

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074787.D
 Acq On : 06 Oct 2022 16:40
 Operator : JC\MD
 Sample : N4910-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Oct 06 19:03:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

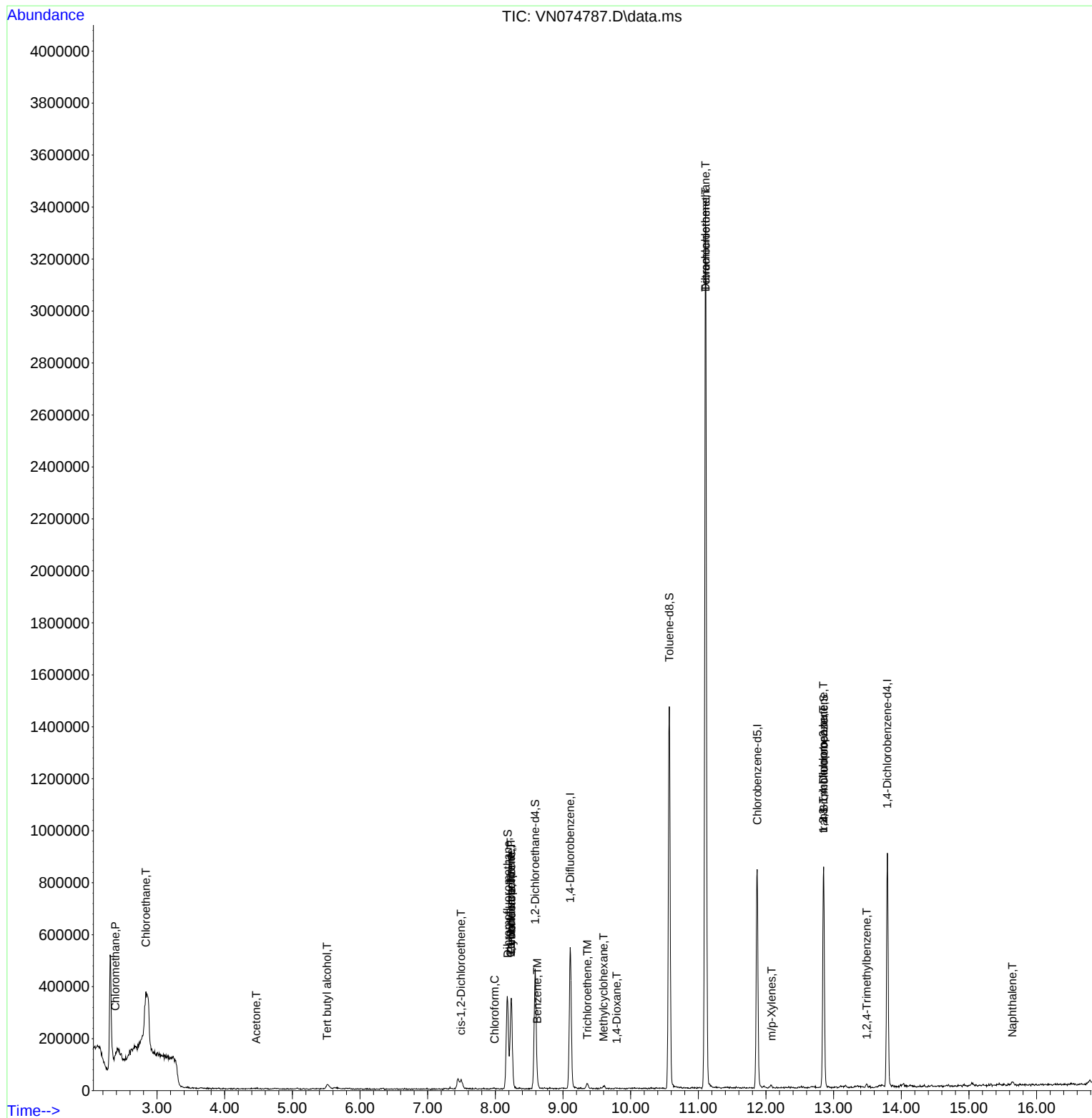
Internal Standards						
1) Pentafluorobenzene	8.235	168	245707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	465735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	473256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	223333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	312350	53.652	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.300%	
35) Dibromofluoromethane	8.183	113	257652	54.755	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.500%	
50) Toluene-d8	10.571	98	1023270	50.679	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.853	95	272906	44.463	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	2147	0.287	ug/l #	78
6) Chloroethane	2.836	64	323198	47.080	ug/l #	56
11) Tert butyl alcohol	5.512	59	16506	8.465	ug/l #	82
13) Acrolein	4.200	56	126	Below Cal	#	1
16) Acetone	4.465	43	1196	0.363	ug/l #	44
20) Methylene Chloride	5.295	84	617	Below Cal	#	22
27) cis-1,2-Dichloroethene	7.494	96	14925	2.458	ug/l	92
30) Chloroform	7.988	83	3394	0.345	ug/l #	77
31) Cyclohexane	8.235	56	9179	0.912	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	23931	3.142	ug/l #	45
38) Carbon Tetrachloride	8.230	117	26168	3.643	ug/l #	15
39) Methylcyclohexane	9.600	83	4057	0.411	ug/l	92
40) Benzene	8.618	78	7041	0.286	ug/l	95
44) Trichloroethene	9.359	130	6679	1.301	ug/l	90
49) 1,4-Dioxane	9.794	88	65	0.387	ug/l #	1
60) Dibromochloromethane	11.106	129	682068	116.253	ug/l #	10
64) Tetrachloroethene	11.106	164	688627	179.243	ug/l	99
68) m/p-Xylenes	12.082	106	3466	0.342	ug/l	86
75) 1,1,2,2-Tetrachloroethane	12.935	83	115	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.847	75	157612	23.645	ug/l #	1
77) Bromobenzene	13.165	156	109	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	157612	46.068	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	6981	0.403	ug/l	86
95) Naphthalene	15.641	128	14248	0.918	ug/l #	89

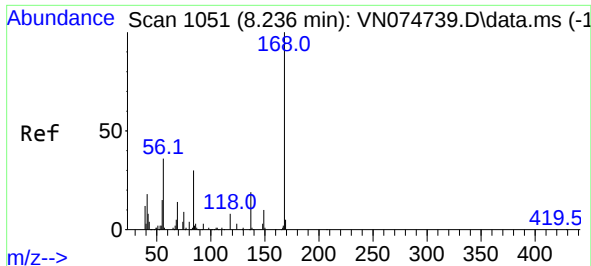
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

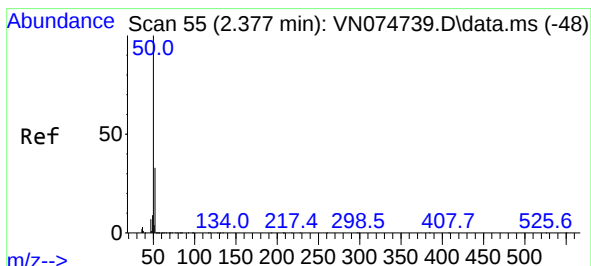
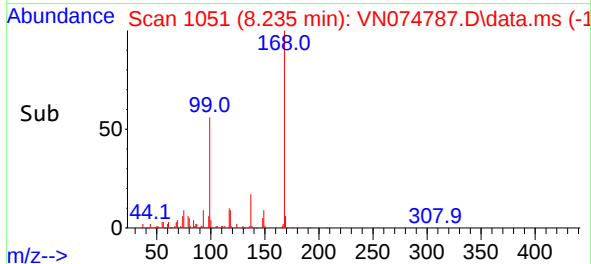
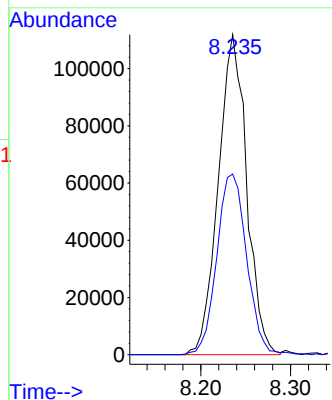
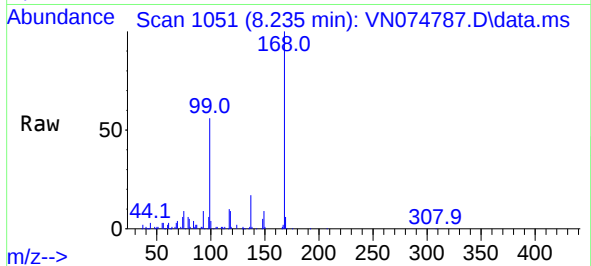




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

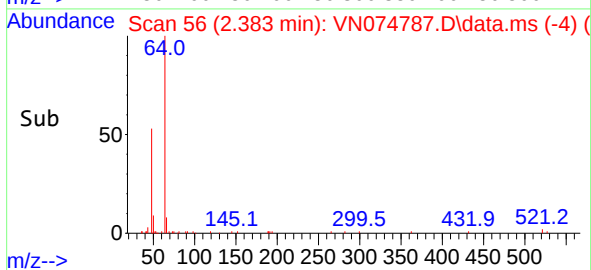
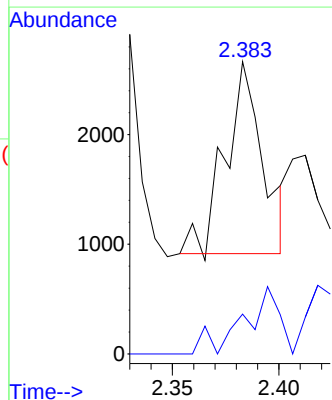
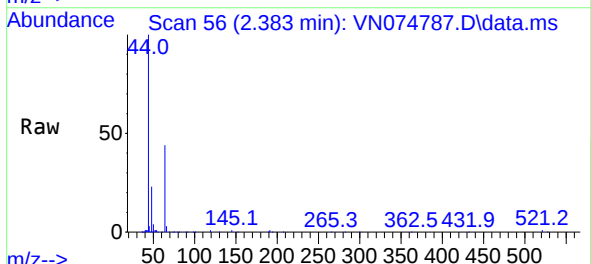
Instrument :
MSVOA_N
ClientSampleId :
MW-1

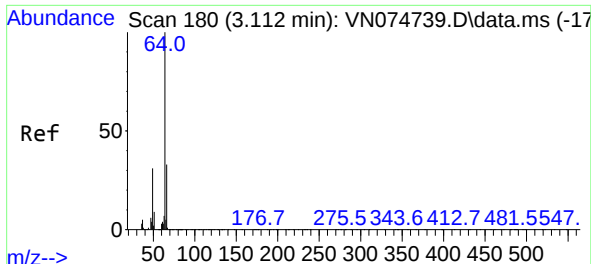
Tgt Ion:168 Resp: 245707
Ion Ratio Lower Upper
168 100
99 56.5 42.8 64.2



#3
Chloromethane
Concen: 0.287 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 50 Resp: 2147
Ion Ratio Lower Upper
50 100
52 20.7 26.7 40.1#

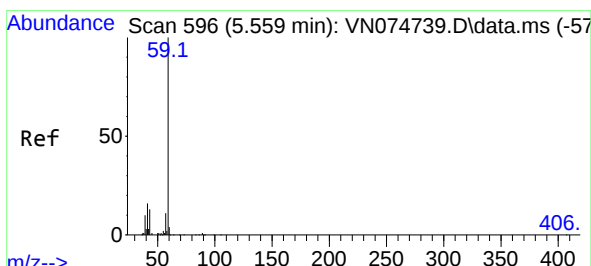
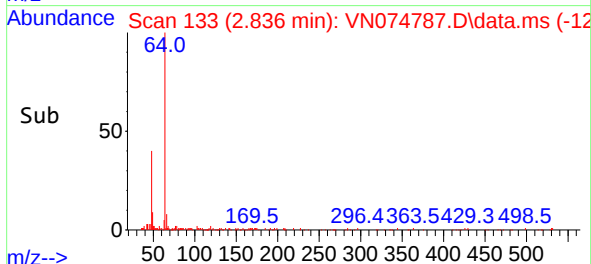
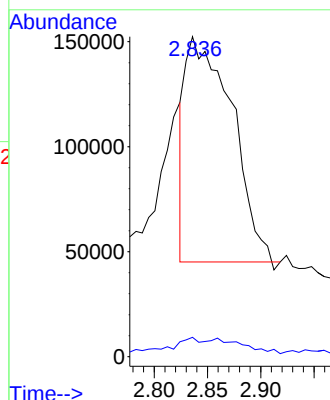
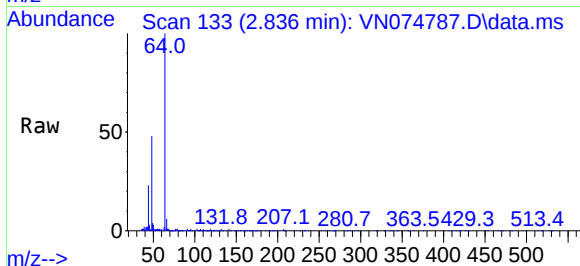




#6
Chloroethane
Concen: 47.080 ug/l
RT: 2.836 min Scan# 11
Delta R.T. -0.277 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

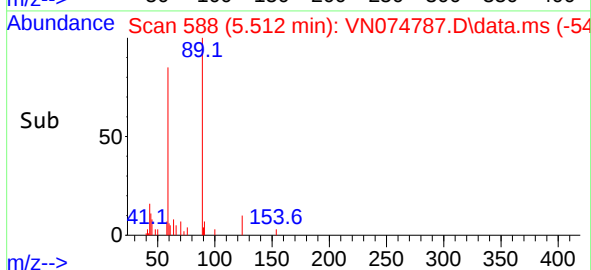
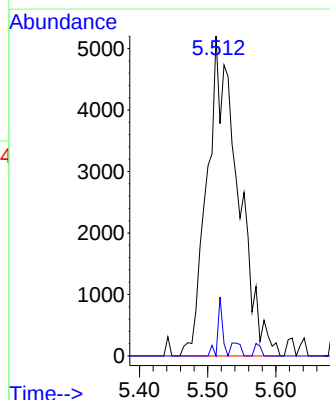
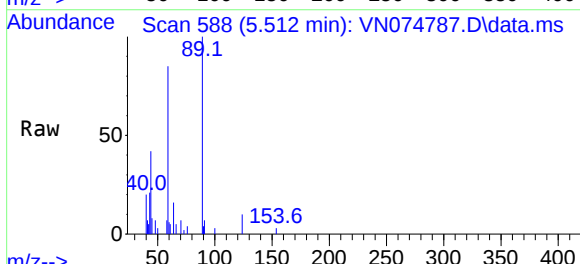
Instrument :
MSVOA_N
ClientSampleId :
MW-1

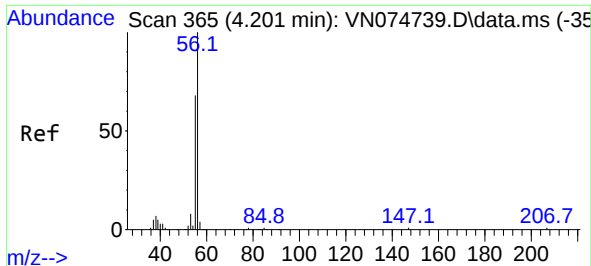
Tgt Ion: 64 Resp: 323198
Ion Ratio Lower Upper
64 100
66 7.2 25.1 37.7#



#11
Tert butyl alcohol
Concen: 8.465 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.047 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 59 Resp: 16506
Ion Ratio Lower Upper
59 100
57 2.8 7.7 11.5#

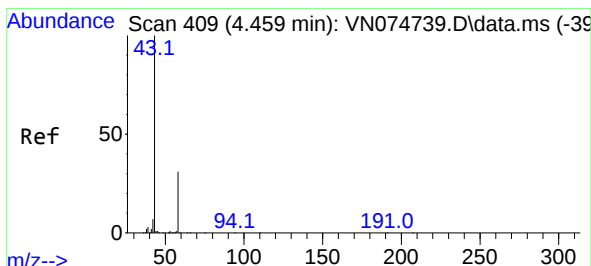
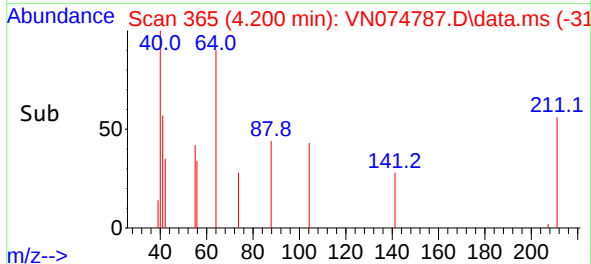
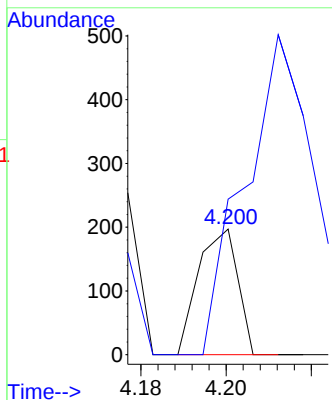
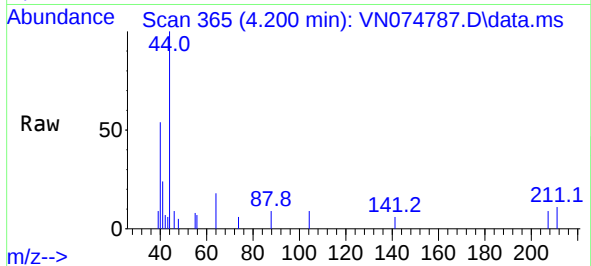




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 30
Delta R.T. -0.001 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

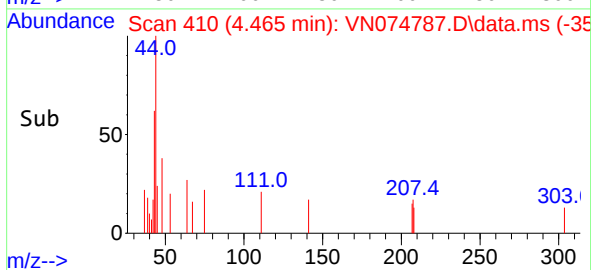
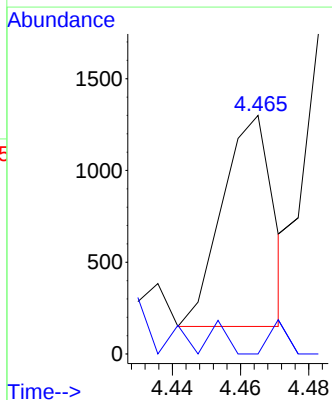
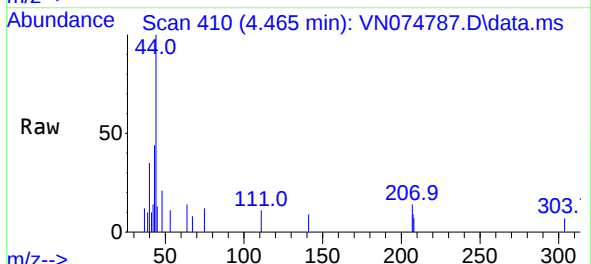
Instrument :
MSVOA_N
ClientSampleId :
MW-1

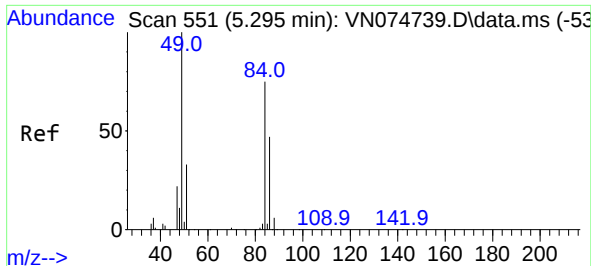
Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 484.1 54.9 82.3#



#16
Acetone
Concen: 0.363 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

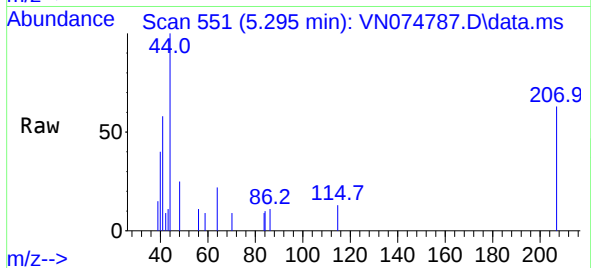
Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#



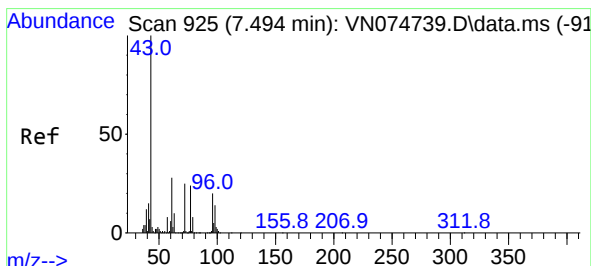
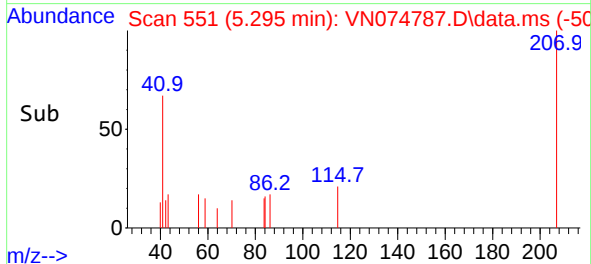
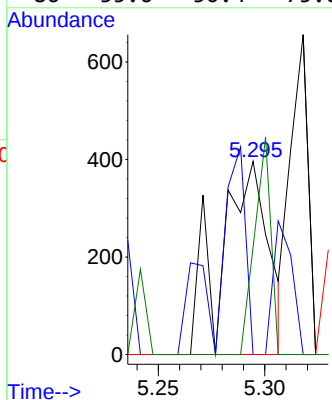


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Instrument :
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ClientSampleId :
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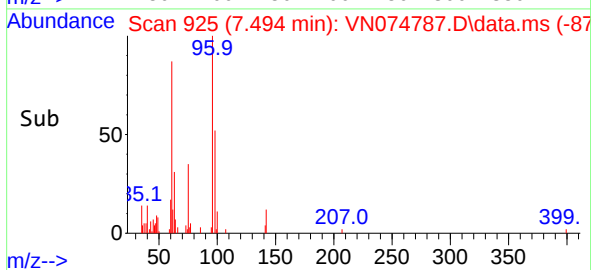
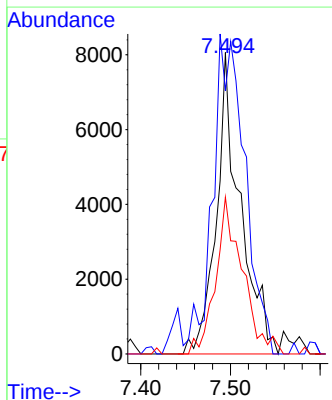
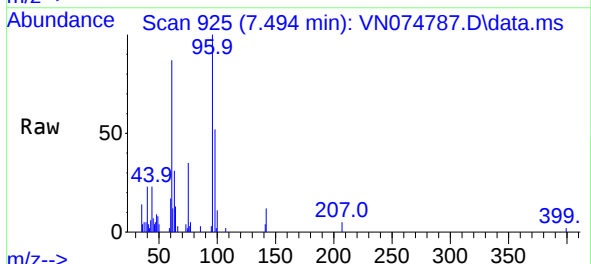


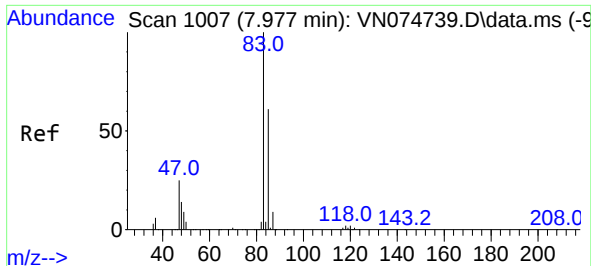
Tgt Ion: 84 Resp: 617
Ion Ratio Lower Upper
84 100
49 0.0 107.4 161.0#
51 0.0 35.1 52.7#
86 55.6 50.4 75.6



#27
cis-1,2-Dichloroethene
Concen: 2.458 ug/l
RT: 7.494 min Scan# 925
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 96 Resp: 14925
Ion Ratio Lower Upper
96 100
61 142.2 0.0 303.2
98 58.3 0.0 131.0

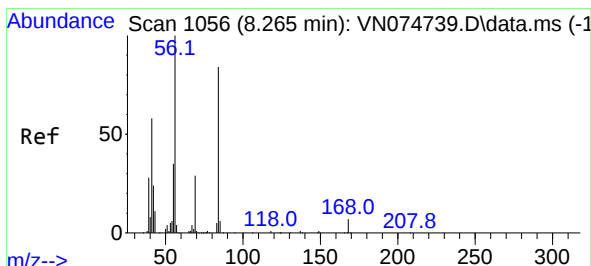
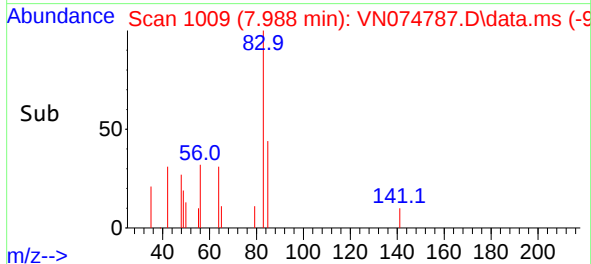
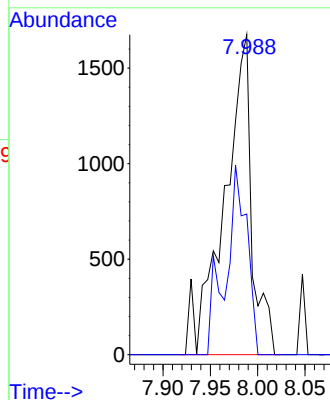
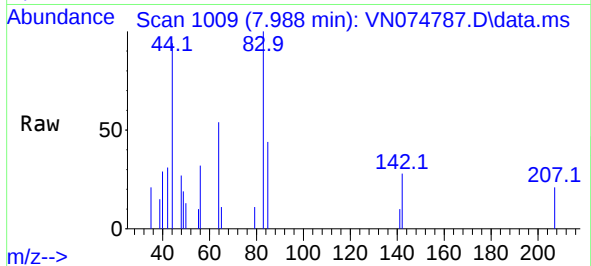




#30
Chloroform
Concen: 0.345 ug/l
RT: 7.988 min Scan# 1009
Delta R.T. 0.012 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

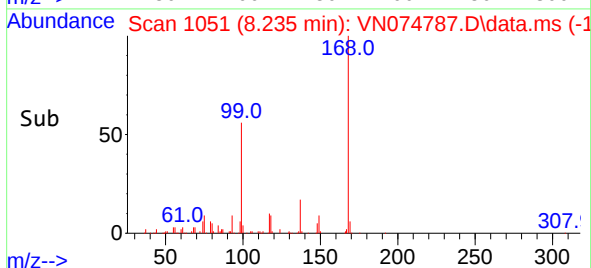
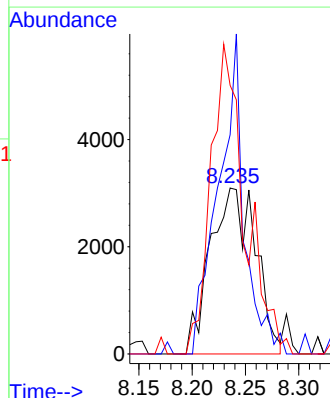
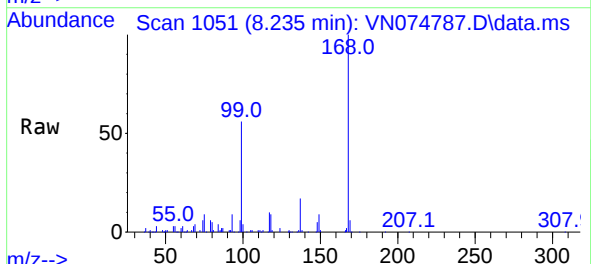
Instrument :
MSVOA_N
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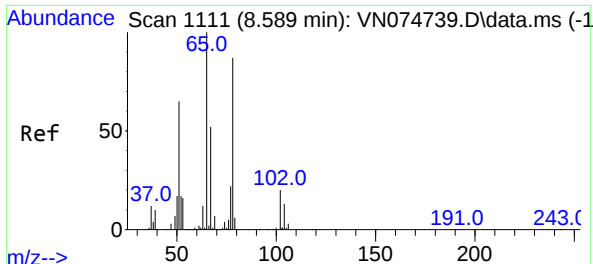
Tgt Ion: 83 Resp: 3394
Ion Ratio Lower Upper
83 100
85 43.9 49.0 73.4#



#31
Cyclohexane
Concen: 0.912 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 56 Resp: 9179
Ion Ratio Lower Upper
56 100
69 132.1 23.1 34.7#
84 161.9 67.1 100.7#

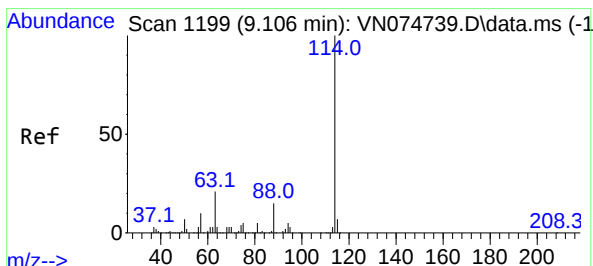
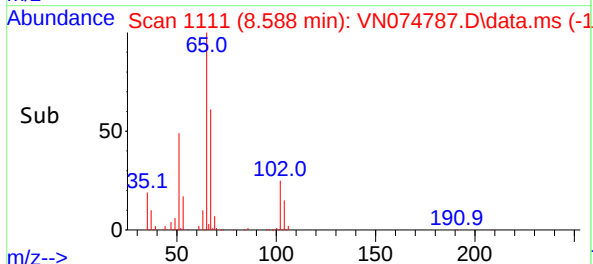
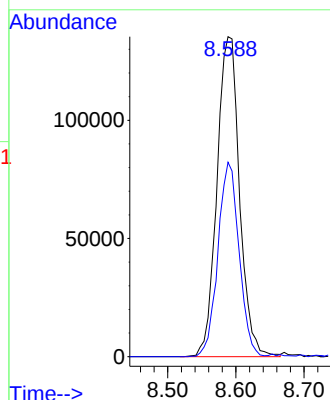
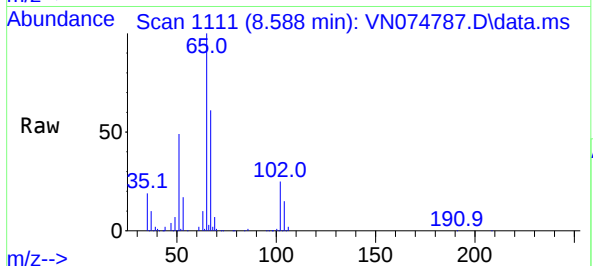




#33
1,2-Dichloroethane-d4
Concen: 53.652 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

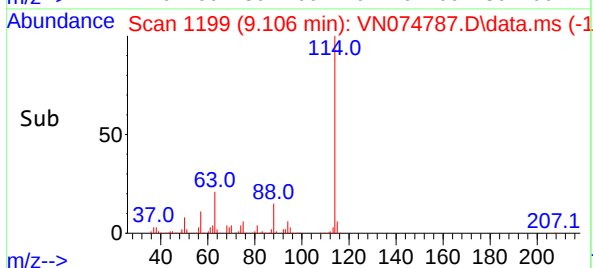
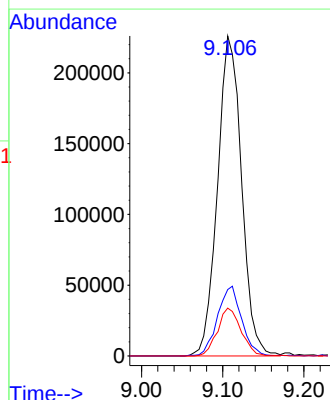
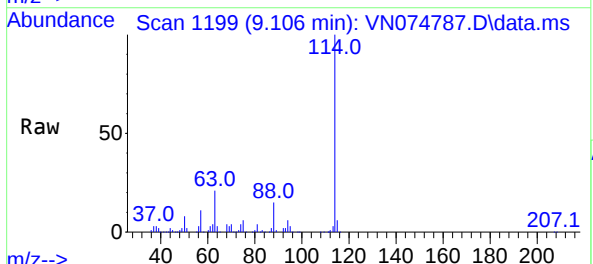
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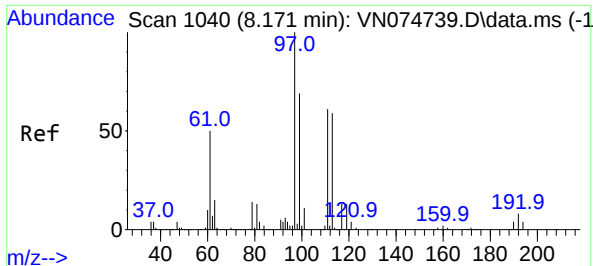
Tgt Ion: 65 Resp: 312350
Ion Ratio Lower Upper
65 100
67 56.8 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 114 Resp: 465735
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.2
88 15.0 0.0 30.2

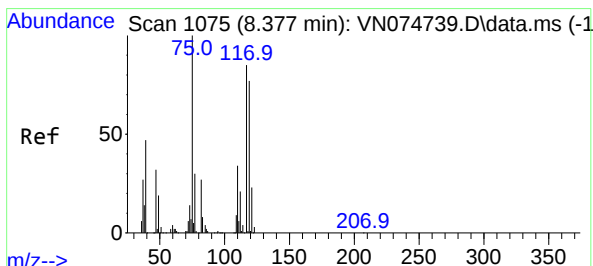
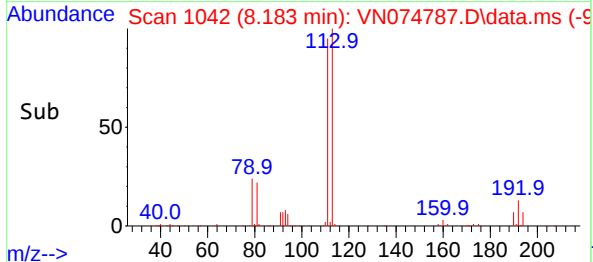
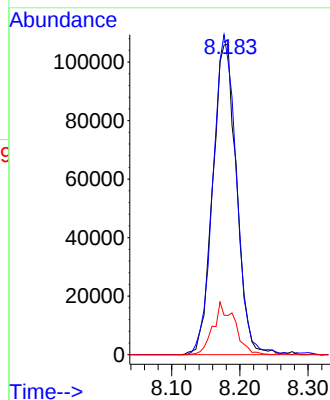
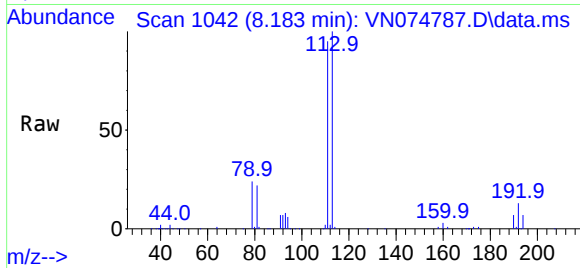




#35
Dibromofluoromethane
Concen: 54.755 ug/l
RT: 8.183 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

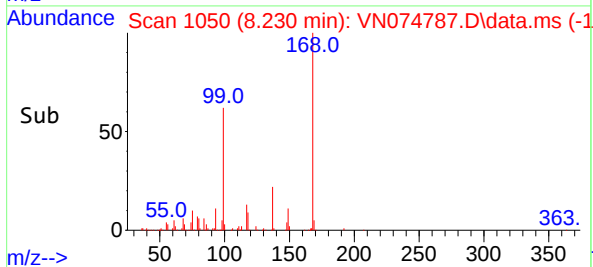
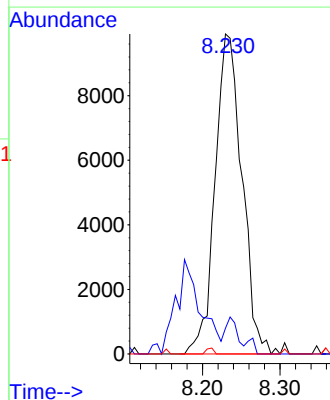
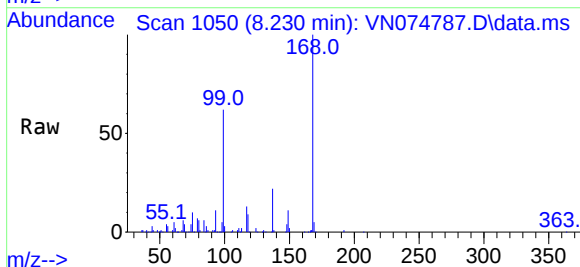
Instrument :
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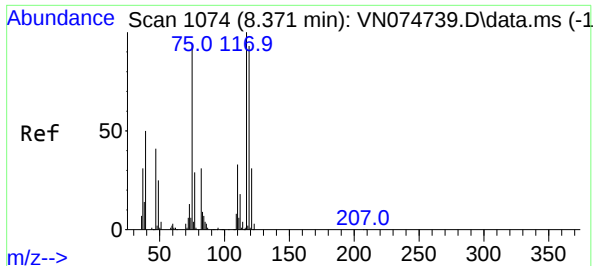
Tgt Ion:113 Resp: 257652
Ion Ratio Lower Upper
113 100
111 101.5 83.0 124.6
192 15.4 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.142 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 75 Resp: 23931
Ion Ratio Lower Upper
75 100
110 3.6 17.2 51.5#
77 0.0 24.3 36.5#

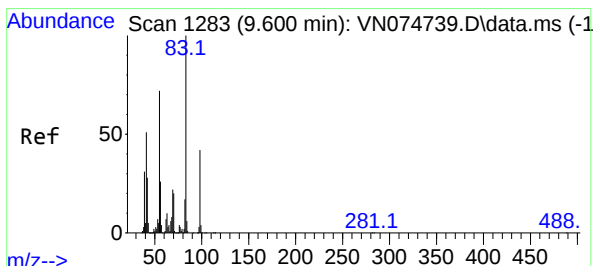
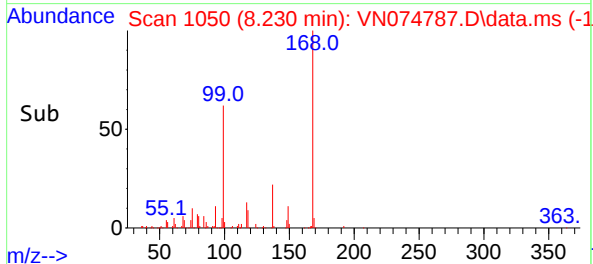
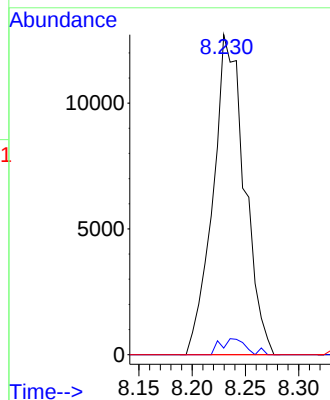
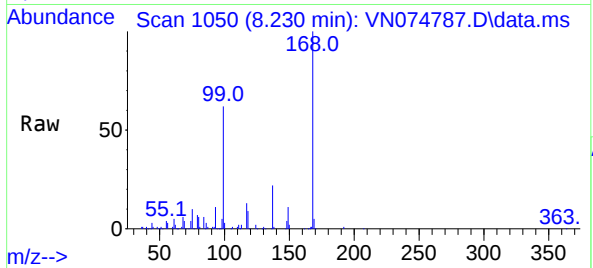




#38
Carbon Tetrachloride
Concen: 3.643 ug/l
RT: 8.230 min Scan# 1074
Delta R.T. -0.141 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

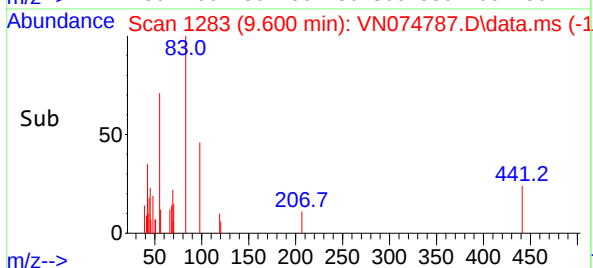
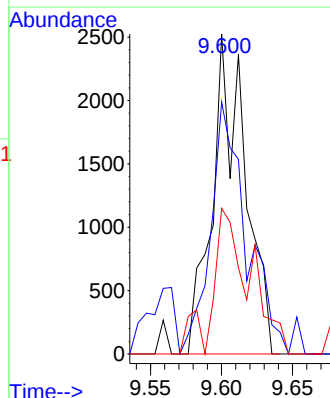
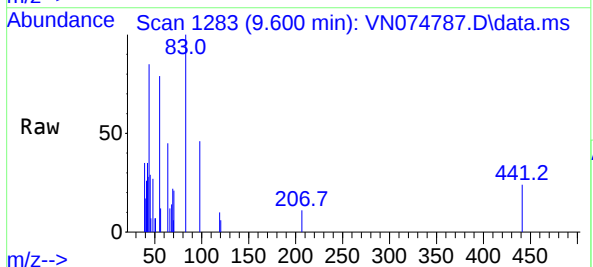
Instrument :
MSVOA_N
ClientSampleId :
MW-1

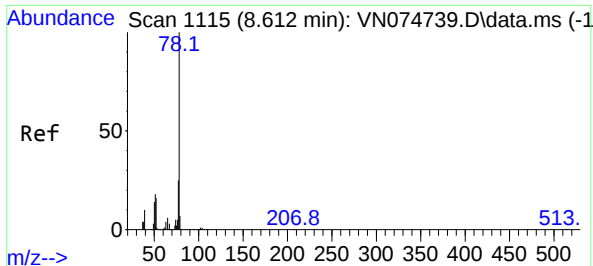
Tgt Ion:117 Resp: 26168
Ion Ratio Lower Upper
117 100
119 2.1 74.3 111.5#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 0.411 ug/l
RT: 9.600 min Scan# 1283
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 83 Resp: 4057
Ion Ratio Lower Upper
83 100
55 78.7 57.3 85.9
98 45.5 33.4 50.2

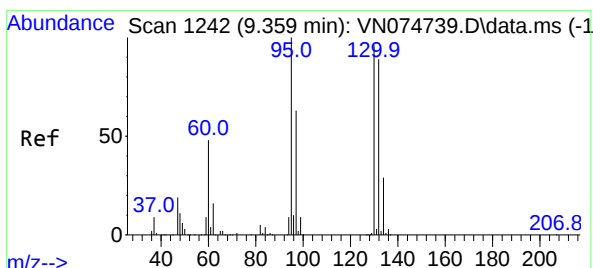
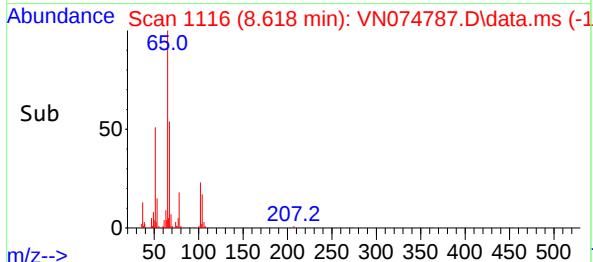
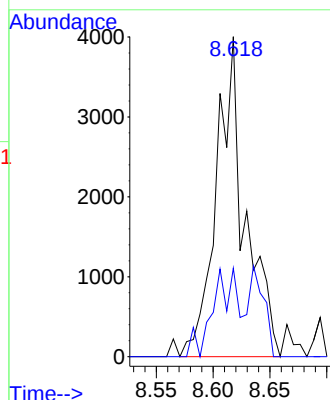
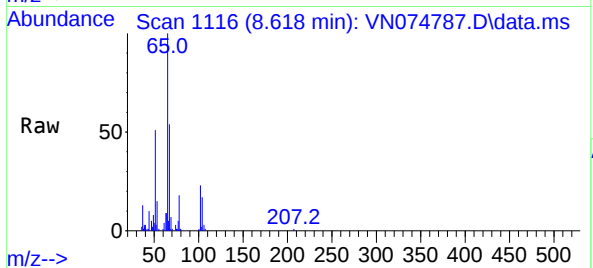




#40
Benzene
Concen: 0.286 ug/l
RT: 8.618 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

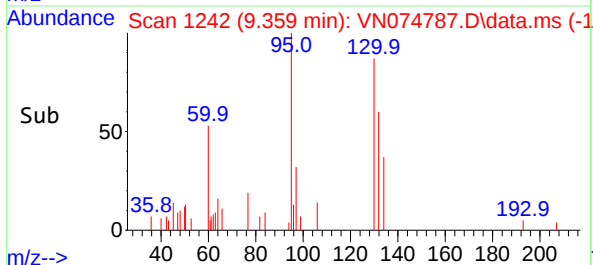
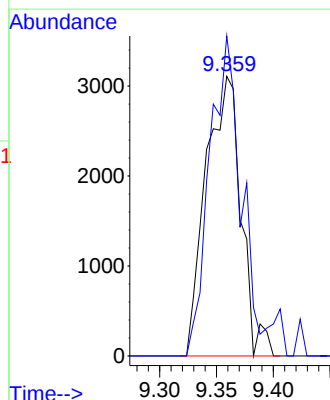
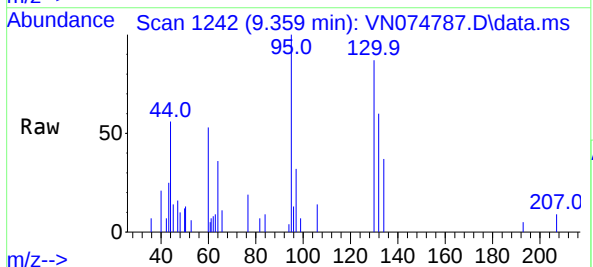
Instrument :
MSVOA_N
ClientSampleId :
MW-1

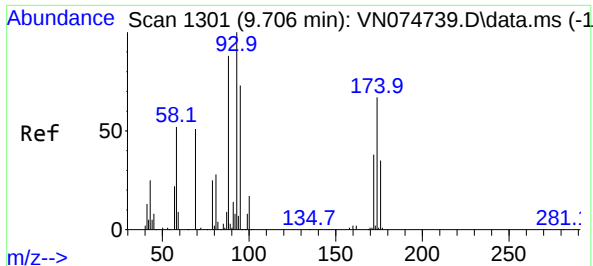
Tgt Ion: 78 Resp: 7041
Ion Ratio Lower Upper
78 100
77 27.7 20.1 30.1



#44
Trichloroethene
Concen: 1.301 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion:130 Resp: 6679
Ion Ratio Lower Upper
130 100
95 114.4 0.0 207.6

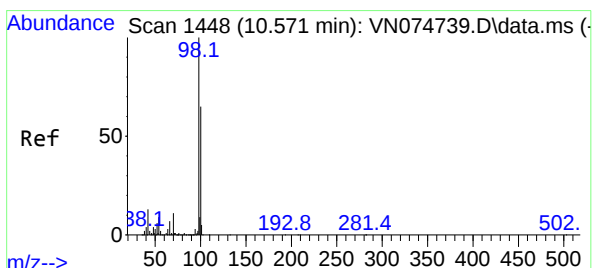
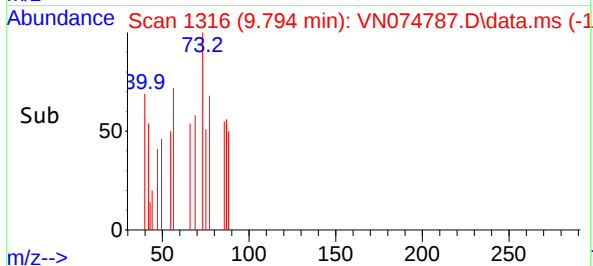
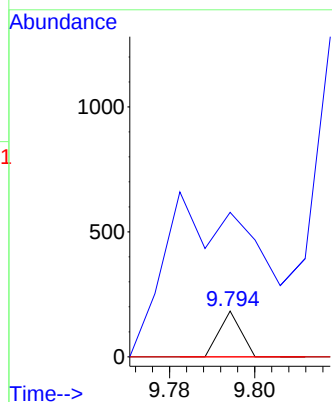
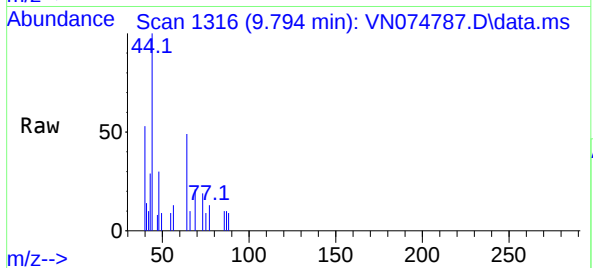




#49
1,4-Dioxane
Concen: 0.387 ug/l
RT: 9.794 min Scan# 11
Delta R.T. 0.088 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

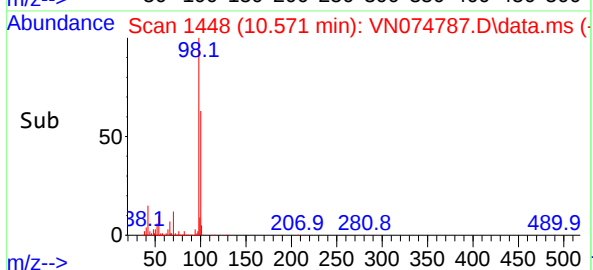
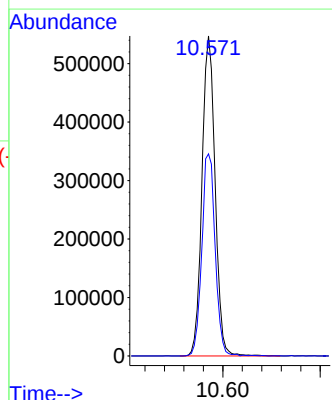
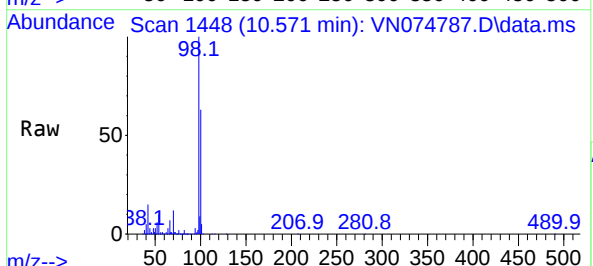
Instrument :
MSVOA_N
ClientSampleId :
MW-1

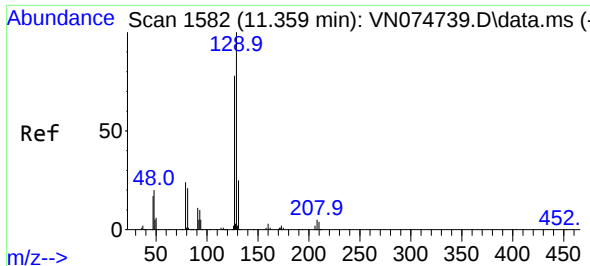
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 1452.3 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 50.679 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 98 Resp: 1023270
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1

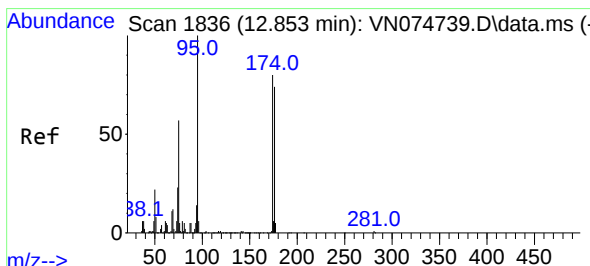
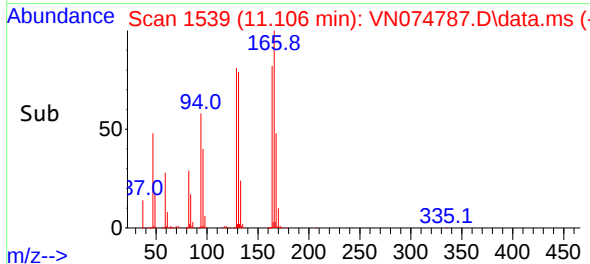
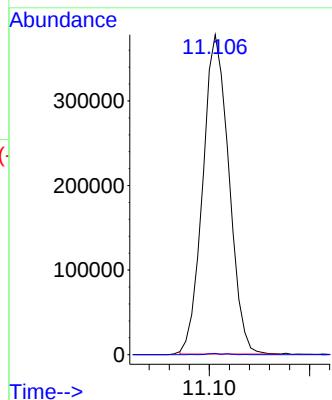
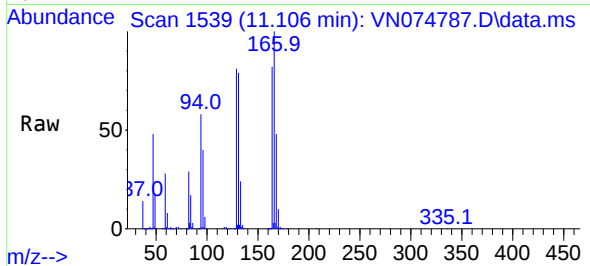




#60
Dibromochloromethane
Concen: 116.253 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

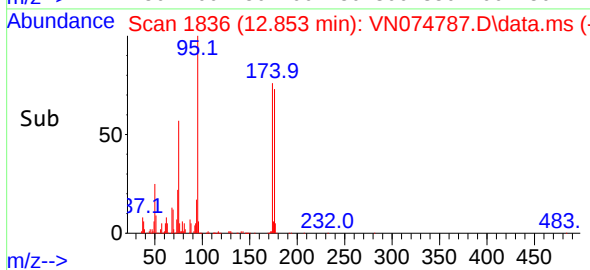
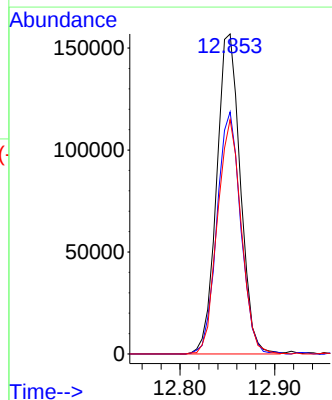
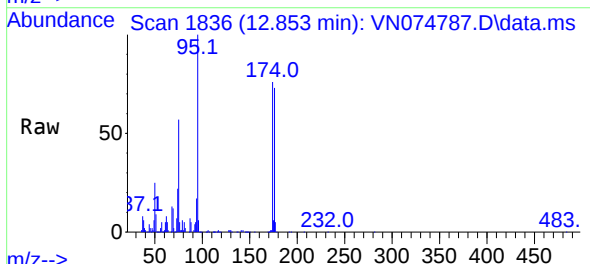
Instrument :
MSVOA_N
ClientSampleId :
MW-1

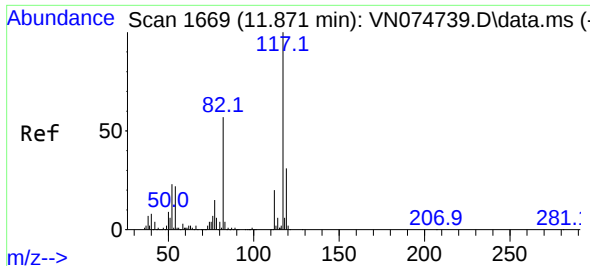
Tgt Ion:129 Resp: 682068
Ion Ratio Lower Upper
129 100
127 0.3 39.5 118.3#



#62
4-Bromofluorobenzene
Concen: 44.463 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 95 Resp: 272906
Ion Ratio Lower Upper
95 100
174 75.8 0.0 149.4
176 73.6 0.0 142.0

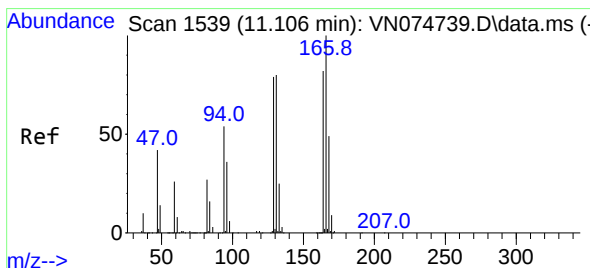
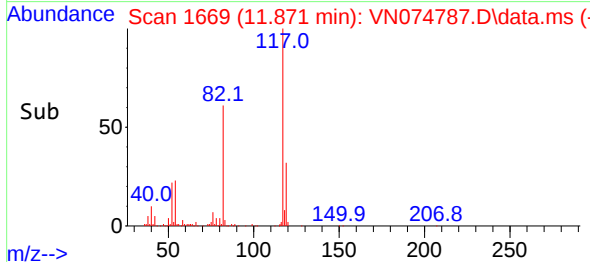
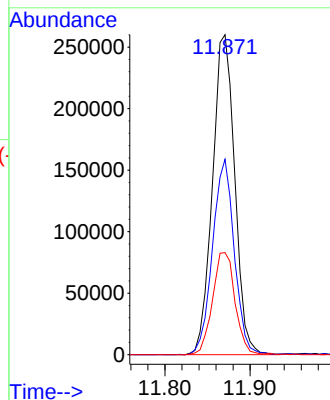
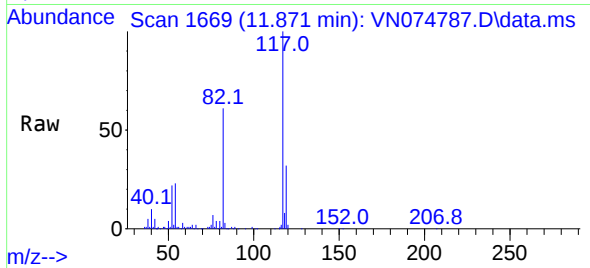




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

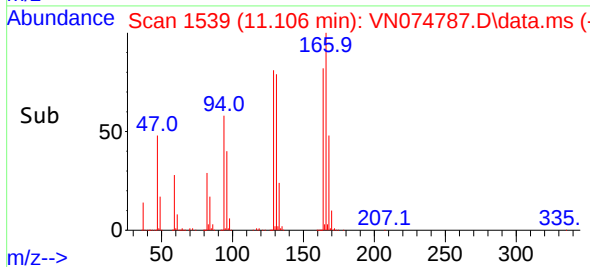
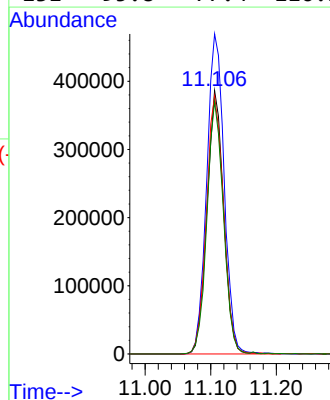
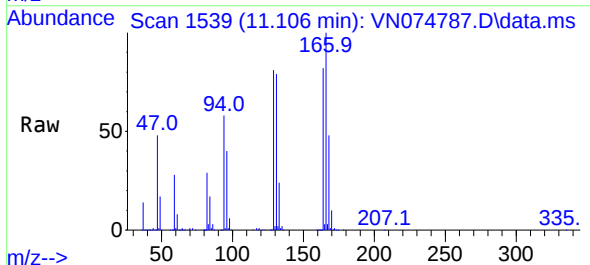
Instrument :
MSVOA_N
ClientSampleId :
MW-1

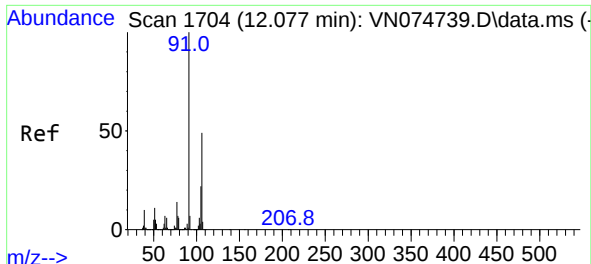
Tgt Ion:117 Resp: 473256
Ion Ratio Lower Upper
117 100
82 61.0 45.4 68.2
119 31.9 25.1 37.7



#64
Tetrachloroethene
Concen: 179.243 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion:164 Resp: 688627
Ion Ratio Lower Upper
164 100
166 121.5 97.0 145.6
129 98.0 77.0 115.6
131 95.8 77.4 116.2

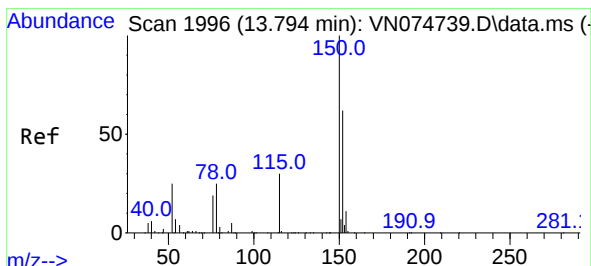
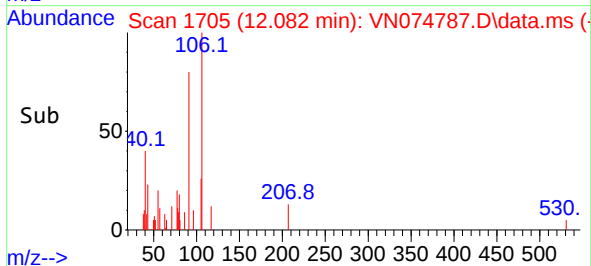
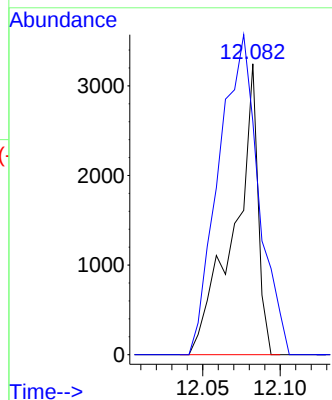
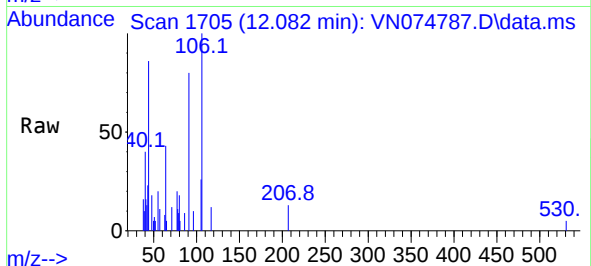




#68
m/p-Xylenes
Concen: 0.342 ug/l
RT: 12.082 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

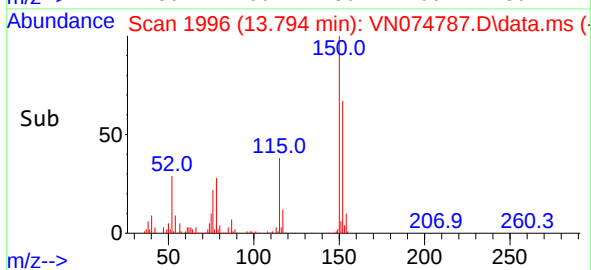
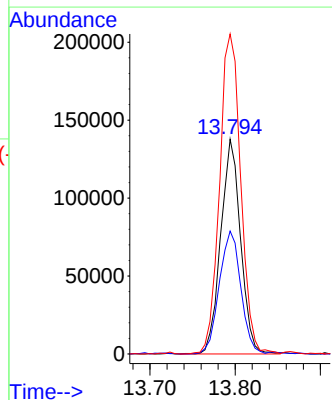
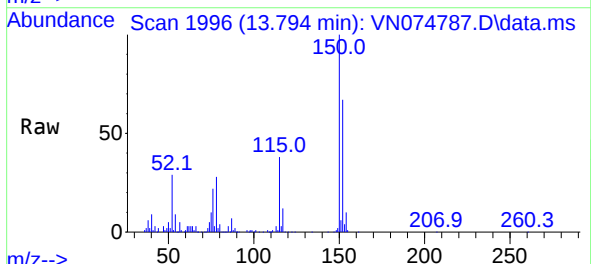
Instrument :
MSVOA_N
ClientSampleId :
MW-1

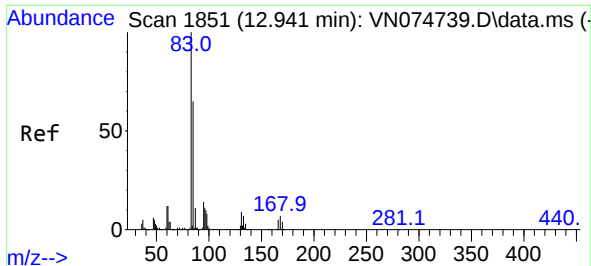
Tgt Ion:106 Resp: 3466
Ion Ratio Lower Upper
106 100
91 184.3 164.2 246.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion:152 Resp: 223333
Ion Ratio Lower Upper
152 100
115 61.9 30.0 90.0
150 158.9 0.0 356.4

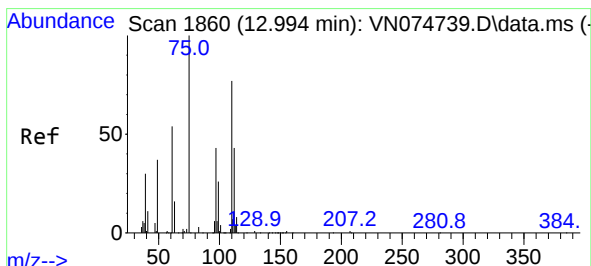
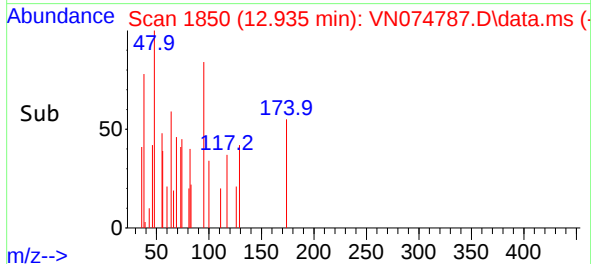
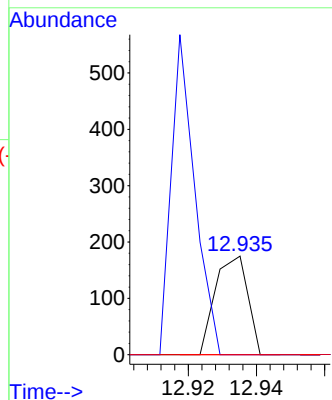
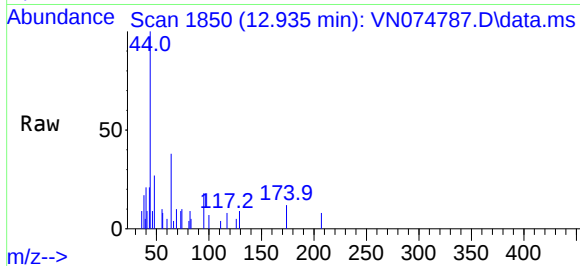




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

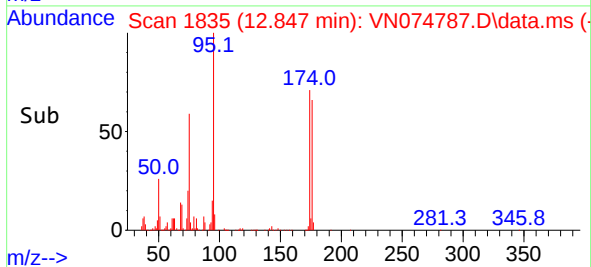
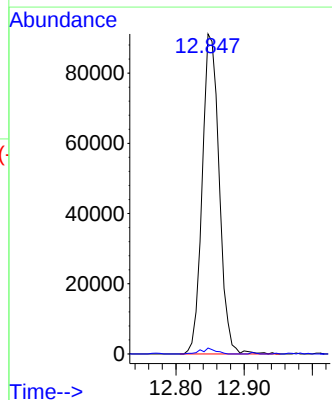
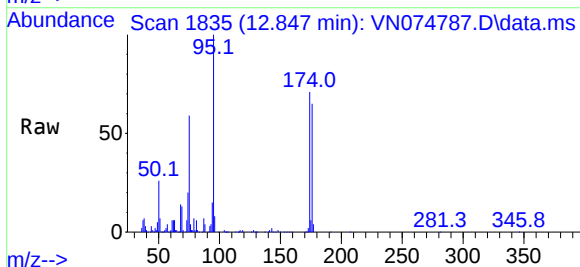
Instrument :
MSVOA_N
ClientSampleId :
MW-1

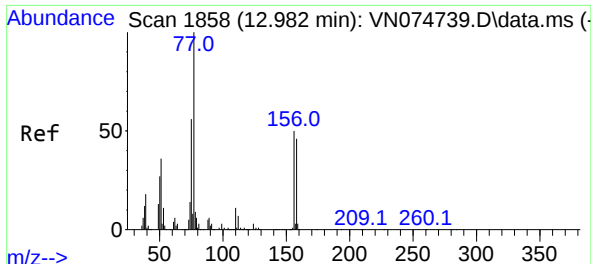
Tgt Ion: 83 Resp: 115
Ion Ratio Lower Upper
83 100
131 235.7 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 23.645 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 75 Resp: 157612
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#

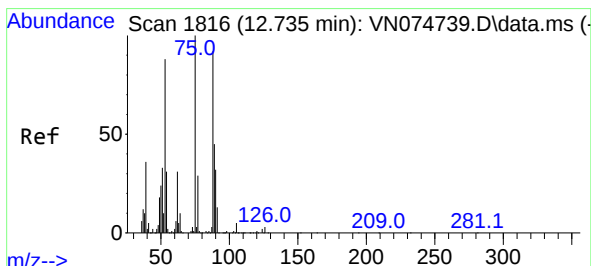
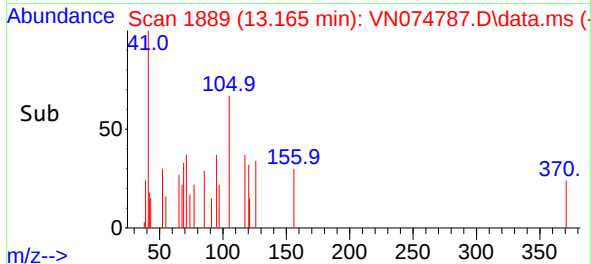
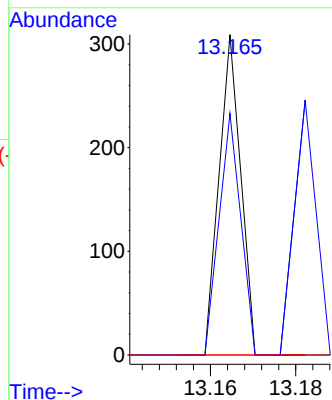
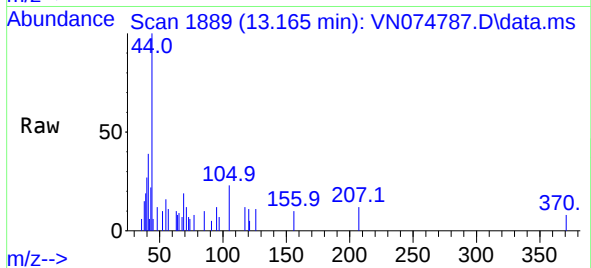




#77
Bromobenzene
Concen: Below Cal
RT: 13.165 min Scan# 1889
Delta R.T. 0.183 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

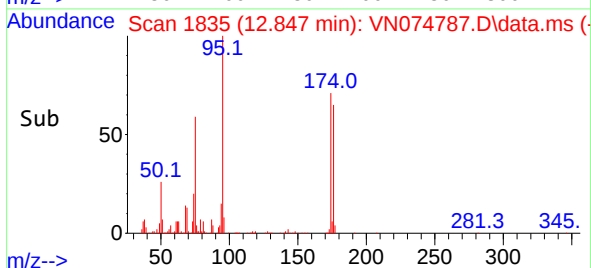
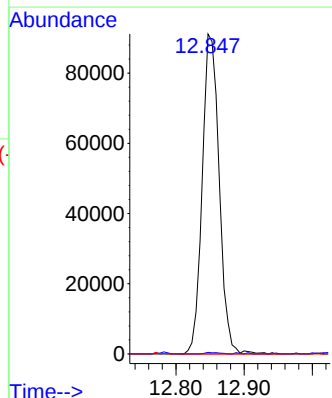
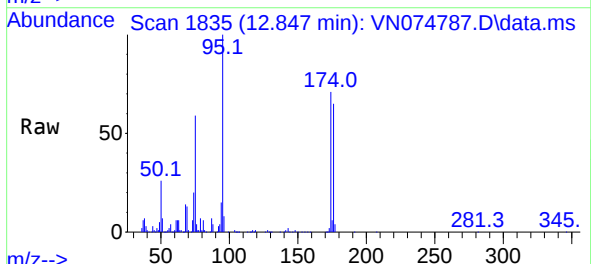
Instrument :
MSVOA_N
ClientSampleId :
MW-1

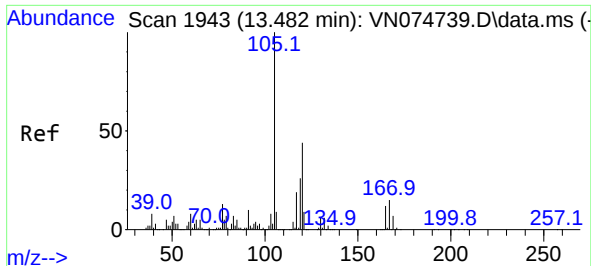
Tgt Ion:156 Resp: 109
Ion Ratio Lower Upper
156 100
77 75.2 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.068 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion: 75 Resp: 157612
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.0#
89 0.0 32.1 48.1#

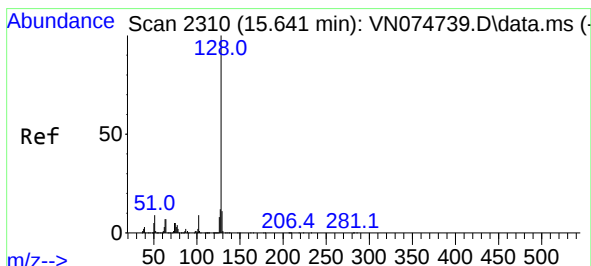
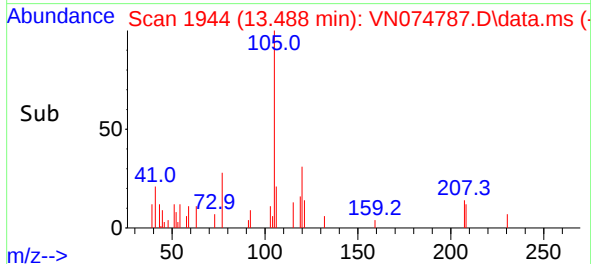
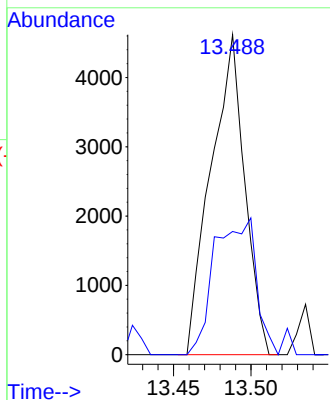
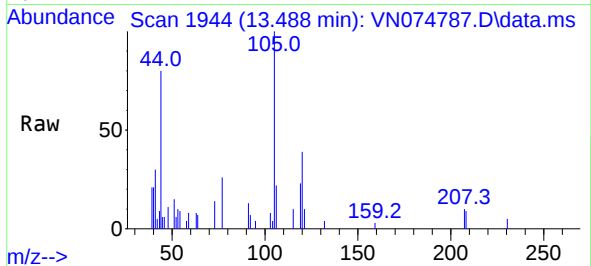




#84
1,2,4-Trimethylbenzene
Concen: 0.403 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:105 Resp: 6981
Ion Ratio Lower Upper
105 100
120 52.5 21.7 65.1



#95
Naphthalene
Concen: 0.918 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN074787.D
Acq: 06 Oct 2022 16:40

Tgt Ion:128 Resp: 14248
Ion Ratio Lower Upper
128 100
127 9.3 10.2 15.2#
129 5.9 9.0 13.4#

