

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041723\
 Data File : VN077355.D
 Acq On : 17 Apr 2023 14:18
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 18 04:41:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

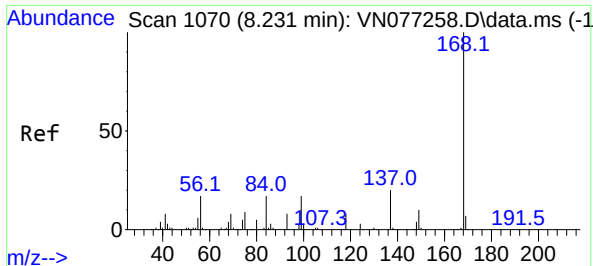
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	503151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	958071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	859476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	302951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	308323	44.836	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.680%		
35) Dibromofluoromethane	8.172	113	291999	47.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.220%		
50) Toluene-d8	10.572	98	1172329	47.481	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.960%		
62) 4-Bromofluorobenzene	12.854	95	349479	42.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.120%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.625	142	2583	0.371	ug/l #	70
15) Acrylonitrile	5.725	53	719	0.232	ug/l #	62
16) Acetone	4.448	43	4639	1.830	ug/l #	82
20) Methylene Chloride	5.278	84	3171	0.443	ug/l #	77
31) Cyclohexane	8.231	56	11704	1.095	ug/l #	9
36) 1,1-Dichloropropene	8.231	75	42483	4.683	ug/l #	49
38) Carbon Tetrachloride	8.236	117	52221	5.619	ug/l #	14
51) 4-Methyl-2-Pentanone	10.454	43	2339	0.270	ug/l #	75
59) 2-Hexanone	11.201	43	3823	0.593	ug/l	93
74) N-amyl acetate	12.501	43	2552	0.229	ug/l #	79
76) 1,2,3-Trichloropropane	12.854	75	185491	25.712	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	185491	57.861	ug/l #	13
87) 1,3-Dichlorobenzene	13.742	146	2489	0.225	ug/l	97
88) 1,4-Dichlorobenzene	13.742	146	2489	0.228	ug/l	99
89) n-Butylbenzene	14.066	91	4335	0.228	ug/l	95
91) 1,2-Dichlorobenzene	14.113	146	2269	0.205	ug/l	88
93) 1,2,4-Trichlorobenzene	15.371	180	2392	0.598	ug/l	95
94) Hexachlorobutadiene	15.465	225	478	0.207	ug/l #	26
95) Naphthalene	15.589	128	10075	0.671	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.759	180	3121	0.816	ug/l	94

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

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QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

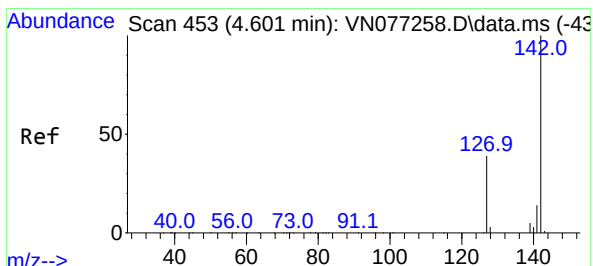
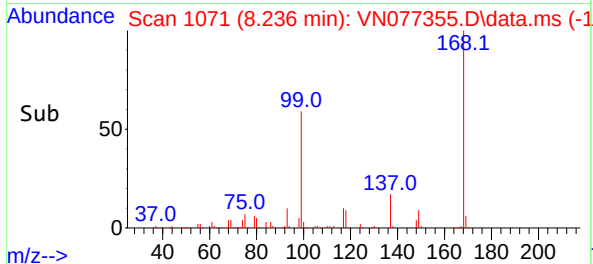
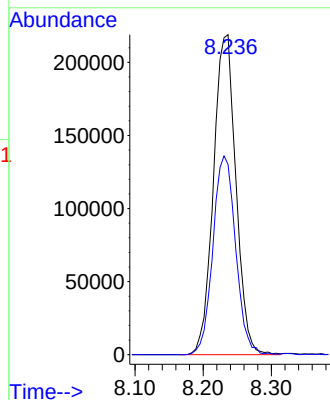
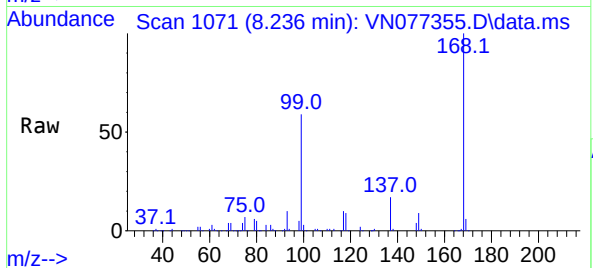




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

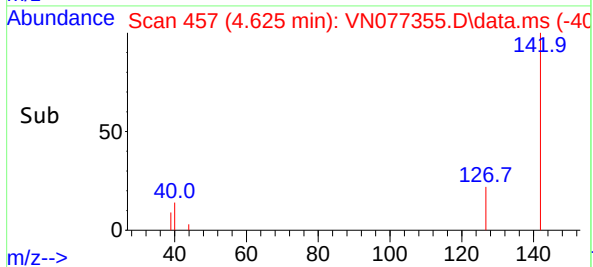
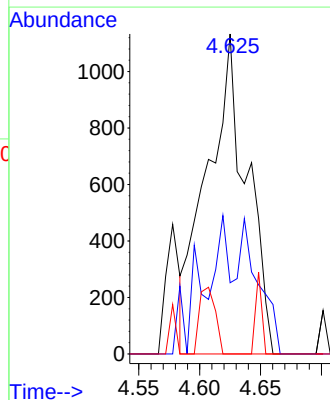
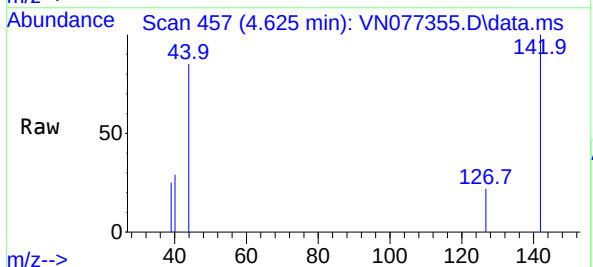
Instrument :
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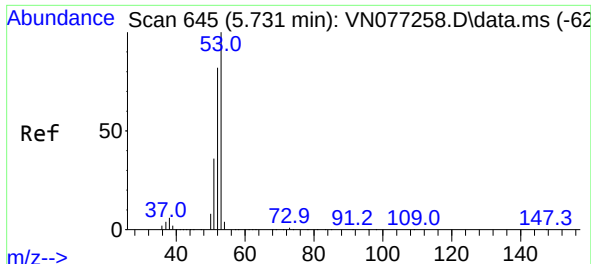
Tgt Ion:168 Resp: 503151
Ion Ratio Lower Upper
168 100
99 59.5 50.6 75.8



#10
Methyl Iodide
Concen: 0.371 ug/l
RT: 4.625 min Scan# 457
Delta R.T. 0.024 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion:142 Resp: 2583
Ion Ratio Lower Upper
142 100
127 22.2 31.5 47.3#
141 0.0 11.4 17.2#

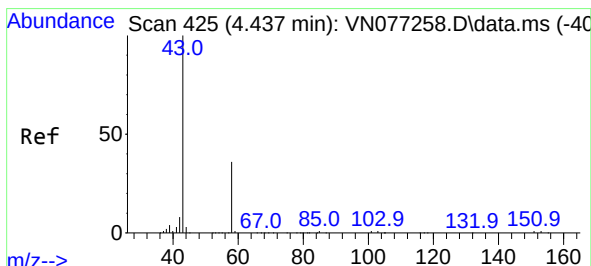
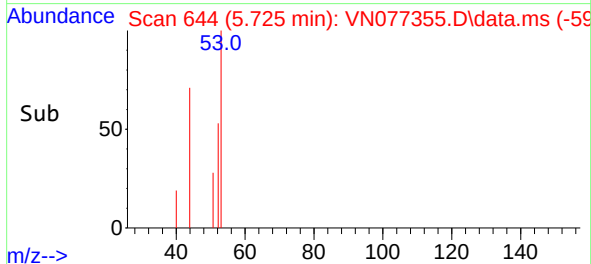
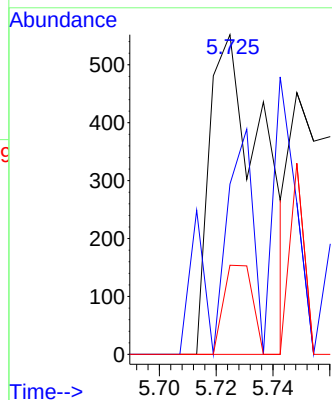
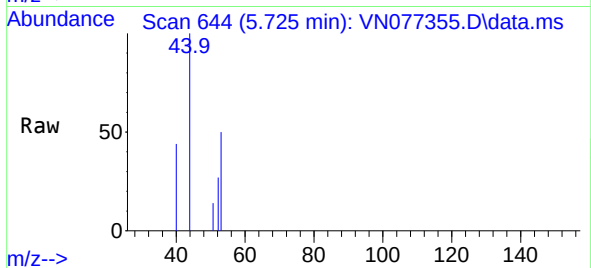




#15
Acrylonitrile
Concen: 0.232 ug/l
RT: 5.725 min Scan# 645
Delta R.T. -0.006 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

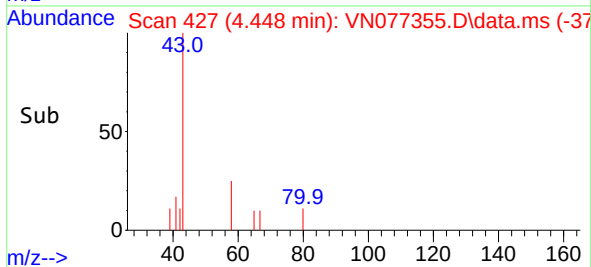
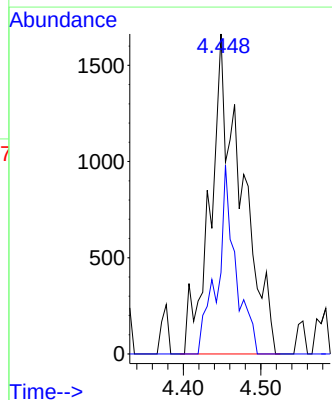
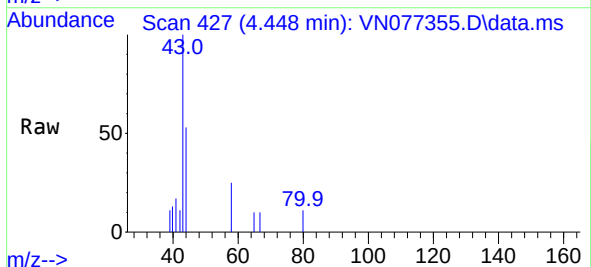
Instrument :
MSVOA_N
ClientSampleId :
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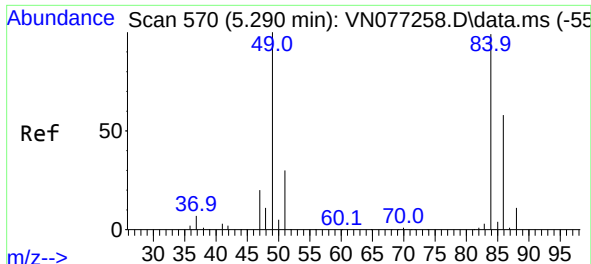
Tgt Ion: 53 Resp: 719
Ion Ratio Lower Upper
53 100
52 45.8 65.2 97.8#
51 15.0 28.1 42.1#



#16
Acetone
Concen: 1.830 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

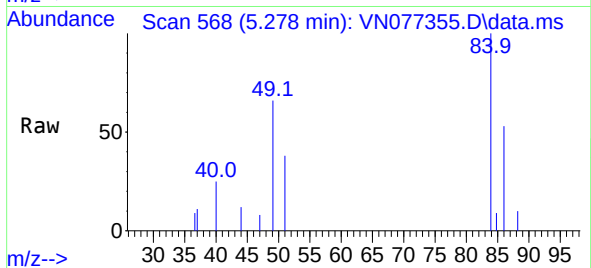
Tgt Ion: 43 Resp: 4639
Ion Ratio Lower Upper
43 100
58 25.4 29.0 43.6#





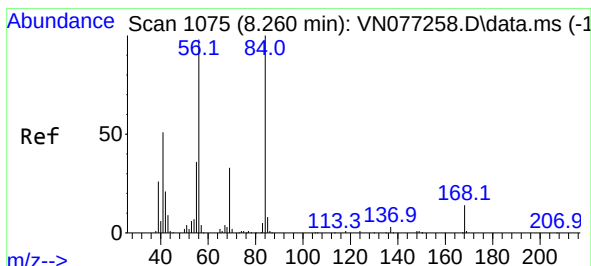
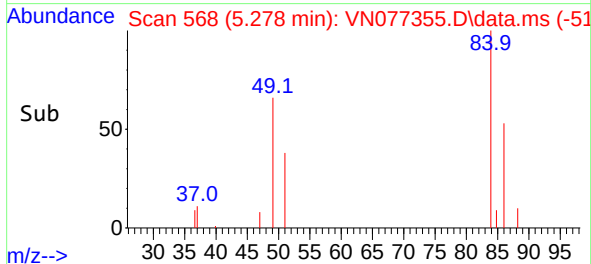
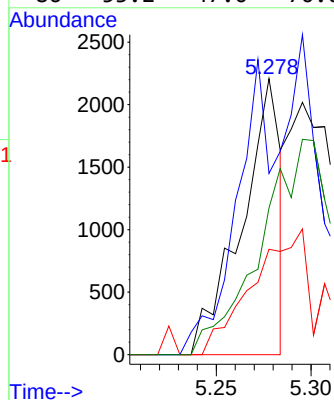
#20
Methylene Chloride
Concen: 0.443 ug/l
RT: 5.278 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 84 Resp: 3171

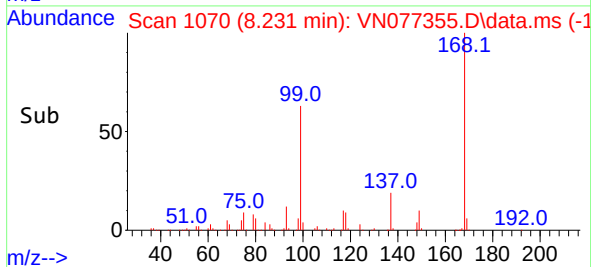
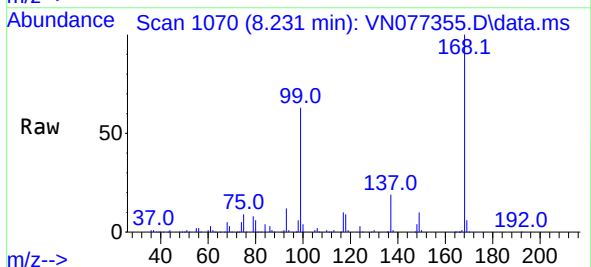
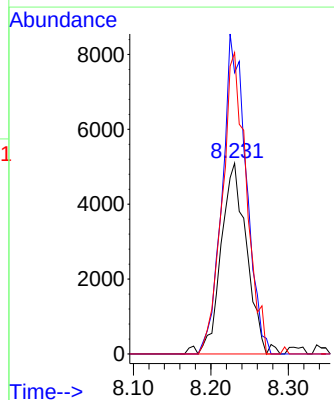
Ion	Ratio	Lower	Upper
84	100		
49	65.7	80.6	121.0#
51	38.2	24.4	36.6#
86	53.2	47.0	70.6

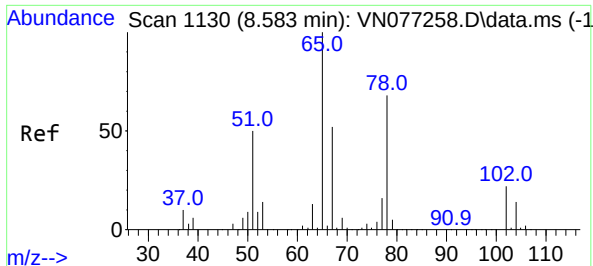


#31
Cyclohexane
Concen: 1.095 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 56 Resp: 11704

Ion	Ratio	Lower	Upper
56	100		
69	147.4	26.6	40.0#
84	157.9	81.8	122.8#

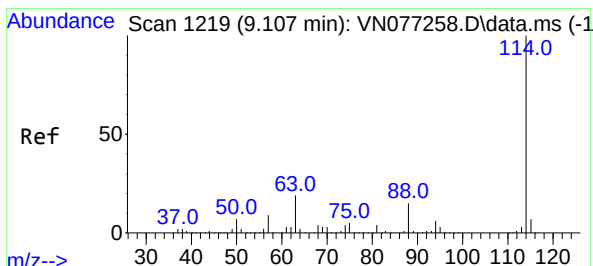
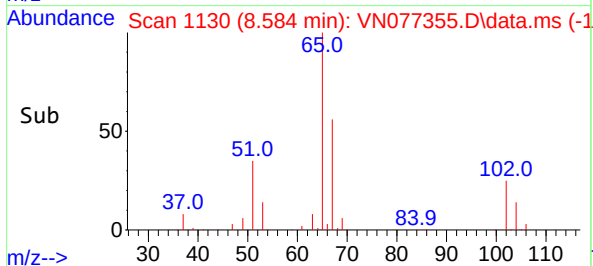
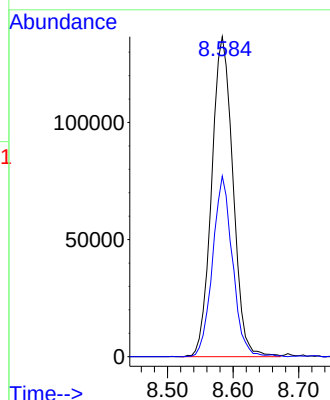
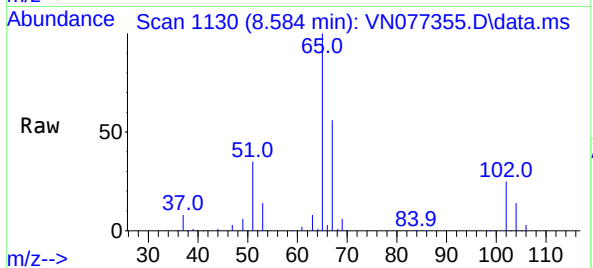




#33
1,2-Dichloroethane-d4
Concen: 44.836 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

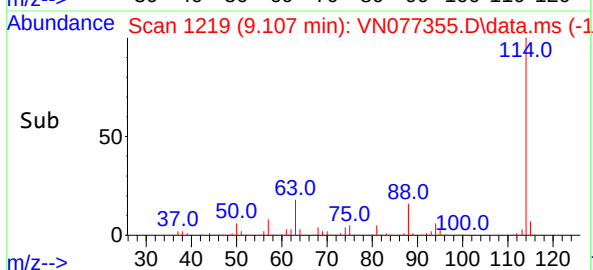
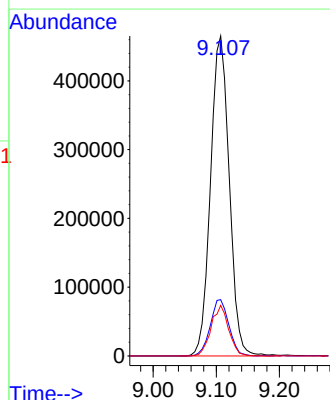
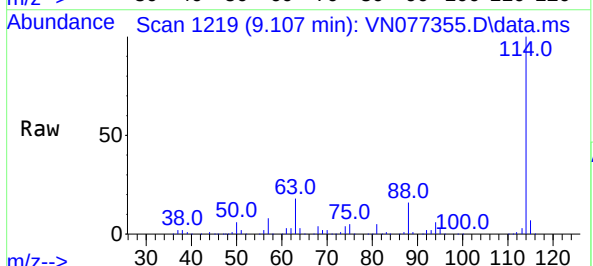
Instrument :
MSVOA_N
ClientSampleId :
IBLK

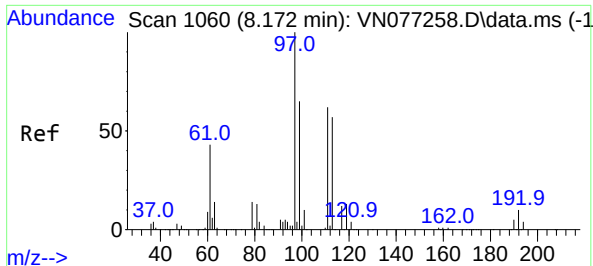
Tgt Ion: 65 Resp: 308323
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 114 Resp: 958071
Ion Ratio Lower Upper
114 100
63 17.6 0.0 37.8
88 15.8 0.0 29.4

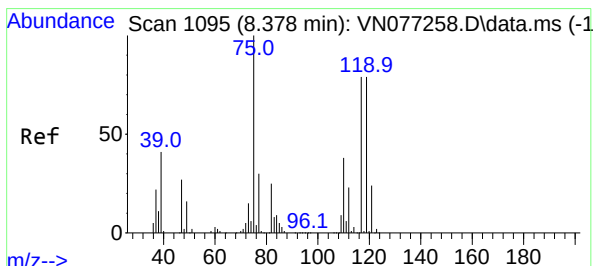
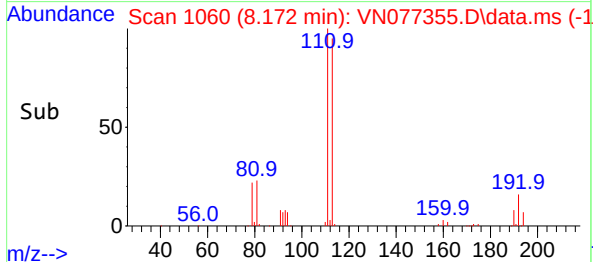
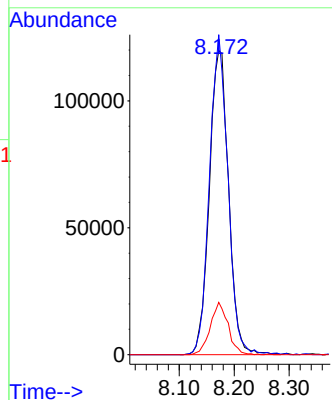
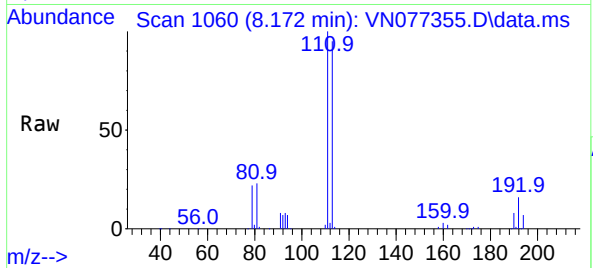




#35
Dibromofluoromethane
Concen: 47.609 ug/l
RT: 8.172 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

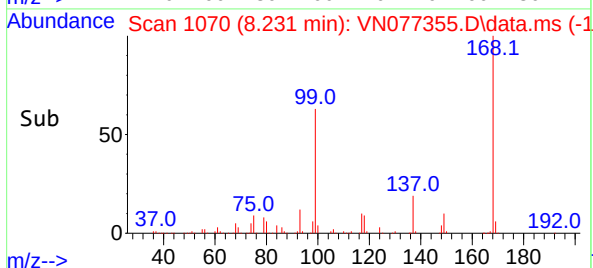
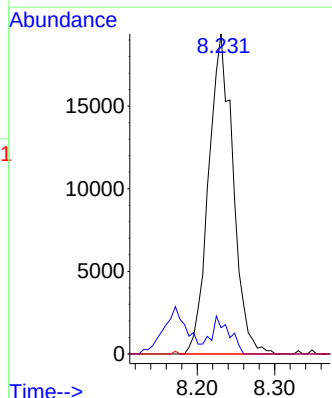
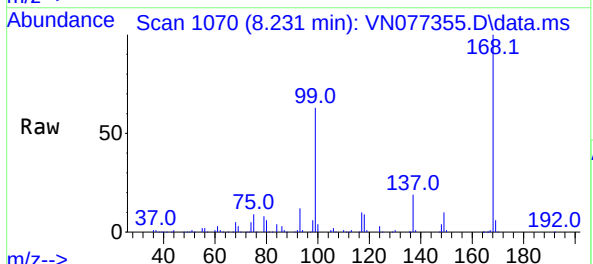
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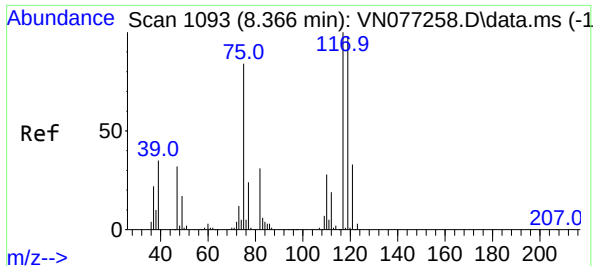
Tgt Ion:113 Resp: 291999
Ion Ratio Lower Upper
113 100
111 100.8 83.4 125.0
192 15.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 75 Resp: 42483
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 25.0 37.4#

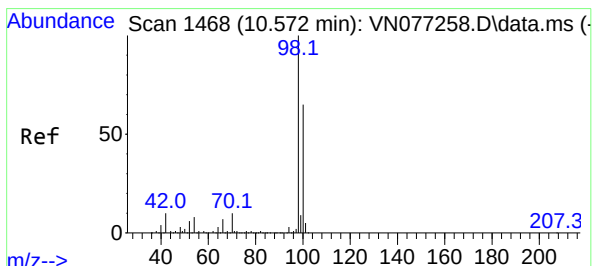
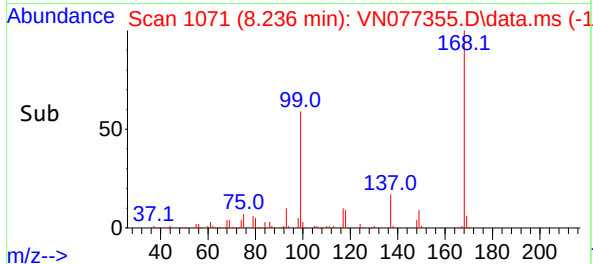
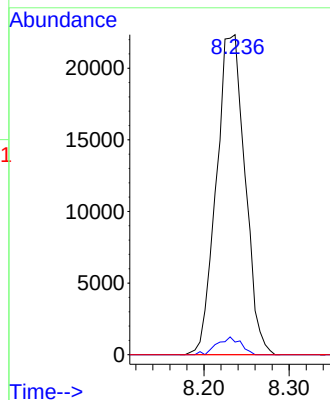
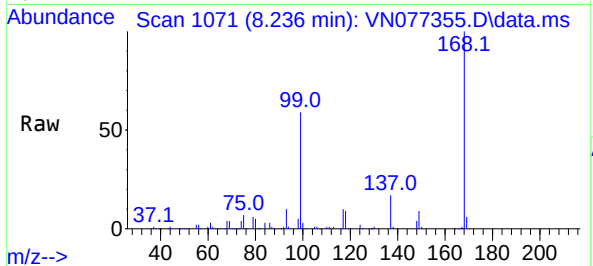




#38
Carbon Tetrachloride
Concen: 5.619 ug/l
RT: 8.236 min Scan# 1093
Delta R.T. -0.130 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

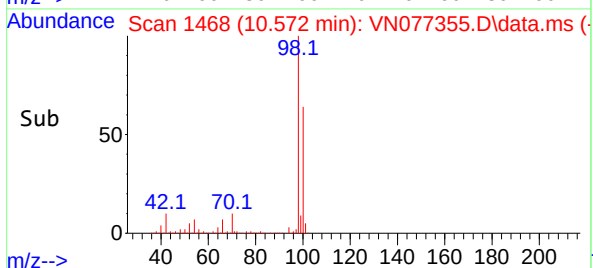
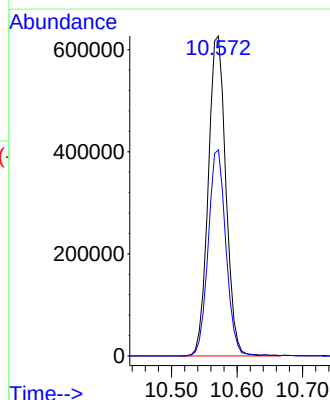
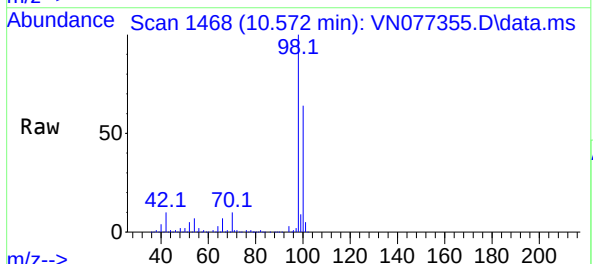
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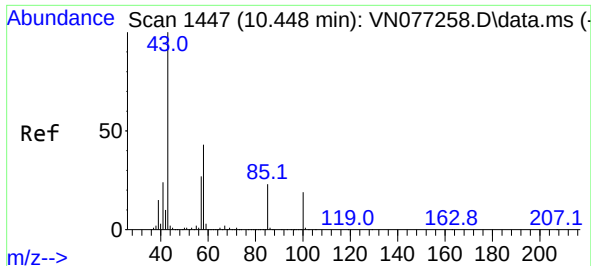
Tgt Ion:117 Resp: 52221
Ion Ratio Lower Upper
117 100
119 3.9 78.5 117.7#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 47.481 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 98 Resp: 1172329
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9

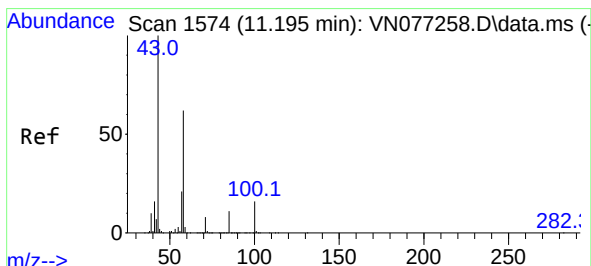
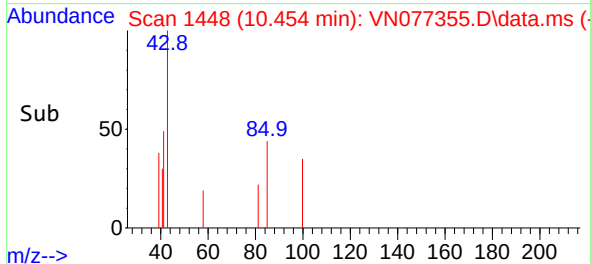
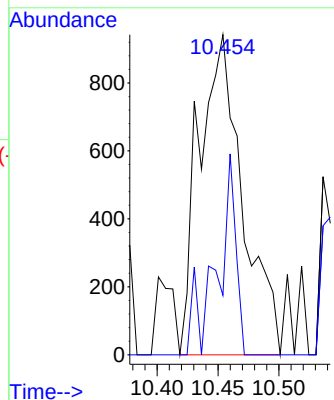
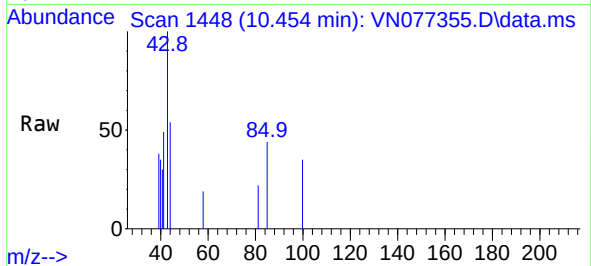




#51
4-Methyl-2-Pentanone
Concen: 0.270 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

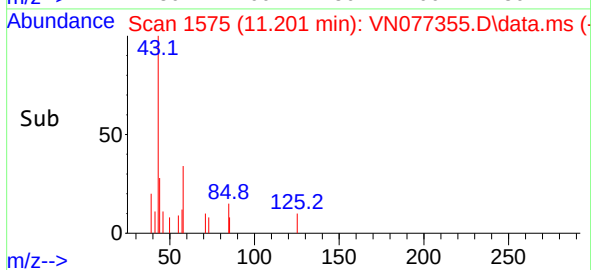
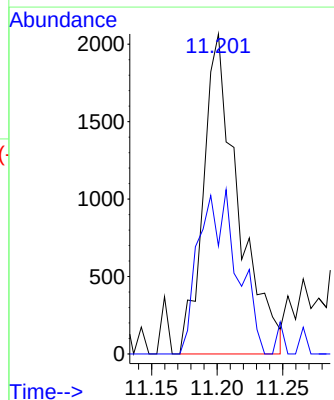
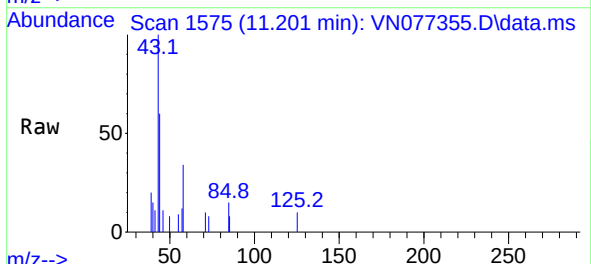
Instrument :
MSVOA_N
ClientSampleId :
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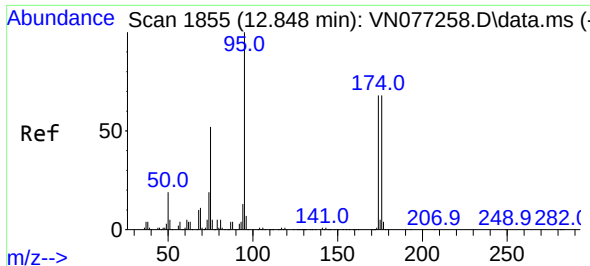
Tgt Ion: 43 Resp: 2339
Ion Ratio Lower Upper
43 100
58 27.2 34.6 52.0#



#59
2-Hexanone
Concen: 0.593 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 43 Resp: 3823
Ion Ratio Lower Upper
43 100
58 56.2 30.9 92.5

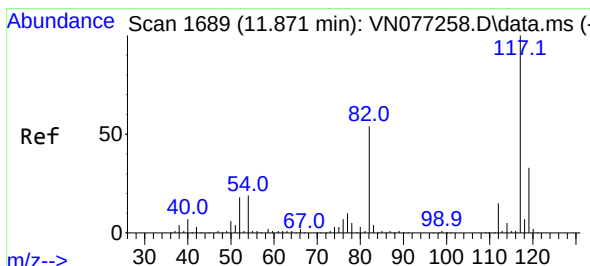
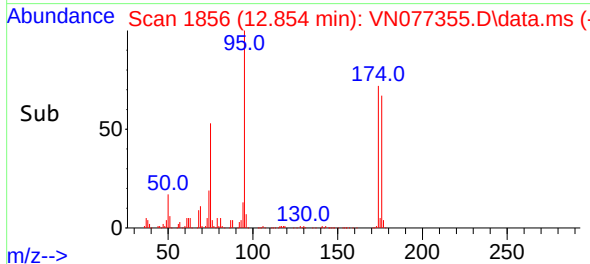
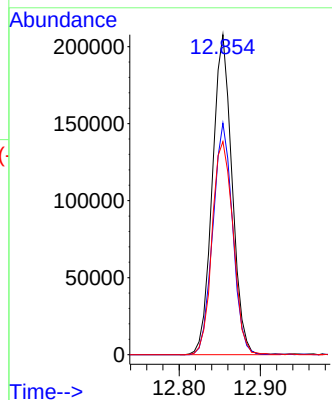
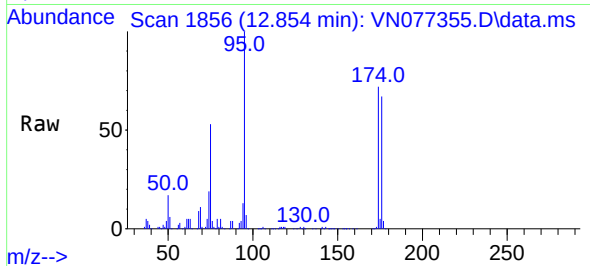




#62
4-Bromofluorobenzene
Concen: 42.558 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

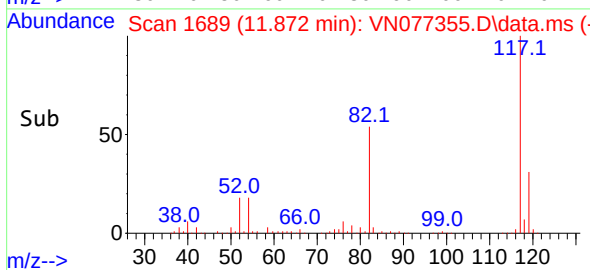
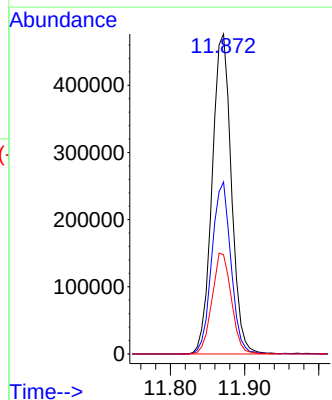
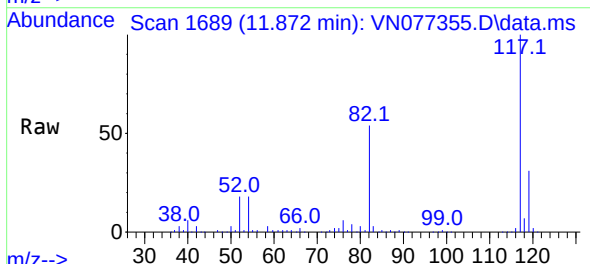
Instrument :
MSVOA_N
ClientSampleId :
IBLK

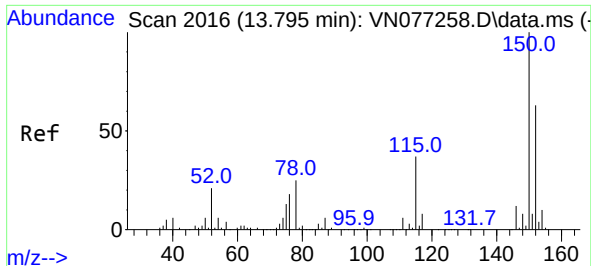
Tgt Ion: 95 Resp: 349479
Ion Ratio Lower Upper
95 100
174 72.5 0.0 146.8
176 71.0 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.001 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 117 Resp: 859476
Ion Ratio Lower Upper
117 100
82 53.8 42.9 64.3
119 31.0 26.2 39.4

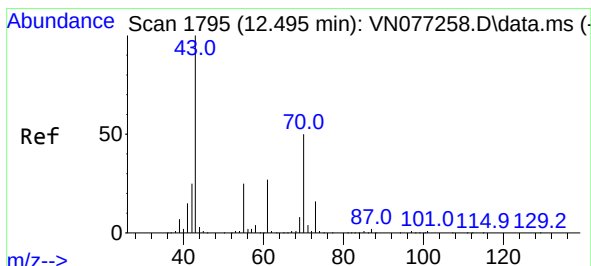
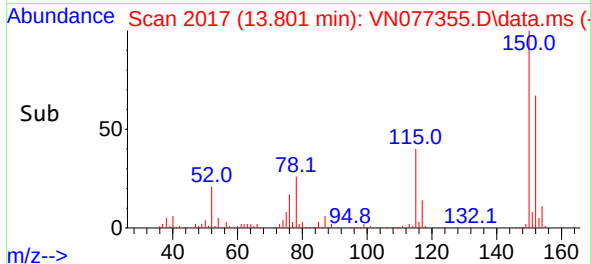
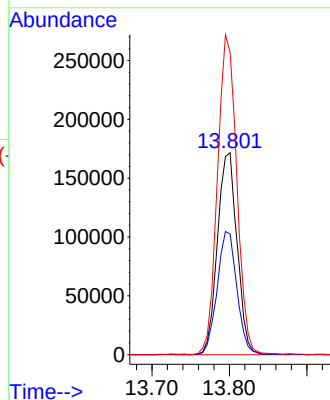
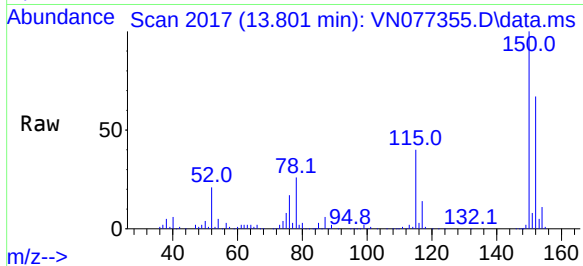




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

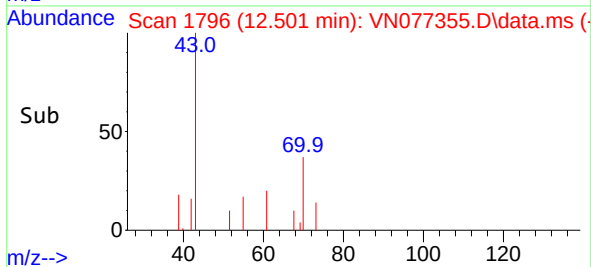
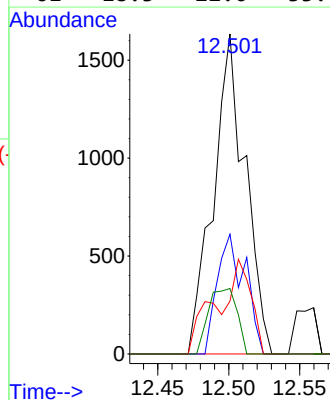
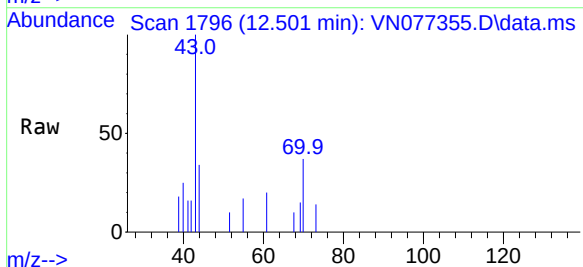
Instrument :
MSVOA_N
ClientSampleId :
IBLK

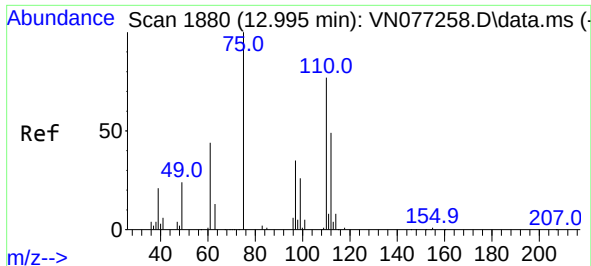
Tgt Ion:152 Resp: 302951
Ion Ratio Lower Upper
152 100
115 61.3 32.1 96.3
150 155.7 0.0 354.8



#74
N-amy1 acetate
Concen: 0.229 ug/l
RT: 12.501 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 43 Resp: 2552
Ion Ratio Lower Upper
43 100
70 32.8 41.0 61.6#
55 31.5 19.3 28.9#
61 18.3 22.0 33.0#

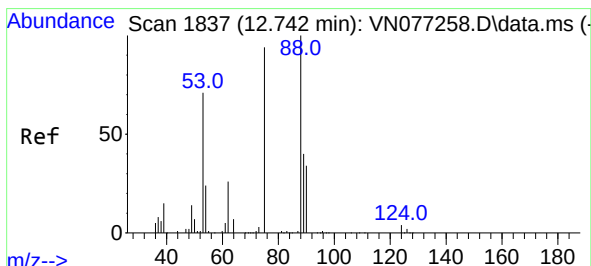
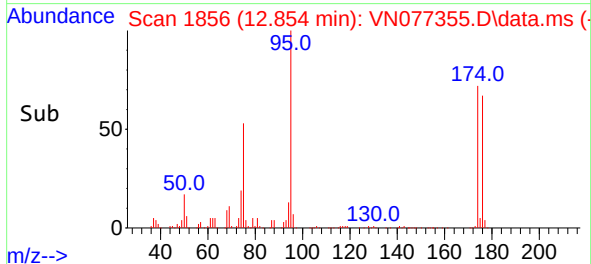
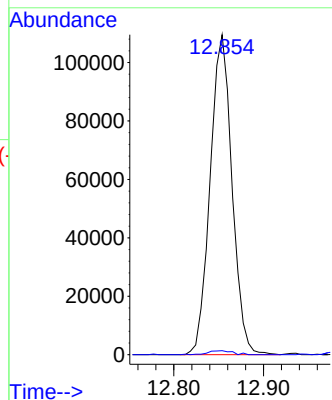
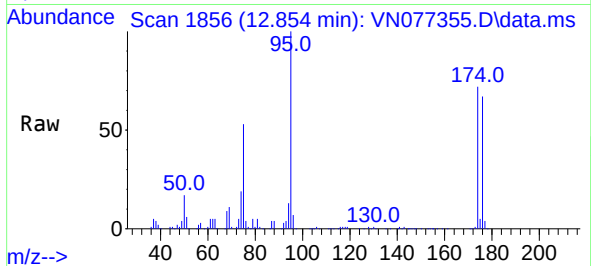




#76
1,2,3-Trichloropropane
Concen: 25.712 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

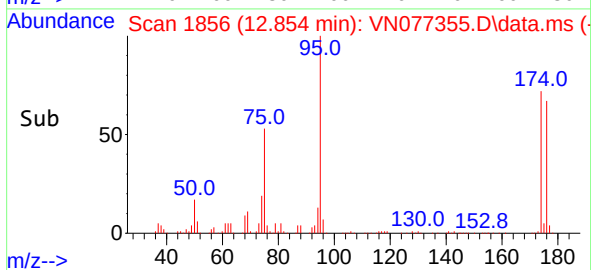
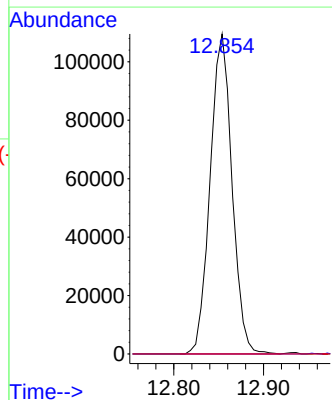
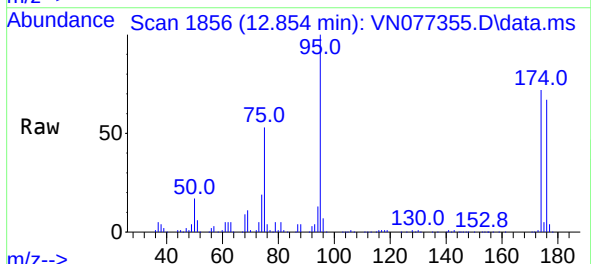
Instrument :
MSVOA_N
ClientSampleId :
IBLK

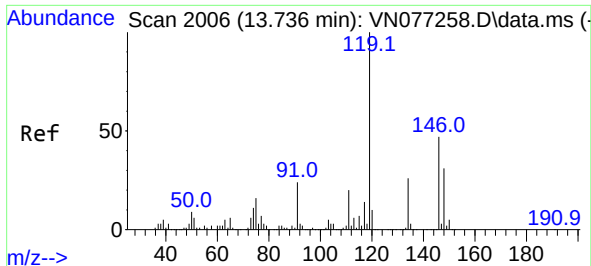
Tgt Ion: 75 Resp: 185491
Ion Ratio Lower Upper
75 100
77 1.4 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.861 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 75 Resp: 185491
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#





#87

1,3-Dichlorobenzene

Concen: 0.225 ug/l

RT: 13.742 min Scan# 2007

Delta R.T. 0.006 min

Lab File: VN077355.D

Acq: 17 Apr 2023 14:18

Instrument :

MSVOA_N

ClientSampleId :

IBLK

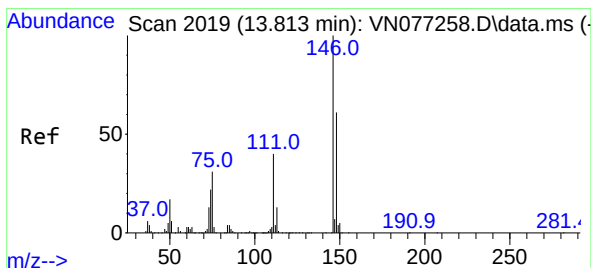
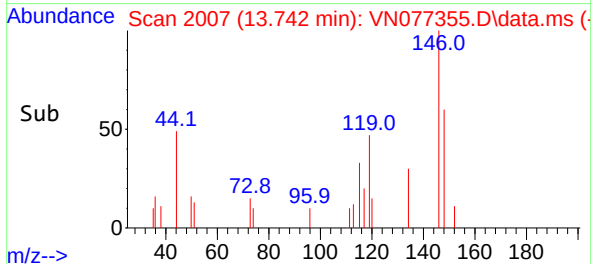
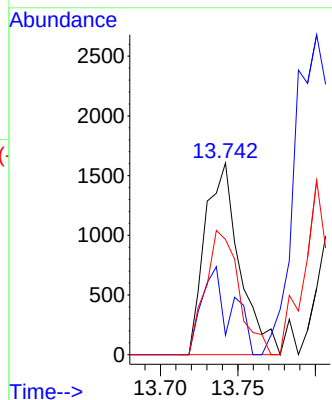
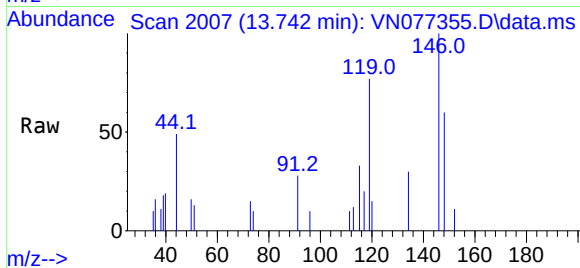
Tgt Ion:146 Resp: 2489

Ion Ratio Lower Upper

146 100

111 39.1 21.8 65.4

148 62.8 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.228 ug/l

RT: 13.742 min Scan# 2007

Delta R.T. -0.071 min

Lab File: VN077355.D

Acq: 17 Apr 2023 14:18

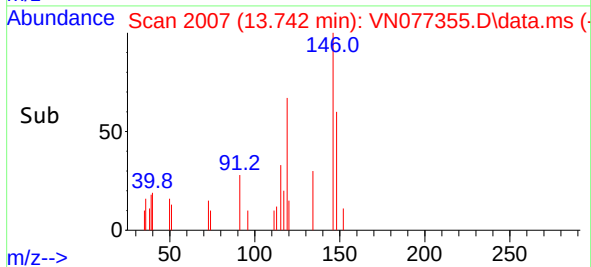
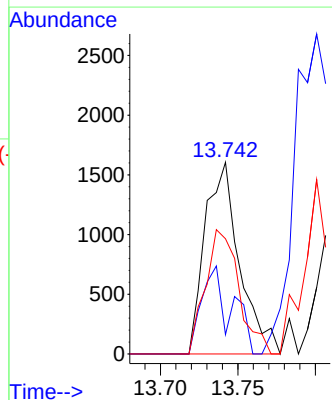
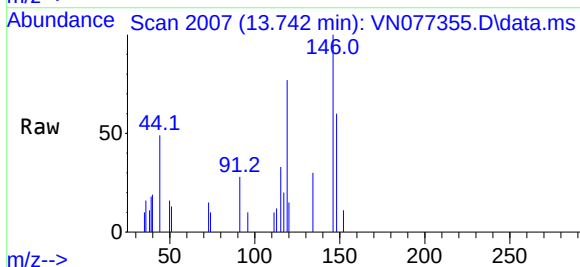
Tgt Ion:146 Resp: 2489

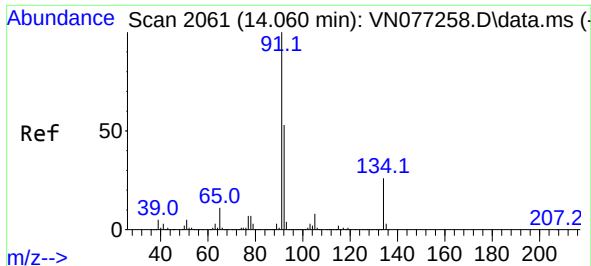
Ion Ratio Lower Upper

146 100

111 39.1 20.4 61.2

148 62.8 31.6 95.0

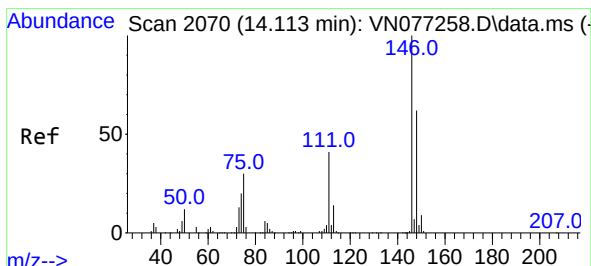
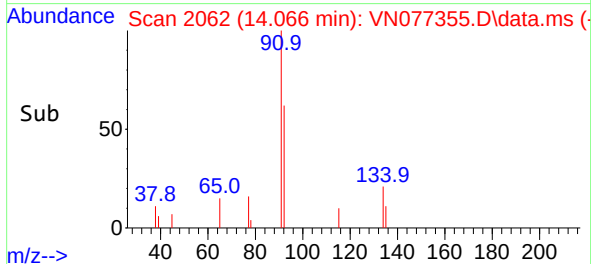
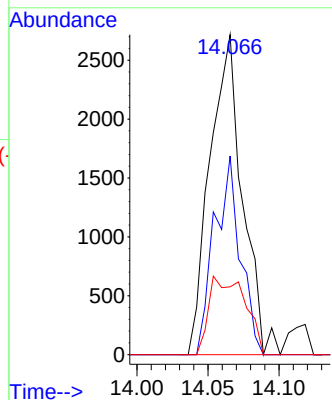
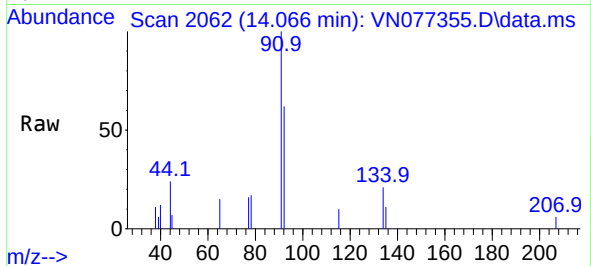




#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 14.066 min Scan# 2061
Delta R.T. 0.005 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

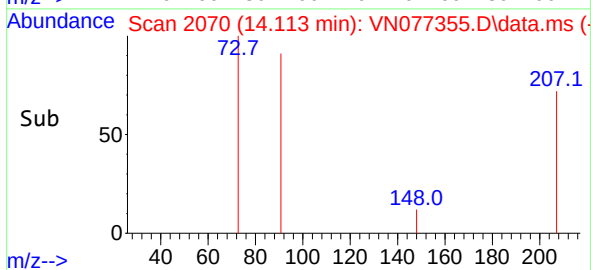
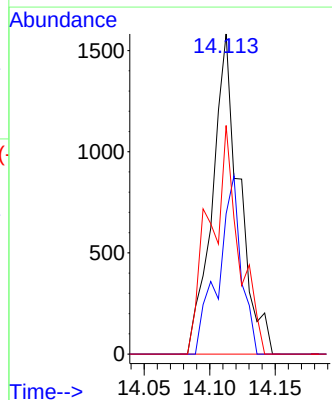
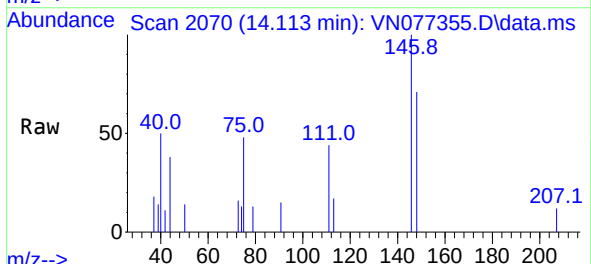
Instrument :
MSVOA_N
ClientSampleId :
IBLK

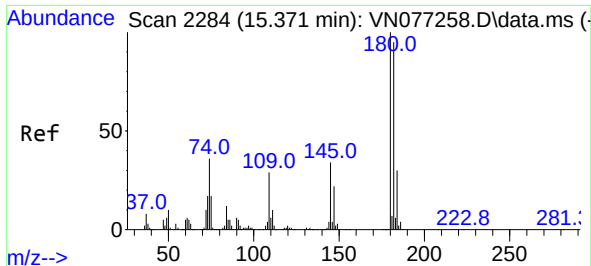
Tgt Ion: 91	Resp:	4335
Ion Ratio	Lower	Upper
91	100	
92	49.1	26.7 80.0
134	27.1	12.8 38.3



#91
1,2-Dichlorobenzene
Concen: 0.205 ug/l
RT: 14.113 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion: 146	Resp:	2269
Ion Ratio	Lower	Upper
146	100	
111	47.2	21.9 65.5
148	76.2	31.9 95.5

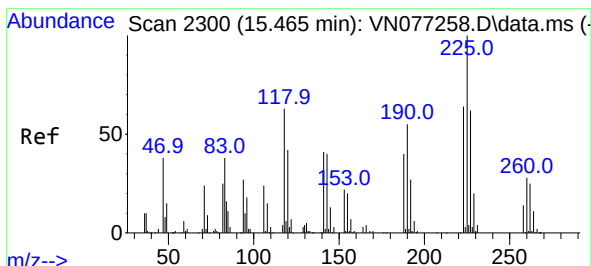
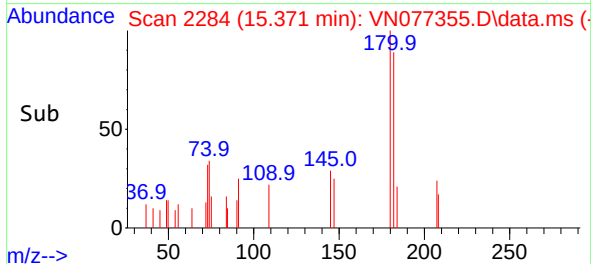
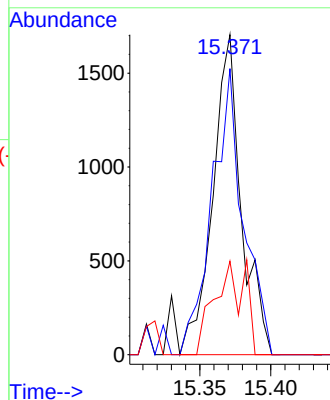
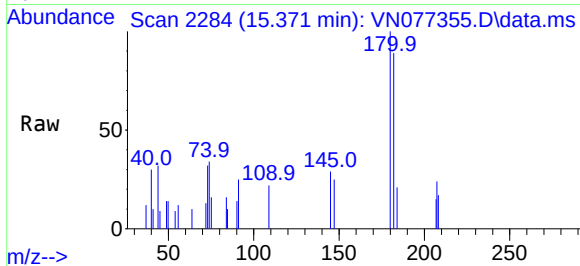




#93
1,2,4-Trichlorobenzene
Concen: 0.598 ug/l
RT: 15.371 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

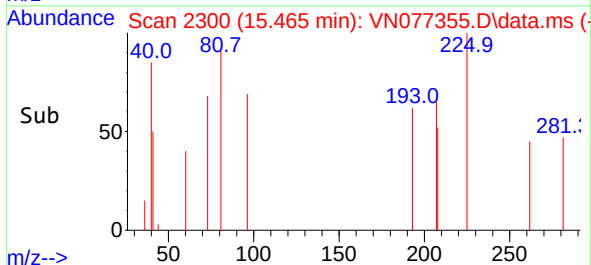
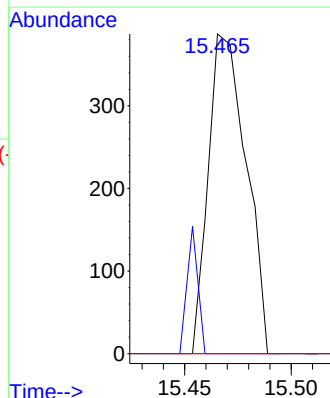
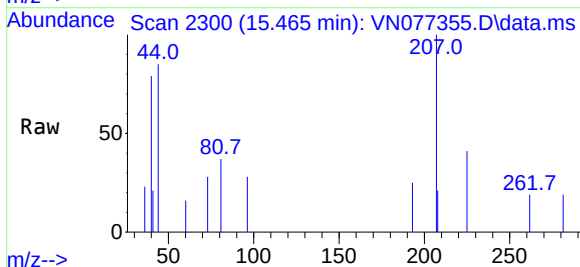
Instrument :
MSVOA_N
ClientSampleId :
IBLK

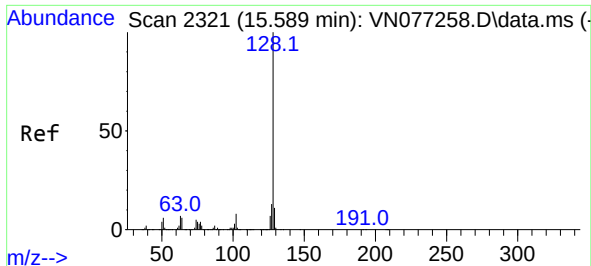
Tgt Ion:	180	Resp:	2392
Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.7	140.0
145	30.6	16.6	49.8



#94
Hexachlorobutadiene
Concen: 0.207 ug/l
RT: 15.465 min Scan# 2300
Delta R.T. 0.000 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion:	225	Resp:	478
Ion	Ratio	Lower	Upper
225	100		
223	11.3	31.7	95.1#
227	0.0	31.2	93.6#

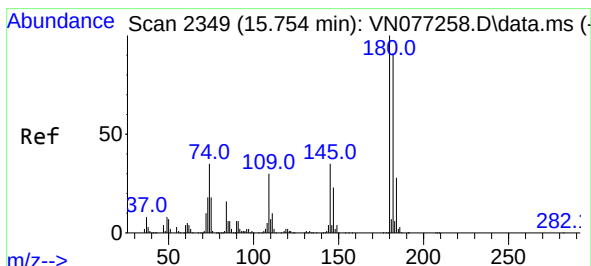
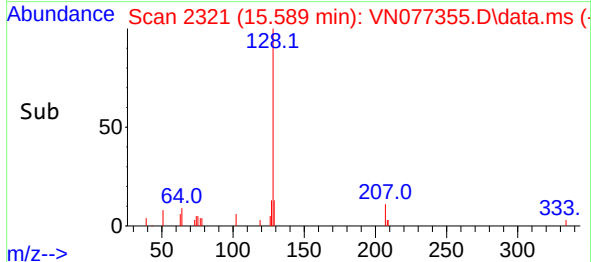
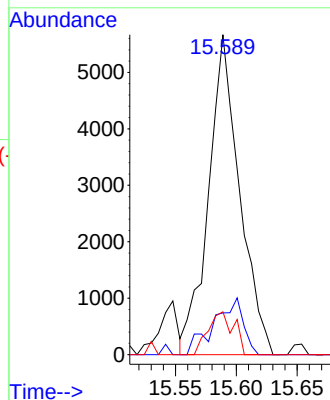
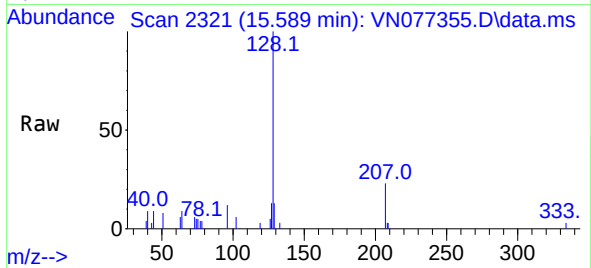




#95
Naphthalene
Concen: 0.671 ug/l
RT: 15.589 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	10075
Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.2	15.4#
129	11.1	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 0.816 ug/l
RT: 15.759 min Scan# 2350
Delta R.T. 0.005 min
Lab File: VN077355.D
Acq: 17 Apr 2023 14:18

Tgt Ion:	180	Resp:	3121
Ion	Ratio	Lower	Upper
180	100		
182	87.2	46.9	140.8
145	33.0	17.6	52.8

