

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100722\
 Data File : VN074809.D
 Acq On : 07 Oct 2022 14:19
 Operator : JC\MD
 Sample : N4998-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 506D-2

Quant Time: Oct 08 03:52:17 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)

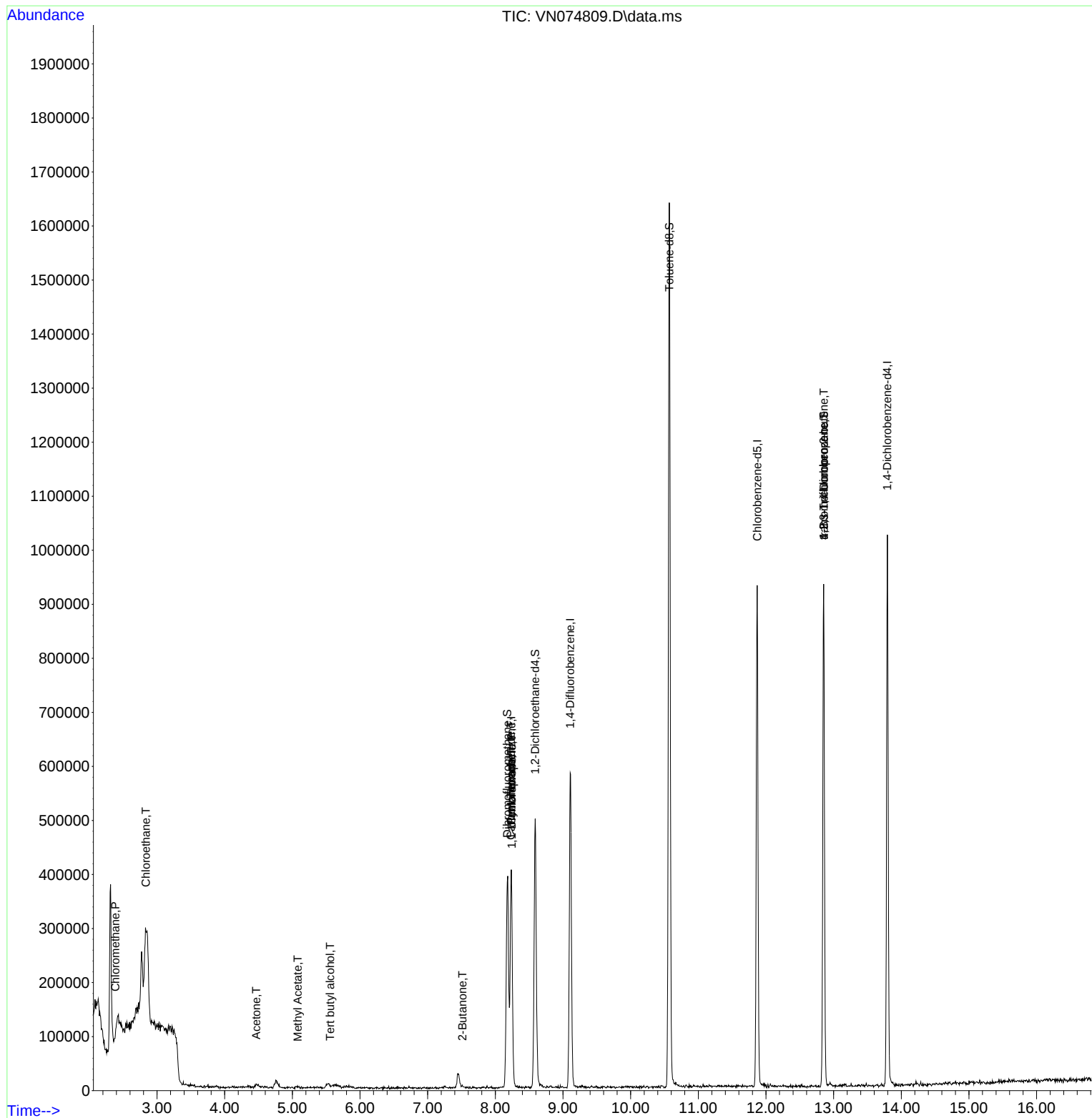
Internal Standards						
1) Pentafluorobenzene	8.235	168	289430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	511640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	503679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	252517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	359168	52.374	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.740%		
35) Dibromofluoromethane	8.177	113	283118	54.768	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 109.540%		
50) Toluene-d8	10.570	98	1124794	50.709	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.420%		
62) 4-Bromofluorobenzene	12.853	95	291236	43.192	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 86.380%		
Target Compounds						
						Qvalue
3) Chloromethane	2.383	50	2243	0.254	ug/l	95
6) Chloroethane	2.836	64	191559	23.689	ug/l #	53
11) Tert butyl alcohol	5.559	59	3101	1.350	ug/l #	74
13) Acrolein	4.206	56	425	Below Cal	#	51
16) Acetone	4.465	43	6203	1.596	ug/l	89
18) Methyl Acetate	5.077	43	4680	0.325	ug/l #	79
20) Methylene Chloride	5.300	84	1159	Below Cal	#	46
25) 2-Butanone	7.512	43	1511	0.214	ug/l #	88
31) Cyclohexane	8.235	56	8681	0.732	ug/l #	51
36) 1,1-Dichloropropene	8.241	75	26010	3.109	ug/l #	50
38) Carbon Tetrachloride	8.229	117	28090	3.560	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.847	83	220	Below Cal	#	12
76) 1,2,3-Trichloropropane	12.853	75	169355	22.470	ug/l #	1
77) Bromobenzene	12.976	156	65	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	169355	43.780	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.835	180	273	Below Cal	#	12

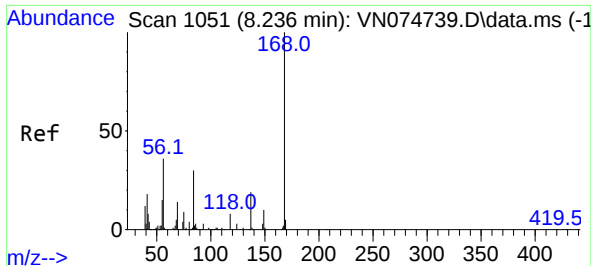
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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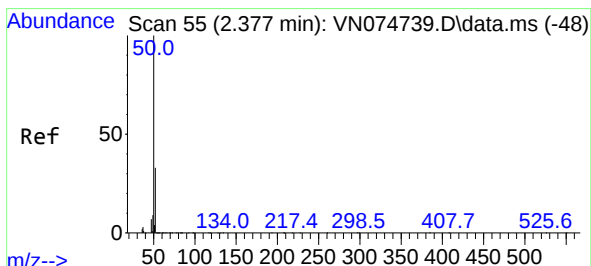
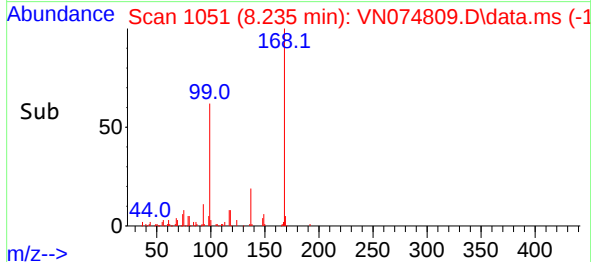
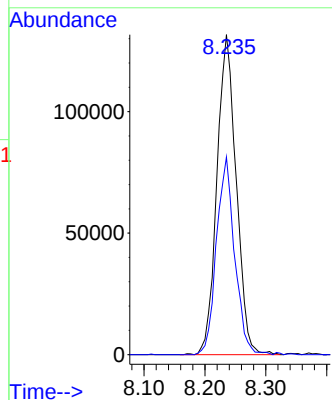
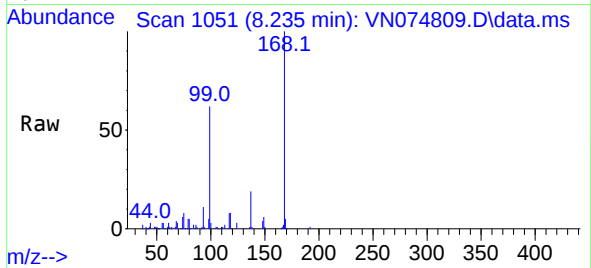




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

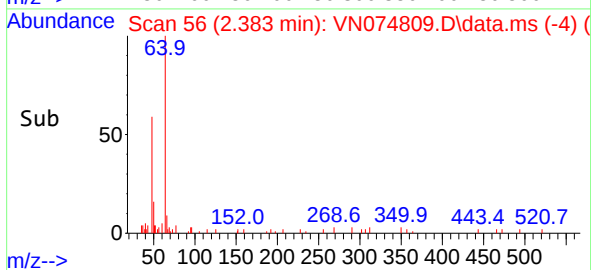
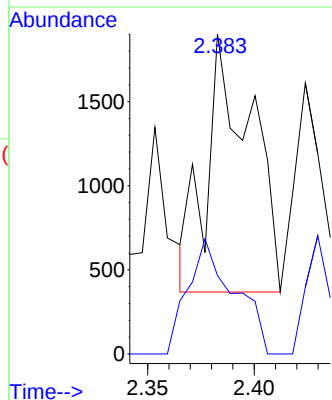
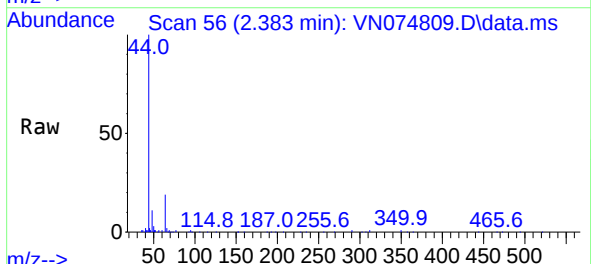
Instrument :
MSVOA_N
ClientSampleId :
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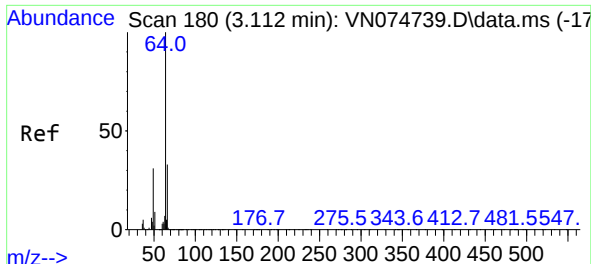
Tgt Ion:168 Resp: 289430
Ion Ratio Lower Upper
168 100
99 61.8 42.8 64.2



#3
Chloromethane
Concen: 0.254 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 50 Resp: 2243
Ion Ratio Lower Upper
50 100
52 30.4 26.7 40.1

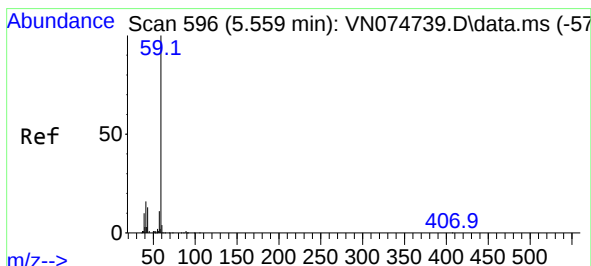
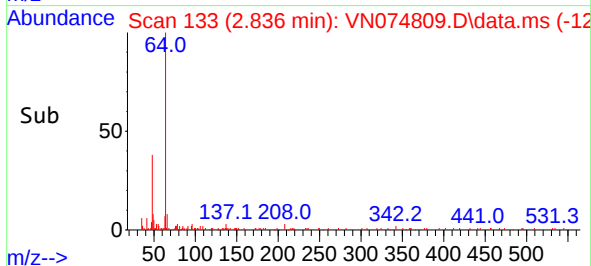
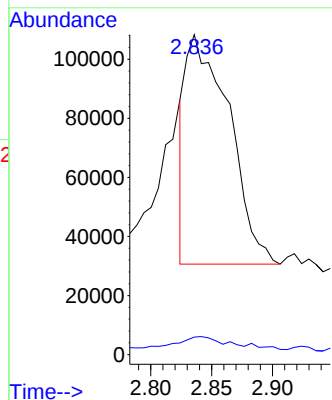
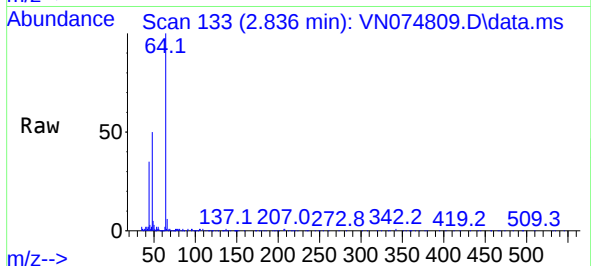




#6
Chloroethane
Concen: 23.689 ug/l
RT: 2.836 min Scan# 11
Delta R.T. -0.277 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

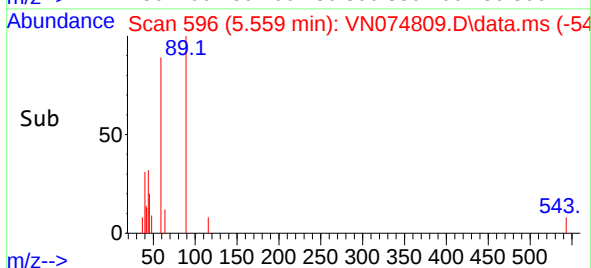
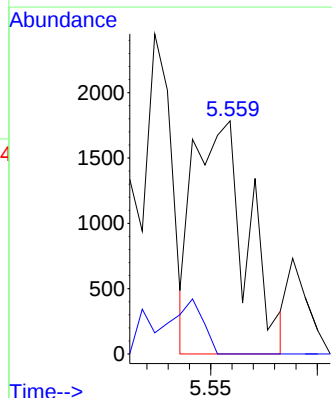
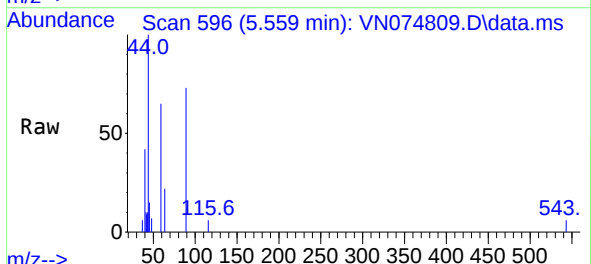
Instrument :
MSVOA_N
ClientSampleId :
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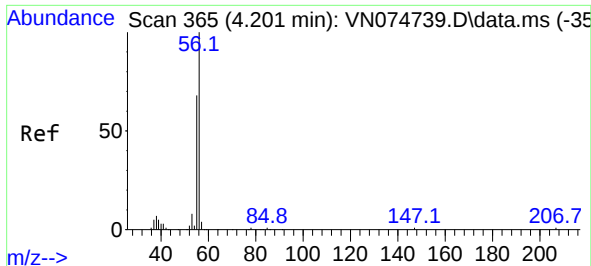
Tgt Ion: 64 Resp: 191559
Ion Ratio Lower Upper
64 100
66 5.4 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.350 ug/l
RT: 5.559 min Scan# 596
Delta R.T. -0.000 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 59 Resp: 3101
Ion Ratio Lower Upper
59 100
57 19.2 7.7 11.5#

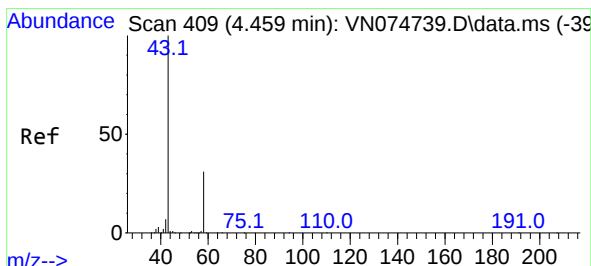
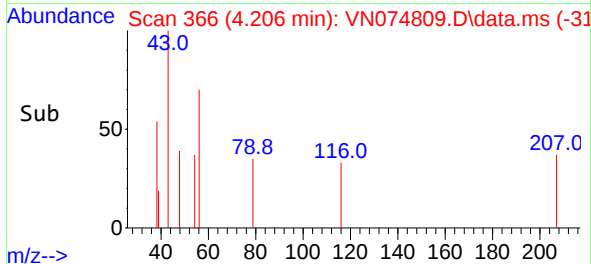
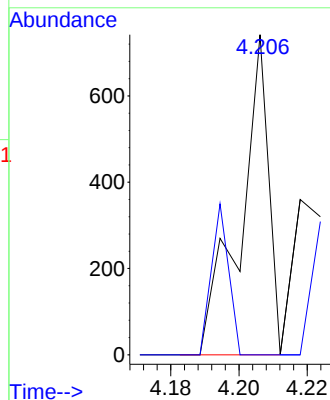
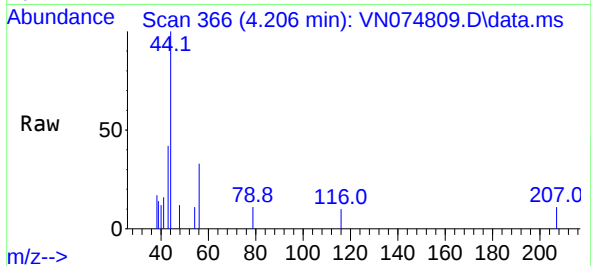




#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 30
Delta R.T. 0.005 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

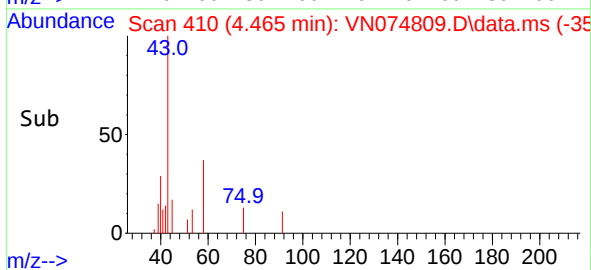
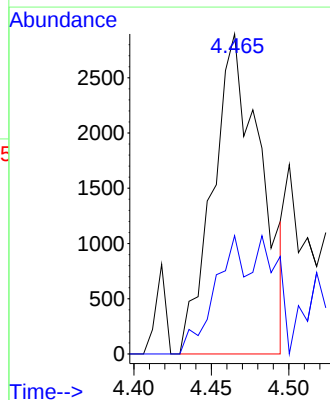
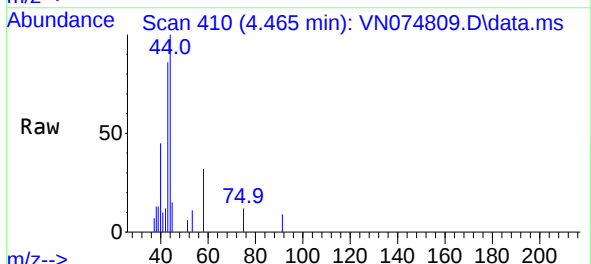
Instrument :
MSVOA_N
ClientSampleId :
506D-2

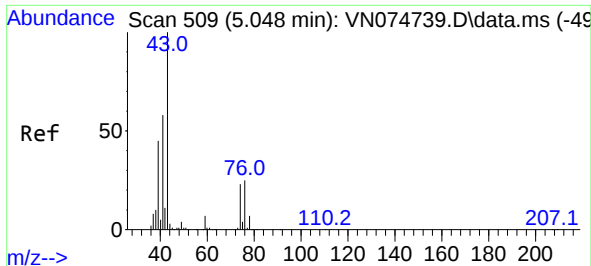
Tgt Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
55 28.9 54.9 82.3#



#16
Acetone
Concen: 1.596 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 43 Resp: 6203
Ion Ratio Lower Upper
43 100
58 37.0 24.9 37.3

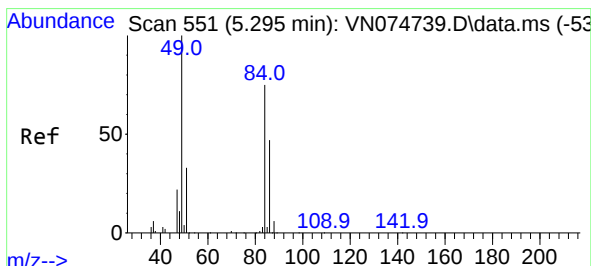
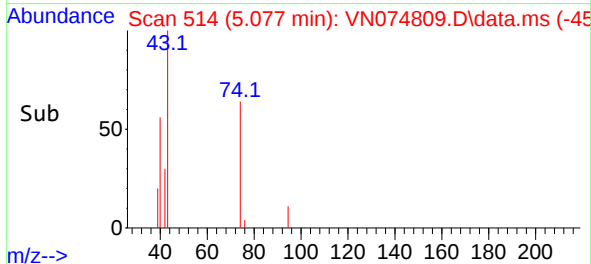
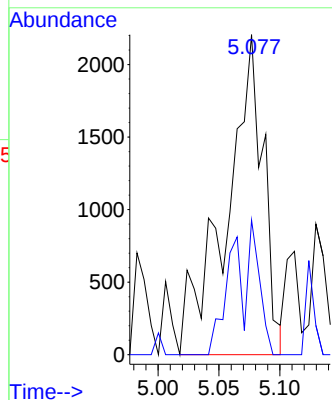
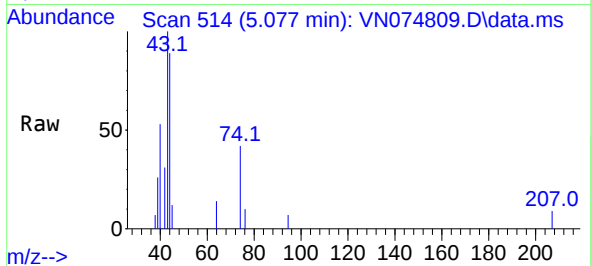




#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 5.077 min Scan# 514
Delta R.T. 0.029 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

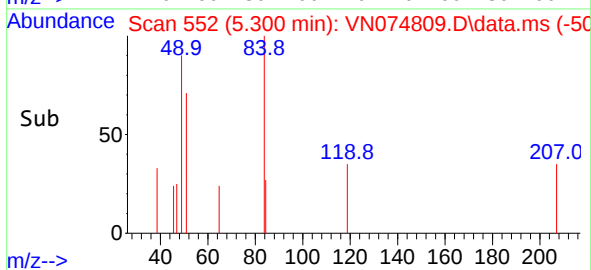
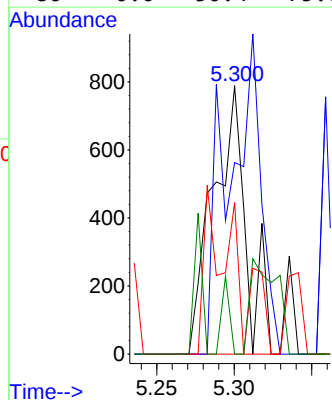
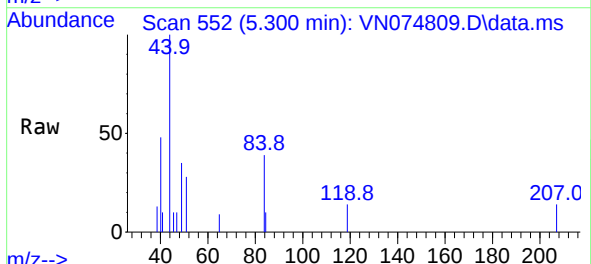
Instrument :
MSVOA_N
ClientSampleId :
506D-2

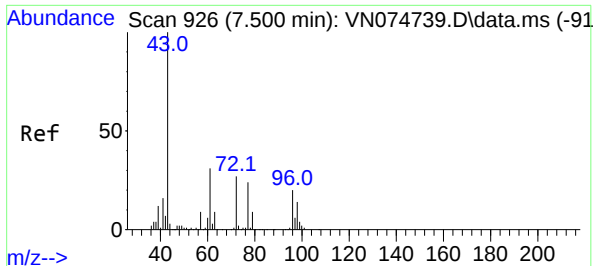
Tgt Ion: 43 Resp: 4680
Ion Ratio Lower Upper
43 100
74 12.8 18.5 27.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 84 Resp: 1159
Ion Ratio Lower Upper
84 100
49 71.4 107.4 161.0#
51 56.4 35.1 52.7#
86 0.0 50.4 75.6#

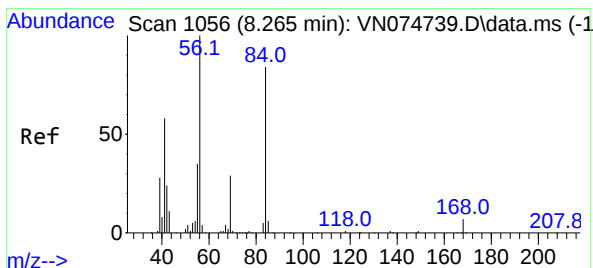
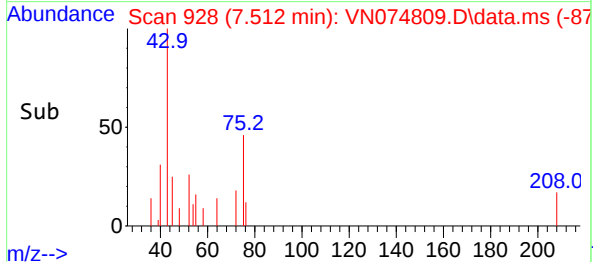
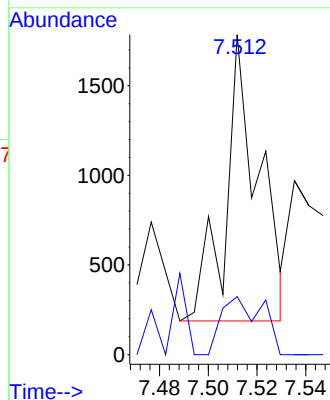
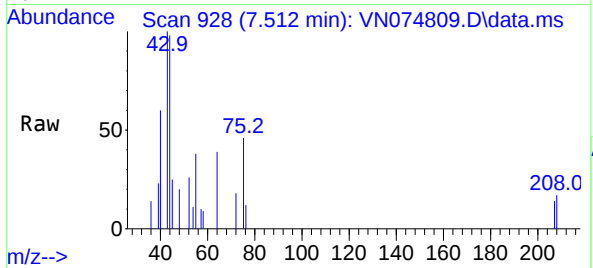




#25
2-Butanone
Concen: 0.214 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

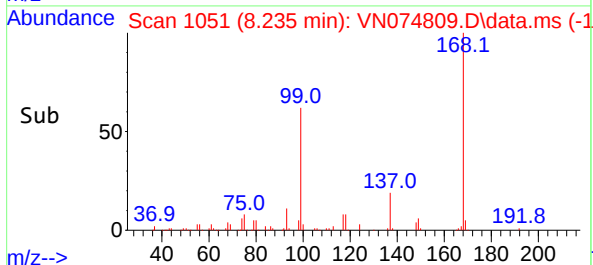
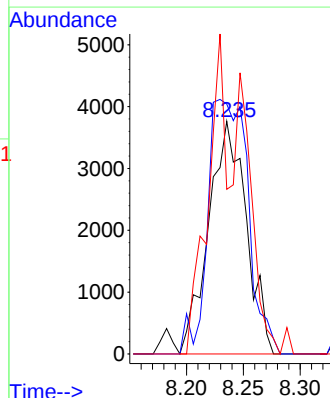
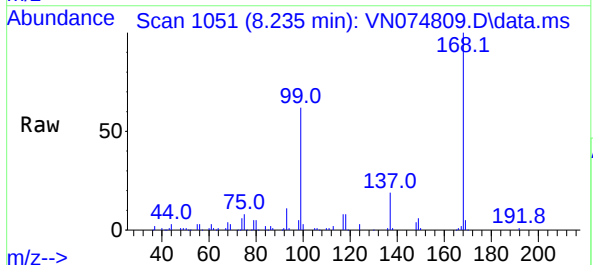
Instrument :
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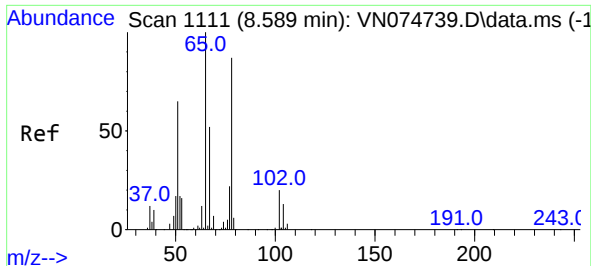
Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
72 20.3 21.4 32.0#



#31
Cyclohexane
Concen: 0.732 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 56 Resp: 8681
Ion Ratio Lower Upper
56 100
69 107.5 23.1 34.7#
84 70.8 67.1 100.7

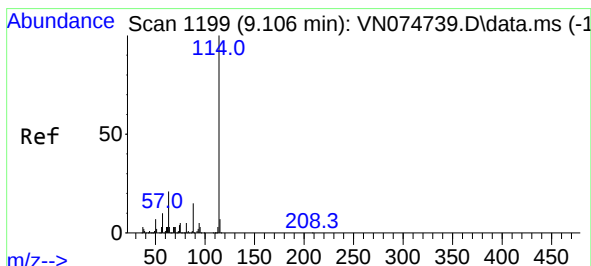
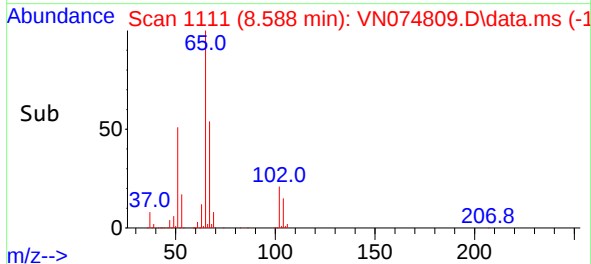
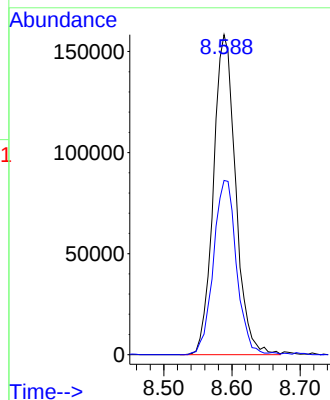
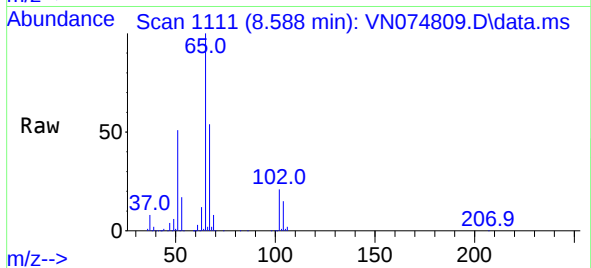




#33
1,2-Dichloroethane-d4
Concen: 52.374 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

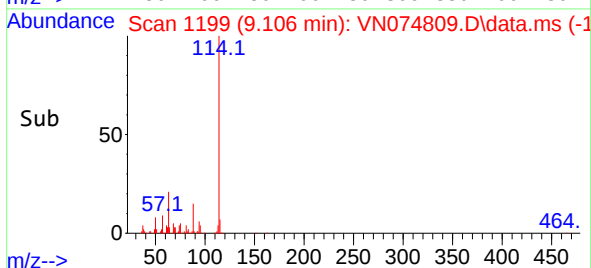
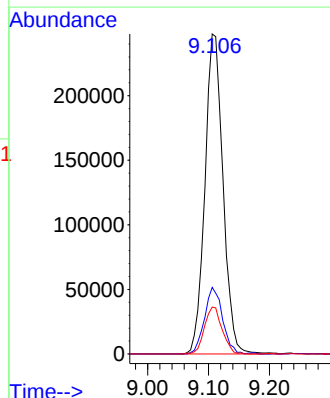
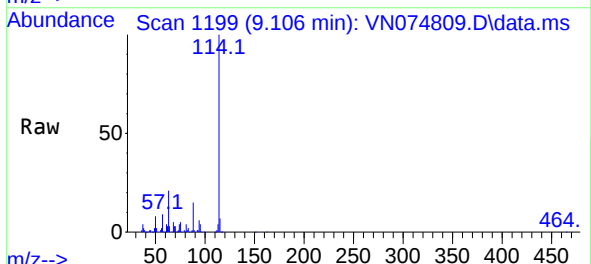
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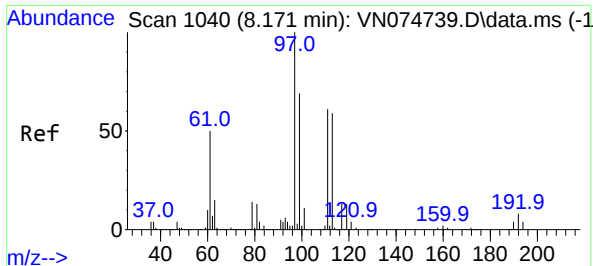
Tgt Ion: 65 Resp: 359168
Ion Ratio Lower Upper
65 100
67 56.9 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion:114 Resp: 511640
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.2
88 14.7 0.0 30.2

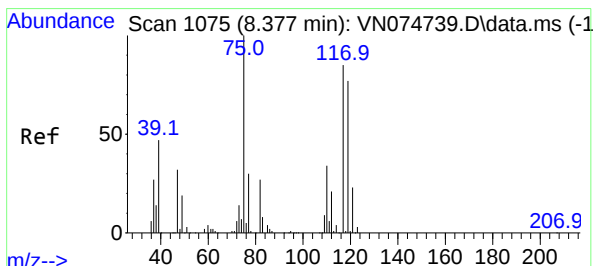
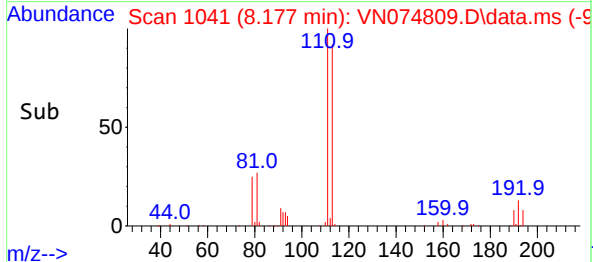
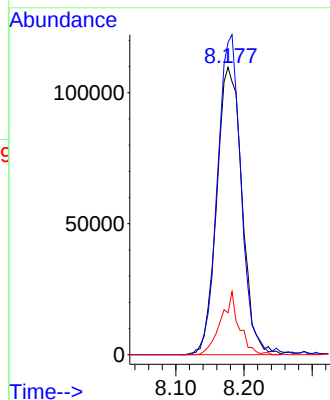
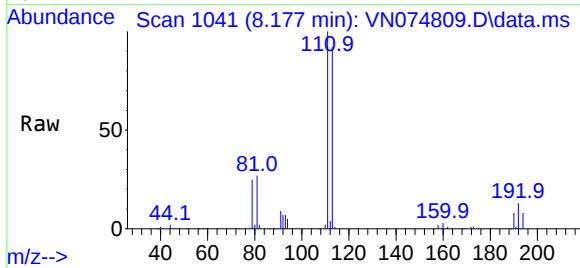




#35
Dibromofluoromethane
Concen: 54.768 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

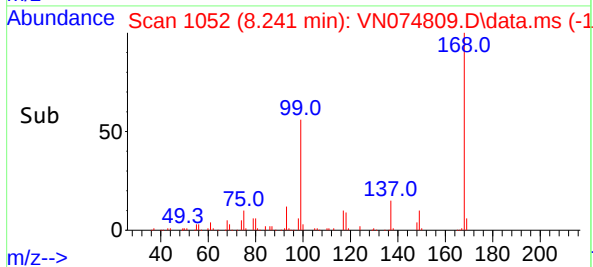
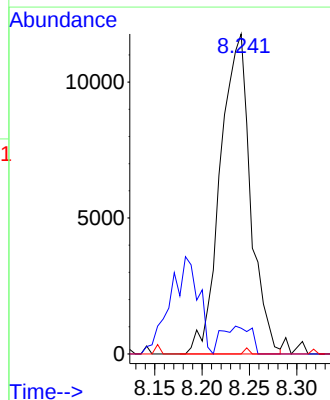
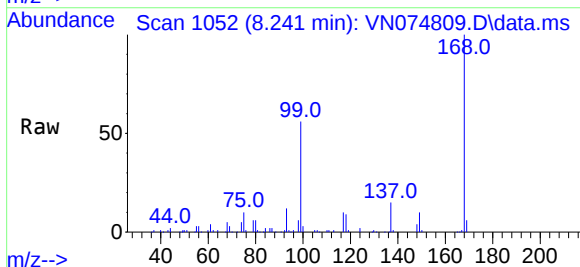
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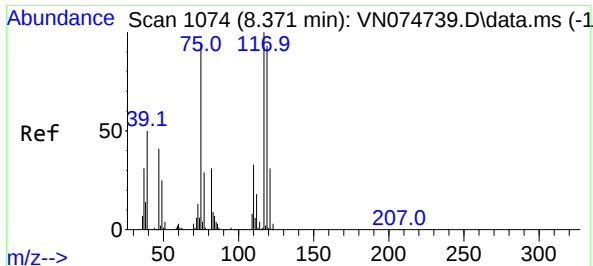
Tgt Ion:113 Resp: 283118
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 15.9 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.109 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.136 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 75 Resp: 26010
Ion Ratio Lower Upper
75 100
110 8.5 17.2 51.5#
77 0.3 24.3 36.5#

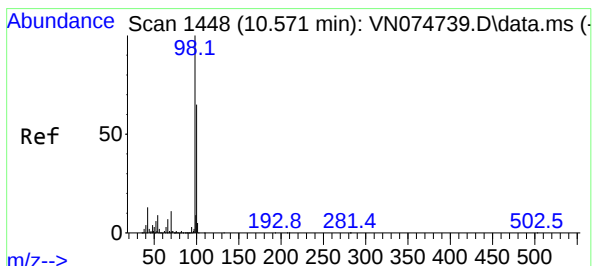
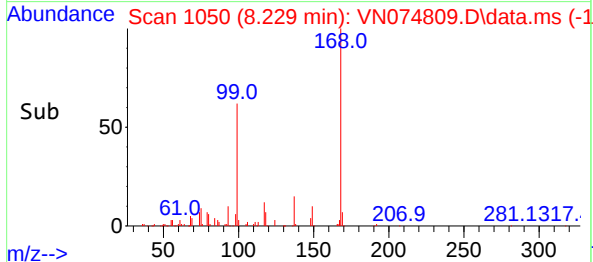
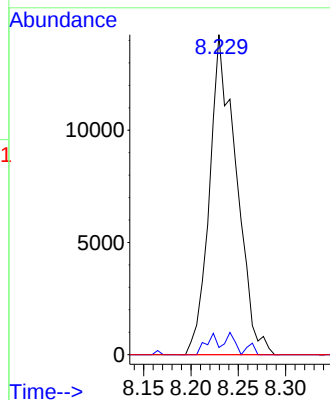
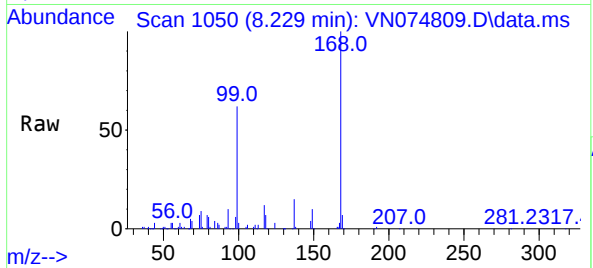




#38
Carbon Tetrachloride
Concen: 3.560 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

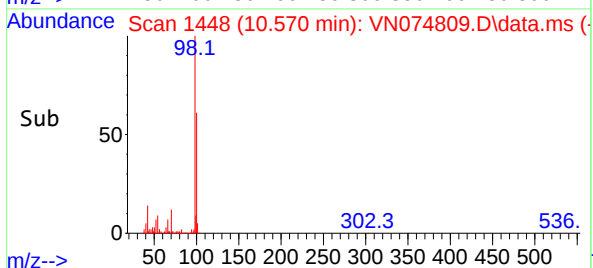
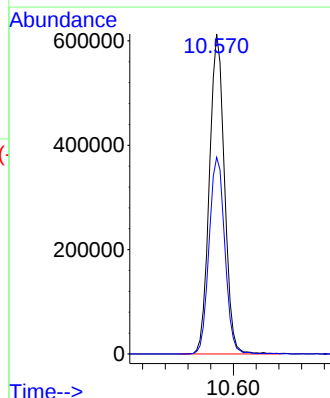
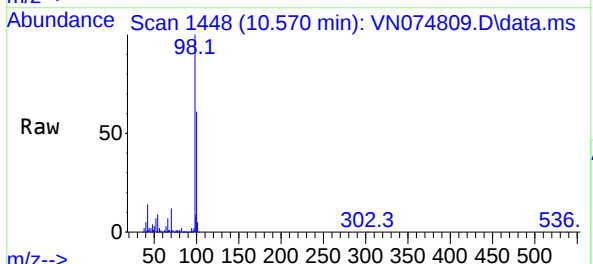
Instrument :
MSVOA_N
ClientSampleId :
506D-2

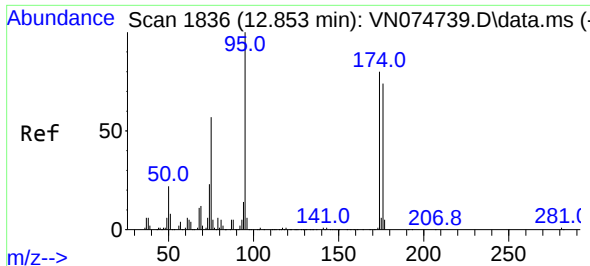
Tgt Ion:117 Resp: 28090
Ion Ratio Lower Upper
117 100
119 2.2 74.3 111.5#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.709 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 98 Resp: 1124794
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1

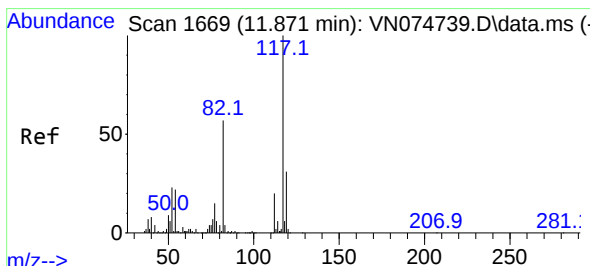
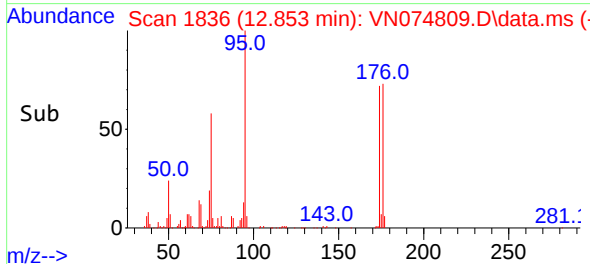
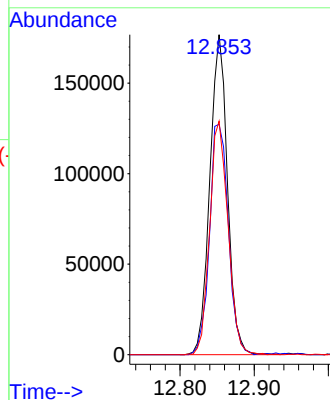
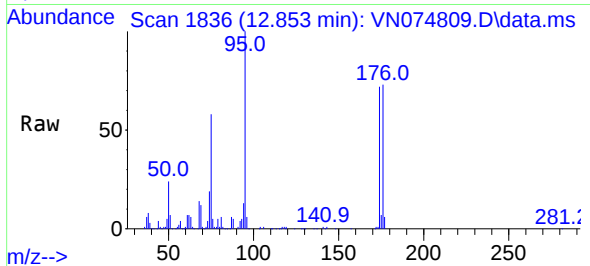




#62
4-Bromofluorobenzene
Concen: 43.192 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

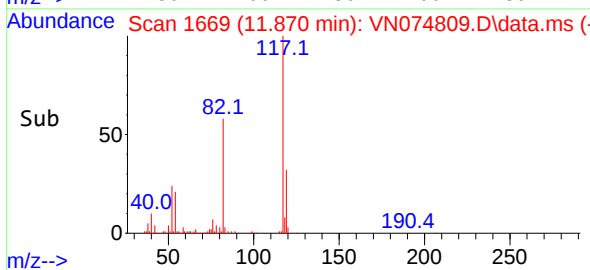
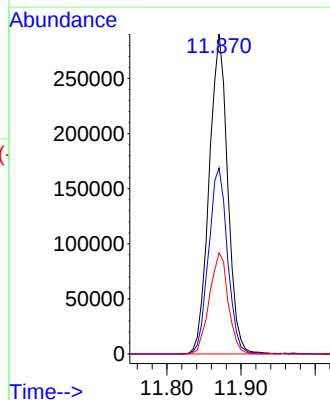
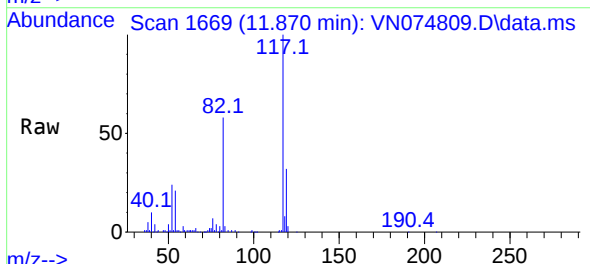
Instrument :
MSVOA_N
ClientSampleId :
506D-2

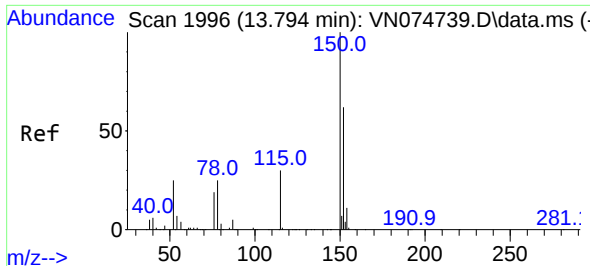
Tgt Ion: 95 Resp: 291236
Ion Ratio Lower Upper
95 100
174 77.2 0.0 149.4
176 76.1 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 117 Resp: 503679
Ion Ratio Lower Upper
117 100
82 58.2 45.4 68.2
119 31.6 25.1 37.7

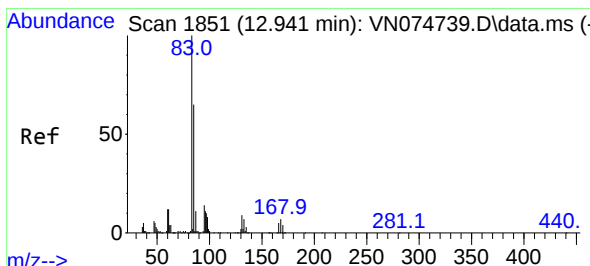
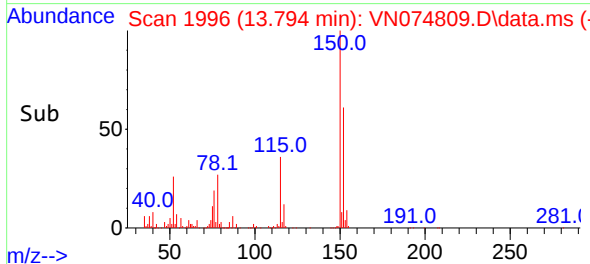
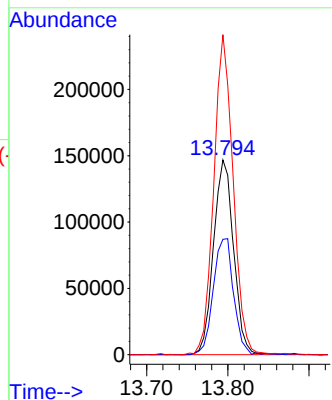
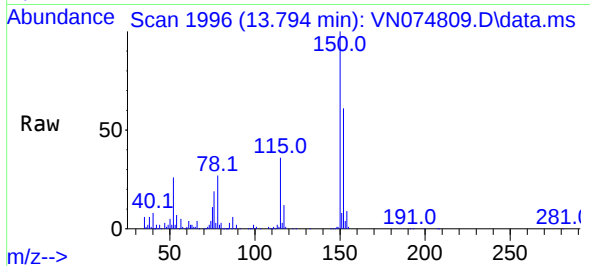




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

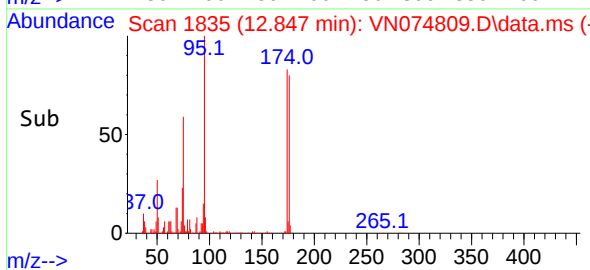
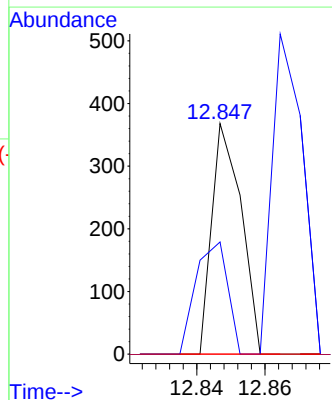
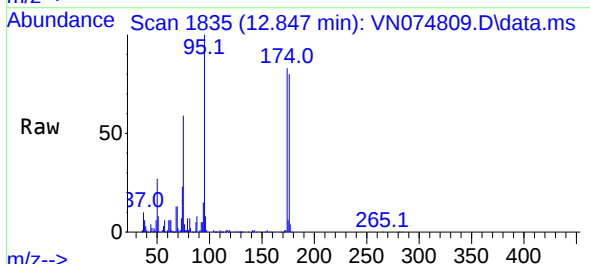
Instrument :
MSVOA_N
ClientSampleId :
506D-2

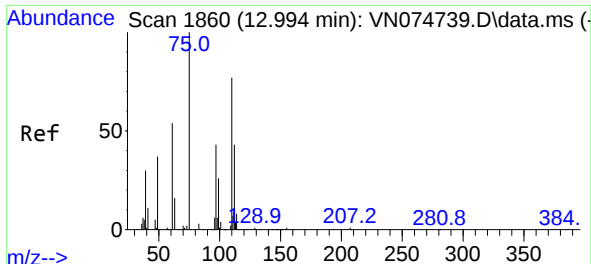
Tgt Ion:152 Resp: 252517
Ion Ratio Lower Upper
152 100
115 60.7 30.0 90.0
150 157.9 0.0 356.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.094 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 83 Resp: 220
Ion Ratio Lower Upper
83 100
131 52.7 4.3 12.8#
85 0.0 32.9 98.6#

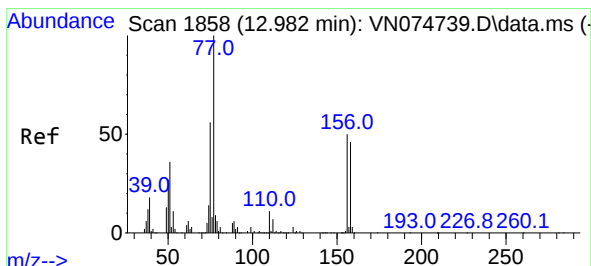
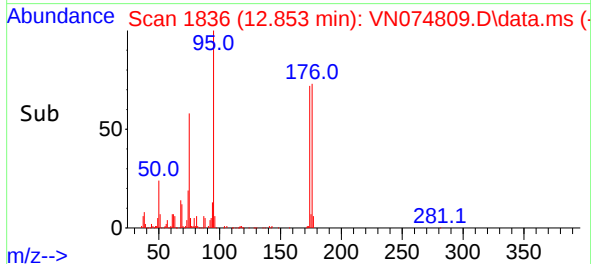
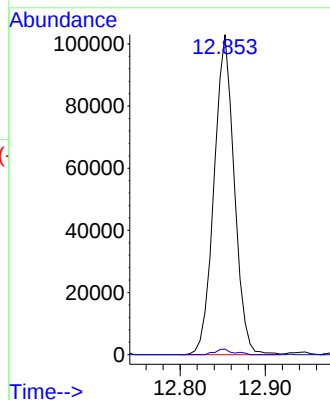
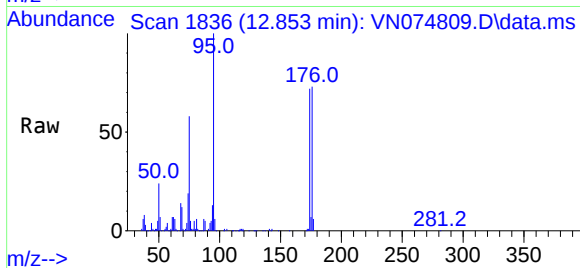




#76
1,2,3-Trichloropropane
Concen: 22.470 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

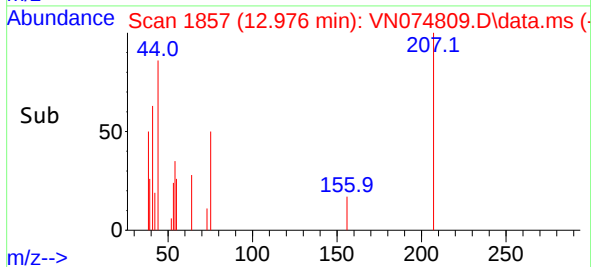
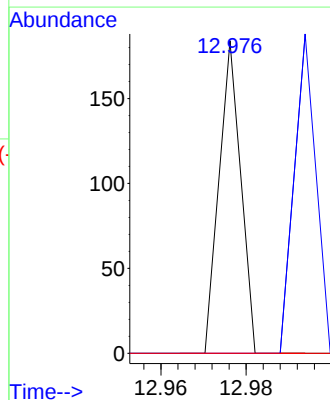
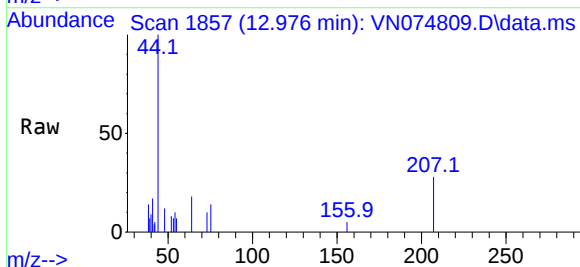
Instrument :
MSVOA_N
ClientSampleId :
506D-2

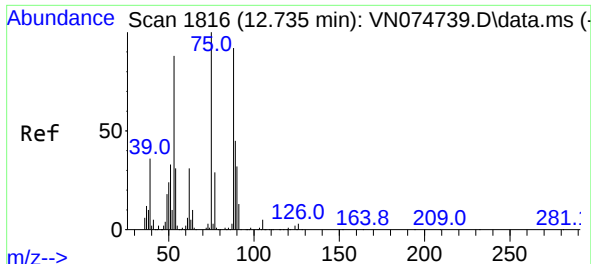
Tgt Ion: 75 Resp: 169355
Ion Ratio Lower Upper
75 100
77 1.5 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion: 156 Resp: 65
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 0.0 48.3 144.9#

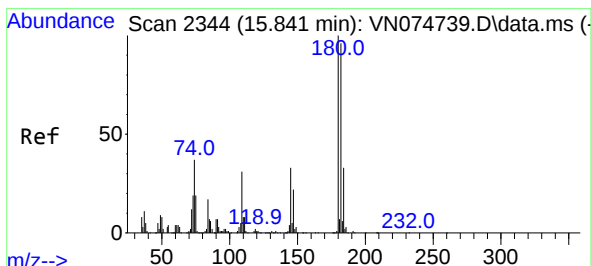
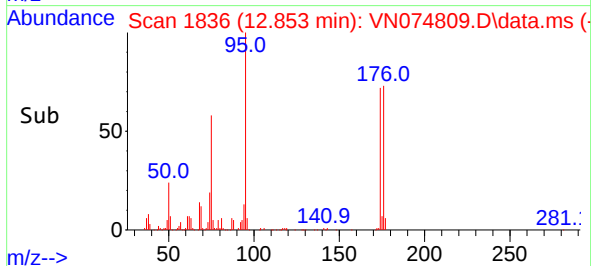
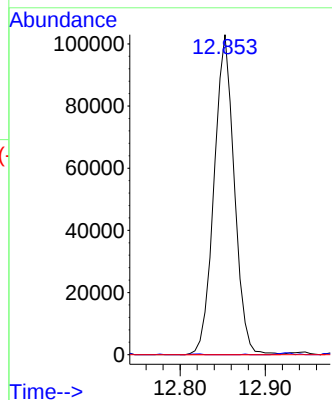
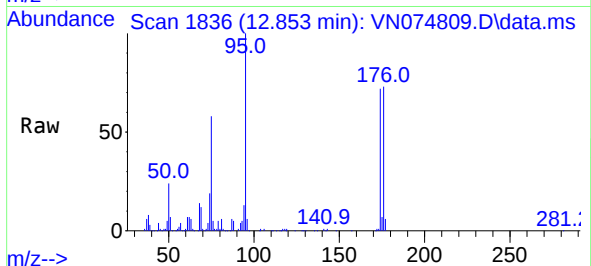




#81
trans-1,4-Dichloro-2-butene
Concen: 43.780 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074809.D
Acq: 07 Oct 2022 14:19

Instrument :
MSVOA_N
ClientSampleId :
506D-2

Tgt Ion: 75 Resp: 169355
Ion Ratio Lower Upper
75 100
53 0.0 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: VN074809.D
Acq: 07 Oct 2022 14:19

Tgt Ion:180 Resp: 273
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 17.1 51.2#

