

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074967.D
 Acq On : 21 Oct 2022 17:24
 Operator : JC\MD
 Sample : N5222-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

Quant Time: Oct 22 02:55:02 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)

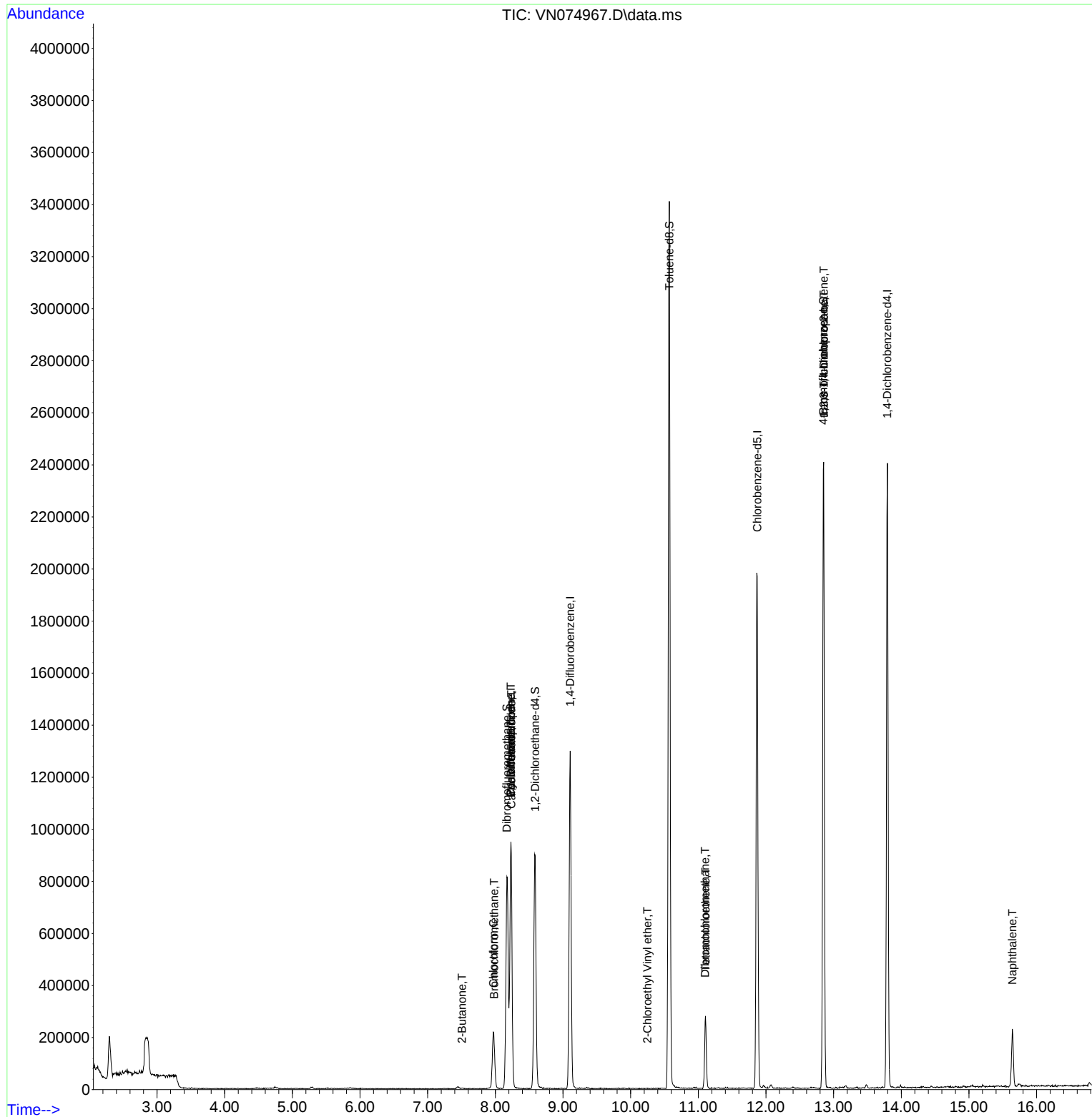
Internal Standards						
1) Pentafluorobenzene	8.230	168	665780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1117553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1139536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	606021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	733374	41.459	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.920%		
35) Dibromofluoromethane	8.171	113	580726	43.658	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.320%		
50) Toluene-d8	10.571	98	2356056	46.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.320%		
62) 4-Bromofluorobenzene	12.847	95	809047	44.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.880%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3838	Below Cal	#	80
4) Vinyl Chloride	2.518	62	66	Below Cal	#	44
5) Bromomethane	2.895	94	653	Below Cal	#	37
6) Chloroethane	3.148	64	1949	Below Cal	#	40
7) Trichlorofluoromethane	3.448	101	104	Below Cal	#	18
13) Acrolein	4.195	56	441	Below Cal	#	64
16) Acetone	4.465	43	6053	Below Cal	#	43
17) Carbon Disulfide	4.730	76	1016	Below Cal	#	56
20) Methylene Chloride	5.283	84	1799	Below Cal	#	59
21) trans-1,2-Dichloroethene	5.771	96	88	Below Cal	#	1
25) 2-Butanone	7.506	43	2412	0.224 ug/l	#	45
28) Bromochloromethane	7.983	49	18670	1.955 ug/l	#	11
30) Chloroform	7.971	83	207630	8.016 ug/l		95
31) Cyclohexane	8.230	56	16826	0.931 ug/l	#	15
36) 1,1-Dichloropropene	8.230	75	55847	3.334 ug/l	#	50
38) Carbon Tetrachloride	8.236	117	73566	4.034 ug/l	#	15
58) 2-Chloroethyl Vinyl ether	10.247	63	53	3.614 ug/l	#	45
60) Dibromochloromethane	11.100	129	58736	3.956 ug/l	#	11
64) Tetrachloroethene	11.106	164	60527	6.495 ug/l		87
76) 1,2,3-Trichloropropane	12.853	75	449993	27.381 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	449993	87.789 ug/l	#	10
95) Naphthalene	15.641	128	194905	5.294 ug/l		98

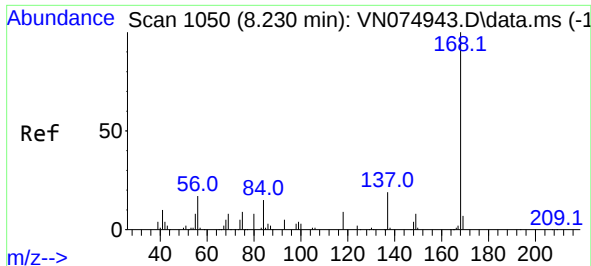
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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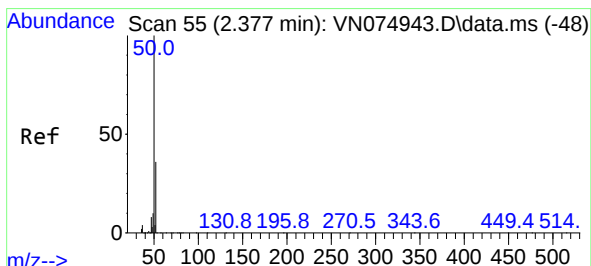
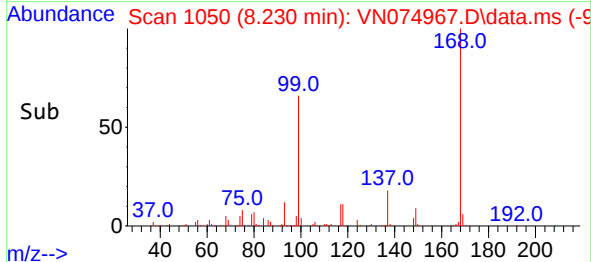
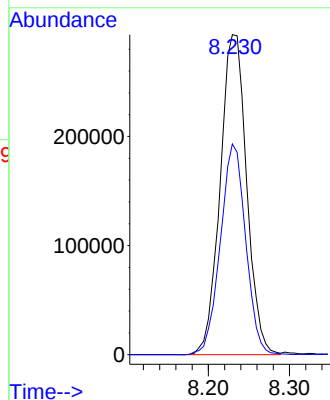
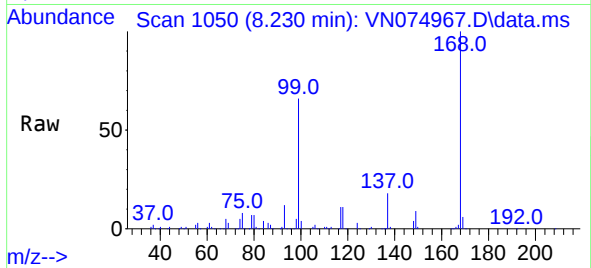




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

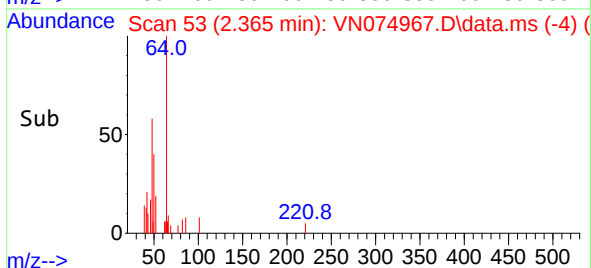
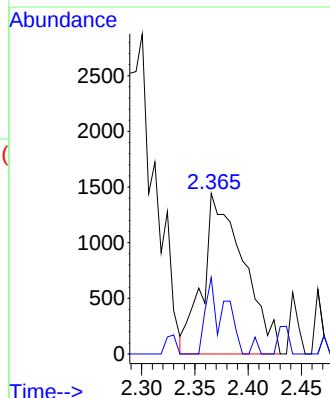
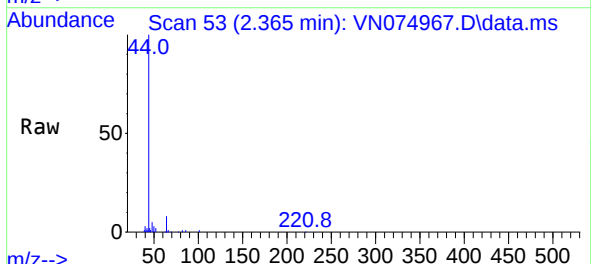
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MSVOA_N
ClientSampleId :
MW-10D

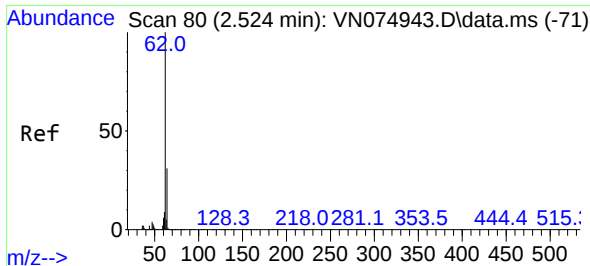
Tgt Ion:168 Resp: 665780
Ion Ratio Lower Upper
168 100
99 65.9 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 53
Delta R.T. -0.012 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 50 Resp: 3838
Ion Ratio Lower Upper
50 100
52 47.6 28.8 43.2#

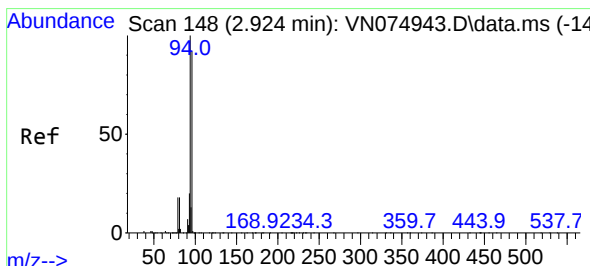
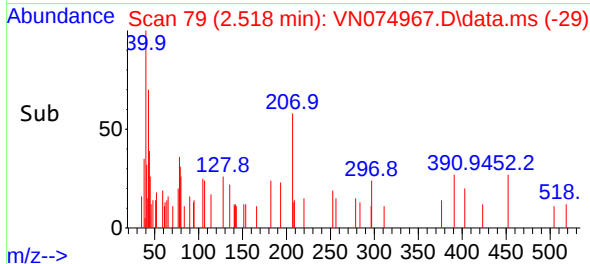
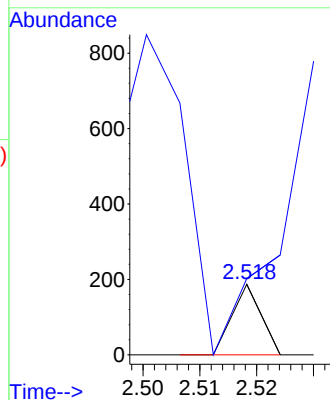
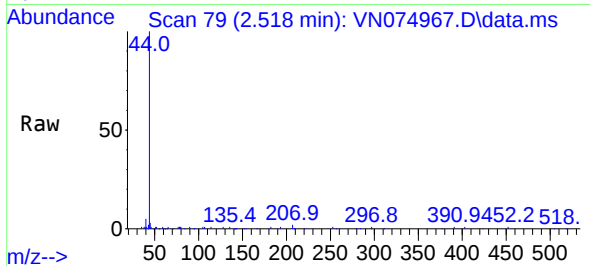




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.518 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VN074967.D
 Acq: 21 Oct 2022 17:24

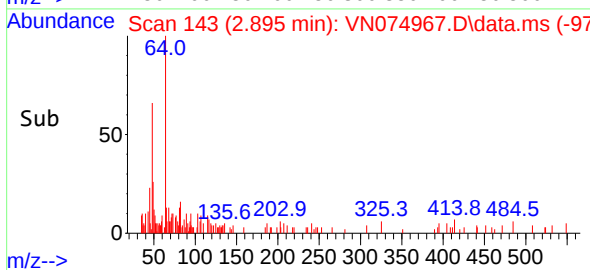
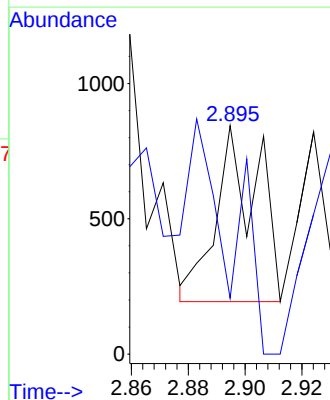
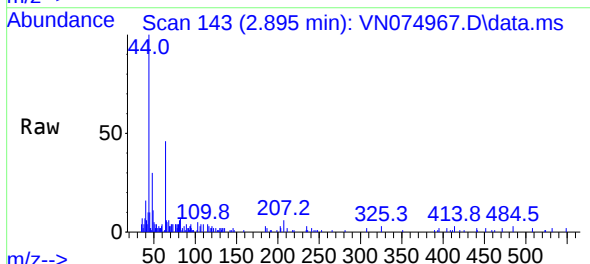
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

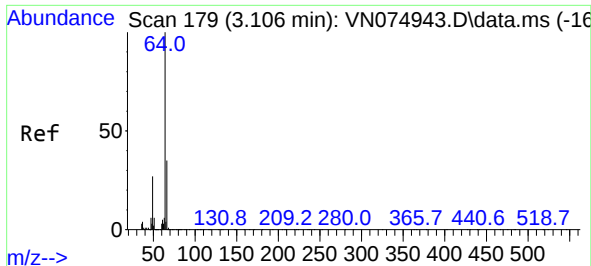
Tgt Ion: 62 Resp: 66
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.895 min Scan# 143
 Delta R.T. -0.029 min
 Lab File: VN074967.D
 Acq: 21 Oct 2022 17:24

Tgt Ion: 94 Resp: 653
 Ion Ratio Lower Upper
 94 100
 96 31.7 73.5 110.3#

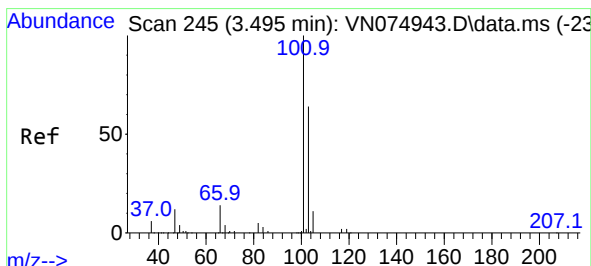
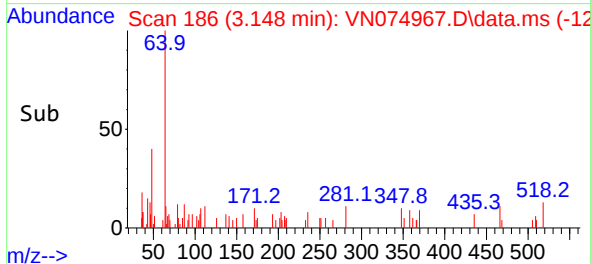
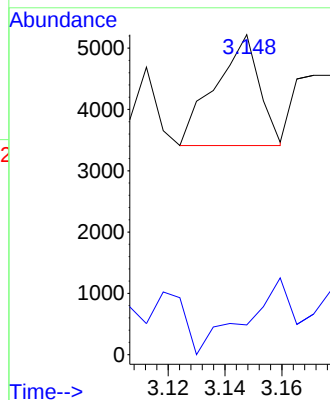
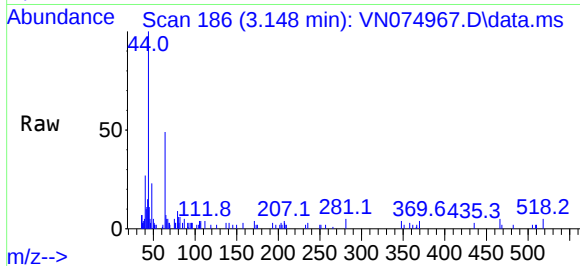




#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 11
Delta R.T. 0.042 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

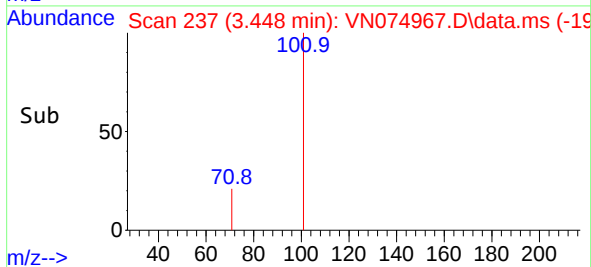
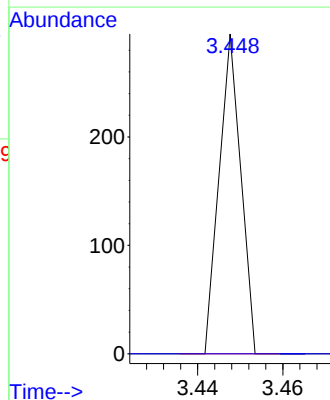
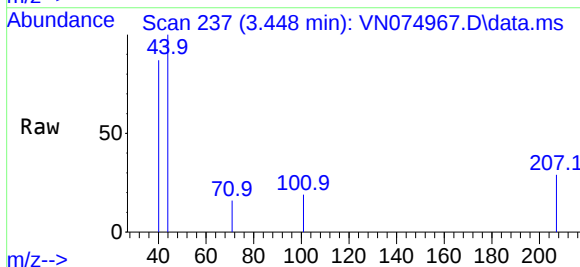
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

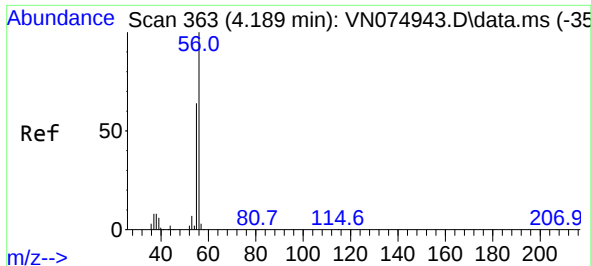
Tgt Ion: 64 Resp: 1949
Ion Ratio Lower Upper
64 100
66 0.0 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.448 min Scan# 237
Delta R.T. -0.047 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 101 Resp: 104
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

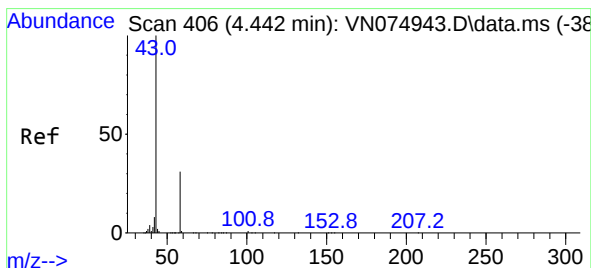
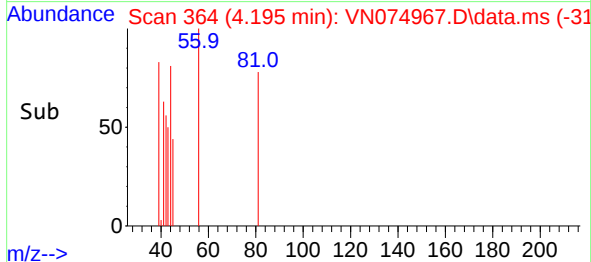
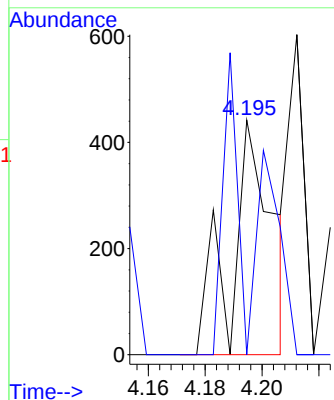
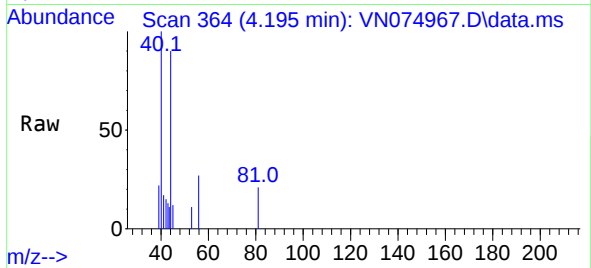




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

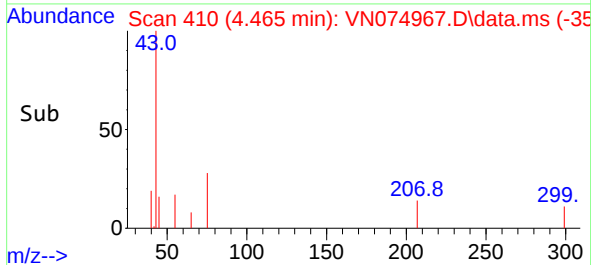
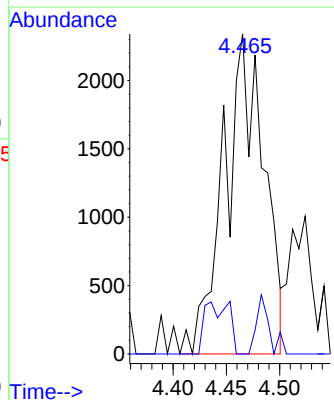
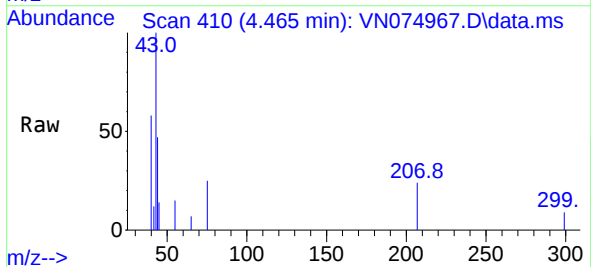
Instrument :
MSVOA_N
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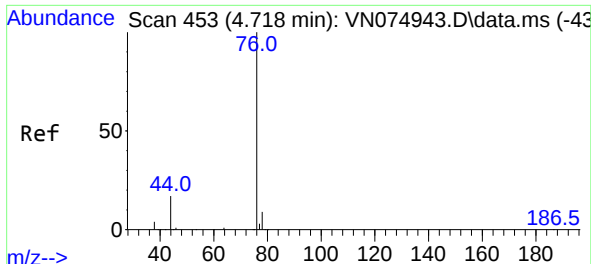
Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 95.7 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 43 Resp: 6053
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#

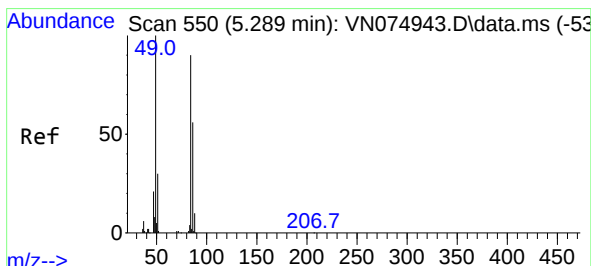
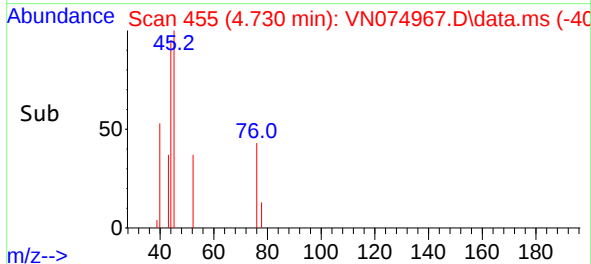
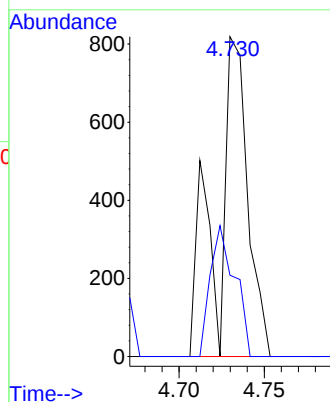
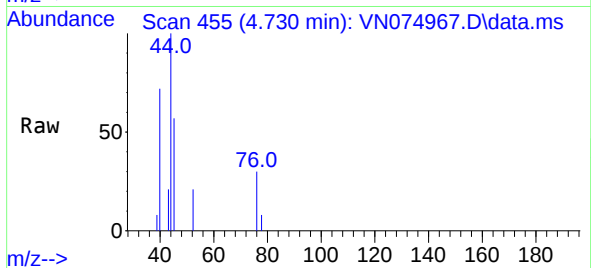




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.730 min Scan# 417
Delta R.T. 0.012 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

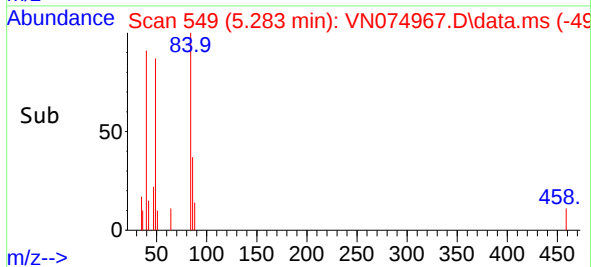
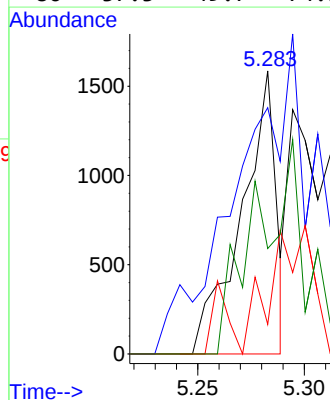
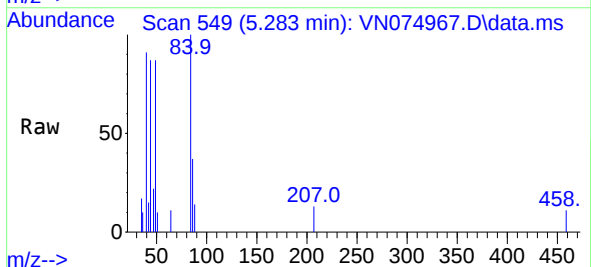
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MSVOA_N
ClientSampleId :
MW-10D

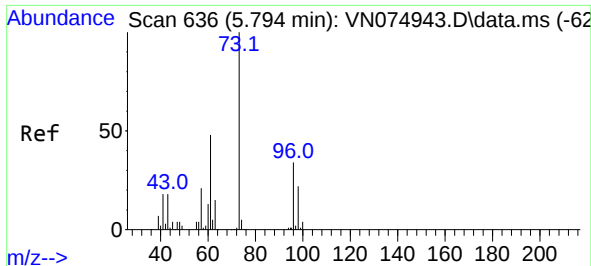
Tgt Ion: 76 Resp: 1016
Ion Ratio Lower Upper
76 100
78 25.4 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 84 Resp: 1799
Ion Ratio Lower Upper
84 100
49 62.5 88.6 133.0#
51 10.5 26.7 40.1#
86 37.3 49.7 74.5#

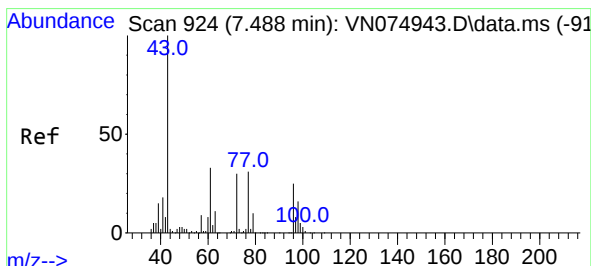
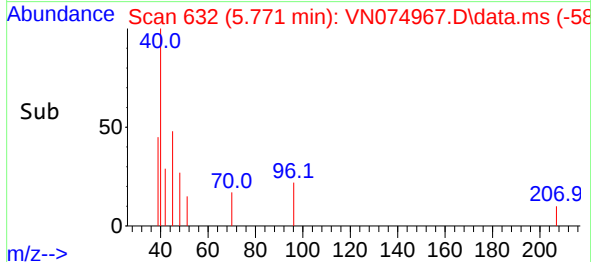
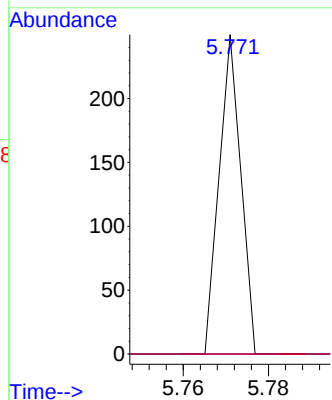
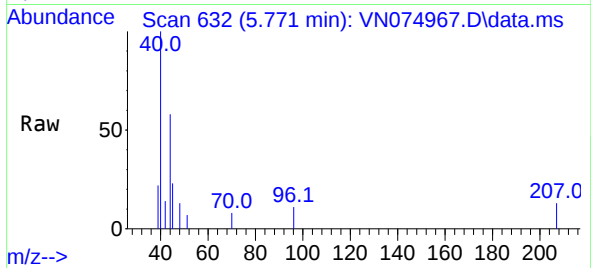




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.771 min Scan# 61
Delta R.T. -0.023 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

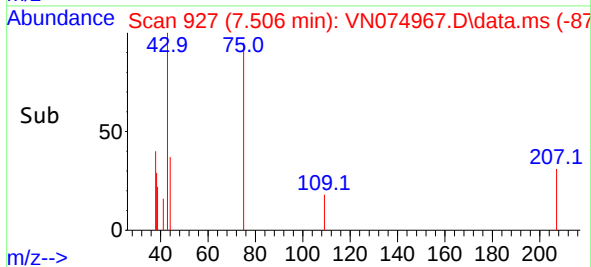
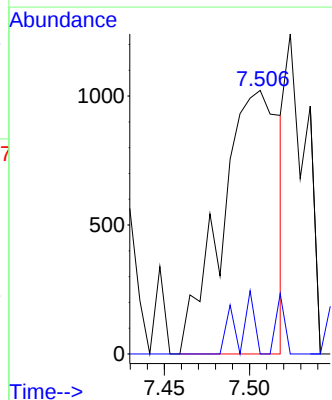
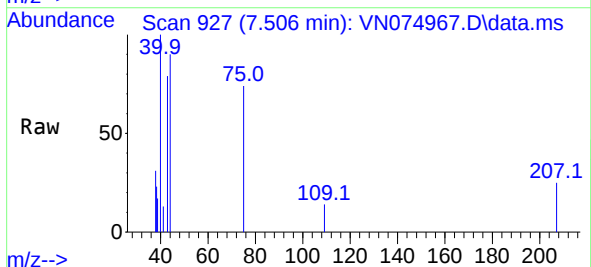
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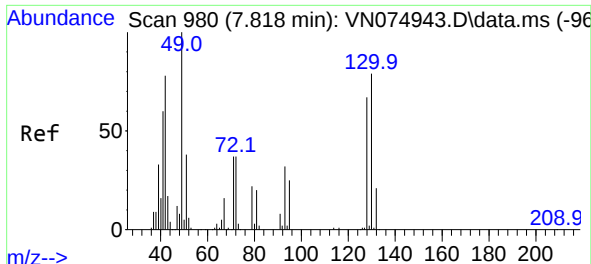
Tgt Ion: 96 Resp: 88
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#



#25
2-Butanone
Concen: 0.224 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#

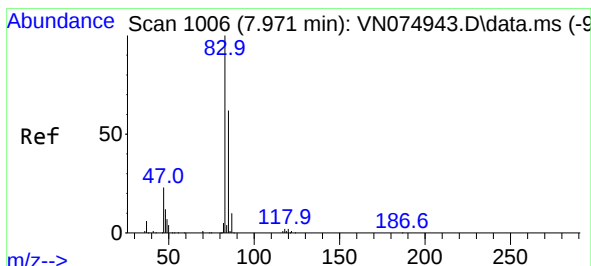
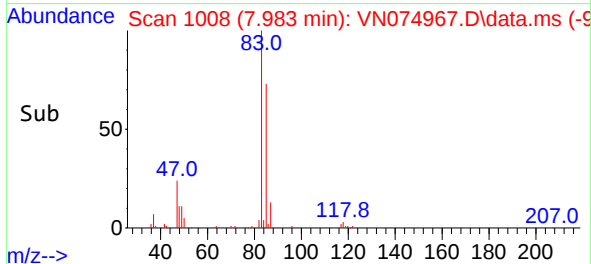
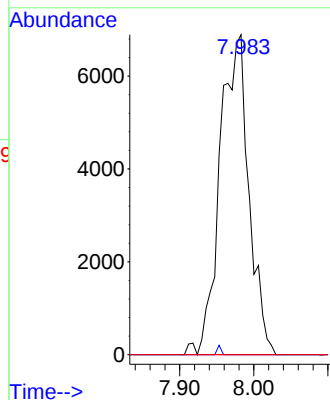
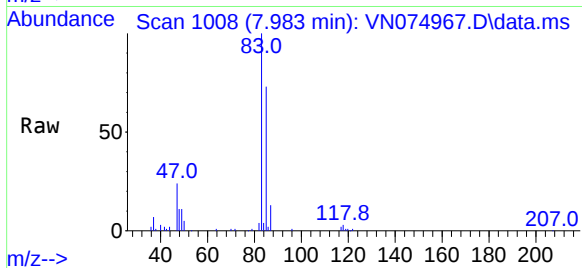




#28
Bromochloromethane
Concen: 1.955 ug/l
RT: 7.983 min Scan# 1008
Delta R.T. 0.165 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

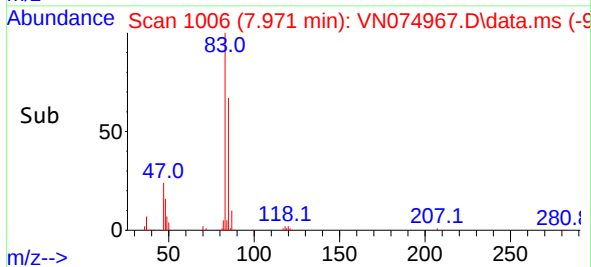
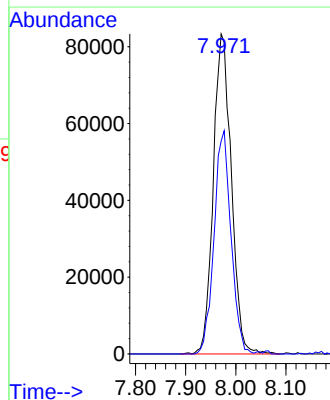
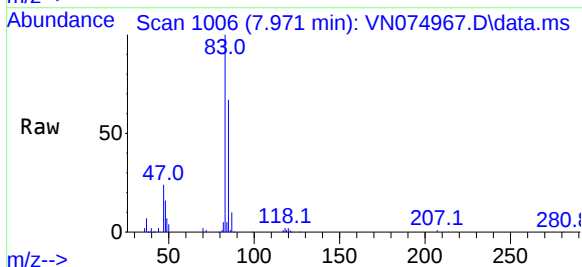
Instrument :
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MW-10D

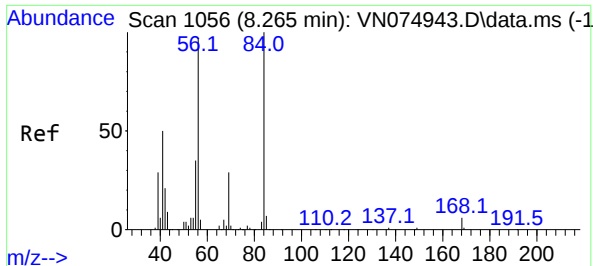
Tgt Ion: 49 Resp: 18670
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 64.4 96.6#



#30
Chloroform
Concen: 8.016 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 83 Resp: 207630
Ion Ratio Lower Upper
83 100
85 66.6 49.9 74.9

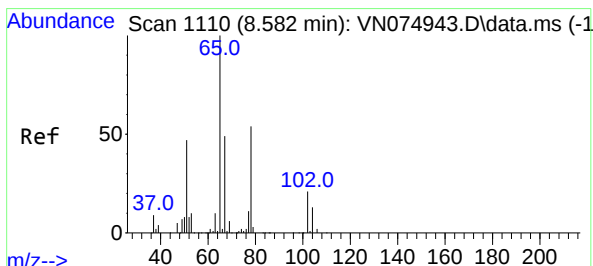
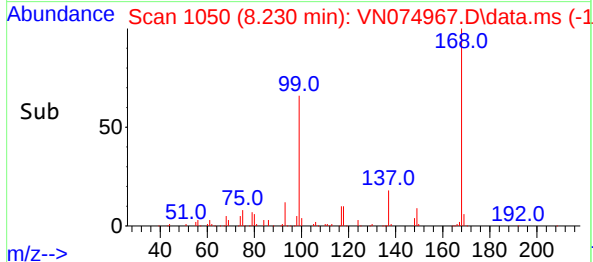
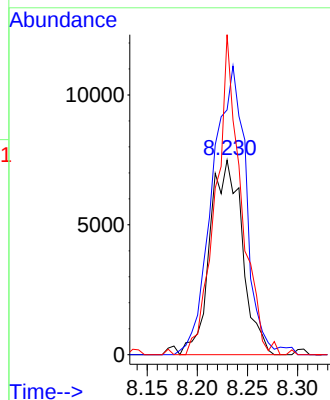
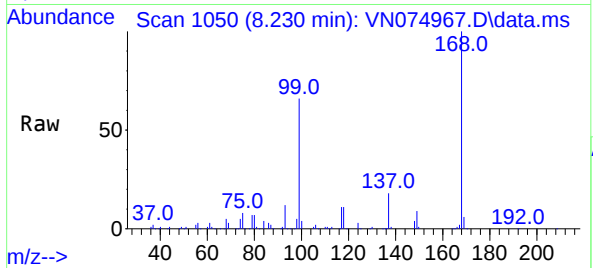




#31
Cyclohexane
Concen: 0.931 ug/l
RT: 8.230 min Scan# 1056
Delta R.T. -0.035 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

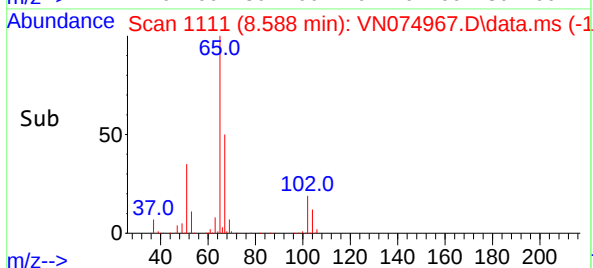
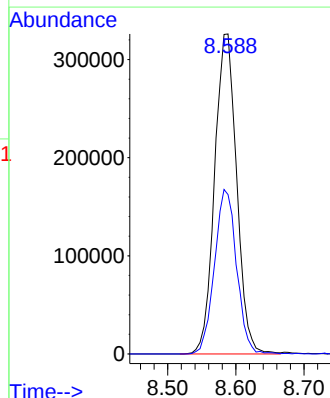
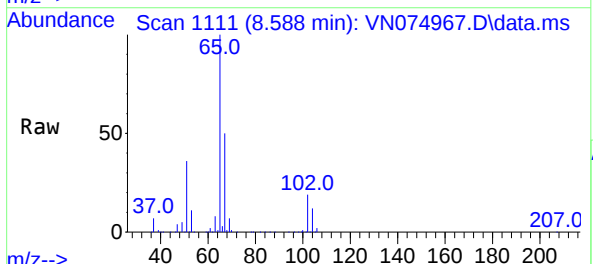
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

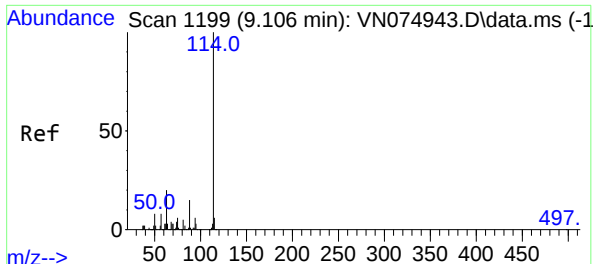
Tgt Ion: 56 Resp: 16826
Ion Ratio Lower Upper
56 100
69 123.5 24.2 36.2#
84 164.4 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 41.459 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 65 Resp: 733374
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.6

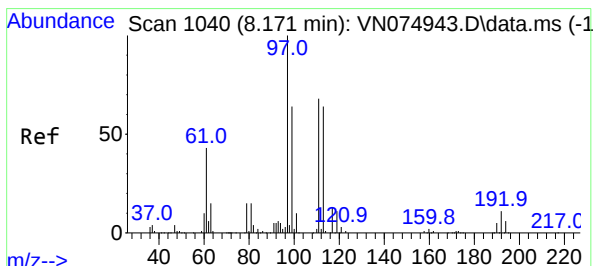
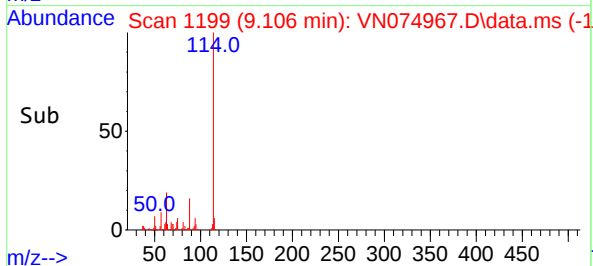
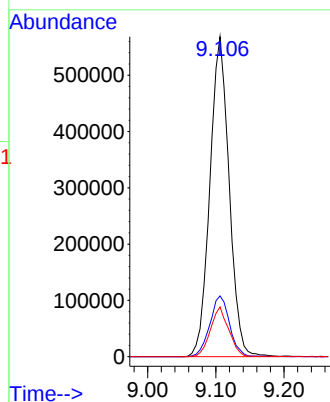
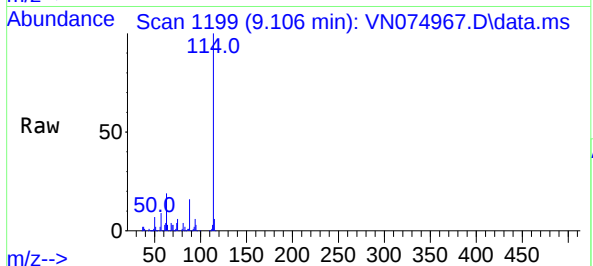




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

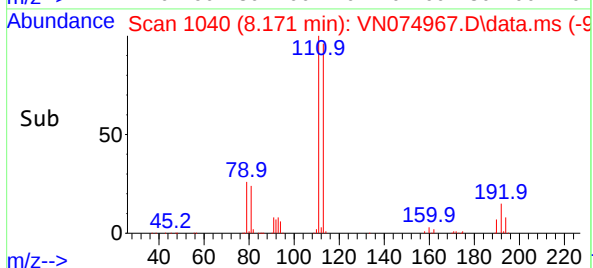
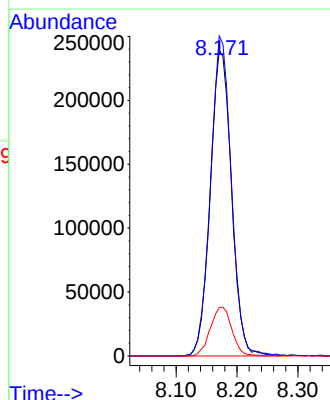
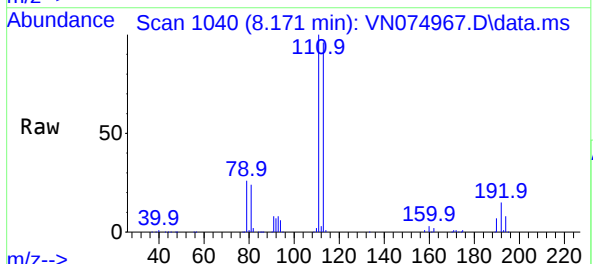
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

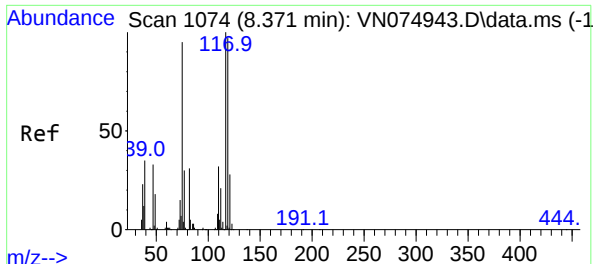
Tgt Ion:114 Resp: 1117553
Ion Ratio Lower Upper
114 100
63 19.0 0.0 39.8
88 15.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.658 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion:113 Resp: 580726
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.2
192 16.1 13.3 19.9

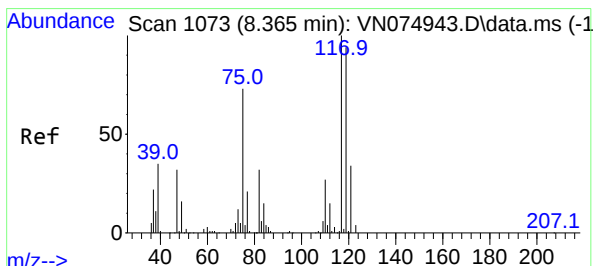
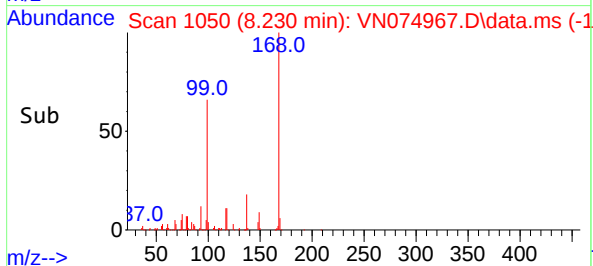
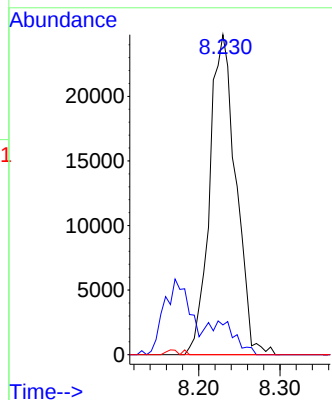
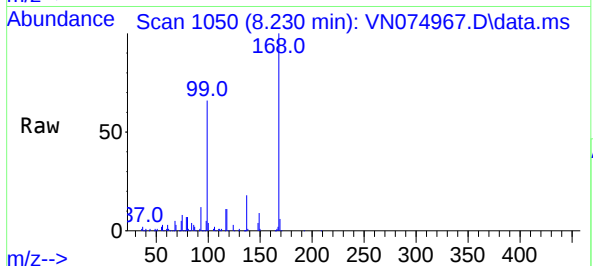




#36
1,1-Dichloropropene
Concen: 3.334 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

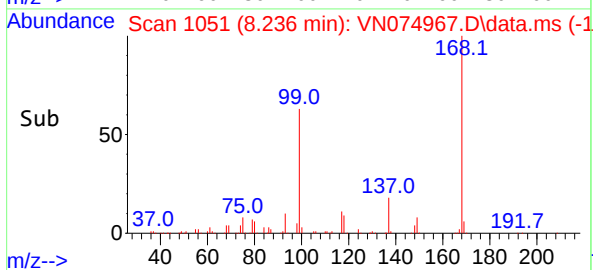
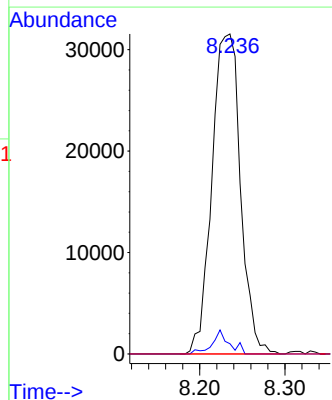
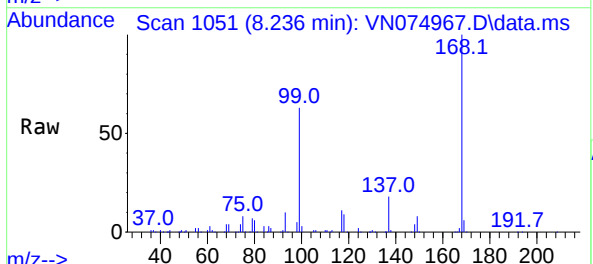
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

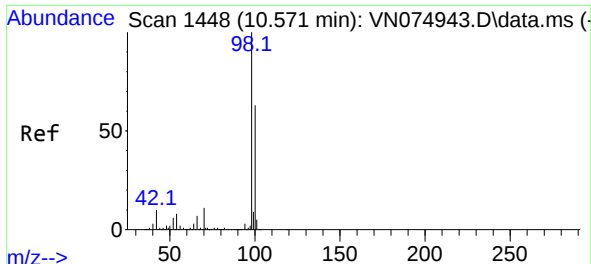
Tgt Ion: 75 Resp: 55847
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.034 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 117 Resp: 73566
Ion Ratio Lower Upper
117 100
119 3.2 75.2 112.8#
121 0.0 27.0 40.6#

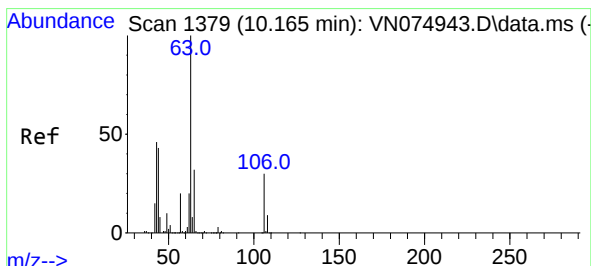
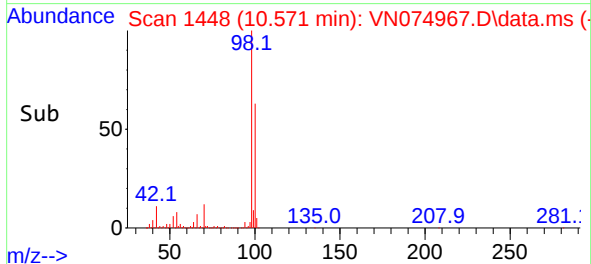
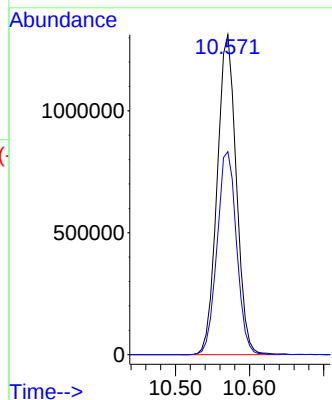
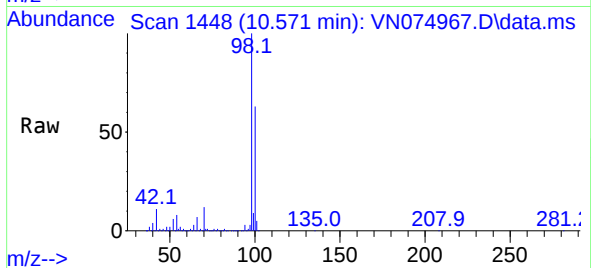




#50
Toluene-d8
Concen: 46.165 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

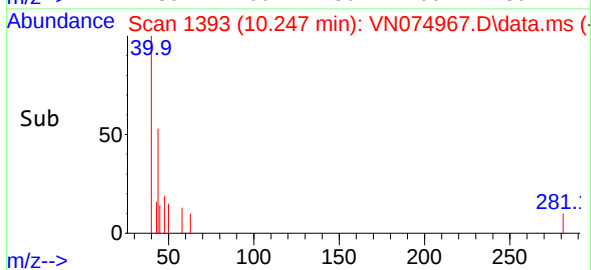
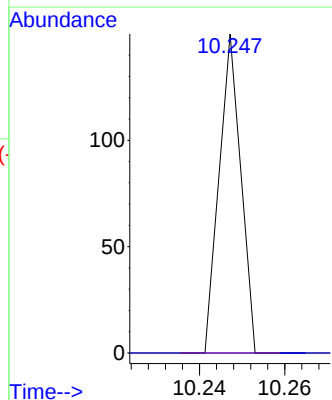
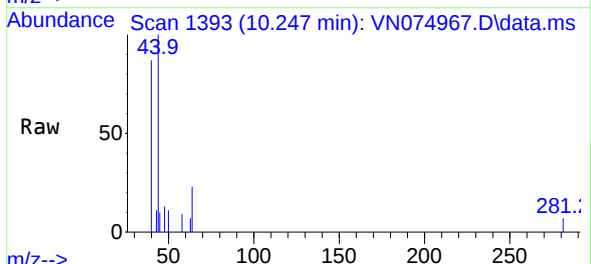
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

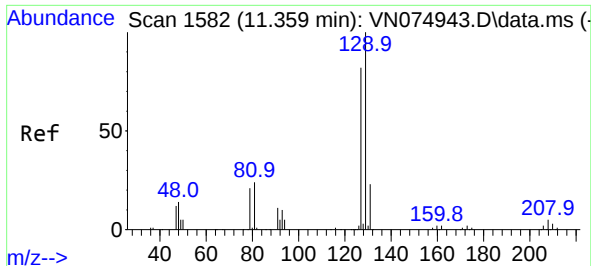
Tgt Ion: 98 Resp: 2356056
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2



#58
2-Chloroethyl Vinyl ether
Concen: 3.614 ug/l
RT: 10.247 min Scan# 1393
Delta R.T. 0.082 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#

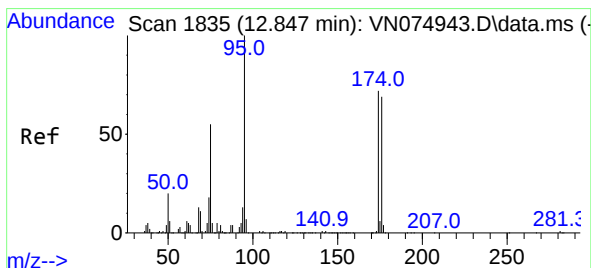
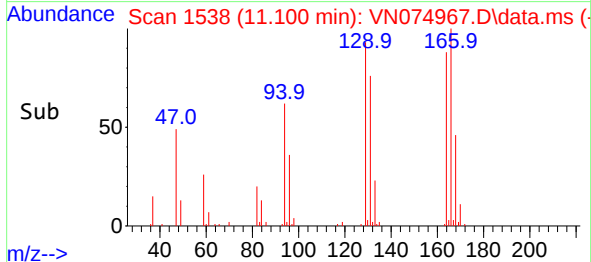
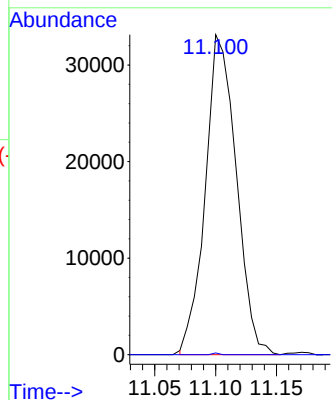
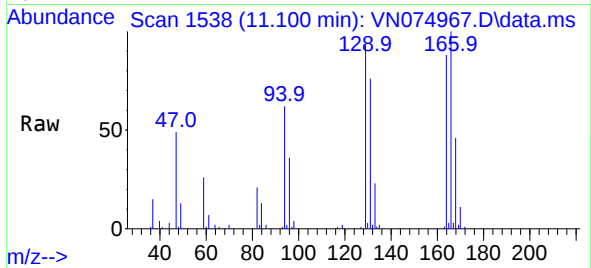




#60
Dibromochloromethane
Concen: 3.956 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

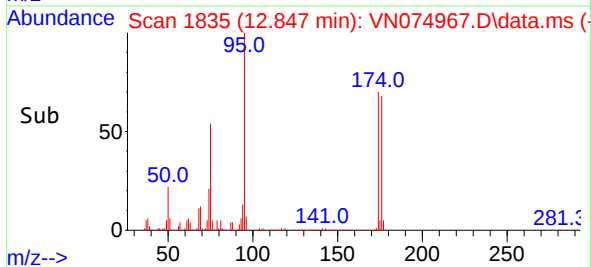
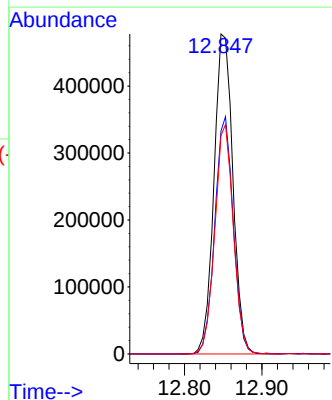
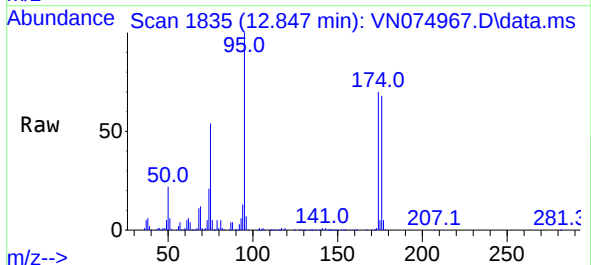
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

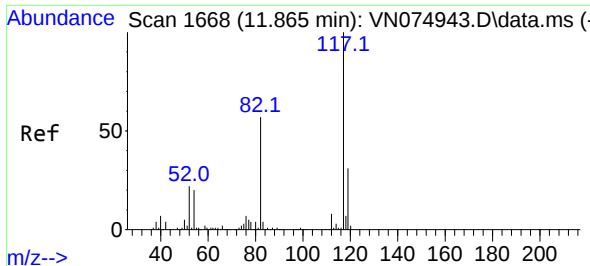
Tgt Ion:129 Resp: 58736
Ion Ratio Lower Upper
129 100
127 0.1 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 44.941 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 95 Resp: 809047
Ion Ratio Lower Upper
95 100
174 72.4 0.0 143.0
176 70.2 0.0 138.2

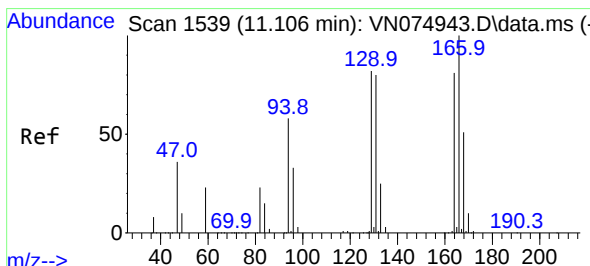
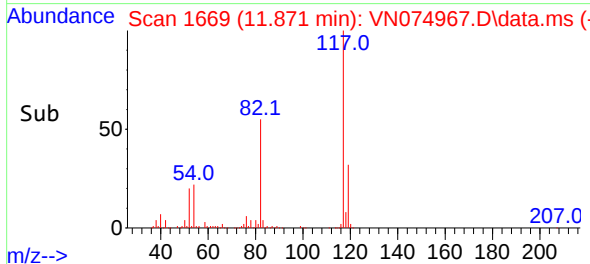
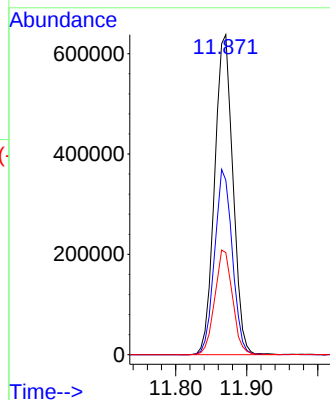
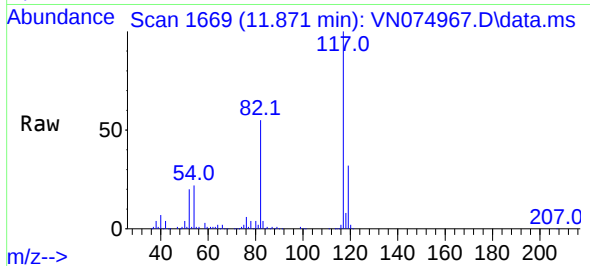




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

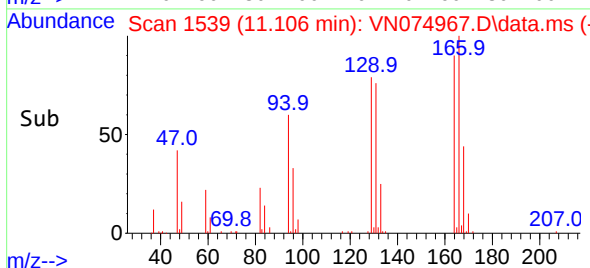
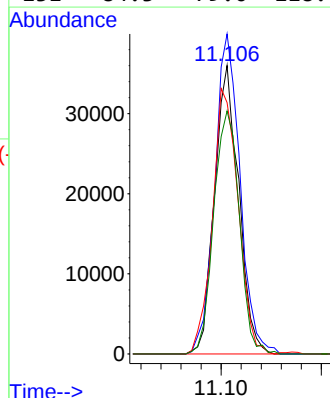
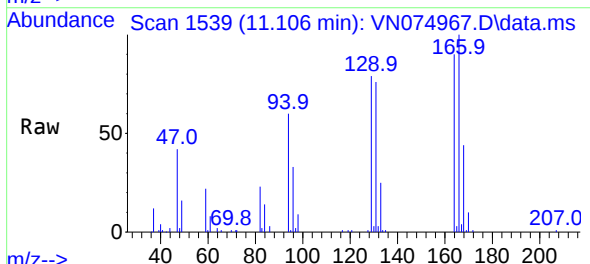
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

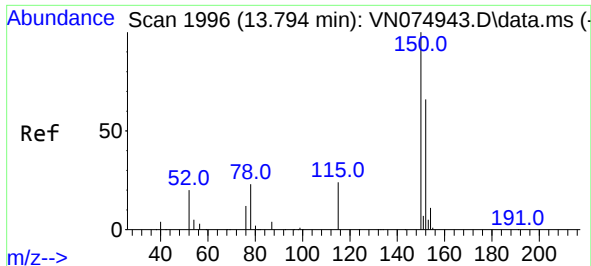
Tgt Ion:117 Resp: 1139536
Ion Ratio Lower Upper
117 100
82 54.6 45.6 68.4
119 31.9 25.1 37.7



#64
Tetrachloroethene
Concen: 6.495 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion:164 Resp: 60527
Ion Ratio Lower Upper
164 100
166 110.9 98.6 148.0
129 87.1 81.2 121.8
131 84.3 79.0 118.6

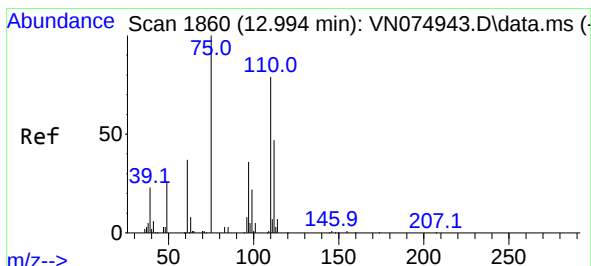
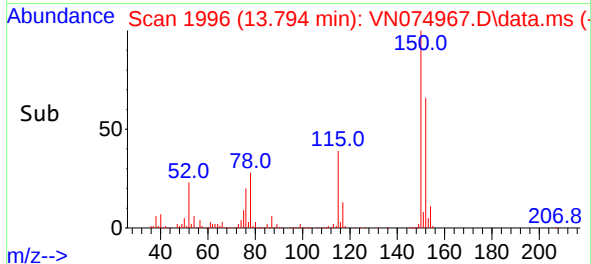
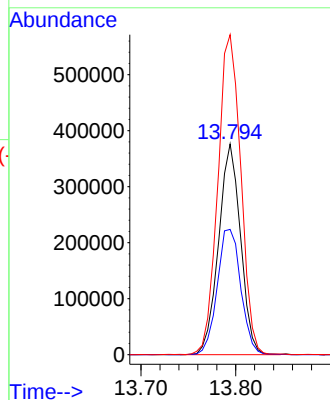
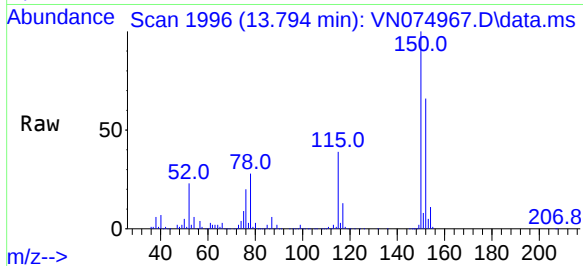




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

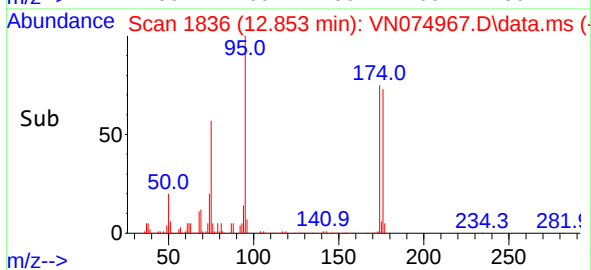
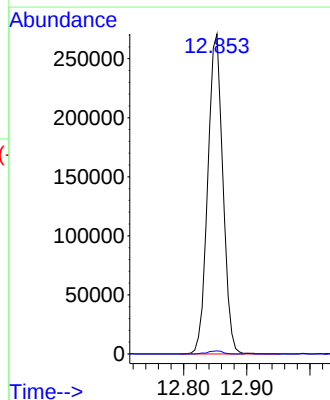
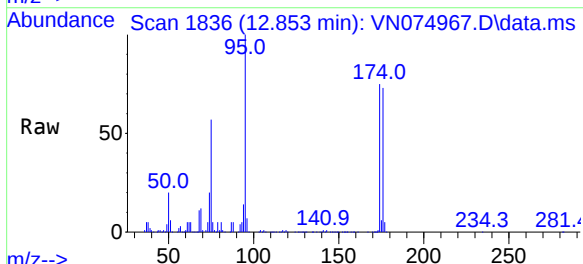
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

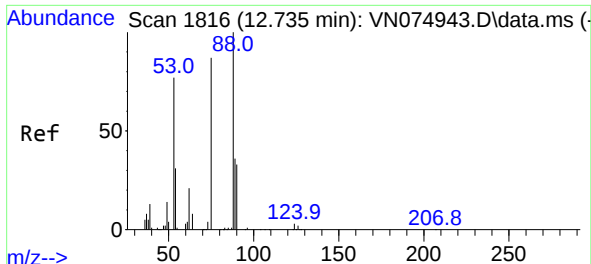
Tgt Ion:152 Resp: 606021
Ion Ratio Lower Upper
152 100
115 64.0 31.3 93.8
150 159.0 0.0 349.6



#76
1,2,3-Trichloropropane
Concen: 27.381 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion: 75 Resp: 449993
Ion Ratio Lower Upper
75 100
77 0.9 81.0 243.0#

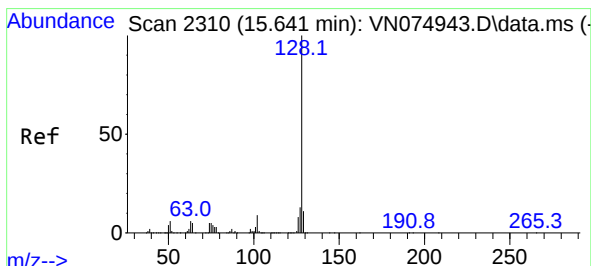
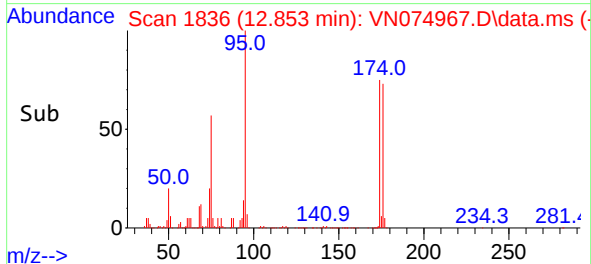
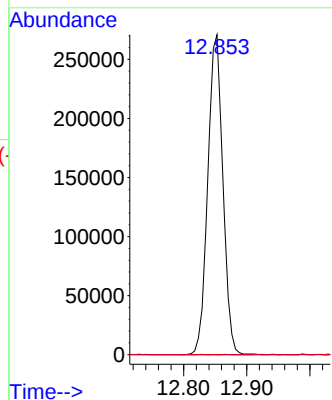
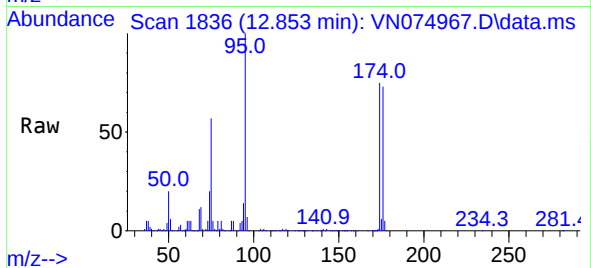




#81
trans-1,4-Dichloro-2-butene
Concen: 87.789 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Instrument :
MSVOA_N
ClientSampleId :
MW-10D

Tgt Ion: 75 Resp: 449993
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 5.294 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074967.D
Acq: 21 Oct 2022 17:24

Tgt Ion:128 Resp: 194905
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 11.3 8.6 12.8

