

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074780.D
 Acq On : 06 Oct 2022 13:51
 Operator : JC\MD
 Sample : N4983-02DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-743-745DL

Quant Time: Oct 06 16:30:21 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

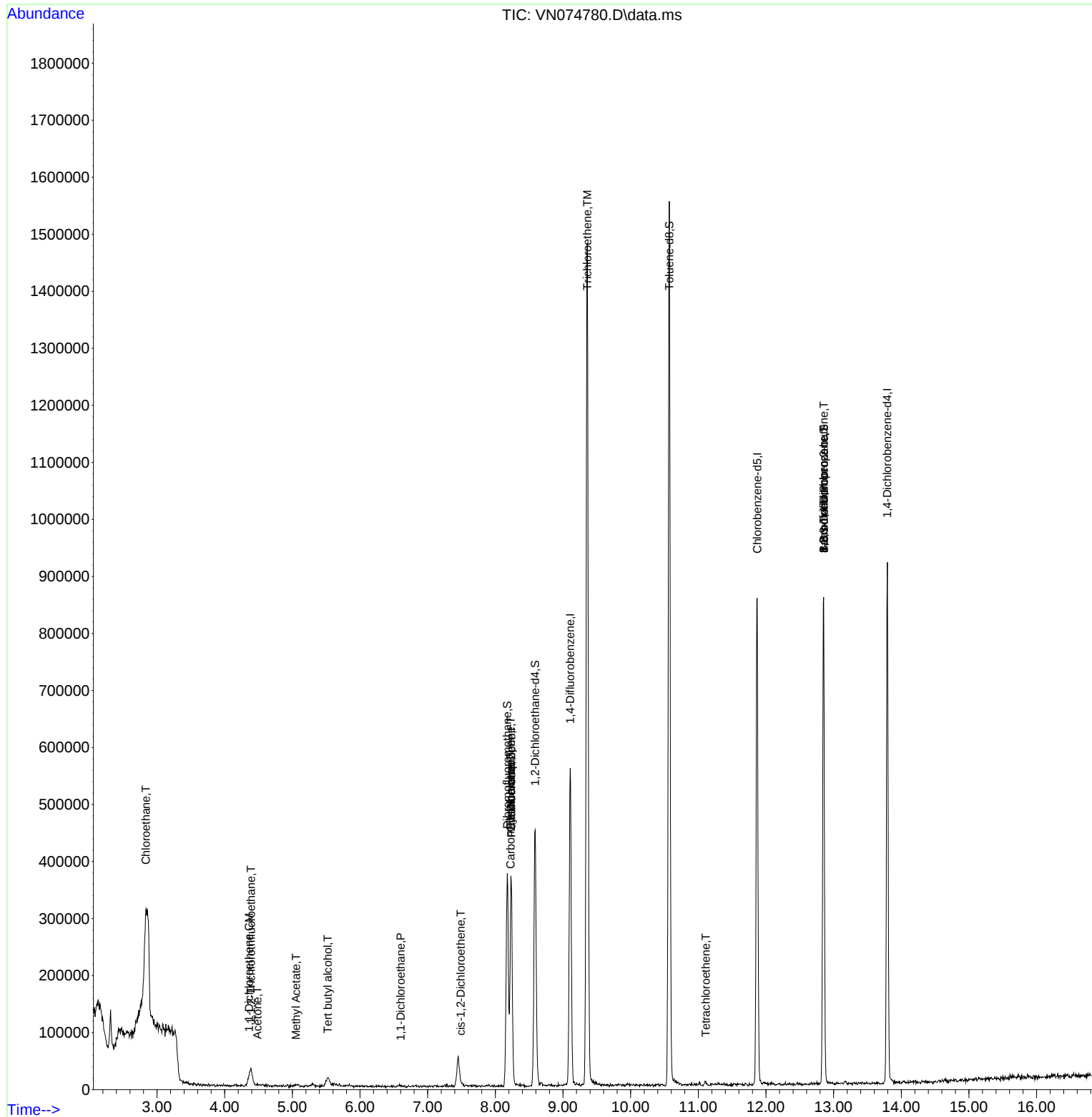
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	257554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	477097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	492614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	229065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	332666	54.513	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.020%	
35) Dibromofluoromethane	8.177	113	259127	53.757	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.520%	
50) Toluene-d8	10.571	98	1062067	51.348	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.700%	
62) 4-Bromofluorobenzene	12.853	95	271701	43.213	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.420%	
Target Compounds						Qvalue
6) Chloroethane	2.836	64	253600	35.242	ug/l #	50
9) 1,1,2-Trichlorotrifluo...	4.389	101	15615	3.325	ug/l	95
11) Tert butyl alcohol	5.524	59	12601	6.165	ug/l #	79
12) 1,1-Dichloroethene	4.359	96	7799	1.560	ug/l #	88
13) Acrolein	4.183	56	140	Below Cal	#	1
16) Acetone	4.483	43	3080	0.891	ug/l #	71
18) Methyl Acetate	5.053	43	4670	0.365	ug/l #	85
20) Methylene Chloride	5.295	84	2703	Below Cal	#	24
24) 1,1-Dichloroethane	6.600	63	3034	0.270	ug/l #	53
27) cis-1,2-Dichloroethene	7.489	96	2043	0.321	ug/l	25
31) Cyclohexane	8.230	56	7686	0.729	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	25340	3.248	ug/l #	46
38) Carbon Tetrachloride	8.224	117	26443	3.594	ug/l #	18
44) Trichloroethene	9.359	130	510932	97.124	ug/l	98
64) Tetrachloroethene	11.112	164	1174	0.294	ug/l #	56
71) Bromoform	12.853	173	2347	0.558	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.912	83	73	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	159746	23.365	ug/l #	1
77) Bromobenzene	12.965	156	267	Below Cal	#	3
81) trans-1,4-Dichloro-2-b...	12.853	75	159746	45.524	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.829	180	78	Below Cal	#	1

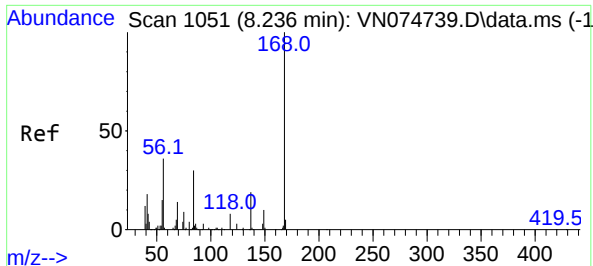
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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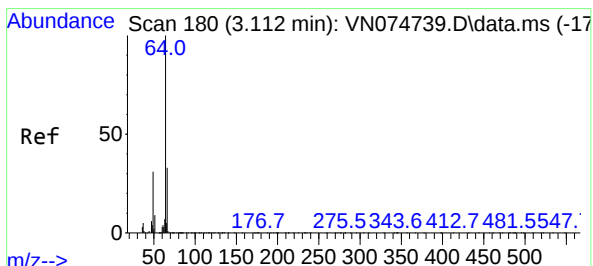
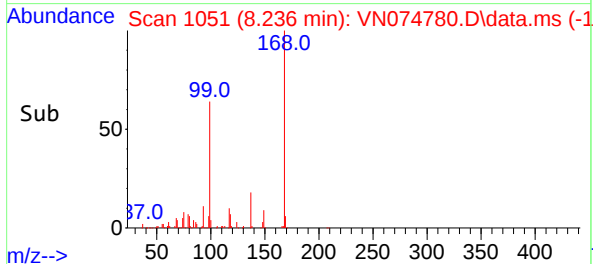
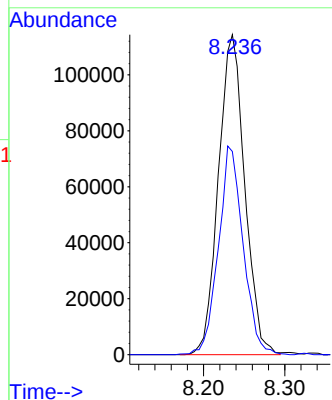
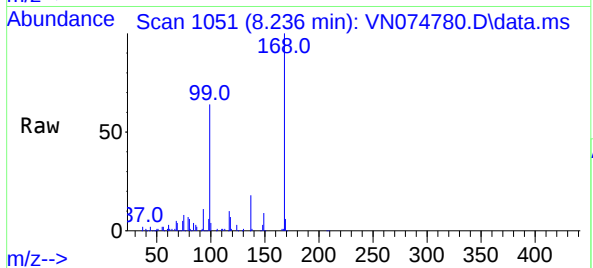




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

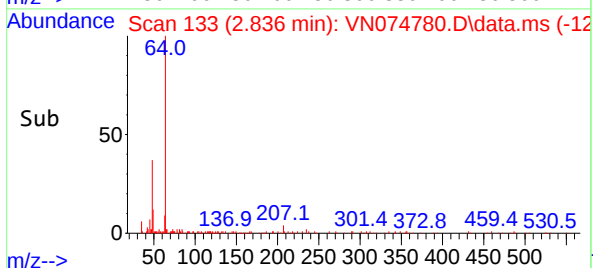
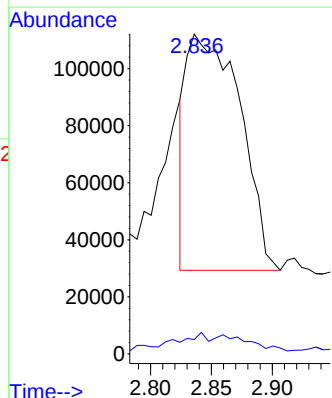
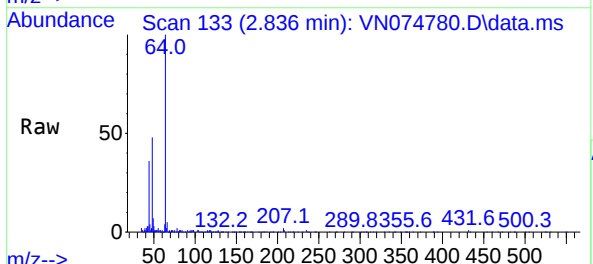
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

Tgt Ion:168 Resp: 257554
Ion Ratio Lower Upper
168 100
99 63.3 42.8 64.2

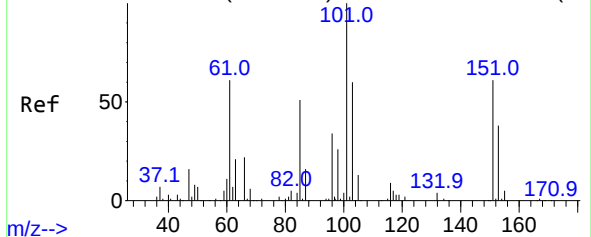


#6
Chloroethane
Concen: 35.242 ug/l
RT: 2.836 min Scan# 133
Delta R.T. -0.277 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 64 Resp: 253600
Ion Ratio Lower Upper
64 100
66 3.6 25.1 37.7#

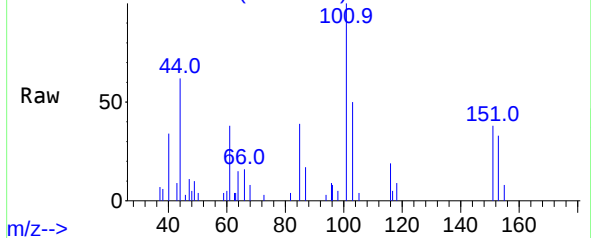


Abundance Scan 396 (4.383 min): VN074739.D\data.ms (-38



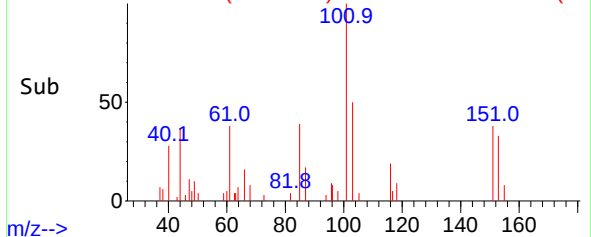
m/z-->

Abundance Scan 397 (4.389 min): VN074780.D\data.ms



m/z-->

Abundance Scan 397 (4.389 min): VN074780.D\data.ms (-34



m/z-->

#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.325 ug/l

RT: 4.389 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN074780.D

Acq: 06 Oct 2022 13:51

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-743-745DL

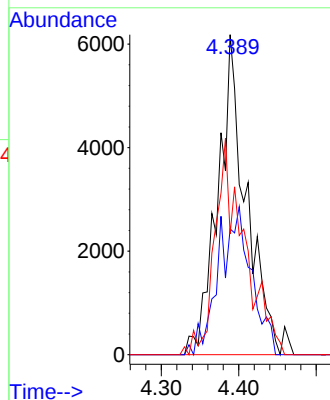
Tgt Ion:101 Resp: 15615

Ion Ratio Lower Upper

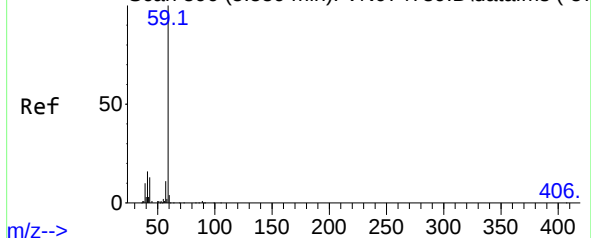
101 100

85 53.7 37.4 56.0

151 70.4 55.0 82.4

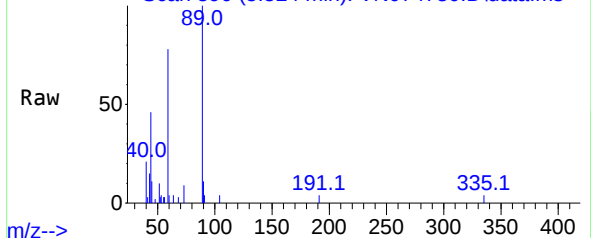


Abundance Scan 596 (5.559 min): VN074739.D\data.ms (-57



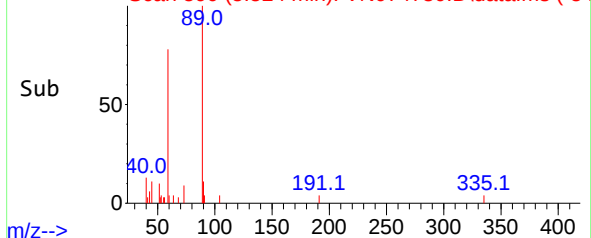
m/z-->

Abundance Scan 590 (5.524 min): VN074780.D\data.ms



m/z-->

Abundance Scan 590 (5.524 min): VN074780.D\data.ms (-54



m/z-->

#11

Tert butyl alcohol

Concen: 6.165 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.035 min

Lab File: VN074780.D

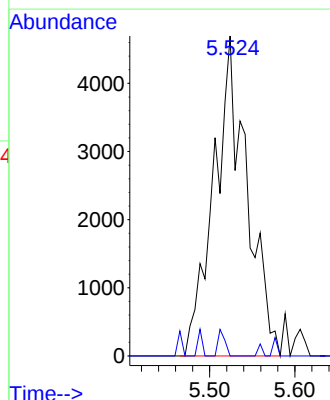
Acq: 06 Oct 2022 13:51

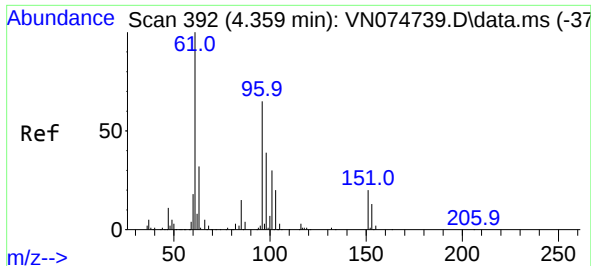
Tgt Ion: 59 Resp: 12601

Ion Ratio Lower Upper

59 100

57 1.7 7.7 11.5#

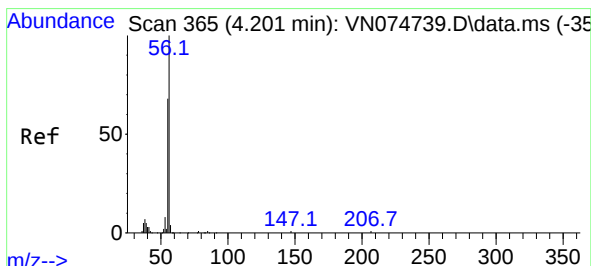
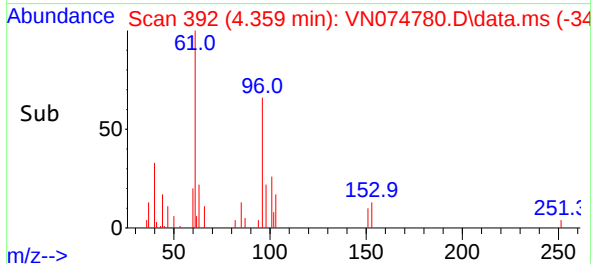
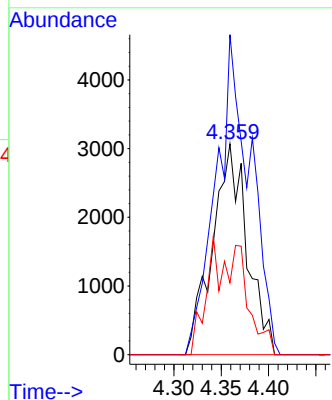
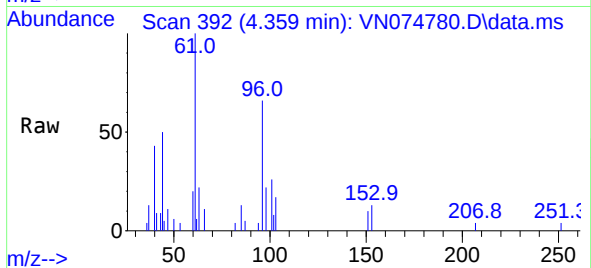




#12
1,1-Dichloroethene
Concen: 1.560 ug/l
RT: 4.359 min Scan# 392
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

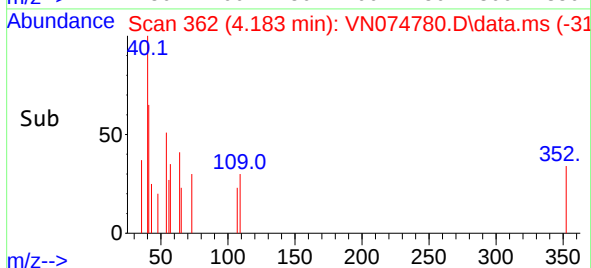
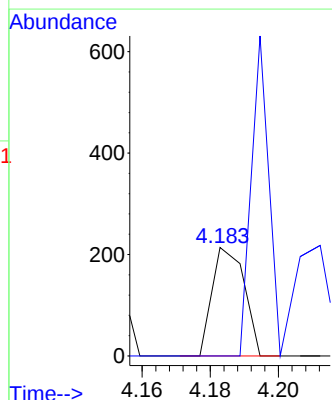
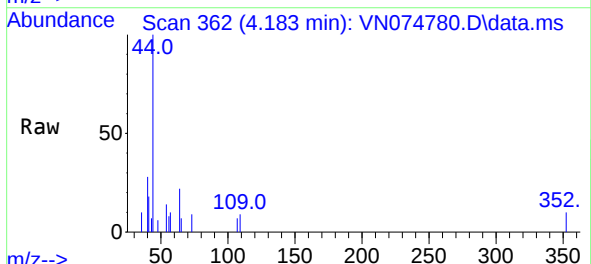
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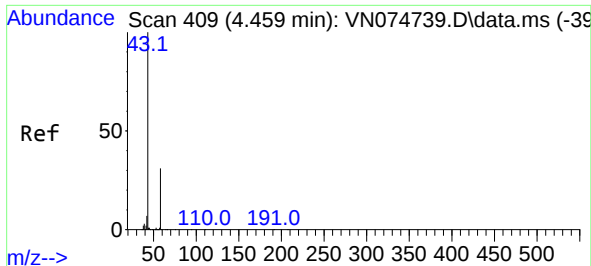
Tgt Ion: 96 Resp: 7799
Ion Ratio Lower Upper
96 100
61 151.7 123.9 185.9
98 34.1 48.8 73.2#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 362
Delta R.T. -0.018 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 263.6 54.9 82.3#

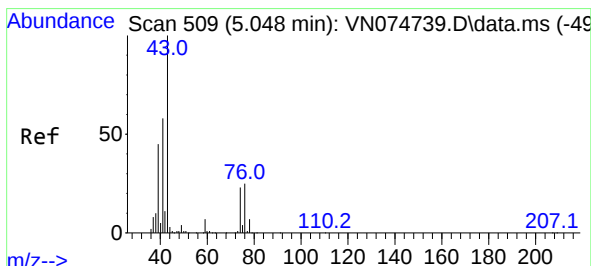
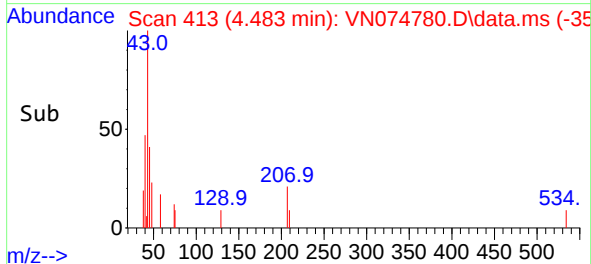
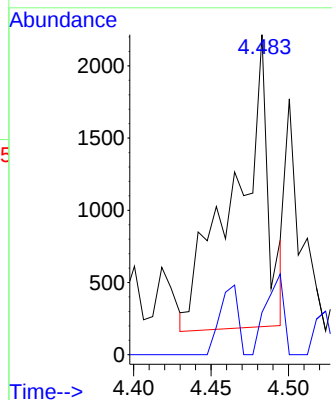
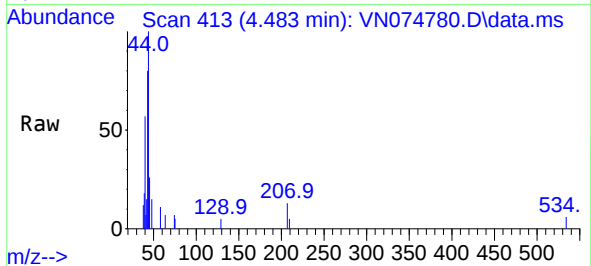




#16
Acetone
Concen: 0.891 ug/l
RT: 4.483 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

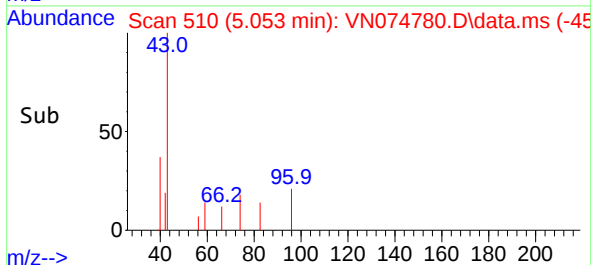
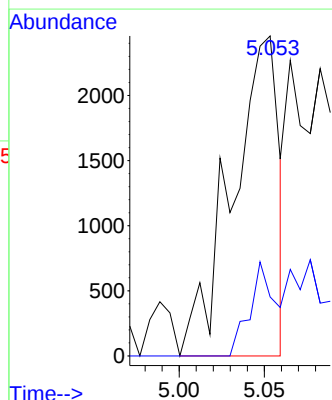
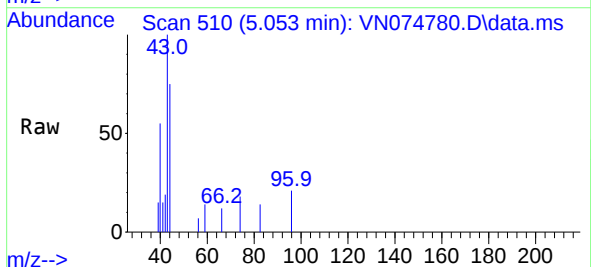
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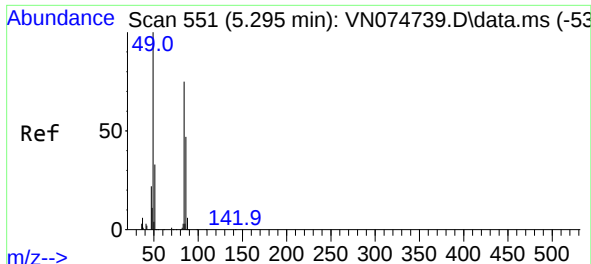
Tgt Ion: 43 Resp: 3080
Ion Ratio Lower Upper
43 100
58 15.2 24.9 37.3#



#18
Methyl Acetate
Concen: 0.365 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.006 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 43 Resp: 4670
Ion Ratio Lower Upper
43 100
74 15.8 18.5 27.7#

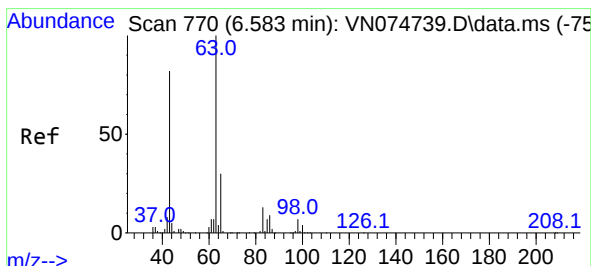
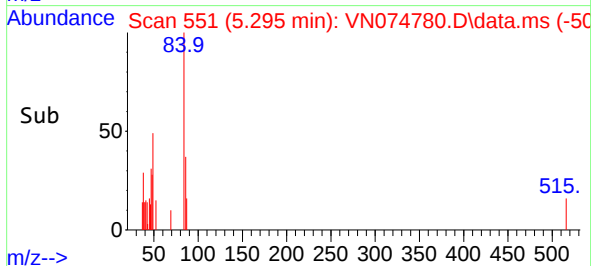
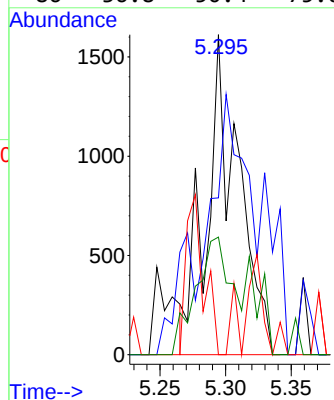
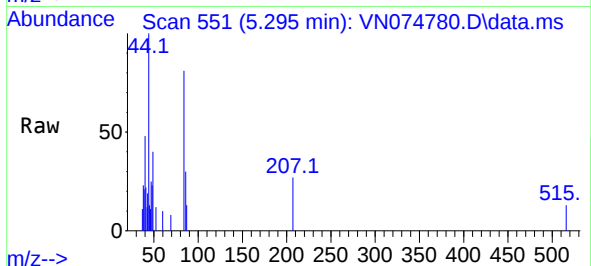




#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

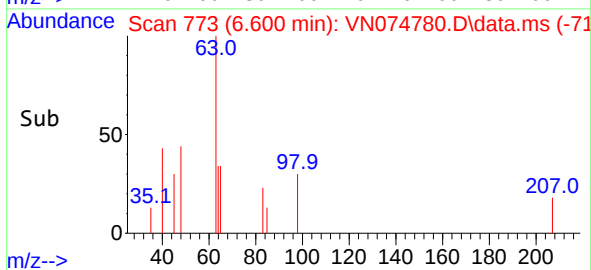
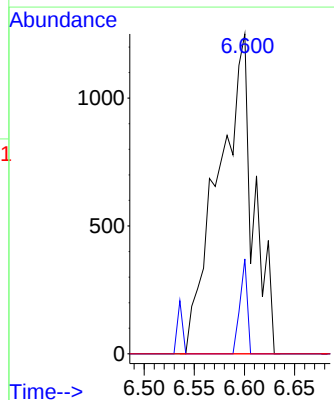
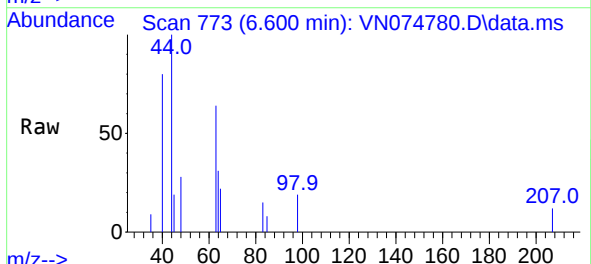
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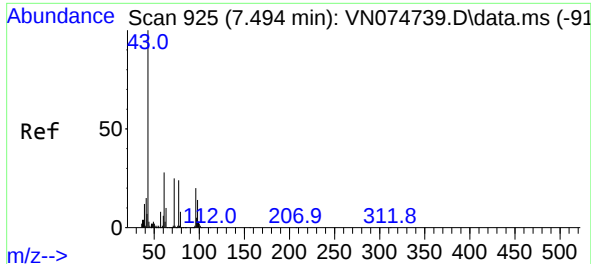
Tgt Ion: 84 Resp: 2703
Ion Ratio Lower Upper
84 100
49 16.9 107.4 161.0#
51 0.0 35.1 52.7#
86 36.8 50.4 75.6#



#24
1,1-Dichloroethane
Concen: 0.270 ug/l
RT: 6.600 min Scan# 773
Delta R.T. 0.018 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 63 Resp: 3034
Ion Ratio Lower Upper
63 100
98 29.7 3.5 10.4#
100 0.0 1.8 5.5#

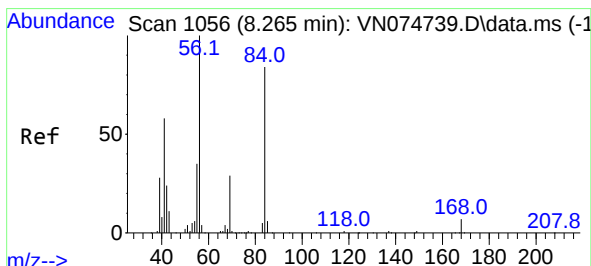
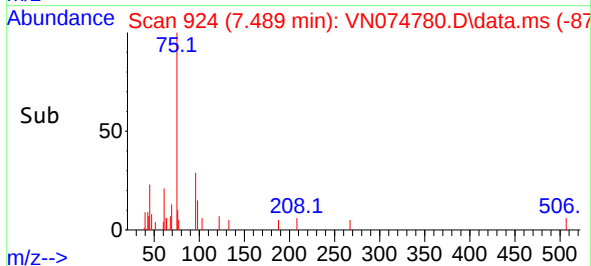
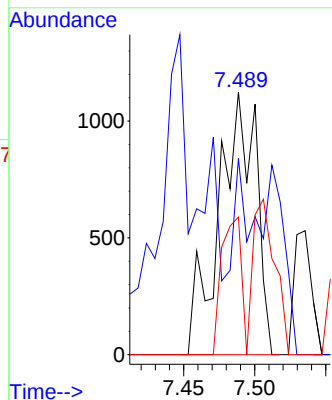
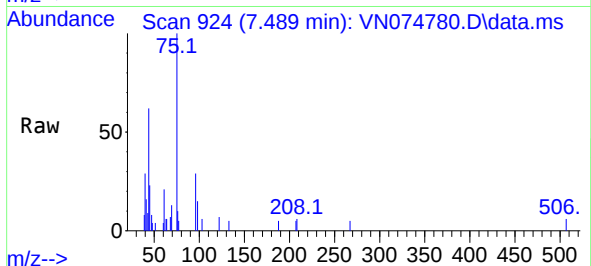




#27
 cis-1,2-Dichloroethene
 Concen: 0.321 ug/l
 RT: 7.489 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN074780.D
 Acq: 06 Oct 2022 13:51

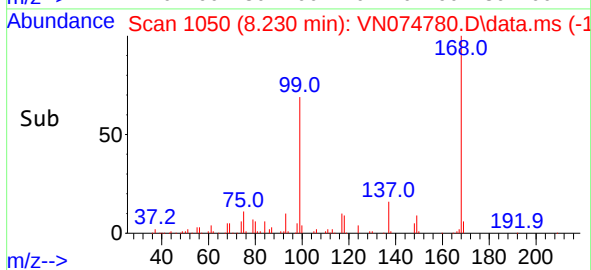
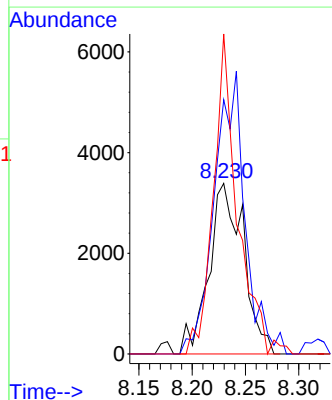
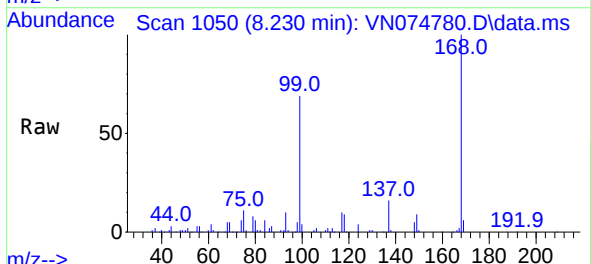
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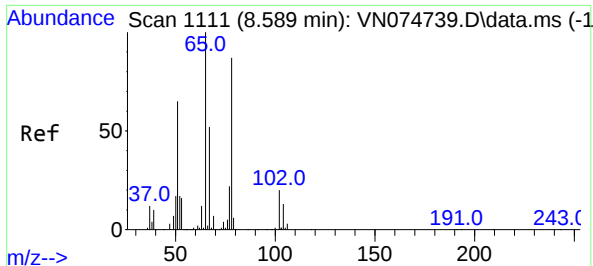
Tgt Ion: 96 Resp: 2043
 Ion Ratio Lower Upper
 96 100
 61 41.7 0.0 303.2
 98 27.7 0.0 131.0



#31
 Cyclohexane
 Concen: 0.729 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.035 min
 Lab File: VN074780.D
 Acq: 06 Oct 2022 13:51

Tgt Ion: 56 Resp: 7686
 Ion Ratio Lower Upper
 56 100
 69 149.0 23.1 34.7#
 84 187.6 67.1 100.7#

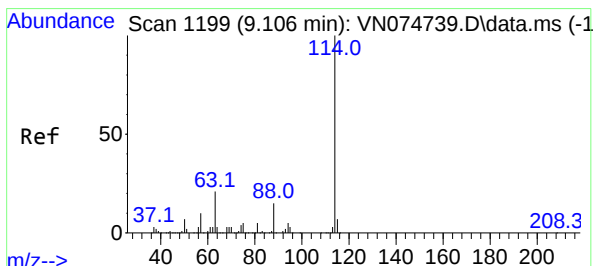
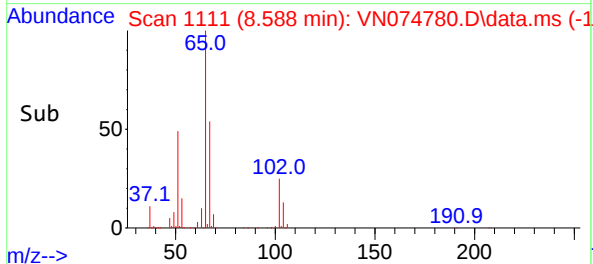
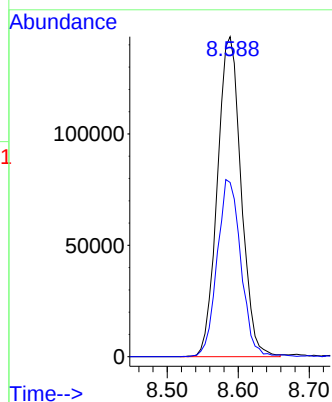
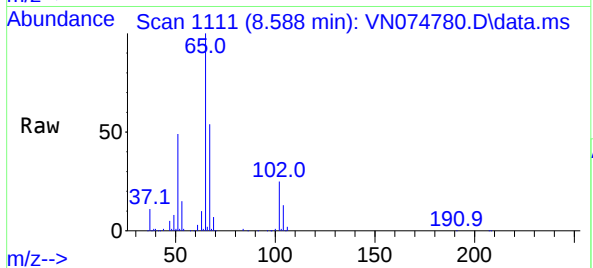




#33
1,2-Dichloroethane-d4
Concen: 54.513 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074780.D
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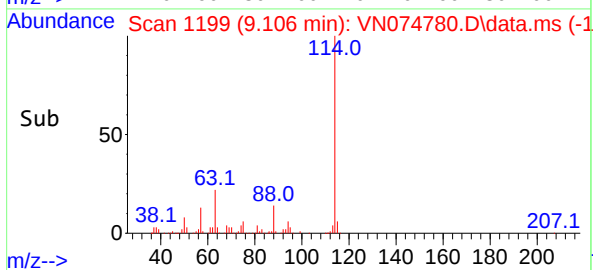
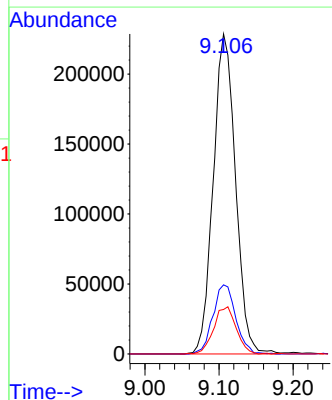
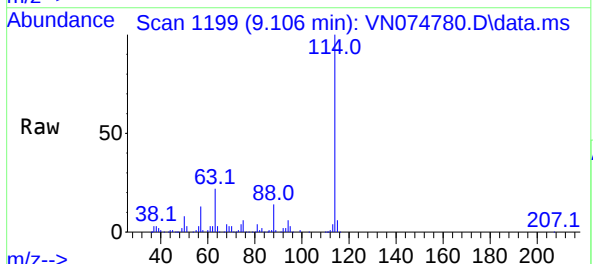
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

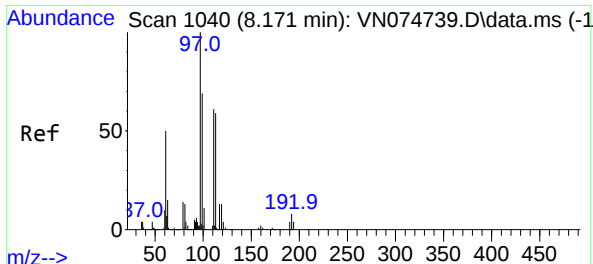
Tgt Ion: 65 Resp: 332666
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 114 Resp: 477097
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.2
88 13.9 0.0 30.2

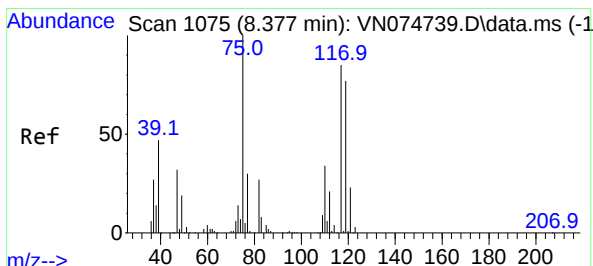
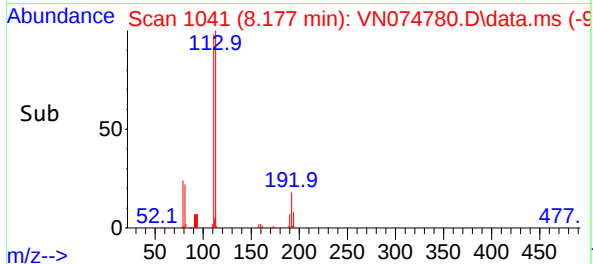
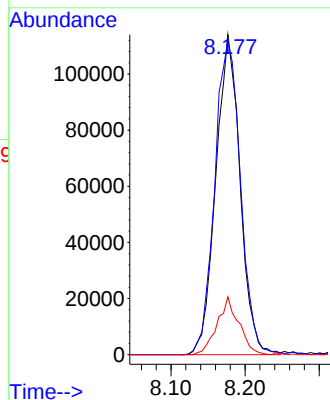
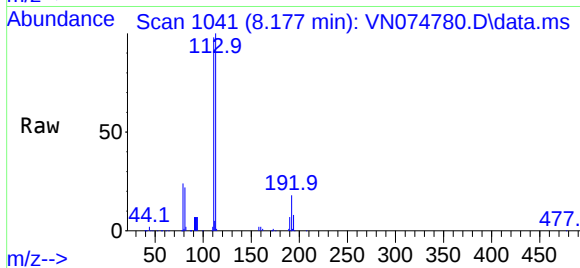




#35
Dibromofluoromethane
Concen: 53.757 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

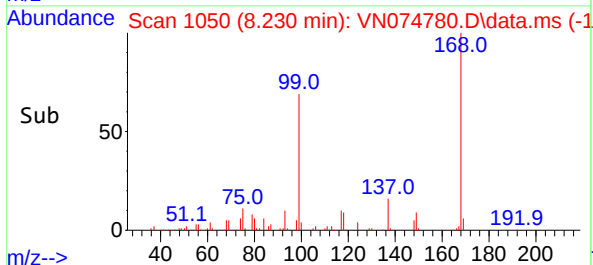
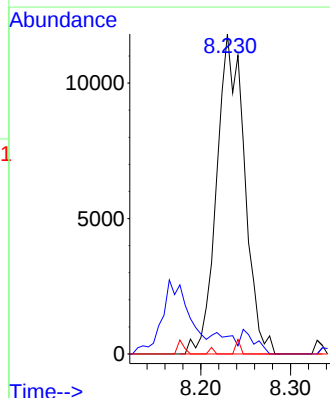
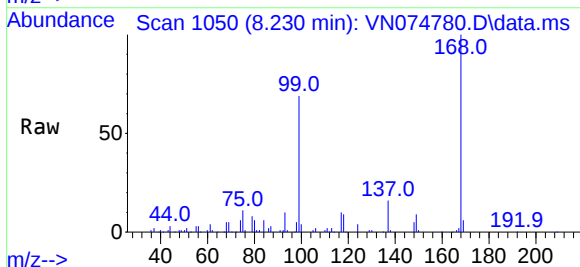
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

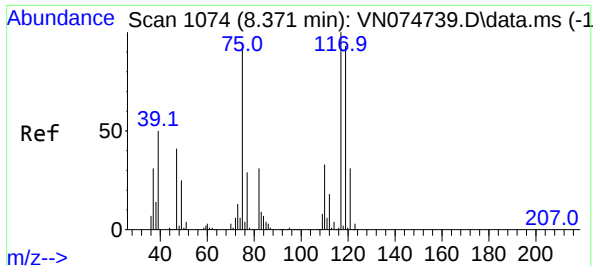
Tgt Ion:113 Resp: 259127
Ion Ratio Lower Upper
113 100
111 104.4 83.0 124.6
192 16.2 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.248 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 75 Resp: 25340
Ion Ratio Lower Upper
75 100
110 3.8 17.2 51.5#
77 0.7 24.3 36.5#

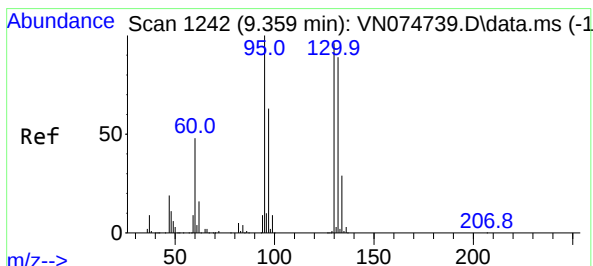
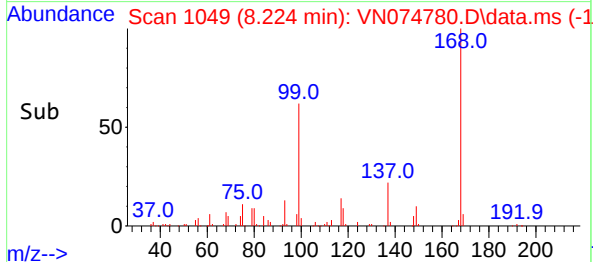
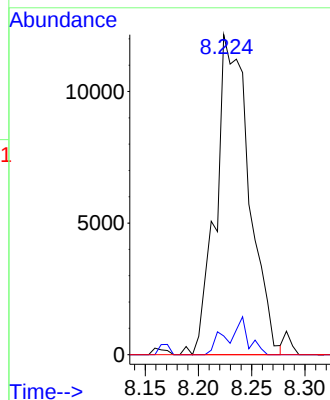
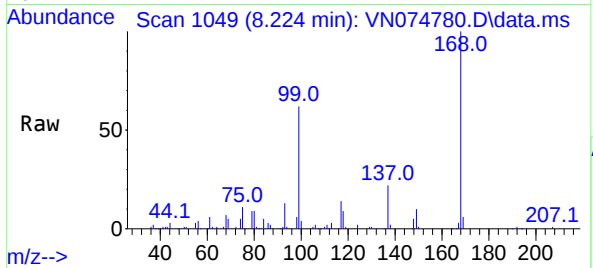




#38
Carbon Tetrachloride
Concen: 3.594 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

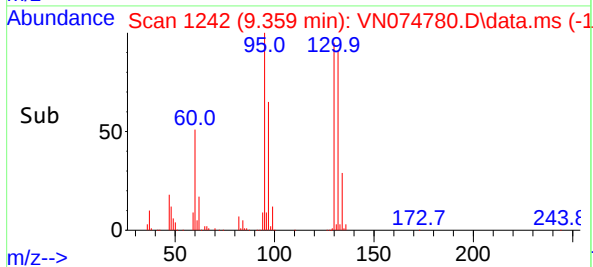
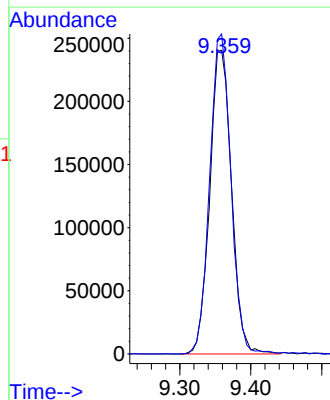
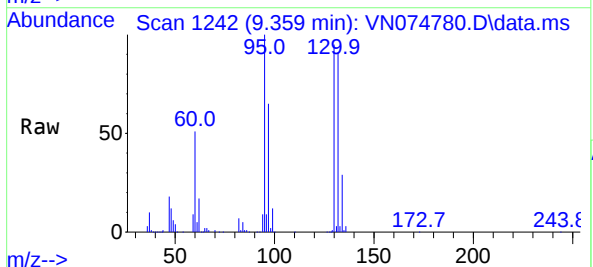
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

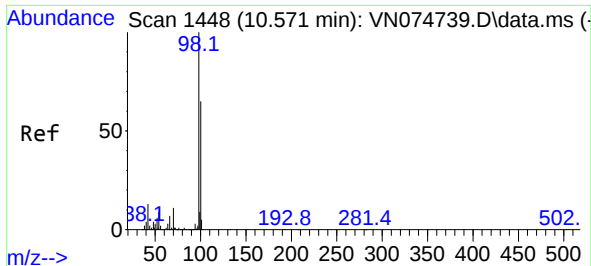
Tgt Ion:117 Resp: 26443
Ion Ratio Lower Upper
117 100
119 5.9 74.3 111.5#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 97.124 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion:130 Resp: 510932
Ion Ratio Lower Upper
130 100
95 105.3 0.0 207.6

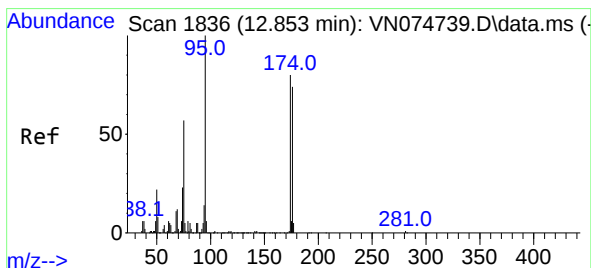
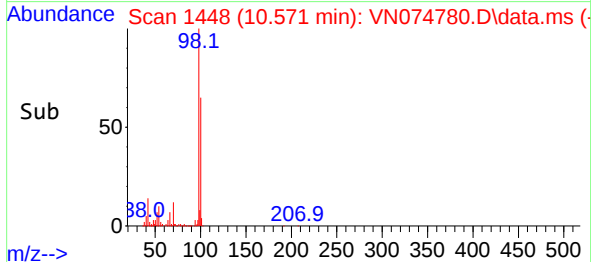
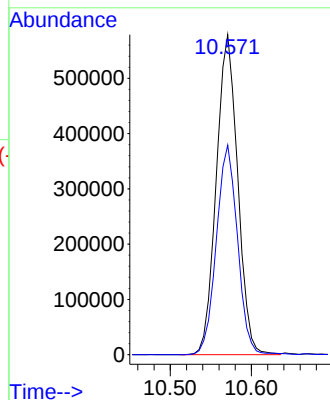
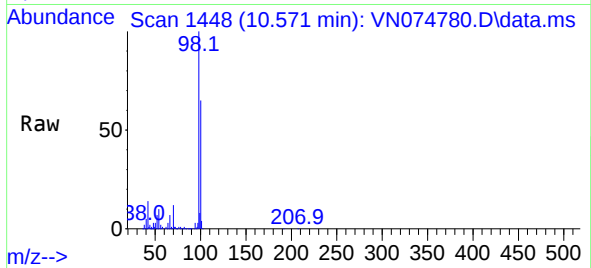




#50
Toluene-d8
Concen: 51.348 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

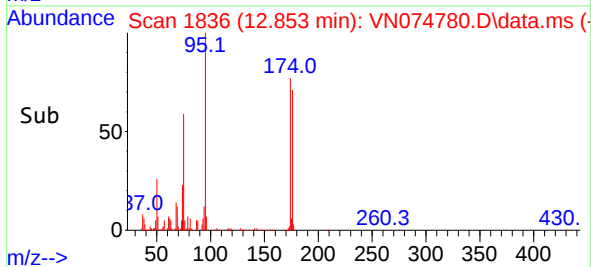
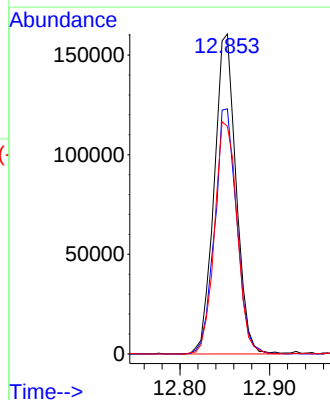
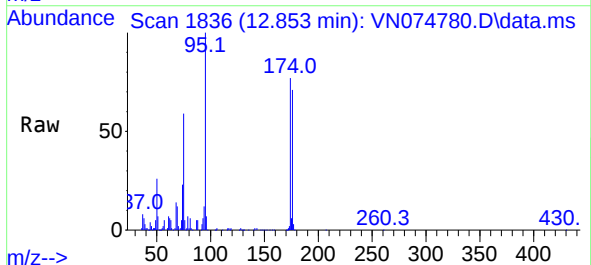
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-743-745DL

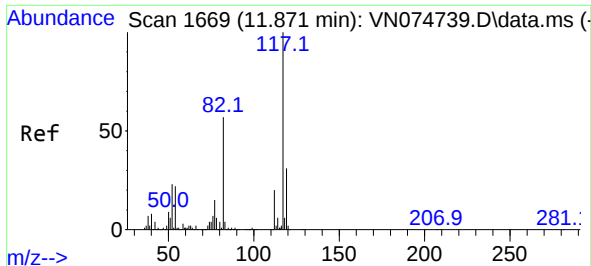
Tgt Ion: 98 Resp: 1062067
Ion Ratio Lower Upper
98 100
100 64.7 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 43.213 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 95 Resp: 271701
Ion Ratio Lower Upper
95 100
174 77.2 0.0 149.4
176 74.7 0.0 142.0

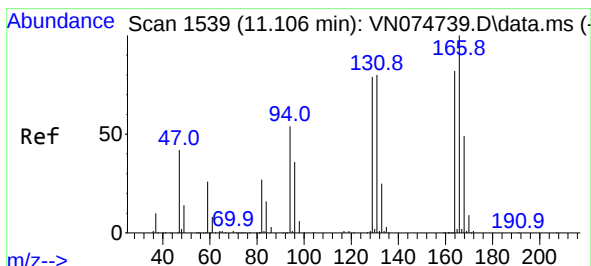
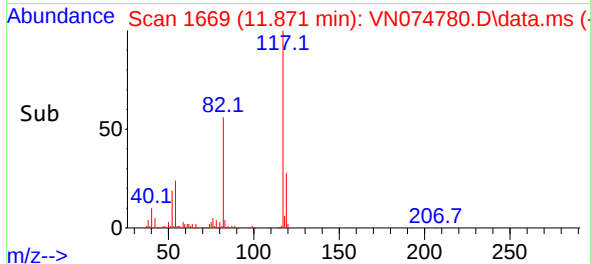
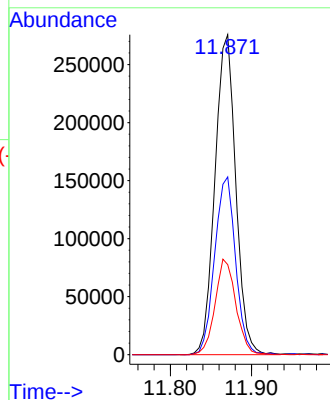
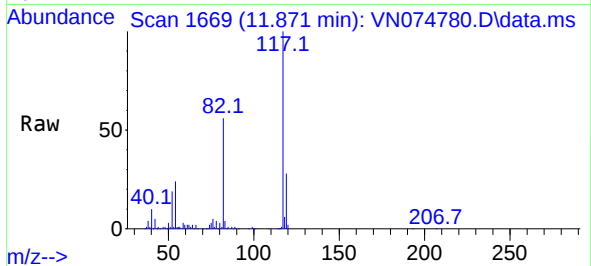




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

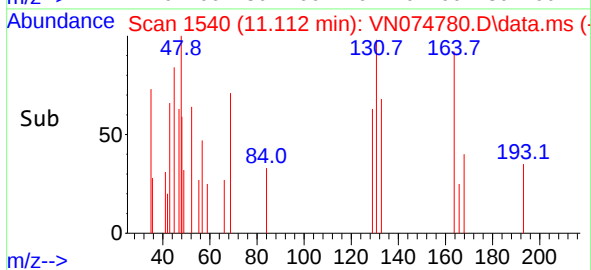
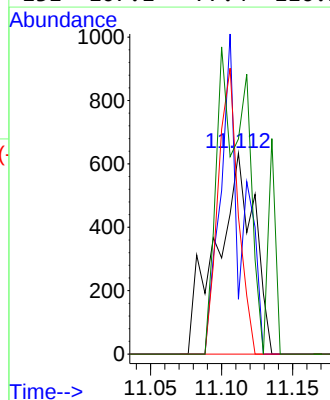
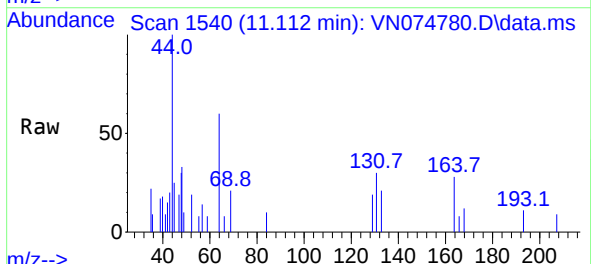
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

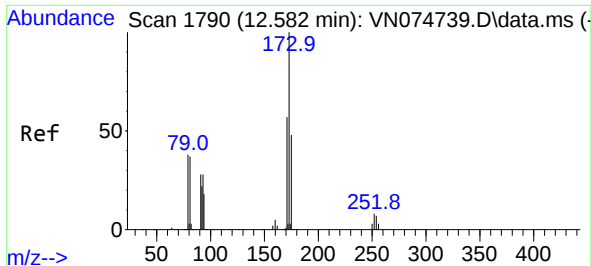
Tgt Ion:	117	Resp:	492614
Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	28.2	25.1	37.7



#64
Tetrachloroethene
Concen: 0.294 ug/l
RT: 11.112 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion:	164	Resp:	1174
Ion	Ratio	Lower	Upper
164	100		
166	27.3	97.0	145.6#
129	68.3	77.0	115.6#
131	107.1	77.4	116.2

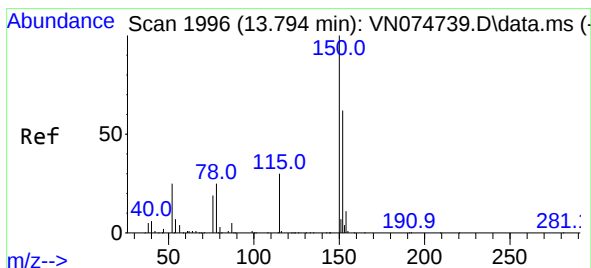
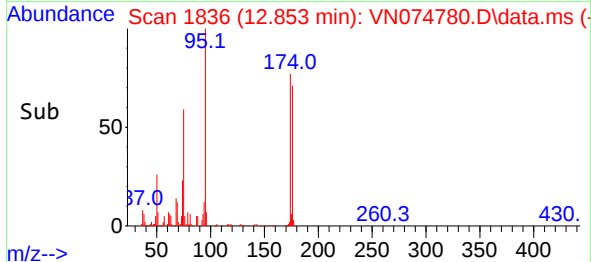
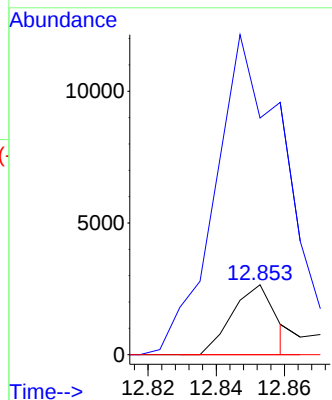
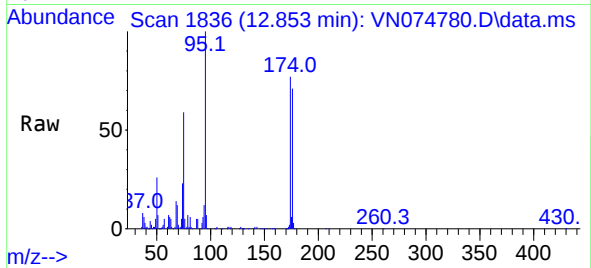




#71
Bromoform
Concen: 0.558 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

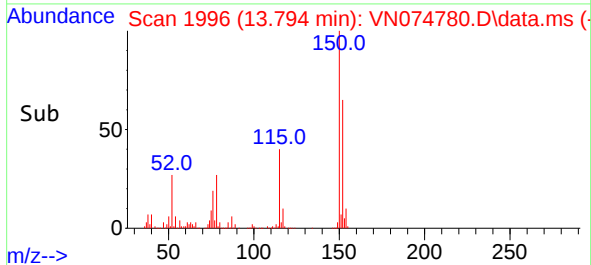
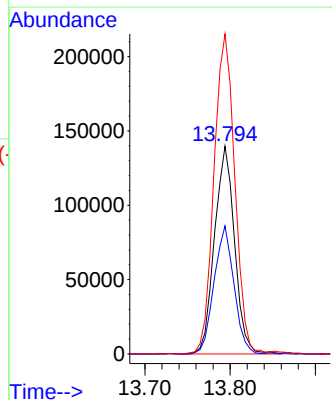
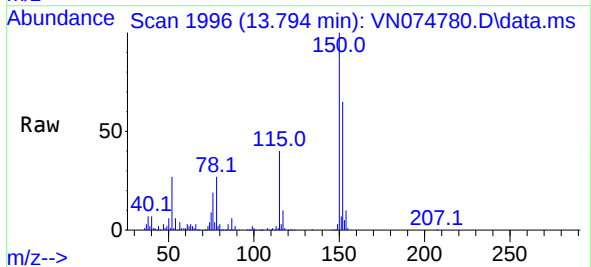
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

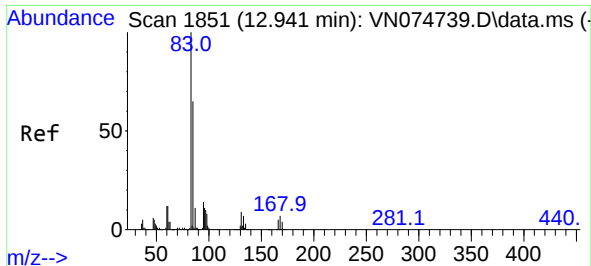
Tgt Ion:173 Resp: 2347
Ion Ratio Lower Upper
173 100
175 501.6 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion:152 Resp: 229065
Ion Ratio Lower Upper
152 100
115 60.9 30.0 90.0
150 159.3 0.0 356.4

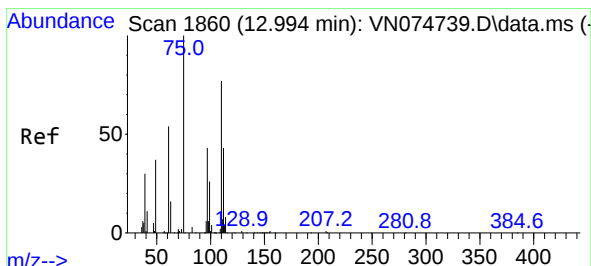
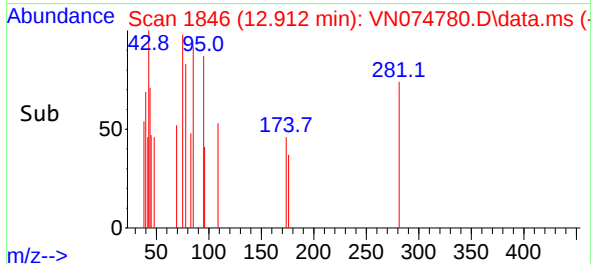
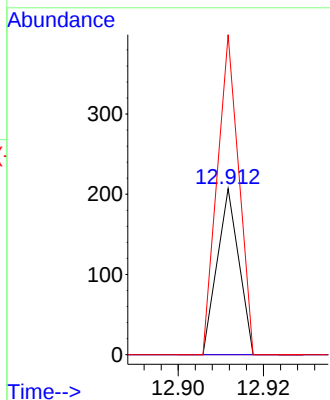
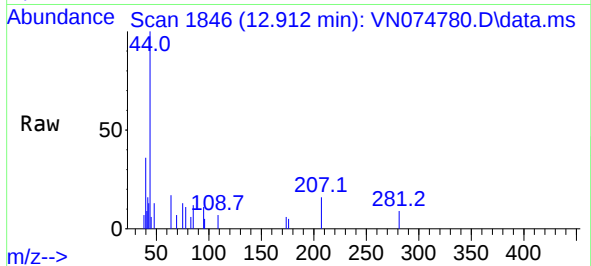




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.912 min Scan# 1846
Delta R.T. -0.029 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

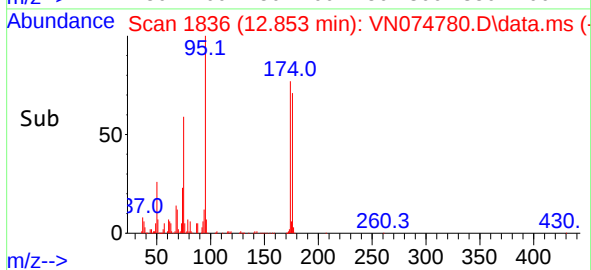
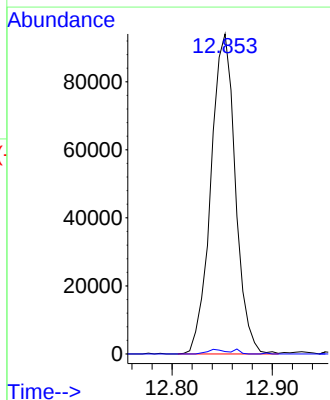
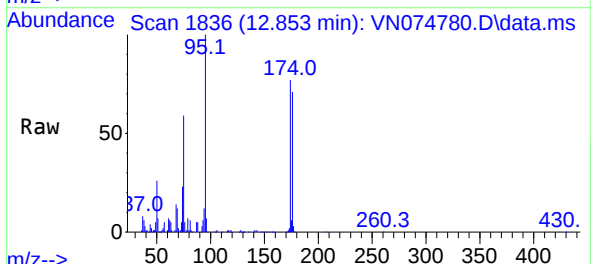
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

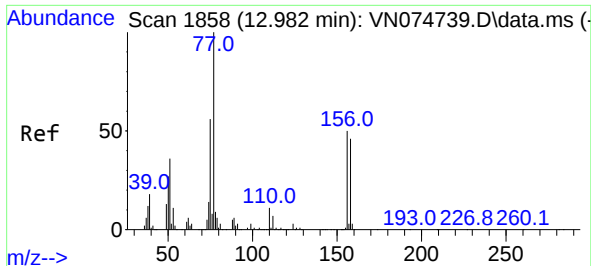
Tgt Ion: 83 Resp: 73
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 193.2 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 23.365 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Tgt Ion: 75 Resp: 159746
Ion Ratio Lower Upper
75 100
77 1.0 76.9 230.7#

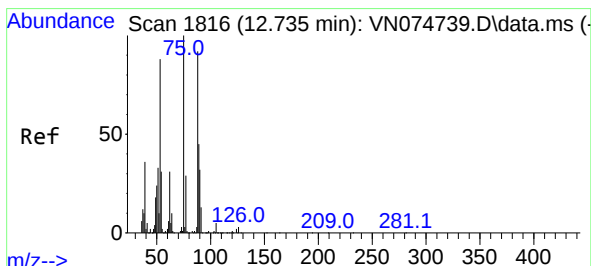
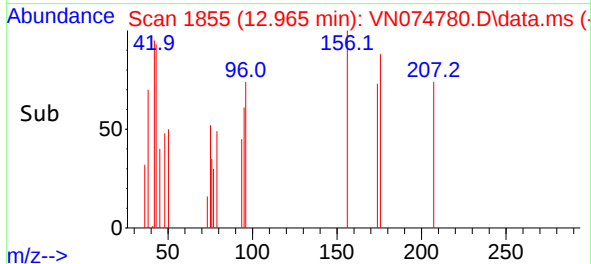
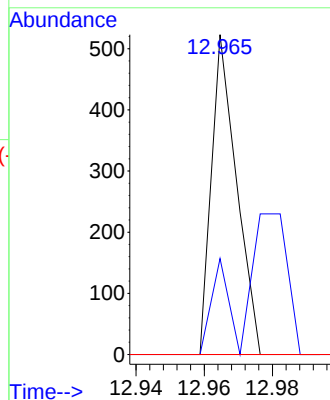
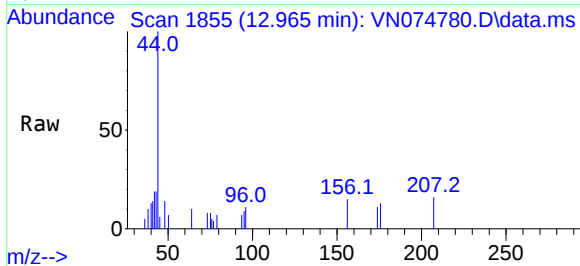




#77
Bromobenzene
Concen: Below Cal
RT: 12.965 min Scan# 1855
Delta R.T. -0.017 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

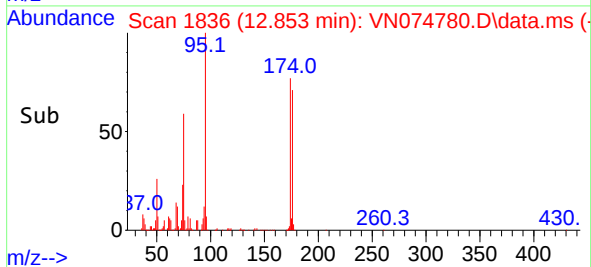
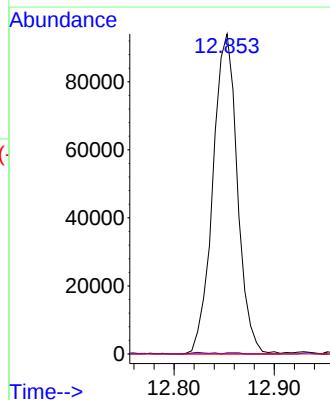
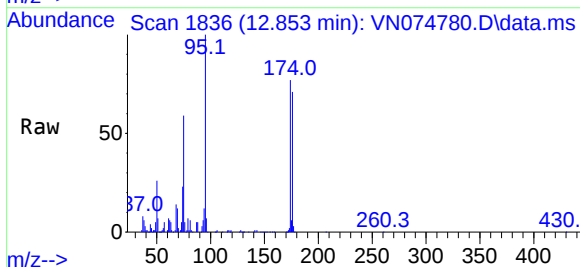
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL

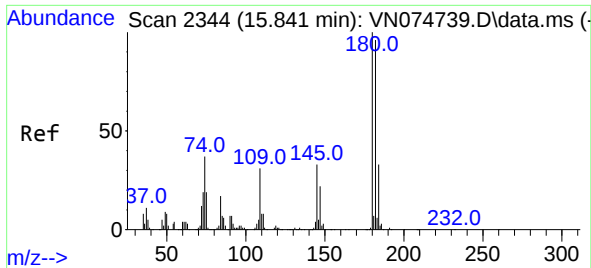
Tgt Ion:	156	Resp:	267
Ion	Ratio	Lower	Upper
156	100		
77	81.6	124.7	374.1#
158	0.0	48.3	144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.524 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

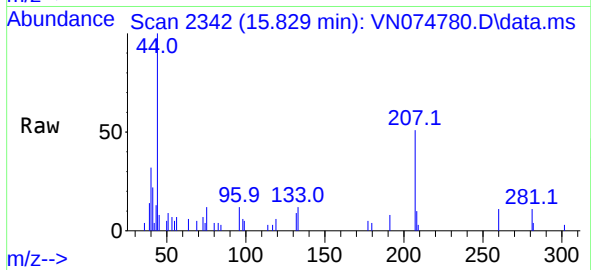
Tgt Ion:	75	Resp:	159746
Ion	Ratio	Lower	Upper
75	100		
53	0.2	71.4	107.0#
89	0.0	32.1	48.1#





#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.829 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN074780.D
Acq: 06 Oct 2022 13:51

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-743-745DL



Tgt Ion:180 Resp: 78
Ion Ratio Lower Upper
180 100
182 207.7 47.3 142.0#
145 0.0 17.1 51.2#

