

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074793.D
 Acq On : 06 Oct 2022 19:05
 Operator : JC\MD
 Sample : N4910-02DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL

Quant Time: Oct 06 19:33:47 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)

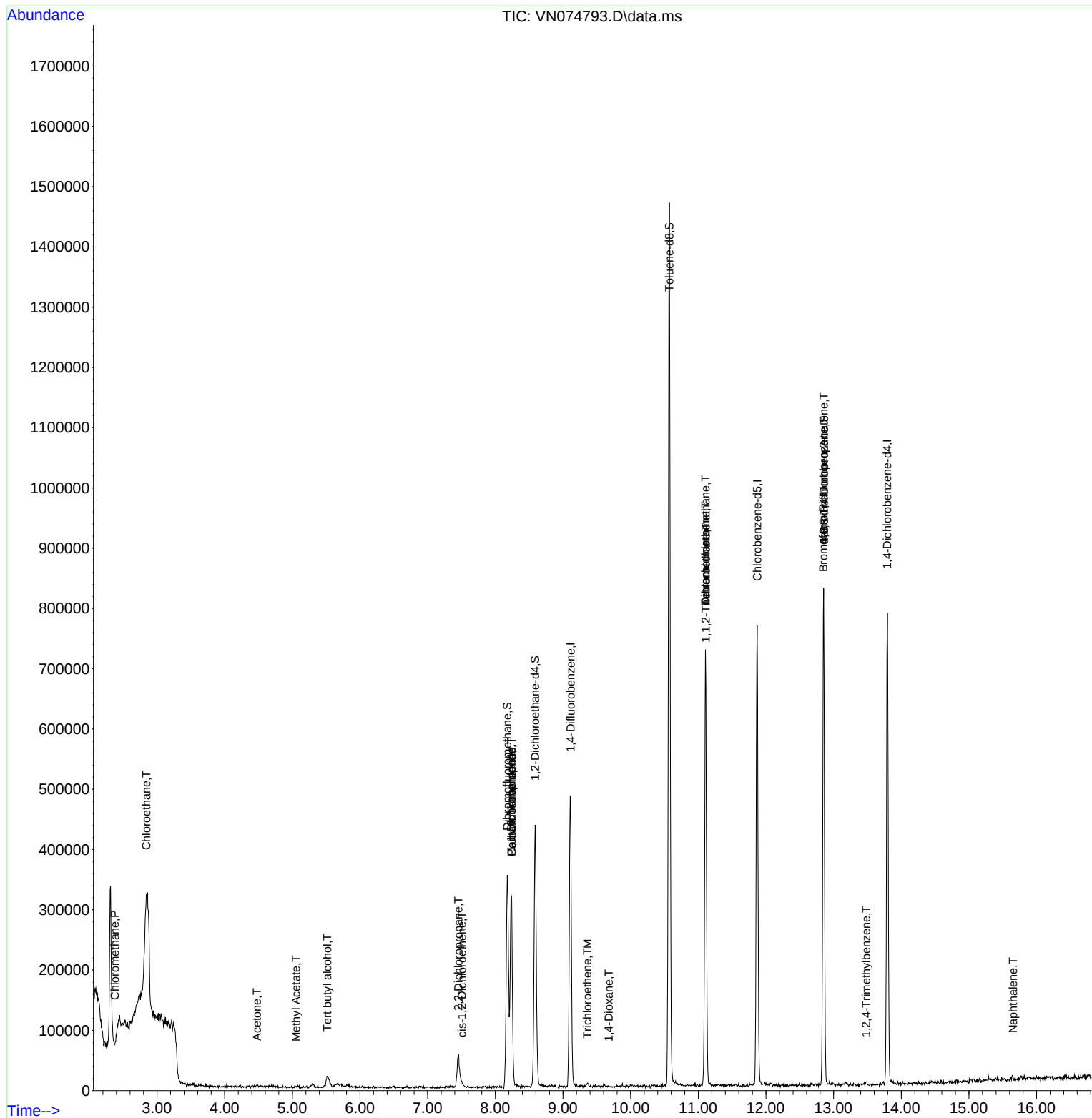
Internal Standards						
1) Pentafluorobenzene	8.241	168	228376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	422448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	426781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	316327	58.458	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.920%		
35) Dibromofluoromethane	8.177	113	252994	59.274	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 118.540%		
50) Toluene-d8	10.571	98	985549	53.812	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.620%		
62) 4-Bromofluorobenzene	12.853	95	259391	46.592	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.180%		
Target Compounds						
						Qvalue
3) Chloromethane	2.377	50	2060	0.296	ug/l #	66
6) Chloroethane	2.842	64	310016	48.587	ug/l #	54
11) Tert butyl alcohol	5.518	59	16293	8.990	ug/l #	79
13) Acrolein	4.200	56	272	Below Cal		85
16) Acetone	4.477	43	2784	0.908	ug/l #	85
18) Methyl Acetate	5.053	43	3211	0.283	ug/l #	79
20) Methylene Chloride	5.300	84	3060	Below Cal	#	56
26) 2,2-Dichloropropane	7.453	77	4818	0.586	ug/l #	52
27) cis-1,2-Dichloroethene	7.506	96	4087	0.724	ug/l	52
36) 1,1-Dichloropropene	8.235	75	20307	2.939	ug/l #	42
38) Carbon Tetrachloride	8.241	117	24095	3.698	ug/l #	18
44) Trichloroethene	9.359	130	1541	0.331	ug/l	70
49) 1,4-Dioxane	9.677	88	79	0.518	ug/l #	1
55) 1,1,2-Trichloroethane	11.112	97	1983	0.367	ug/l #	23
60) Dibromochloromethane	11.106	129	142995	26.870	ug/l #	10
64) Tetrachloroethene	11.106	164	148117	42.752	ug/l	88
71) Bromoform	12.847	173	1734	0.476	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.923	83	66	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	150114	24.181	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	150114	47.113	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	3398	0.211	ug/l	83
95) Naphthalene	15.653	128	4326	0.299	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.906	180	53	Below Cal	#	1

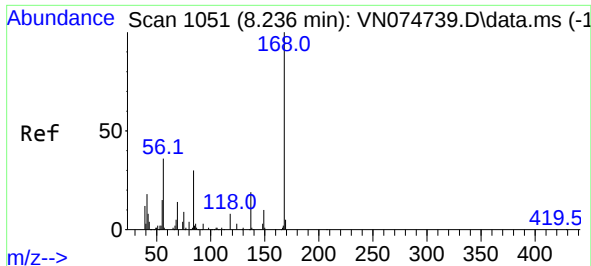
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

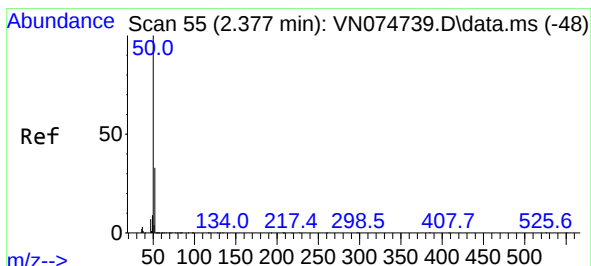
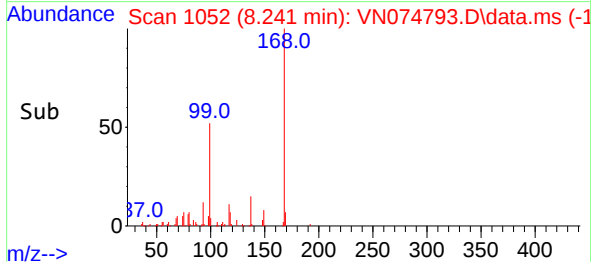
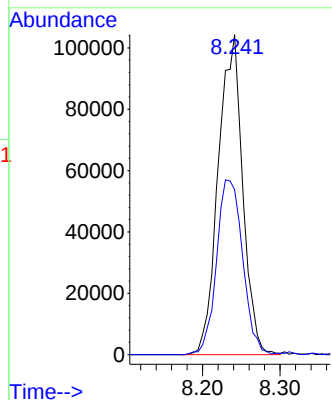
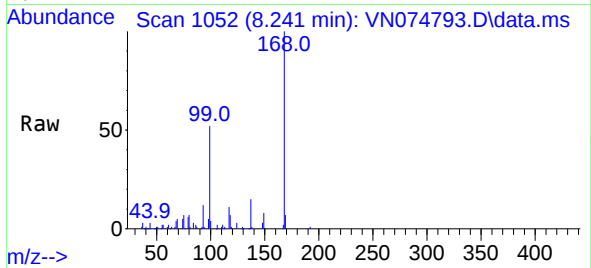




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.241 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

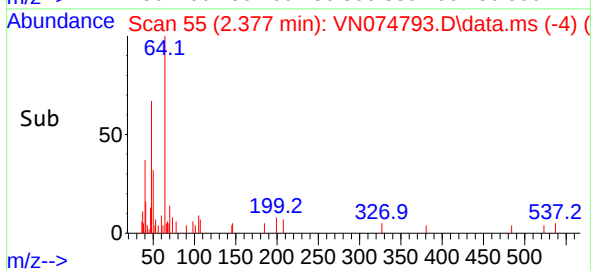
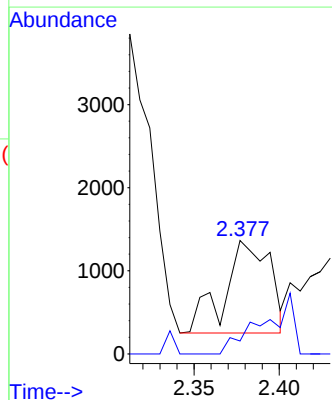
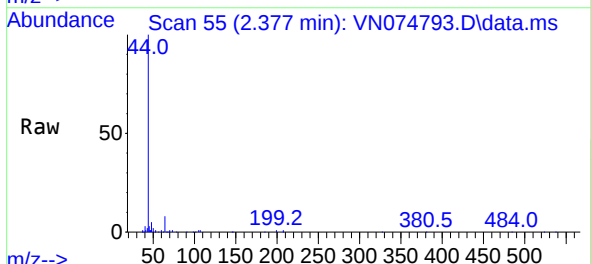
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

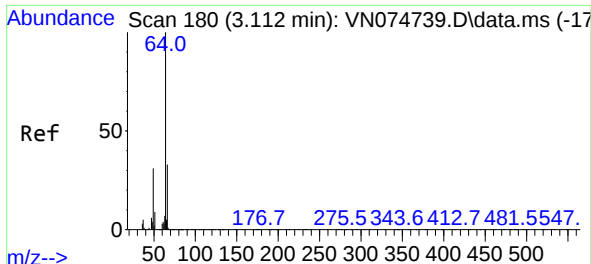
Tgt Ion:168 Resp: 228376
Ion Ratio Lower Upper
168 100
99 51.6 42.8 64.2



#3
Chloromethane
Concen: 0.296 ug/l
RT: 2.377 min Scan# 55
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 50 Resp: 2060
Ion Ratio Lower Upper
50 100
52 13.9 26.7 40.1#

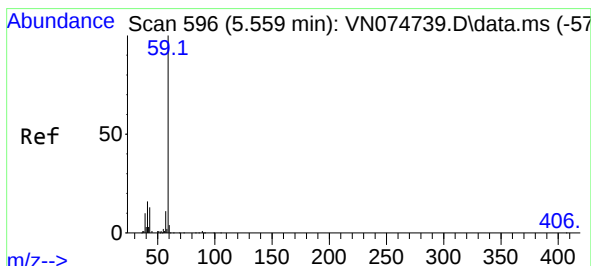
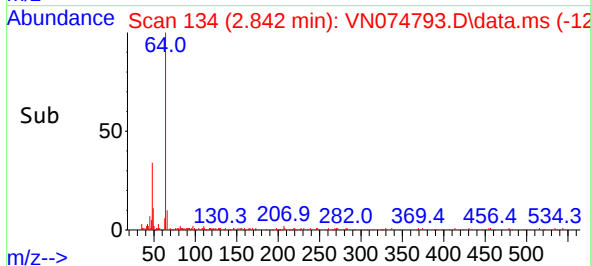
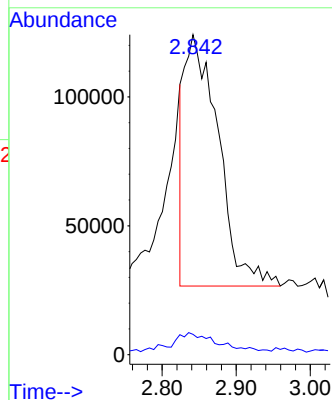
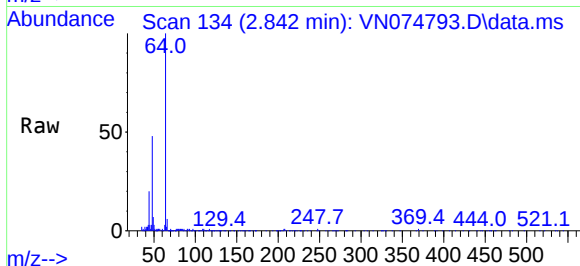




#6
Chloroethane
Concen: 48.587 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.271 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

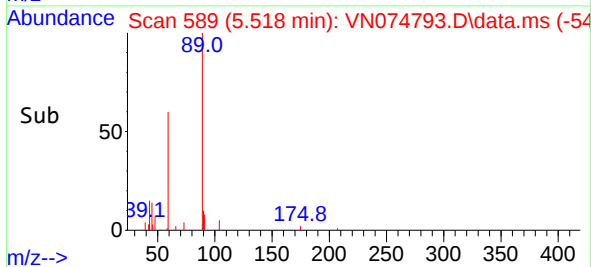
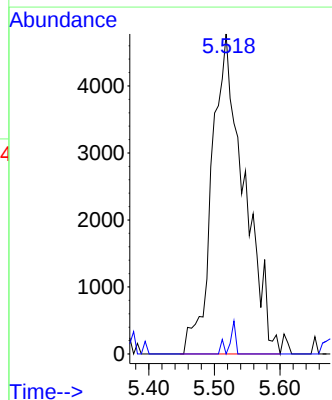
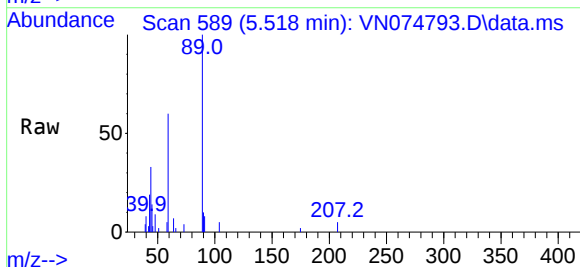
Instrument :
MSVOA_N
ClientSampleId :
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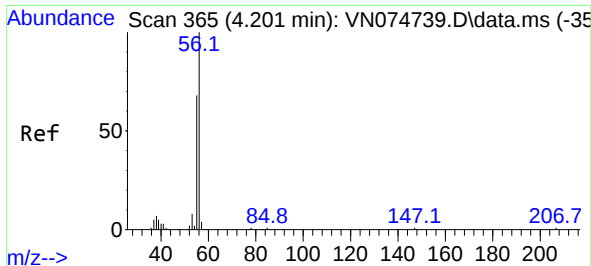
Tgt Ion: 64 Resp: 310016
Ion Ratio Lower Upper
64 100
66 6.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 8.990 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.041 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 59 Resp: 16293
Ion Ratio Lower Upper
59 100
57 1.9 7.7 11.5#

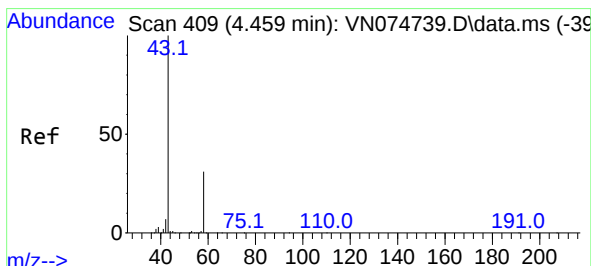
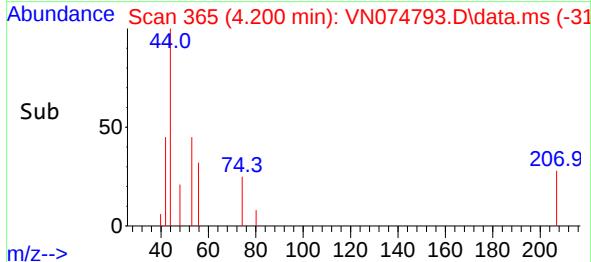
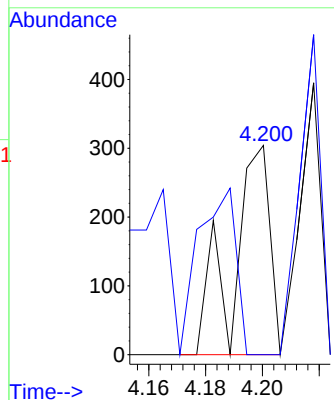
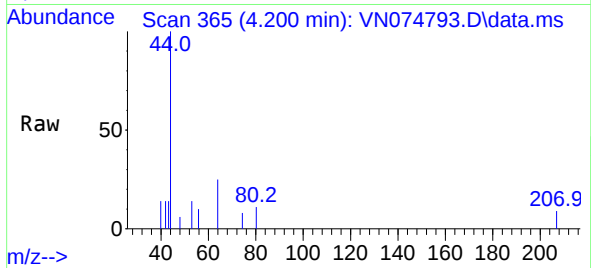




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 301
Delta R.T. -0.001 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

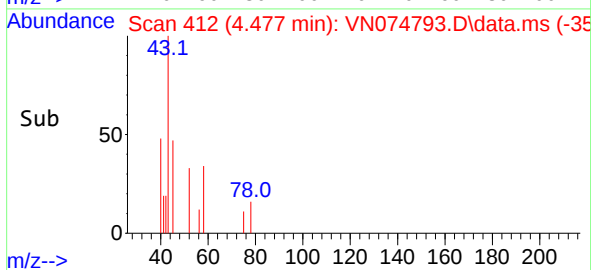
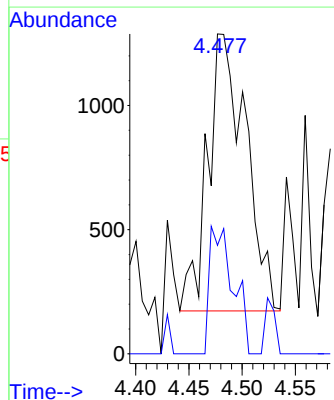
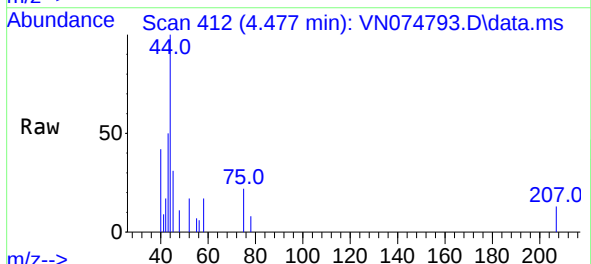
Instrument :
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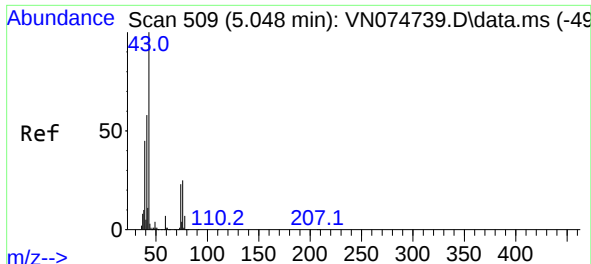
Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 80.9 54.9 82.3



#16
Acetone
Concen: 0.908 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.017 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
58 39.2 24.9 37.3#

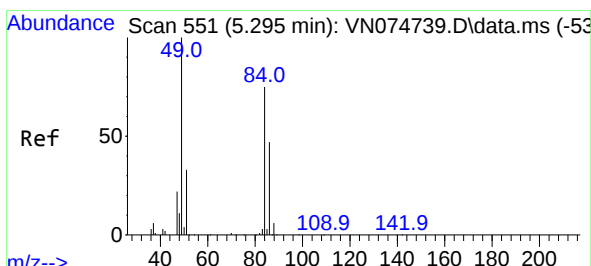
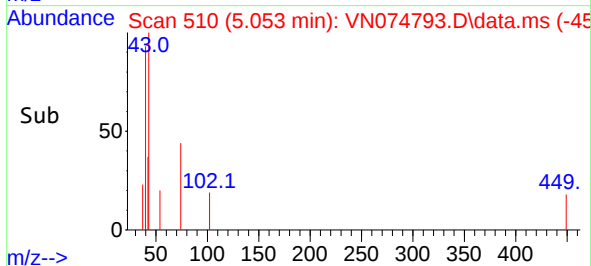
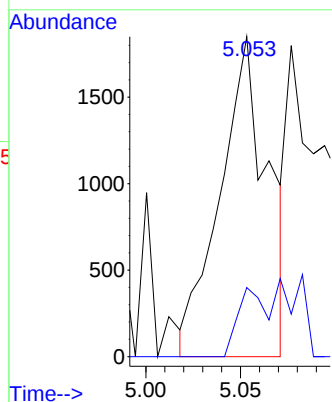
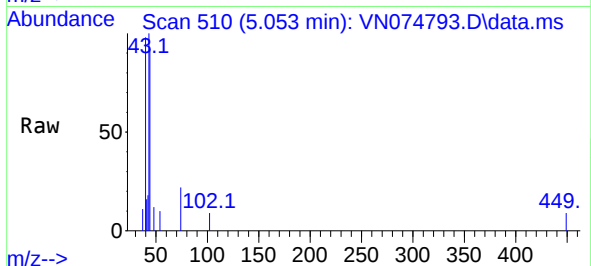




#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.006 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

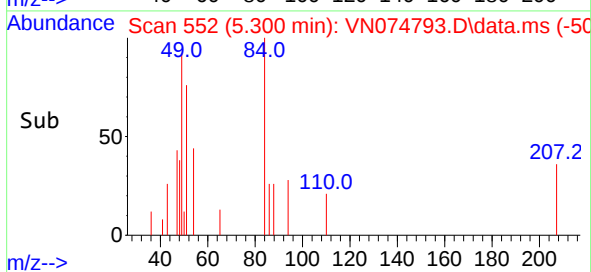
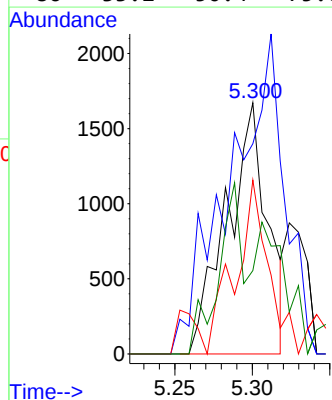
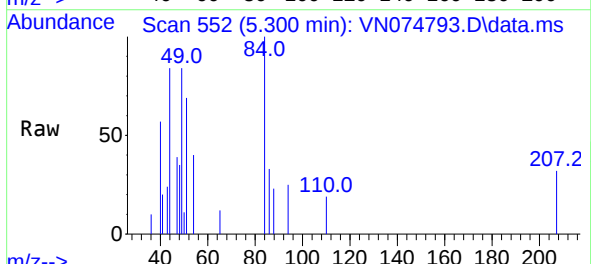
Instrument :
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ClientSampleId :
MW-1DL

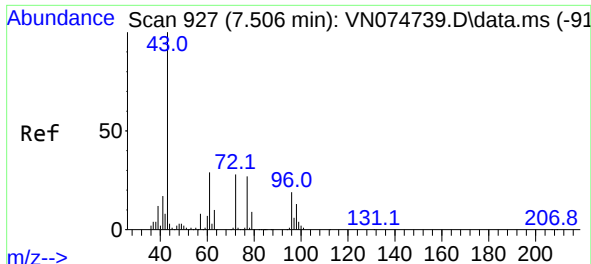
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
74 12.7 18.5 27.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 84 Resp: 3060
Ion Ratio Lower Upper
84 100
49 69.9 107.4 161.0#
51 59.0 35.1 52.7#
86 33.2 50.4 75.6#

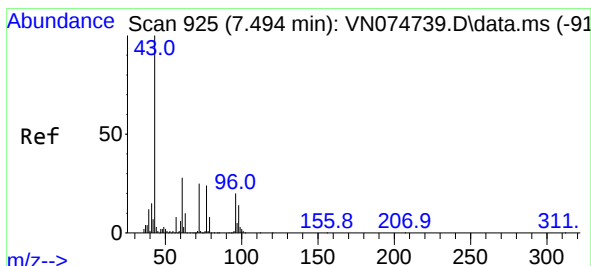
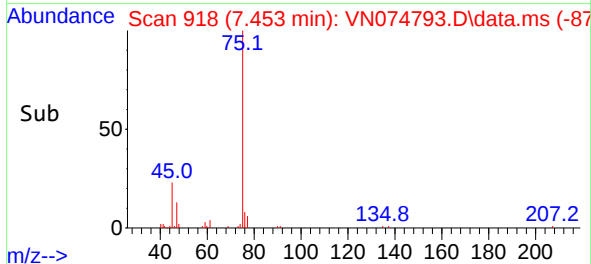
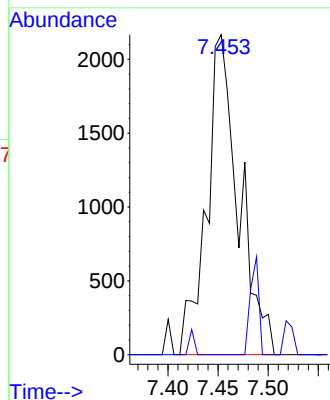
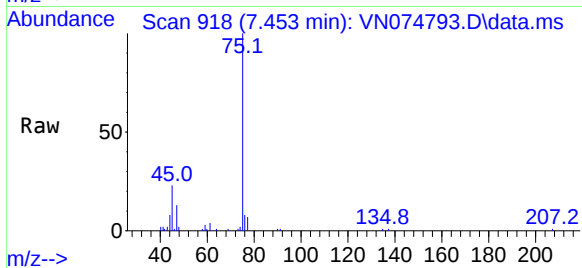




#26
2,2-Dichloropropane
Concen: 0.586 ug/l
RT: 7.453 min Scan# 918
Delta R.T. -0.053 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

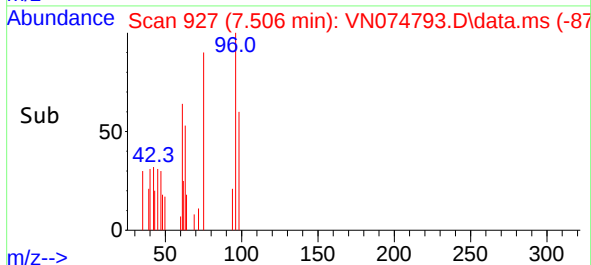
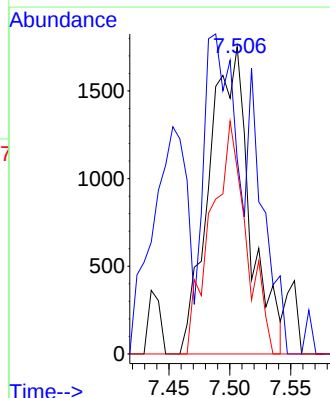
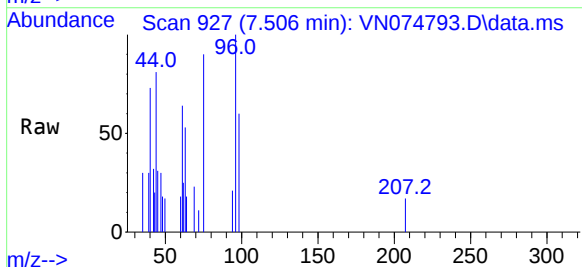
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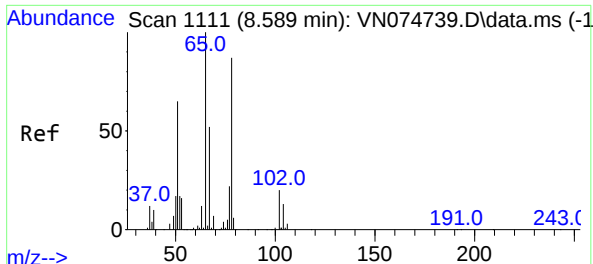
Tgt Ion: 77 Resp: 4818
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#



#27
cis-1,2-Dichloroethene
Concen: 0.724 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 96 Resp: 4087
Ion Ratio Lower Upper
96 100
61 64.9 0.0 303.2
98 65.2 0.0 131.0

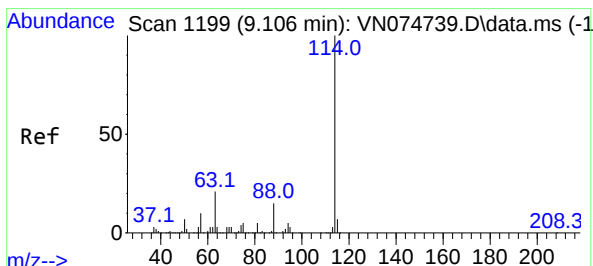
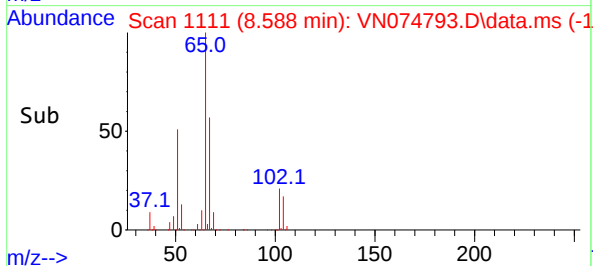
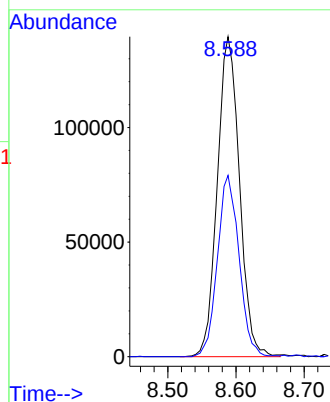
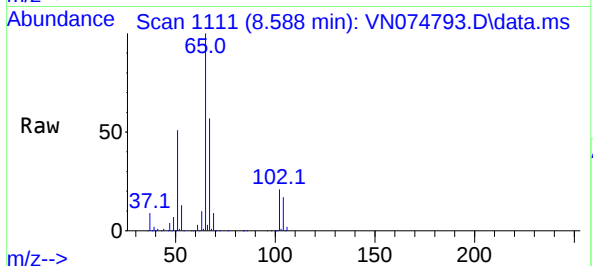




#33
1,2-Dichloroethane-d4
Concen: 58.458 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

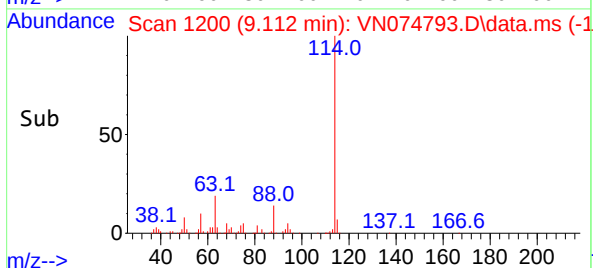
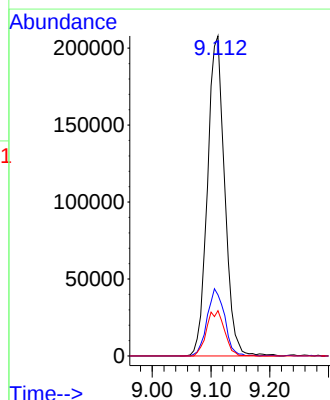
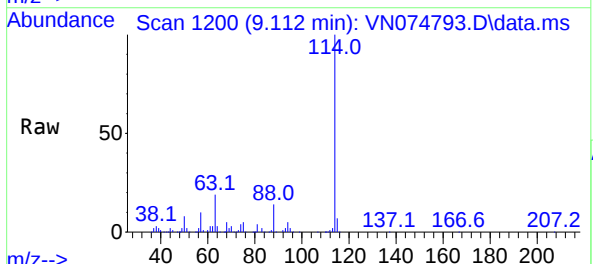
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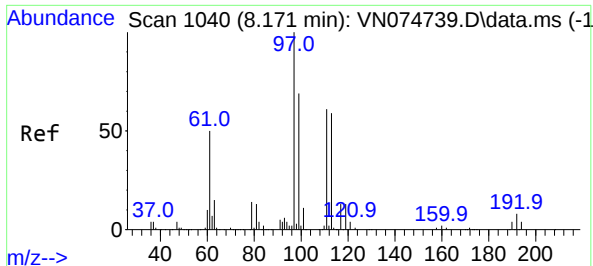
Tgt Ion: 65 Resp: 316327
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 114 Resp: 422448
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.2
88 14.1 0.0 30.2

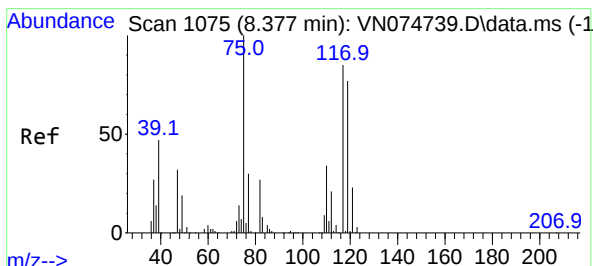
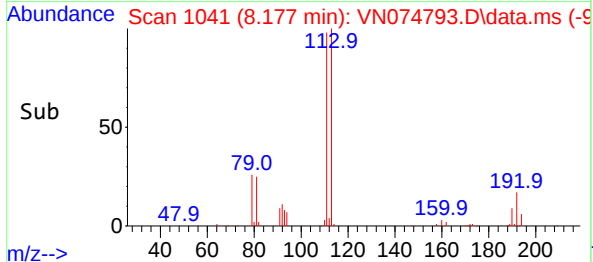
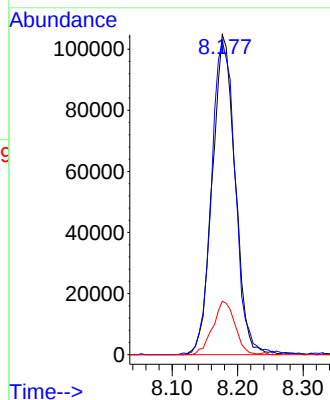
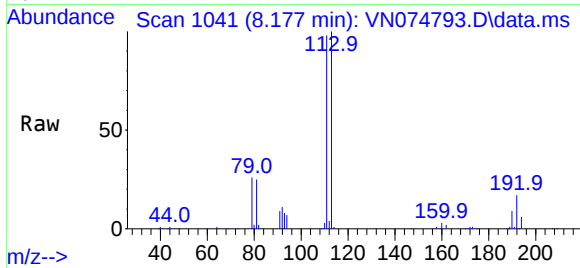




#35
Dibromofluoromethane
Concen: 59.274 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

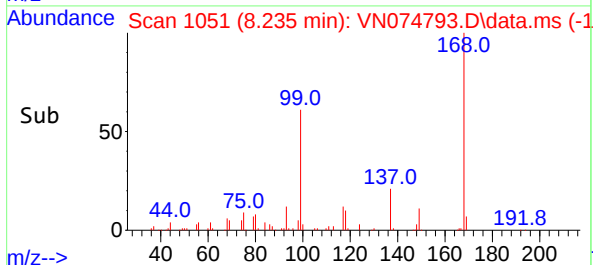
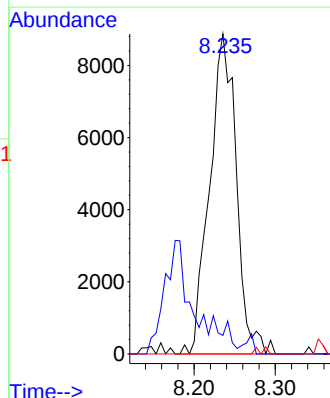
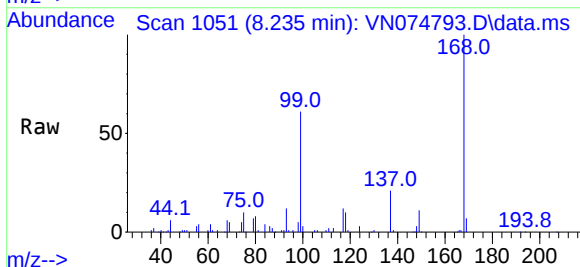
Instrument :
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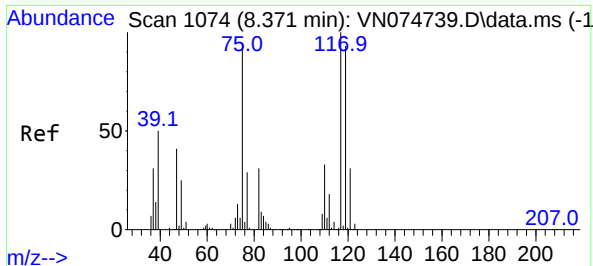
Tgt Ion:113 Resp: 252994
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 16.1 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.939 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 75 Resp: 20307
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.0 24.3 36.5#

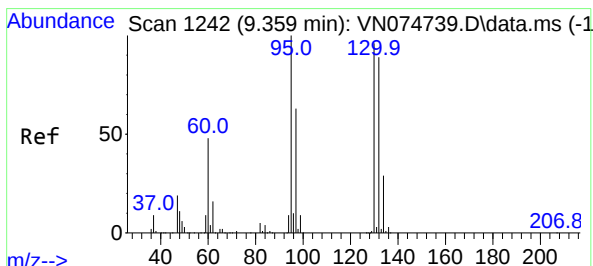
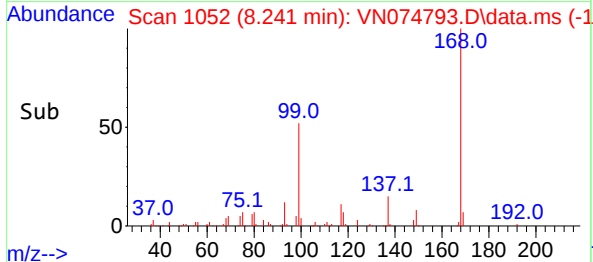
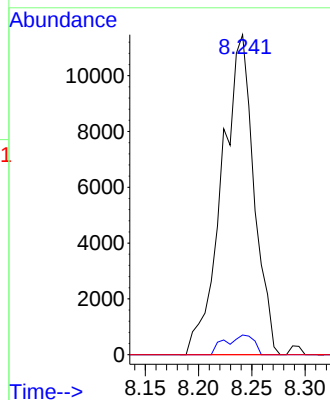
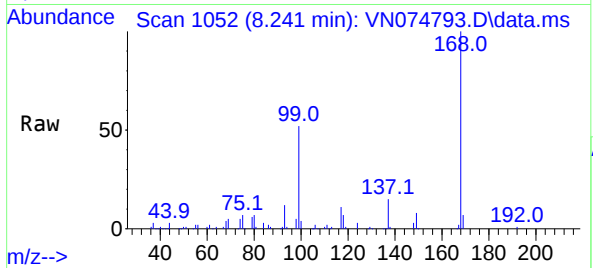




#38
Carbon Tetrachloride
Concen: 3.698 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.130 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

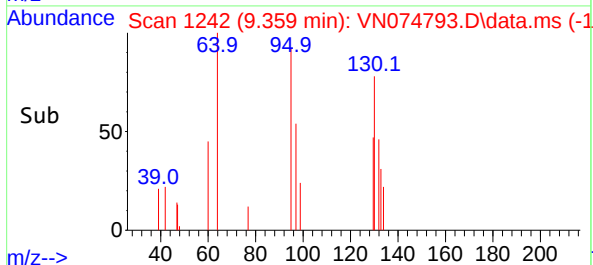
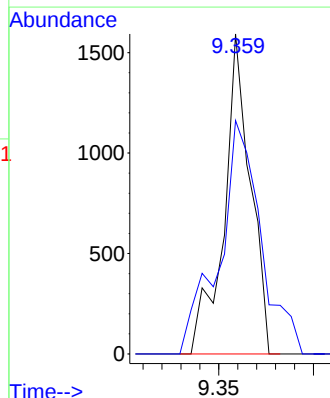
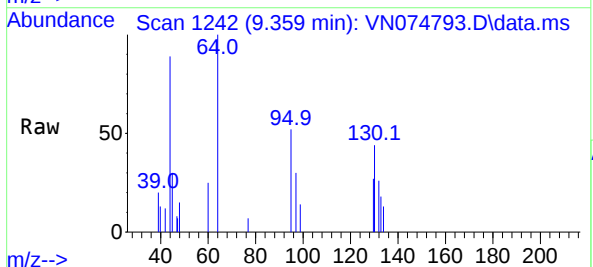
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

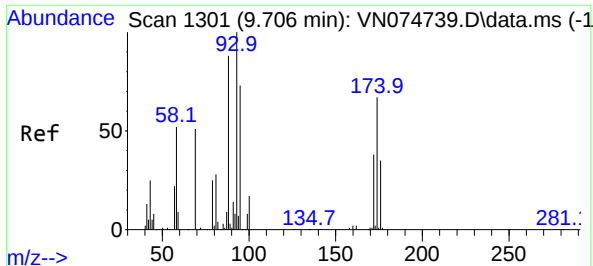
Tgt Ion:117 Resp: 24095
Ion Ratio Lower Upper
117 100
119 6.2 74.3 111.5#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 0.331 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion:130 Resp: 1541
Ion Ratio Lower Upper
130 100
95 72.9 0.0 207.6

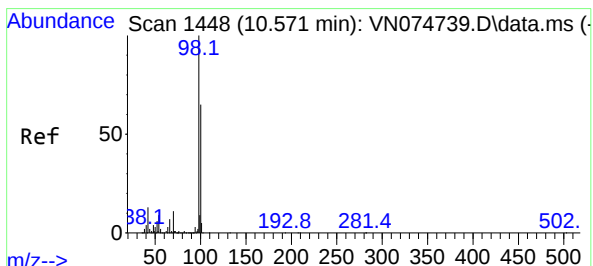
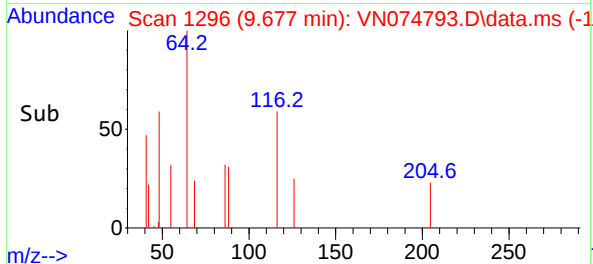
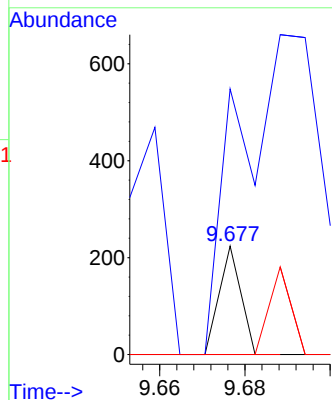
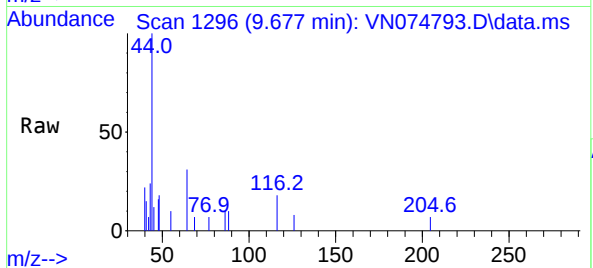




#49
1,4-Dioxane
Concen: 0.518 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

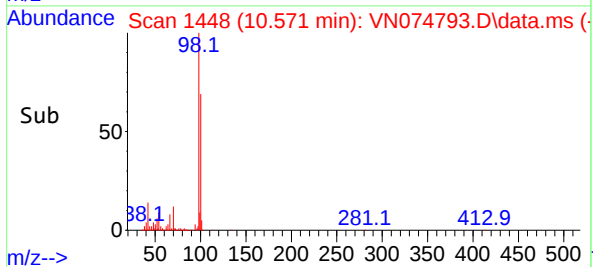
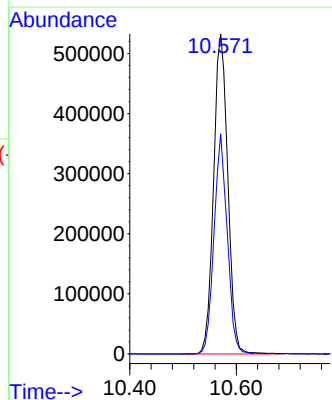
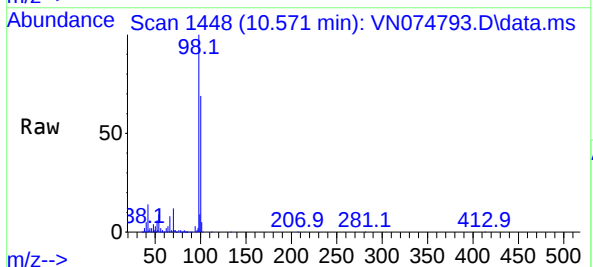
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

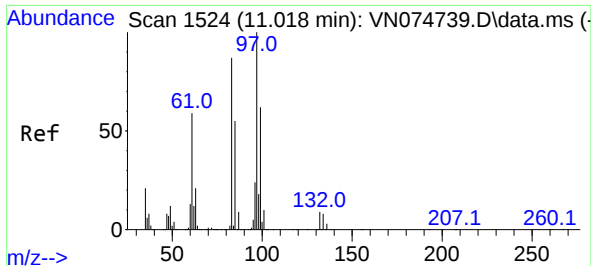
Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 1265.8 23.4 35.2#
58 81.0 54.9 82.3



#50
Toluene-d8
Concen: 53.812 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 98 Resp: 985549
Ion Ratio Lower Upper
98 100
100 64.3 50.7 76.1

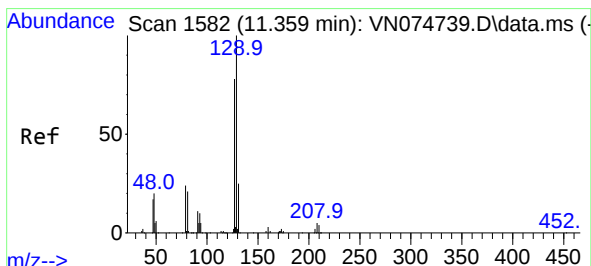
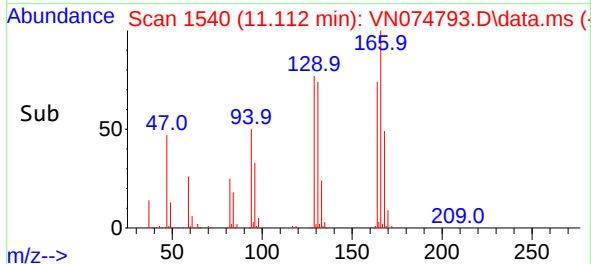
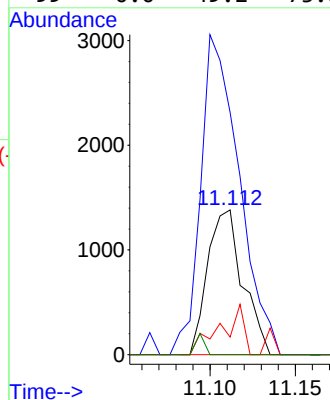
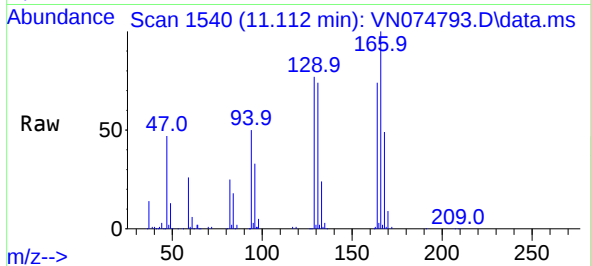




#55
1,1,2-Trichloroethane
Concen: 0.367 ug/l
RT: 11.112 min Scan# 11
Delta R.T. 0.094 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

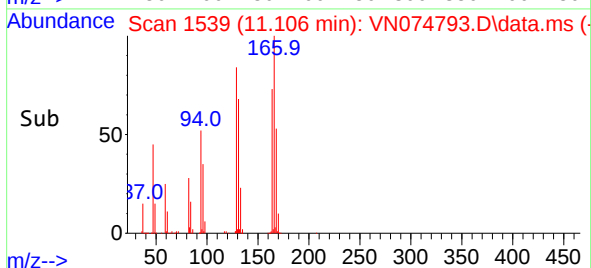
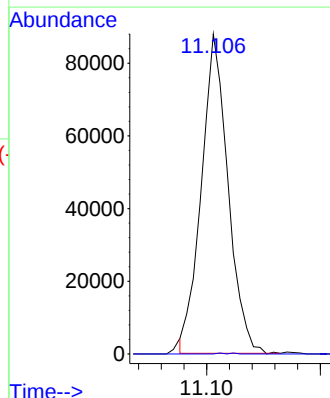
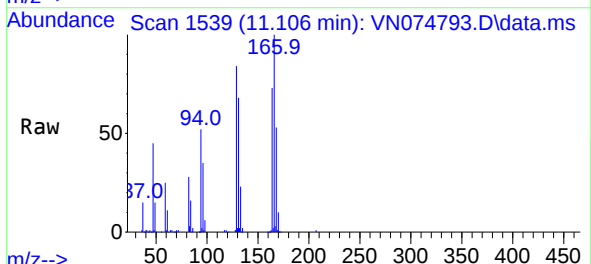
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

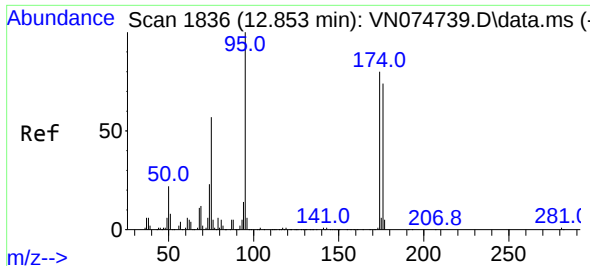
Tgt Ion: 97	Resp: 1983
Ion Ratio	Lower Upper
97 100	
83 167.4	69.7 104.5#
85 12.2	43.8 65.6#
99 0.0	49.2 73.8#



#60
Dibromochloromethane
Concen: 26.870 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.253 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 129	Resp: 142995
Ion Ratio	Lower Upper
129 100	
127 0.1	39.5 118.3#

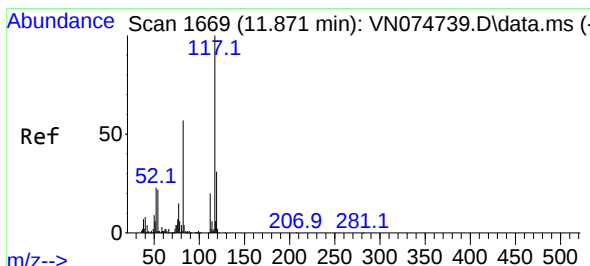
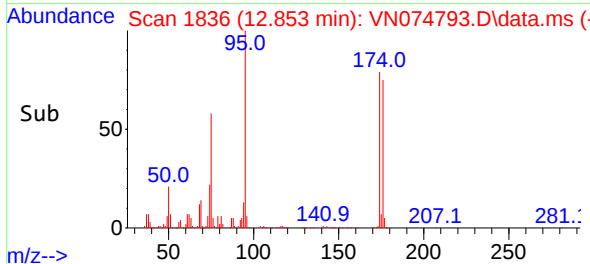
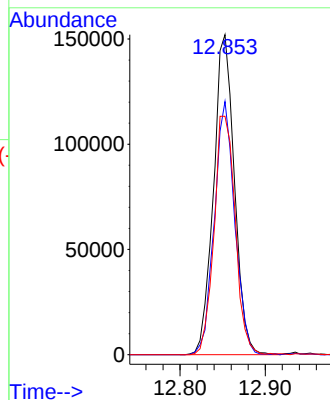
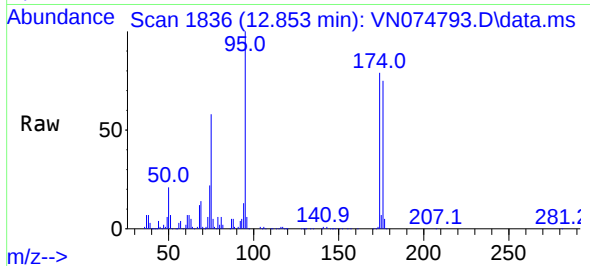




#62
4-Bromofluorobenzene
Concen: 46.592 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

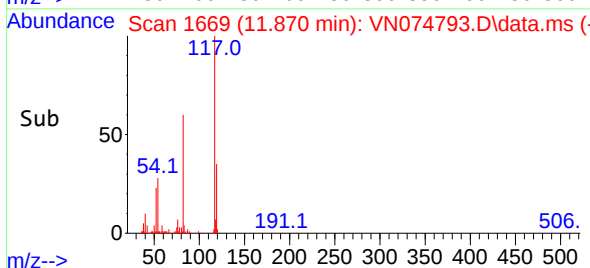
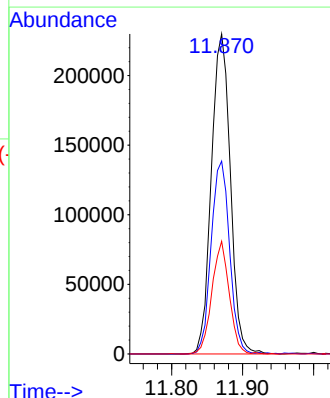
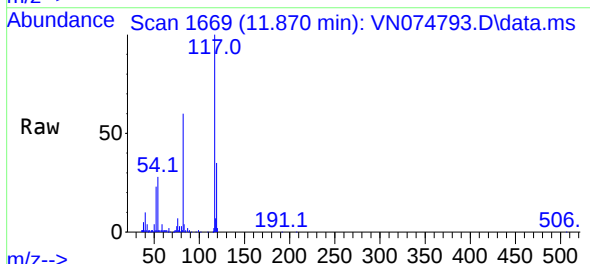
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

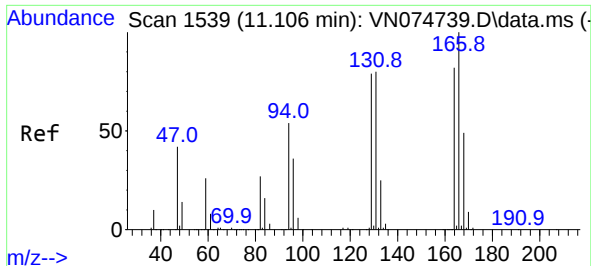
Tgt Ion: 95 Resp: 259391
Ion Ratio Lower Upper
95 100
174 77.5 0.0 149.4
176 75.7 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 117 Resp: 426781
Ion Ratio Lower Upper
117 100
82 60.3 45.4 68.2
119 35.2 25.1 37.7



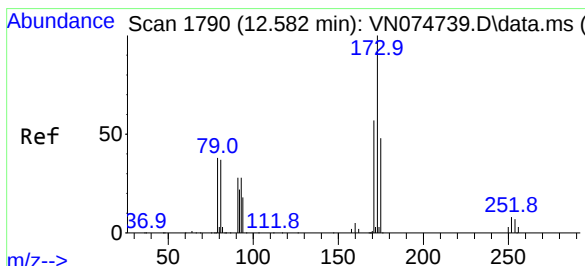
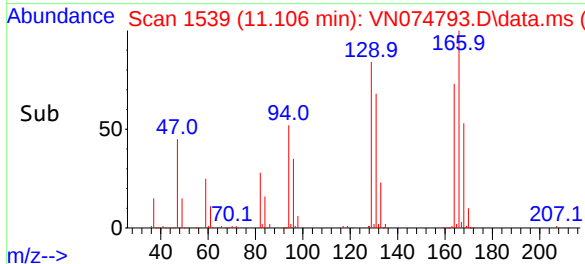
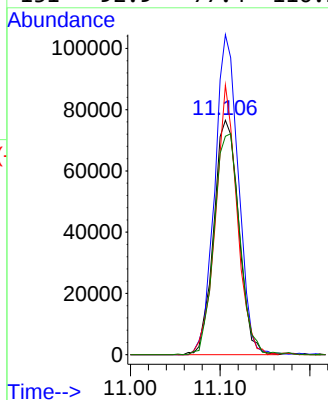
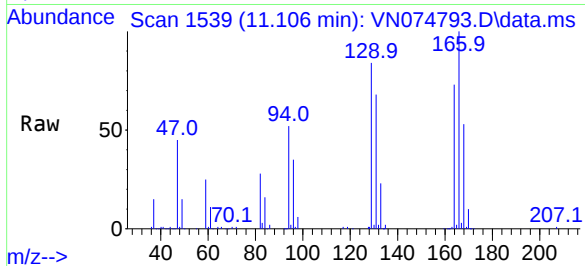


#64
Tetrachloroethene
Concen: 42.752 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

Tgt Ion:164 Resp: 148117

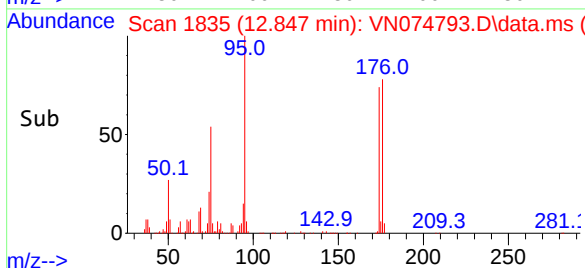
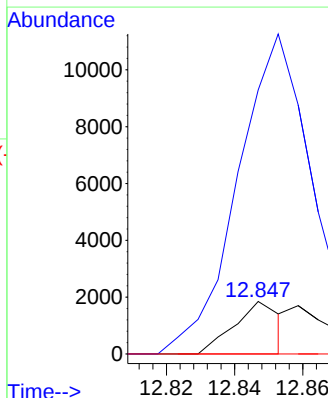
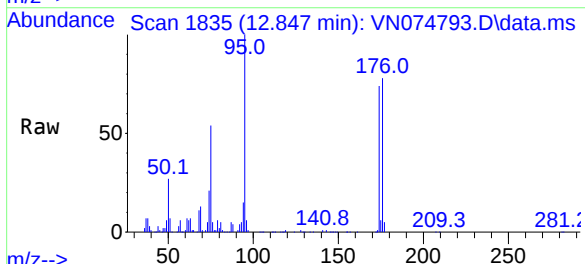
Ion	Ratio	Lower	Upper
164	100		
166	136.5	97.0	145.6
129	115.0	77.0	115.6
131	92.9	77.4	116.2

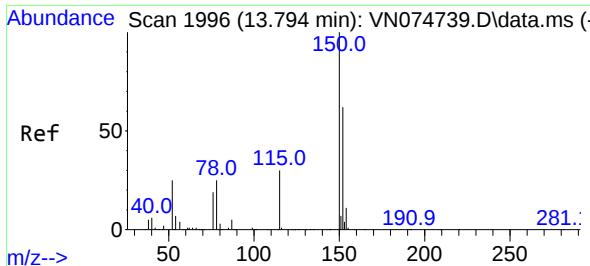


#71
Bromoform
Concen: 0.476 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.264 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion:173 Resp: 1734

Ion	Ratio	Lower	Upper
173	100		
175	817.3	23.9	71.7#
254	0.0	0.1	0.1#



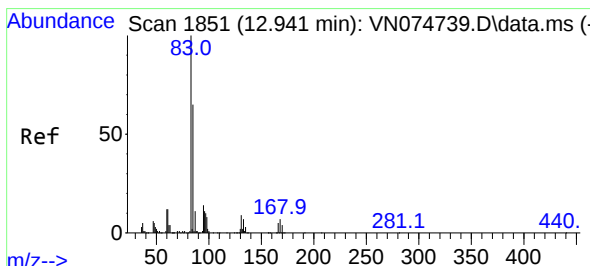
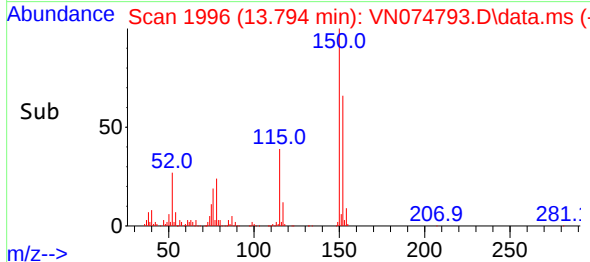
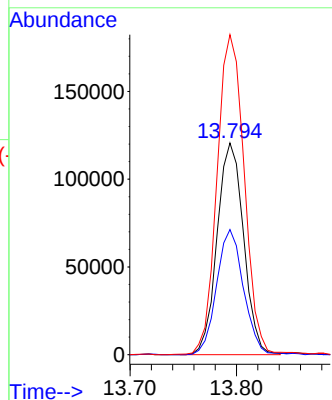
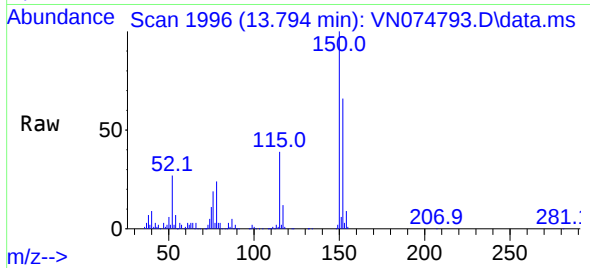


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074793.D
 Acq: 06 Oct 2022 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL

Tgt Ion:152 Resp: 207992

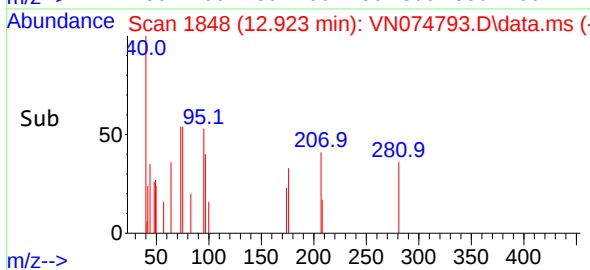
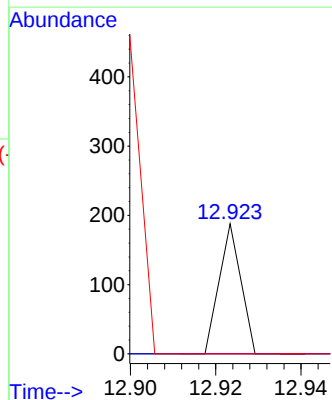
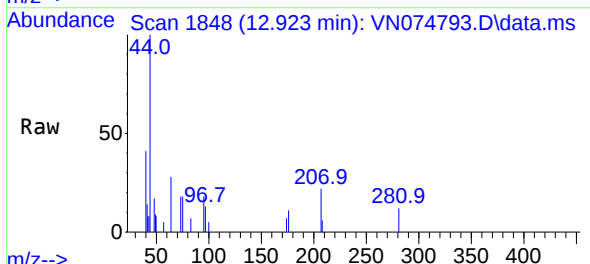
Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.0	90.0
150	156.0	0.0	356.4

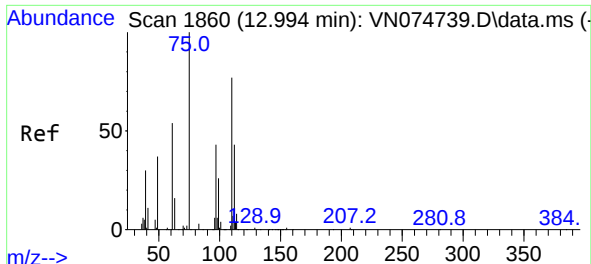


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.923 min Scan# 1848
 Delta R.T. -0.018 min
 Lab File: VN074793.D
 Acq: 06 Oct 2022 19:05

Tgt Ion: 83 Resp: 66

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

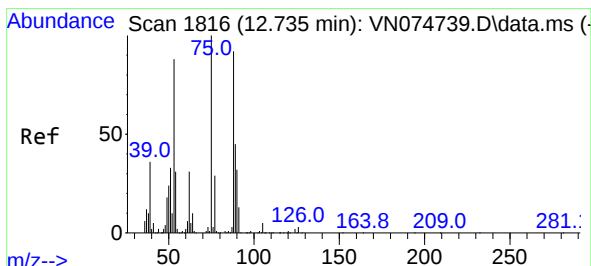
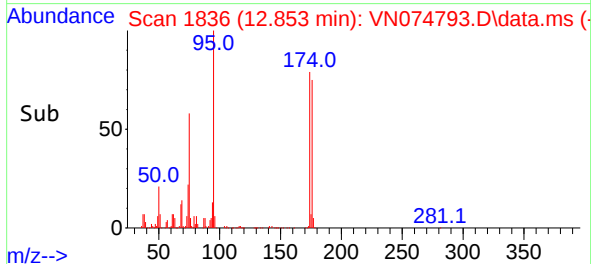
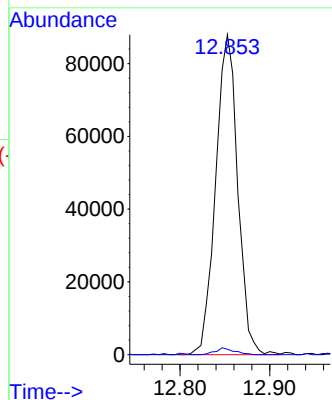
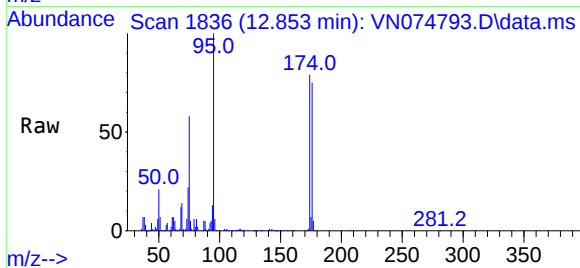




#76
1,2,3-Trichloropropane
Concen: 24.181 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

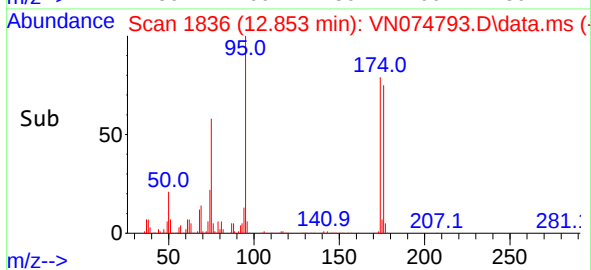
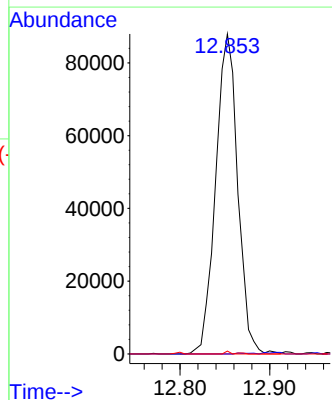
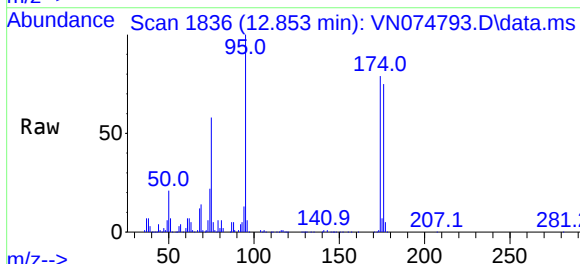
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

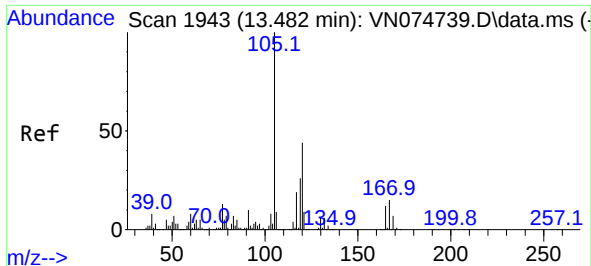
Tgt Ion: 75 Resp: 150114
Ion Ratio Lower Upper
75 100
77 1.8 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 47.113 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

Tgt Ion: 75 Resp: 150114
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.3 32.1 48.1#

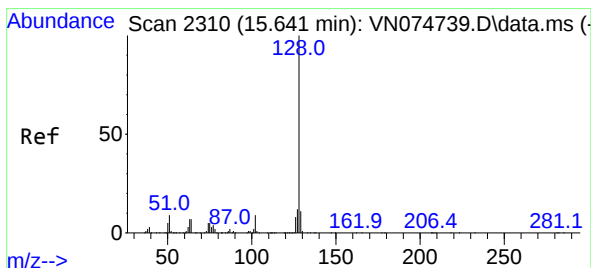
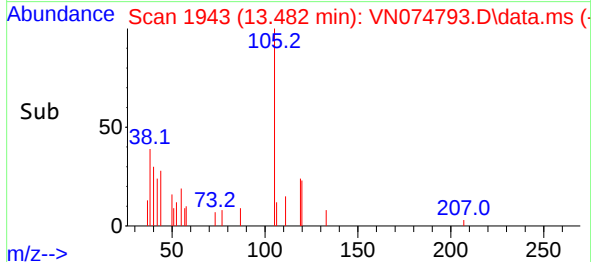
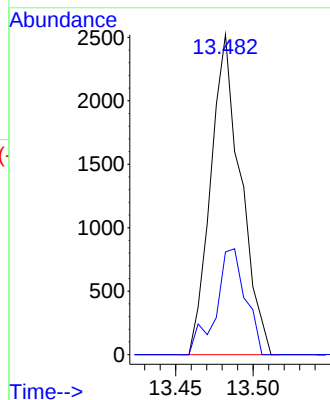
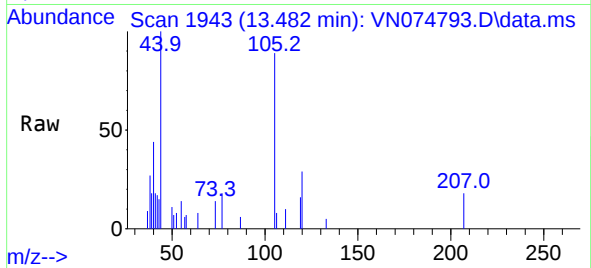




#84
1,2,4-Trimethylbenzene
Concen: 0.211 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

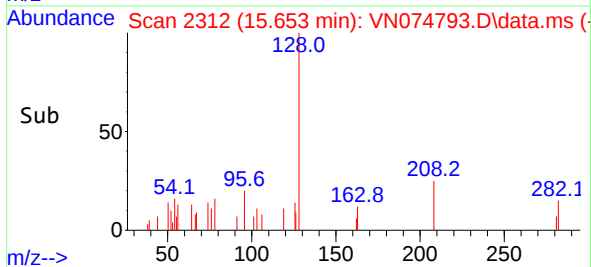
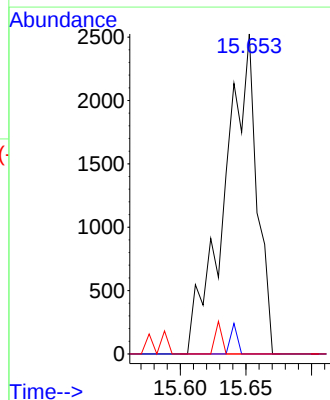
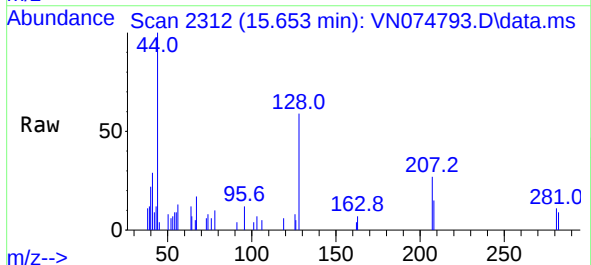
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

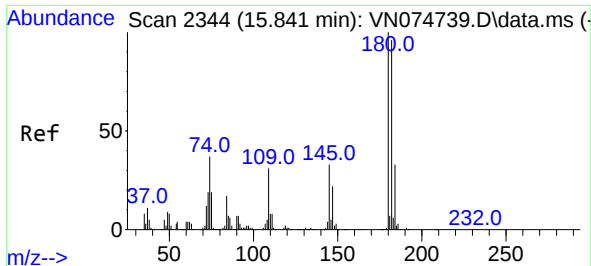
Tgt Ion:105 Resp: 3398
Ion Ratio Lower Upper
105 100
120 32.6 21.7 65.1



#95
Naphthalene
Concen: 0.299 ug/l
RT: 15.653 min Scan# 2312
Delta R.T. 0.012 min
Lab File: VN074793.D
Acq: 06 Oct 2022 19:05

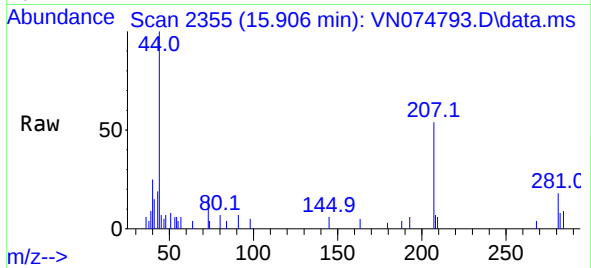
Tgt Ion:128 Resp: 4326
Ion Ratio Lower Upper
128 100
127 2.0 10.2 15.2#
129 0.0 9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.906 min Scan# 21
 Delta R.T. 0.065 min
 Lab File: VN074793.D
 Acq: 06 Oct 2022 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL



Tgt Ion:180 Resp: 53
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 201.9 17.1 51.2#

