

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071354.D
 Acq On : 17 Mar 2022 15:58
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Quant Time: Mar 18 07:01:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

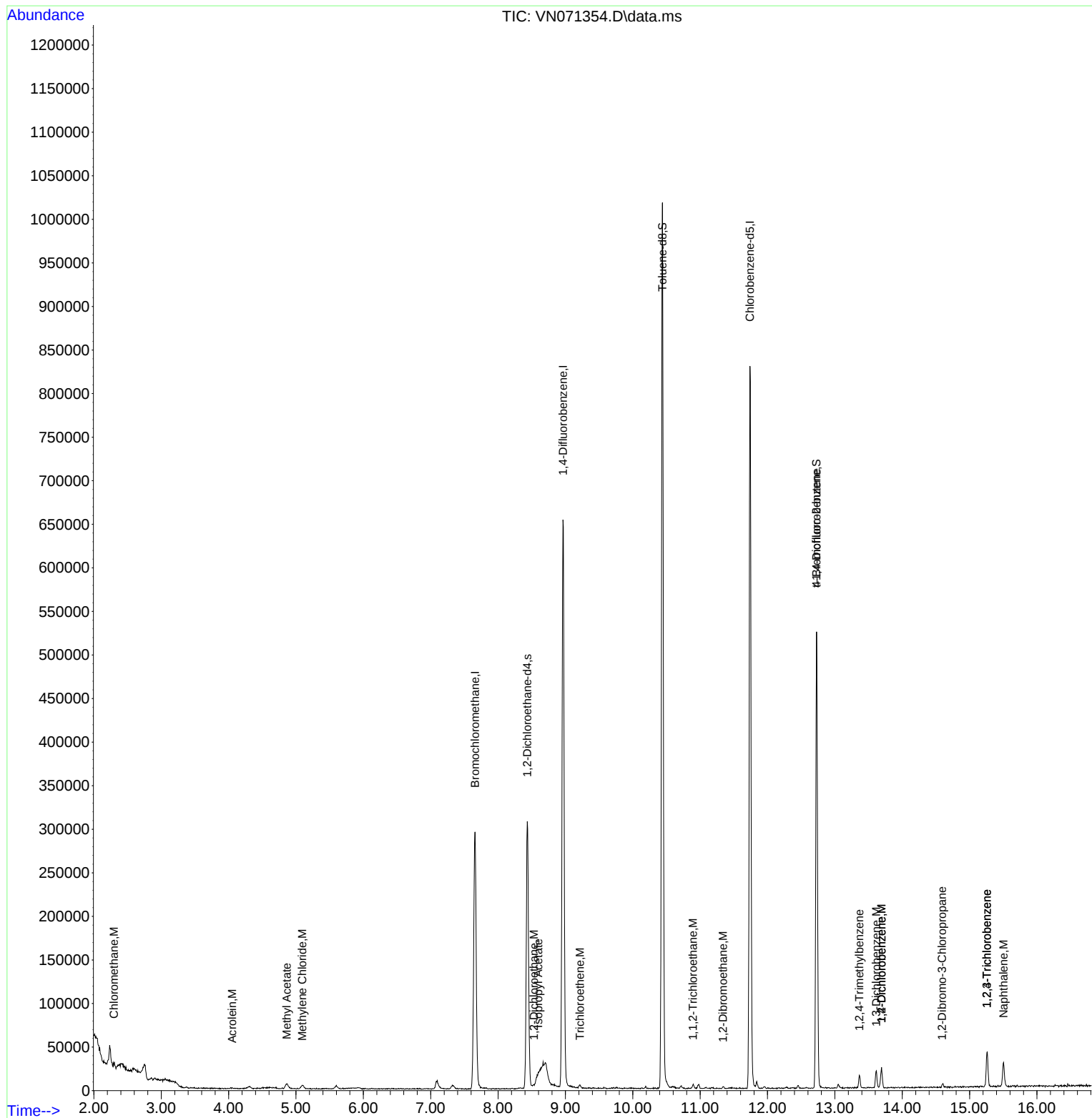
Internal Standards						
1) Bromochloromethane	7.657	128	105970	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	583679	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	489827	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	254855	30.292	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.967%	
60) 4-Bromofluorobenzene	12.727	95	186546	24.651	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 82.167%	
63) Toluene-d8	10.439	98	697938	30.974	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.233%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3255	0.356	ug/l	95
12) Methyl Acetate	4.863	43	10773	0.929	ug/l	91
13) Acrolein	4.052	56	395	0.260	ug/l #	69
18) Methylene Chloride	5.093	84	2476	0.335	ug/l #	90
36) 1,2-Dichloroethane	8.534	62	2821	0.272	ug/l #	95
37) Trichloroethene	9.216	130	1517	0.219	ug/l	86
44) Isopropyl Acetate	8.598	43	16074	0.773	ug/l #	52
50) 1,1,2-Trichloroethane	10.892	97	1612	0.227	ug/l	93
54) 1,2-Dibromoethane	11.339	107	1628	0.221	ug/l	95
77) t-1,4-Dichloro-2-butene	12.727	75	94883	30.778	ug/l #	8
80) 1,2,4-Trimethylbenzene	13.363	105	9061	0.399	ug/l #	81
83) 1,3-Dichlorobenzene	13.616	146	9039	0.801	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	10604	0.987	ug/l	93
87) 1,2-Dichlorobenzene	13.692	146	10604	0.969	ug/l	89
88) 1,2-Dibromo-3-Chloropr...	14.592	75	580	0.295	ug/l #	28
89) 1,2,4-Trichlorobenzene	15.257	180	14961	2.951	ug/l	96
91) Naphthalene	15.504	128	27102	1.708	ug/l	95
92) 1,2,3-Trichlorobenzene	15.257	180	14961	2.877	ug/l	97

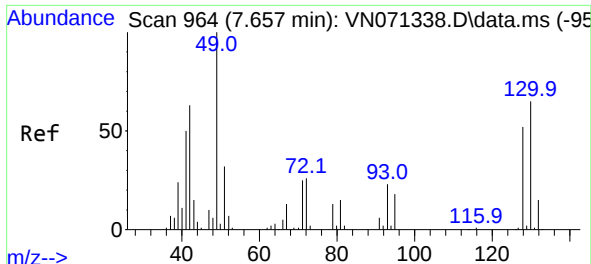
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 07:01:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 17 06:37:08 2022
Response via : Initial Calibration

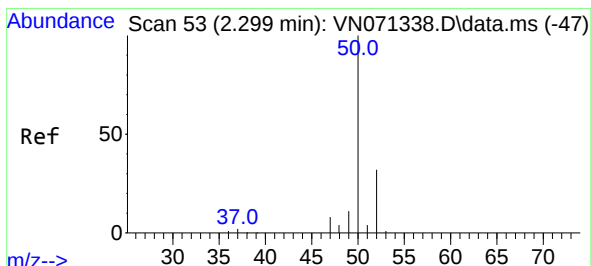
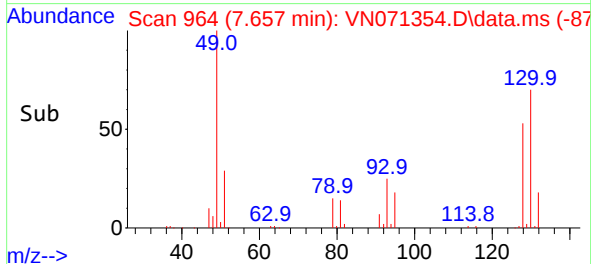
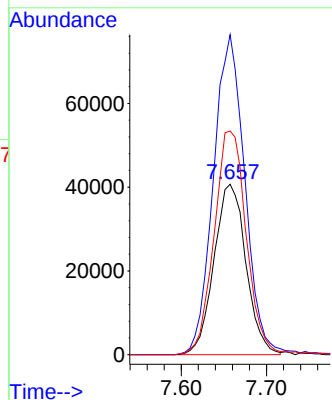
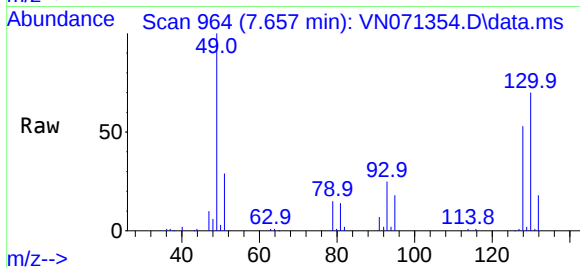




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

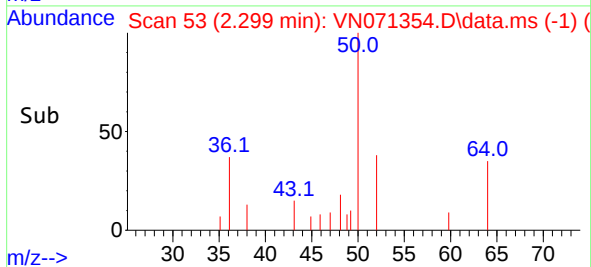
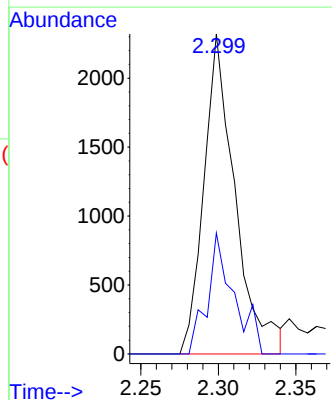
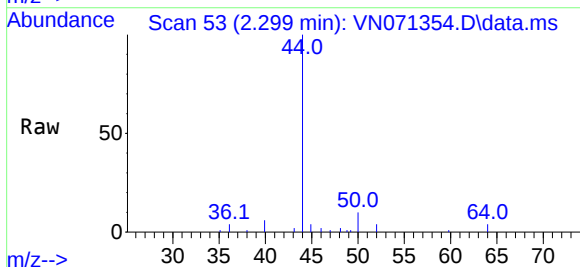
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

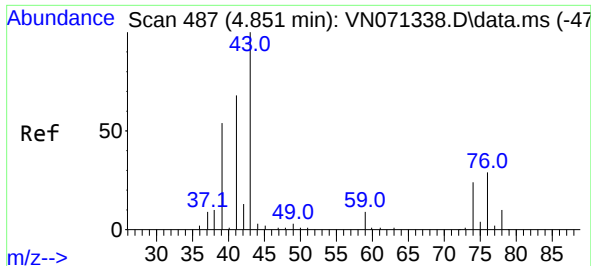
Tgt Ion:128 Resp: 105970
Ion Ratio Lower Upper
128 100
49 184.5 0.0 392.3
130 132.7 0.0 320.2



#3
Chloromethane
Concen: 0.356 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion: 50 Resp: 3255
Ion Ratio Lower Upper
50 100
52 37.8 27.8 41.6

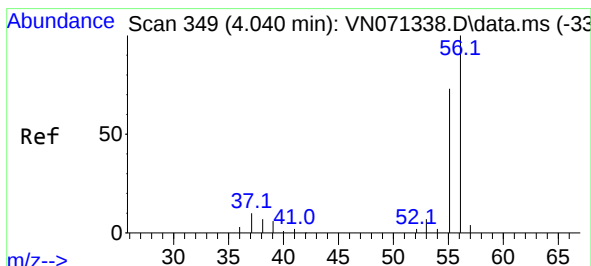
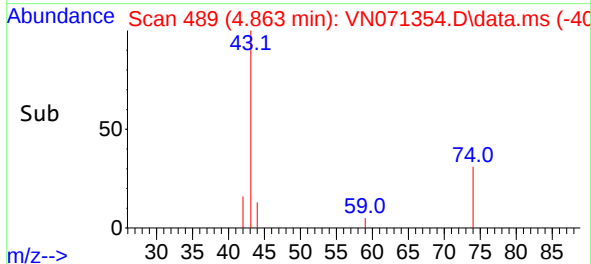
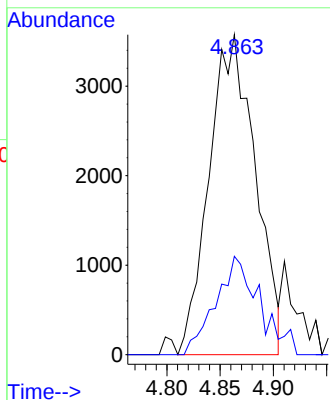
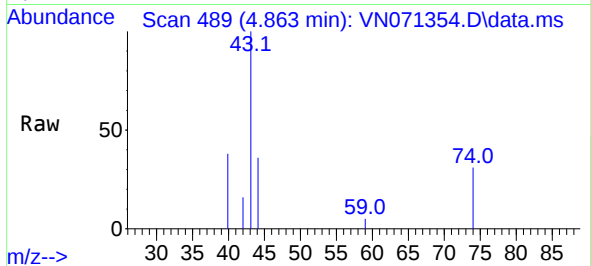




#12
Methyl Acetate
Concen: 0.929 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

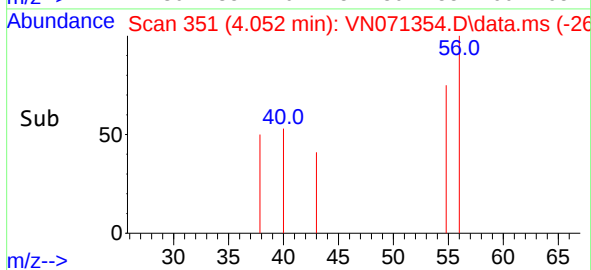
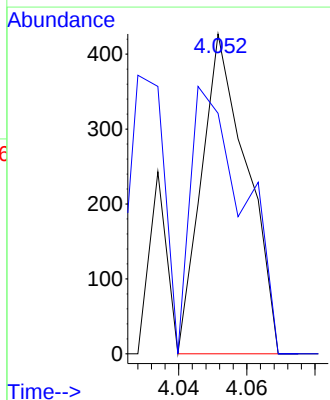
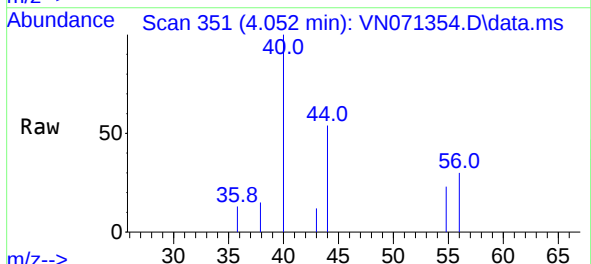
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

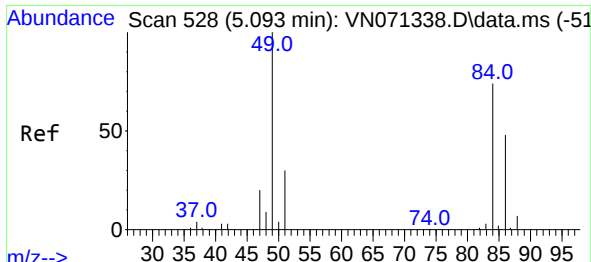
Tgt Ion: 43 Resp: 10773
Ion Ratio Lower Upper
43 100
74 30.6 20.8 31.2



#13
Acrolein
Concen: 0.260 ug/l
RT: 4.052 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion: 56 Resp: 395
Ion Ratio Lower Upper
56 100
55 97.5 57.6 86.4#



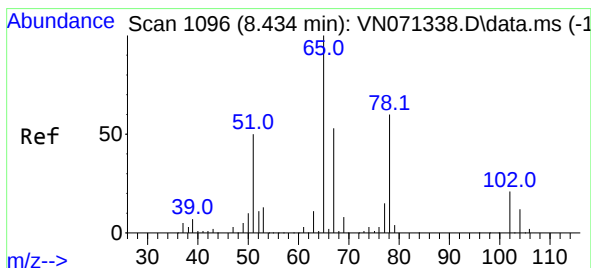
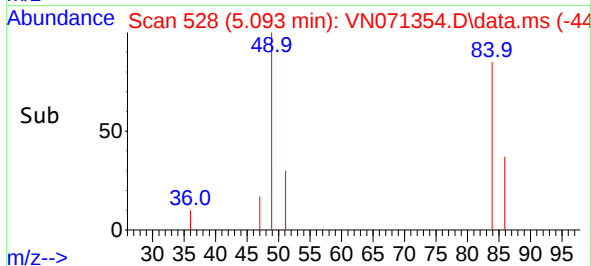
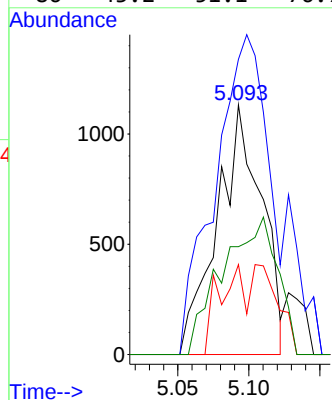
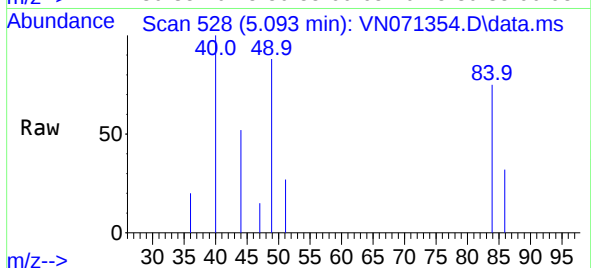


#18
Methylene Chloride
Concen: 0.335 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

Tgt Ion: 84 Resp: 2476

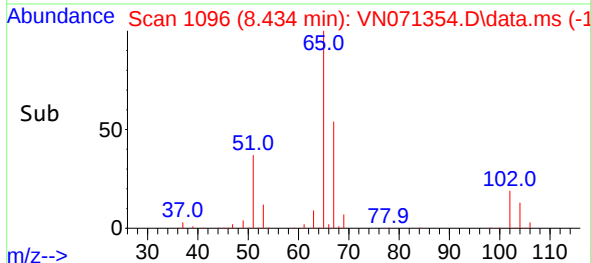
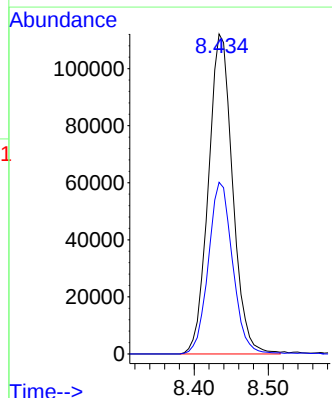
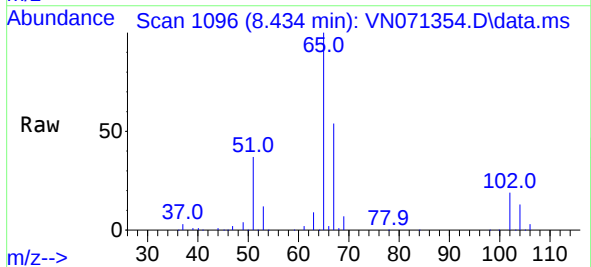
Ion	Ratio	Lower	Upper
84	100		
49	118.2	91.4	137.0
51	36.0	29.4	44.0
86	43.2	51.1	76.7

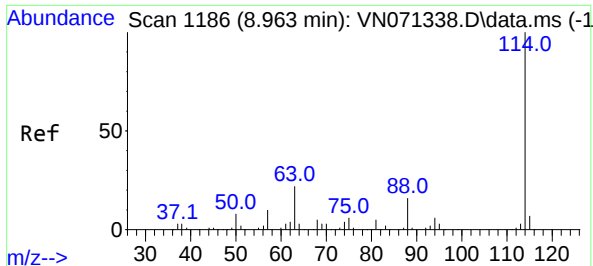


#27
1,2-Dichloroethane-d4
Concen: 30.292 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion: 65 Resp: 254855

Ion	Ratio	Lower	Upper
65	100		
67	53.7	40.2	60.2

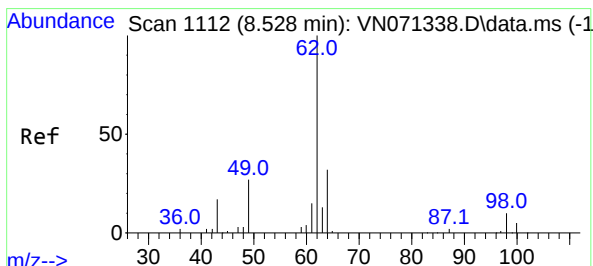
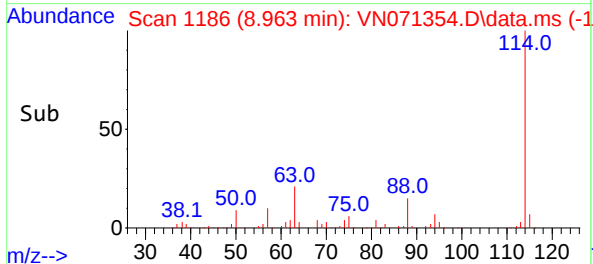
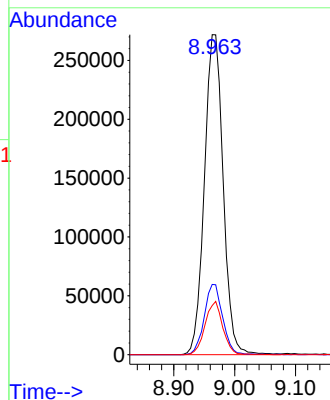
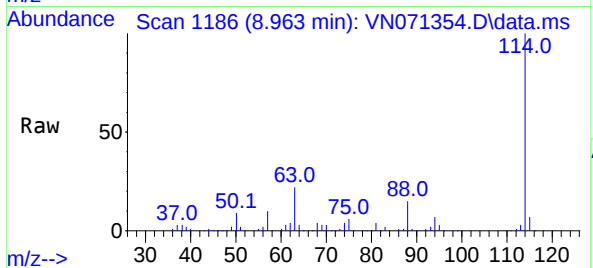




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

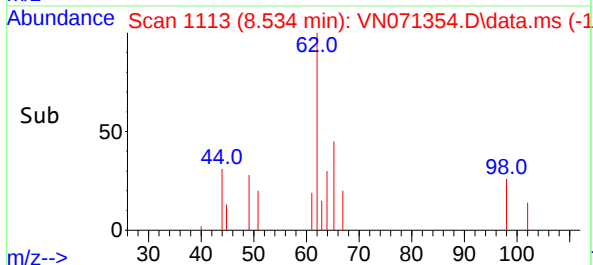
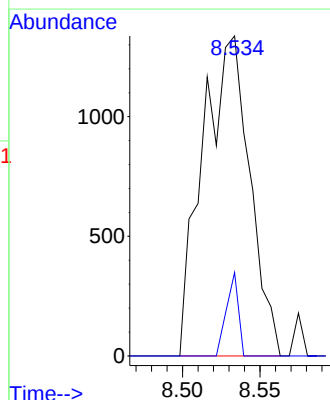
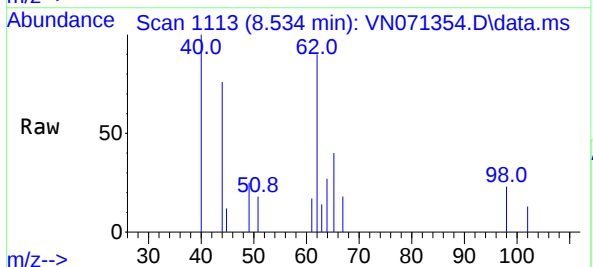
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

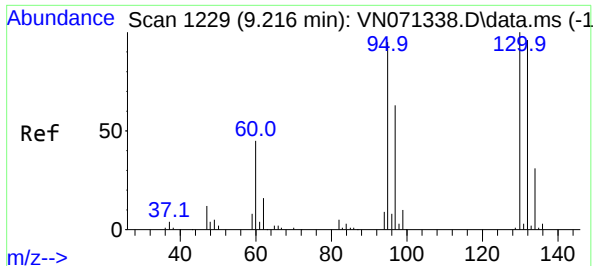
Tgt Ion:114 Resp: 583679
Ion Ratio Lower Upper
114 100
63 21.4 15.8 23.6
88 15.6 11.6 17.4



#36
1,2-Dichloroethane
Concen: 0.272 ug/l
RT: 8.534 min Scan# 1113
Delta R.T. 0.006 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion: 62 Resp: 2821
Ion Ratio Lower Upper
62 100
98 6.6 6.6 10.0#





#37

Trichloroethene

Concen: 0.219 ug/l

RT: 9.216 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN071354.D

Acq: 17 Mar 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

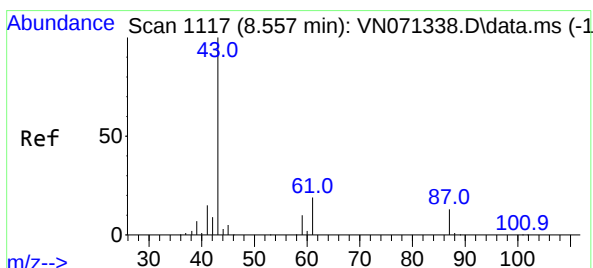
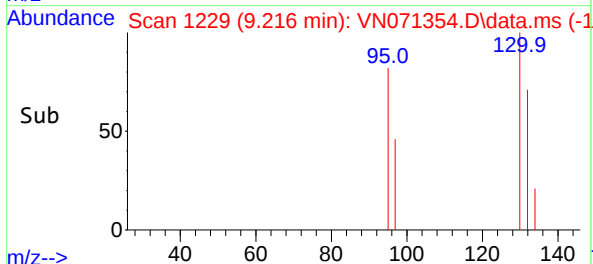
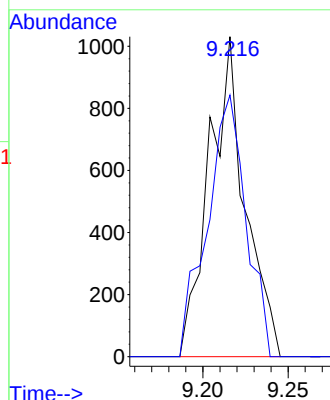
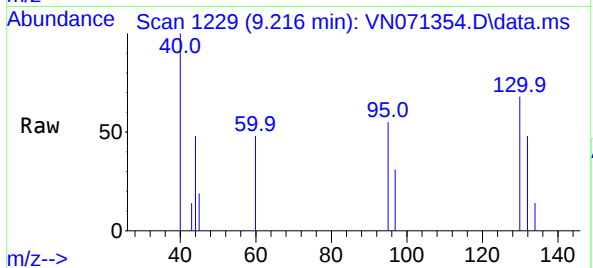
PT-VOA-WP

Tgt Ion:130 Resp: 1517

Ion Ratio Lower Upper

130 100

95 81.8 76.6 115.0



#44

Isopropyl Acetate

Concen: 0.773 ug/l

RT: 8.598 min Scan# 1124

Delta R.T. 0.041 min

Lab File: VN071354.D

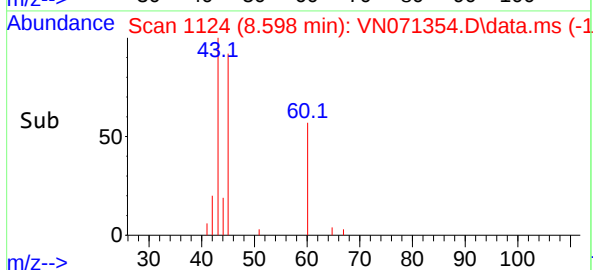
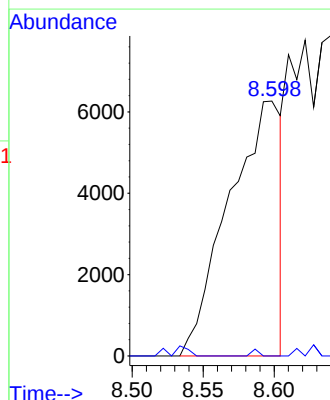
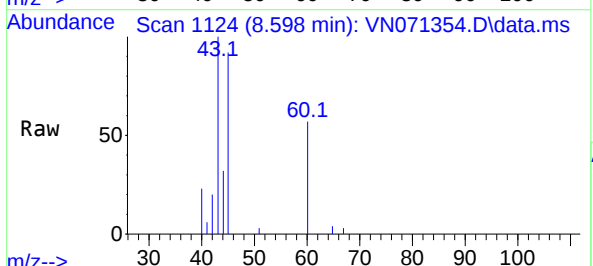
Acq: 17 Mar 2022 15:58

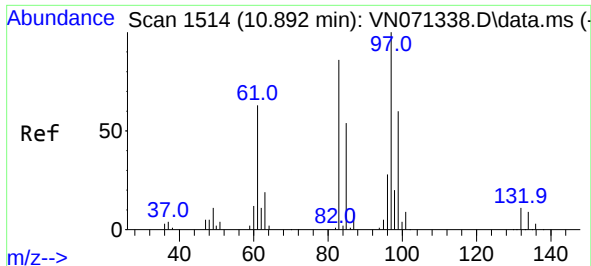
Tgt Ion: 43 Resp: 16074

Ion Ratio Lower Upper

43 100

61 0.9 20.1 30.1#



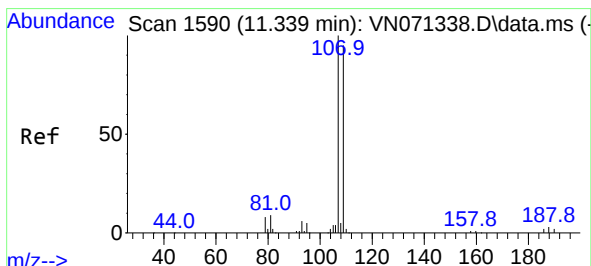
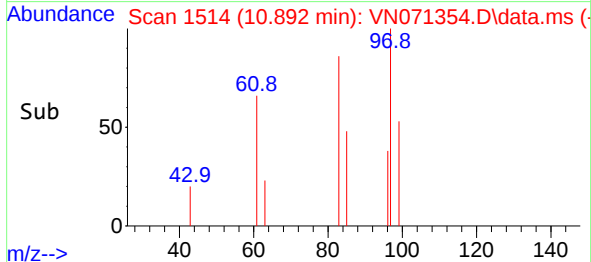
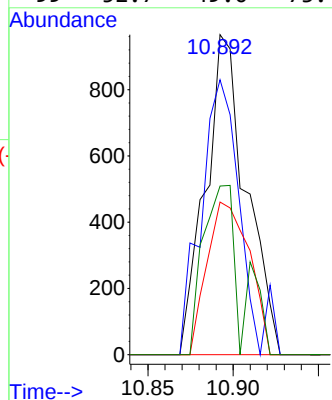
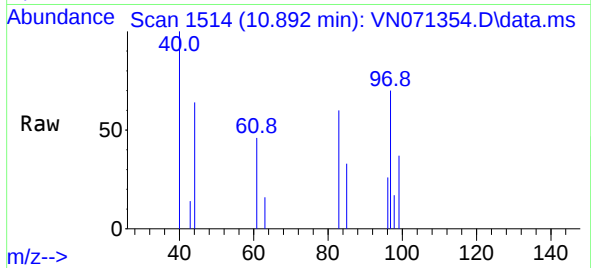


#50
1,1,2-Trichloroethane
Concen: 0.227 ug/l
RT: 10.892 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

Tgt Ion: 97 Resp: 1612

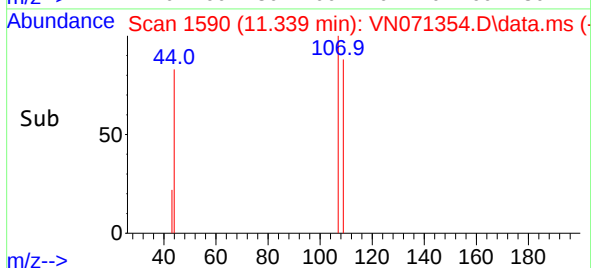
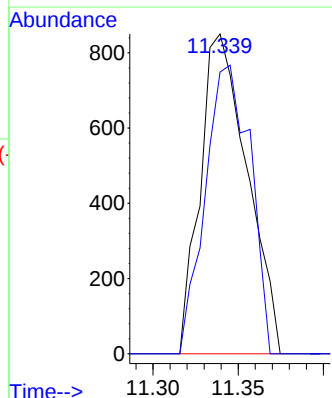
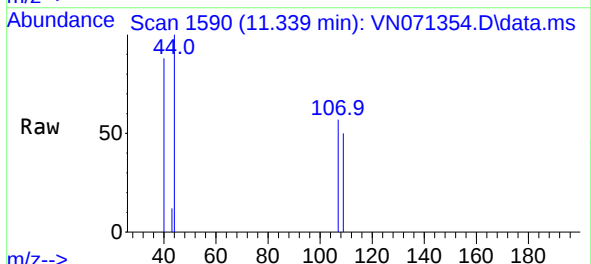
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.2	100.8
85	47.7	43.0	64.4
99	52.7	49.0	73.4

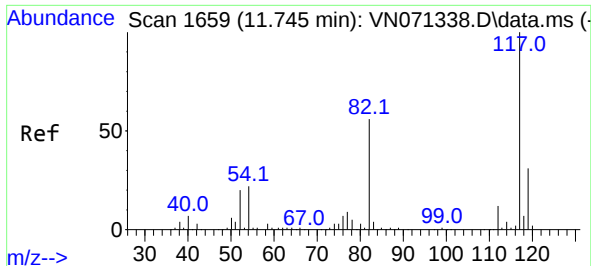


#54
1,2-Dibromoethane
Concen: 0.221 ug/l
RT: 11.339 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion: 107 Resp: 1628

Ion	Ratio	Lower	Upper
107	100		
109	86.5	72.8	109.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071354.D

Acq: 17 Mar 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

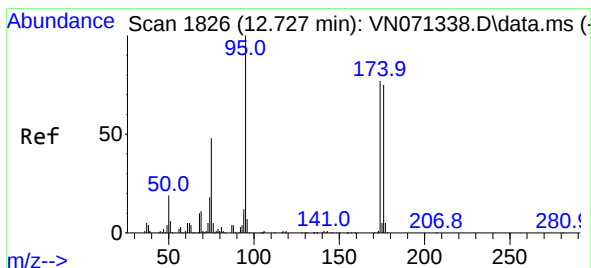
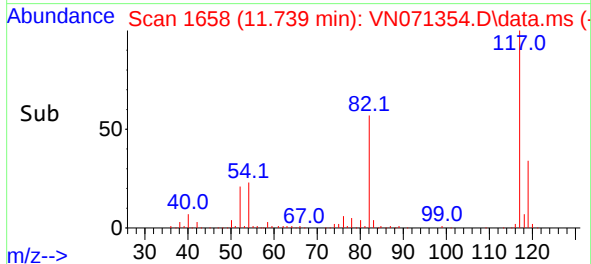
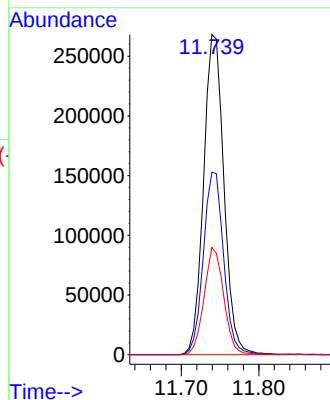
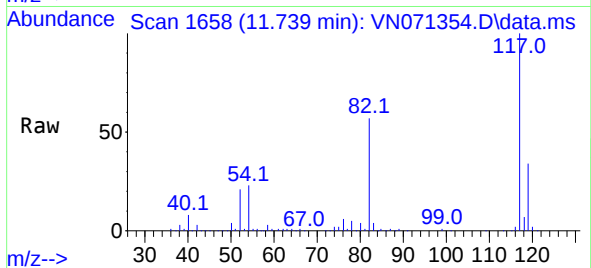
Tgt Ion:117 Resp: 489827

Ion Ratio Lower Upper

117 100

82 56.8 43.6 65.4

119 32.3 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 24.651 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071354.D

Acq: 17 Mar 2022 15:58

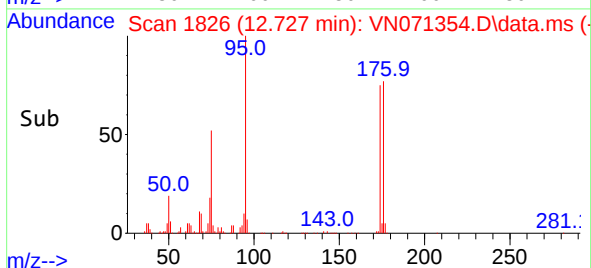
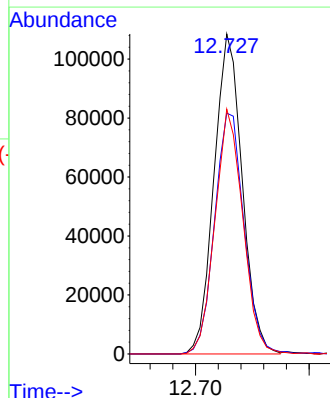
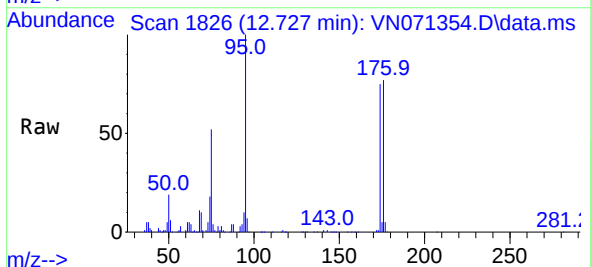
Tgt Ion: 95 Resp: 186546

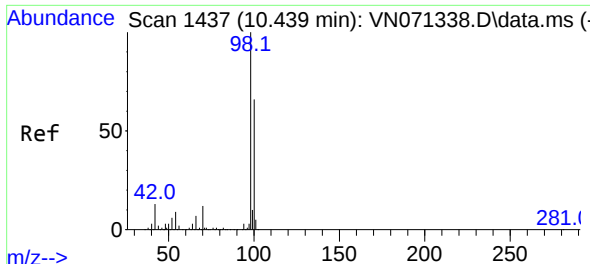
Ion Ratio Lower Upper

95 100

174 78.9 62.9 94.3

176 75.8 61.0 91.4

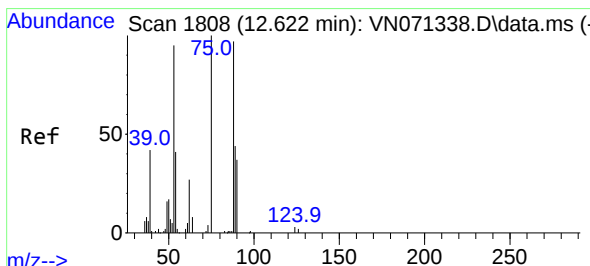
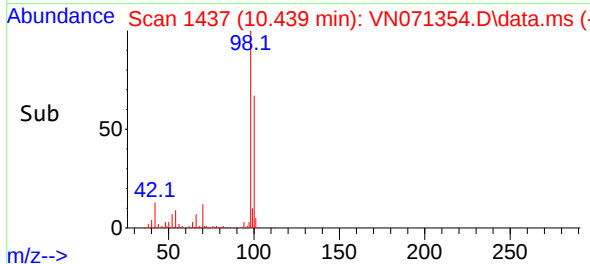
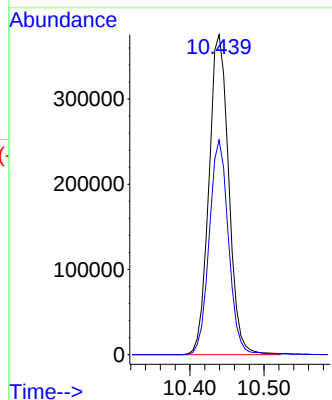
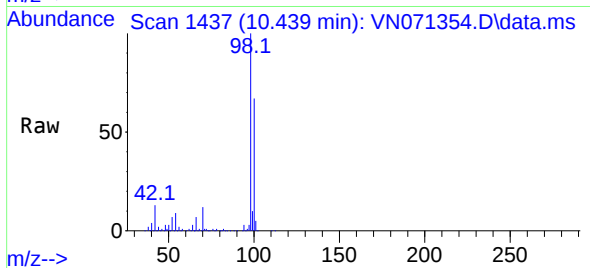




#63
Toluene-d8
Concen: 30.974 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

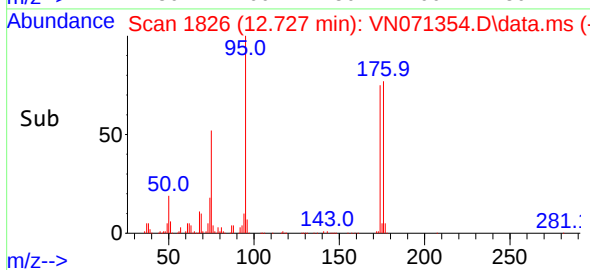
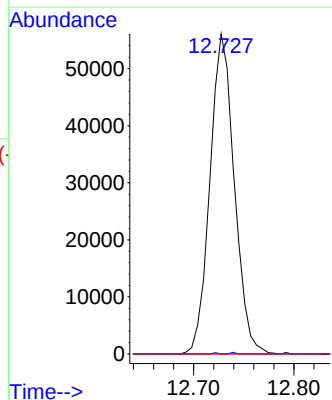
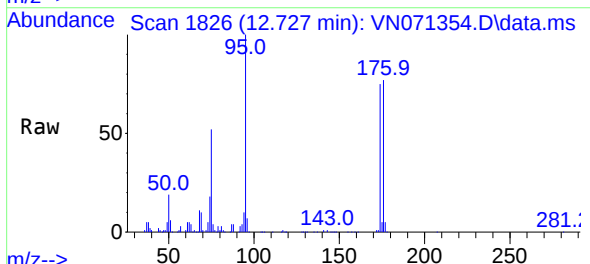
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

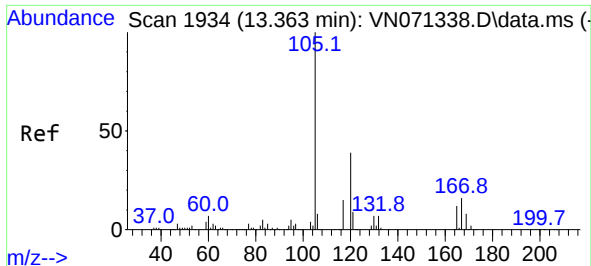
Tgt Ion: 98 Resp: 697938
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 30.778 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion: 75 Resp: 94883
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

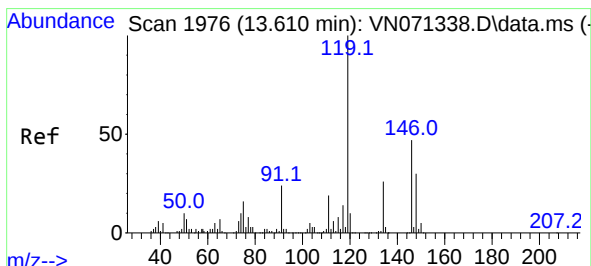
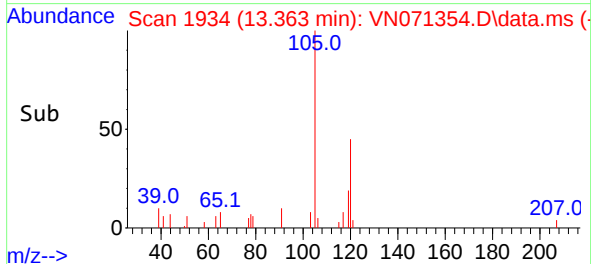
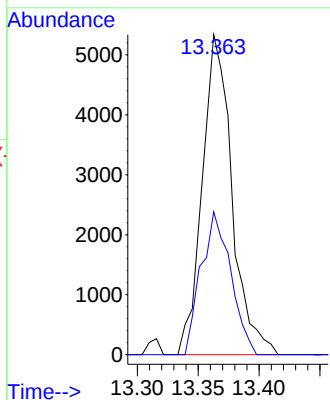
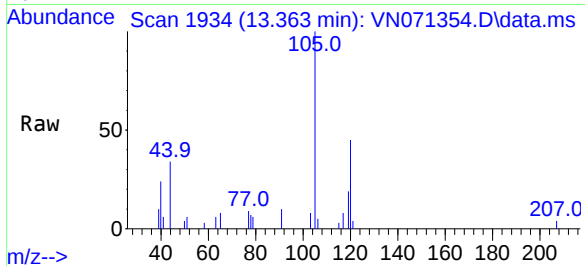




#80
1,2,4-Trimethylbenzene
Concen: 0.399 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

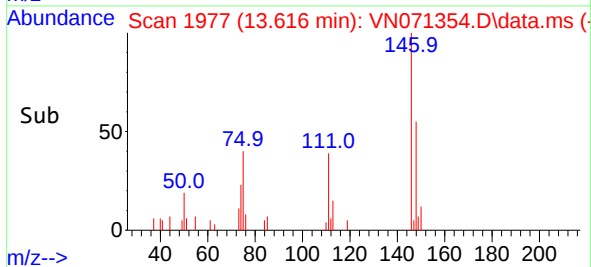
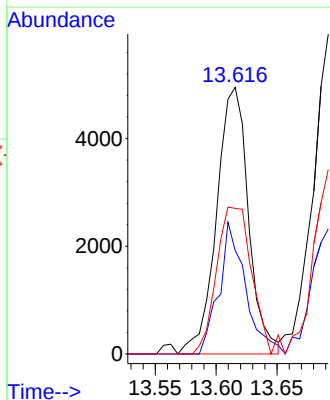
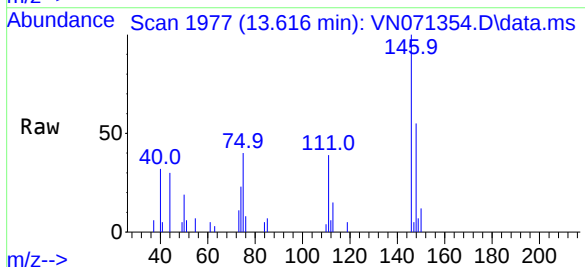
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

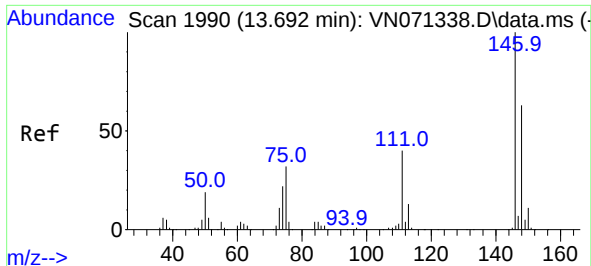
Tgt Ion:105 Resp: 9061
Ion Ratio Lower Upper
105 100
120 44.6 0.0 0.2#



#83
1,3-Dichlorobenzene
Concen: 0.801 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion:146 Resp: 9039
Ion Ratio Lower Upper
146 100
111 40.9 20.8 62.2
148 60.0 31.4 94.3

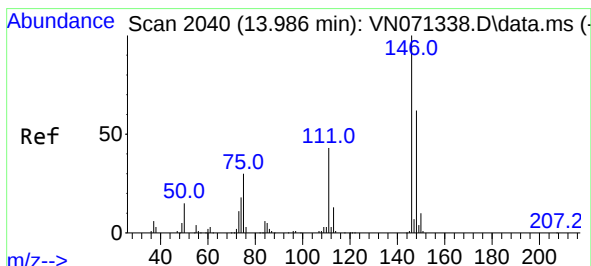
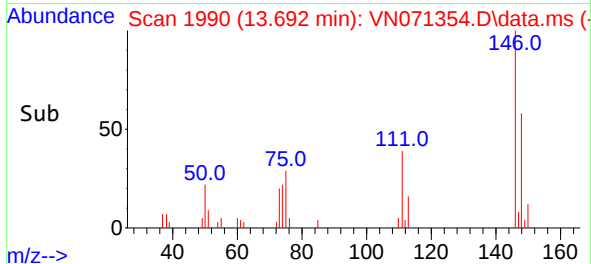
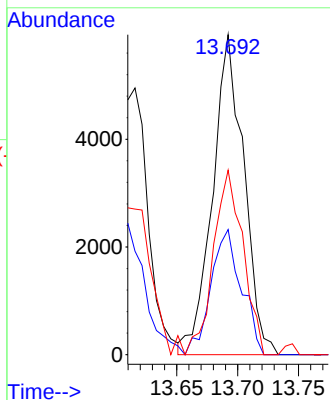
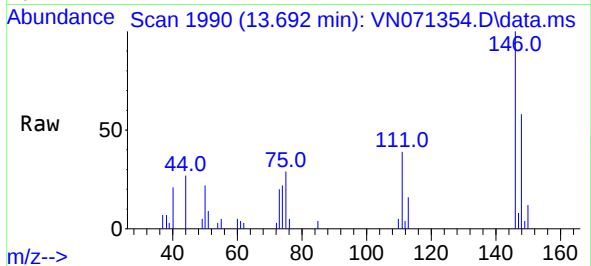




#84
1,4-Dichlorobenzene
Concen: 0.987 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

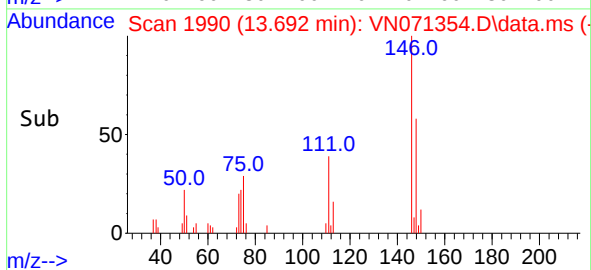
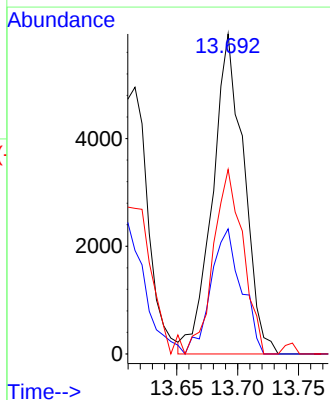
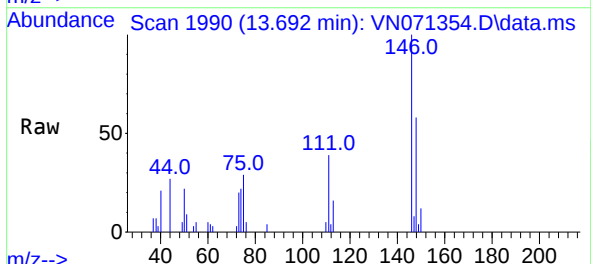
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

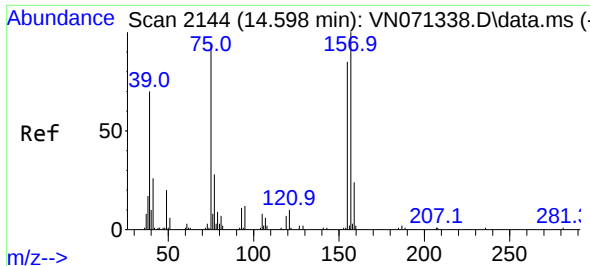
Tgt Ion:146	Resp:	10604
Ion	Ratio	Lower Upper
146	100	
111	38.2	19.5 58.5
148	54.7	31.1 93.5



#87
1,2-Dichlorobenzene
Concen: 0.969 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. -0.294 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion:146	Resp:	10604
Ion	Ratio	Lower Upper
146	100	
111	38.2	21.4 64.2
148	54.7	32.5 97.4

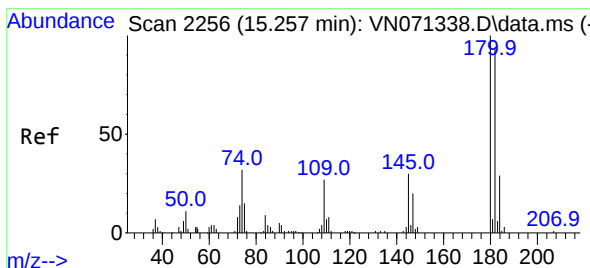
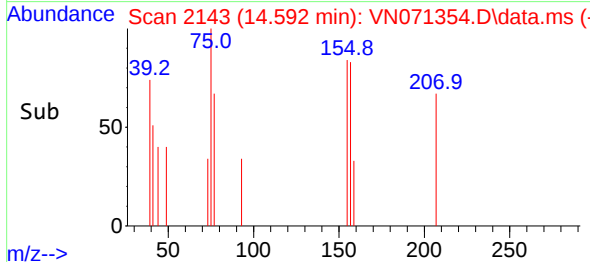
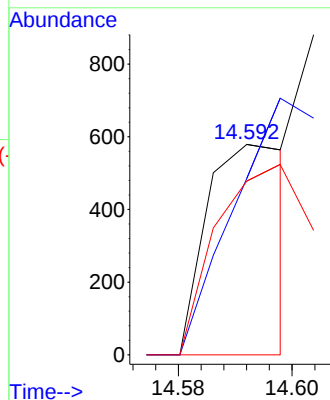
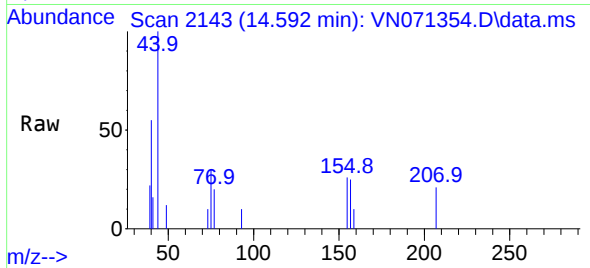




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.295 ug/l
RT: 14.592 min Scan# 2143
Delta R.T. -0.006 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

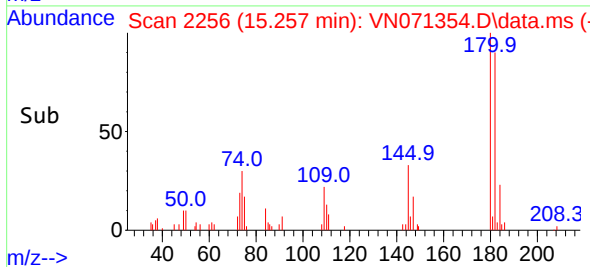
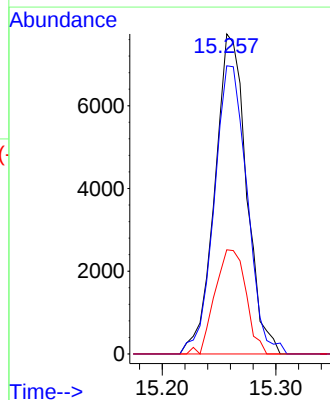
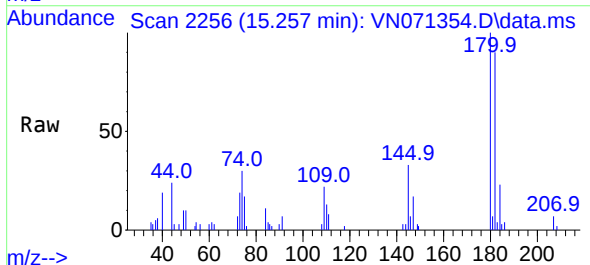
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

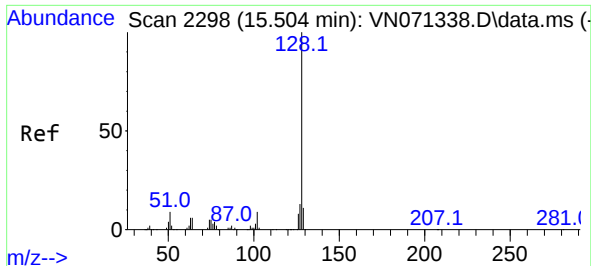
Tgt Ion: 75 Resp: 580
Ion Ratio Lower Upper
75 100
155 168.6 63.8 95.8#
157 145.0 77.9 116.9#



#89
1,2,4-Trichlorobenzene
Concen: 2.951 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion:180 Resp: 14961
Ion Ratio Lower Upper
180 100
182 92.7 77.7 116.5
145 31.5 26.6 39.8

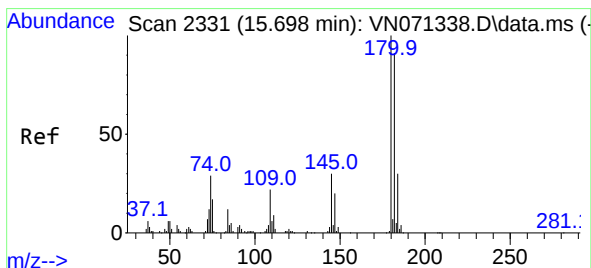
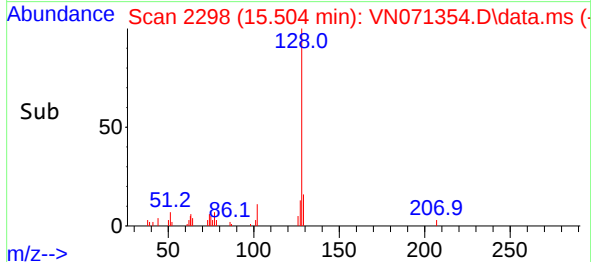
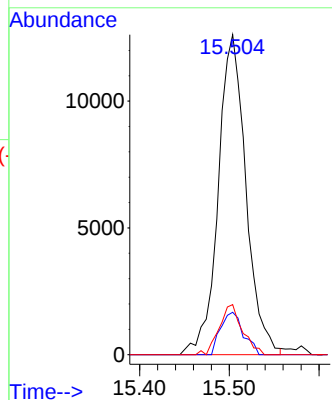
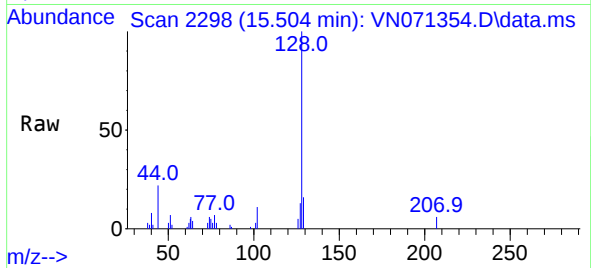




#91
Naphthalene
Concen: 1.708 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

Tgt Ion:128 Resp: 27102
Ion Ratio Lower Upper
128 100
127 10.9 10.7 16.1
129 12.8 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 2.877 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.441 min
Lab File: VN071354.D
Acq: 17 Mar 2022 15:58

Tgt Ion:180 Resp: 14961
Ion Ratio Lower Upper
180 100
182 92.7 0.0 190.0
145 31.5 0.0 67.8

