

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074783.D
 Acq On : 06 Oct 2022 15:03
 Operator : JC\MD
 Sample : N4910-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Oct 06 19:04:08 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

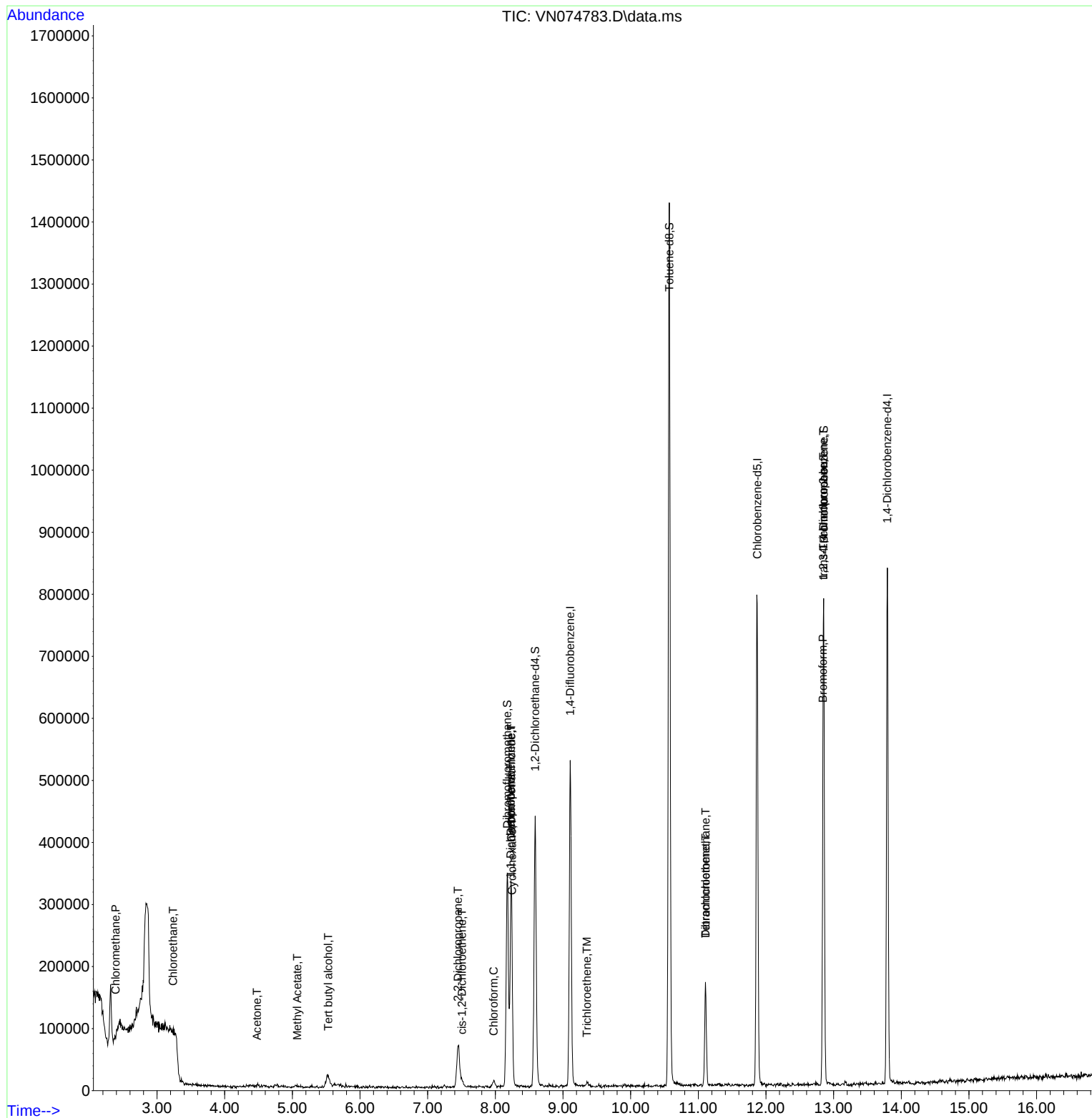
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	234276	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	439001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	445329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	320006	57.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.300%
35) Dibromofluoromethane	8.177	113	242499	54.673	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.340%
50) Toluene-d8	10.571	98	989963	52.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.040%
62) 4-Bromofluorobenzene	12.853	95	256877	44.400	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.800%
Target Compounds						
						Qvalue
3) Chloromethane	2.389	50	1480	0.207	ug/l	100
6) Chloroethane	3.236	64	67606	10.329	ug/l	# 46
11) Tert butyl alcohol	5.530	59	13259	7.132	ug/l	# 79
13) Acrolein	4.206	56	61	Below Cal	#	1
16) Acetone	4.477	43	3643	1.158	ug/l	# 57
18) Methyl Acetate	5.071	43	8166	0.701	ug/l	96
20) Methylene Chloride	5.300	84	689	Below Cal	#	13
26) 2,2-Dichloropropane	7.447	77	5402	0.640	ug/l	# 52
27) cis-1,2-Dichloroethene	7.506	96	7682	1.327	ug/l	67
30) Chloroform	7.977	83	7937	0.847	ug/l	# 83
31) Cyclohexane	8.247	56	7646	0.797	ug/l	# 74
36) 1,1-Dichloropropene	8.224	75	25295	3.523	ug/l	# 48
38) Carbon Tetrachloride	8.236	117	26001	3.840	ug/l	# 18
44) Trichloroethene	9.353	130	1673	0.346	ug/l	43
60) Dibromochloromethane	11.106	129	32917	5.952	ug/l	# 10
64) Tetrachloroethene	11.106	164	35018	9.686	ug/l	95
71) Bromoform	12.841	173	2733	0.719	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.918	83	145	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.847	75	144696	22.353	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	144696	43.553	ug/l	# 14
96) 1,2,3-Trichlorobenzene	15.770	180	133	Below Cal	#	12

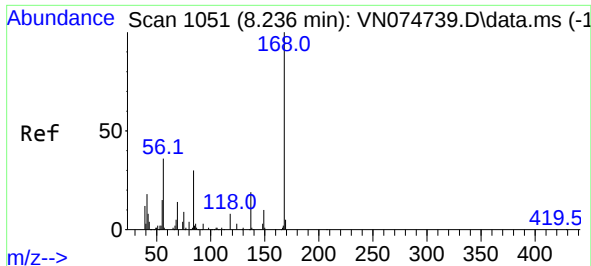
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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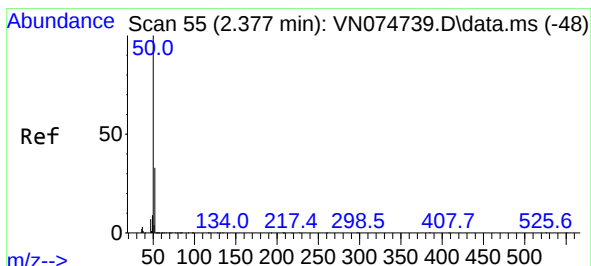
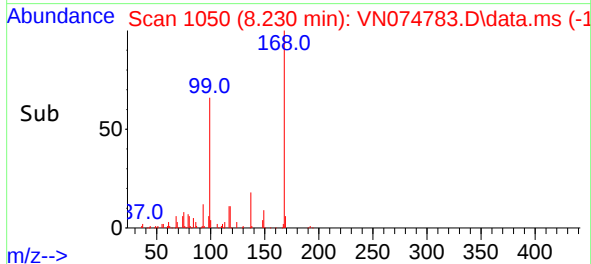
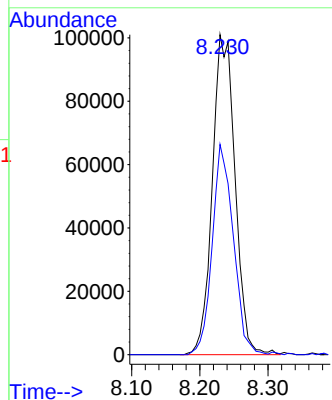
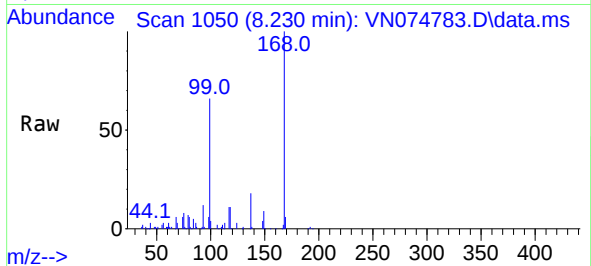




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

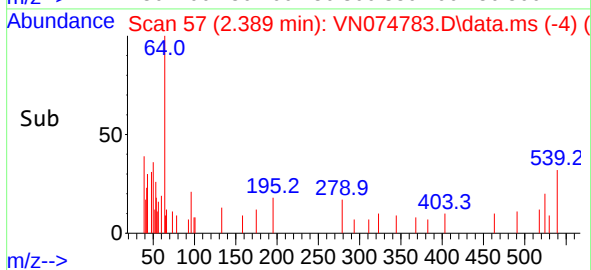
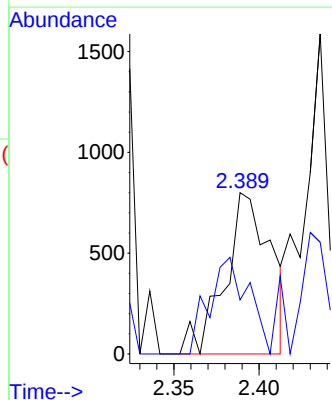
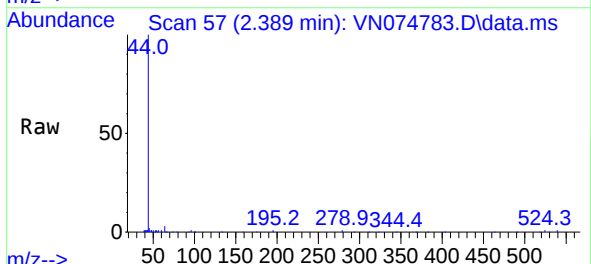
Instrument :
MSVOA_N
ClientSampleId :
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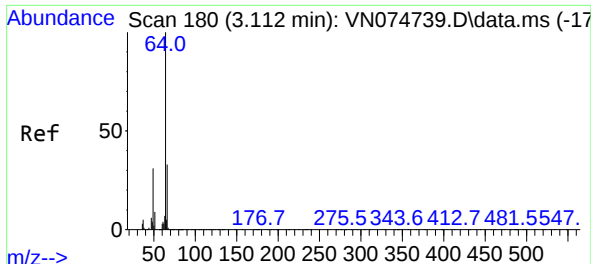
Tgt Ion:168 Resp: 234276
Ion Ratio Lower Upper
168 100
99 65.7 42.8 64.2#



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.012 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 50 Resp: 1480
Ion Ratio Lower Upper
50 100
52 33.5 26.7 40.1

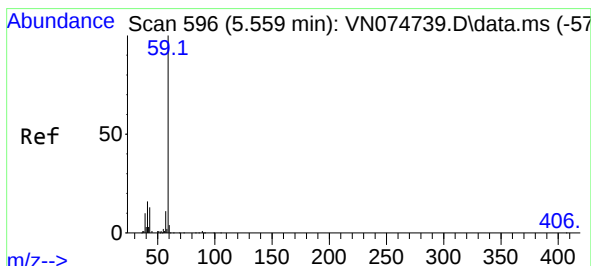
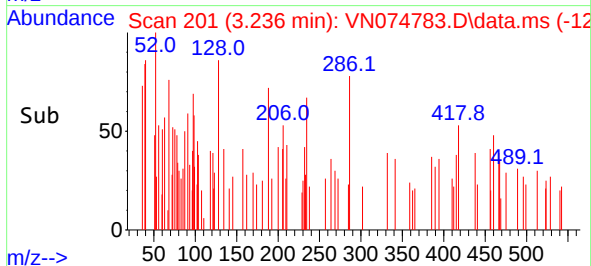
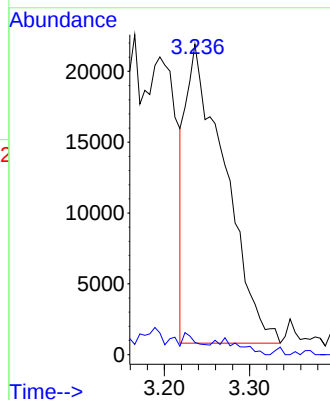
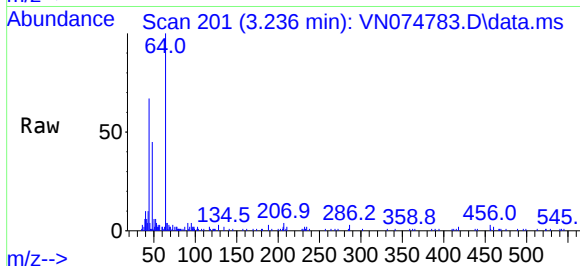




#6
Chloroethane
Concen: 10.329 ug/l
RT: 3.236 min Scan# 20
Delta R.T. 0.123 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

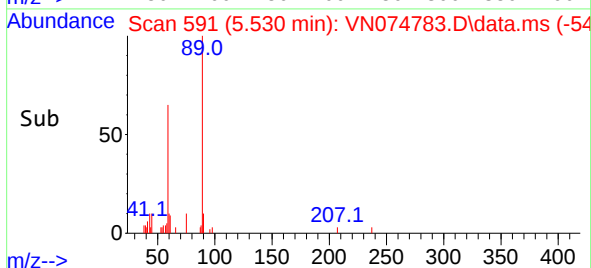
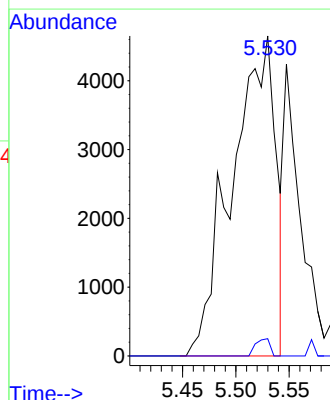
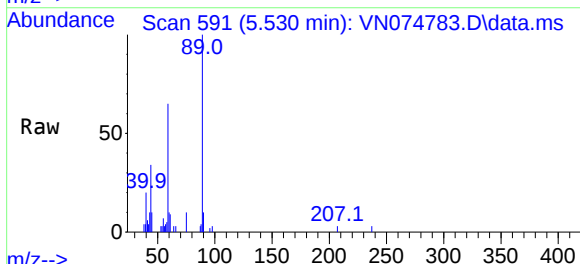
Instrument :
MSVOA_N
ClientSampleId :
MW-4

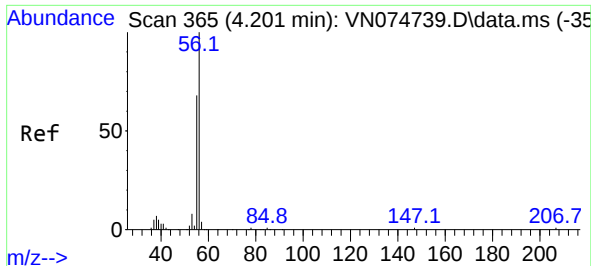
Tgt Ion: 64 Resp: 67606
Ion Ratio Lower Upper
64 100
66 1.6 25.1 37.7#



#11
Tert butyl alcohol
Concen: 7.132 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.030 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 59 Resp: 13259
Ion Ratio Lower Upper
59 100
57 1.8 7.7 11.5#

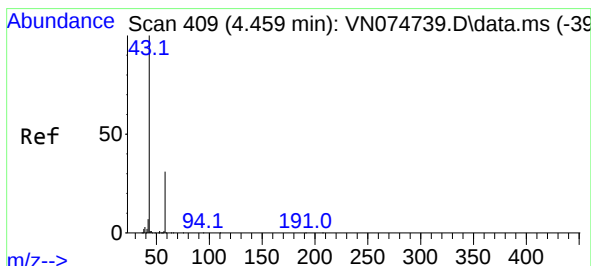
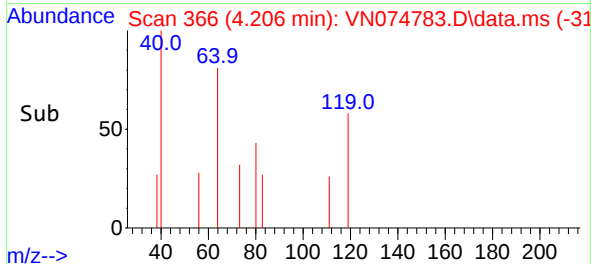
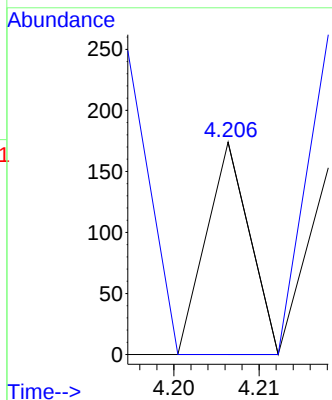
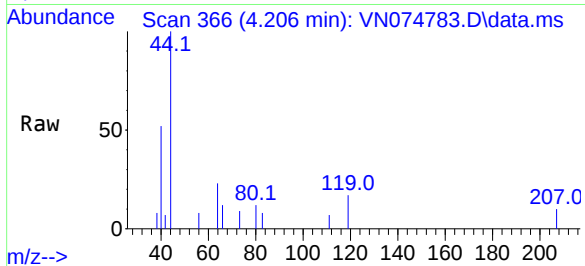




#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 30
Delta R.T. 0.005 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

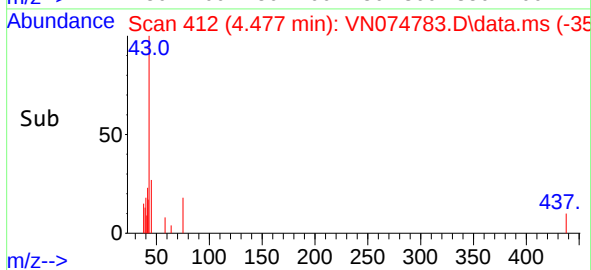
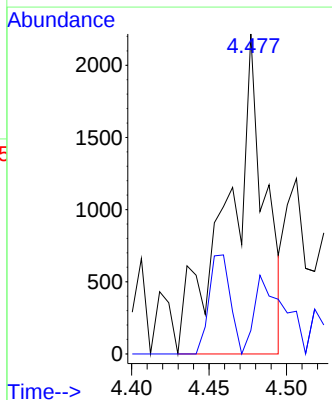
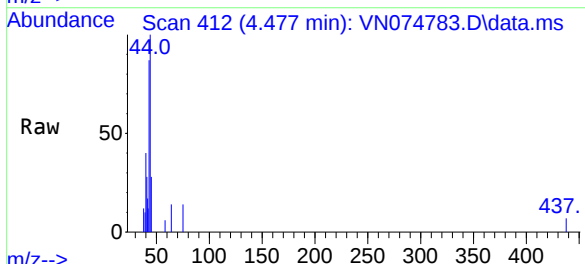
Instrument :
MSVOA_N
ClientSampleId :
MW-4

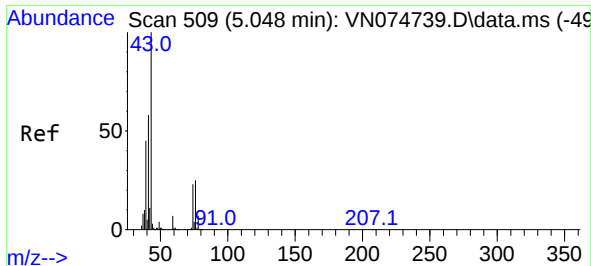
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 363.9 54.9 82.3#



#16
Acetone
Concen: 1.158 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.018 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 43 Resp: 3643
Ion Ratio Lower Upper
43 100
58 7.3 24.9 37.3#

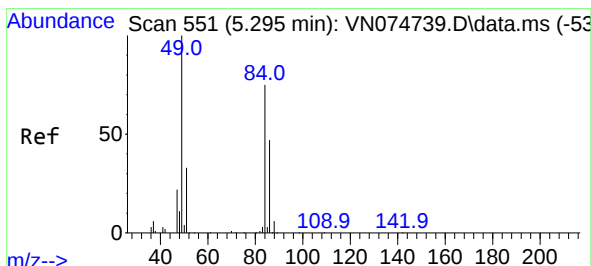
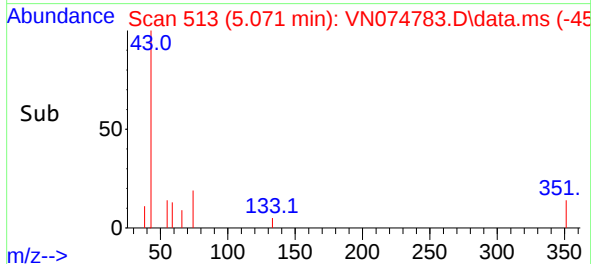
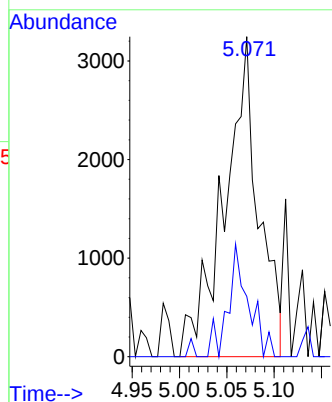
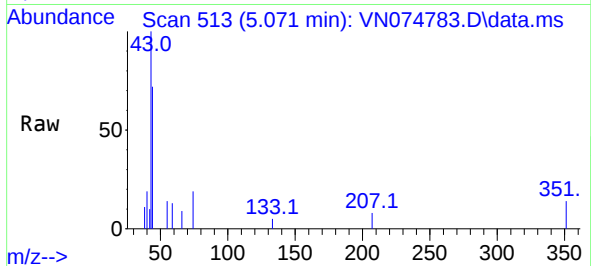




#18
Methyl Acetate
Concen: 0.701 ug/l
RT: 5.071 min Scan# 513
Delta R.T. 0.023 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

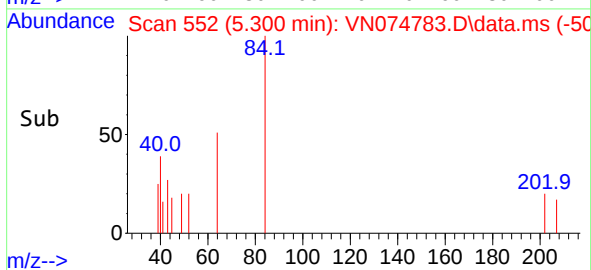
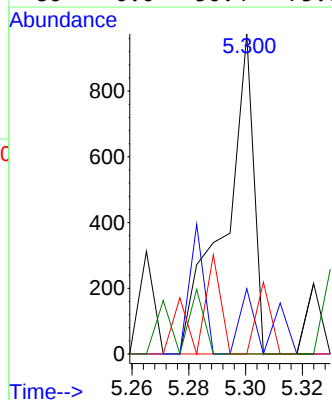
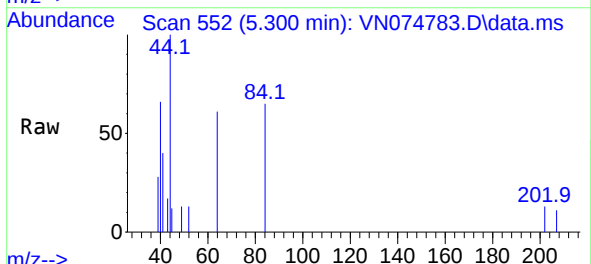
Instrument :
MSVOA_N
ClientSampleId :
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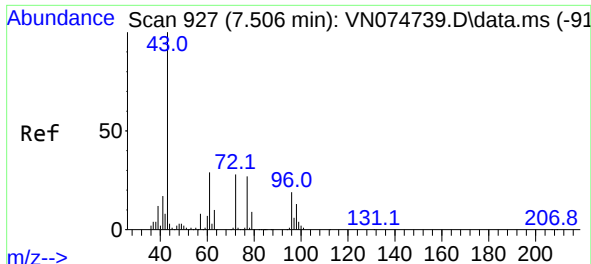
Tgt Ion: 43 Resp: 8166
Ion Ratio Lower Upper
43 100
74 21.1 18.5 27.7



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 84 Resp: 689
Ion Ratio Lower Upper
84 100
49 20.4 107.4 161.0#
51 0.0 35.1 52.7#
86 0.0 50.4 75.6#

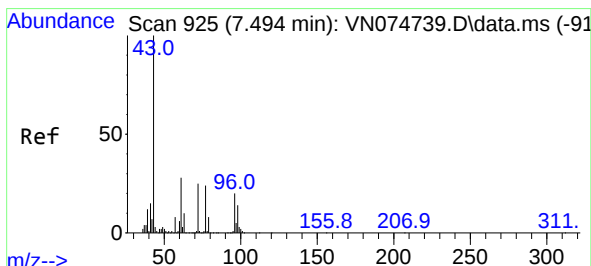
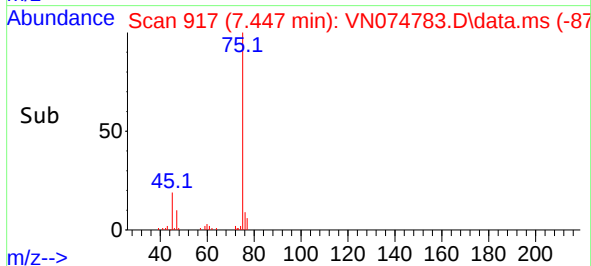
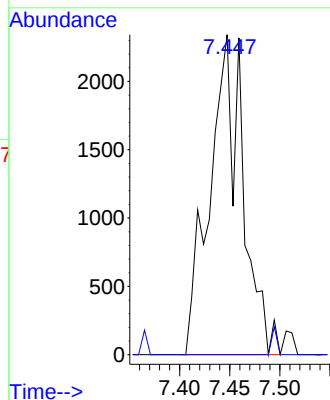
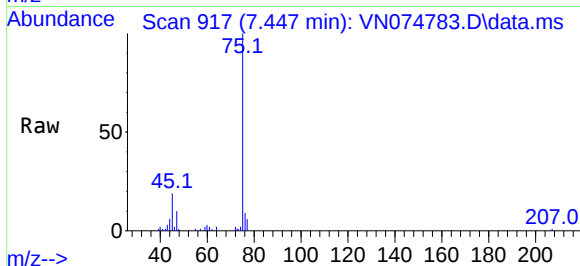




#26
2,2-Dichloropropane
Concen: 0.640 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.059 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

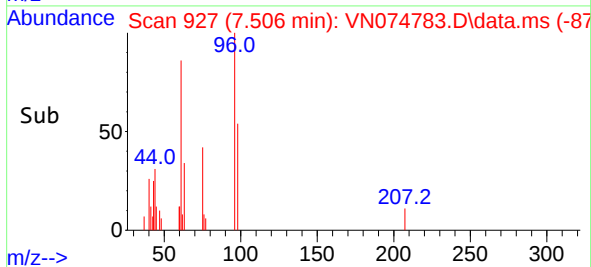
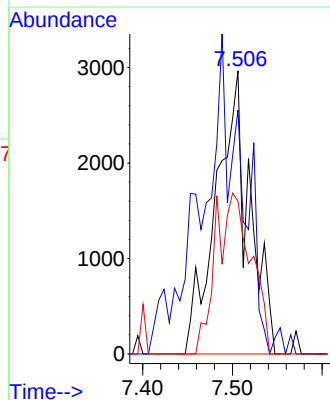
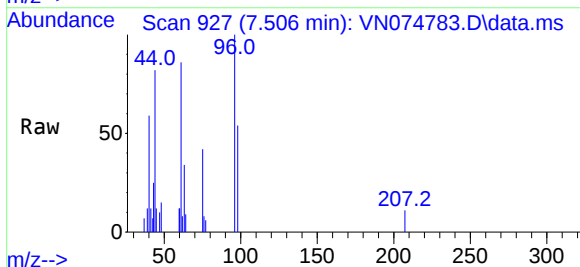
Instrument :
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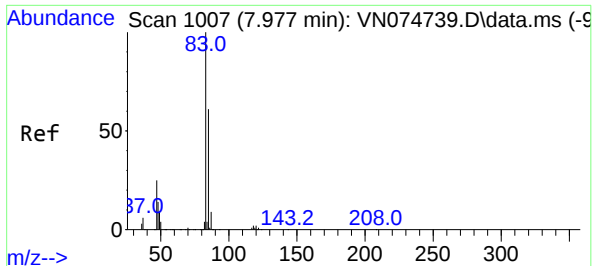
Tgt Ion: 77 Resp: 5402
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#



#27
cis-1,2-Dichloroethene
Concen: 1.327 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 96 Resp: 7682
Ion Ratio Lower Upper
96 100
61 94.6 0.0 303.2
98 60.3 0.0 131.0

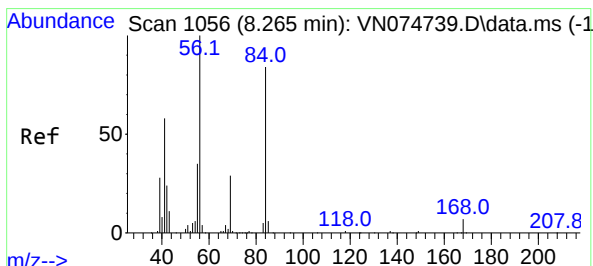
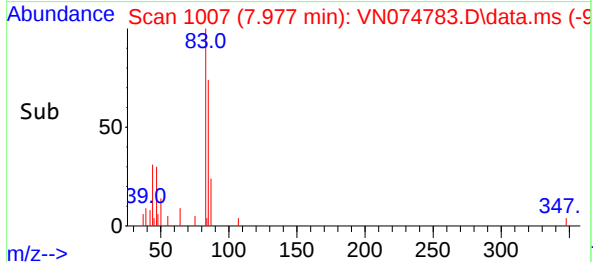
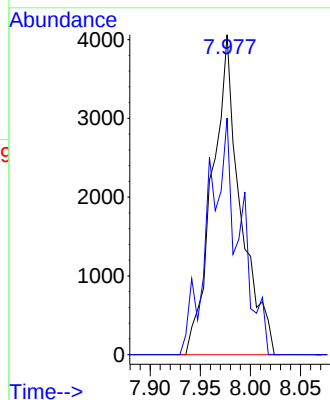
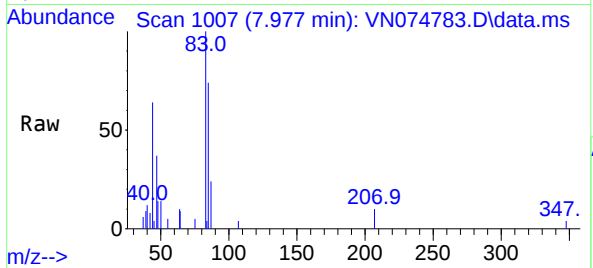




#30
Chloroform
Concen: 0.847 ug/l
RT: 7.977 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

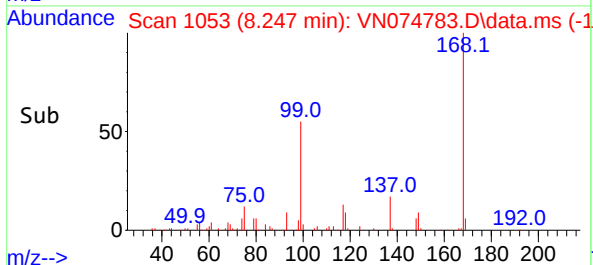
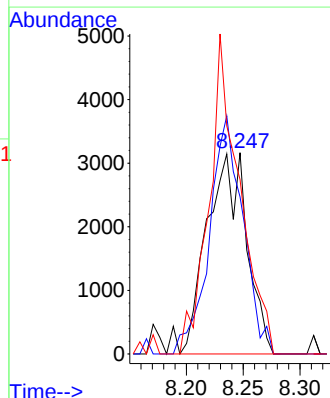
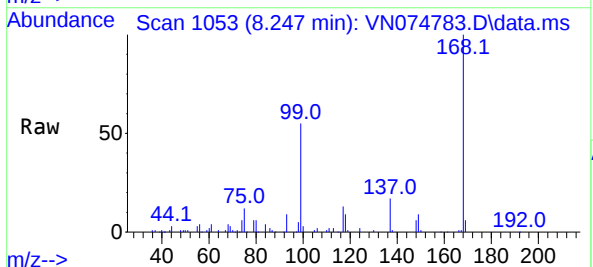
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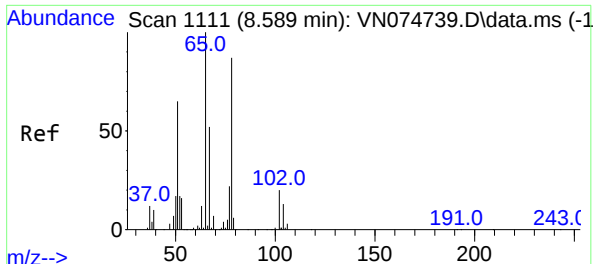
Tgt Ion: 83 Resp: 7937
Ion Ratio Lower Upper
83 100
85 74.0 49.0 73.4#



#31
Cyclohexane
Concen: 0.797 ug/l
RT: 8.247 min Scan# 1053
Delta R.T. -0.018 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 56 Resp: 7646
Ion Ratio Lower Upper
56 100
69 78.0 23.1 34.7#
84 86.6 67.1 100.7

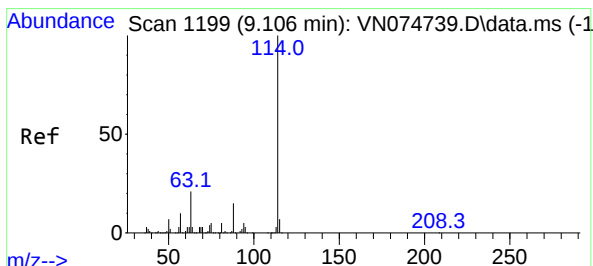
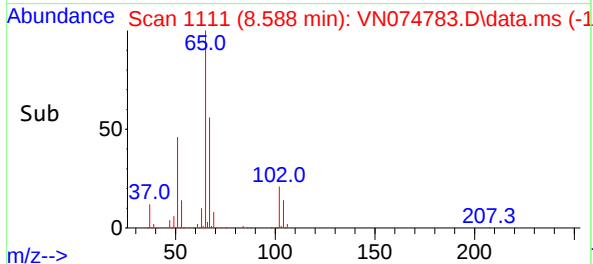
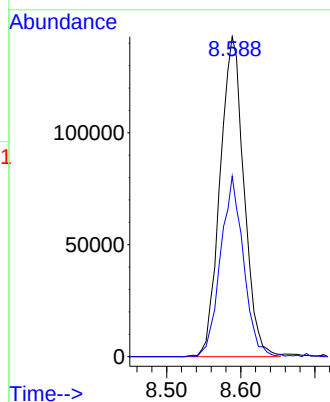
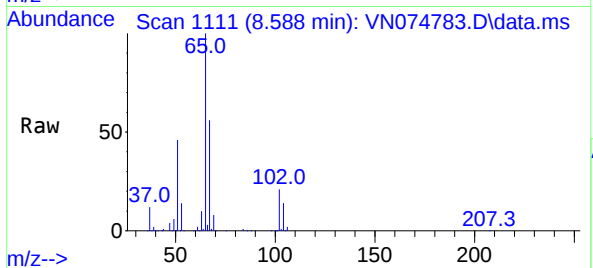




#33
1,2-Dichloroethane-d4
Concen: 57.649 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

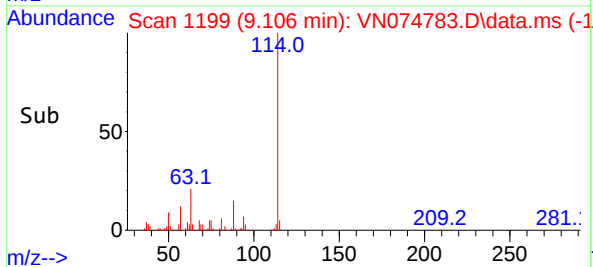
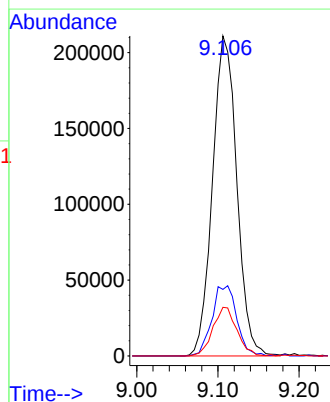
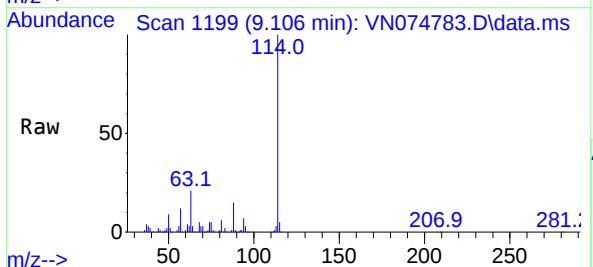
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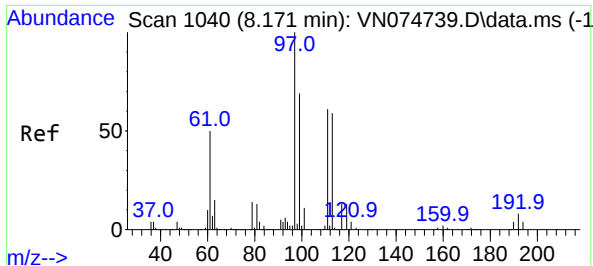
Tgt Ion: 65 Resp: 320006
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion:114 Resp: 439001
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.2
88 15.2 0.0 30.2

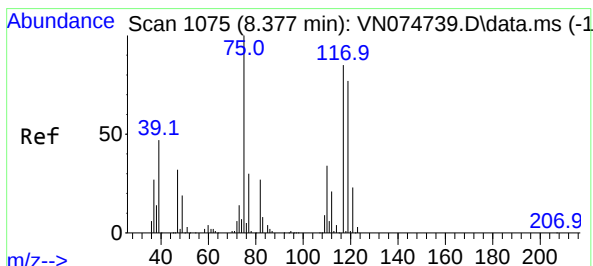
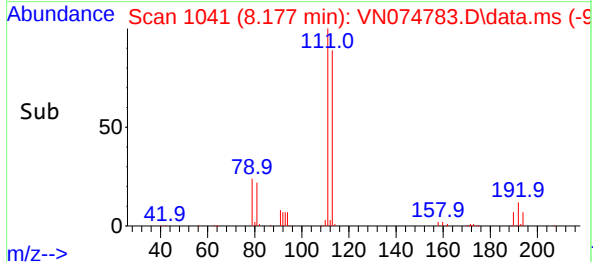
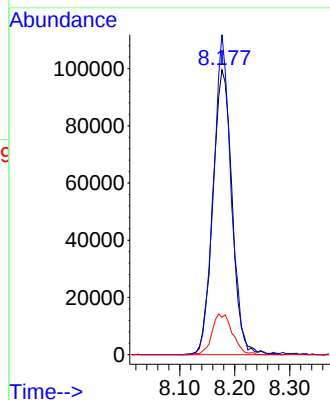
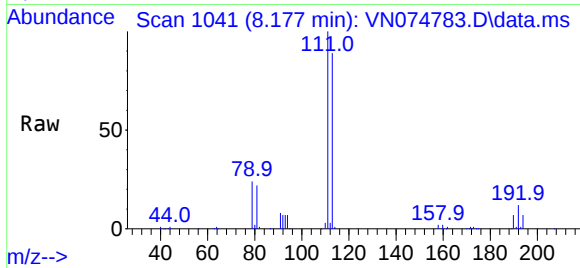




#35
Dibromofluoromethane
Concen: 54.673 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

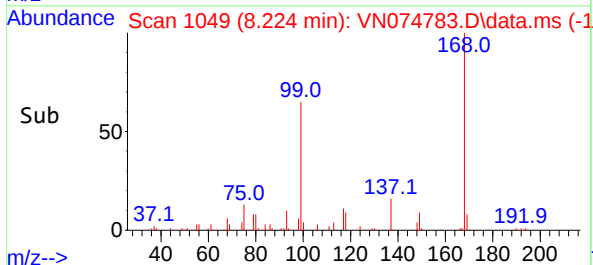
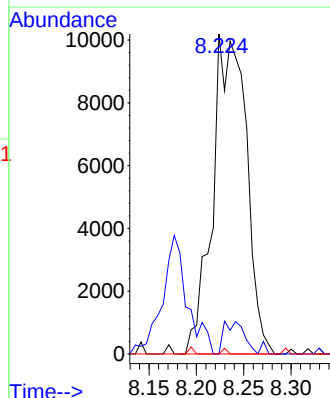
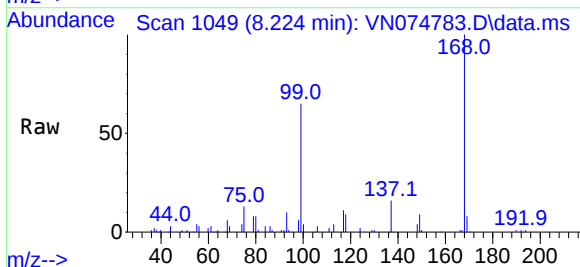
Instrument :
MSVOA_N
ClientSampleId :
MW-4

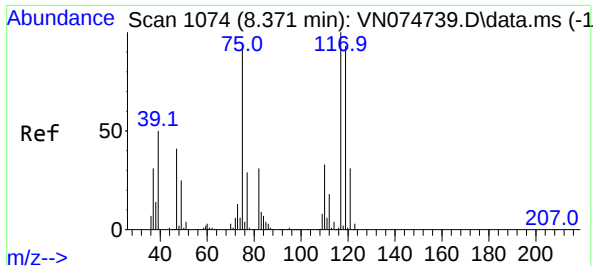
Tgt Ion:113 Resp: 242499
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.6
192 15.1 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.523 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 75 Resp: 25295
Ion Ratio Lower Upper
75 100
110 6.0 17.2 51.5#
77 0.3 24.3 36.5#

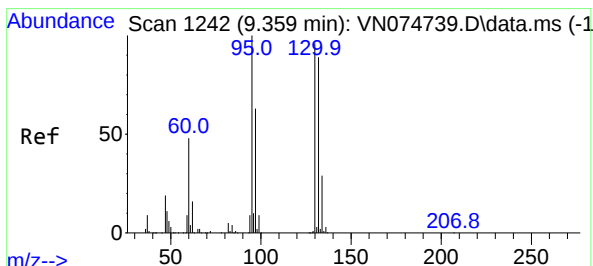
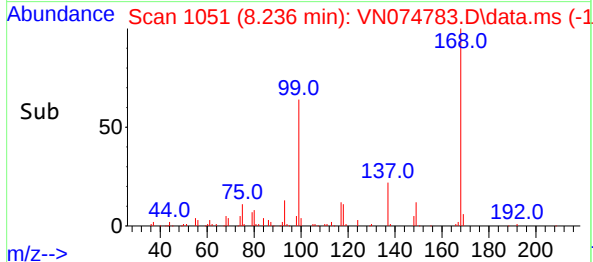
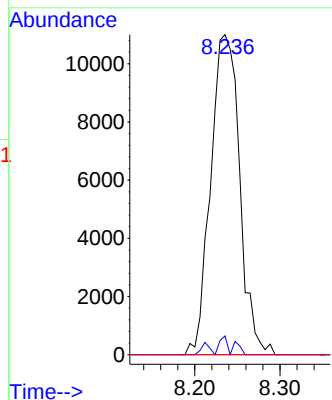
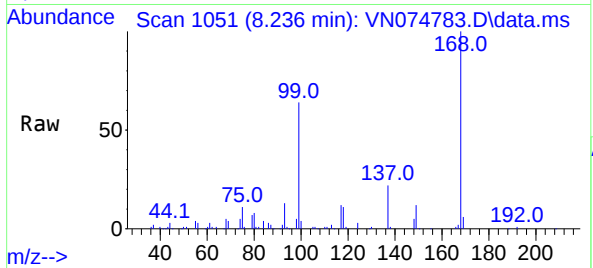




#38
Carbon Tetrachloride
Concen: 3.840 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.135 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

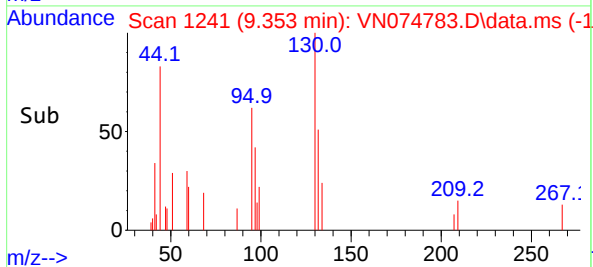
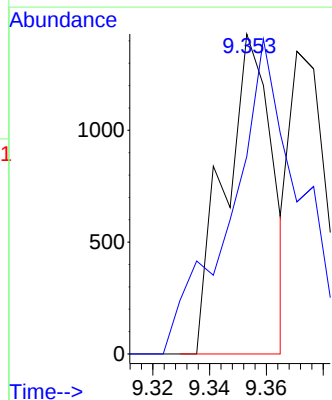
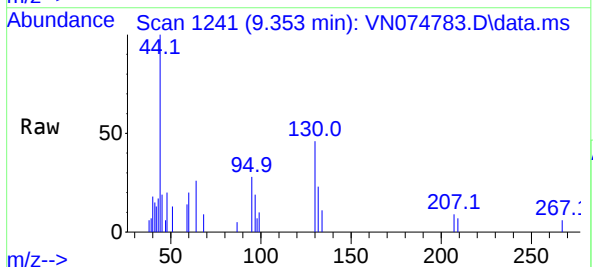
Instrument :
MSVOA_N
ClientSampleId :
MW-4

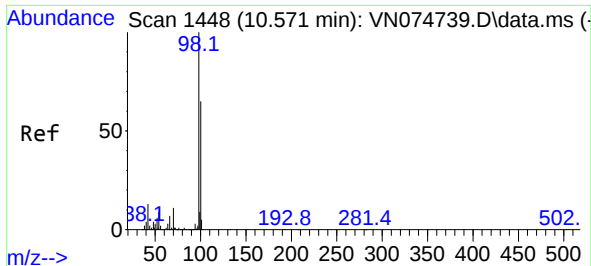
Tgt Ion:117 Resp: 26001
Ion Ratio Lower Upper
117 100
119 5.9 74.3 111.5#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 0.346 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.006 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion:130 Resp: 1673
Ion Ratio Lower Upper
130 100
95 45.1 0.0 207.6

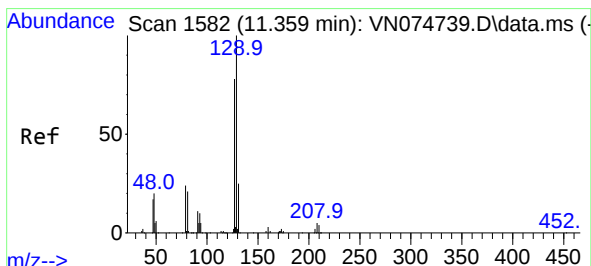
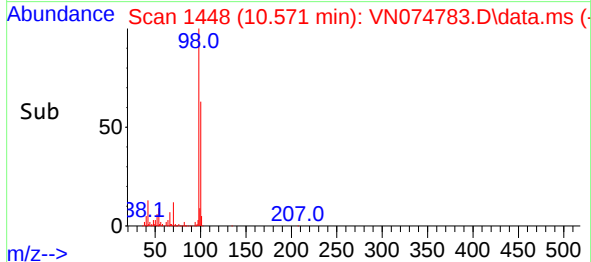
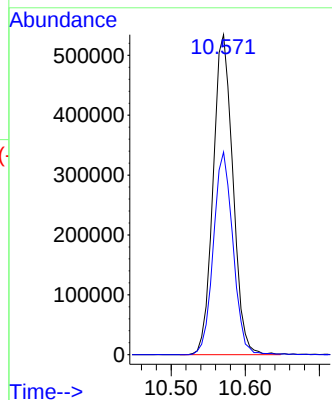
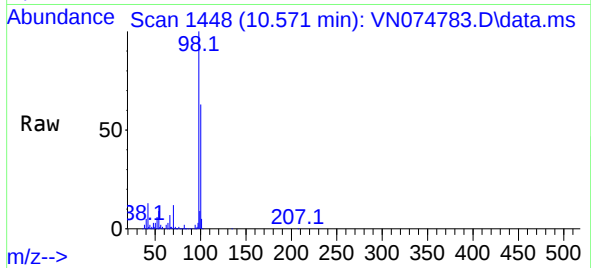




#50
Toluene-d8
Concen: 52.015 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

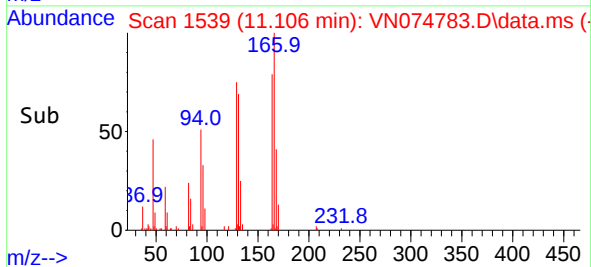
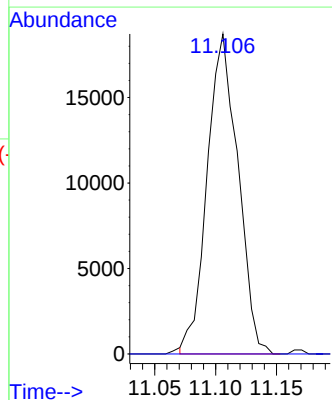
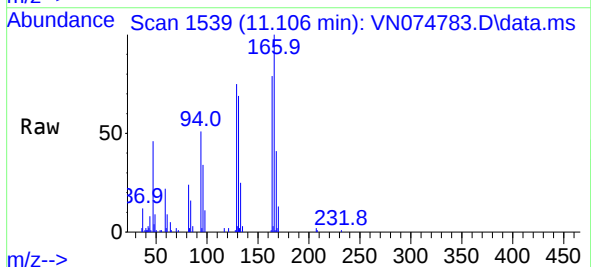
Instrument :
MSVOA_N
ClientSampleId :
MW-4

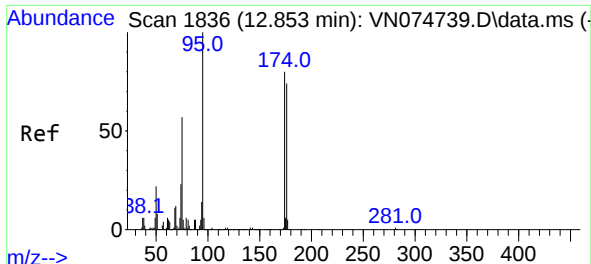
Tgt Ion: 98 Resp: 989963
Ion Ratio Lower Upper
98 100
100 62.8 50.7 76.1



#60
Dibromochloromethane
Concen: 5.952 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.253 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 129 Resp: 32917
Ion Ratio Lower Upper
129 100
127 0.0 39.5 118.3#

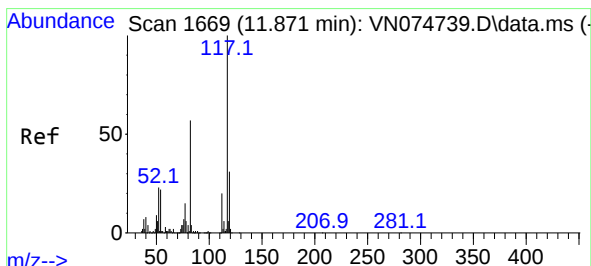
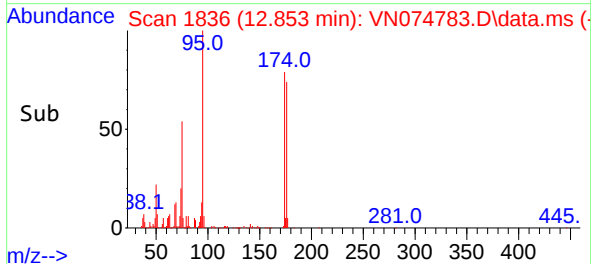
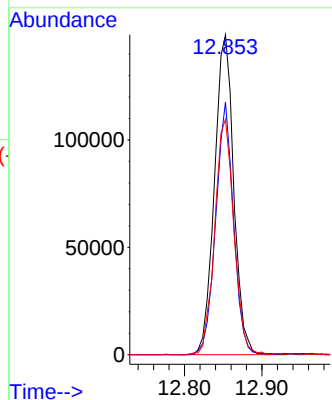
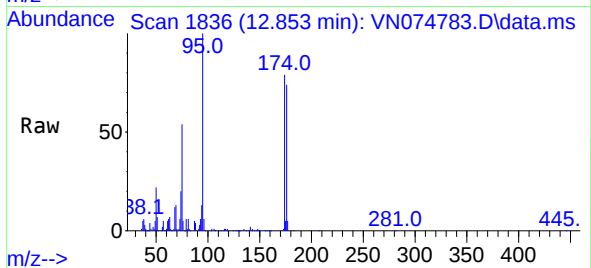




#62
4-Bromofluorobenzene
Concen: 44.400 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

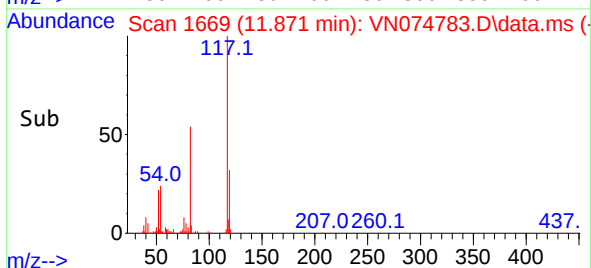
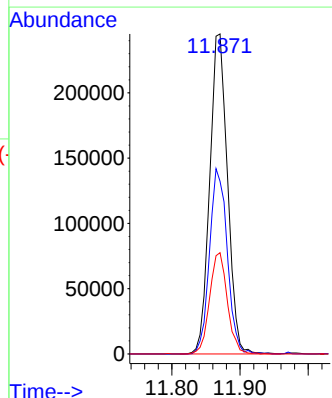
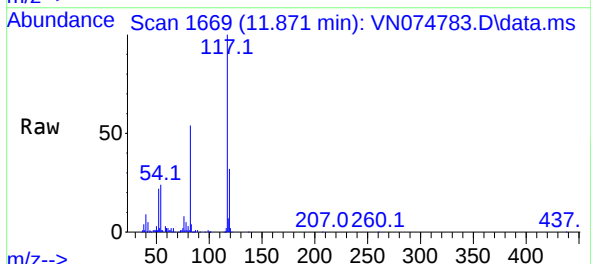
Instrument :
MSVOA_N
ClientSampleId :
MW-4

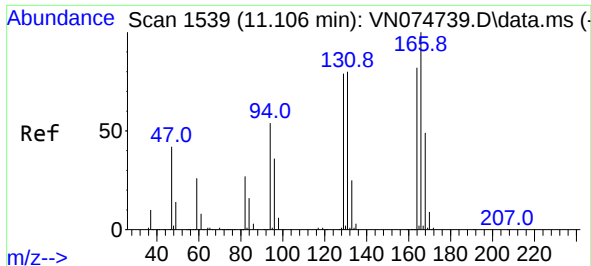
Tgt Ion: 95 Resp: 256877
Ion Ratio Lower Upper
95 100
174 72.9 0.0 149.4
176 73.2 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 117 Resp: 445329
Ion Ratio Lower Upper
117 100
82 54.0 45.4 68.2
119 31.6 25.1 37.7



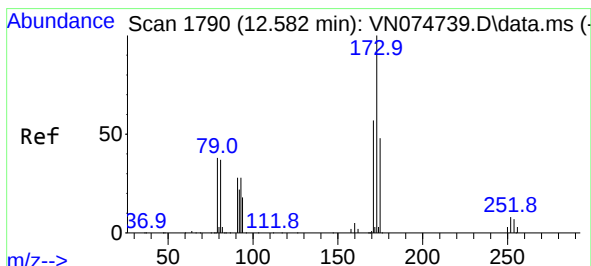
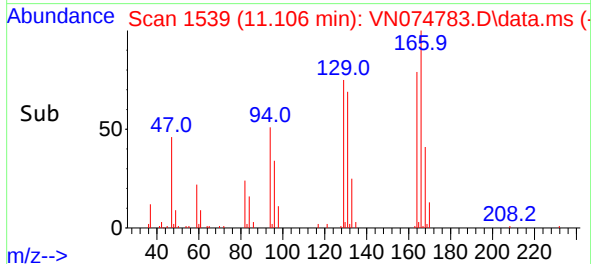
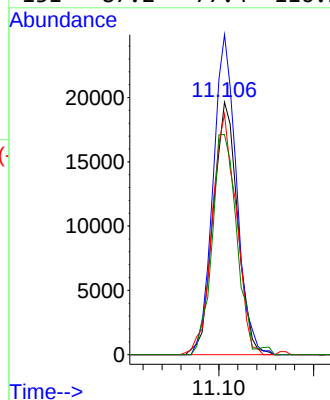
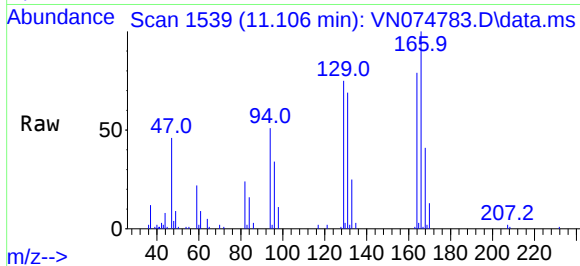


#64
Tetrachloroethene
Concen: 9.686 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tgt Ion:164 Resp: 35018

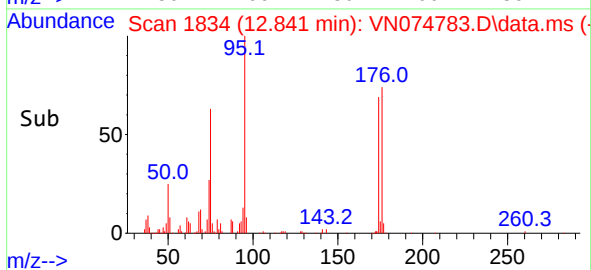
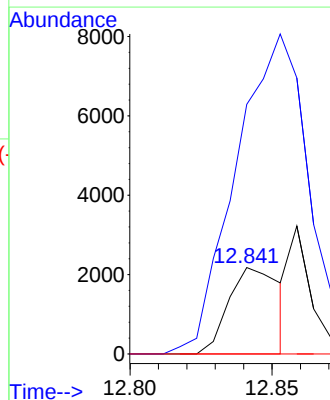
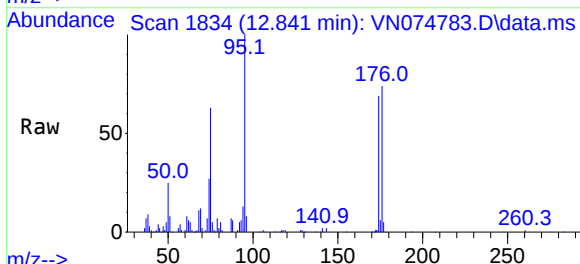
Ion	Ratio	Lower	Upper
164	100		
166	126.7	97.0	145.6
129	95.3	77.0	115.6
131	87.2	77.4	116.2

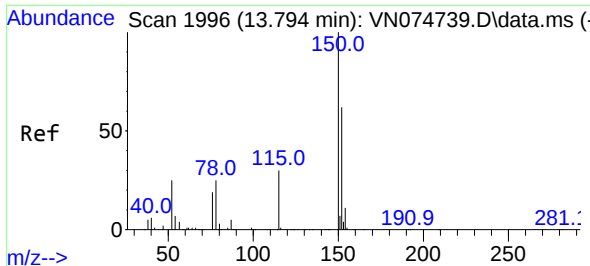


#71
Bromoform
Concen: 0.719 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion:173 Resp: 2733

Ion	Ratio	Lower	Upper
173	100		
175	453.0	23.9	71.7#
254	0.0	0.1	0.1#



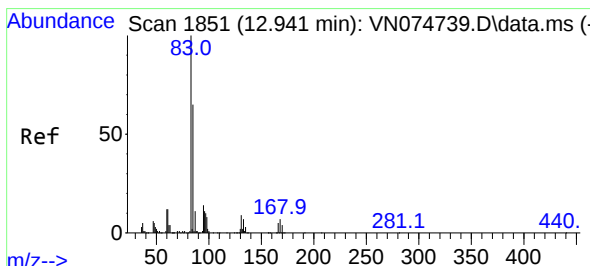
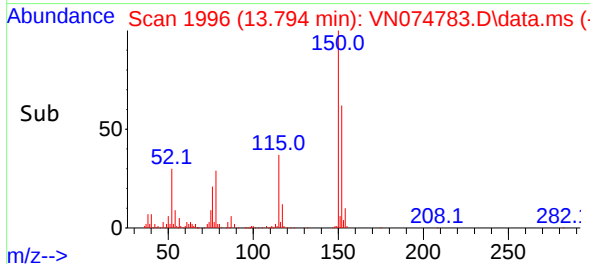
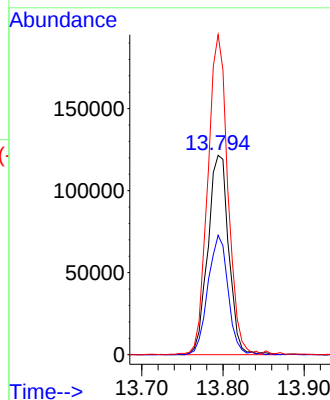
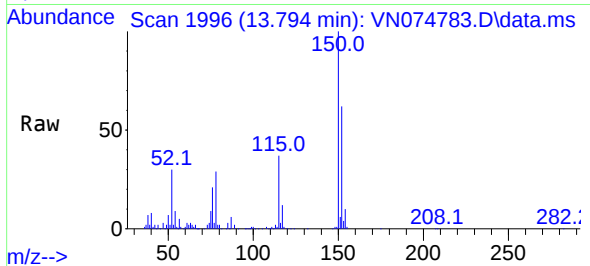


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074783.D
 Acq: 06 Oct 2022 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tgt Ion:152 Resp: 216874

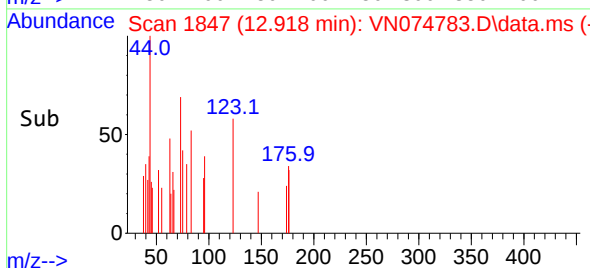
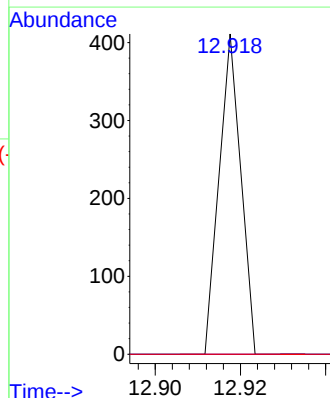
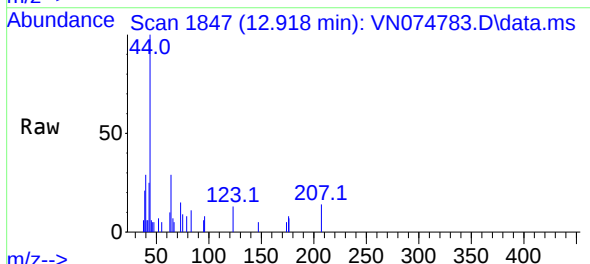
Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.0	90.0
150	154.3	0.0	356.4

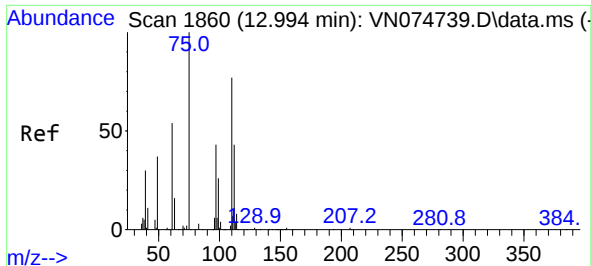


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.918 min Scan# 1847
 Delta R.T. -0.023 min
 Lab File: VN074783.D
 Acq: 06 Oct 2022 15:03

Tgt Ion: 83 Resp: 145

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.3	12.8#
85	0.0	32.9	98.6#

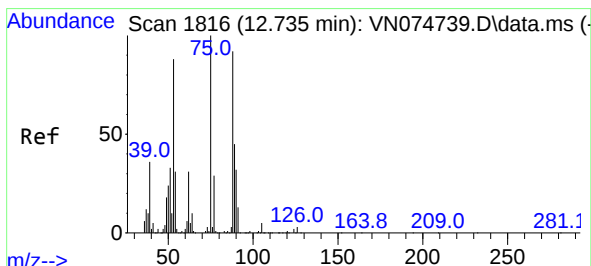
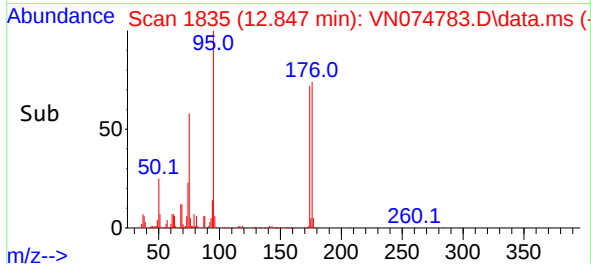
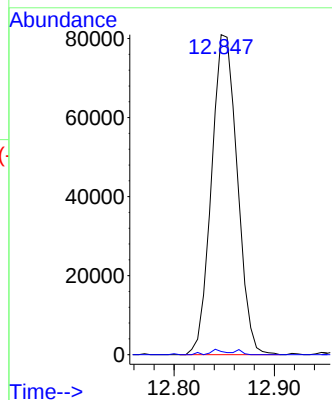
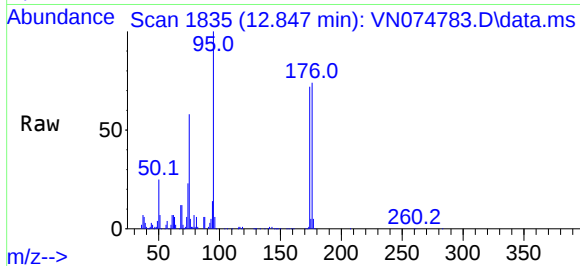




#76
1,2,3-Trichloropropane
Concen: 22.353 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

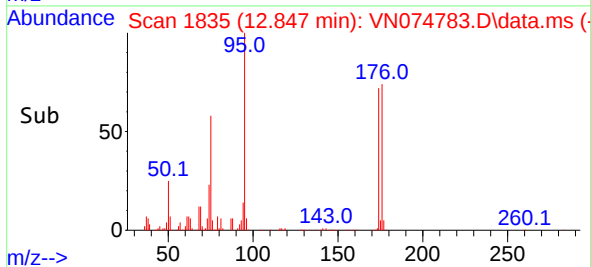
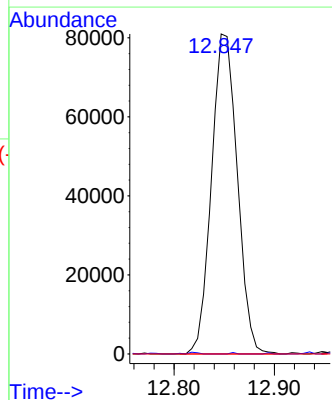
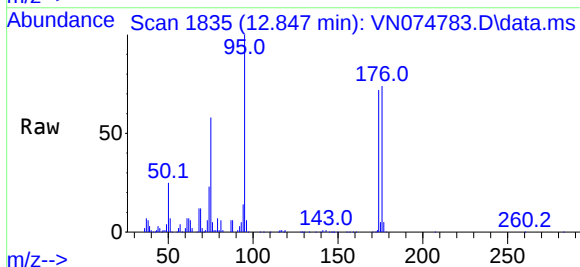
Instrument :
MSVOA_N
ClientSampleId :
MW-4

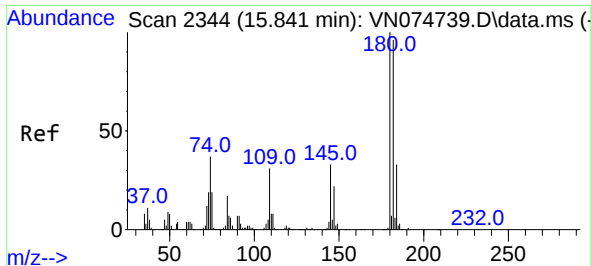
Tgt Ion: 75 Resp: 144696
Ion Ratio Lower Upper
75 100
77 0.9 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.553 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074783.D
Acq: 06 Oct 2022 15:03

Tgt Ion: 75 Resp: 144696
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 32.1 48.1#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.770 min Scan# 21
 Delta R.T. -0.071 min
 Lab File: VN074783.D
 Acq: 06 Oct 2022 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tgt Ion:180 Resp: 133
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.1 51.2#

