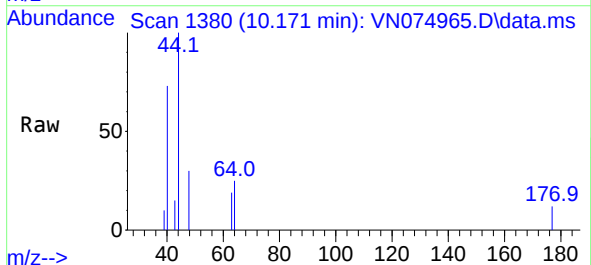
Instrument :
MSVOA_N
ClientSampleId :
MW-8

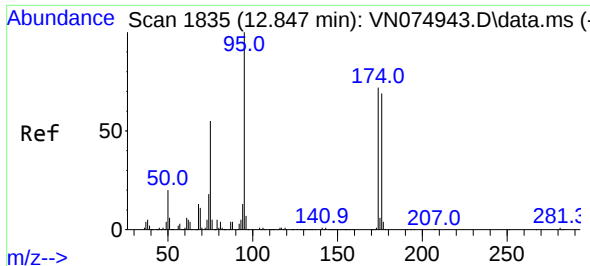
Tgt Ion: 98 Resp: 2454183
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



#58
2-Chloroethyl Vinyl ether
Concen: 3.620 ug/l
RT: 10.171 min Scan# 1380
Delta R.T. 0.006 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 63 Resp: 108
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#

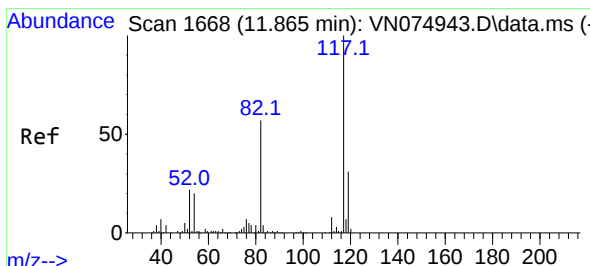
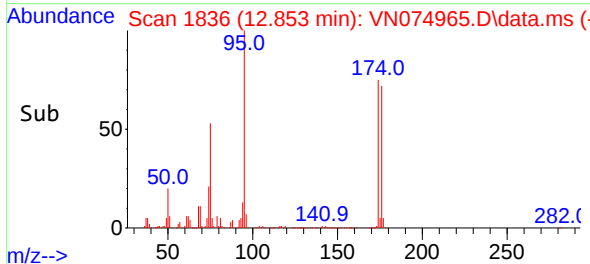
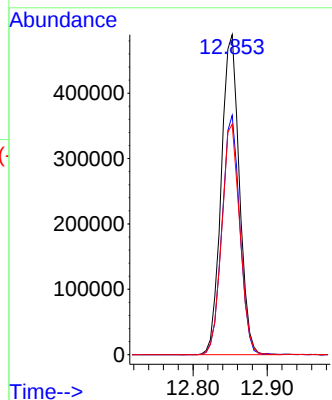
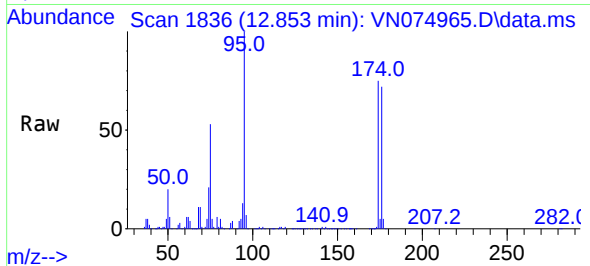




#62
4-Bromofluorobenzene
Concen: 44.975 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

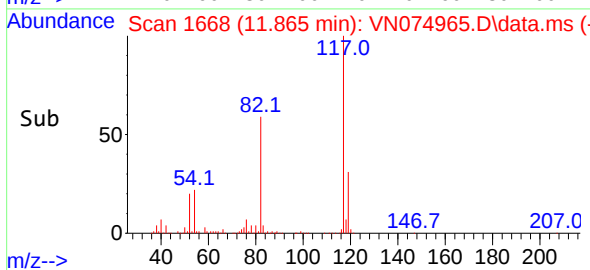
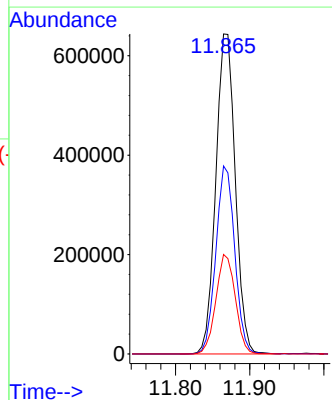
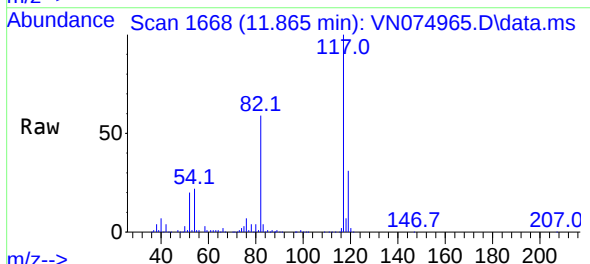
Instrument :
MSVOA_N
ClientSampleId :
MW-8

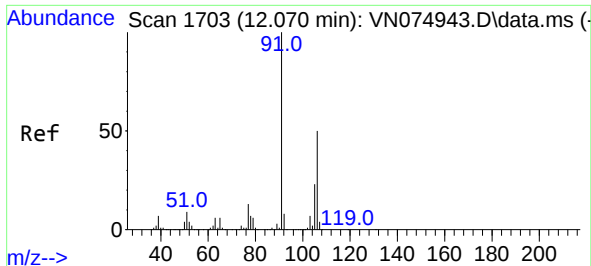
Tgt Ion: 95 Resp: 827870
Ion Ratio Lower Upper
95 100
174 73.4 0.0 143.0
176 72.0 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 117 Resp: 1175432
Ion Ratio Lower Upper
117 100
82 58.8 45.6 68.4
119 31.1 25.1 37.7

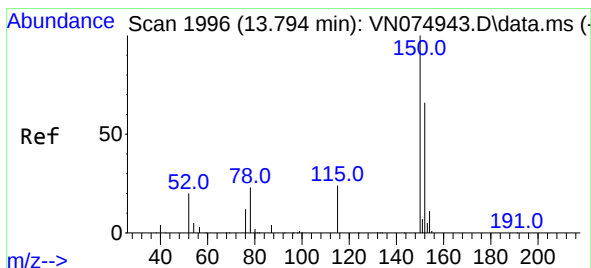
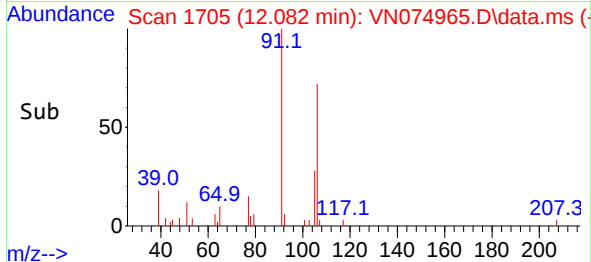
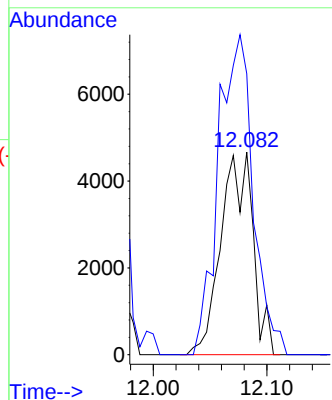
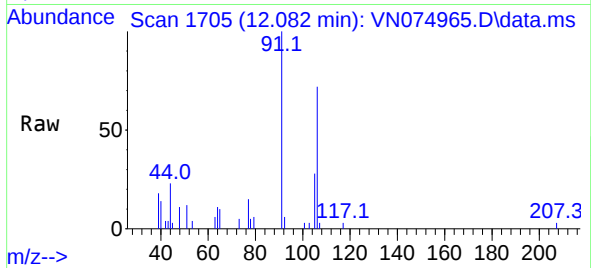




#68
m/p-Xylenes
Concen: 0.369 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

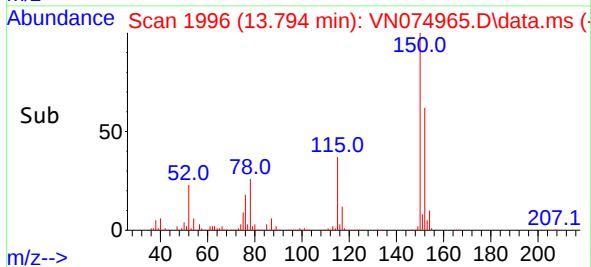
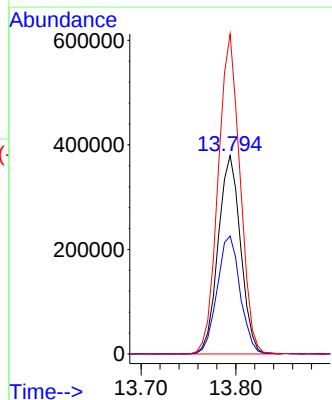
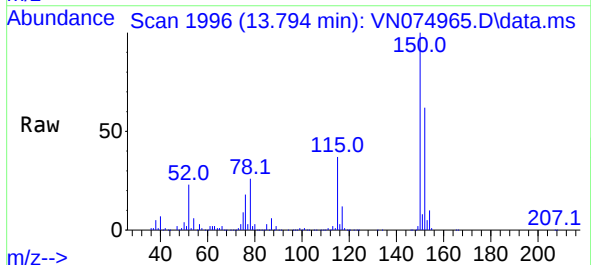
Instrument :
MSVOA_N
ClientSampleId :
MW-8

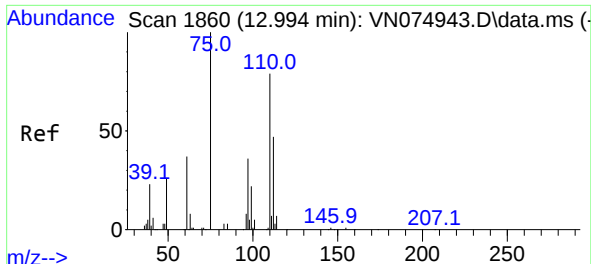
Tgt Ion:106 Resp: 9068
Ion Ratio Lower Upper
106 100
91 173.0 159.7 239.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion:152 Resp: 623718
Ion Ratio Lower Upper
152 100
115 61.3 31.3 93.8
150 158.0 0.0 349.6

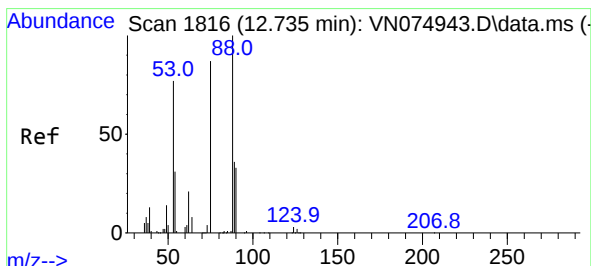
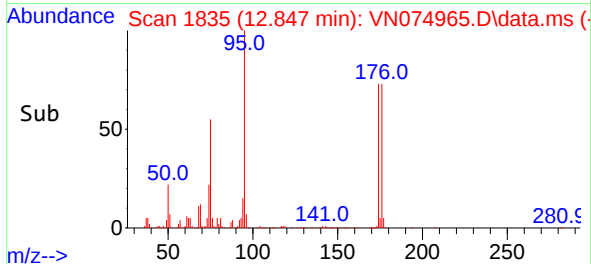
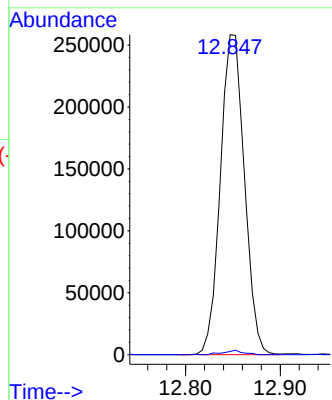
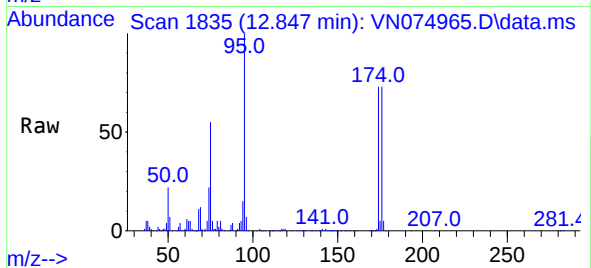




#76
1,2,3-Trichloropropane
Concen: 26.991 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

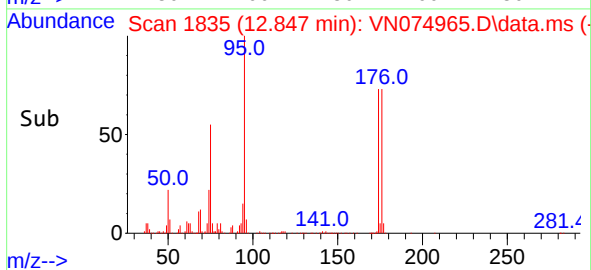
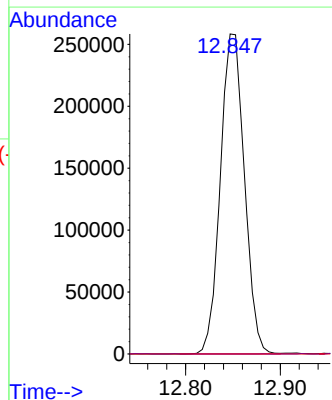
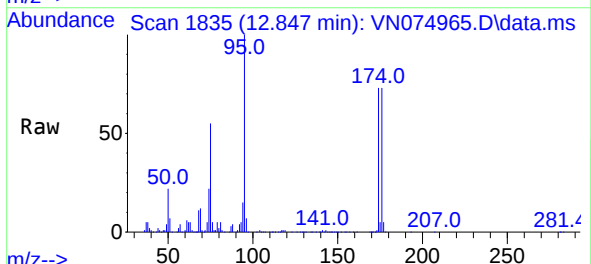
Instrument :
MSVOA_N
ClientSampleId :
MW-8

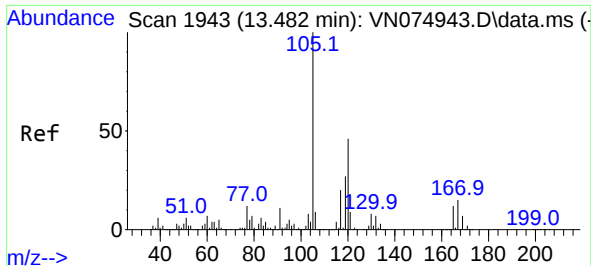
Tgt Ion: 75 Resp: 456546
Ion Ratio Lower Upper
75 100
77 1.1 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.540 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion: 75 Resp: 456546
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#

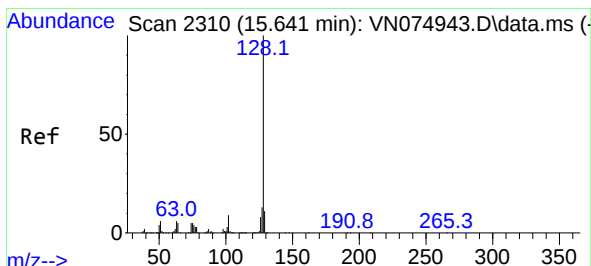
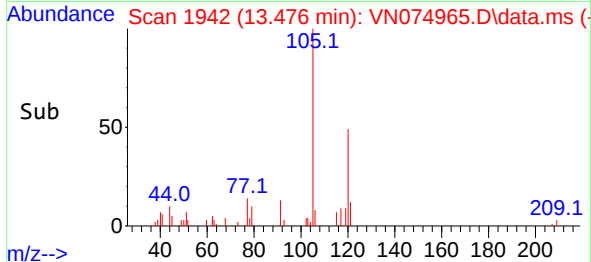
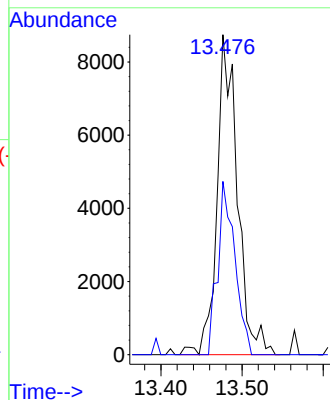
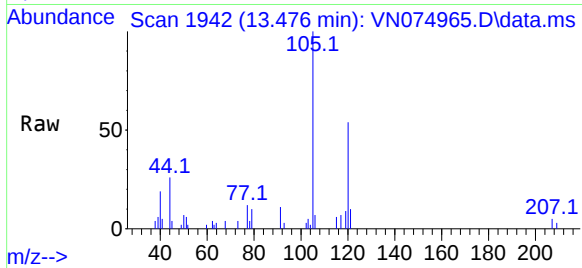




#84
1,2,4-Trimethylbenzene
Concen: 0.344 ug/l
RT: 13.476 min Scan# 1942
Delta R.T. -0.006 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Instrument :
MSVOA_N
ClientSampleId :
MW-8

Tgt Ion:105 Resp: 15291
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.5



#95
Naphthalene
Concen: 1.119 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074965.D
Acq: 21 Oct 2022 16:36

Tgt Ion:128 Resp: 42414
Ion Ratio Lower Upper
128 100
127 15.6 10.4 15.6
129 13.1 8.6 12.8#

