

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071214.D
 Acq On : 09 Mar 2022 16:57
 Operator : JC\MD
 Sample : N1834-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 00:58:04 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

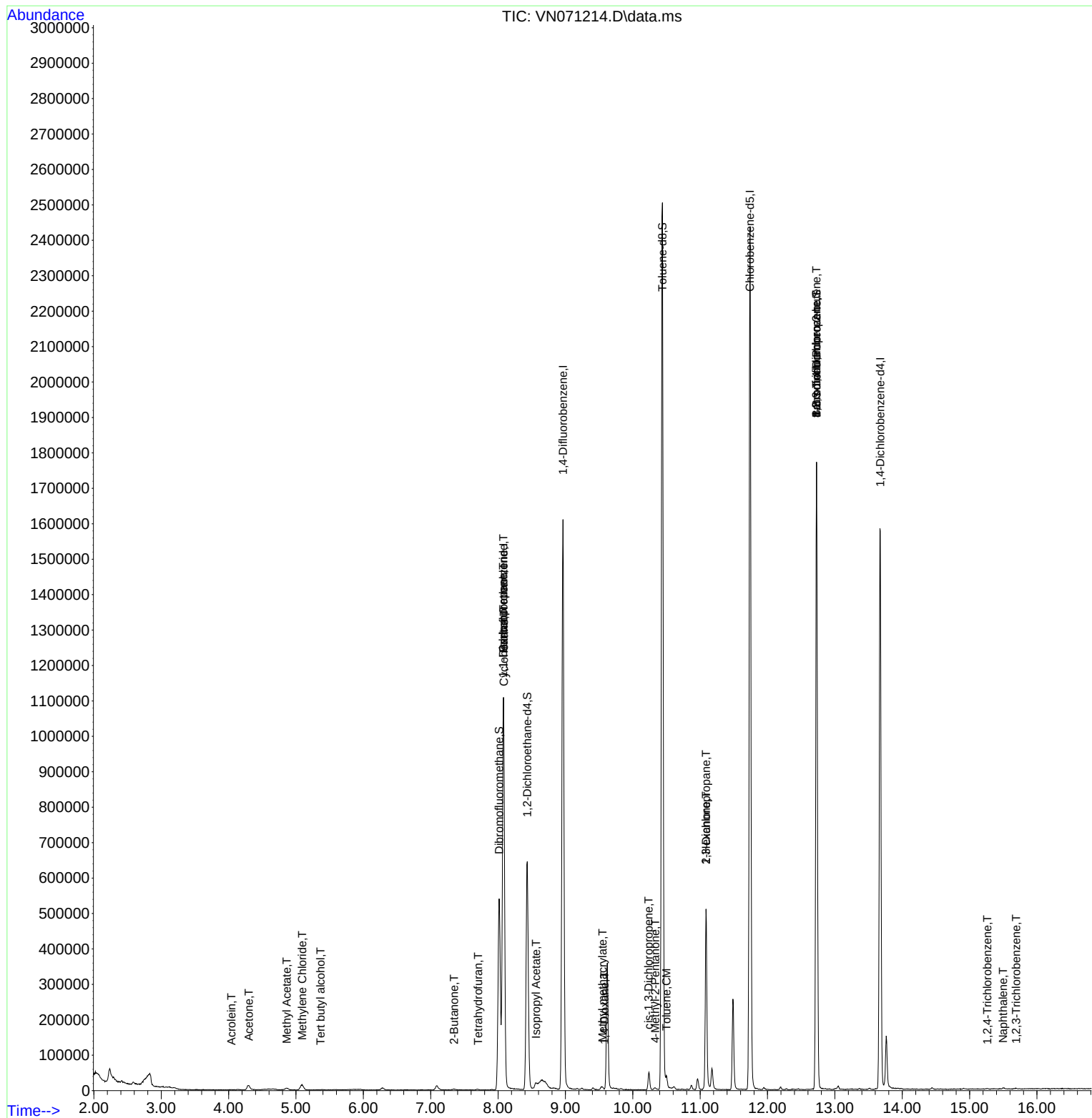
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	864306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1396532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1388531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	452549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	533610	45.047	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.100%
35) Dibromofluoromethane	8.016	113	400737	45.473	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.940%
50) Toluene-d8	10.439	98	1759110	49.577	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.727	95	619334	51.546	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.816	94	1294	Below Cal	#	78
11) Tert butyl alcohol	5.363	59	538	0.231	ug/l #	71
13) Acrolein	4.040	56	1082	0.439	ug/l #	60
16) Acetone	4.298	43	20530	3.562	ug/l	92
18) Methyl Acetate	4.863	43	11650	1.216	ug/l #	87
20) Methylene Chloride	5.092	84	12021	1.514	ug/l #	91
25) 2-Butanone	7.345	43	5391	0.581	ug/l	98
29) Tetrahydrofuran	7.704	42	1688	0.262	ug/l #	72
31) Cyclohexane	8.086	56	17237	0.911	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	67929	4.811	ug/l #	49
38) Carbon Tetrachloride	8.080	117	85986	6.296	ug/l #	17
43) Isopropyl Acetate	8.563	43	17164	0.591	ug/l #	73
48) Methyl methacrylate	9.551	41	3535	0.263	ug/l #	36
49) 1,4-Dioxane	9.580	88	54	0.231	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	6406	0.355	ug/l #	75
52) Toluene	10.498	92	9730	0.371	ug/l	94
54) cis-1,3-Dichloropropene	10.233	75	8504	0.497	ug/l #	71
57) 1,3-Dichloropropane	11.086	76	4904	0.260	ug/l #	43
59) 2-Hexanone	11.086	43	84634	6.878	ug/l #	52
71) Bromoform	12.727	173	3842	0.463	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.733	83	710	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	321359	28.061	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	321359	76.762	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	723	3.081	ug/l #	67
95) Naphthalene	15.498	128	3755	5.230	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.692	180	851	2.845	ug/l #	69

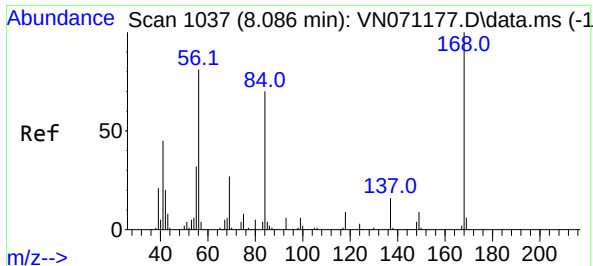
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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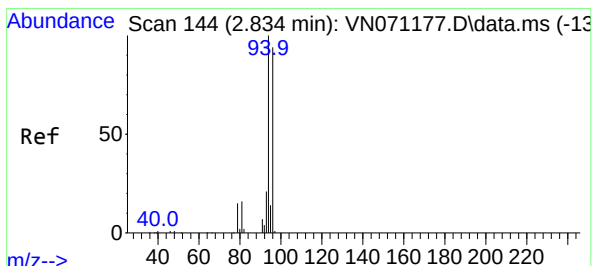
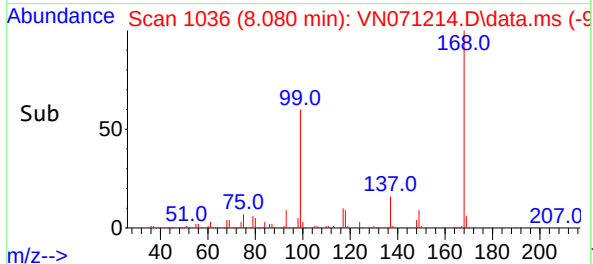
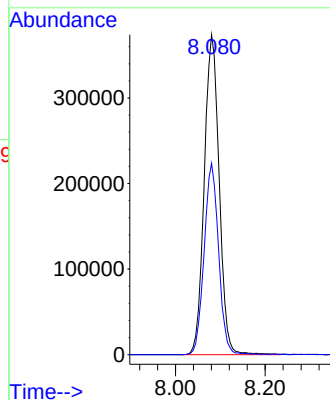
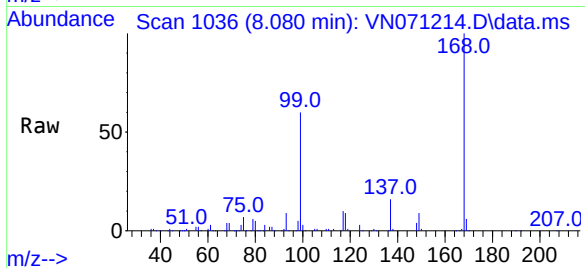




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

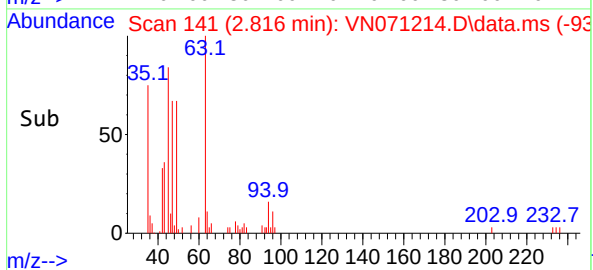
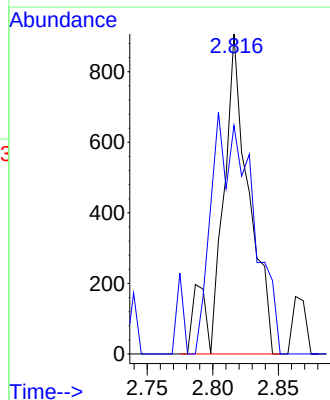
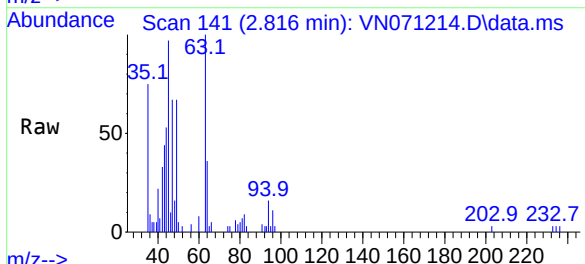
Instrument :
MSVOA_N
ClientSampleId :

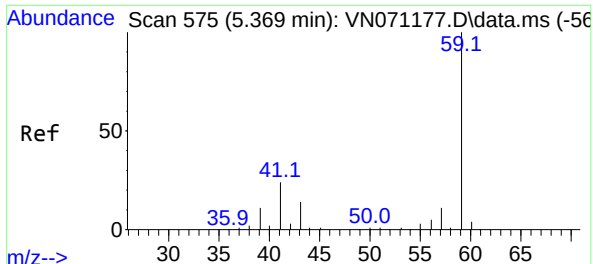
Tgt Ion:168 Resp: 864306
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.816 min Scan# 141
Delta R.T. -0.018 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 94 Resp: 1294
Ion Ratio Lower Upper
94 100
96 71.3 73.8 110.8#

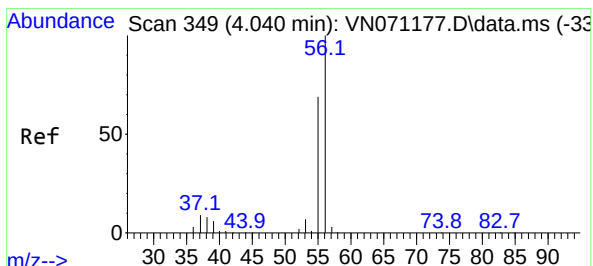
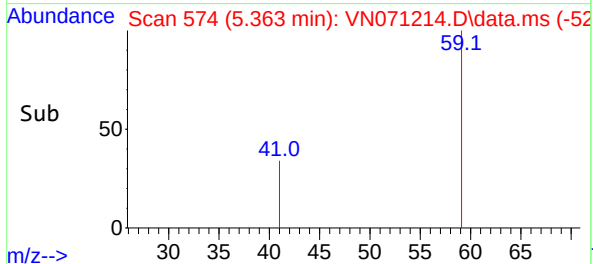
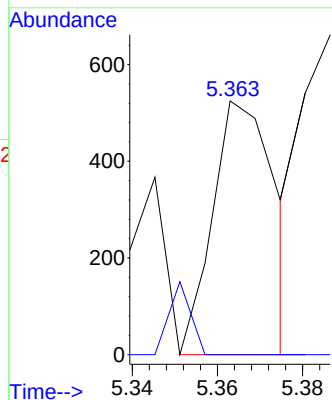
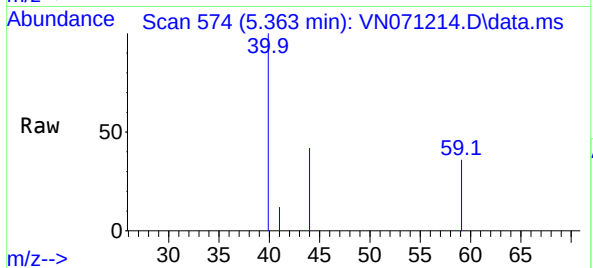




#11
Tert butyl alcohol
Concen: 0.231 ug/l
RT: 5.363 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

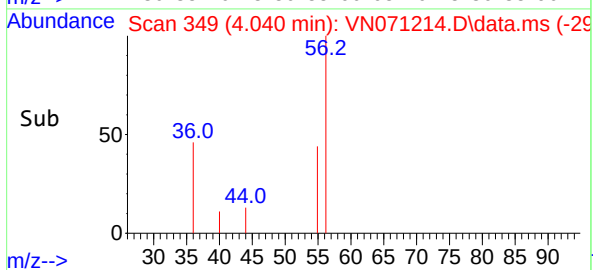
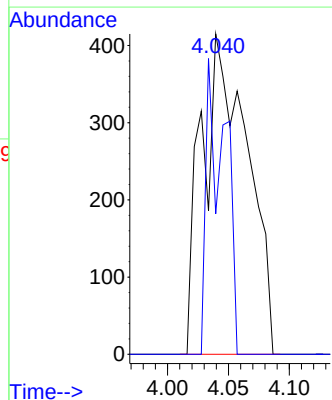
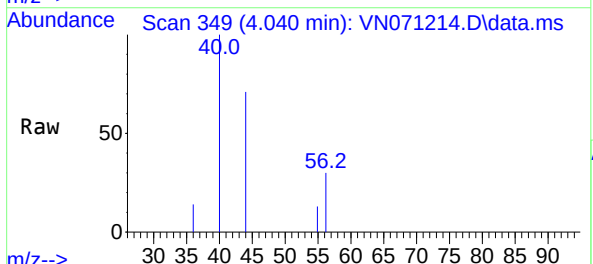
Instrument :
MSVOA_N
ClientSampleId :

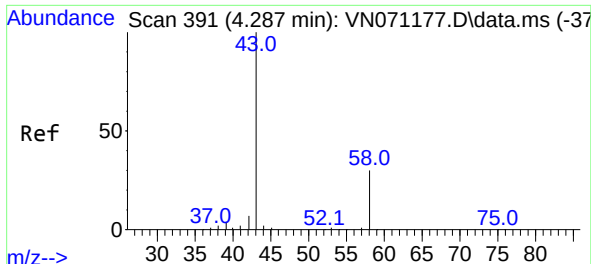
Tgt Ion: 59 Resp: 538
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.439 ug/l
RT: 4.040 min Scan# 349
Delta R.T. -0.000 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 56 Resp: 1082
Ion Ratio Lower Upper
56 100
55 38.0 56.6 85.0#

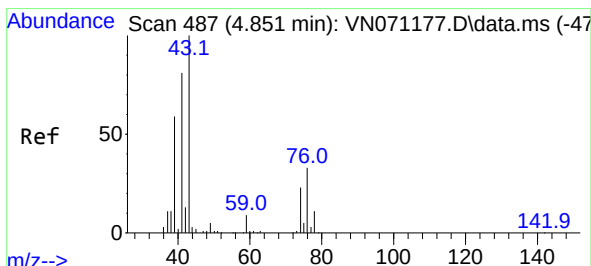
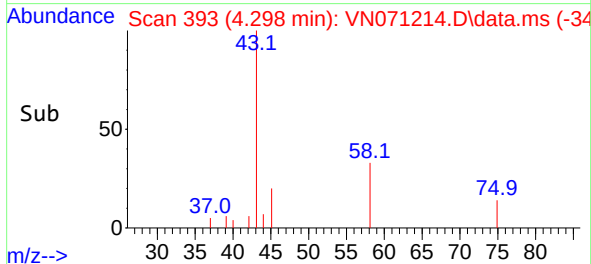
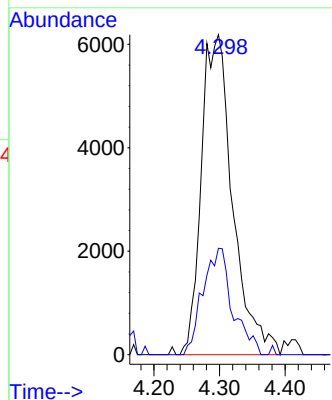
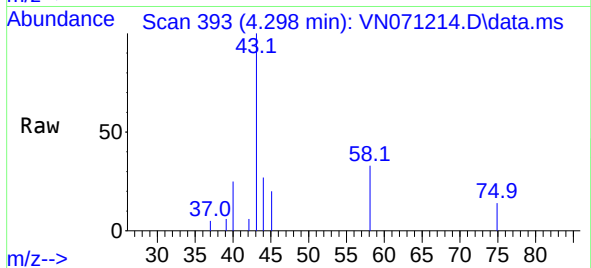




#16
Acetone
Concen: 3.562 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

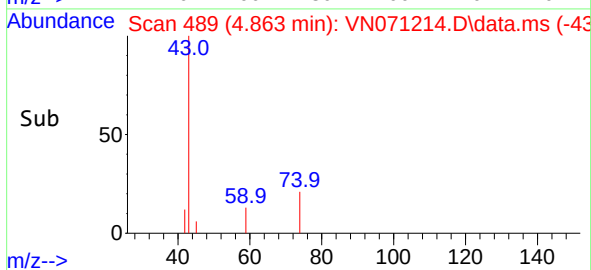
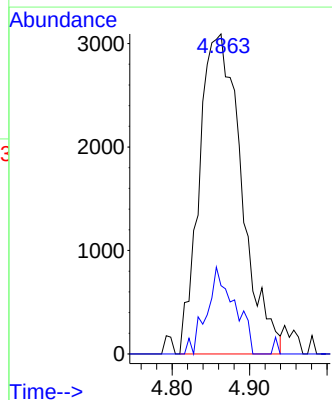
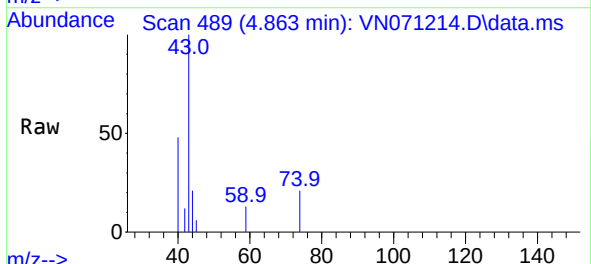
Instrument :
MSVOA_N
ClientSampleId :

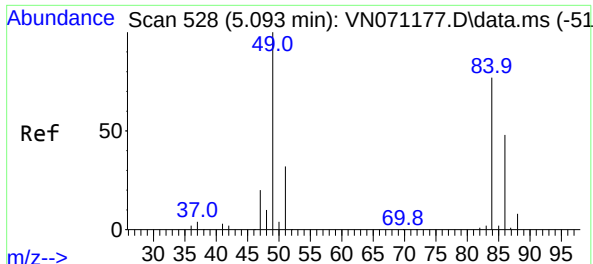
Tgt Ion: 43 Resp: 20530
Ion Ratio Lower Upper
43 100
58 33.2 23.1 34.7



#18
Methyl Acetate
Concen: 1.216 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 43 Resp: 11650
Ion Ratio Lower Upper
43 100
74 18.0 19.4 29.2#





#20

Methylene Chloride

Concen: 1.514 ug/l

RT: 5.092 min Scan# 51

Delta R.T. -0.001 min

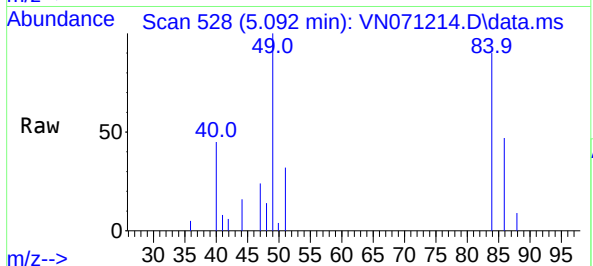
Lab File: VN071214.D

Acq: 09 Mar 2022 16:57

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 12021

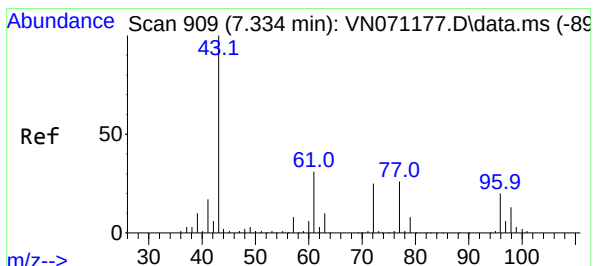
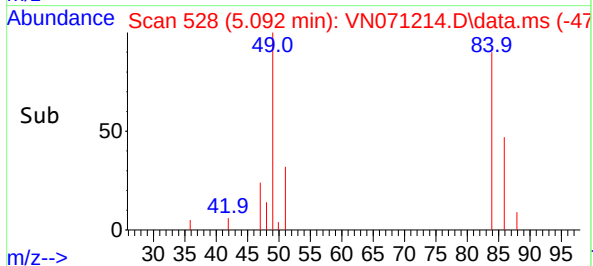
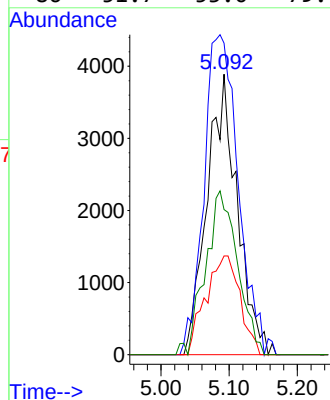
Ion Ratio Lower Upper

84 100

49 111.1 93.5 140.3

51 35.2 29.4 44.2

86 51.7 53.0 79.4#



#25

2-Butanone

Concen: 0.581 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.012 min

Lab File: VN071214.D

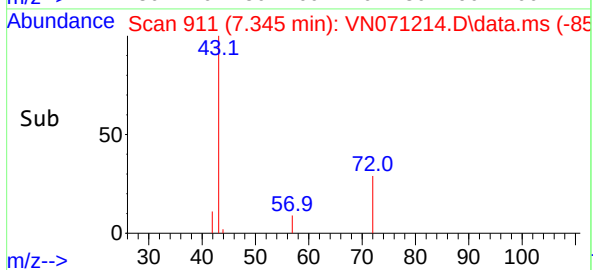
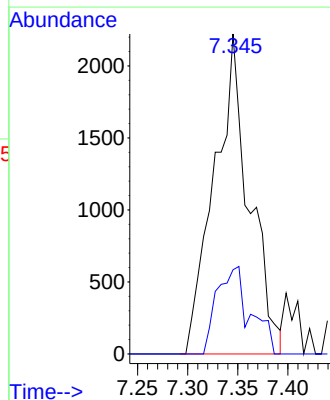
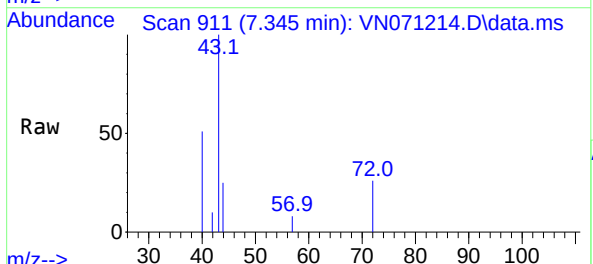
Acq: 09 Mar 2022 16:57

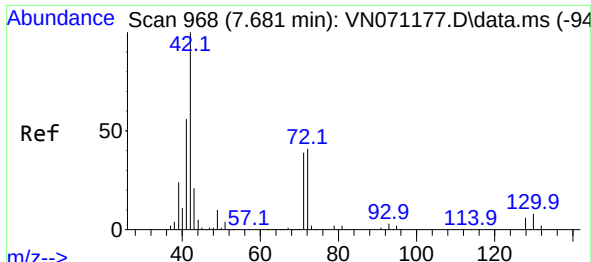
Tgt Ion: 43 Resp: 5391

Ion Ratio Lower Upper

43 100

72 26.3 21.7 32.5

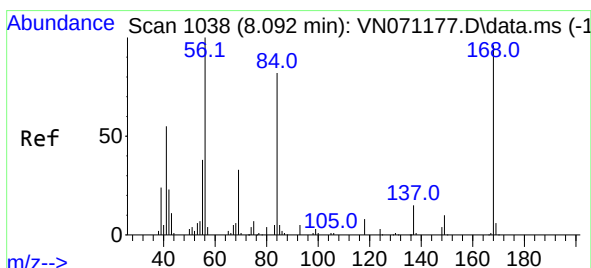
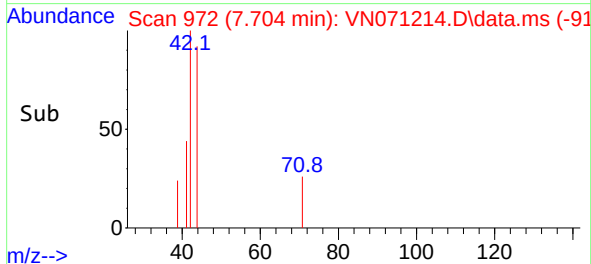
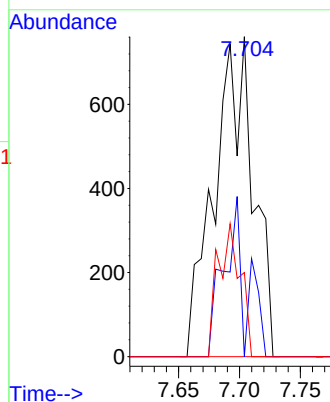
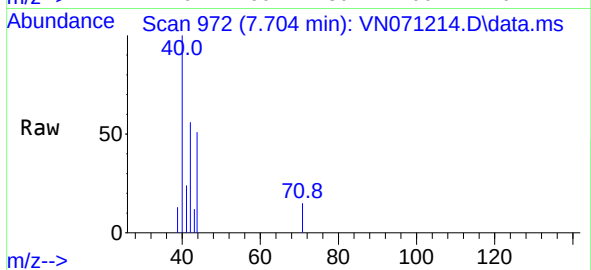




#29
Tetrahydrofuran
Concen: 0.262 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

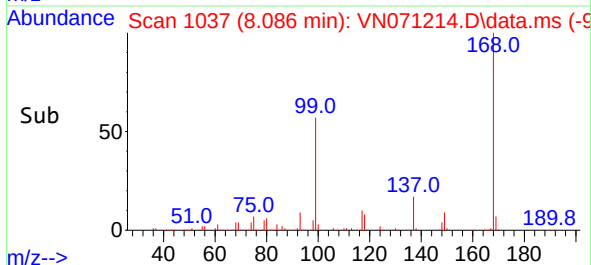
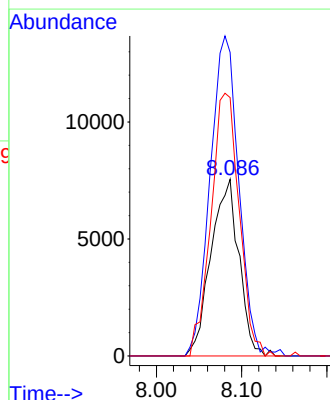
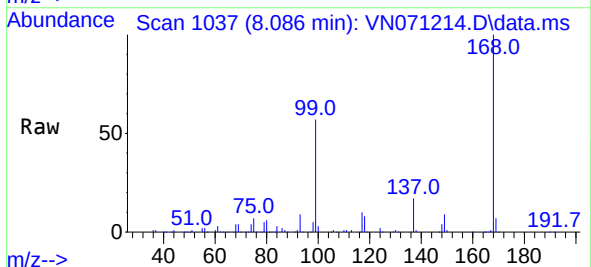
Instrument :
MSVOA_N
ClientSampleId :

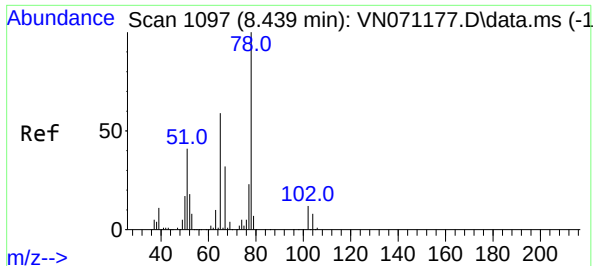
Tgt Ion: 42 Resp: 1688
Ion Ratio Lower Upper
42 100
72 28.9 36.3 54.5#
71 23.9 34.7 52.1#



#31
Cyclohexane
Concen: 0.911 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 56 Resp: 17237
Ion Ratio Lower Upper
56 100
69 171.9 27.1 40.7#
84 146.3 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.047 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071214.D

Acq: 09 Mar 2022 16:57

Instrument :

MSVOA_N

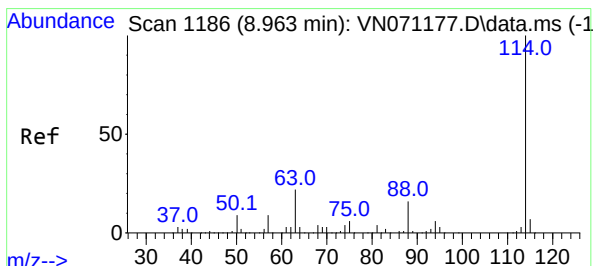
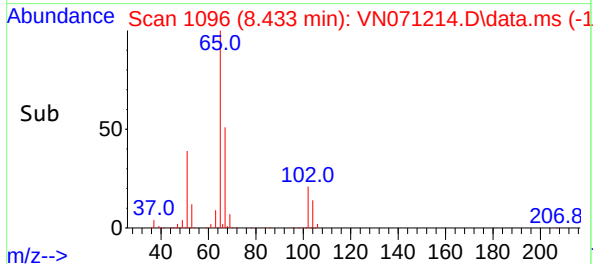
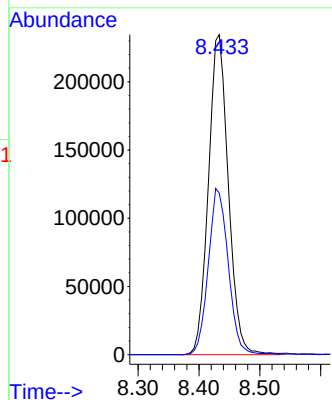
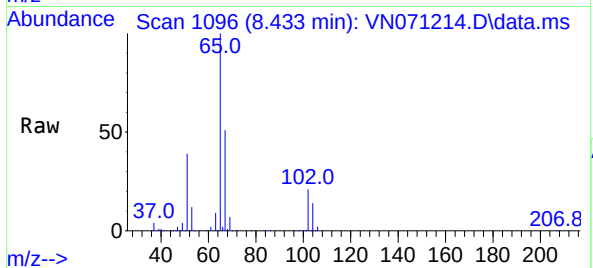
ClientSampleId :

Tgt Ion: 65 Resp: 533610

Ion Ratio Lower Upper

65 100

67 52.0 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: VN071214.D

Acq: 09 Mar 2022 16:57

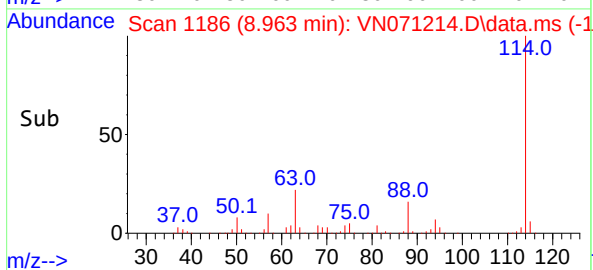
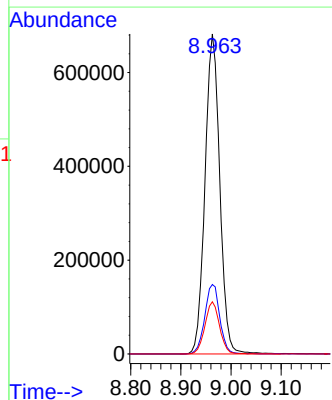
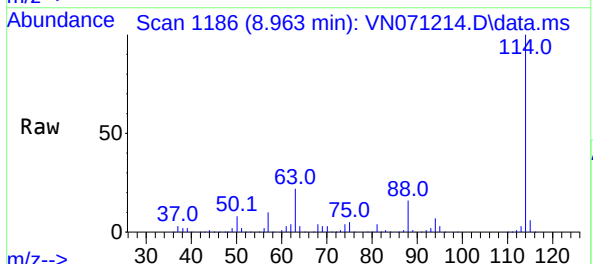
Tgt Ion: 114 Resp: 1396532

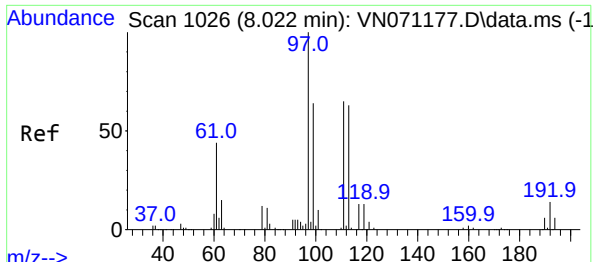
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

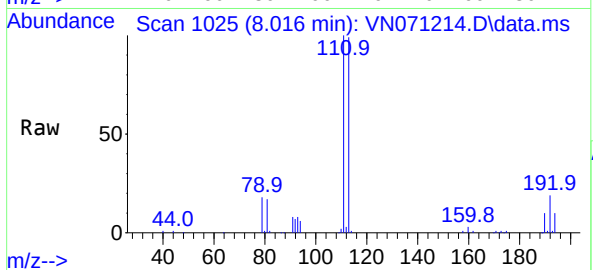
88 16.3 0.0 27.4



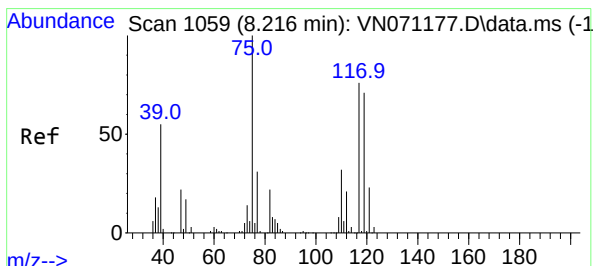
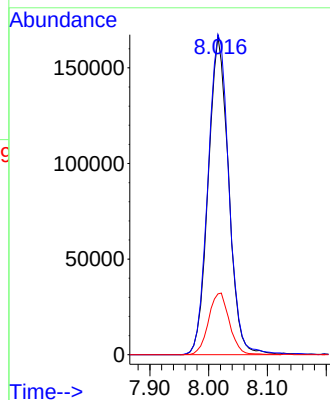
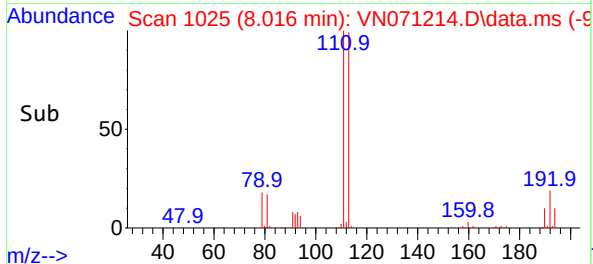


#35
Dibromofluoromethane
Concen: 45.473 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Instrument :
MSVOA_N
ClientSampleId :

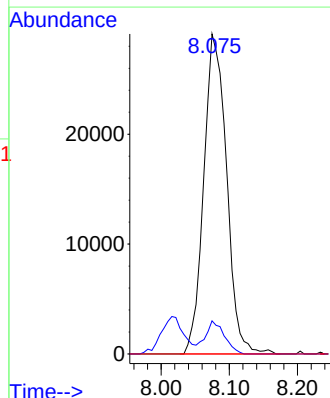
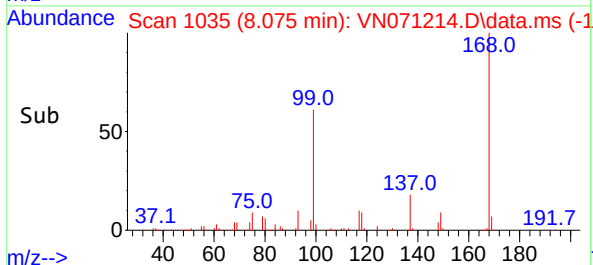
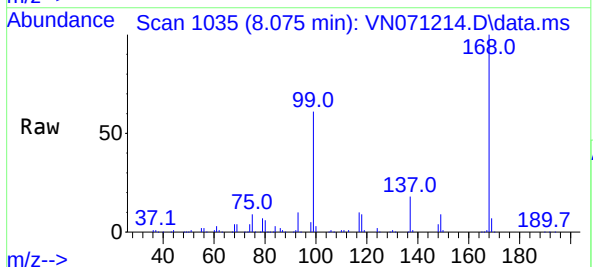


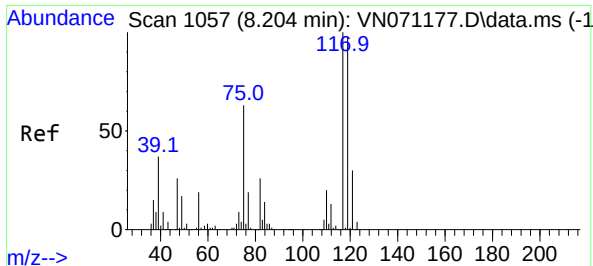
Tgt Ion:113 Resp: 400737
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.141 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

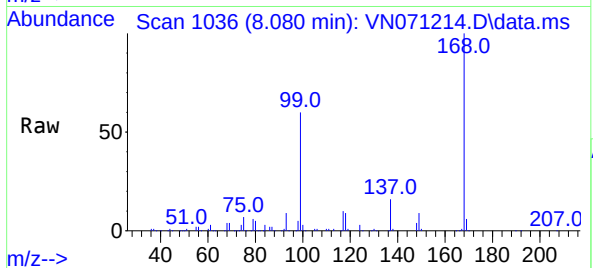
Tgt Ion: 75 Resp: 67929
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



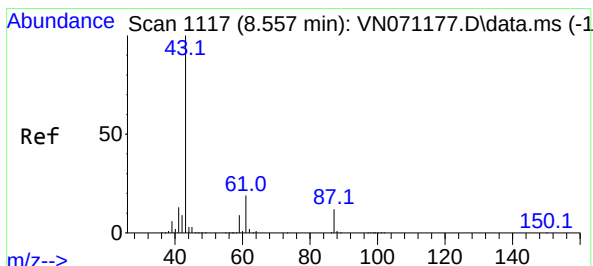
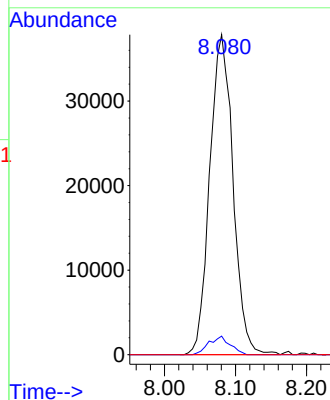
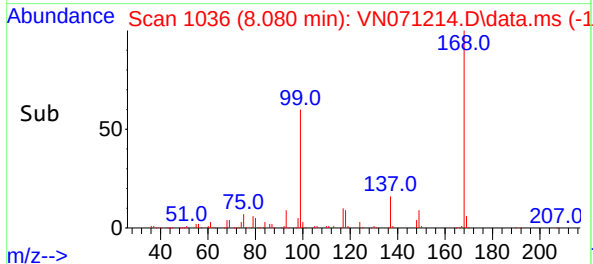


#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Instrument :
MSVOA_N
ClientSampleId :

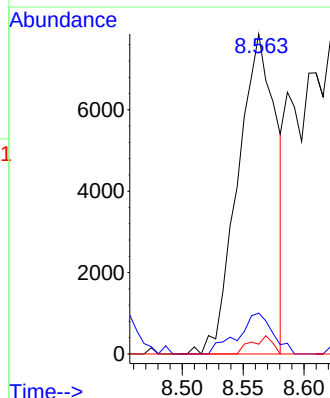
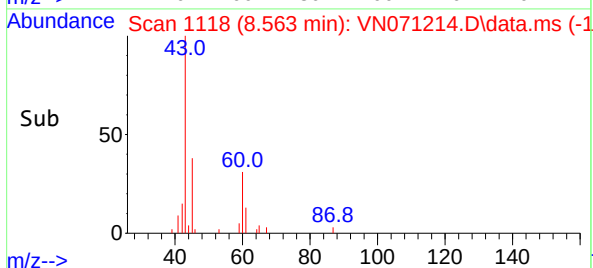
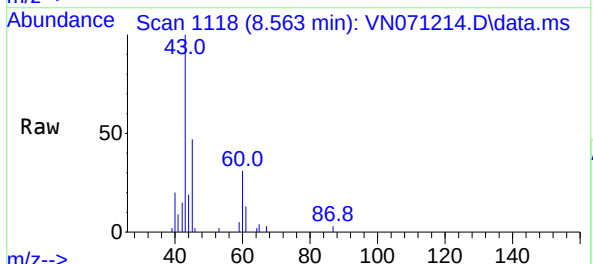


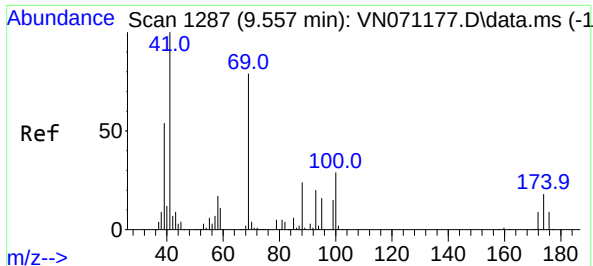
Tgt Ion:117 Resp: 85986
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.591 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 43 Resp: 17164
Ion Ratio Lower Upper
43 100
61 11.5 20.4 30.6#
87 3.1 11.2 16.8#

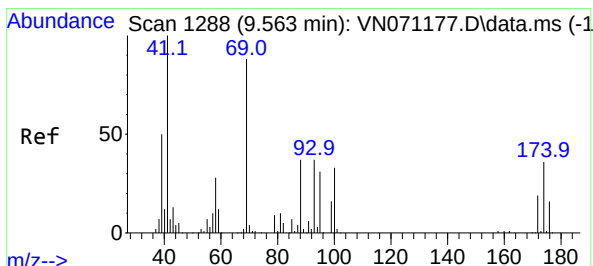
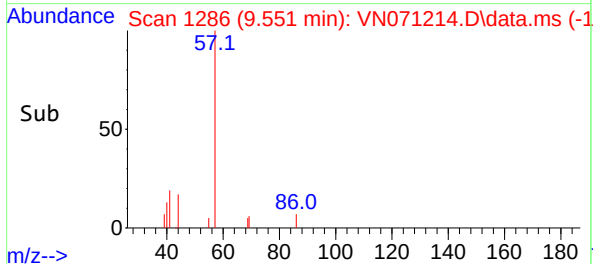
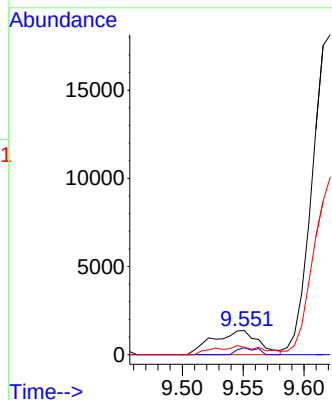
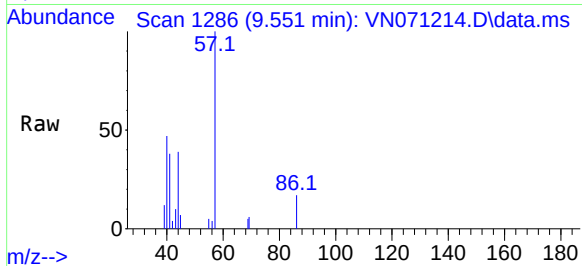




#48
Methyl methacrylate
Concen: 0.263 ug/l
RT: 9.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

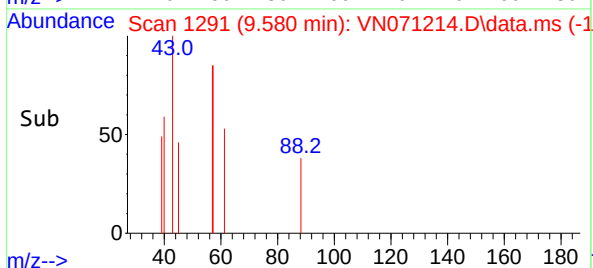
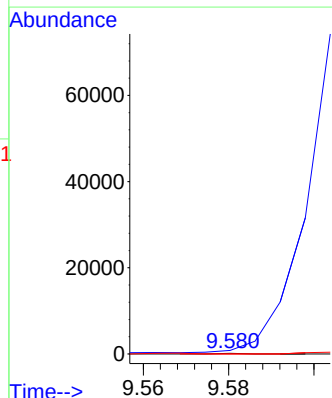
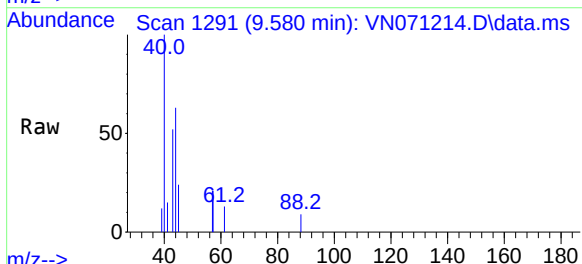
Instrument :
MSVOA_N
ClientSampleId :

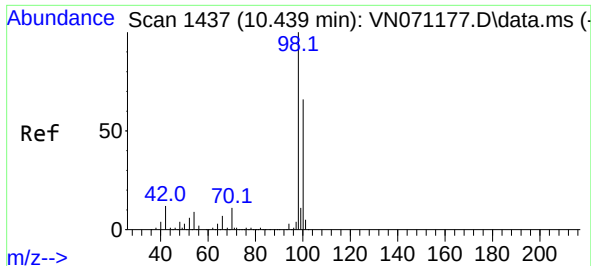
Tgt Ion: 41 Resp: 3535
Ion Ratio Lower Upper
41 100
69 12.7 72.4 108.6#
39 38.2 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.231 ug/l
RT: 9.580 min Scan# 1291
Delta R.T. 0.017 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 213.0 50.6 75.8#

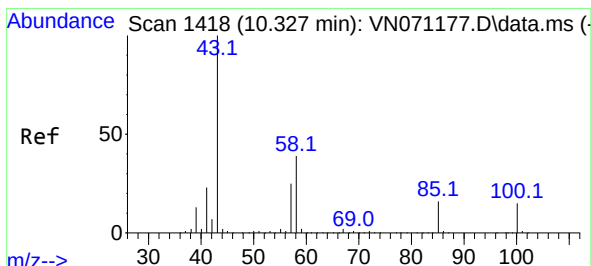
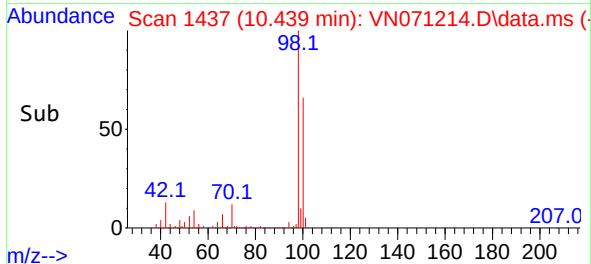
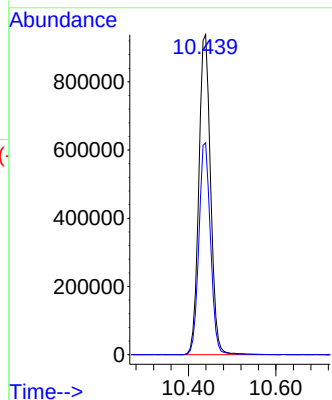
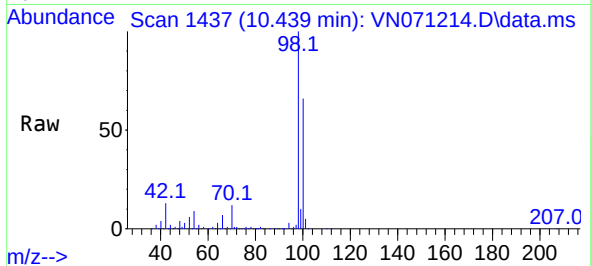




#50
Toluene-d8
Concen: 49.577 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

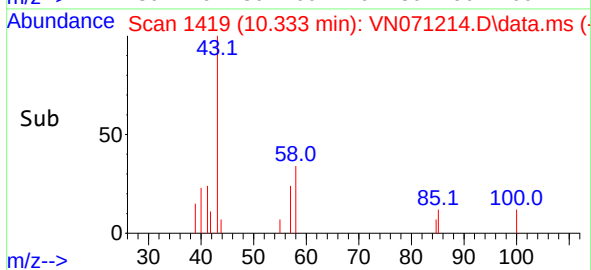
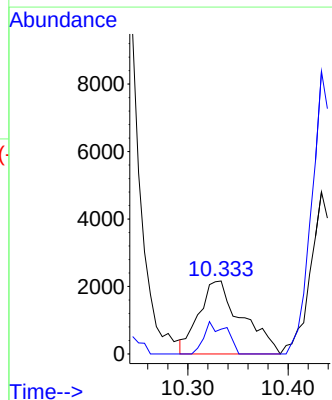
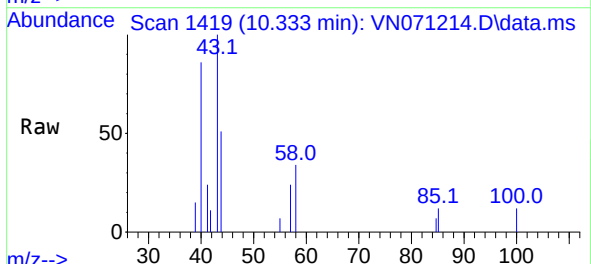
Instrument :
MSVOA_N
ClientSampleId :

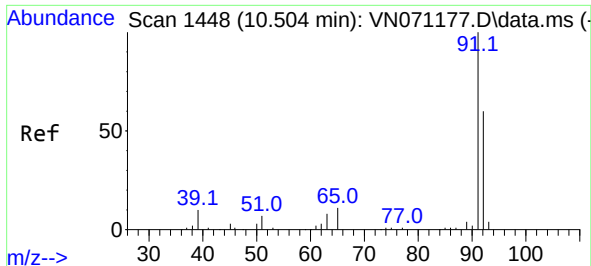
Tgt Ion: 98 Resp: 1759110
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.355 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 43 Resp: 6406
Ion Ratio Lower Upper
43 100
58 22.9 30.4 45.6#

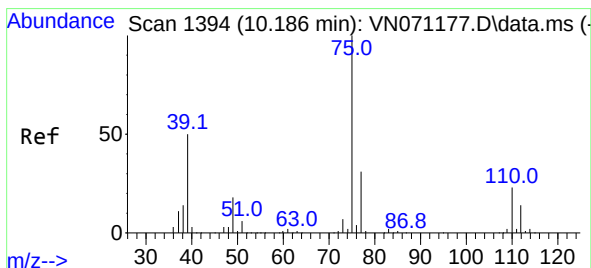
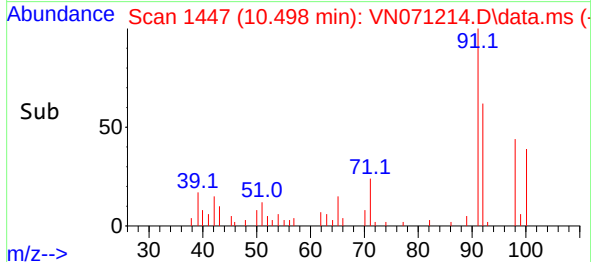
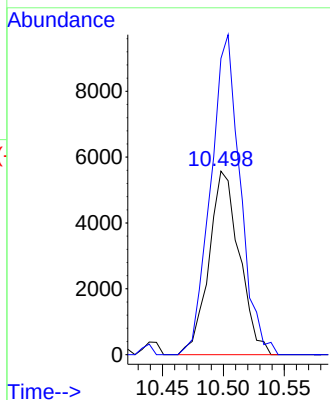
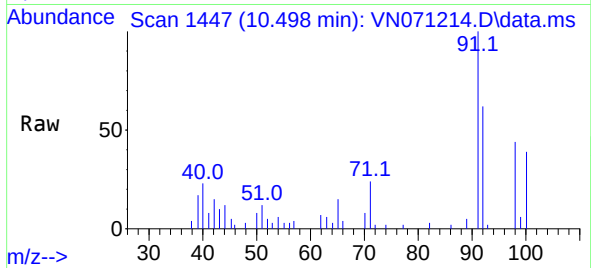




#52
Toluene
Concen: 0.371 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

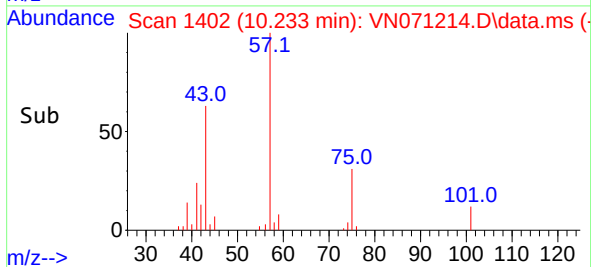
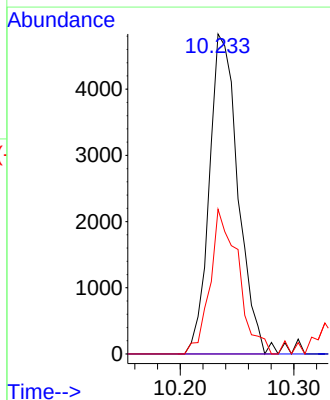
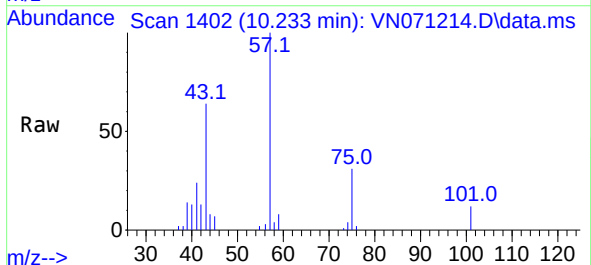
Instrument :
MSVOA_N
ClientSampleId :

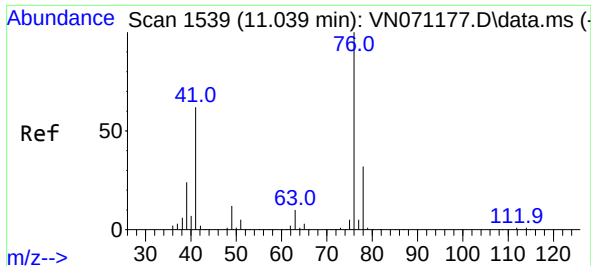
Tgt Ion: 92 Resp: 9730
Ion Ratio Lower Upper
92 100
91 169.0 142.0 213.0



#54
cis-1,3-Dichloropropene
Concen: 0.497 ug/l
RT: 10.233 min Scan# 1402
Delta R.T. 0.047 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 75 Resp: 8504
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 45.2 42.5 63.7





#57

1,3-Dichloropropane

Concen: 0.260 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071214.D

Acq: 09 Mar 2022 16:57

Instrument :

MSVOA_N

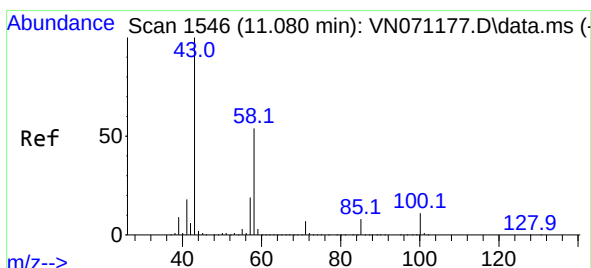
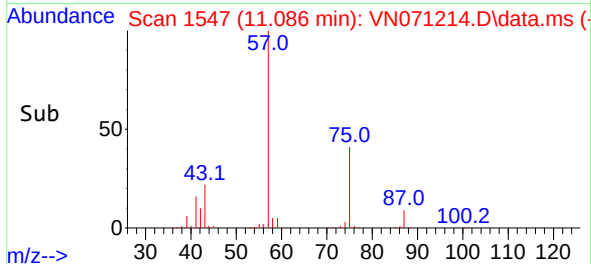
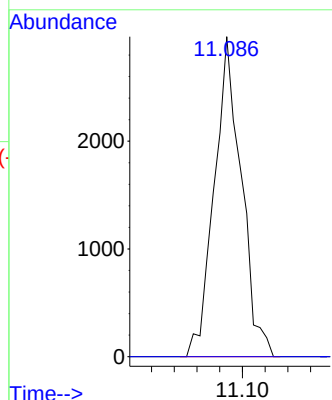
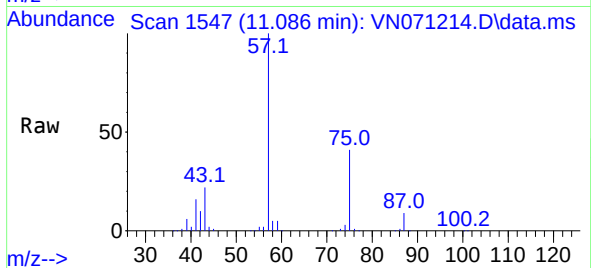
ClientSampleId :

Tgt Ion: 76 Resp: 4904

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 6.878 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071214.D

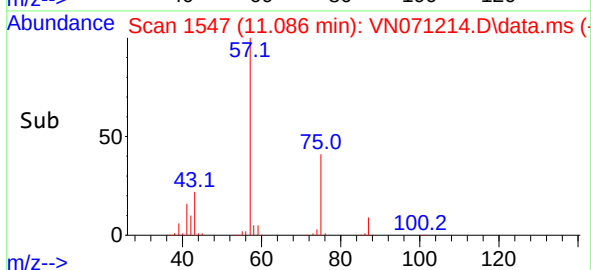
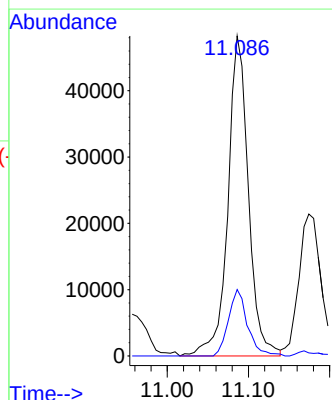
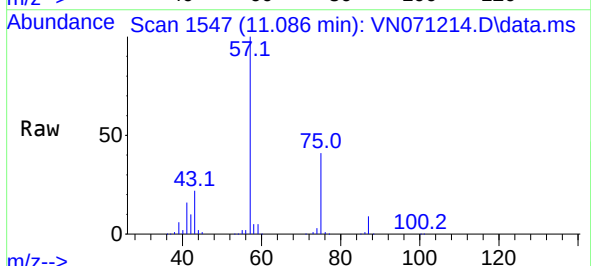
Acq: 09 Mar 2022 16:57

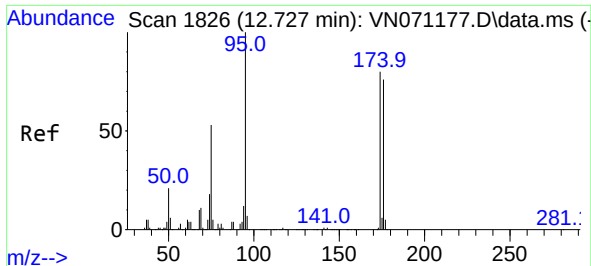
Tgt Ion: 43 Resp: 84634

Ion Ratio Lower Upper

43 100

58 19.3 26.9 80.7#

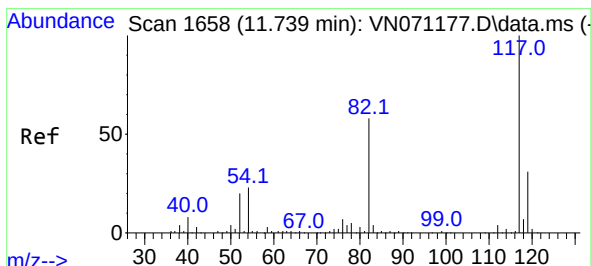
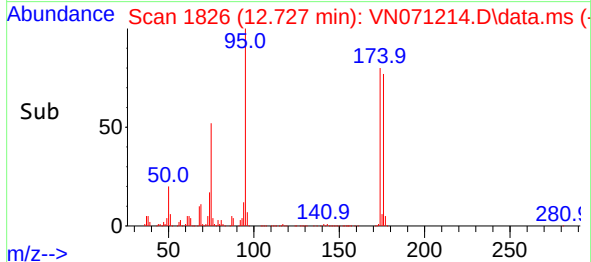
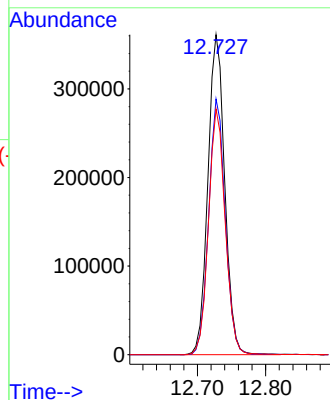
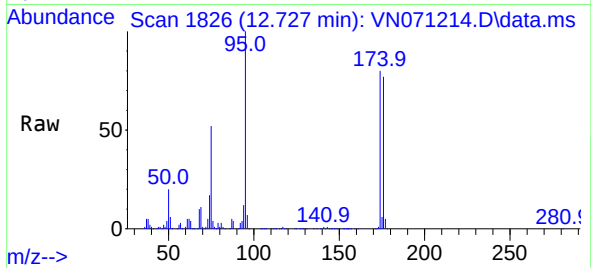




#62
4-Bromofluorobenzene
Concen: 51.546 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

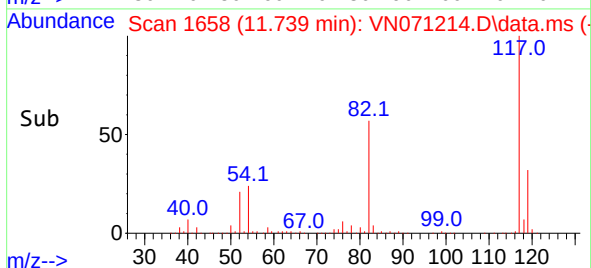
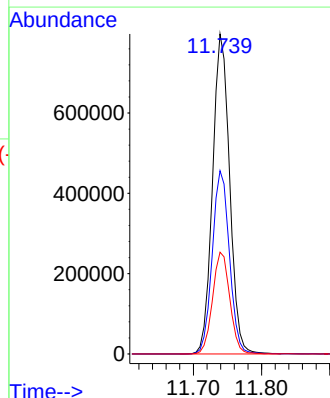
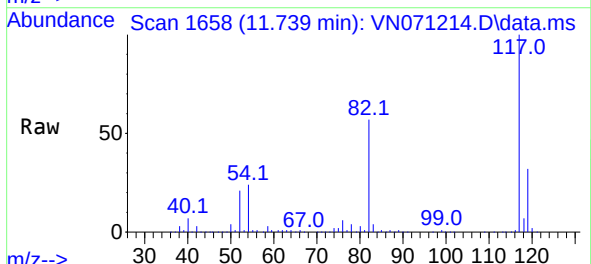
Instrument :
MSVOA_N
ClientSampleId :

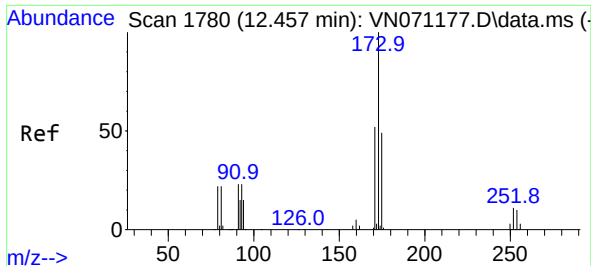
Tgt Ion: 95 Resp: 619334
Ion Ratio Lower Upper
95 100
174 79.1 0.0 187.2
176 76.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 117 Resp: 1388531
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 31.8 25.4 38.2

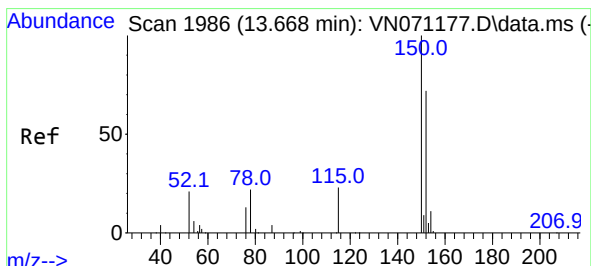
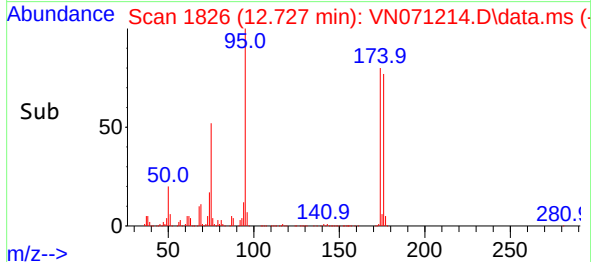
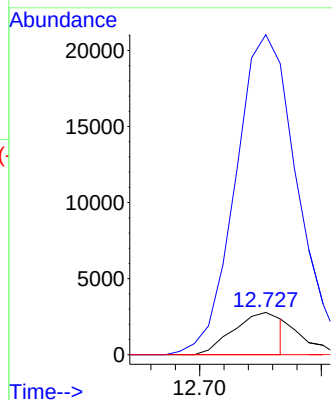
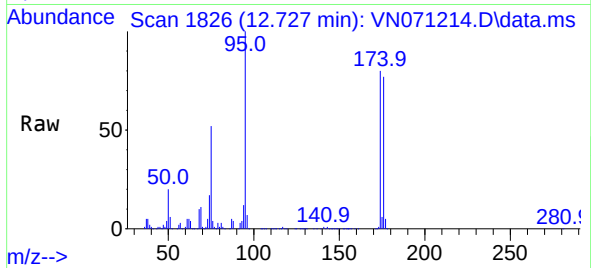




#71
Bromoform
Concen: 0.463 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

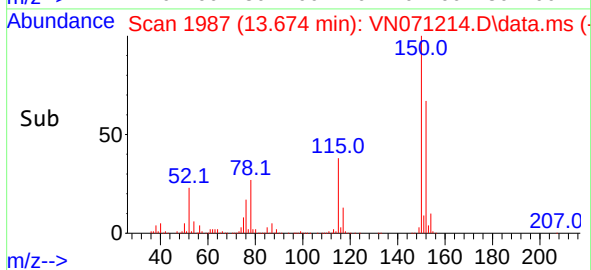
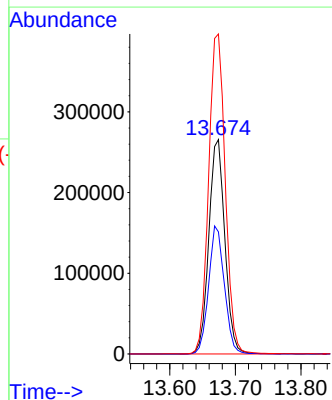
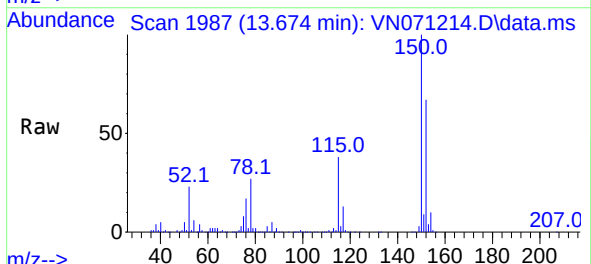
Instrument :
MSVOA_N
ClientSampleId :

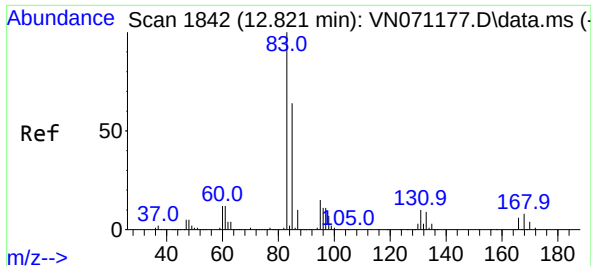
Tgt Ion:173 Resp: 3842
Ion Ratio Lower Upper
173 100
175 741.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion:152 Resp: 452549
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 154.7 0.0 344.4

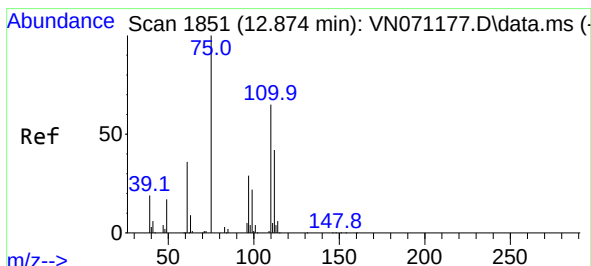
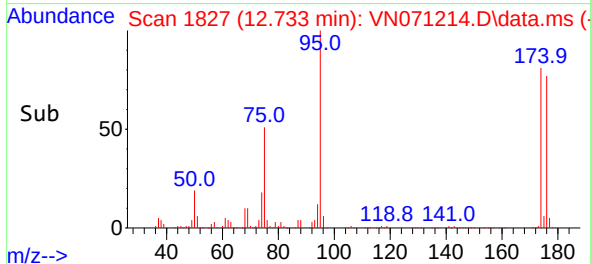
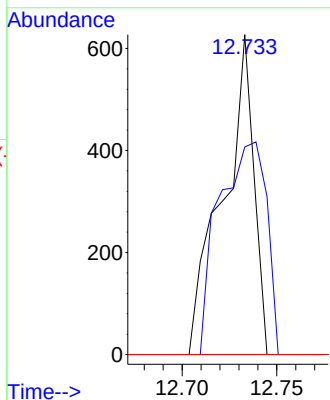
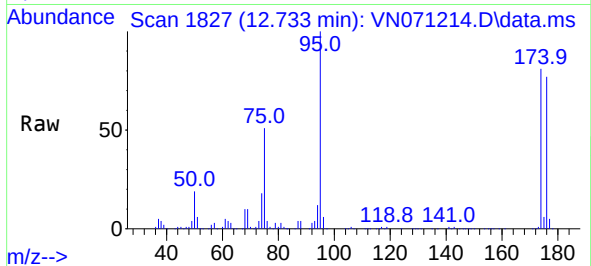




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.088 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

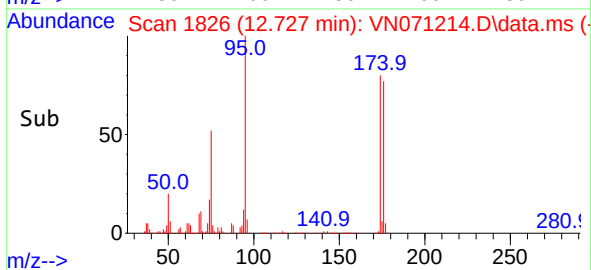
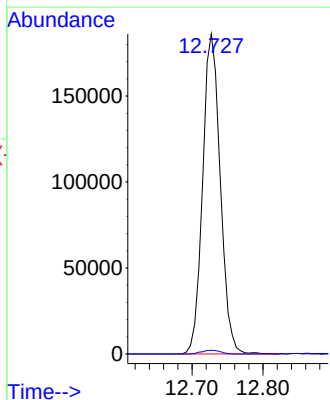
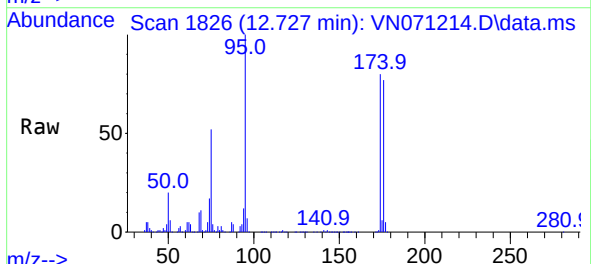
Instrument :
MSVOA_N
ClientSampleId :

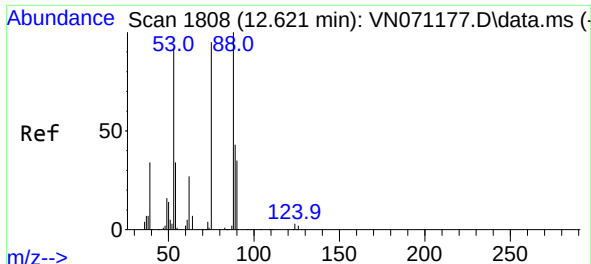
Tgt Ion: 83 Resp: 710
Ion Ratio Lower Upper
83 100
131 102.4 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 28.061 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

Tgt Ion: 75 Resp: 321359
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

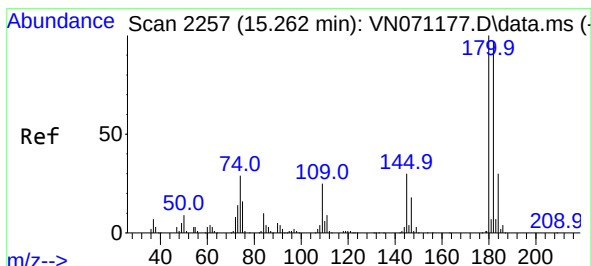
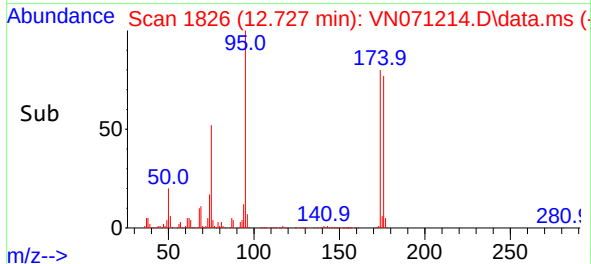
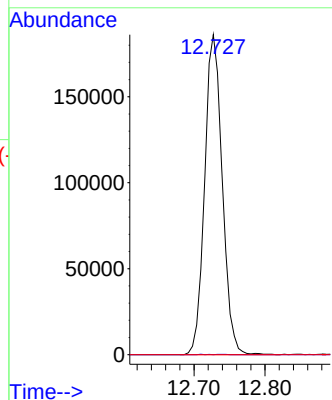
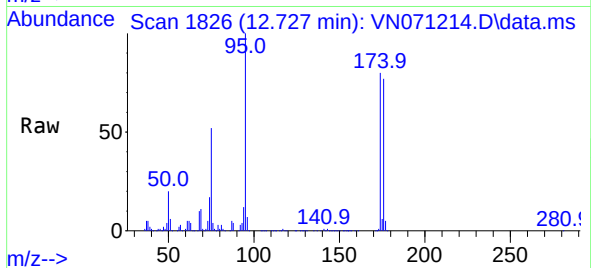




#81
trans-1,4-Dichloro-2-butene
Concen: 76.762 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

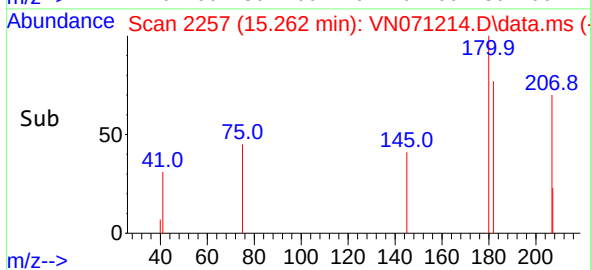
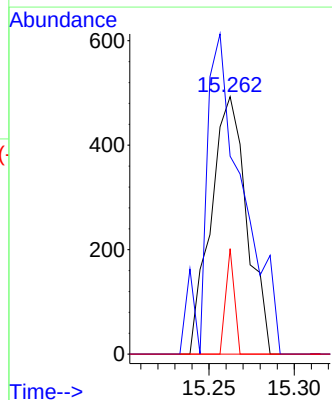
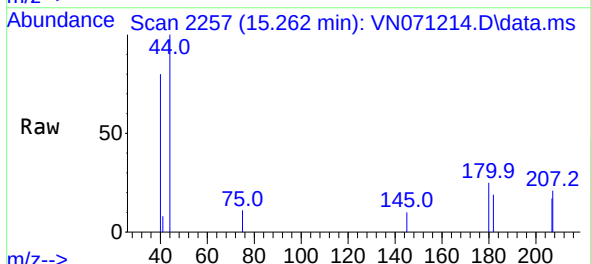
Instrument :
MSVOA_N
ClientSampleId :

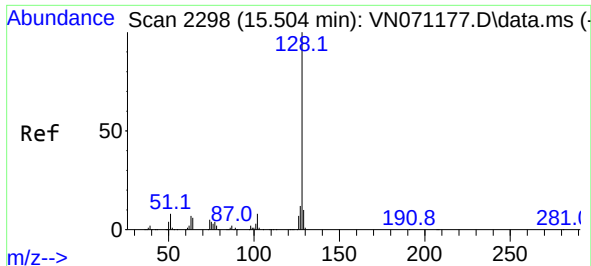
Tgt Ion: 75 Resp: 321359
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.081 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

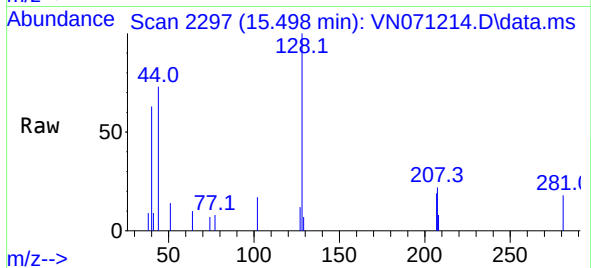
Tgt Ion:180 Resp: 723
Ion Ratio Lower Upper
180 100
182 128.2 48.3 144.9
145 9.8 14.5 43.5#



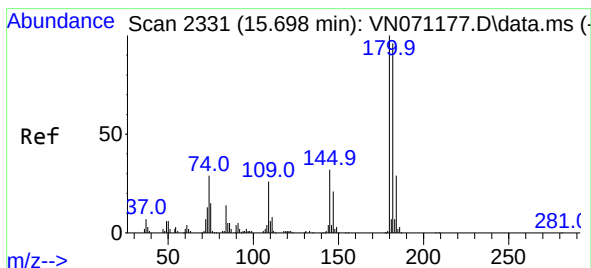
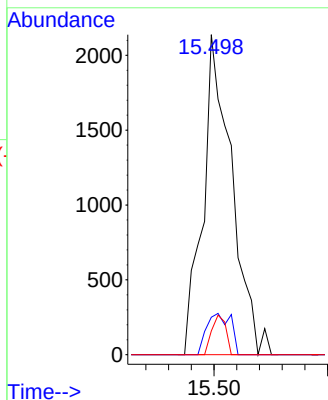
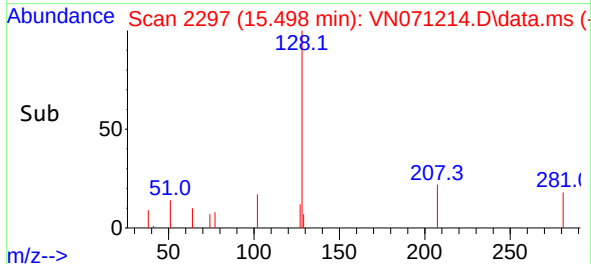


#95
Naphthalene
Concen: 5.230 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57

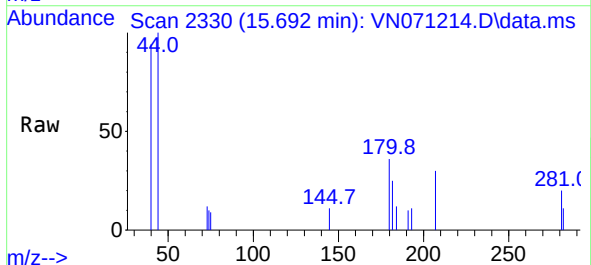
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3755
Ion Ratio Lower Upper
128 100
127 10.8 10.5 15.7
129 6.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.845 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071214.D
Acq: 09 Mar 2022 16:57



Tgt Ion:180 Resp: 851
Ion Ratio Lower Upper
180 100
182 67.9 47.4 142.2
145 8.2 15.0 45.1#

