

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074785.D
 Acq On : 06 Oct 2022 15:51
 Operator : JC\MD
 Sample : N4910-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1D

Quant Time: Oct 06 19:04:37 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)

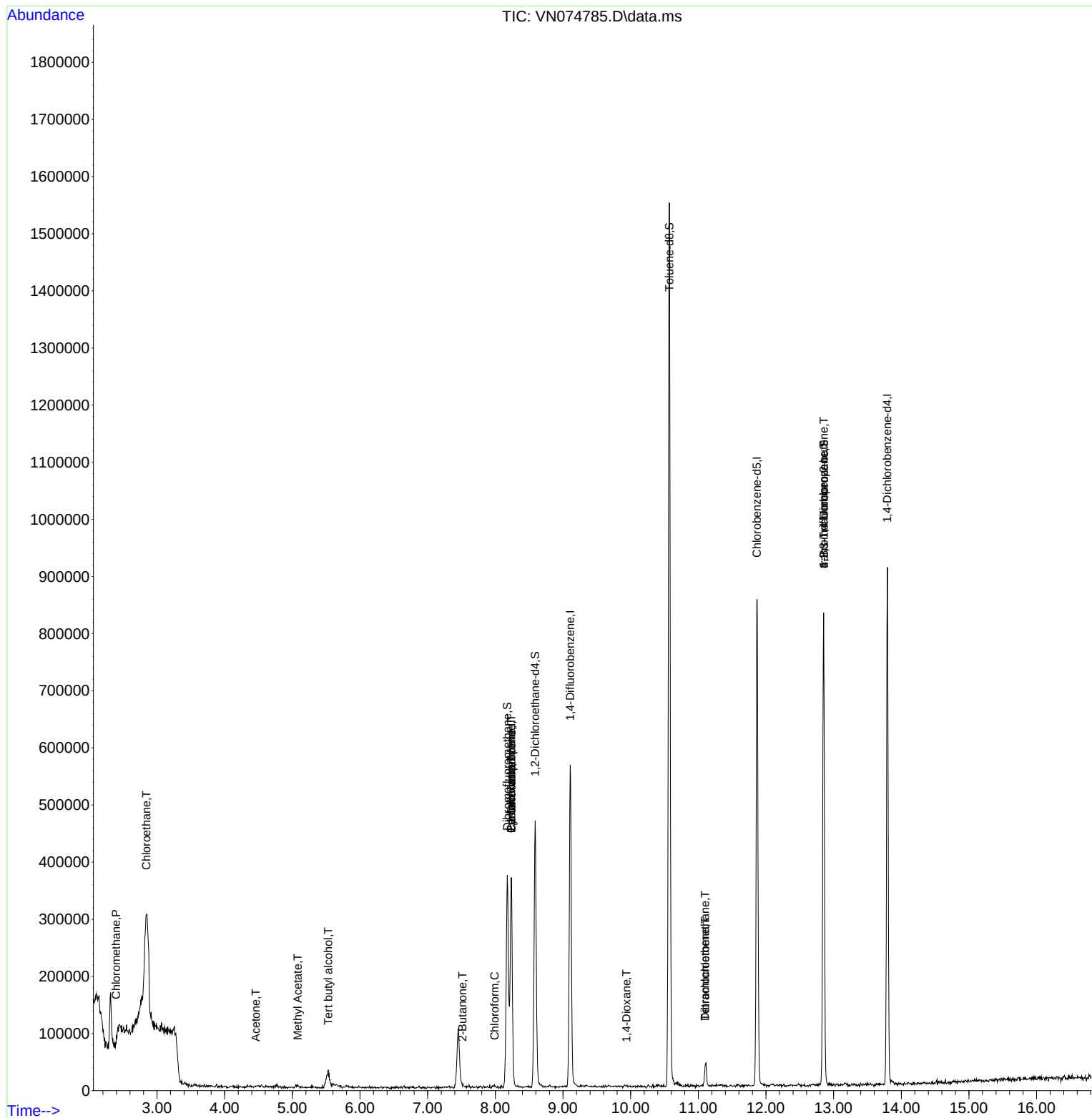
Internal Standards						
1) Pentafluorobenzene	8.236	168	251165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	479895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	476924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	335150	56.317	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.640%			
35) Dibromofluoromethane	8.177	113	260469	53.720	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.440%			
50) Toluene-d8	10.571	98	1037687	49.877	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.853	95	260879	41.250	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 82.500%#			
Target Compounds						Qvalue
3) Chloromethane	2.395	50	1811	0.236	ug/l	89
6) Chloroethane	2.842	64	219841	31.328	ug/l #	55
11) Tert butyl alcohol	5.530	59	22877	11.478	ug/l #	80
13) Acrolein	4.189	56	58	Below Cal	#	15
16) Acetone	4.459	43	1788	0.530	ug/l #	73
18) Methyl Acetate	5.077	43	5546	0.444	ug/l #	86
20) Methylene Chloride	5.300	84	571	Below Cal	#	10
25) 2-Butanone	7.512	43	2376	0.388	ug/l #	48
30) Chloroform	7.989	83	2572	0.256	ug/l	93
31) Cyclohexane	8.236	56	7106	0.691	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	24543	3.127	ug/l #	51
38) Carbon Tetrachloride	8.236	117	28350	3.831	ug/l #	20
49) 1,4-Dioxane	9.935	88	66	0.381	ug/l #	1
60) Dibromochloromethane	11.100	129	9465	1.566	ug/l #	10
64) Tetrachloroethene	11.100	164	5250	1.356	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.953	83	54	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	155303	23.084	ug/l #	1
77) Bromobenzene	12.847	156	232	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	155303	44.975	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.835	180	241	Below Cal	#	66

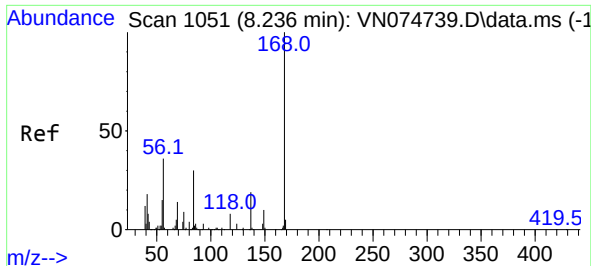
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

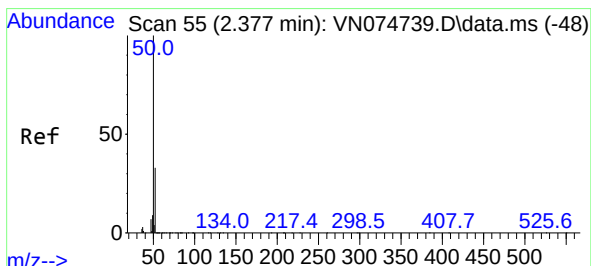
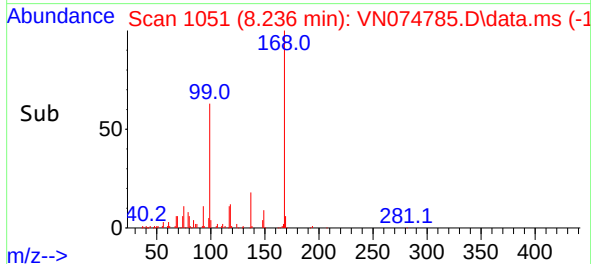
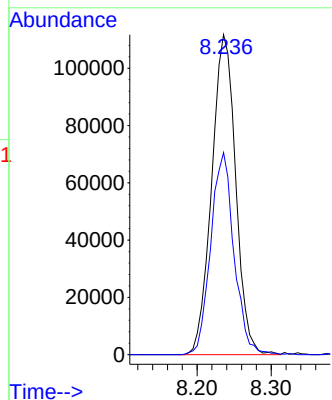
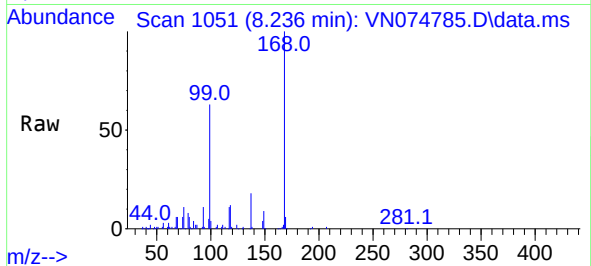




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

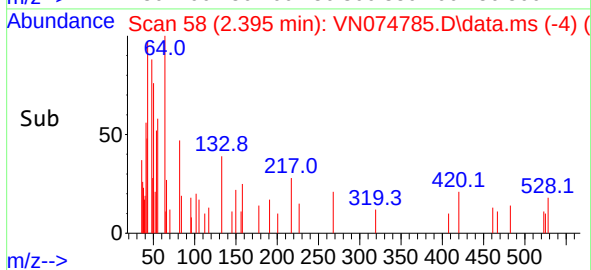
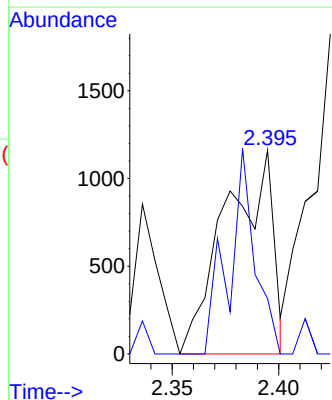
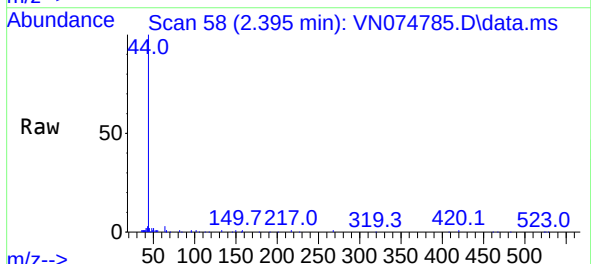
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

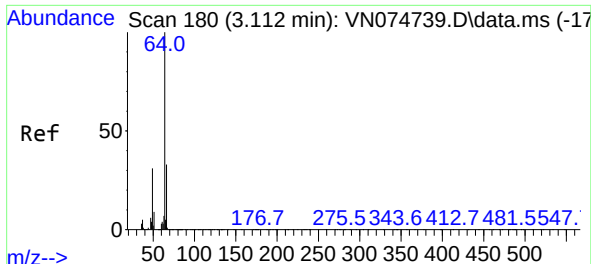
Tgt Ion:168 Resp: 251165
Ion Ratio Lower Upper
168 100
99 63.1 42.8 64.2



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.395 min Scan# 58
Delta R.T. 0.018 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 50 Resp: 1811
Ion Ratio Lower Upper
50 100
52 27.2 26.7 40.1

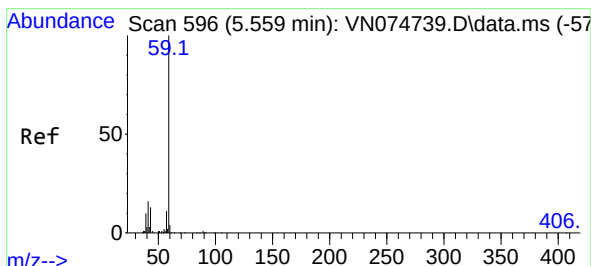
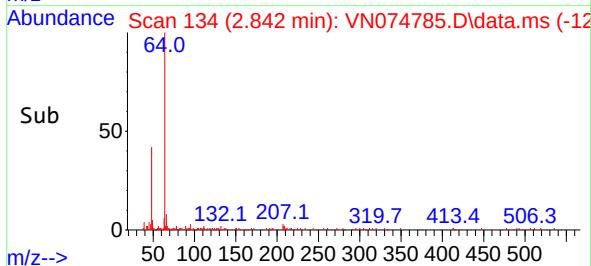
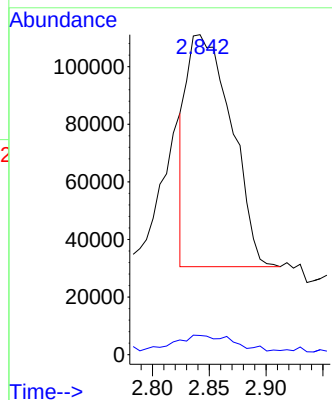
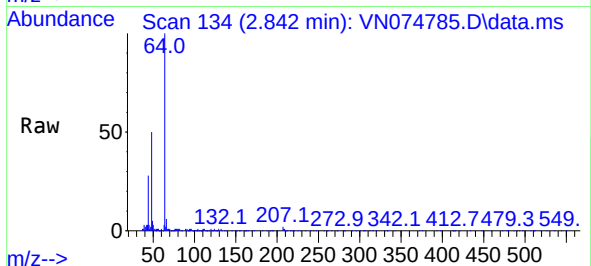




#6
Chloroethane
Concen: 31.328 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.271 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

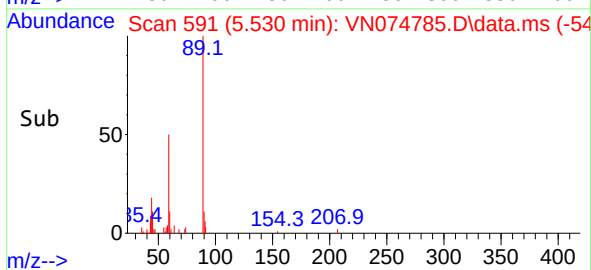
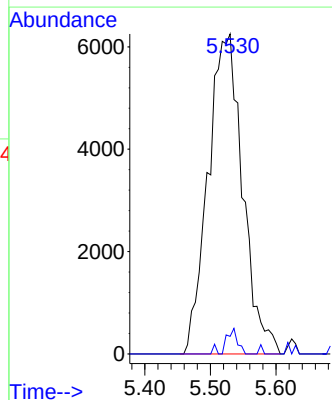
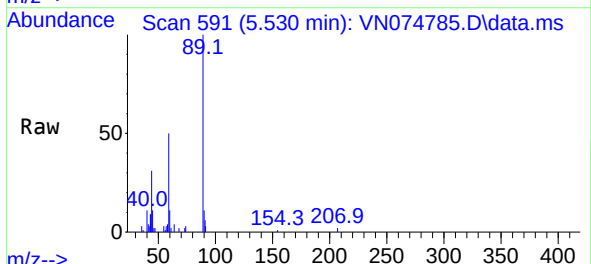
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

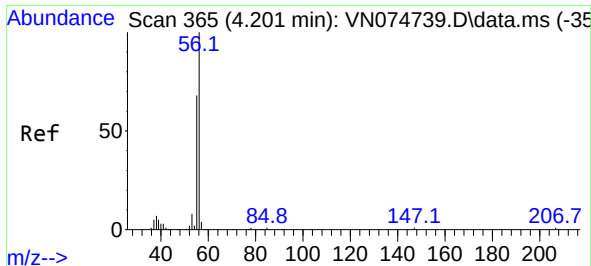
Tgt Ion: 64 Resp: 219841
Ion Ratio Lower Upper
64 100
66 6.5 25.1 37.7#



#11
Tert butyl alcohol
Concen: 11.478 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.029 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 59 Resp: 22877
Ion Ratio Lower Upper
59 100
57 2.4 7.7 11.5#

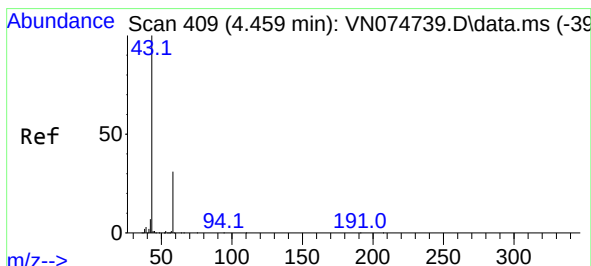
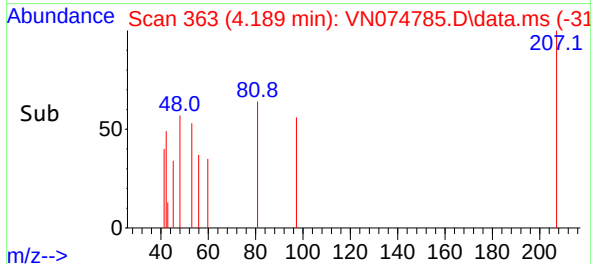
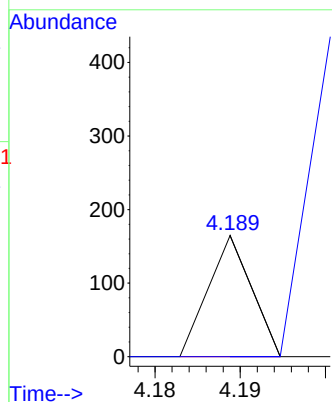
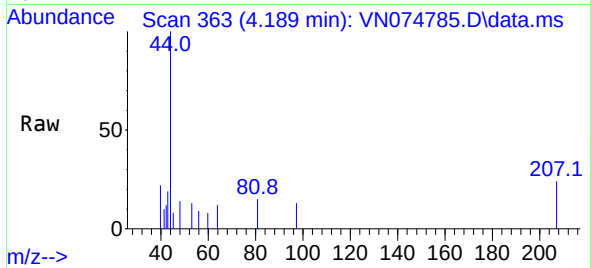




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 363
Delta R.T. -0.012 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

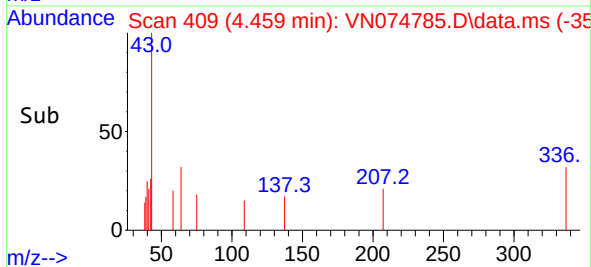
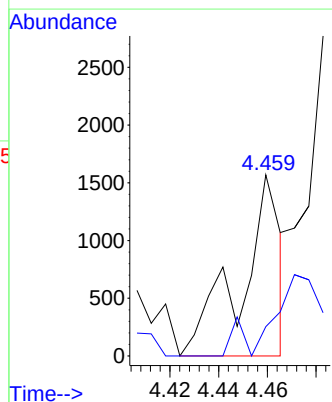
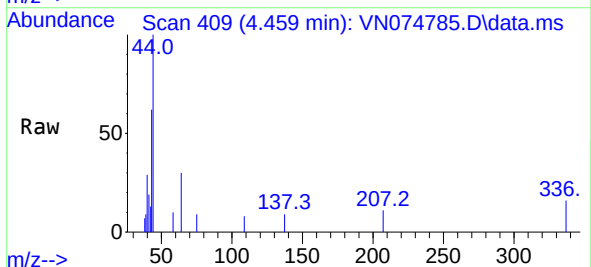
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

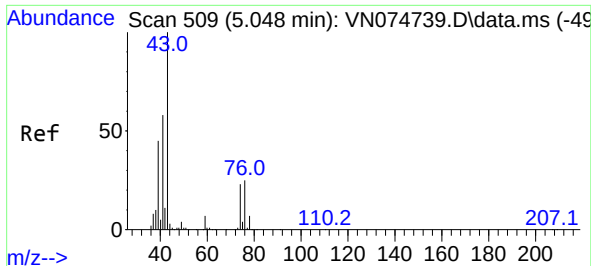
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 0.530 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
58 16.2 24.9 37.3#

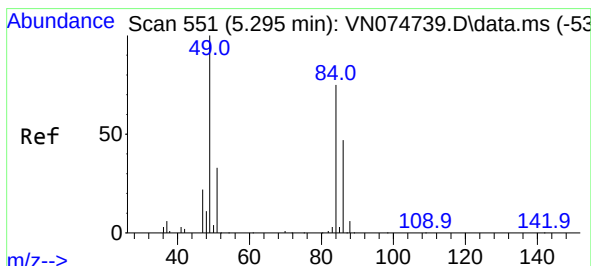
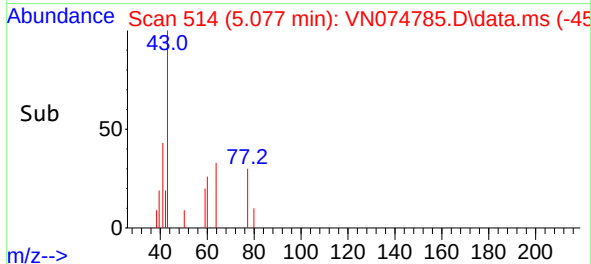
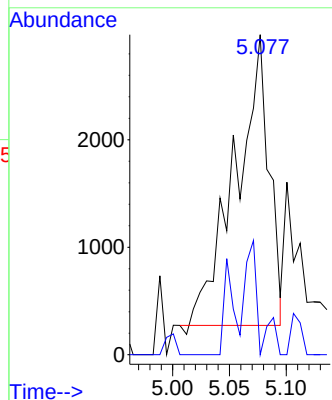
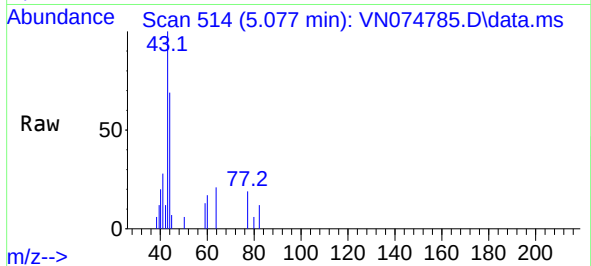




#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 5.077 min Scan# 514
Delta R.T. 0.029 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

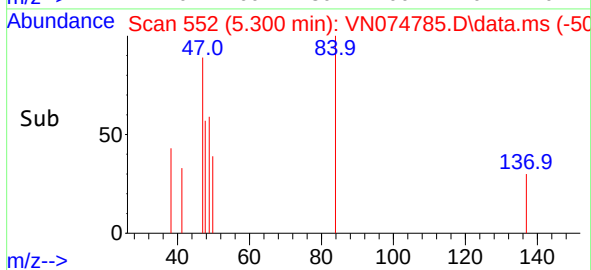
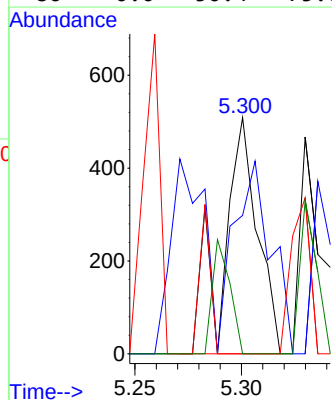
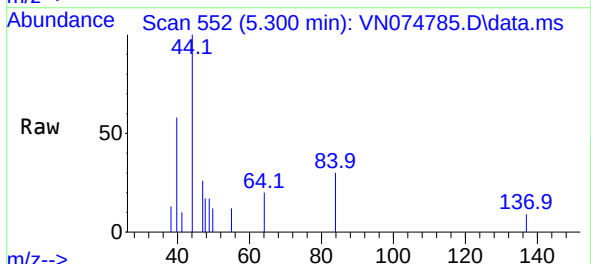
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

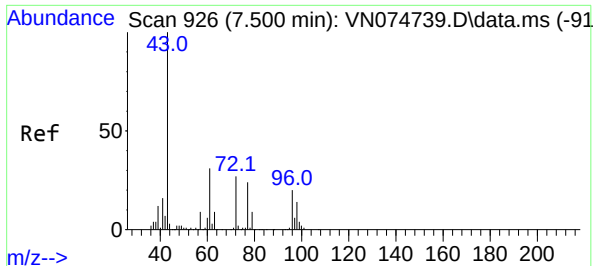
Tgt Ion: 43 Resp: 5546
Ion Ratio Lower Upper
43 100
74 16.1 18.5 27.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 84 Resp: 571
Ion Ratio Lower Upper
84 100
49 13.2 107.4 161.0#
51 0.0 35.1 52.7#
86 0.0 50.4 75.6#

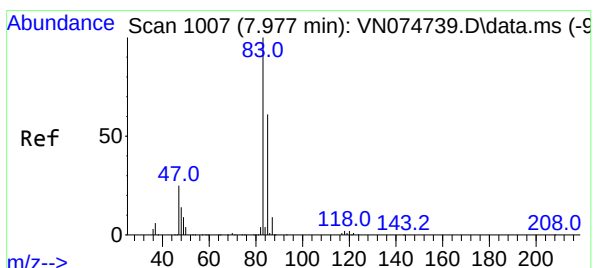
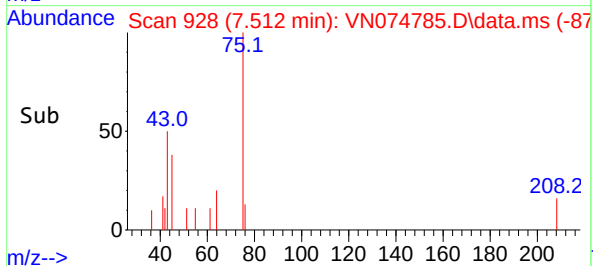
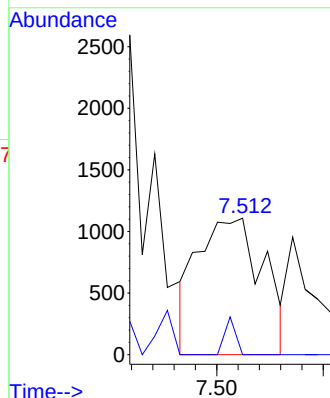
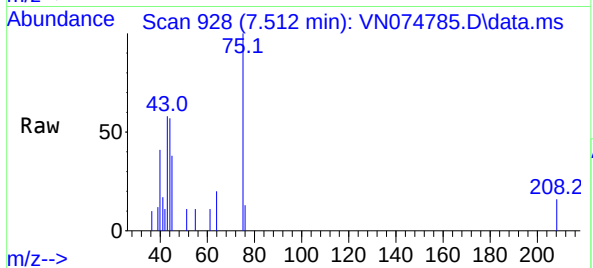




#25
2-Butanone
Concen: 0.388 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

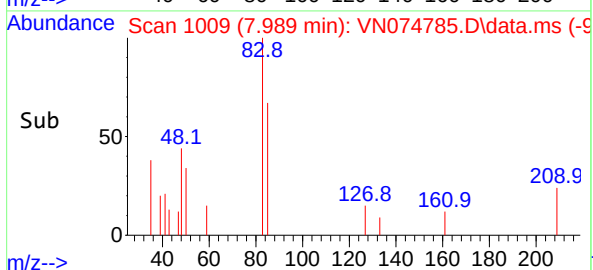
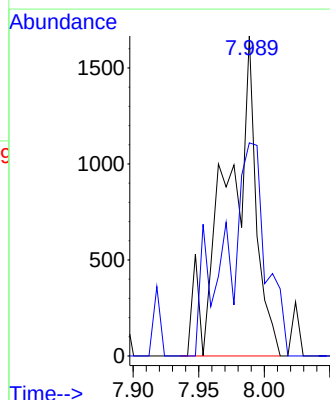
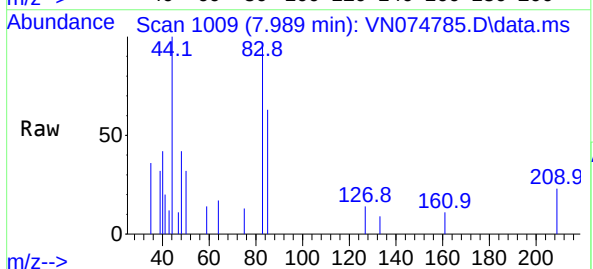
Instrument :
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ClientSampleId :
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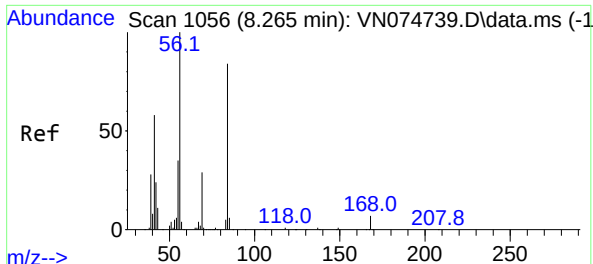
Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#30
Chloroform
Concen: 0.256 ug/l
RT: 7.989 min Scan# 1009
Delta R.T. 0.012 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 83 Resp: 2572
Ion Ratio Lower Upper
83 100
85 66.6 49.0 73.4

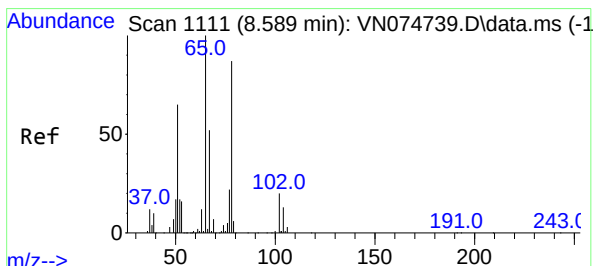
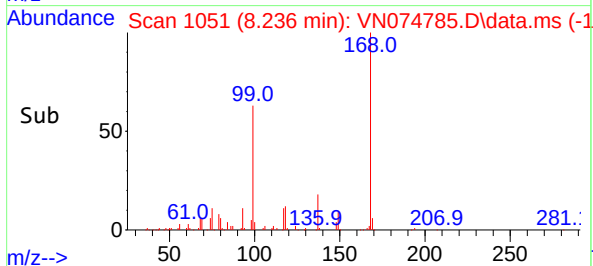
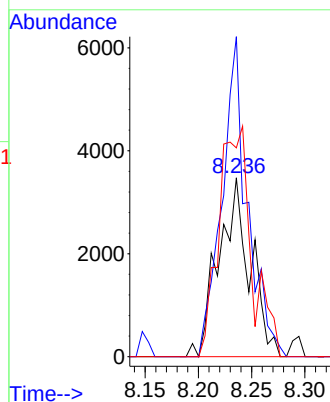
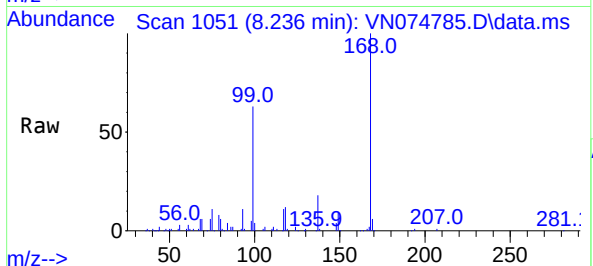




#31
Cyclohexane
Concen: 0.691 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

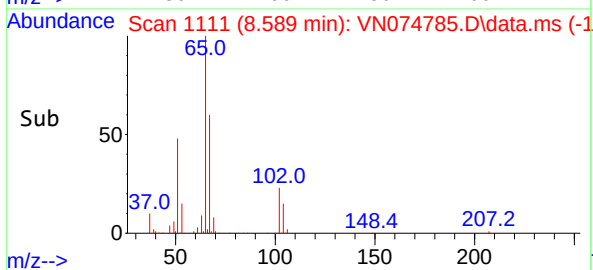
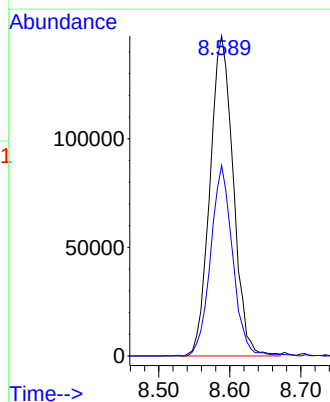
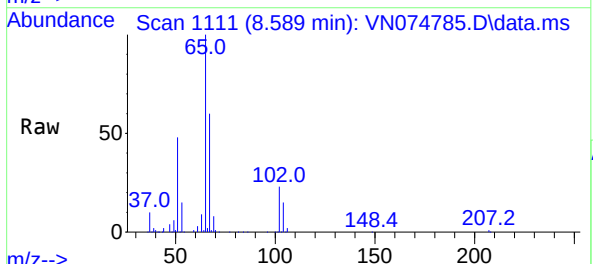
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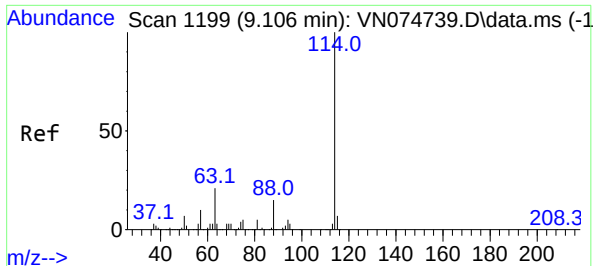
Tgt Ion: 56 Resp: 7106
Ion Ratio Lower Upper
56 100
69 178.9 23.1 34.7#
84 116.7 67.1 100.7#



#33
1,2-Dichloroethane-d4
Concen: 56.317 ug/l
RT: 8.589 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 65 Resp: 335150
Ion Ratio Lower Upper
65 100
67 56.1 0.0 109.0



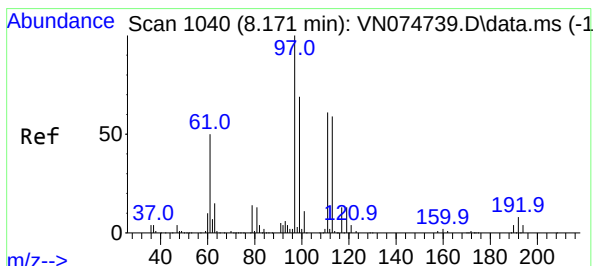
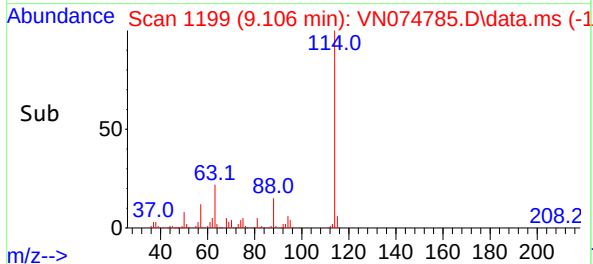
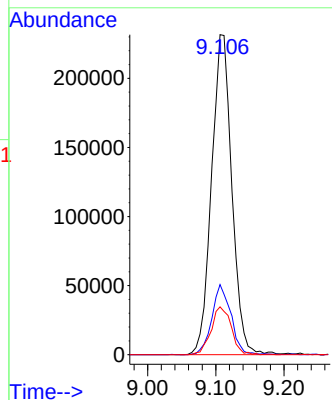
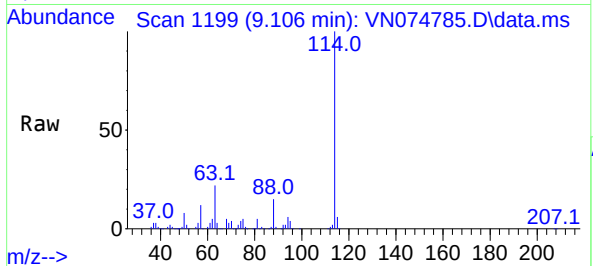


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
MW-1D

Tgt Ion:114 Resp: 479895

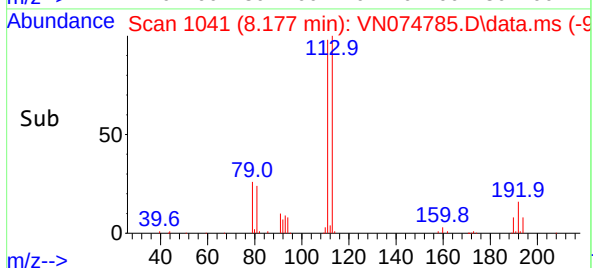
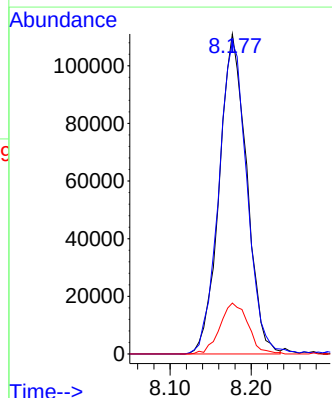
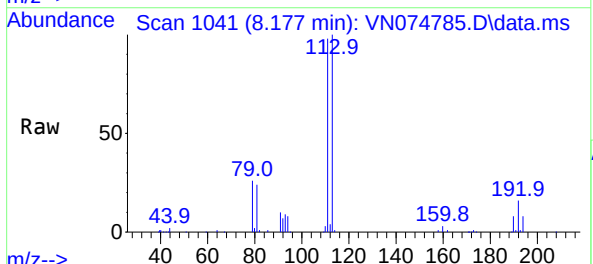
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.2
88	14.9	0.0	30.2

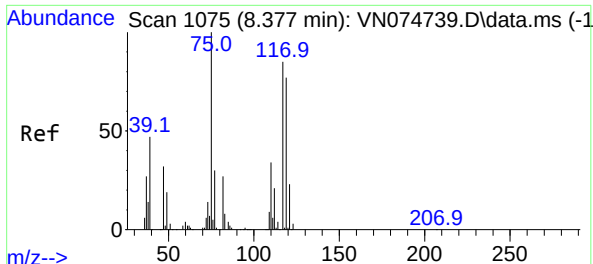


#35
Dibromofluoromethane
Concen: 53.720 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion:113 Resp: 260469

Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.0	124.6
192	16.4	12.6	18.8

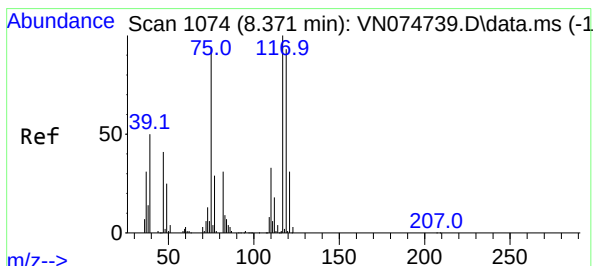
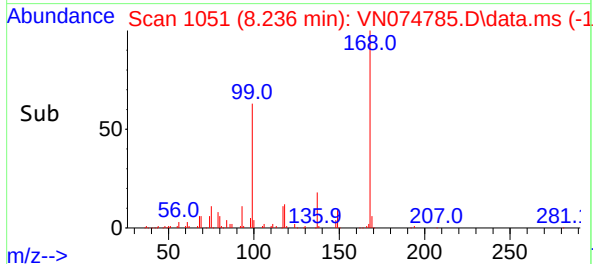
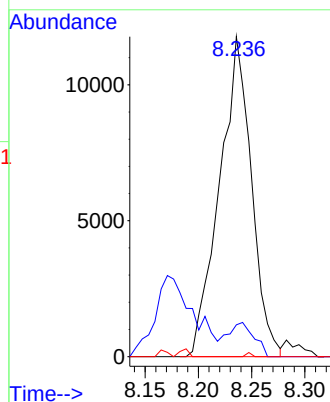
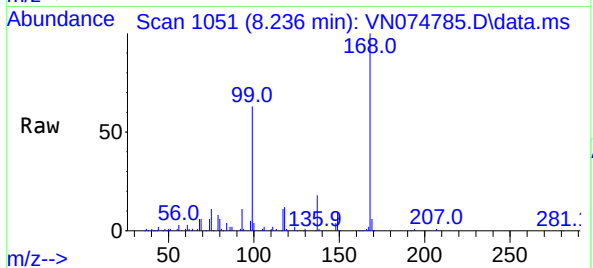




#36
 1,1-Dichloropropene
 Concen: 3.127 ug/l
 RT: 8.236 min Scan# 1051
 Delta R.T. -0.141 min
 Lab File: VN074785.D
 Acq: 06 Oct 2022 15:51

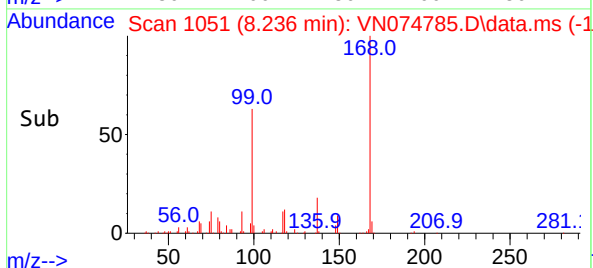
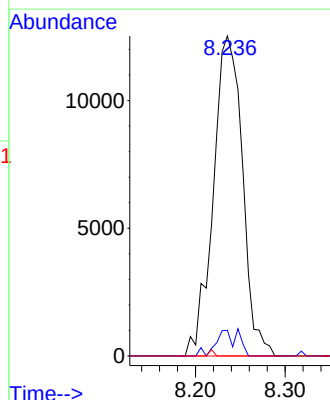
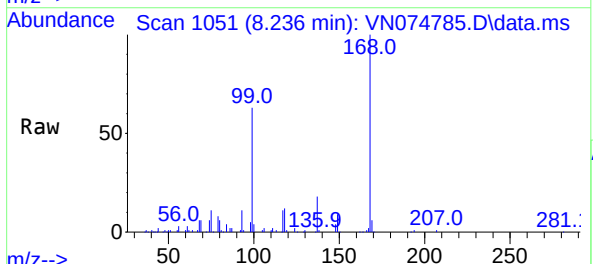
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1D

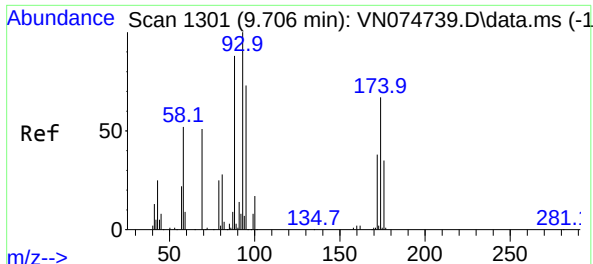
Tgt Ion: 75 Resp: 24543
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.2 51.5#
 77 0.2 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 3.831 ug/l
 RT: 8.236 min Scan# 1051
 Delta R.T. -0.135 min
 Lab File: VN074785.D
 Acq: 06 Oct 2022 15:51

Tgt Ion: 117 Resp: 28350
 Ion Ratio Lower Upper
 117 100
 119 8.0 74.3 111.5#
 121 0.0 25.0 37.4#

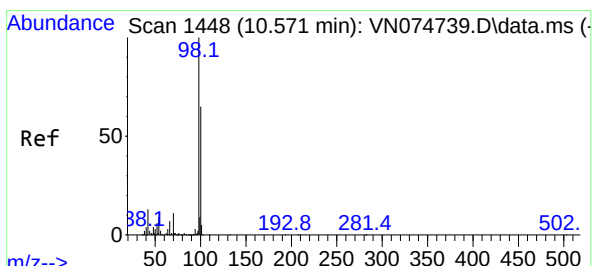
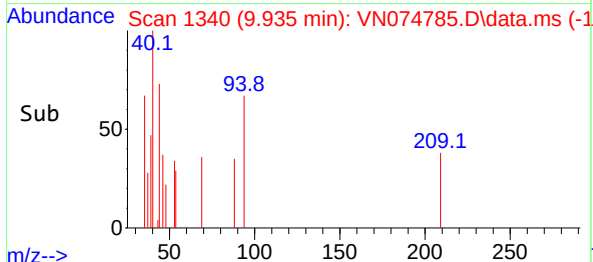
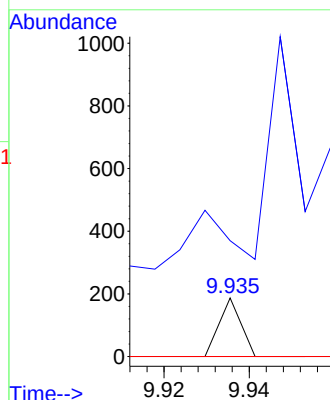
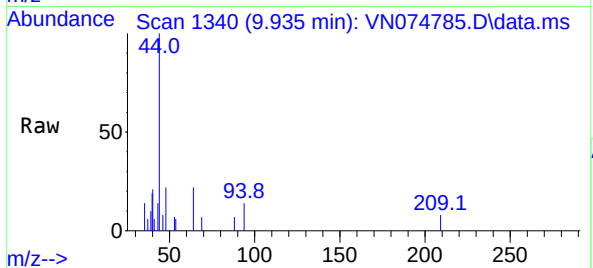




#49
1,4-Dioxane
Concen: 0.381 ug/l
RT: 9.935 min Scan# 11
Delta R.T. 0.229 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

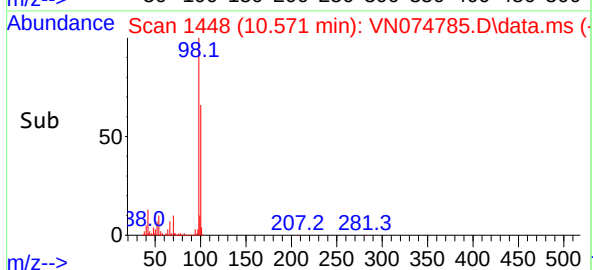
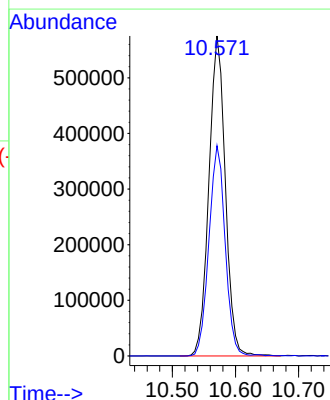
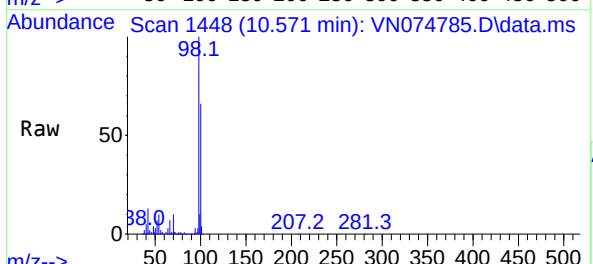
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

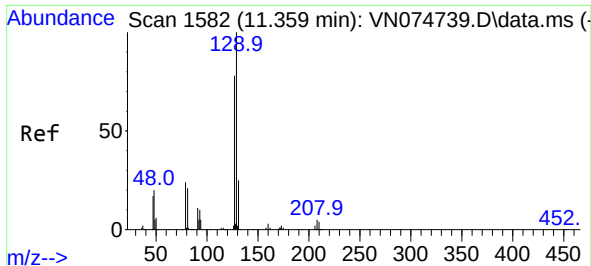
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 1945.5 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 49.877 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 98 Resp: 1037687
Ion Ratio Lower Upper
98 100
100 64.9 50.7 76.1

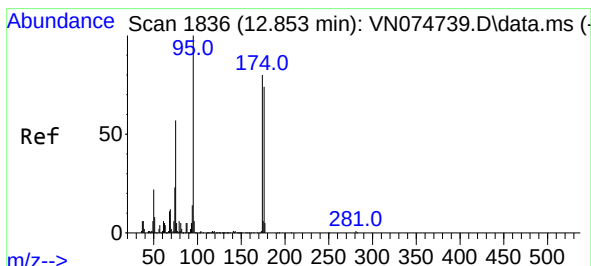
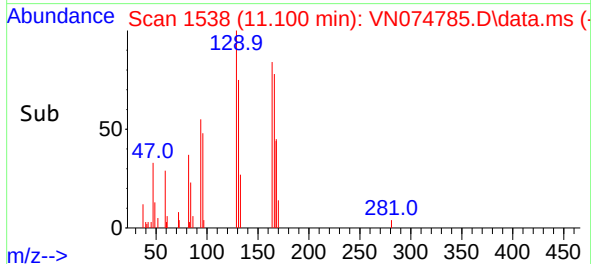
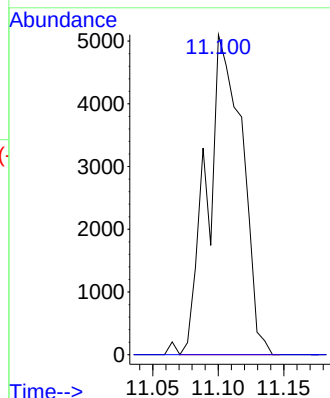
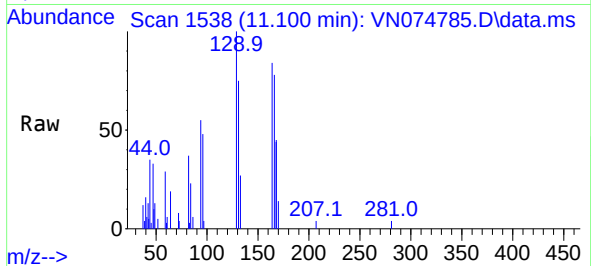




#60
Dibromochloromethane
Concen: 1.566 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

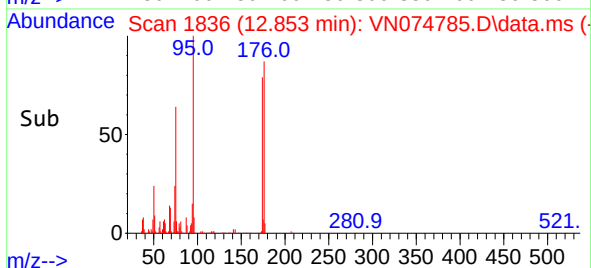
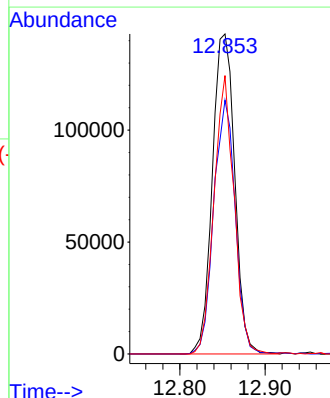
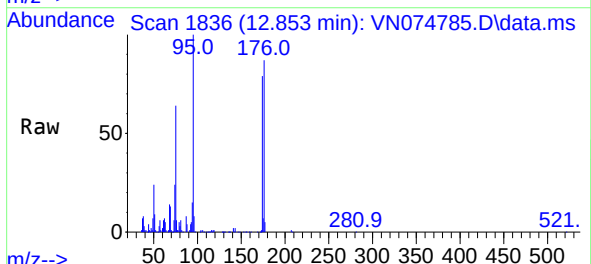
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

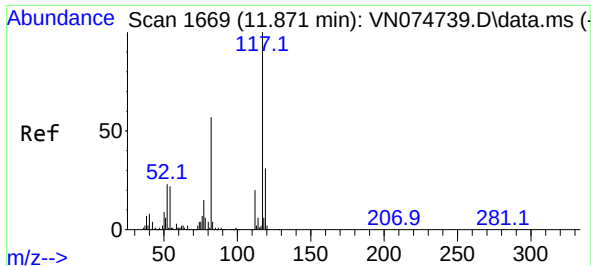
Tgt Ion:129 Resp: 9465
Ion Ratio Lower Upper
129 100
127 0.0 39.5 118.3#



#62
4-Bromofluorobenzene
Concen: 41.250 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion: 95 Resp: 260879
Ion Ratio Lower Upper
95 100
174 76.2 0.0 149.4
176 78.3 0.0 142.0

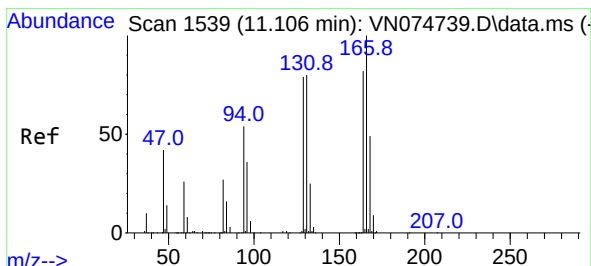
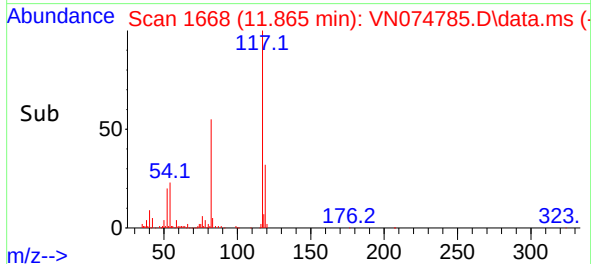
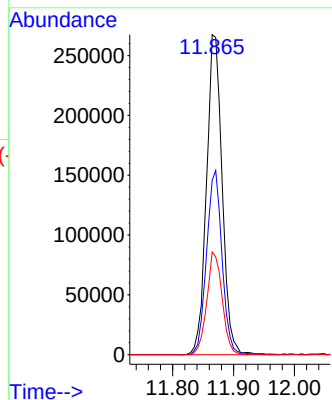
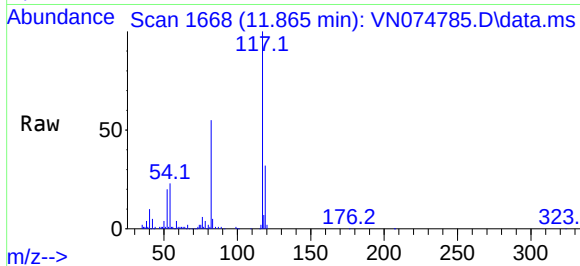




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

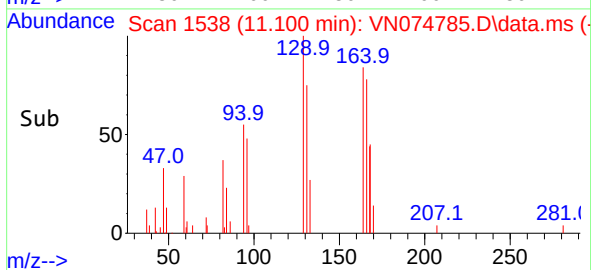
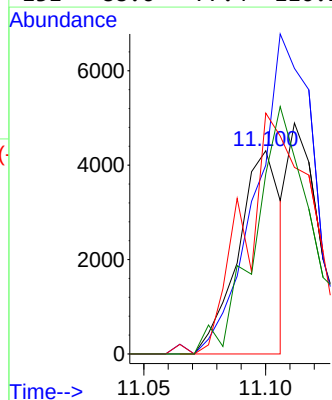
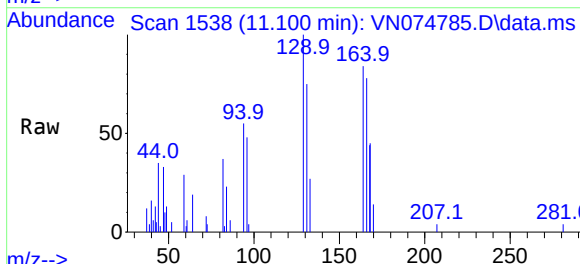
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

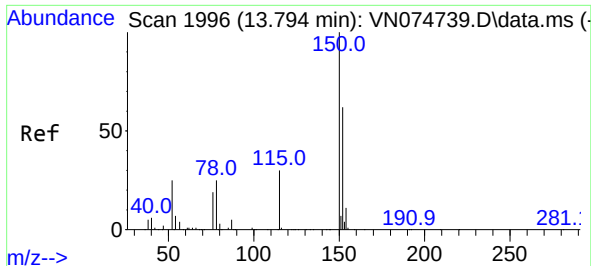
Tgt Ion:117 Resp: 476924
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.2
119 32.1 25.1 37.7



#64
Tetrachloroethene
Concen: 1.356 ug/l
RT: 11.100 min Scan# 1538
Delta R.T. -0.006 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion:164 Resp: 5250
Ion Ratio Lower Upper
164 100
166 88.1 97.0 145.6#
129 113.8 77.0 115.6
131 88.6 77.4 116.2



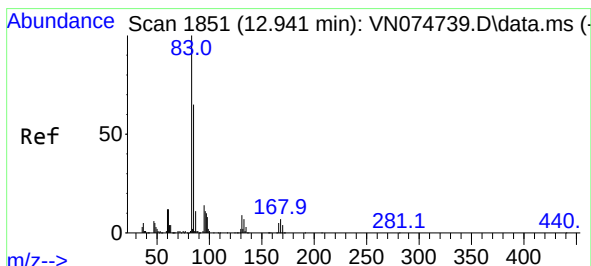
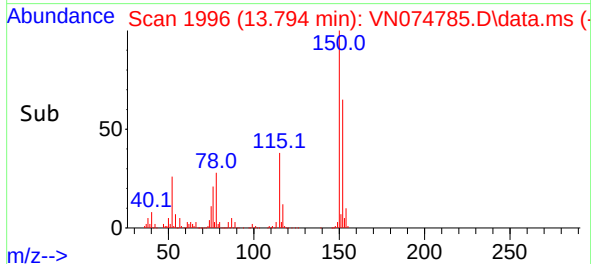
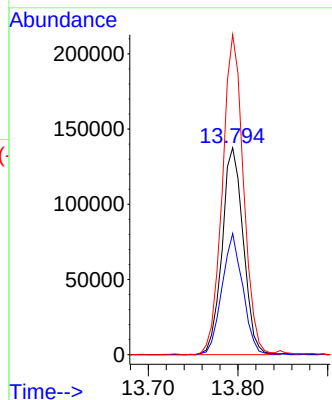
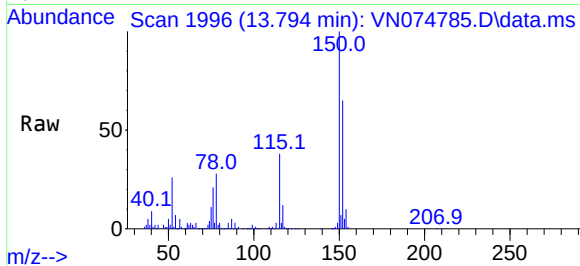


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074785.D
 Acq: 06 Oct 2022 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1D

Tgt Ion:152 Resp: 225409

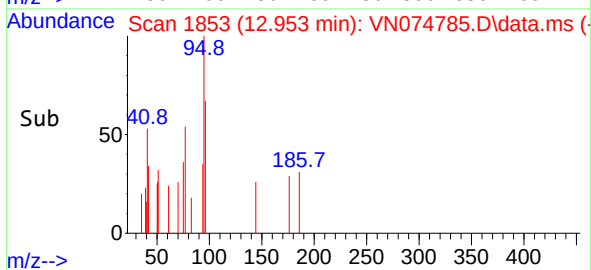
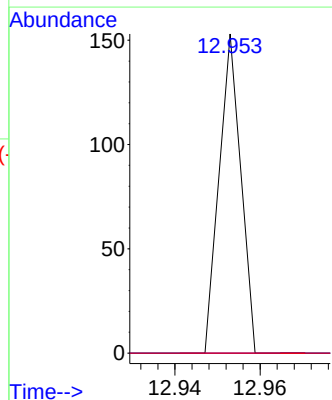
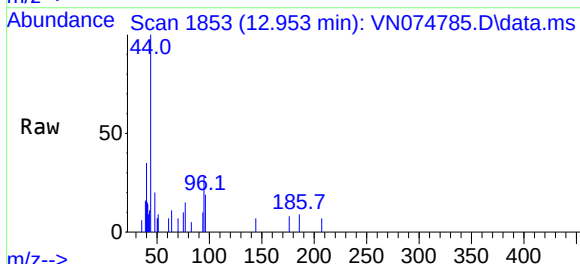
Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.0	90.0
150	154.2	0.0	356.4

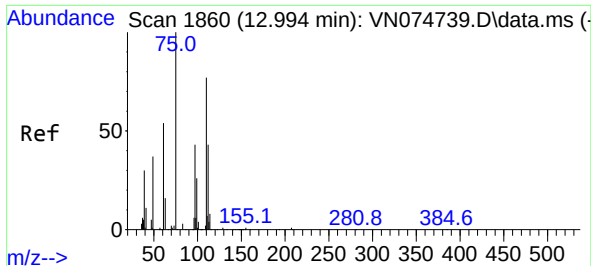


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.953 min Scan# 1853
 Delta R.T. 0.012 min
 Lab File: VN074785.D
 Acq: 06 Oct 2022 15:51

Tgt Ion: 83 Resp: 54

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

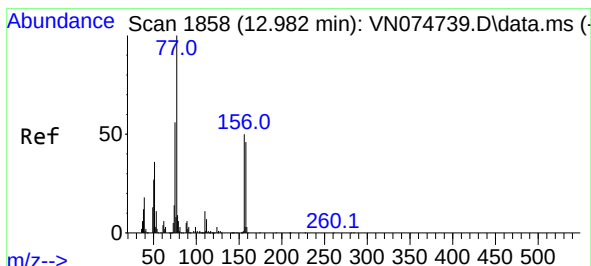
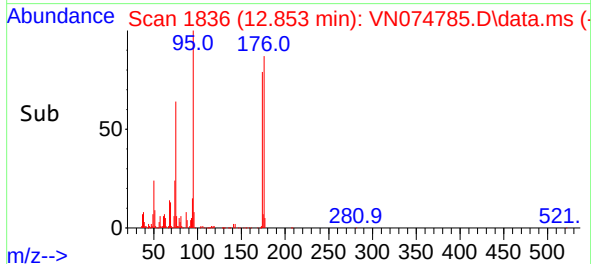
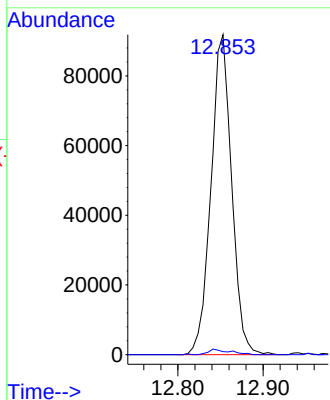
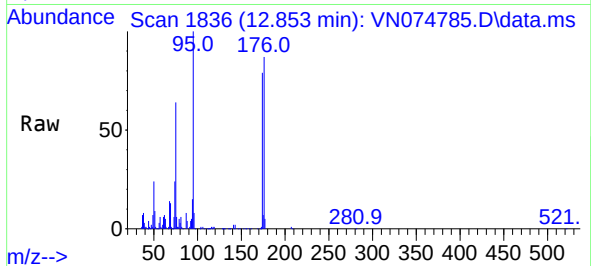




#76
1,2,3-Trichloropropane
Concen: 23.084 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

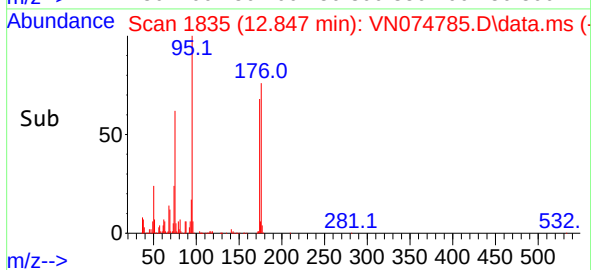
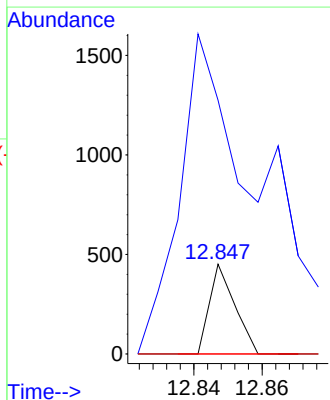
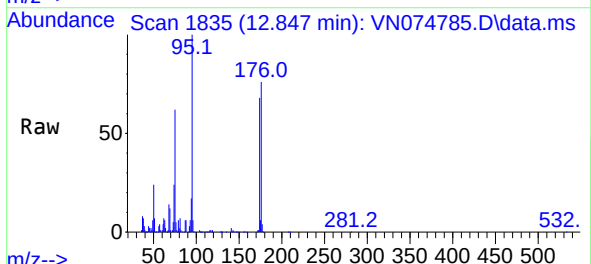
Instrument :
MSVOA_N
ClientSampleId :
MW-1D

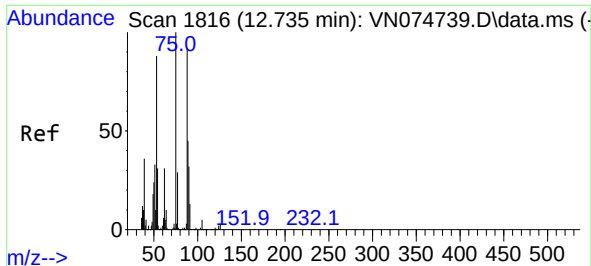
Tgt Ion: 75 Resp: 155303
Ion Ratio Lower Upper
75 100
77 1.8 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.135 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion:156 Resp: 232
Ion Ratio Lower Upper
156 100
77 1177.6 124.7 374.1#
158 0.0 48.3 144.9#

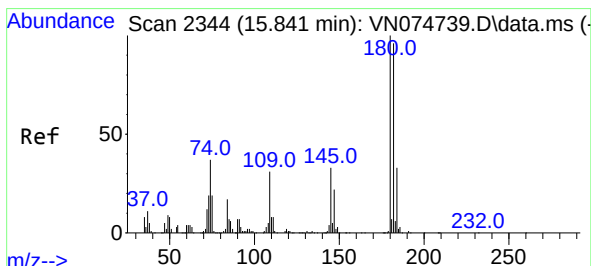
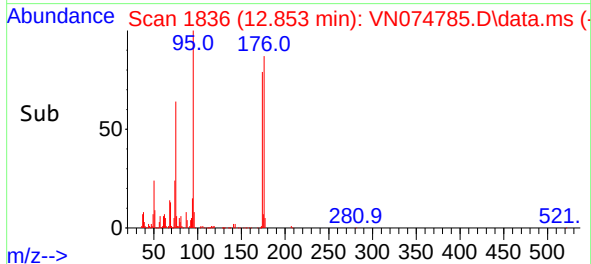
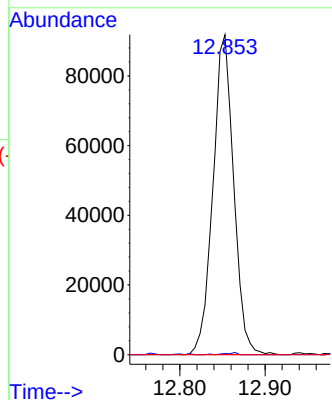
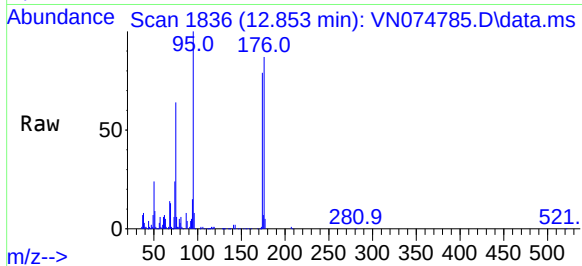




#81
trans-1,4-Dichloro-2-butene
Concen: 44.975 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
MW-1D

Tgt Ion: 75 Resp: 155303
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.0#
89 0.0 32.1 48.1#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN074785.D
Acq: 06 Oct 2022 15:51

Tgt Ion:180 Resp: 241
Ion Ratio Lower Upper
180 100
182 70.1 47.3 142.0
145 0.0 17.1 51.2#

