

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031122\
 Data File : VN071241.D
 Acq On : 11 Mar 2022 10:29
 Operator : JC\MD
 Sample : VN0311MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 02:15:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

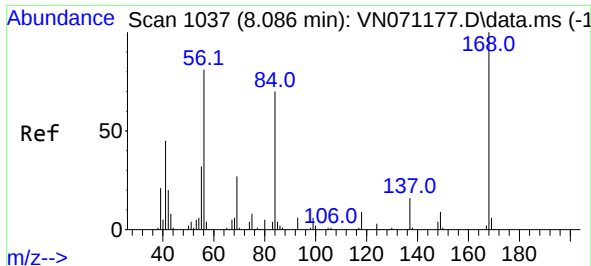
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	706315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1176186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1057095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	353610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	460769	47.599	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.200%		
35) Dibromofluoromethane	8.016	113	349978	47.153	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.300%		
50) Toluene-d8	10.439	98	1416852	47.412	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.820%		
62) 4-Bromofluorobenzene	12.727	95	437322	43.216	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.440%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2917	0.246	ug/l #	80
5) Bromomethane	2.863	94	723	Below Cal	#	58
13) Acrolein	4.046	56	628	0.312	ug/l #	72
16) Acetone	4.299	43	8134	1.727	ug/l #	84
18) Methyl Acetate	4.857	43	23947	2.345	ug/l	98
20) Methylene Chloride	5.093	84	2815	0.706	ug/l #	91
25) 2-Butanone	7.345	43	1858	0.245	ug/l #	48
29) Tetrahydrofuran	7.698	42	1323	0.252	ug/l #	63
31) Cyclohexane	8.081	56	14643	0.947	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	54862	4.613	ug/l #	49
38) Carbon Tetrachloride	8.087	117	69610	6.052	ug/l #	15
43) Isopropyl Acetate	8.622	43	79613	3.253	ug/l #	56
49) 1,4-Dioxane	9.557	88	67	0.340	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	3981	0.262	ug/l #	77
59) 2-Hexanone	11.086	43	7285	0.703	ug/l	89
74) N-amyl acetate	12.386	43	3499	0.273	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.827	83	873	Below Cal	#	83
76) 1,2,3-Trichloropropane	12.727	75	224963	24.828	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	224963	68.772	ug/l #	5
89) n-Butylbenzene	13.933	91	4232	0.219	ug/l	95
91) 1,2-Dichlorobenzene	13.980	146	2527	0.204	ug/l	86
93) 1,2,4-Trichlorobenzene	15.263	180	2484	3.392	ug/l	96
95) Naphthalene	15.498	128	8087	5.516	ug/l	97
96) 1,2,3-Trichlorobenzene	15.692	180	3783	3.376	ug/l	90

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

Quant Time: Mar 12 02:15:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

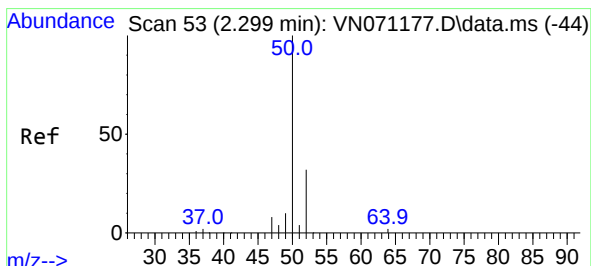
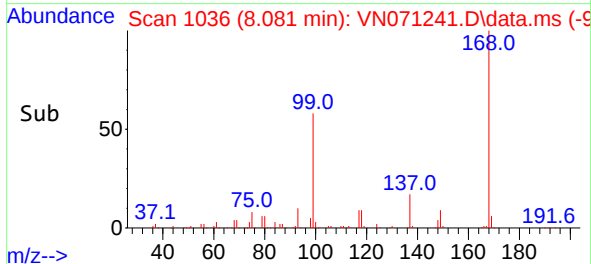
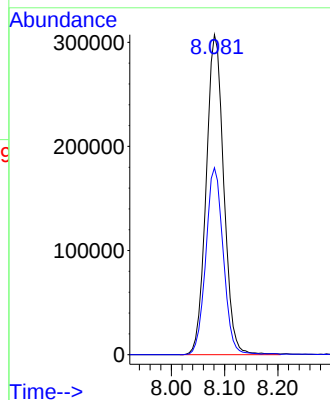
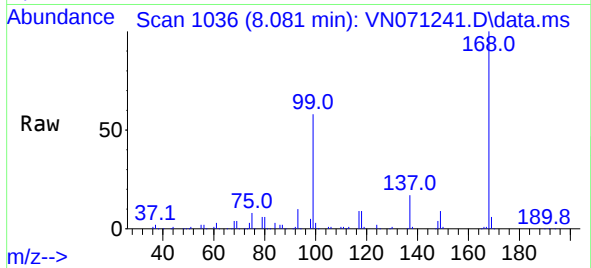




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

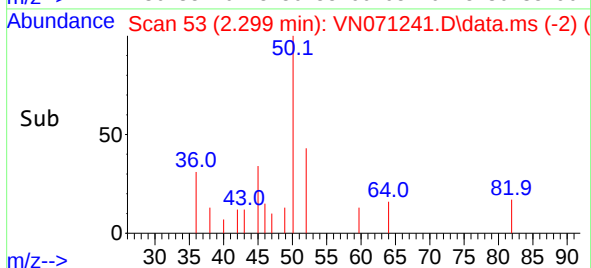
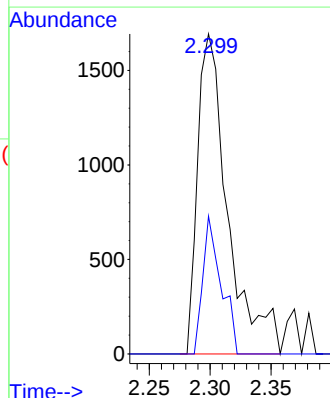
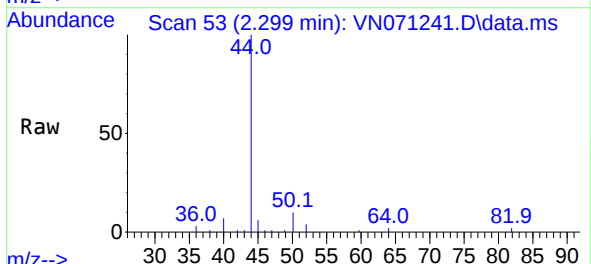
Instrument :
MSVOA_N
ClientSampleId :

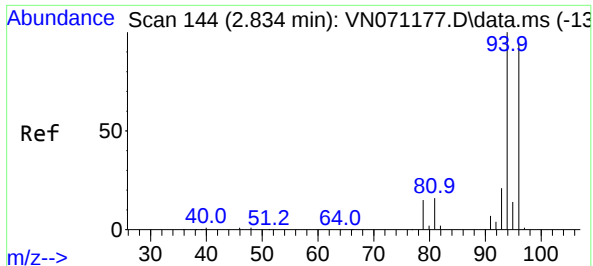
Tgt Ion:168 Resp: 706315
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 50 Resp: 2917
Ion Ratio Lower Upper
50 100
52 43.1 25.4 38.0#

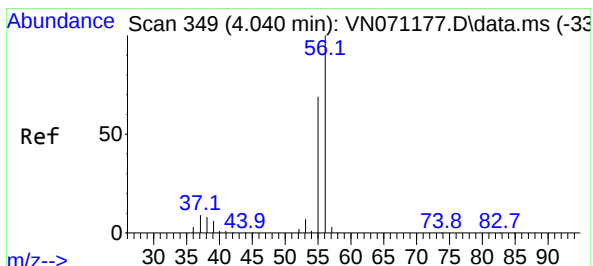
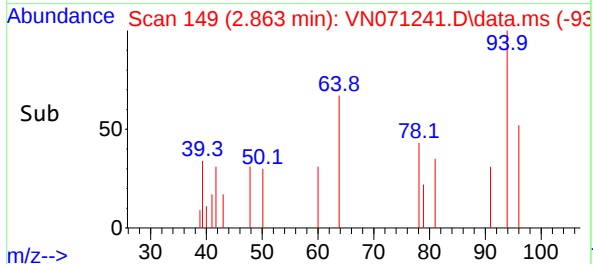
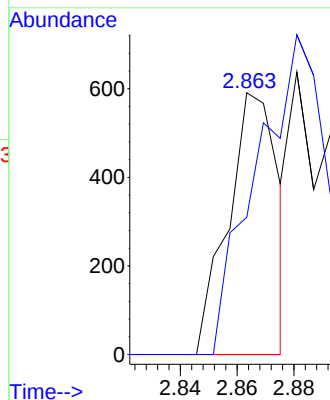
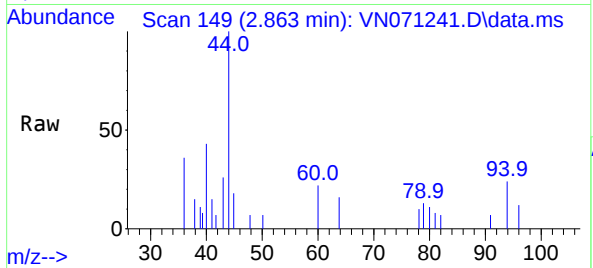




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 14
Delta R.T. 0.029 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

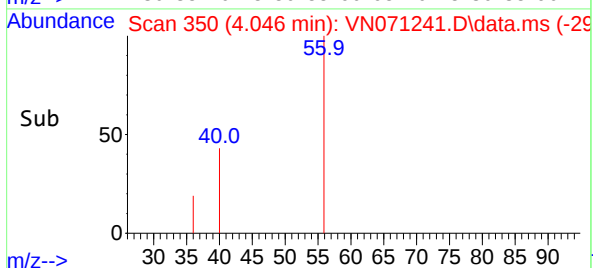
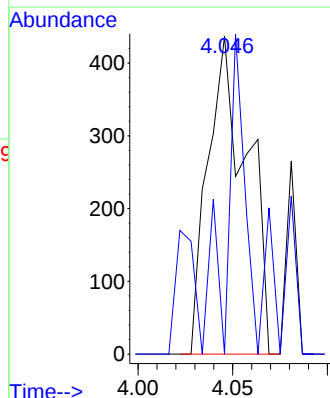
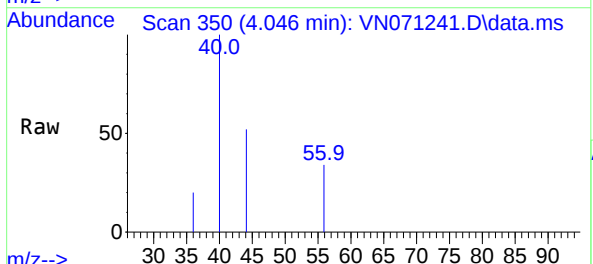
Instrument :
MSVOA_N
ClientSampleId :

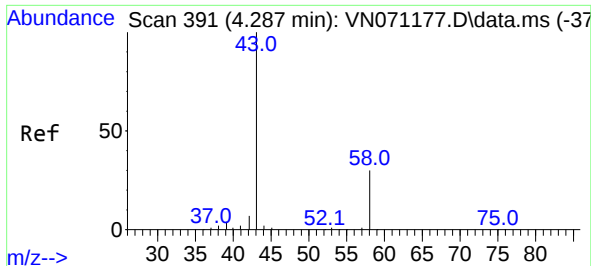
Tgt Ion: 94 Resp: 723
Ion Ratio Lower Upper
94 100
96 52.5 73.8 110.8#



#13
Acrolein
Concen: 0.312 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 56 Resp: 628
Ion Ratio Lower Upper
56 100
55 47.3 56.6 85.0#

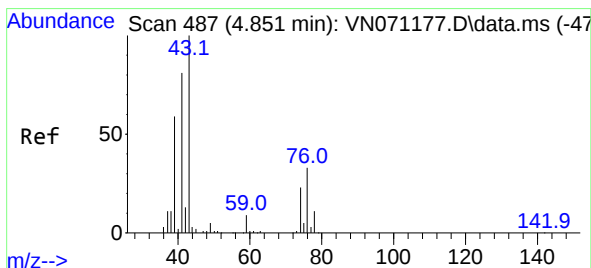
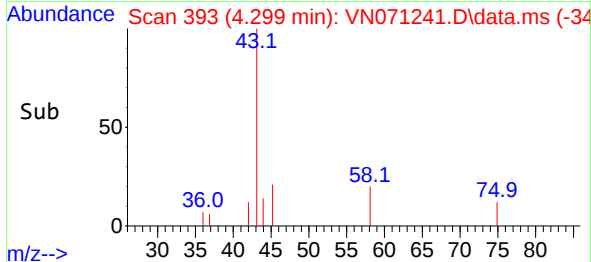
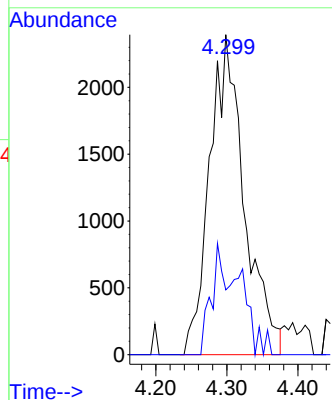
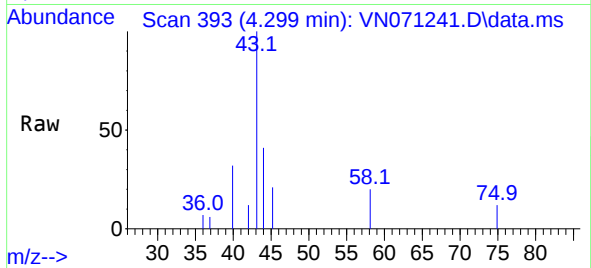




#16
Acetone
Concen: 1.727 ug/l
RT: 4.299 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

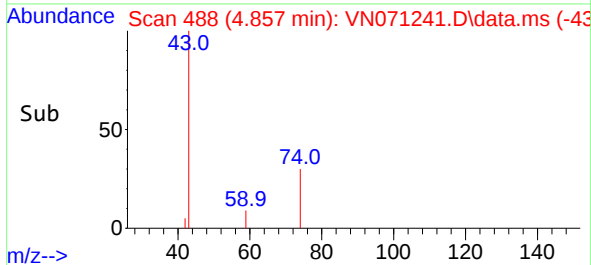
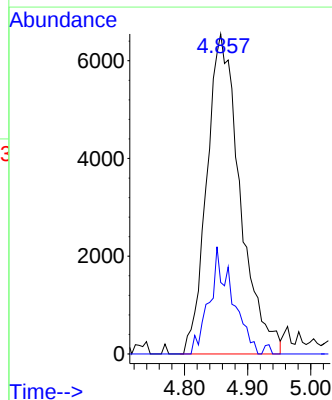
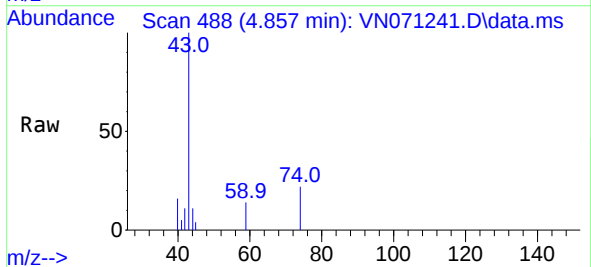
Instrument :
MSVOA_N
ClientSampleId :

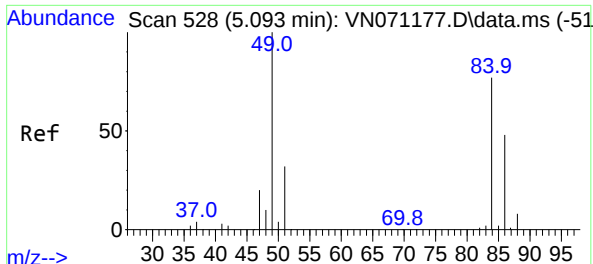
Tgt Ion: 43 Resp: 8134
Ion Ratio Lower Upper
43 100
58 20.3 23.1 34.7#



#18
Methyl Acetate
Concen: 2.345 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

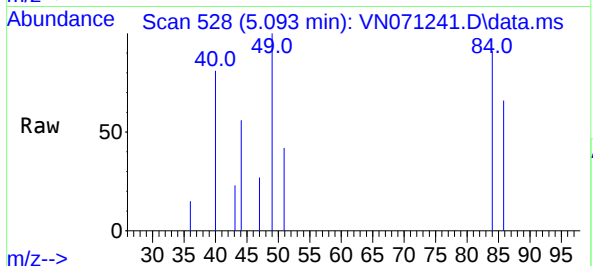
Tgt Ion: 43 Resp: 23947
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2





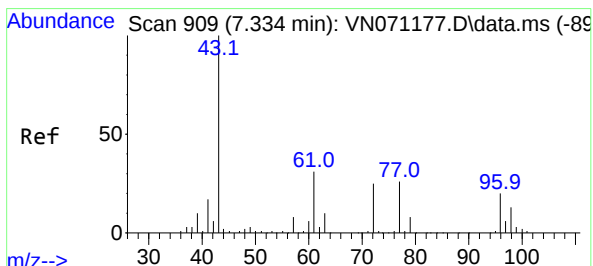
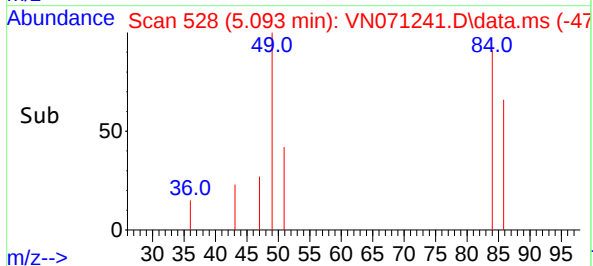
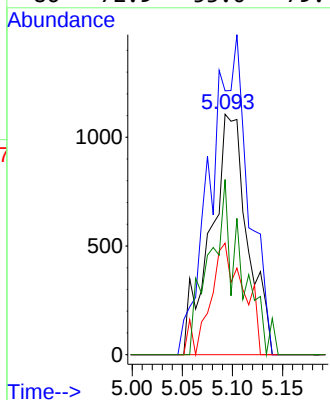
#20
Methylene Chloride
Concen: 0.706 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2815

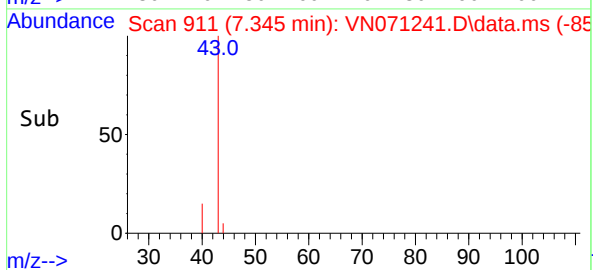
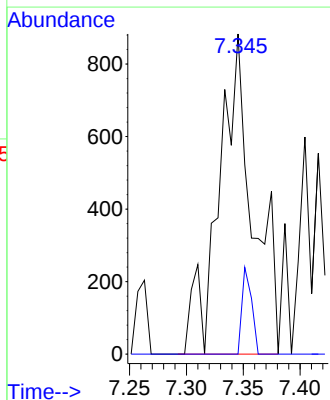
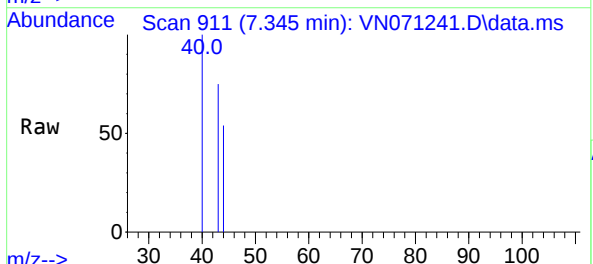
Ion	Ratio	Lower	Upper
84	100		
49	109.8	93.5	140.3
51	46.4	29.4	44.2#
86	72.9	53.0	79.4

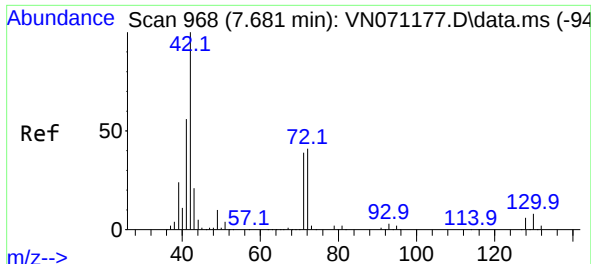


#25
2-Butanone
Concen: 0.245 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 43 Resp: 1858

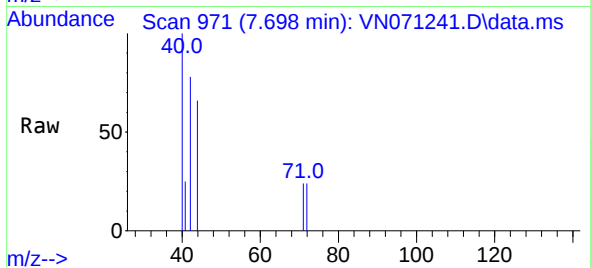
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#



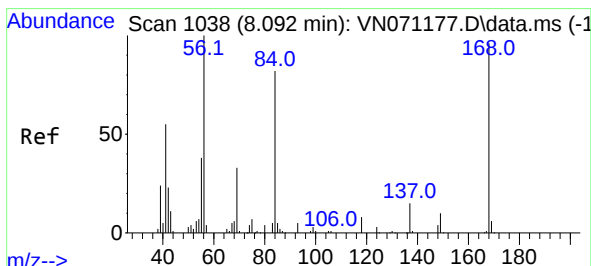
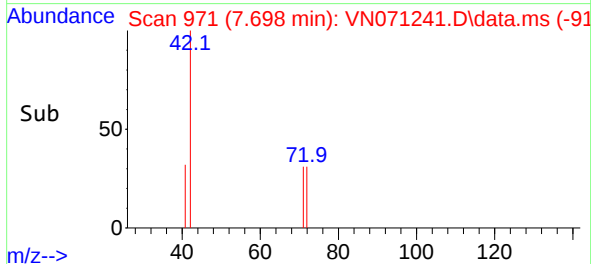
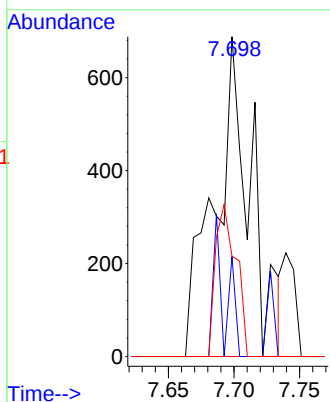


#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 7.698 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Instrument :
MSVOA_N
ClientSampleId :

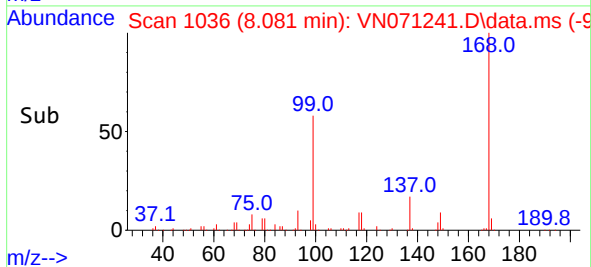
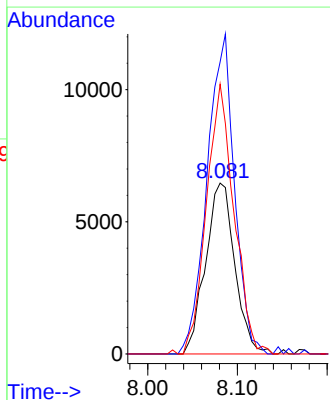
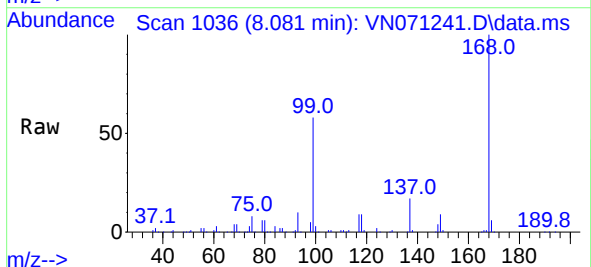


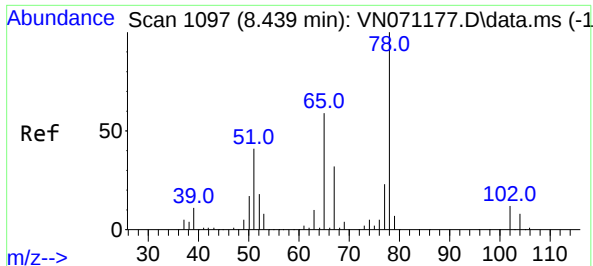
Tgt Ion: 42 Resp: 1323
Ion Ratio Lower Upper
42 100
72 13.9 36.3 54.5#
71 26.8 34.7 52.1#



#31
Cyclohexane
Concen: 0.947 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 56 Resp: 14643
Ion Ratio Lower Upper
56 100
69 170.9 27.1 40.7#
84 157.9 73.4 110.0#

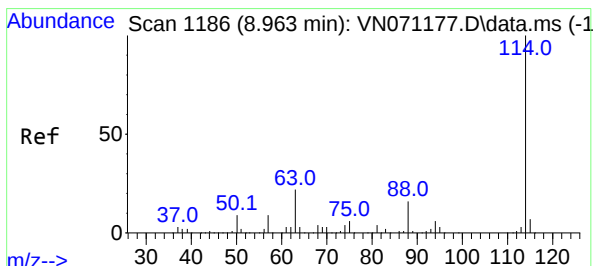
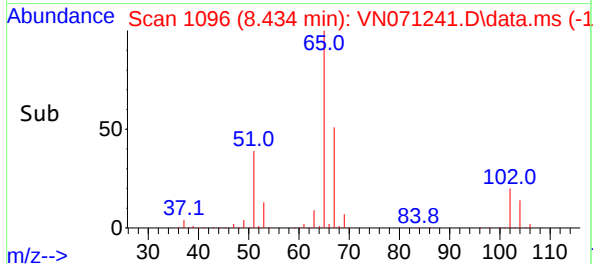
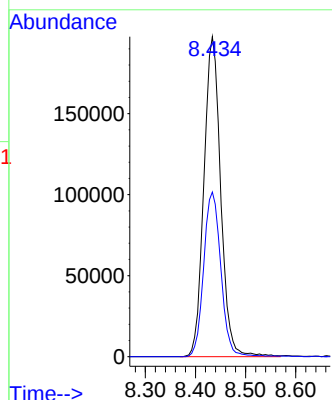
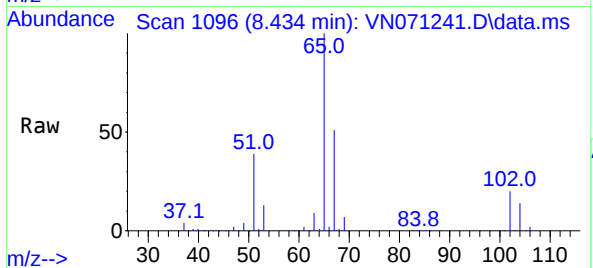




#33
1,2-Dichloroethane-d4
Concen: 47.599 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

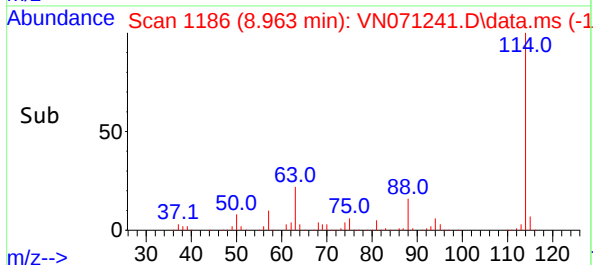
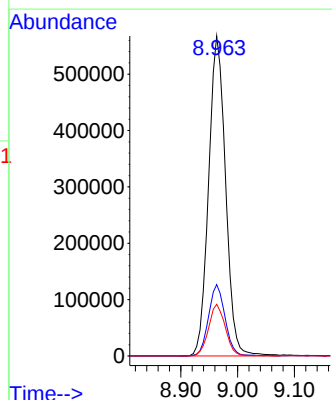
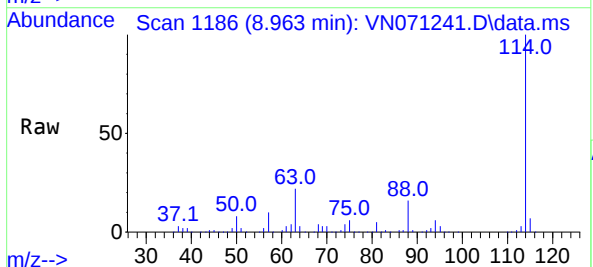
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ClientSampleId :

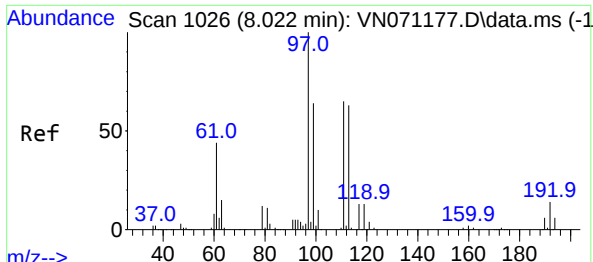
Tgt Ion: 65 Resp: 460769
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

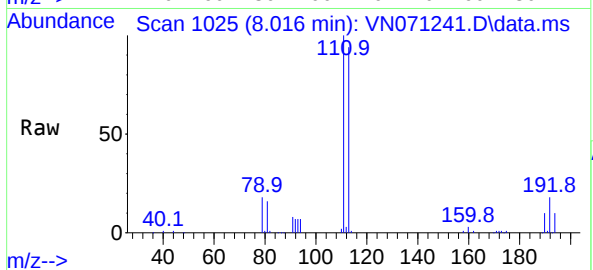
Tgt Ion:114 Resp: 1176186
Ion Ratio Lower Upper
114 100
63 22.3 0.0 37.8
88 16.1 0.0 27.4



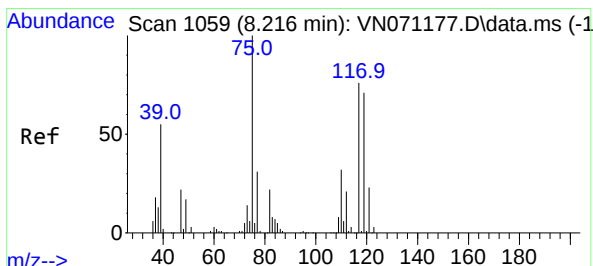
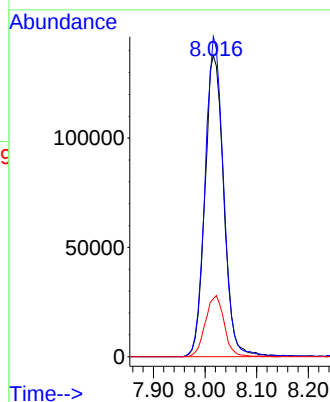
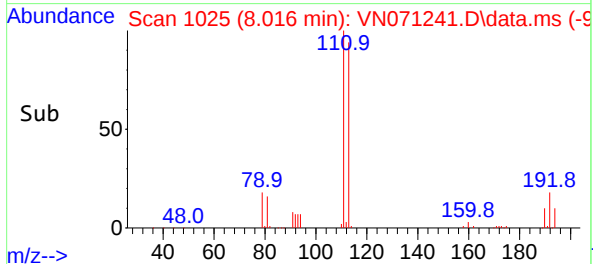


#35
Dibromofluoromethane
Concen: 47.153 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Instrument :
MSVOA_N
ClientSampleId :

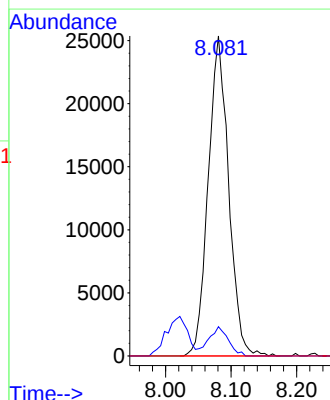
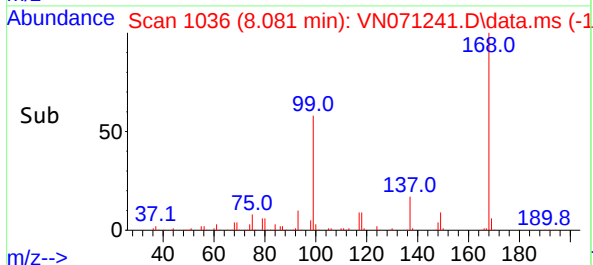
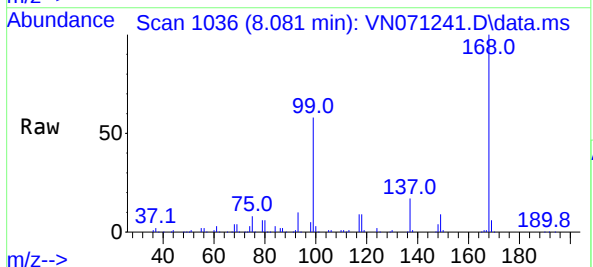


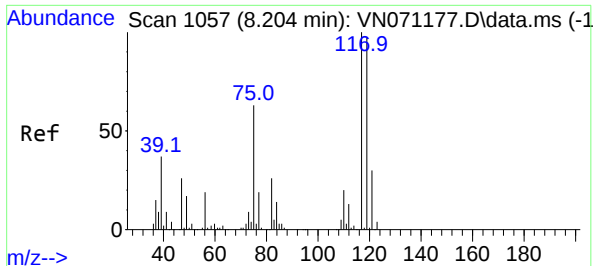
Tgt Ion:113 Resp: 349978
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

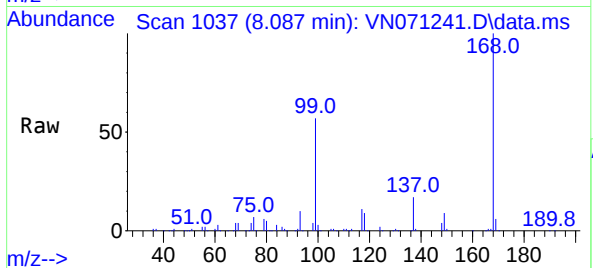
Tgt Ion: 75 Resp: 54862
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



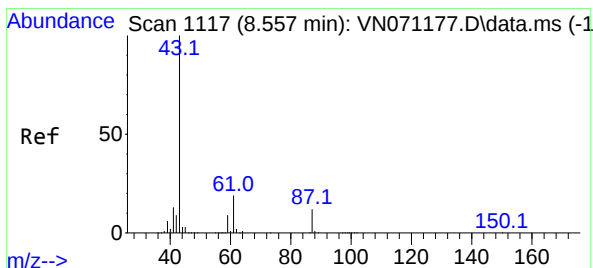
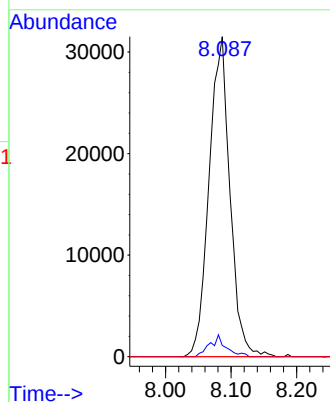
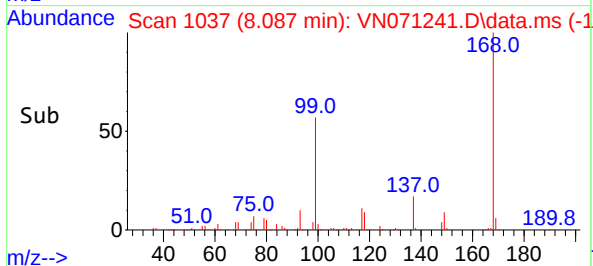


#38
Carbon Tetrachloride
Concen: 6.052 ug/l
RT: 8.087 min Scan# 1107
Delta R.T. -0.117 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

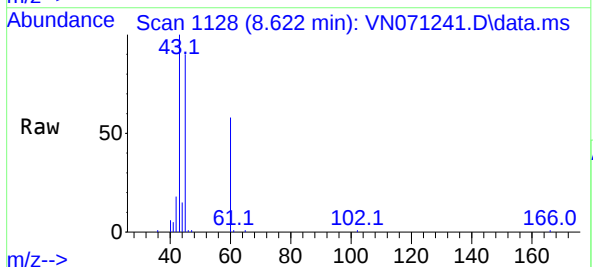
Instrument :
MSVOA_N
ClientSampleId :



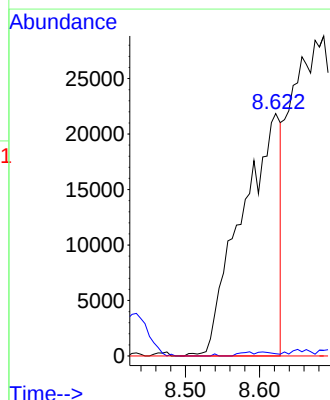
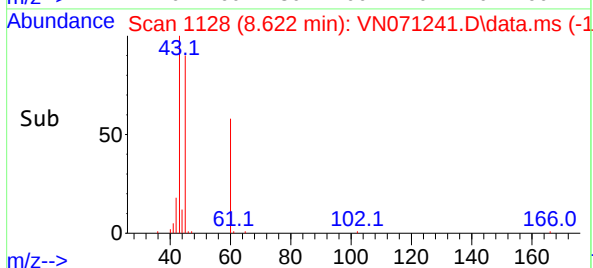
Tgt Ion:117 Resp: 69610
Ion Ratio Lower Upper
117 100
119 3.5 76.1 114.1#
121 0.0 24.2 36.2#

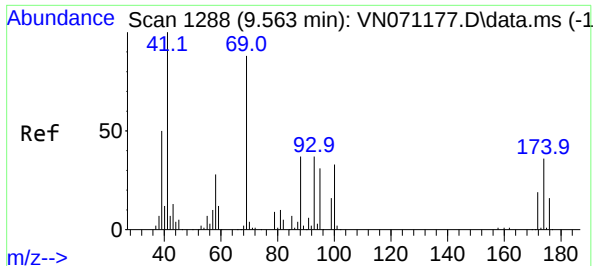


#43
Isopropyl Acetate
Concen: 3.253 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.065 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29



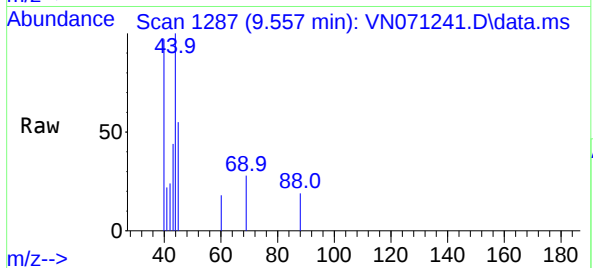
Tgt Ion: 43 Resp: 79613
Ion Ratio Lower Upper
43 100
61 0.7 20.4 30.6#
87 0.0 11.2 16.8#



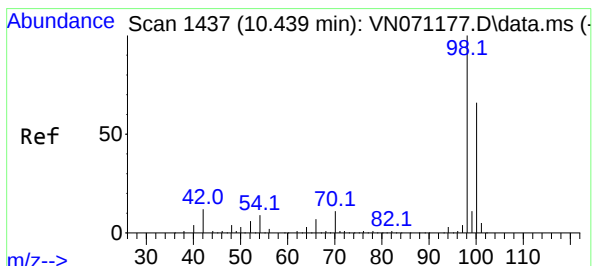
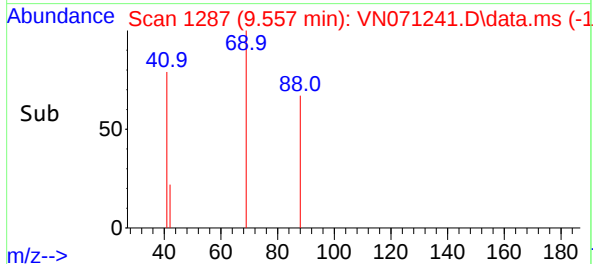
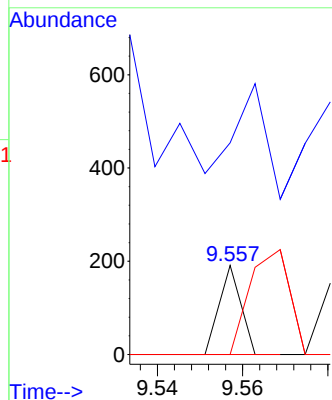


#49
1,4-Dioxane
Concen: 0.340 ug/l
RT: 9.557 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Instrument :
MSVOA_N
ClientSampleId :

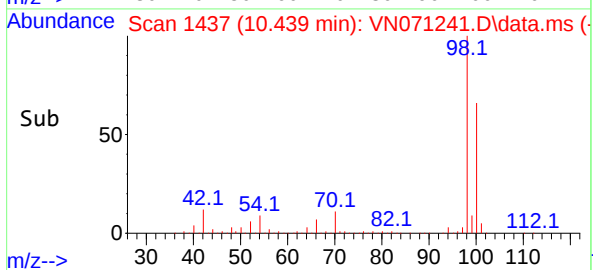
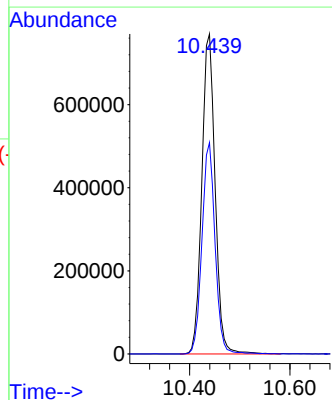
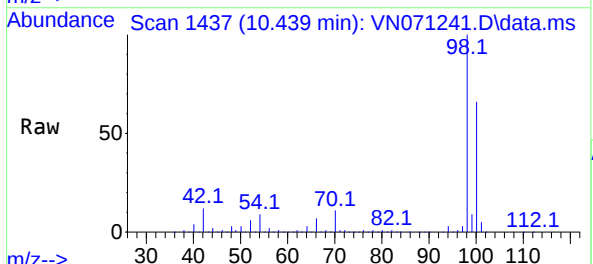


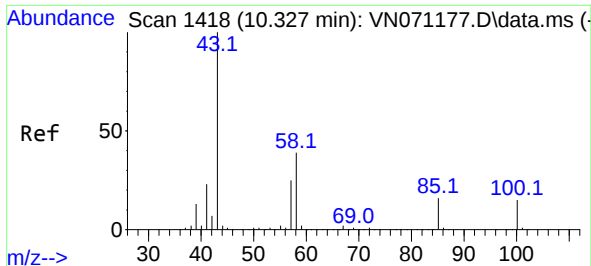
Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 317.9 23.4 35.2#
58 216.4 50.6 75.8#



#50
Toluene-d8
Concen: 47.412 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 98 Resp: 1416852
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6

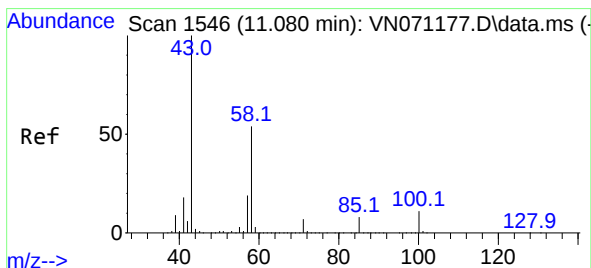
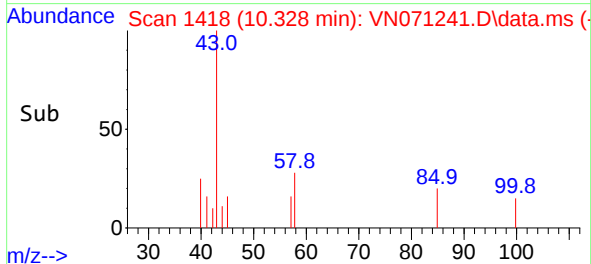
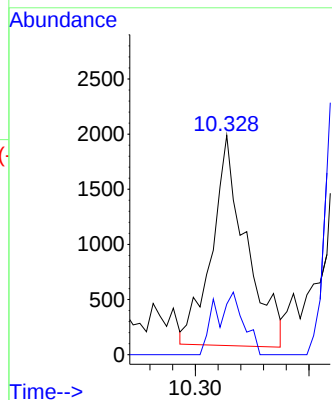
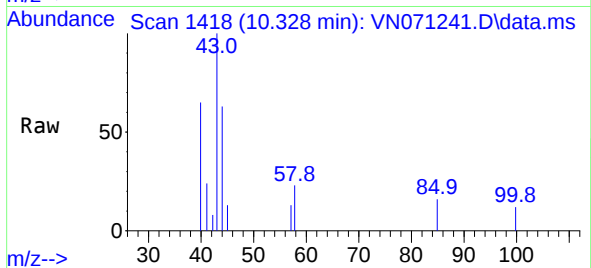




#51
4-Methyl-2-Pentanone
Concen: 0.262 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

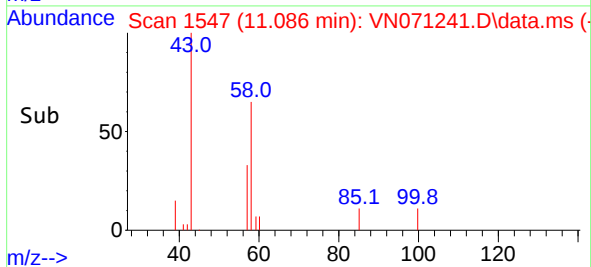
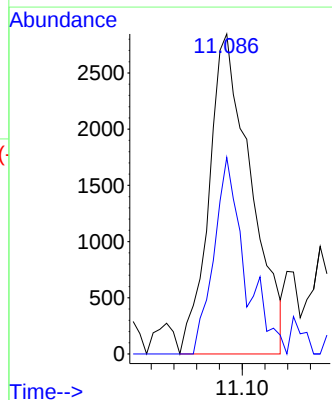
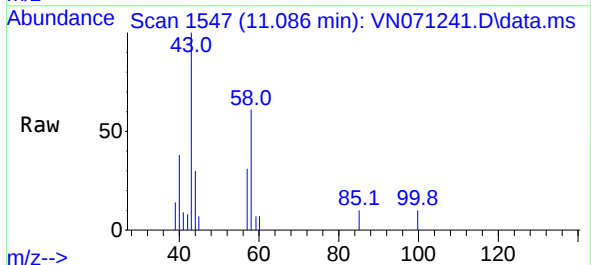
Instrument :
MSVOA_N
ClientSampleId :

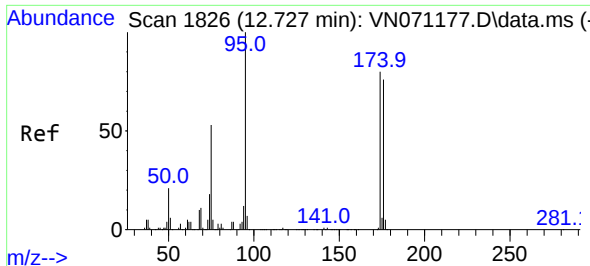
Tgt Ion: 43 Resp: 3981
Ion Ratio Lower Upper
43 100
58 24.3 30.4 45.6#



#59
2-Hexanone
Concen: 0.703 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 43 Resp: 7285
Ion Ratio Lower Upper
43 100
58 45.7 26.9 80.7

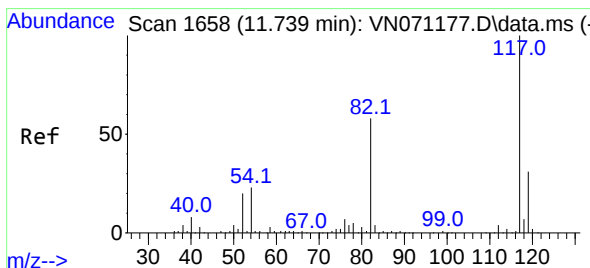
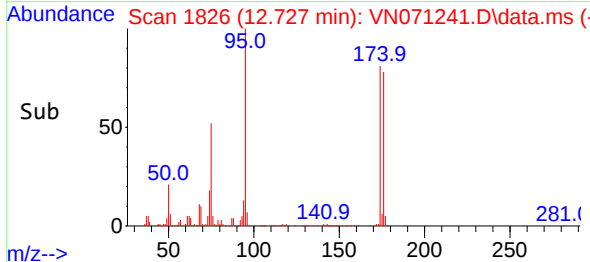
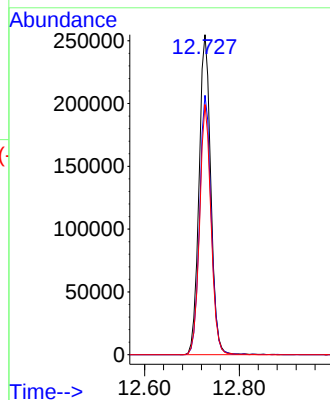
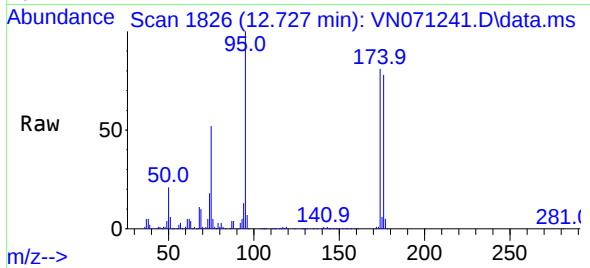




#62
4-Bromofluorobenzene
Concen: 43.216 ug/l
RT: 12.727 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

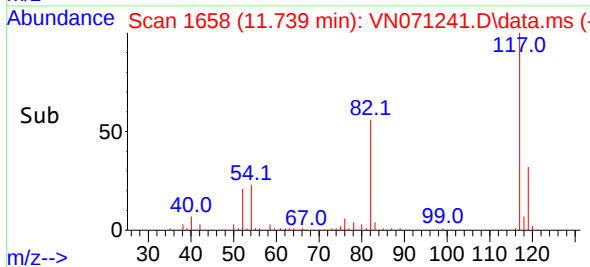
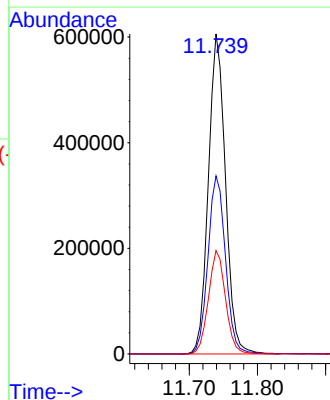
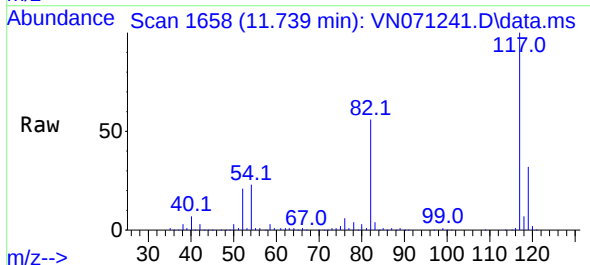
Instrument :
MSVOA_N
ClientSampleId :

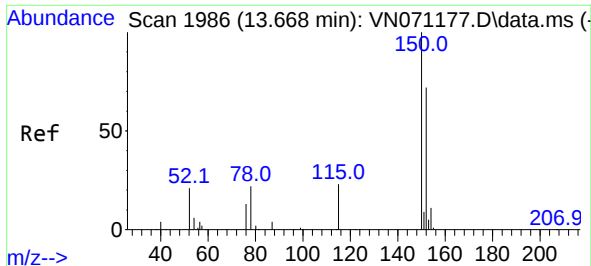
Tgt Ion: 95 Resp: 437322
Ion Ratio Lower Upper
95 100
174 80.2 0.0 187.2
176 75.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

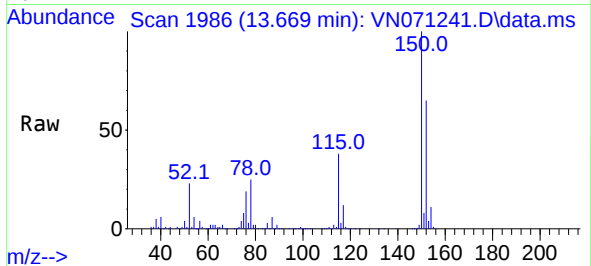
Tgt Ion: 117 Resp: 1057095
Ion Ratio Lower Upper
117 100
82 55.7 42.4 63.6
119 32.3 25.4 38.2



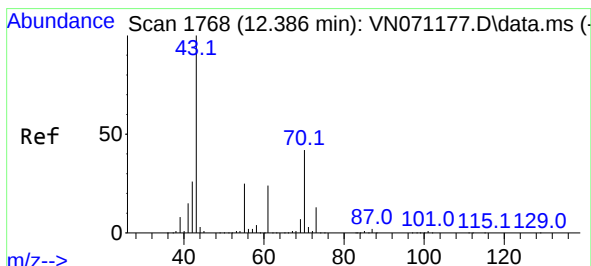
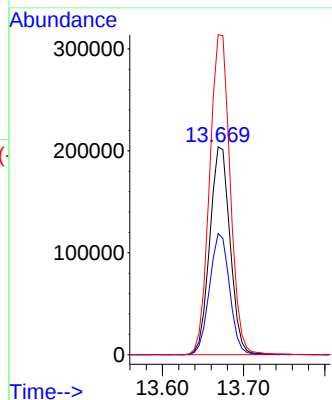
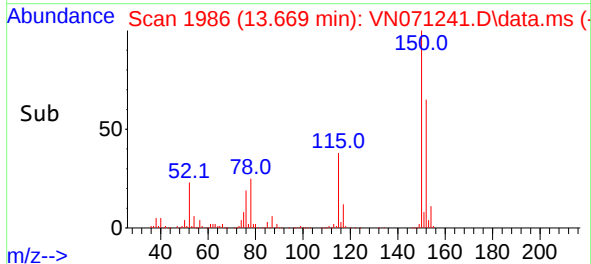


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Instrument :
MSVOA_N
ClientSampleId :

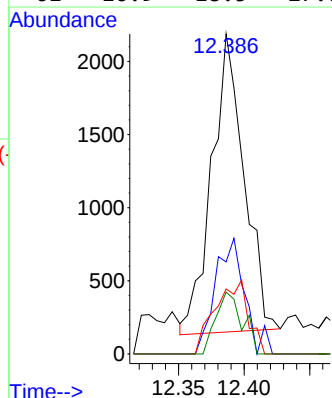
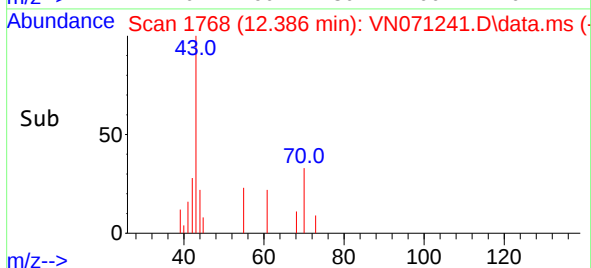
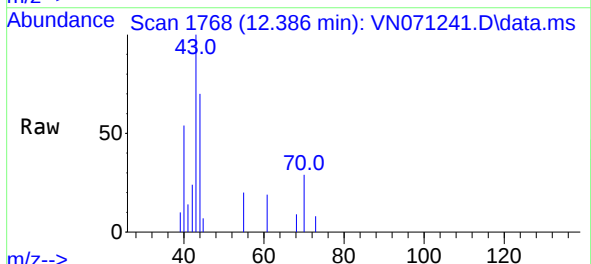


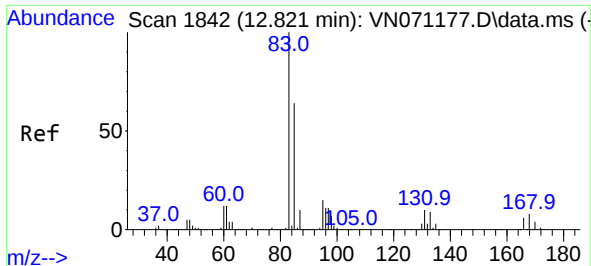
Tgt Ion:152 Resp: 353610
Ion Ratio Lower Upper
152 100
115 57.9 27.5 82.5
150 156.3 0.0 344.4



#74
N-ethyl acetate
Concen: 0.273 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 43 Resp: 3499
Ion Ratio Lower Upper
43 100
70 35.3 33.4 50.0
55 25.3 19.3 28.9
61 16.9 18.5 27.7#

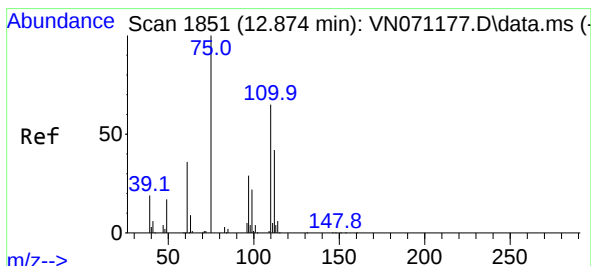
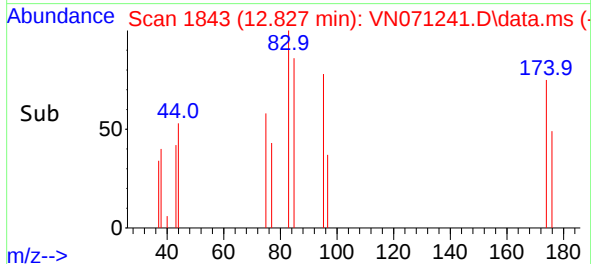
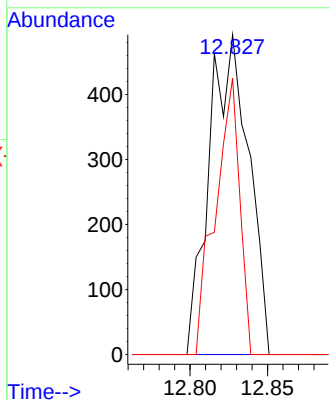
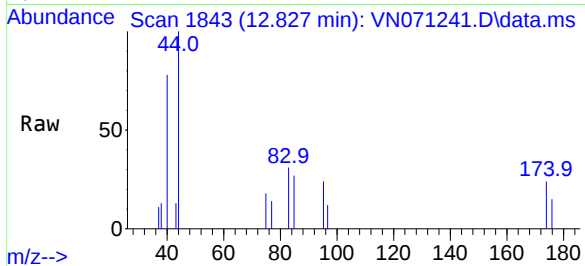




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

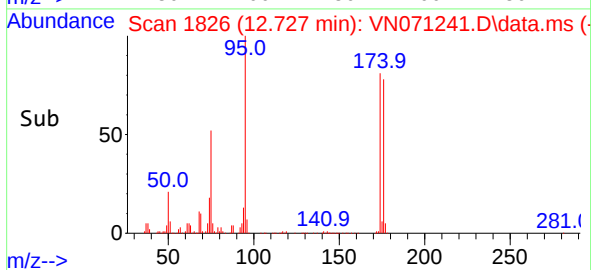
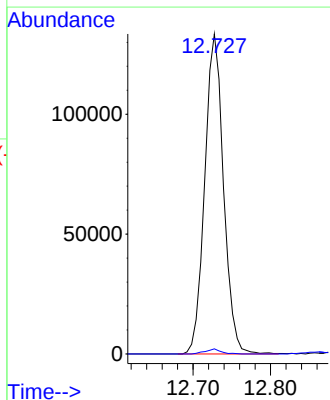
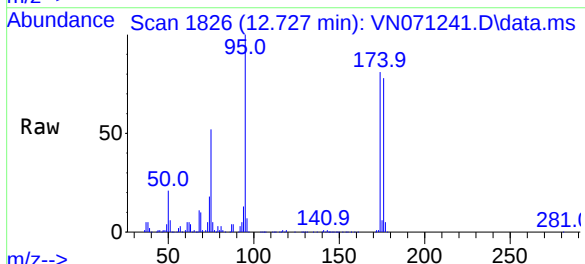
Instrument :
MSVOA_N
ClientSampleId :

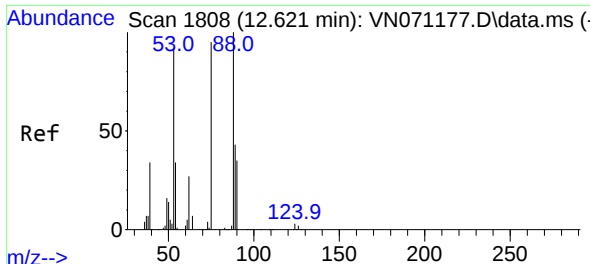
Tgt Ion: 83 Resp: 873
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 53.2 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 24.828 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 75 Resp: 224963
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

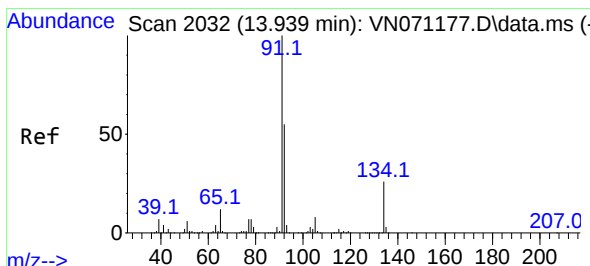
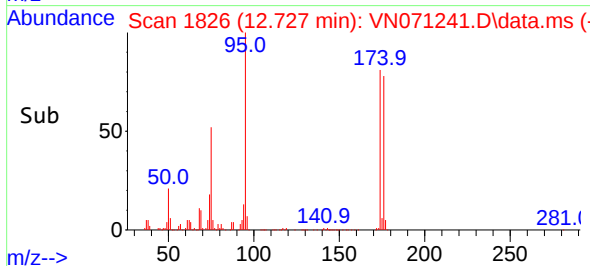
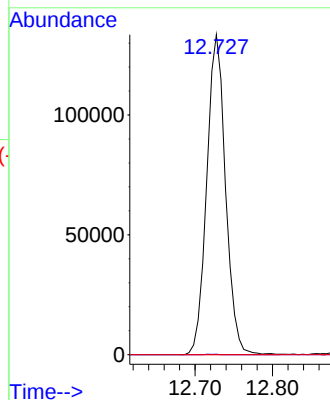
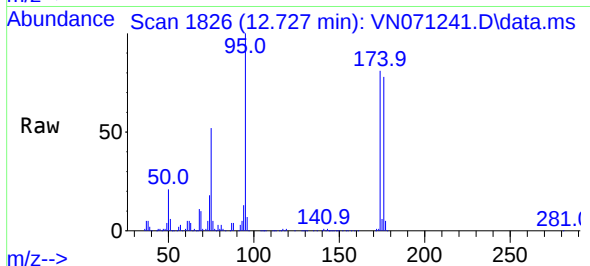




#81
trans-1,4-Dichloro-2-butene
Concen: 68.772 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

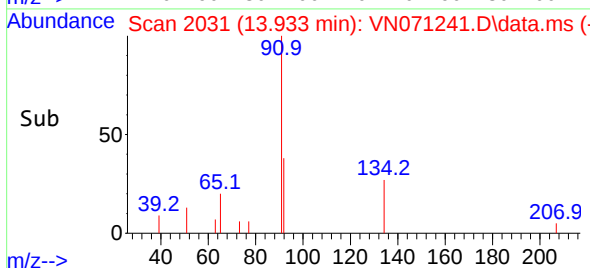
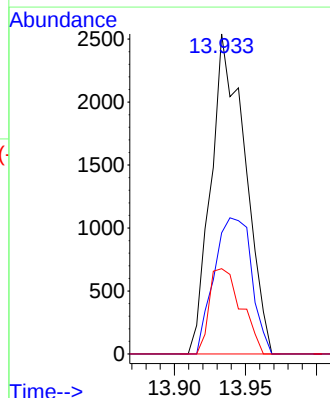
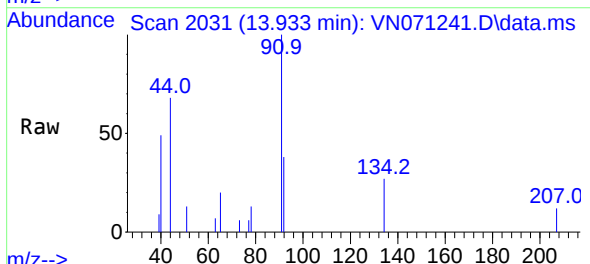
Instrument :
MSVOA_N
ClientSampleId :

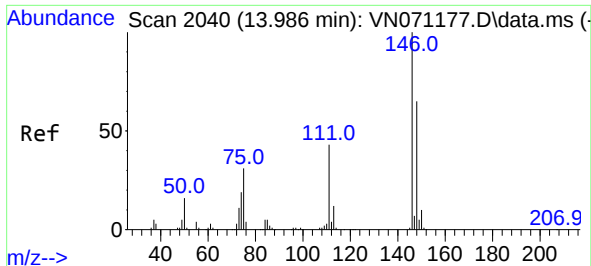
Tgt Ion: 75 Resp: 224963
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.219 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion: 91 Resp: 4232
Ion Ratio Lower Upper
91 100
92 46.9 25.4 76.0
134 25.0 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.204 ug/l

RT: 13.980 min Scan# 2040

Delta R.T. -0.006 min

Lab File: VN071241.D

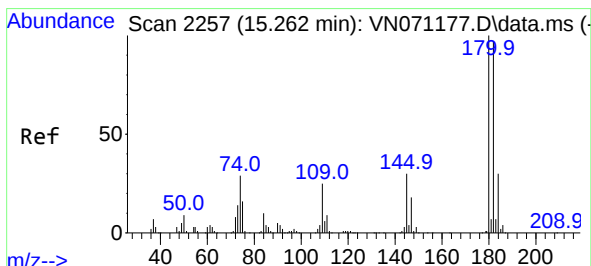
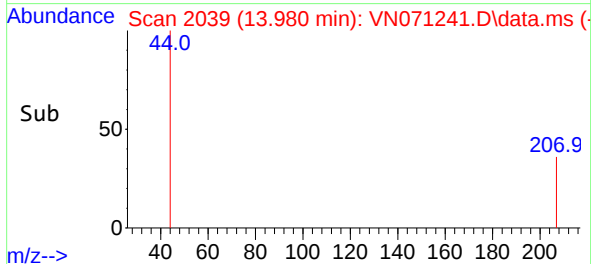
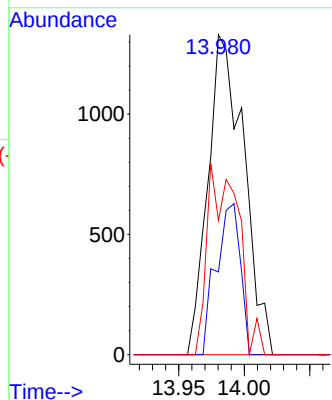
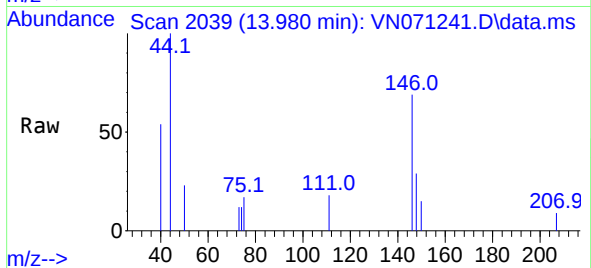
Acq: 11 Mar 2022 10:29

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	2527
Ion Ratio	Lower	Upper
146	100	
111	31.7	19.1 57.3
148	51.3	32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 3.392 ug/l

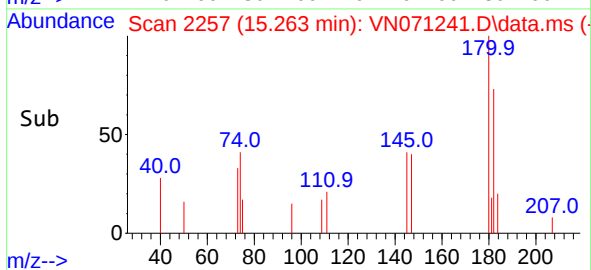
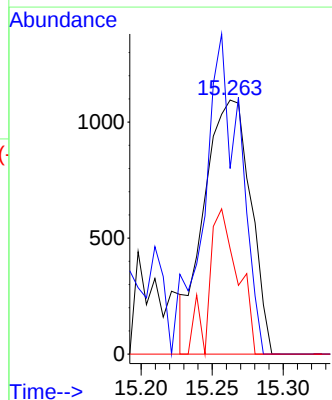
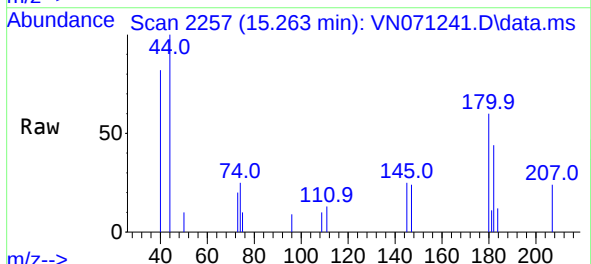
RT: 15.263 min Scan# 2257

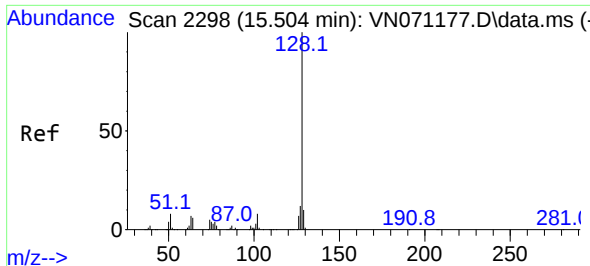
Delta R.T. 0.001 min

Lab File: VN071241.D

Acq: 11 Mar 2022 10:29

Tgt Ion:180	Resp:	2484
Ion Ratio	Lower	Upper
180	100	
182	98.2	48.3 144.9
145	35.9	14.5 43.5

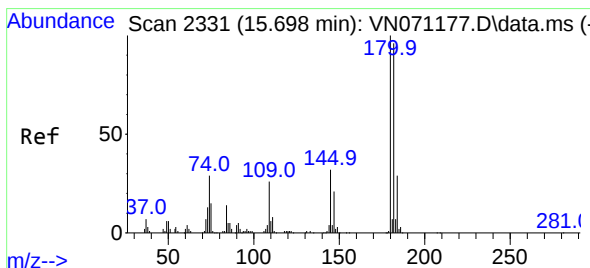
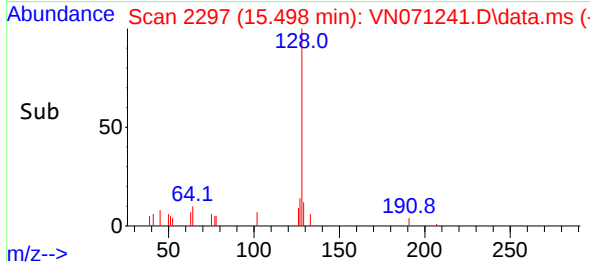
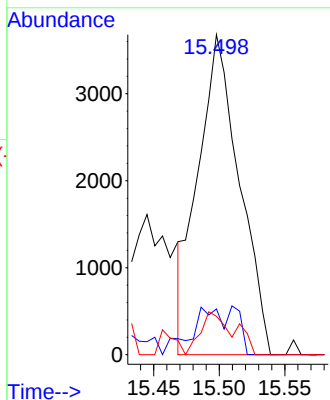
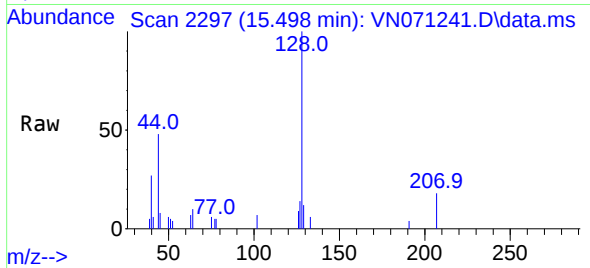




#95
Naphthalene
Concen: 5.516 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 8087
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.376 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071241.D
Acq: 11 Mar 2022 10:29

Tgt Ion:180 Resp: 3783
Ion Ratio Lower Upper
180 100
182 86.6 47.4 142.2
145 22.8 15.0 45.1

