

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071216.D
 Acq On : 09 Mar 2022 17:45
 Operator : JC\MD
 Sample : PB143182ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 00:58:32 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)

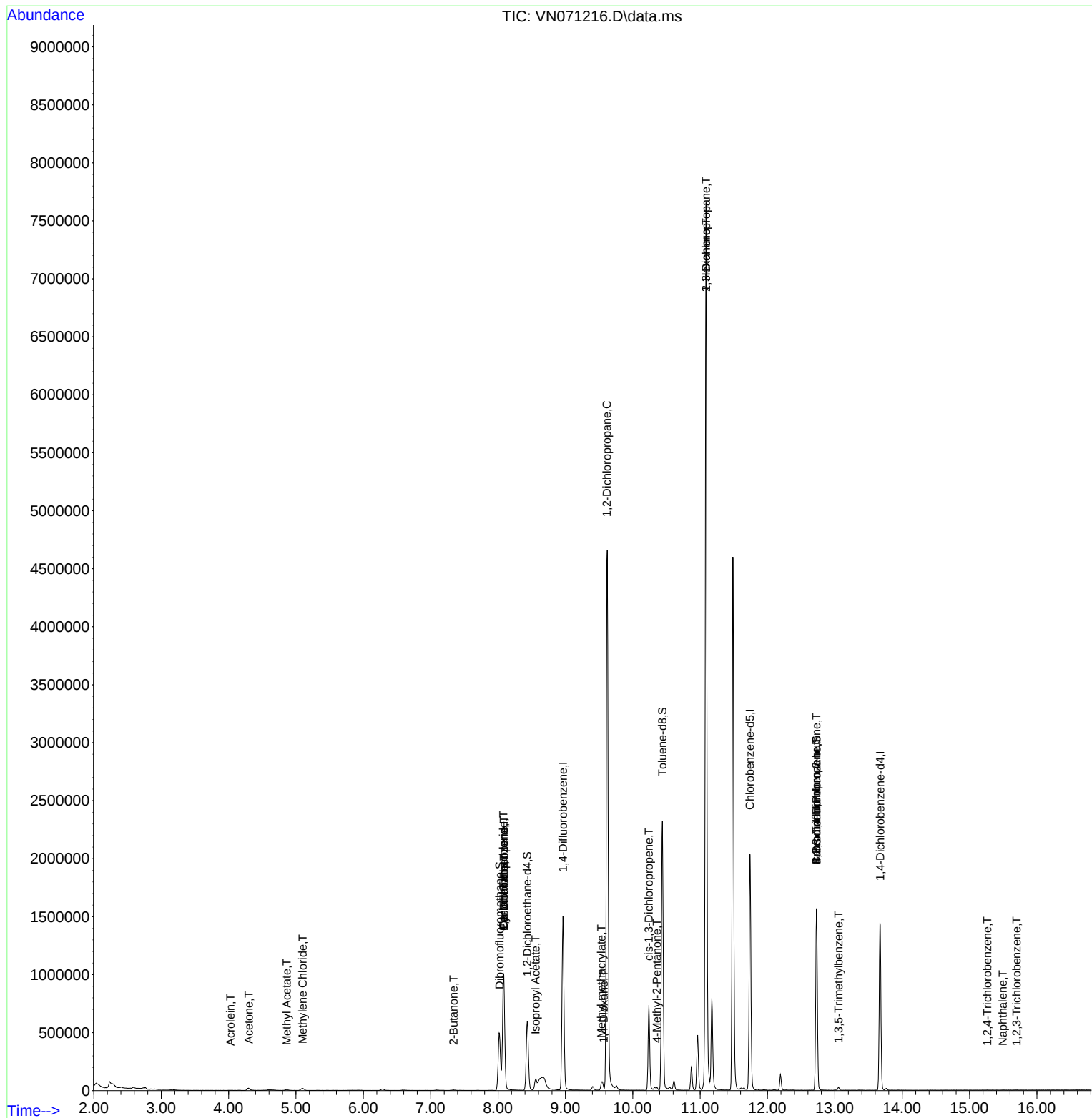
Internal Standards						
1) Pentafluorobenzene	8.086	168	779146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1280988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1183849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	405731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	497019	46.544	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.080%		
35) Dibromofluoromethane	8.022	113	373403	46.193	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.380%		
50) Toluene-d8	10.439	98	1591869	48.911	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.727	95	551285	50.021	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.040%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.857	94	1104	Below Cal	#	62
13) Acrolein	4.028	56	615	0.277	ug/l #	14
16) Acetone	4.298	43	34130	6.569	ug/l	89
18) Methyl Acetate	4.863	43	15710	1.585	ug/l	91
20) Methylene Chloride	5.098	84	14326	1.879	ug/l #	88
25) 2-Butanone	7.339	43	7930	0.947	ug/l	95
31) Cyclohexane	8.086	56	16406	0.962	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	63165	4.877	ug/l #	48
38) Carbon Tetrachloride	8.080	117	75658	6.039	ug/l #	16
43) Isopropyl Acetate	8.557	43	113259	4.249	ug/l #	82
45) 1,2-Dichloropropane	9.616	63	6197	0.592	ug/l #	44
48) Methyl methacrylate	9.533	41	22285	1.804	ug/l #	8
49) 1,4-Dioxane	9.569	88	129	0.601	ug/l #	27
51) 4-Methyl-2-Pentanone	10.357	43	34694	2.097	ug/l #	37
54) cis-1,3-Dichloropropene	10.239	75	124196	7.914	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	78051	4.516	ug/l #	43
59) 2-Hexanone	11.086	43	1227604	108.764	ug/l #	49
71) Bromoform	12.727	173	2807	0.396	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.827	83	53	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	284319	27.652	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	12870	0.423	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.727	75	284319	75.752	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	341	3.037	ug/l #	49
95) Naphthalene	15.492	128	834	5.108	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.698	180	379	2.788	ug/l #	69

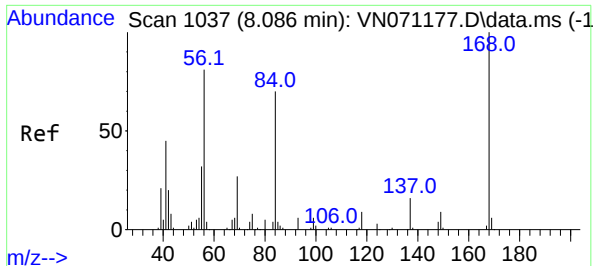
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
Data File : VN071216.D
Acq On : 09 Mar 2022 17:45
Operator : JC\MD
Sample : PB143182ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

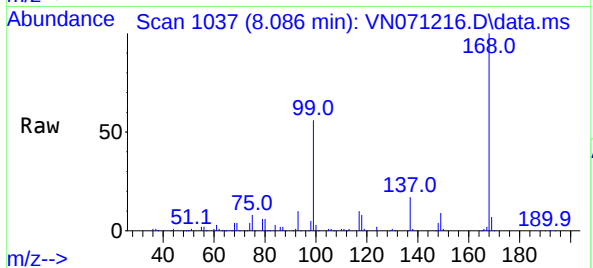
Quant Time: Mar 10 00:58:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration



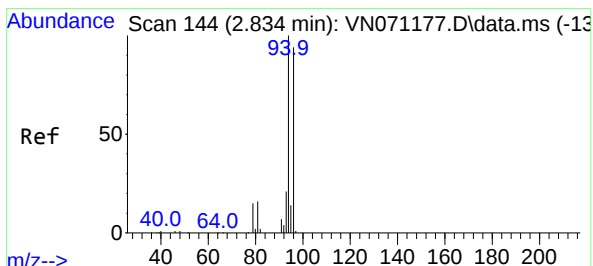
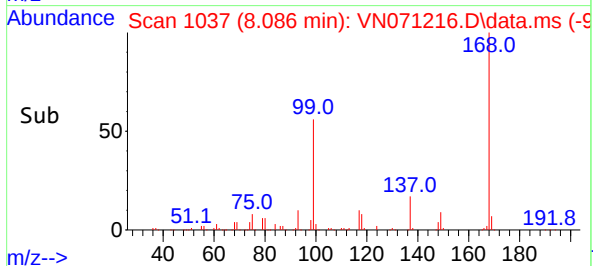
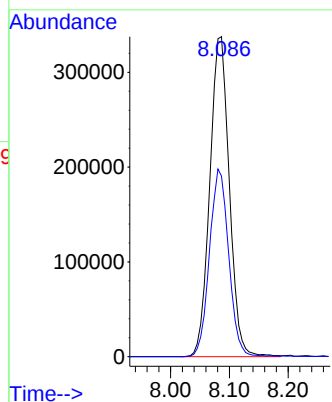


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Instrument :
MSVOA_N
ClientSampleId :

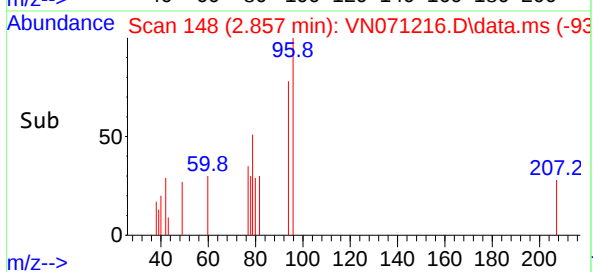
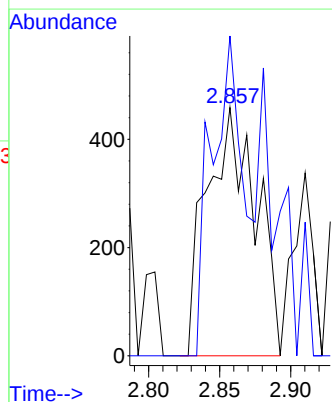
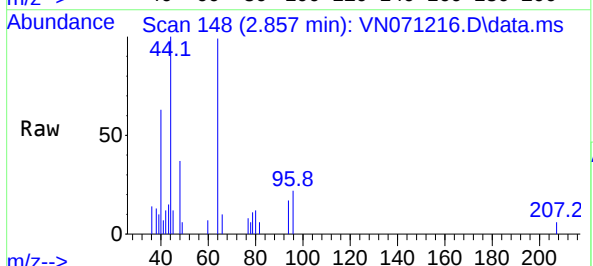


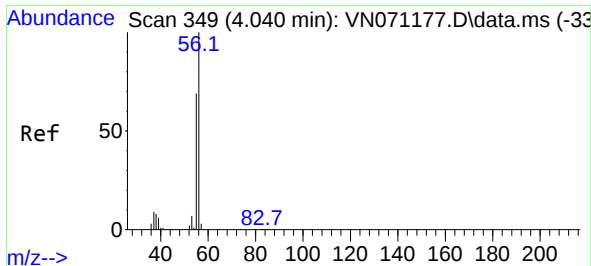
Tgt Ion:168 Resp: 779146
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 148
Delta R.T. 0.023 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 94 Resp: 1104
Ion Ratio Lower Upper
94 100
96 128.8 73.8 110.8#

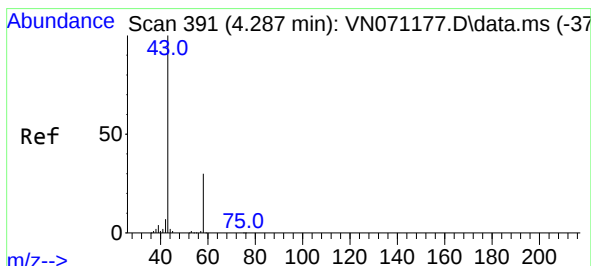
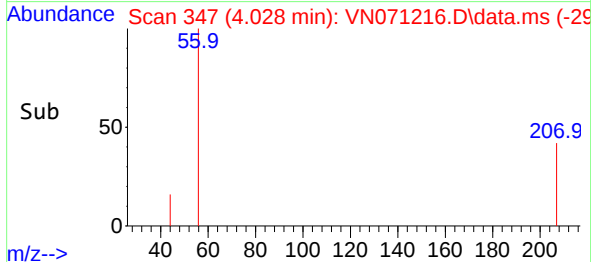
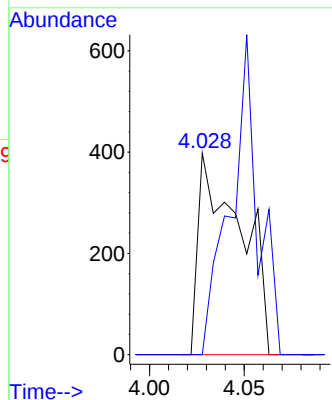
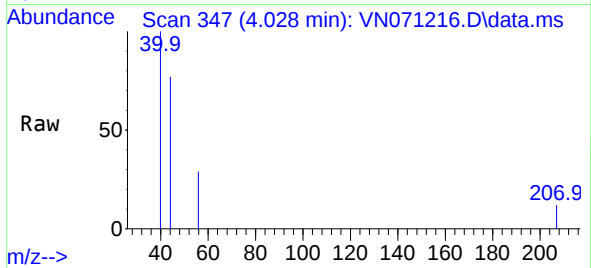




#13
Acrolein
Concen: 0.277 ug/l
RT: 4.028 min Scan# 34
Delta R.T. -0.012 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

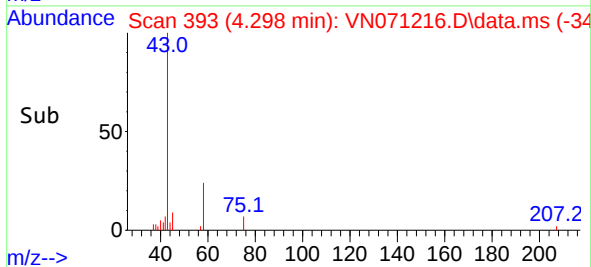
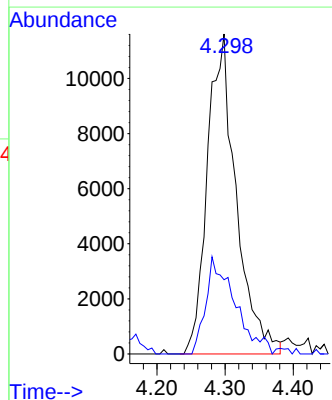
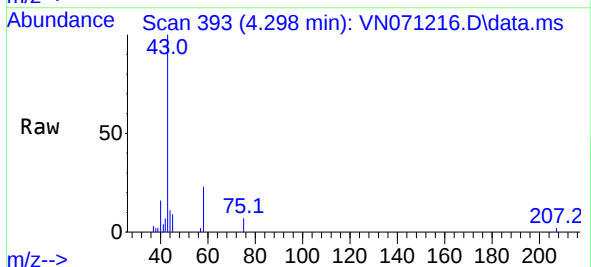
Instrument :
MSVOA_N
ClientSampleId :

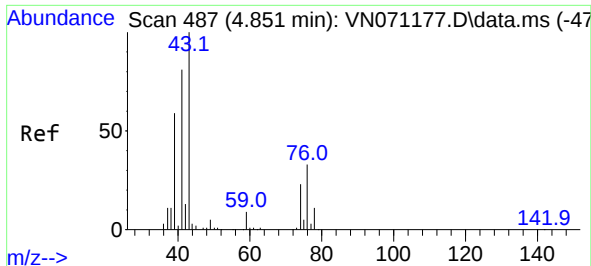
Tgt Ion: 56 Resp: 615
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 6.569 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 43 Resp: 34130
Ion Ratio Lower Upper
43 100
58 23.2 23.1 34.7

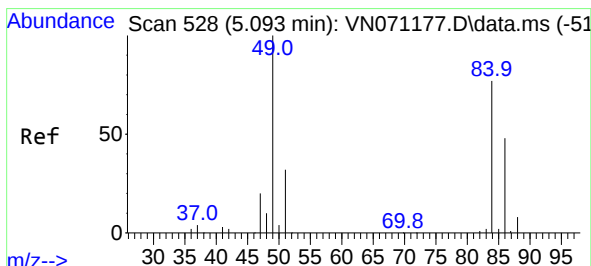
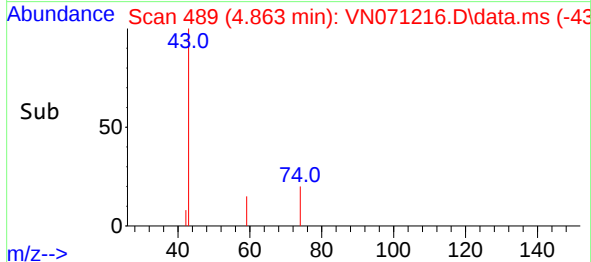
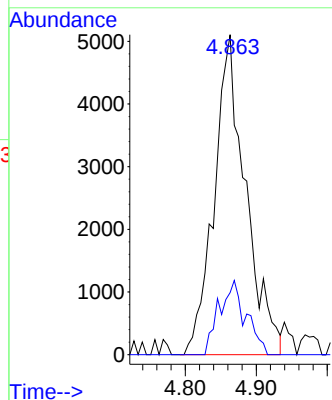
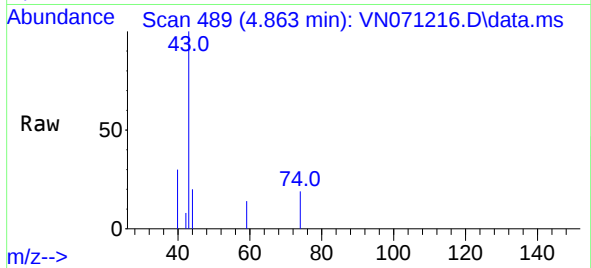




#18
Methyl Acetate
Concen: 1.585 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

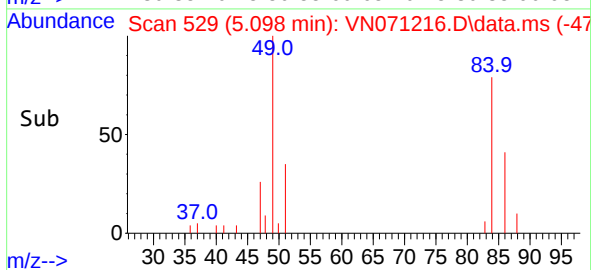
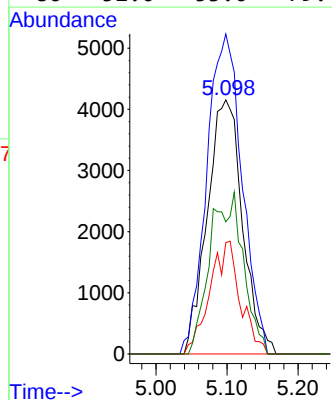
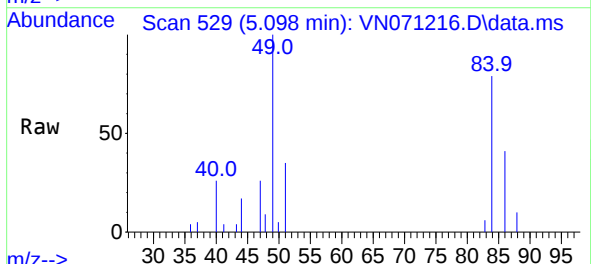
Instrument :
MSVOA_N
ClientSampleId :

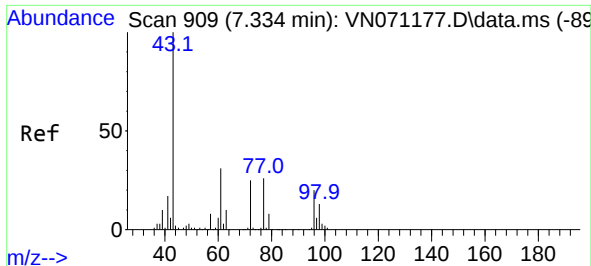
Tgt Ion: 43 Resp: 15710
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2



#20
Methylene Chloride
Concen: 1.879 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 84 Resp: 14326
Ion Ratio Lower Upper
84 100
49 125.9 93.5 140.3
51 43.8 29.4 44.2
86 52.0 53.0 79.4#

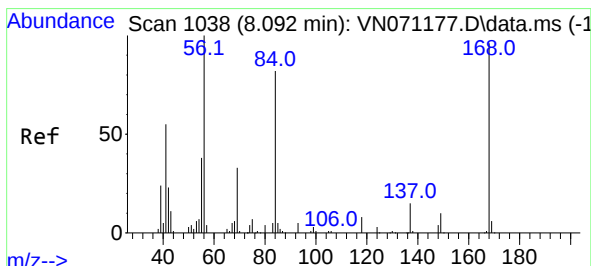
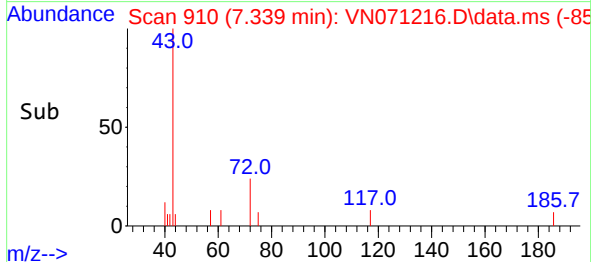
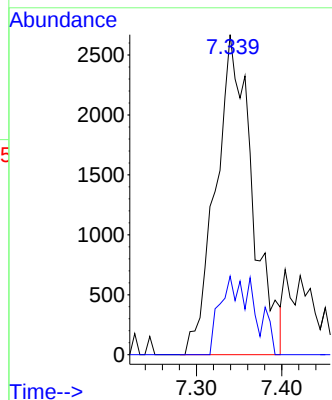
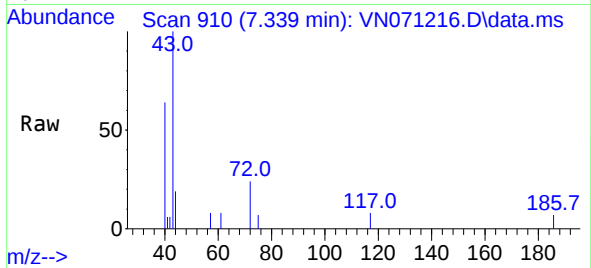




#25
2-Butanone
Concen: 0.947 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

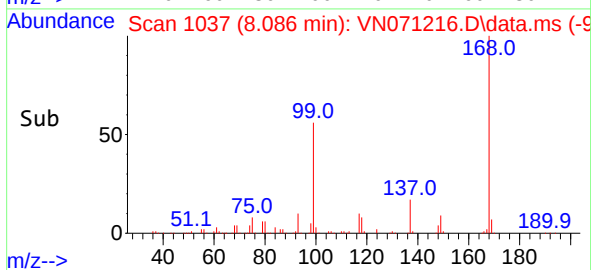
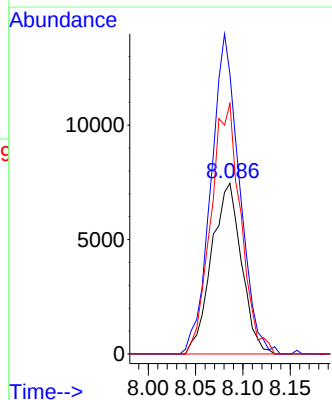
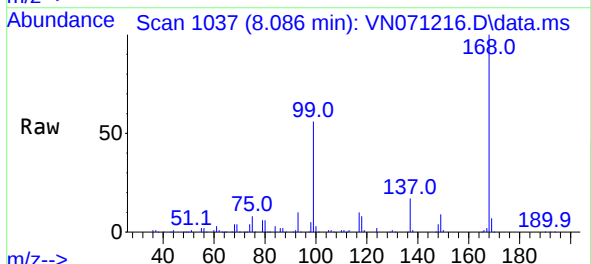
Instrument :
MSVOA_N
ClientSampleId :

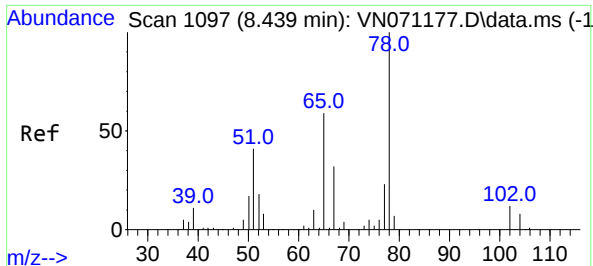
Tgt Ion: 43 Resp: 7930
Ion Ratio Lower Upper
43 100
72 24.5 21.7 32.5



#31
Cyclohexane
Concen: 0.962 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 56 Resp: 16406
Ion Ratio Lower Upper
56 100
69 164.0 27.1 40.7#
84 146.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.544 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

Instrument :

MSVOA_N

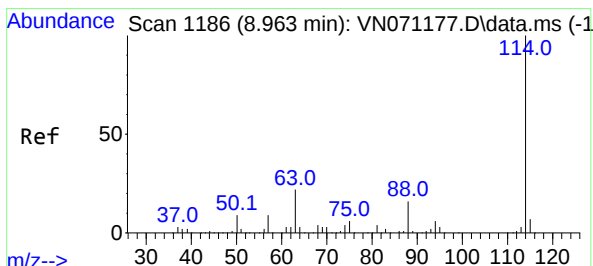
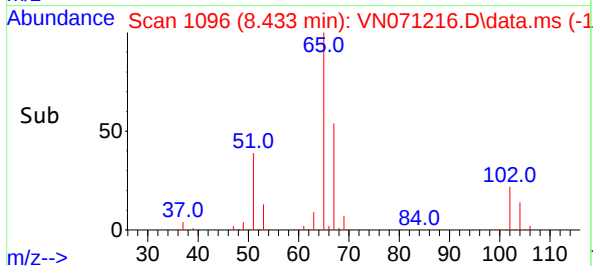
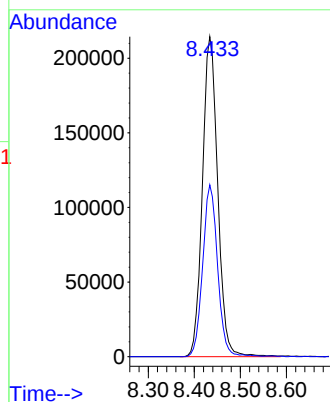
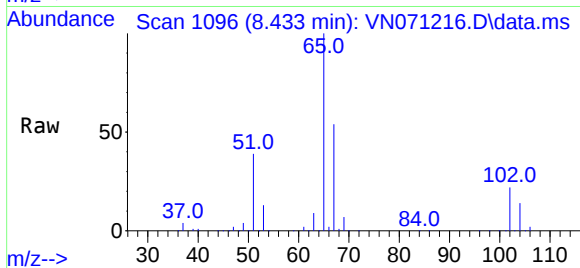
ClientSampleId :

Tgt Ion: 65 Resp: 497019

Ion Ratio Lower Upper

65 100

67 52.3 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: VN071216.D

Acq: 09 Mar 2022 17:45

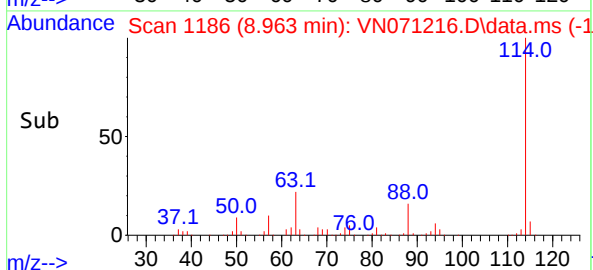
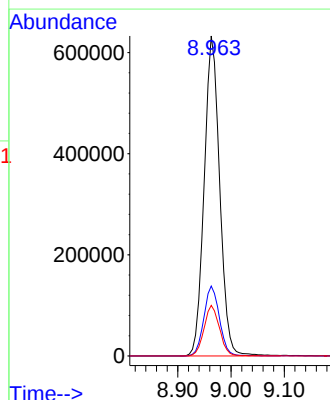
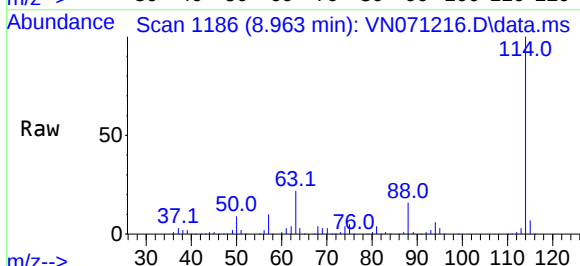
Tgt Ion: 114 Resp: 1280988

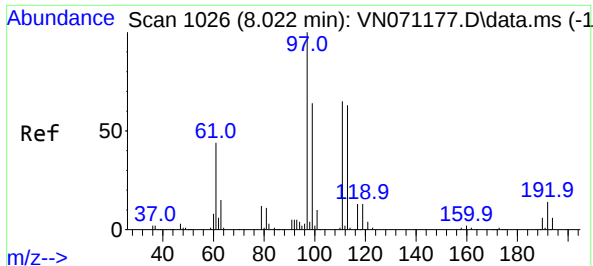
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.8 0.0 27.4

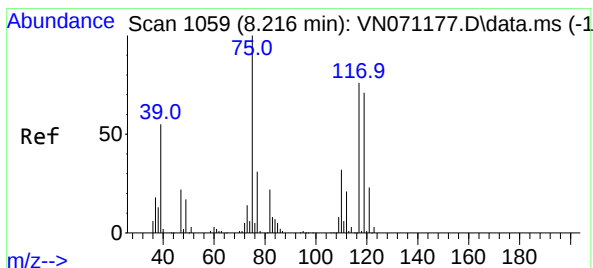
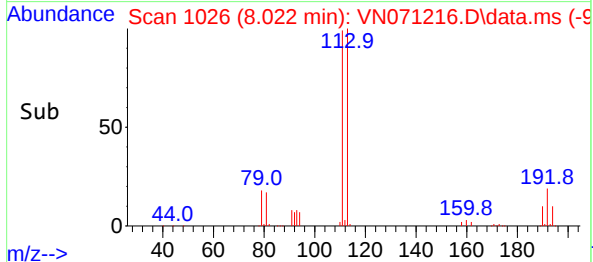
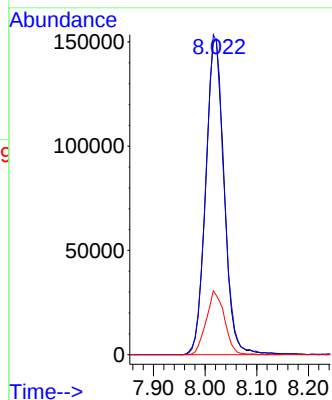
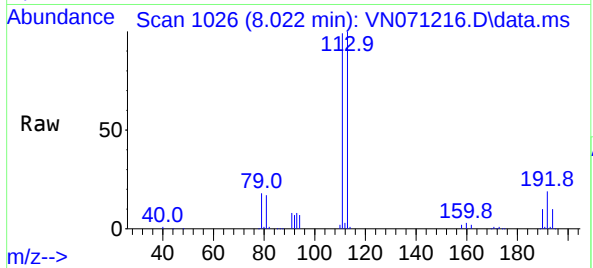




#35
Dibromofluoromethane
Concen: 46.193 ug/l
RT: 8.022 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

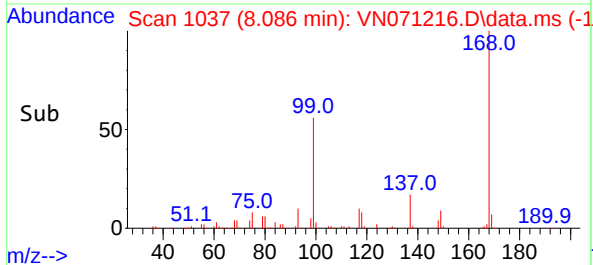
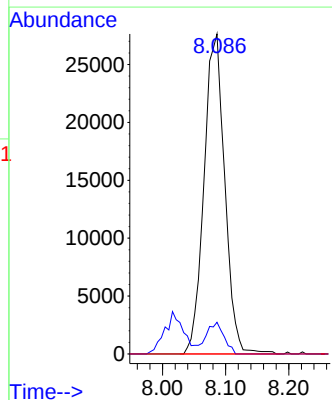
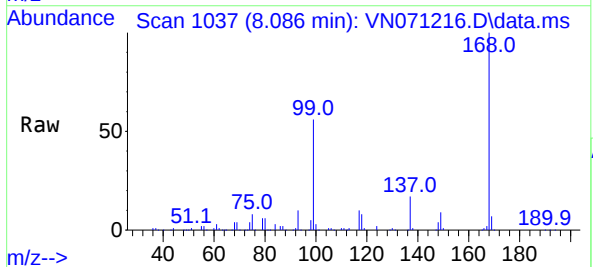
Instrument :
MSVOA_N
ClientSampleId :

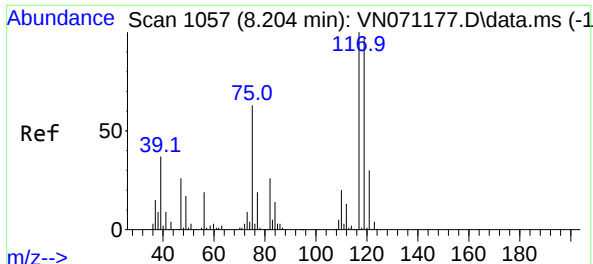
Tgt Ion:113 Resp: 373403
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.877 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

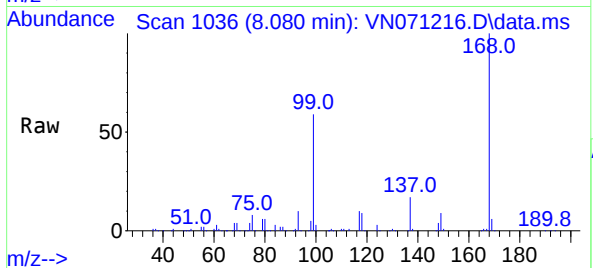
Tgt Ion: 75 Resp: 63165
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#



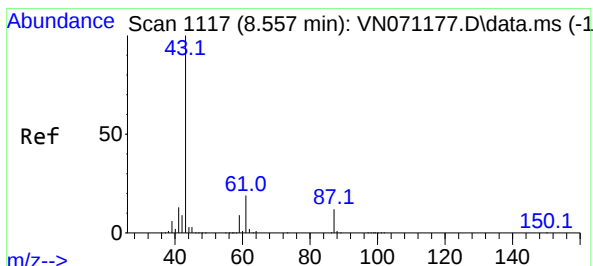
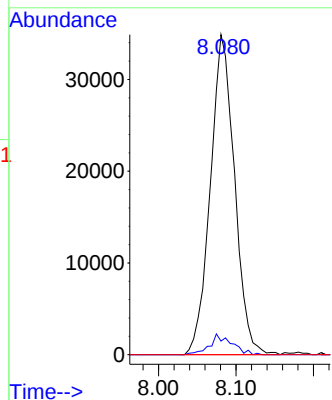
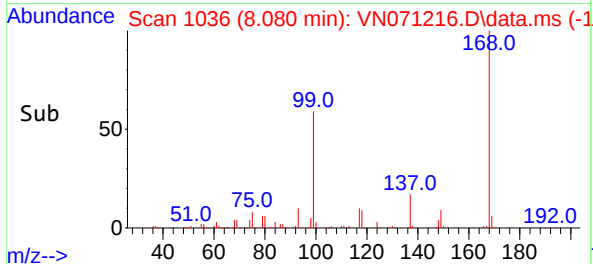


#38
Carbon Tetrachloride
Concen: 6.039 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Instrument :
MSVOA_N
ClientSampleId :

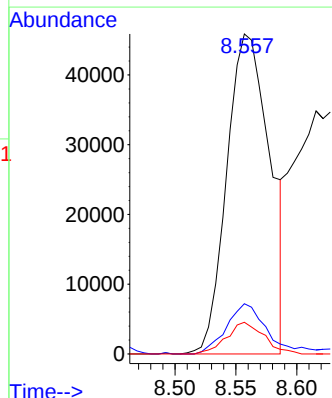
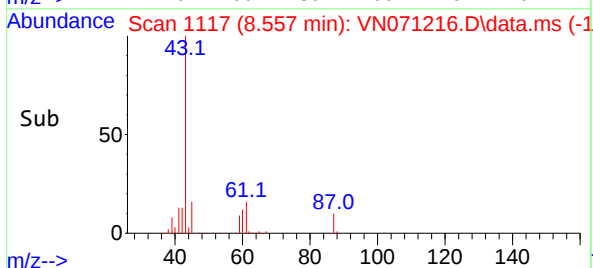
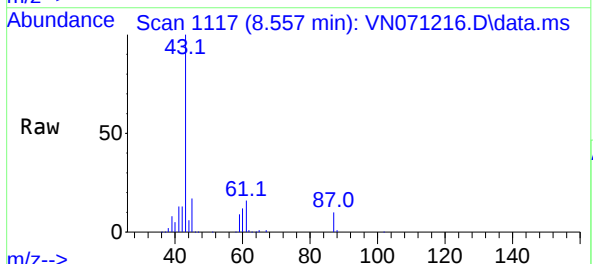


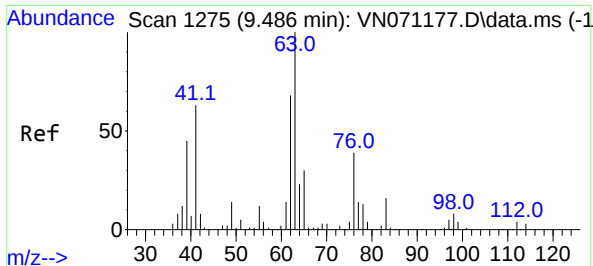
Tgt Ion:117 Resp: 75658
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.249 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 43 Resp: 113259
Ion Ratio Lower Upper
43 100
61 14.8 20.4 30.6#
87 8.6 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.592 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

Instrument :

MSVOA_N

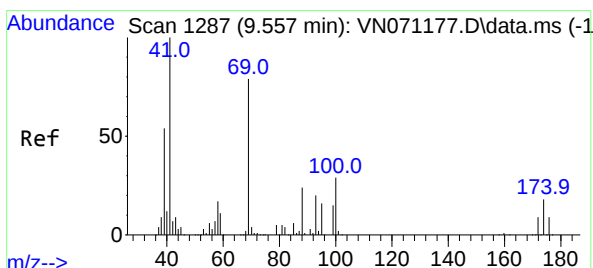
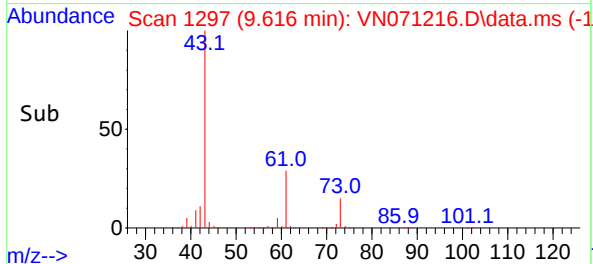
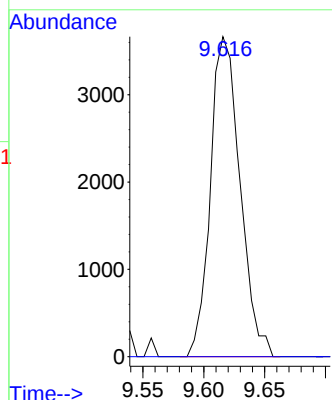
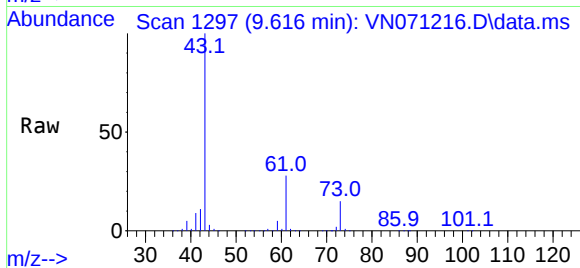
ClientSampleId :

Tgt Ion: 63 Resp: 6197

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.804 ug/l

RT: 9.533 min Scan# 1283

Delta R.T. -0.024 min

Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

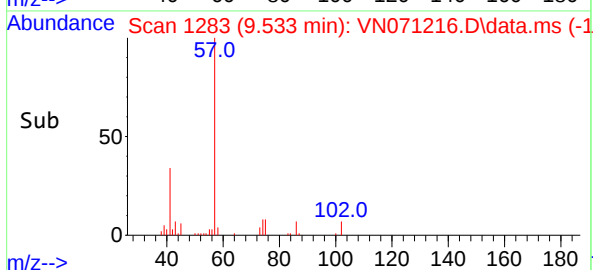
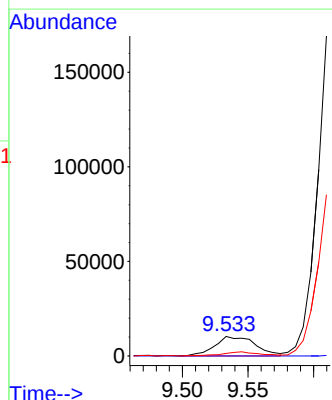
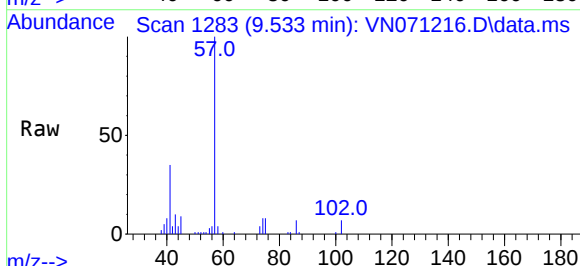
Tgt Ion: 41 Resp: 22285

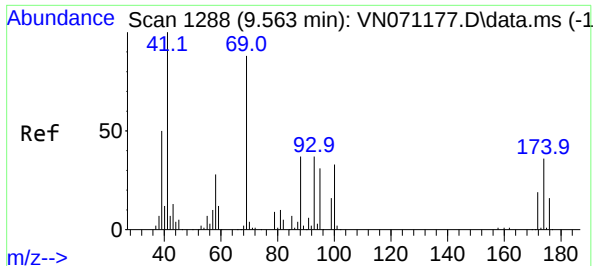
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#

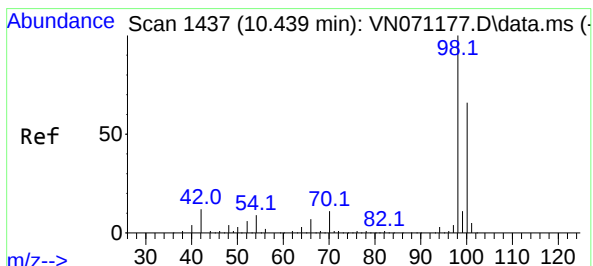
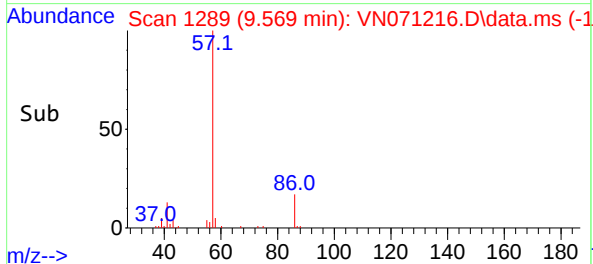
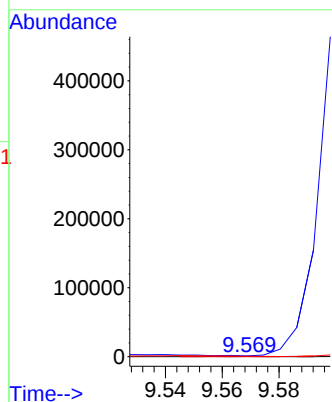
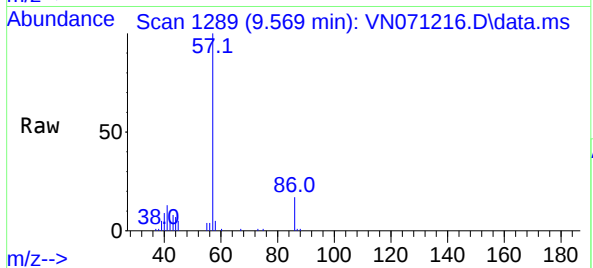




#49
1,4-Dioxane
Concen: 0.601 ug/l
RT: 9.569 min Scan# 1288
Delta R.T. 0.006 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

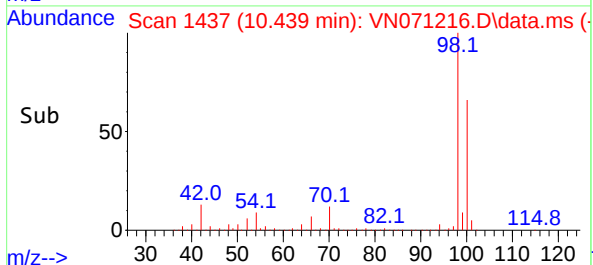
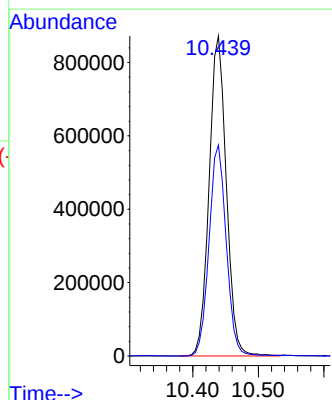
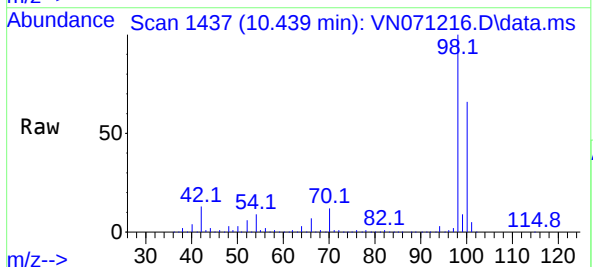
Instrument :
MSVOA_N
ClientSampleId :

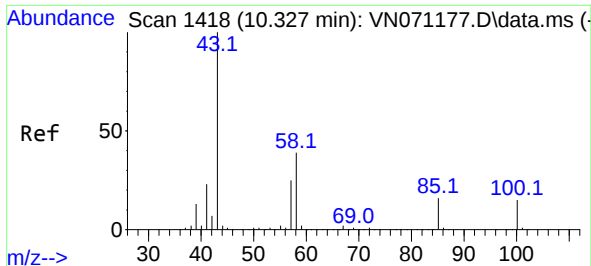
Tgt Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 48.911 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 98 Resp: 1591869
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 2.097 ug/l

RT: 10.357 min Scan# 14

Delta R.T. 0.030 min

Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

Instrument :

MSVOA_N

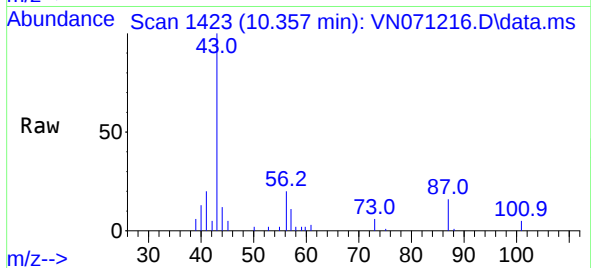
ClientSampleId :

Tgt Ion: 43 Resp: 34694

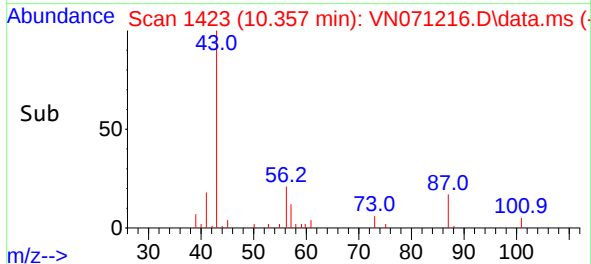
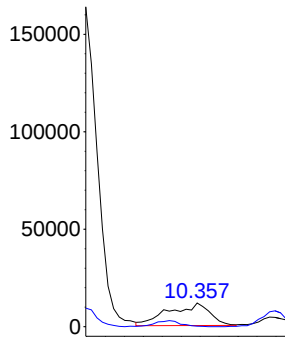
Ion Ratio Lower Upper

43 100

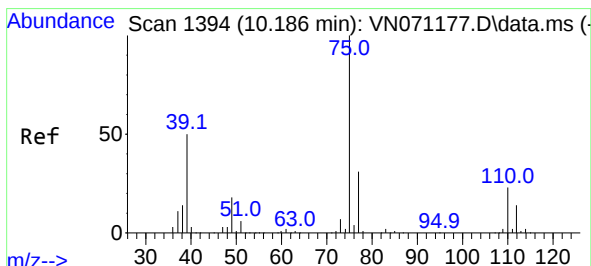
58 0.0 30.4 45.6#



Abundance



Time-->



#54

cis-1,3-Dichloropropene

Concen: 7.914 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

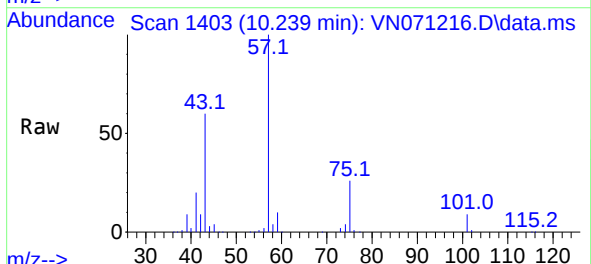
Tgt Ion: 75 Resp: 124196

Ion Ratio Lower Upper

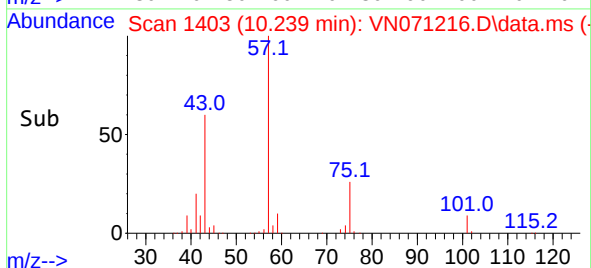
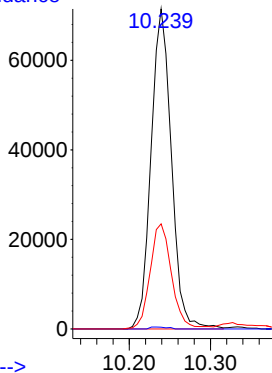
75 100

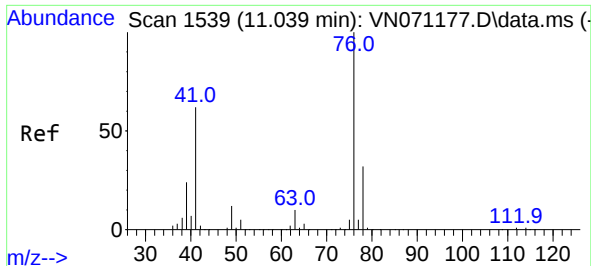
77 0.5 26.4 39.6#

39 32.8 42.5 63.7#



Abundance





#57

1,3-Dichloropropane

Concen: 4.516 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

Instrument :

MSVOA_N

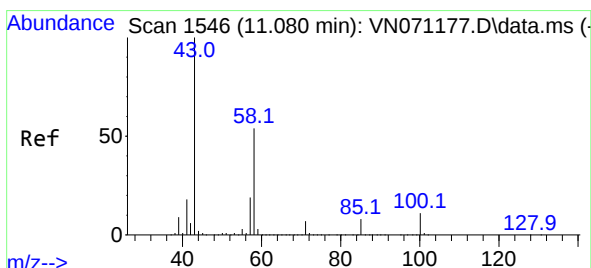
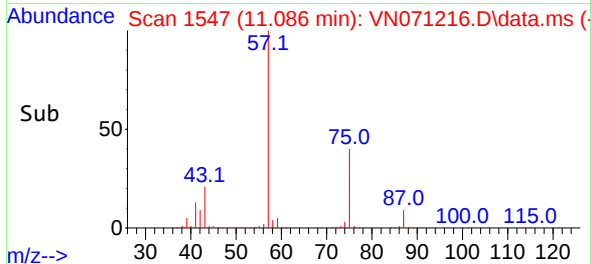
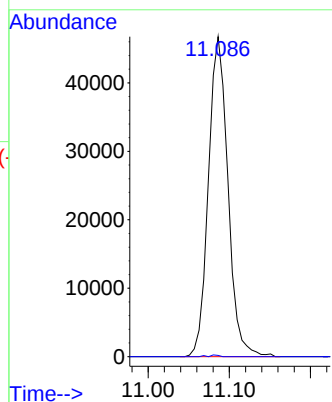
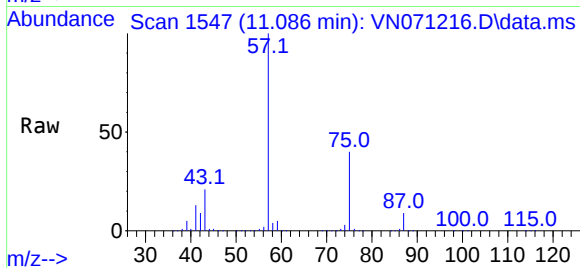
ClientSampleId :

Tgt Ion: 76 Resp: 78051

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#59

2-Hexanone

Concen: 108.764 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071216.D

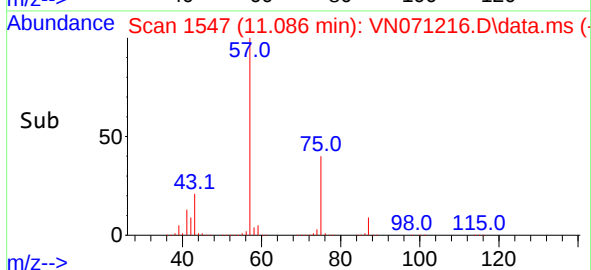
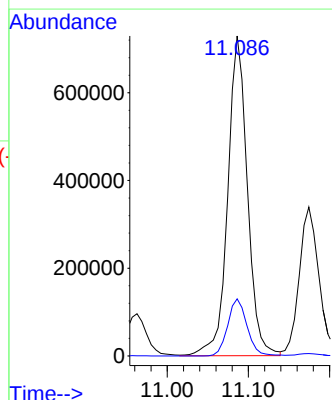
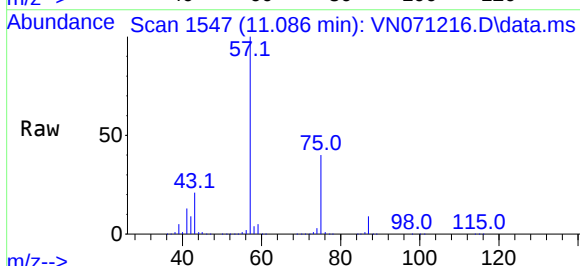
Acq: 09 Mar 2022 17:45

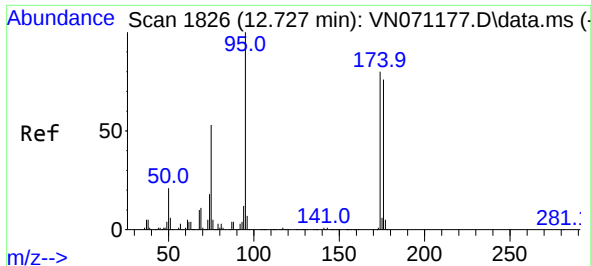
Tgt Ion: 43 Resp: 1227604

Ion Ratio Lower Upper

43 100

58 17.6 26.9 80.7#

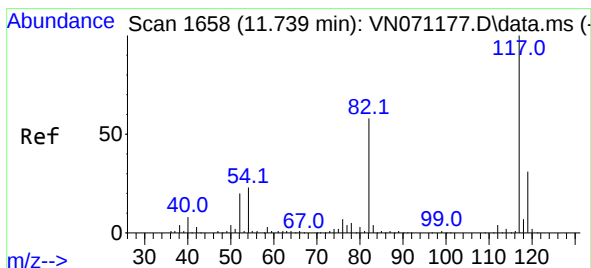
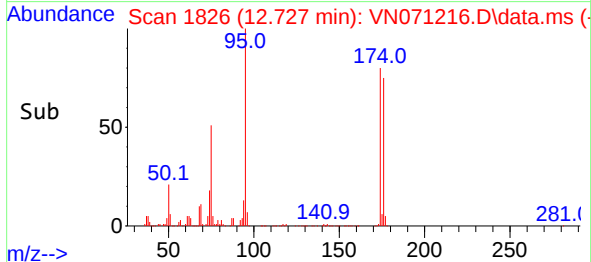
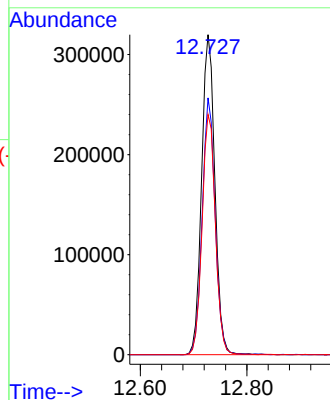
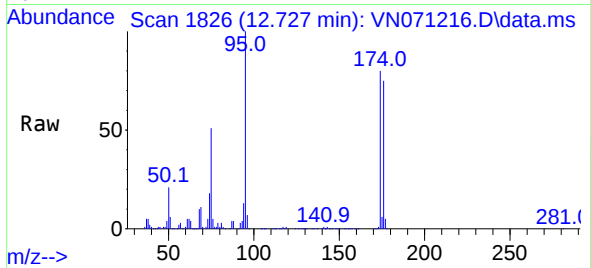




#62
4-Bromofluorobenzene
Concen: 50.021 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

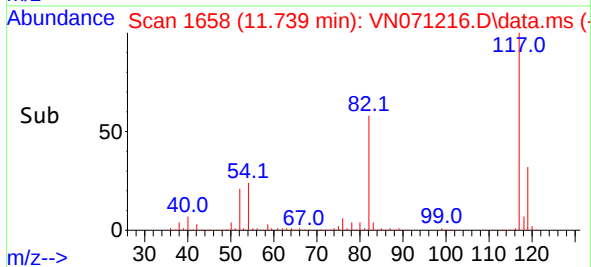
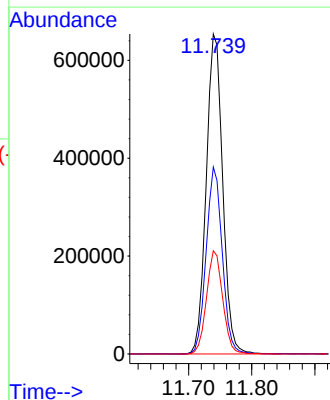
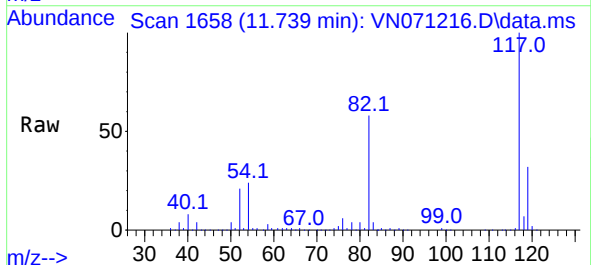
Instrument :
MSVOA_N
ClientSampleId :

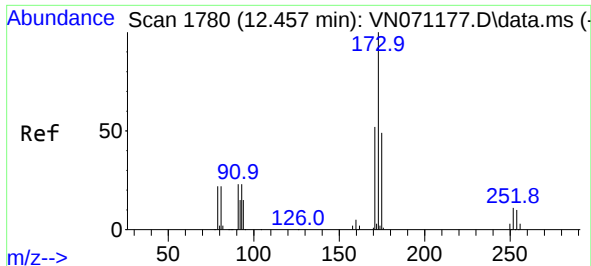
Tgt Ion: 95 Resp: 551285
Ion Ratio Lower Upper
95 100
174 78.4 0.0 187.2
176 75.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 117 Resp: 1183849
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.2 25.4 38.2

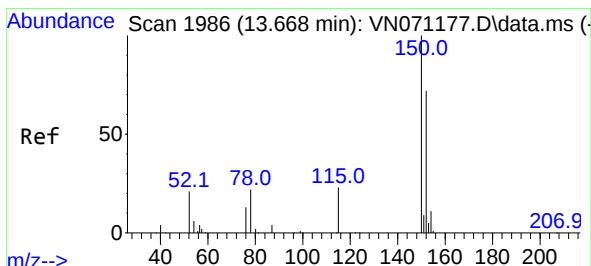
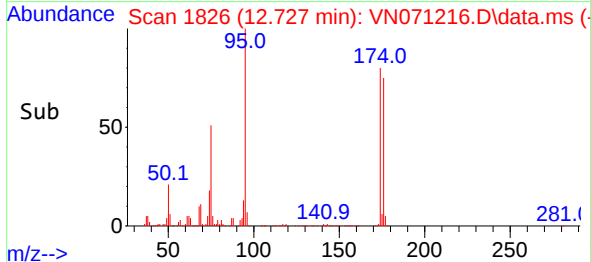
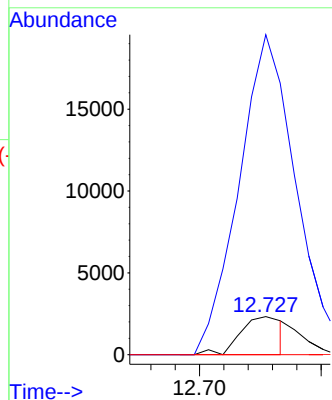
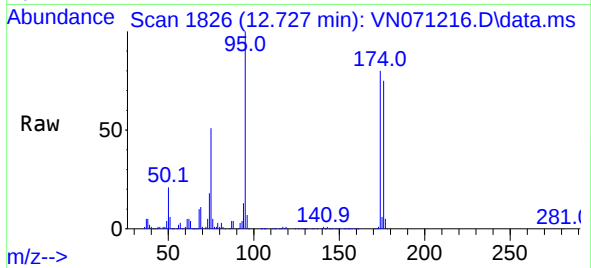




#71
Bromoform
Concen: 0.396 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

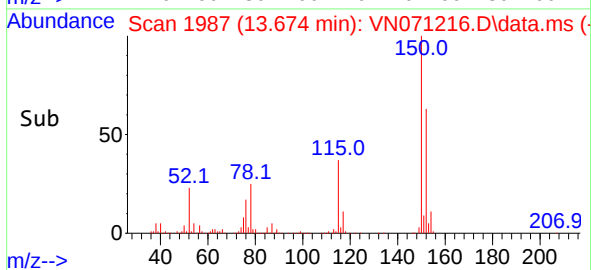
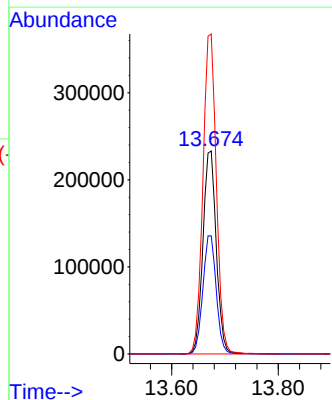
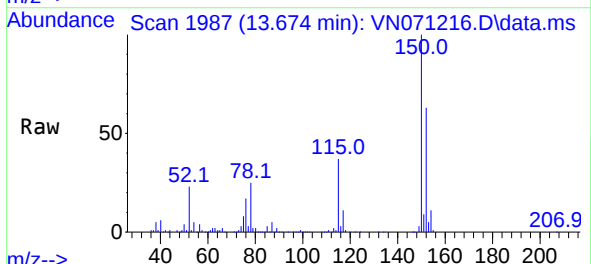
Instrument :
MSVOA_N
ClientSampleId :

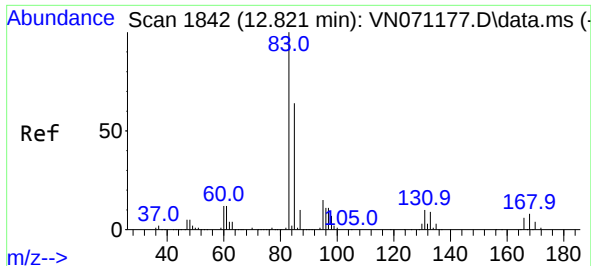
Tgt Ion:173 Resp: 2807
Ion Ratio Lower Upper
173 100
175 862.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion:152 Resp: 405731
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 158.3 0.0 344.4

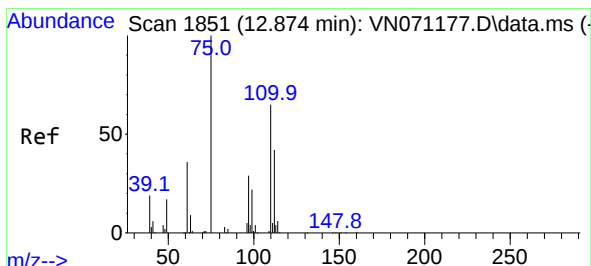
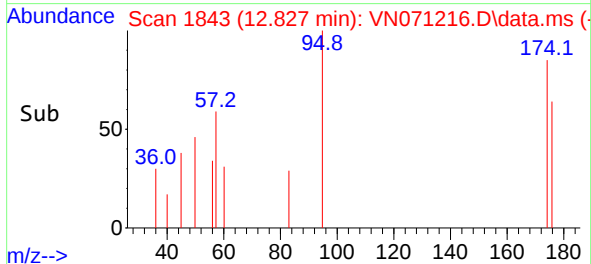
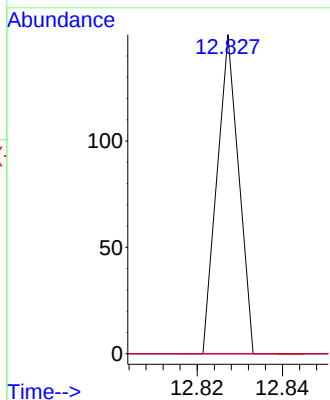
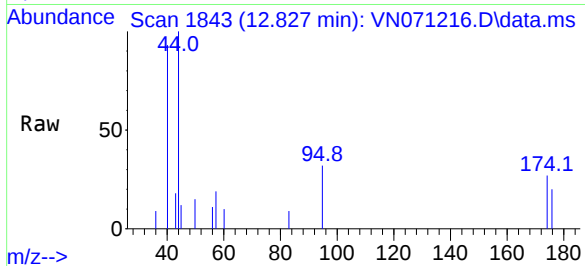




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

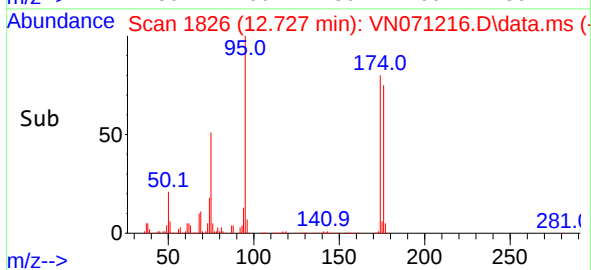
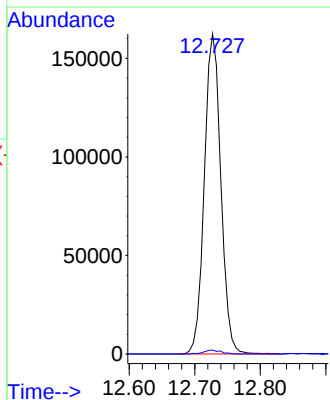
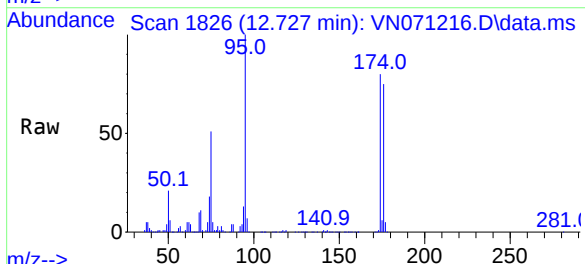
Instrument :
MSVOA_N
ClientSampleId :

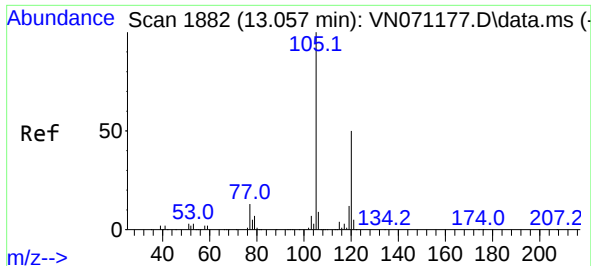
Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.652 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 75 Resp: 284319
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

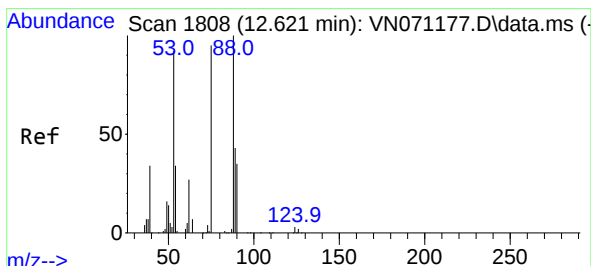
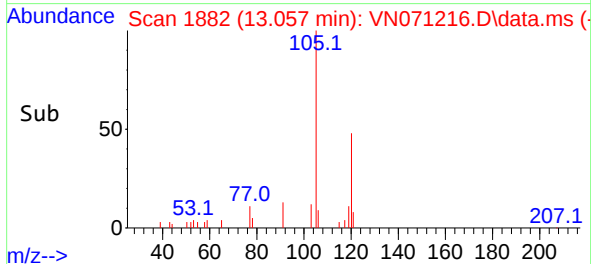
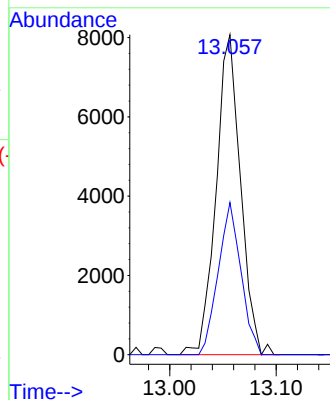
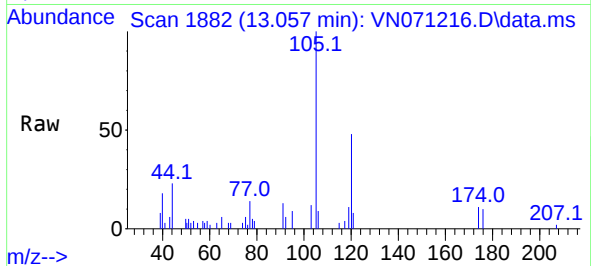




#80
1,3,5-Trimethylbenzene
Concen: 0.423 ug/l
RT: 13.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

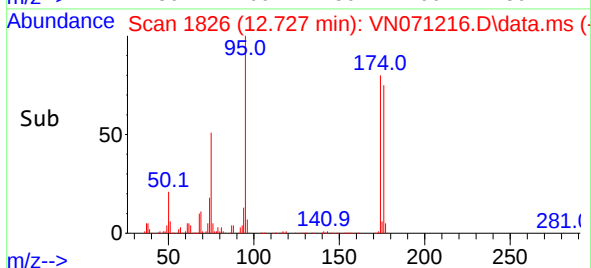
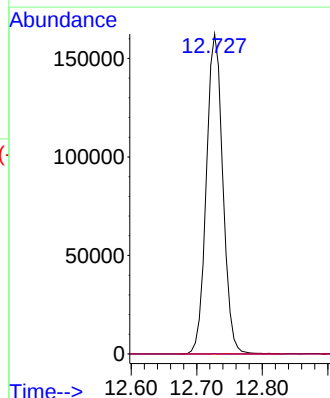
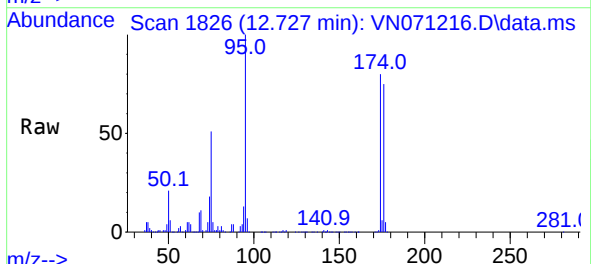
Instrument :
MSVOA_N
ClientSampleId :

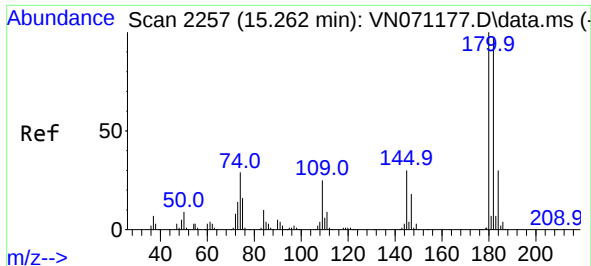
Tgt Ion:105 Resp: 12870
Ion Ratio Lower Upper
105 100
120 44.1 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 75.752 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071216.D
Acq: 09 Mar 2022 17:45

Tgt Ion: 75 Resp: 284319
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.037 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.000 min

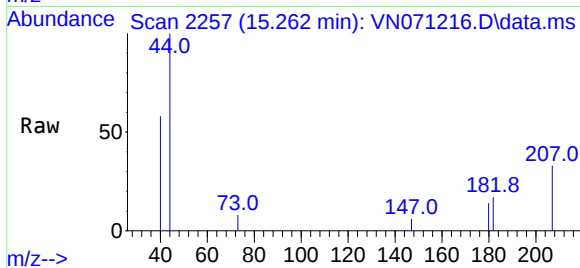
Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

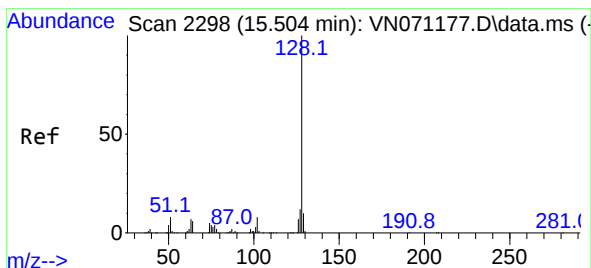
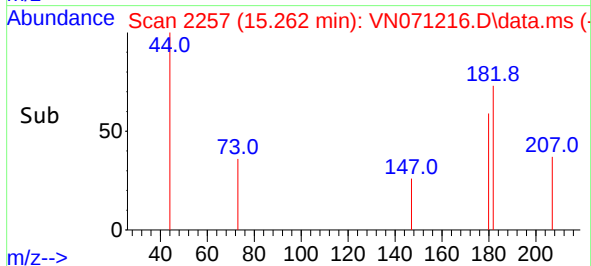
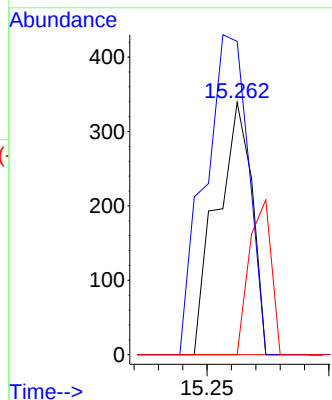
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180	Resp:	341
Ion	Ratio	Lower Upper
180	100	
182	156.6	48.3 144.9#
145	38.4	14.5 43.5



#95

Naphthalene

Concen: 5.108 ug/l

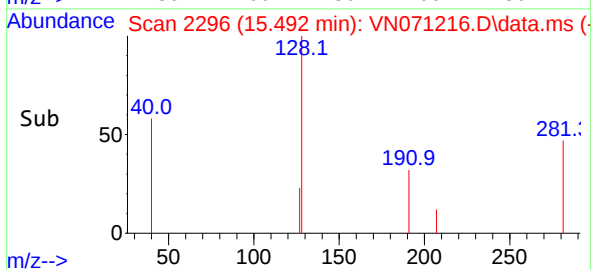
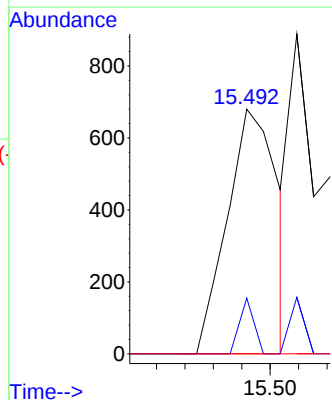
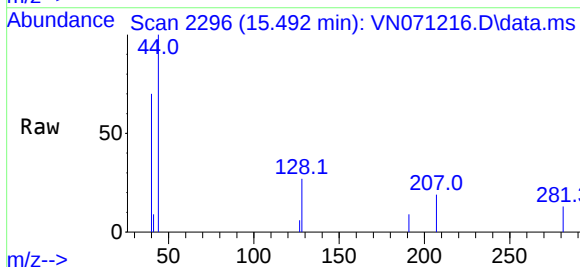
RT: 15.492 min Scan# 2296

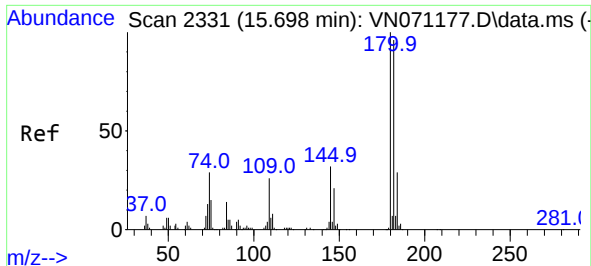
Delta R.T. -0.012 min

Lab File: VN071216.D

Acq: 09 Mar 2022 17:45

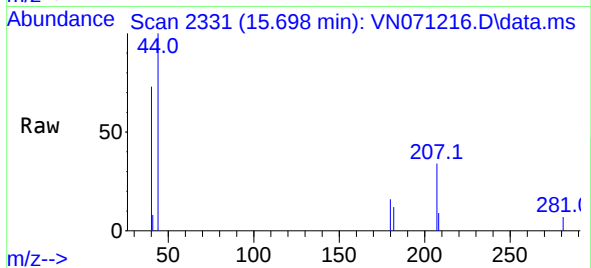
Tgt Ion:128	Resp:	834
Ion	Ratio	Lower Upper
128	100	
127	6.6	10.5 15.7#
129	0.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.788 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071216.D
 Acq: 09 Mar 2022 17:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 379
 Ion Ratio Lower Upper
 180 100
 182 72.8 47.4 142.2
 145 0.0 15.0 45.1#

