

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071499.D
 Acq On : 23 Mar 2022 05:49
 Operator : JC\MD
 Sample : N1968-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G-3-1-0-1

Quant Time: Mar 23 07:17:03 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)

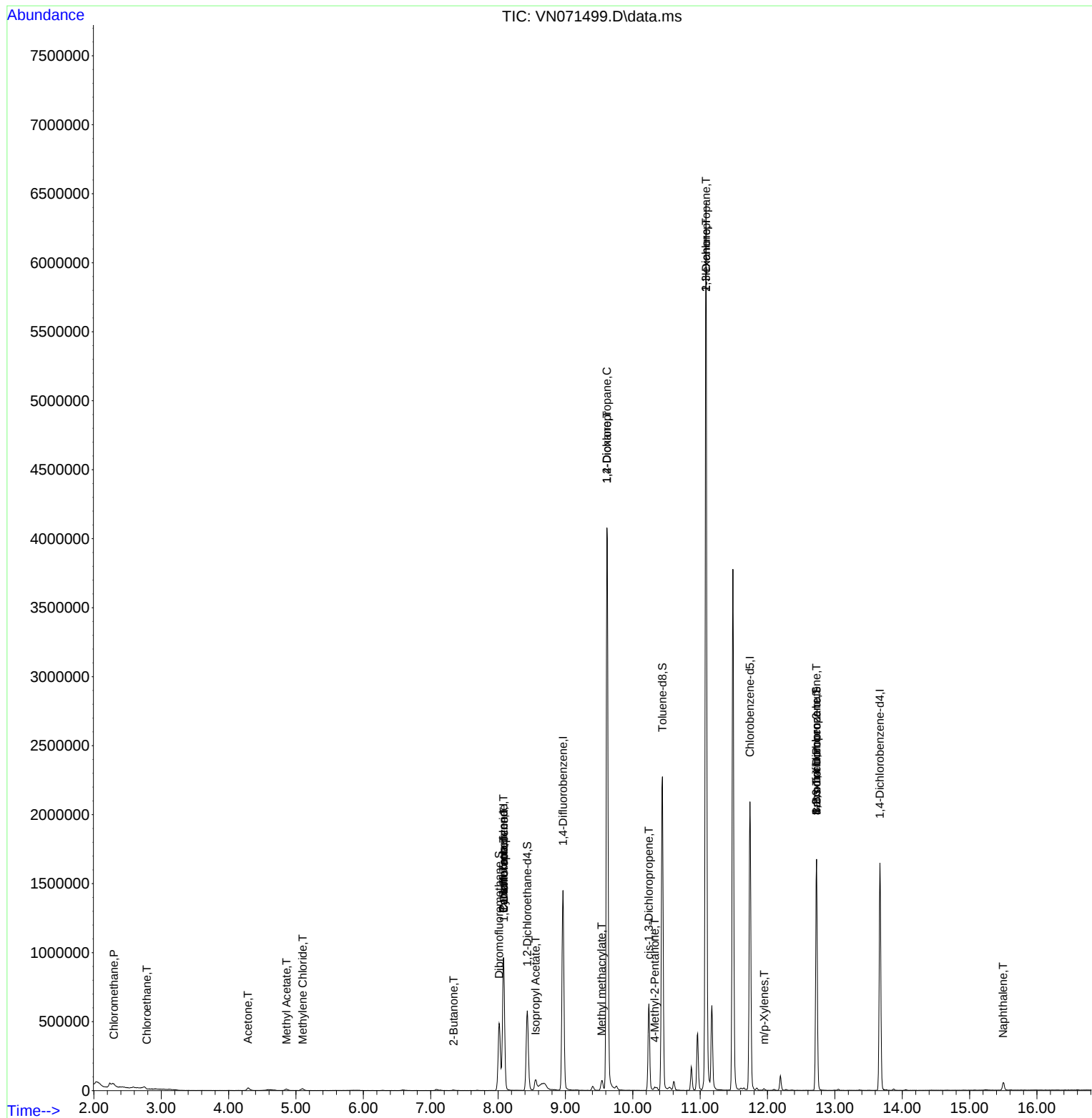
Internal Standards						
1) Pentafluorobenzene	8.081	168	725829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1244934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1199063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	443470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	478382	48.089	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.180%
35) Dibromofluoromethane	8.016	113	358173	45.592	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.180%
50) Toluene-d8	10.439	98	1570619	49.655	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.320%
62) 4-Bromofluorobenzene	12.727	95	583578	54.485	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3648	0.307	ug/l	96
5) Bromomethane	2.863	94	929	Below Cal	#	81
6) Chloroethane	2.787	64	1238	0.210	ug/l	89
16) Acetone	4.287	43	33362	6.893	ug/l	98
18) Methyl Acetate	4.857	43	22570	2.190	ug/l	# 67
20) Methylene Chloride	5.098	84	9730	1.473	ug/l	94
25) 2-Butanone	7.340	43	8104	1.039	ug/l	90
31) Cyclohexane	8.081	56	15545	0.979	ug/l	# 1
36) 1,1-Dichloropropene	8.087	75	59141	4.699	ug/l	# 48
38) Carbon Tetrachloride	8.081	117	71472	5.870	ug/l	# 16
43) Isopropyl Acetate	8.557	43	97231	3.753	ug/l	# 83
45) 1,2-Dichloropropane	9.616	63	4622	0.454	ug/l	# 44
48) Methyl methacrylate	9.539	41	21840	1.819	ug/l	# 8
49) 1,4-Dioxane	9.616	88	770	3.690	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.328	43	9194	0.572	ug/l	# 69
54) cis-1,3-Dichloropropene	10.239	75	108641	7.123	ug/l	# 60
57) 1,3-Dichloropropane	11.086	76	67035	3.991	ug/l	# 43
59) 2-Hexanone	11.086	43	1042738	95.061	ug/l	# 49
68) m/p-Xylenes	11.951	106	3914	0.235	ug/l	78
71) Bromoform	12.727	173	3474	0.484	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.733	83	343	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	303942	26.979	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	303942	74.088	ug/l	# 5
95) Naphthalene	15.498	128	55327	7.513	ug/l	100

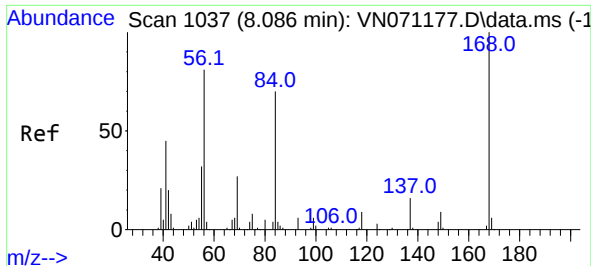
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
Data File : VN071499.D
Acq On : 23 Mar 2022 05:49
Operator : JC\MD
Sample : N1968-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

Quant Time: Mar 23 07:17:03 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

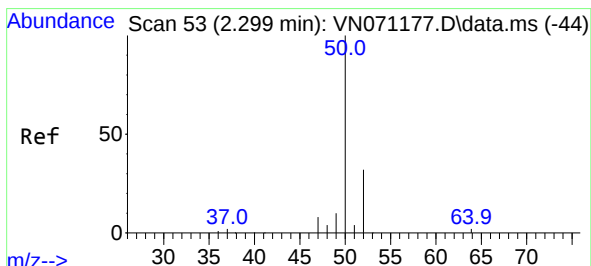
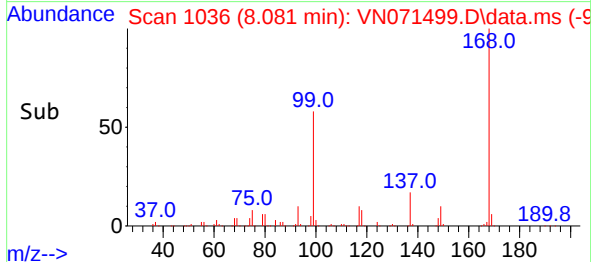
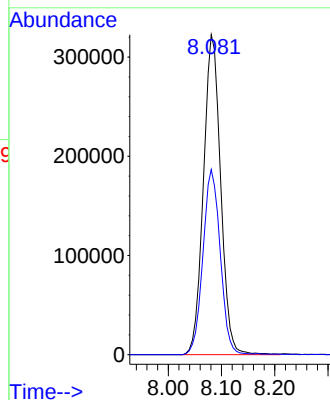
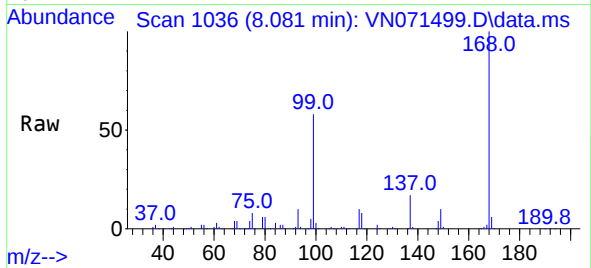




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

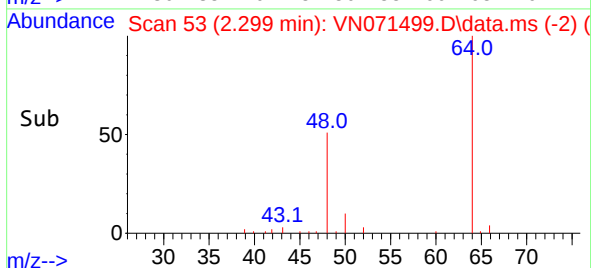
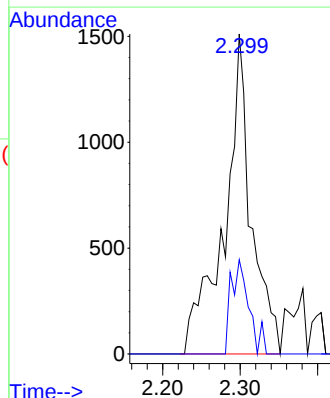
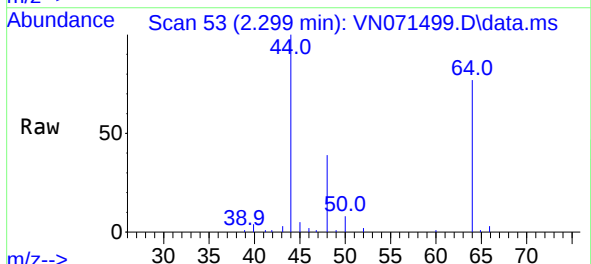
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

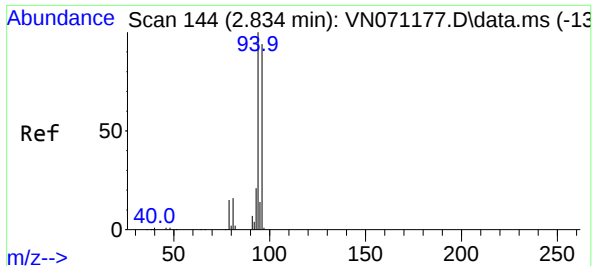
Tgt Ion:168 Resp: 725829
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.307 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 50 Resp: 3648
Ion Ratio Lower Upper
50 100
52 29.5 25.4 38.0

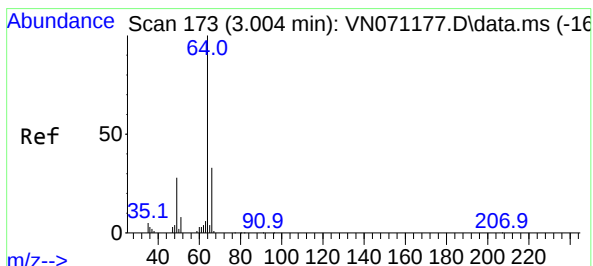
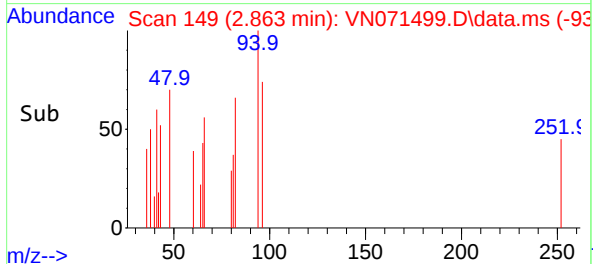
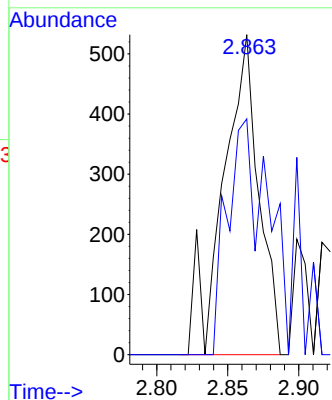
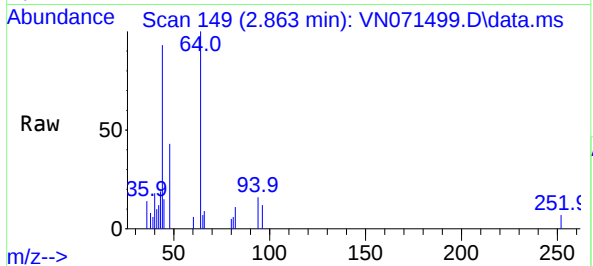




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 144
Delta R.T. 0.029 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

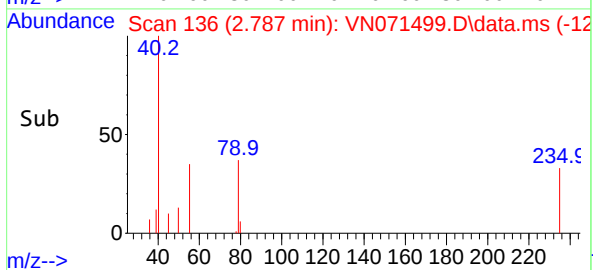
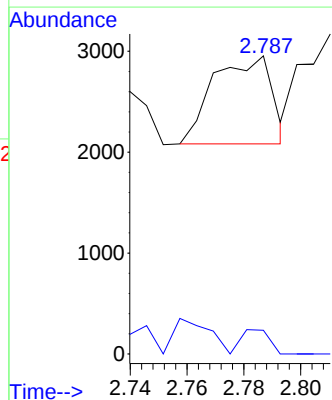
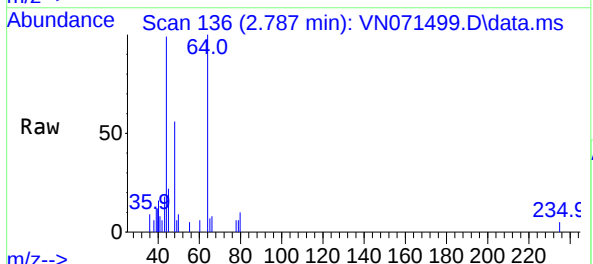
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

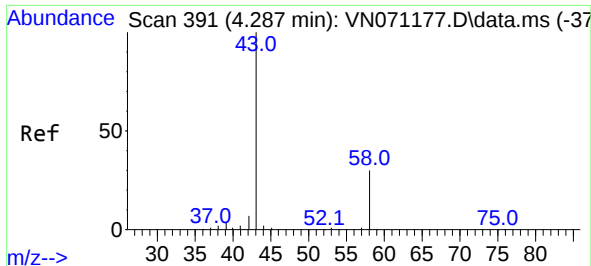
Tgt Ion: 94 Resp: 929
Ion Ratio Lower Upper
94 100
96 73.7 73.8 110.8#



#6
Chloroethane
Concen: 0.210 ug/l
RT: 2.787 min Scan# 136
Delta R.T. -0.217 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 64 Resp: 1238
Ion Ratio Lower Upper
64 100
66 26.9 26.3 39.5

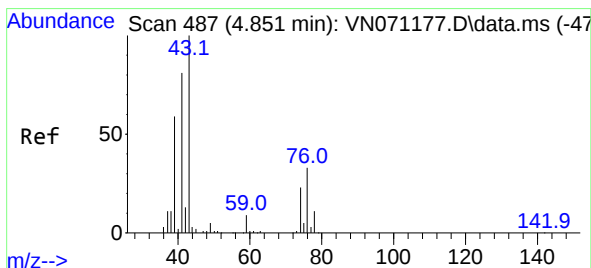
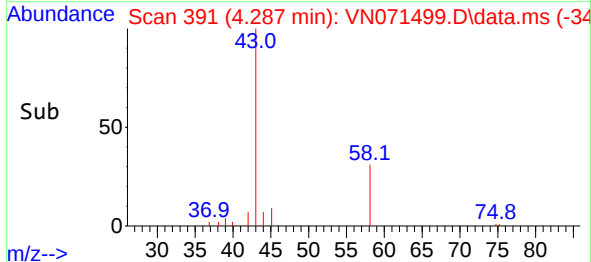
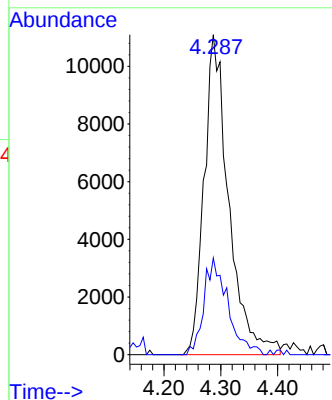
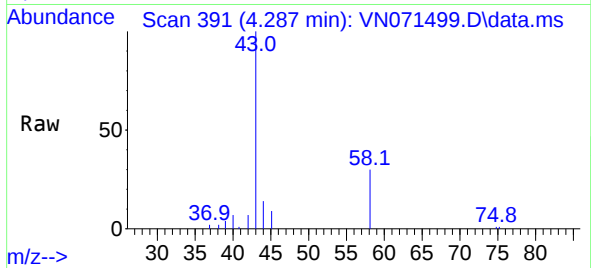




#16
Acetone
Concen: 6.893 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

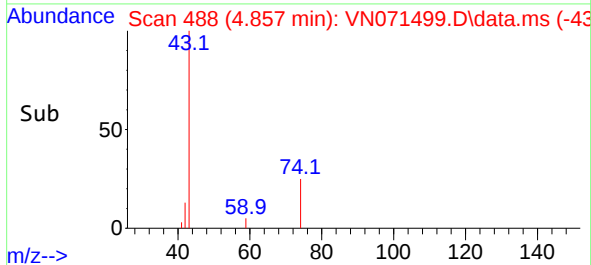
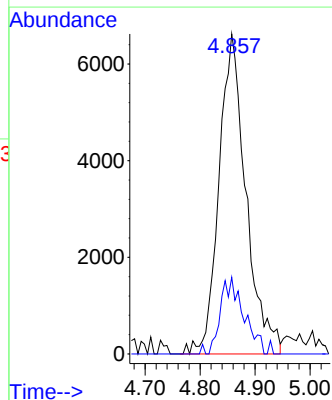
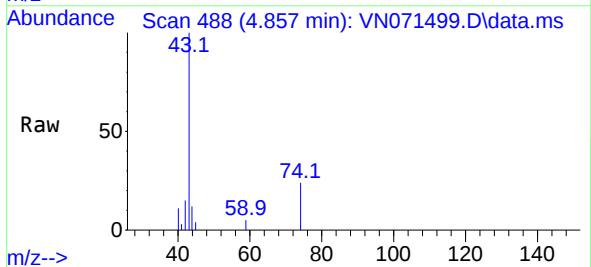
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

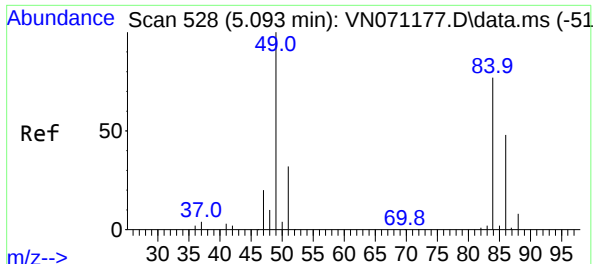
Tgt Ion: 43 Resp: 33362
Ion Ratio Lower Upper
43 100
58 30.2 23.1 34.7



#18
Methyl Acetate
Concen: 2.190 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 43 Resp: 22570
Ion Ratio Lower Upper
43 100
74 8.0 19.4 29.2#



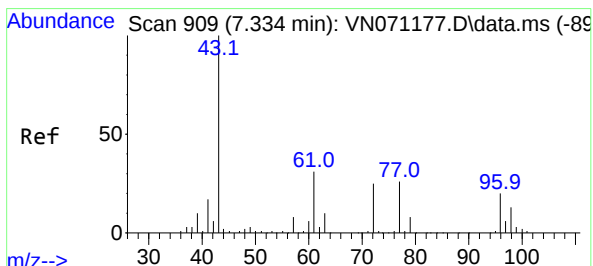
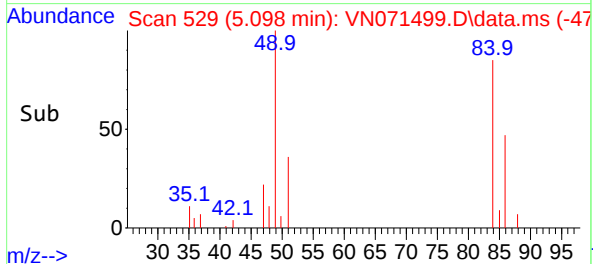
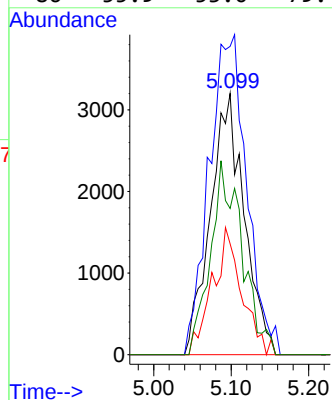
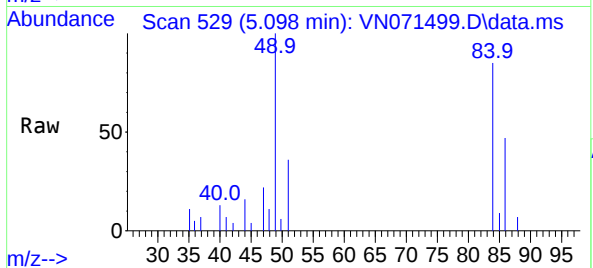


#20
Methylene Chloride
Concen: 1.473 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

Tgt Ion: 84 Resp: 9730

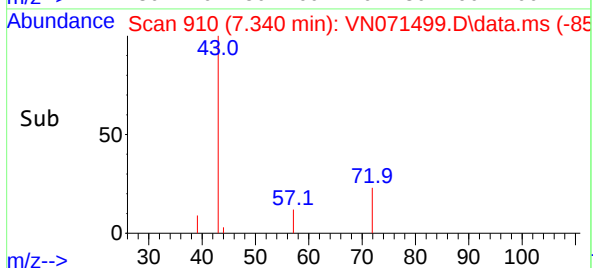
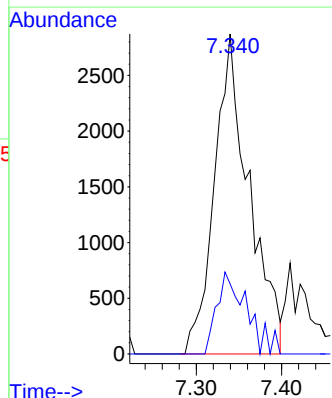
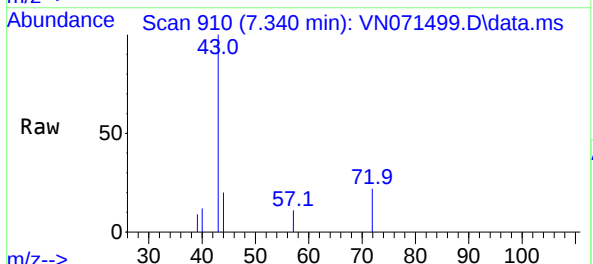
Ion	Ratio	Lower	Upper
84	100		
49	118.0	93.5	140.3
51	42.4	29.4	44.2
86	55.9	53.0	79.4

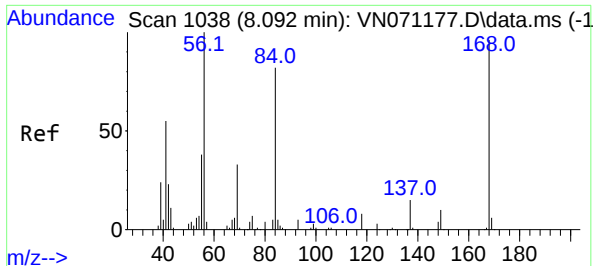


#25
2-Butanone
Concen: 1.039 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 43 Resp: 8104

Ion	Ratio	Lower	Upper
43	100		
72	21.9	21.7	32.5





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071499.D

Acq: 23 Mar 2022 05:49

Instrument :

MSVOA_N

ClientSampleId :

G-3-1-0-1

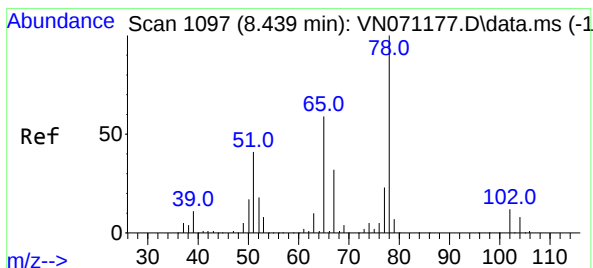
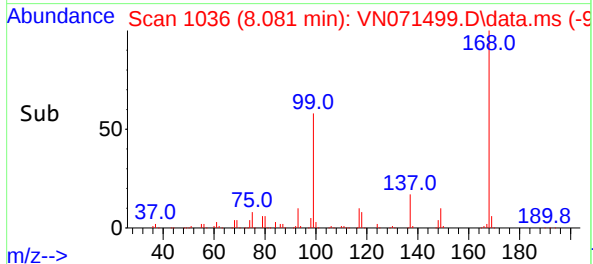
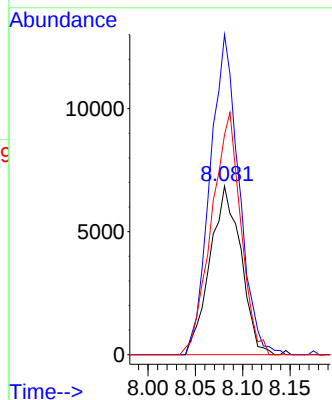
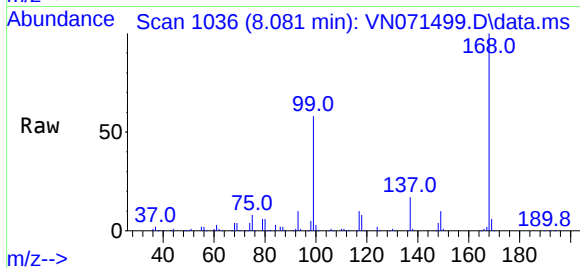
Tgt Ion: 56 Resp: 15545

Ion Ratio Lower Upper

56 100

69 190.0 27.1 40.7#

84 130.5 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 48.089 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071499.D

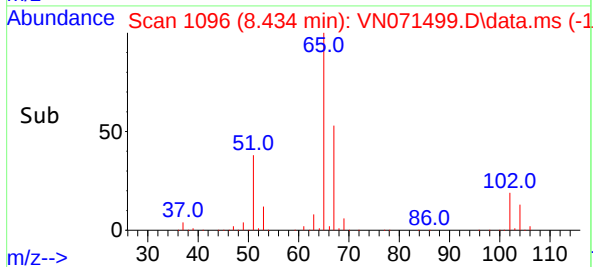
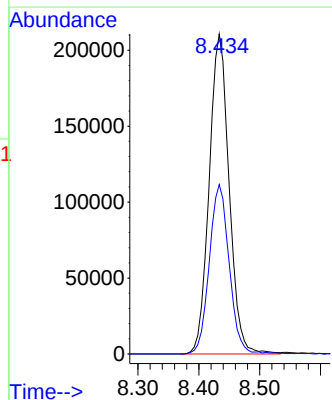
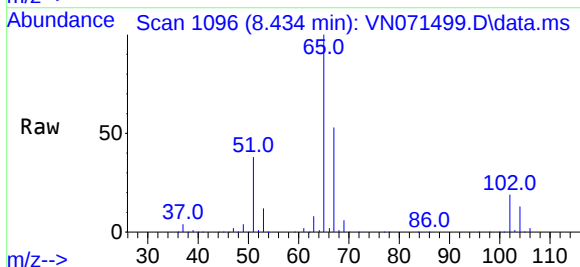
Acq: 23 Mar 2022 05:49

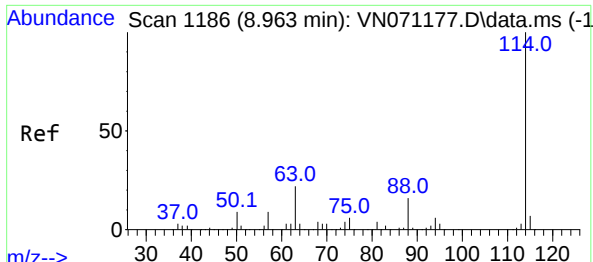
Tgt Ion: 65 Resp: 478382

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0

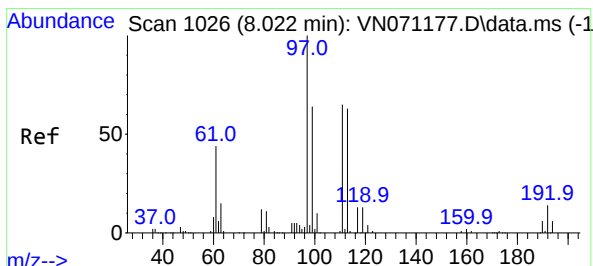
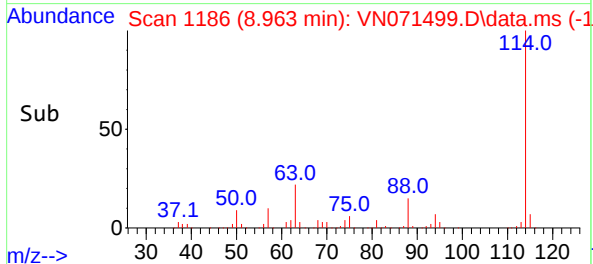
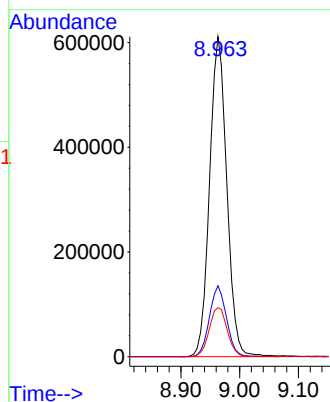
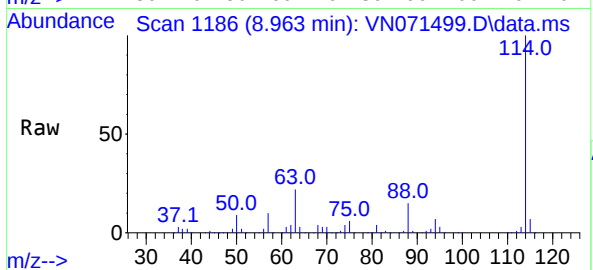




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

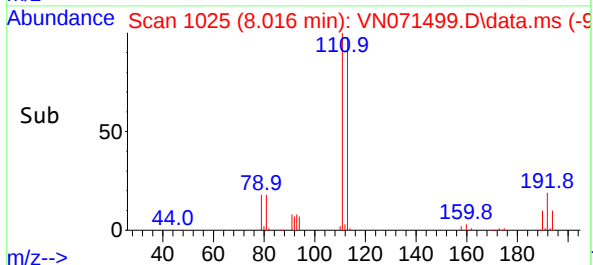
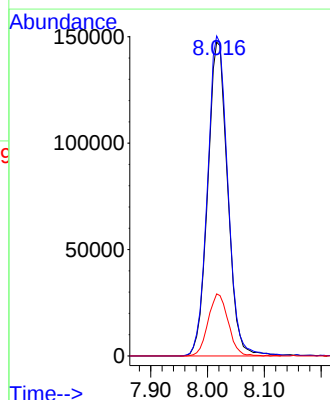
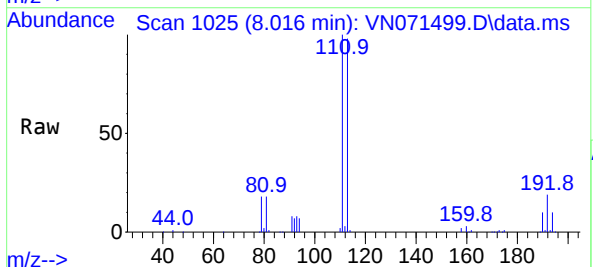
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

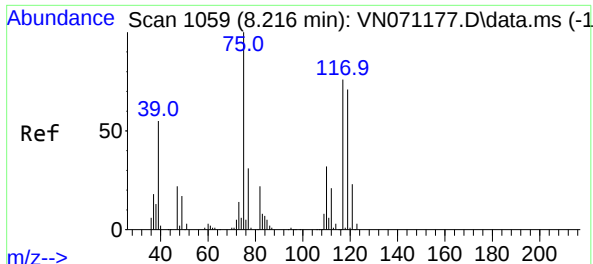
Tgt Ion:114 Resp: 1244934
Ion Ratio Lower Upper
114 100
63 22.1 0.0 37.8
88 15.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.592 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion:113 Resp: 358173
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 19.9 16.9 25.3

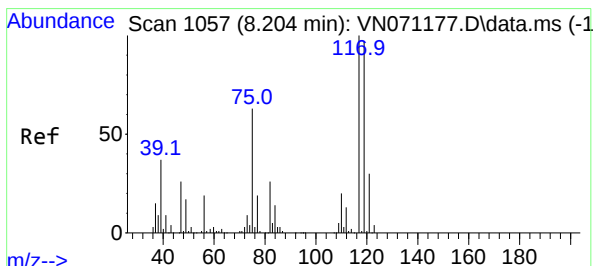
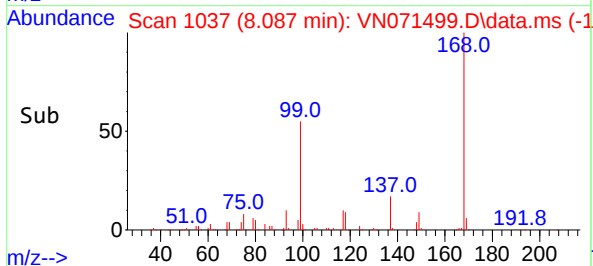
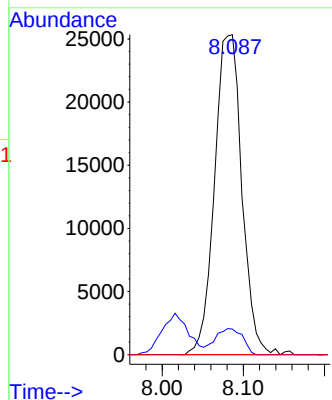
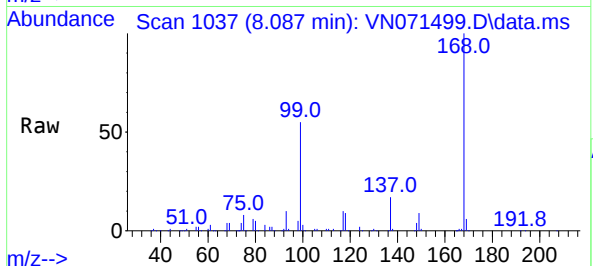




#36
1,1-Dichloropropene
Concen: 4.699 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

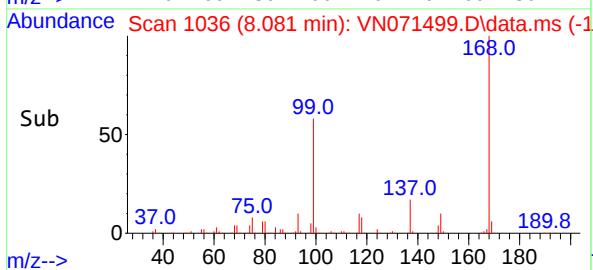
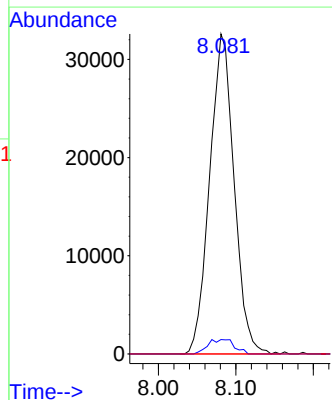
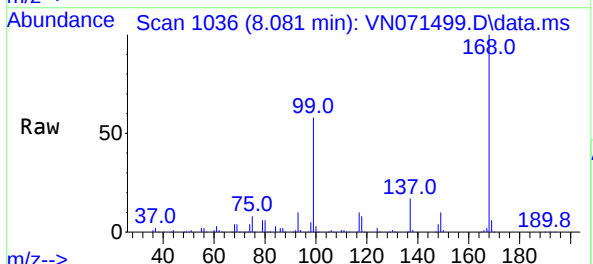
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

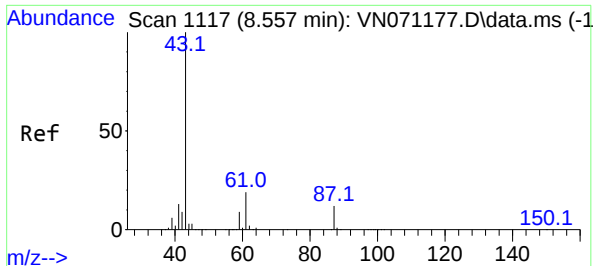
Tgt Ion: 75 Resp: 59141
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 117 Resp: 71472
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#

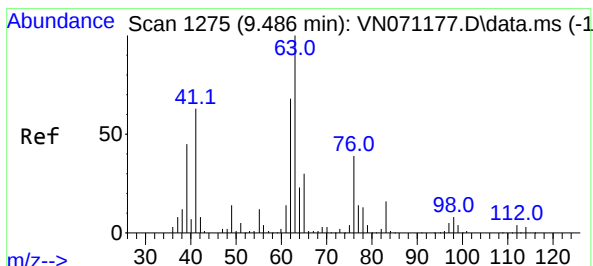
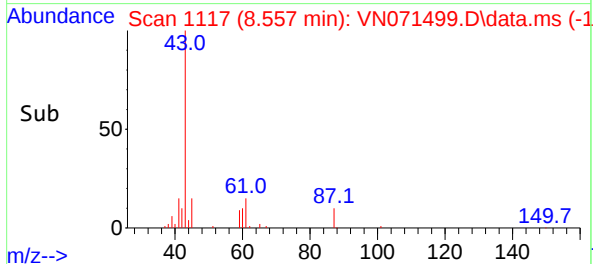
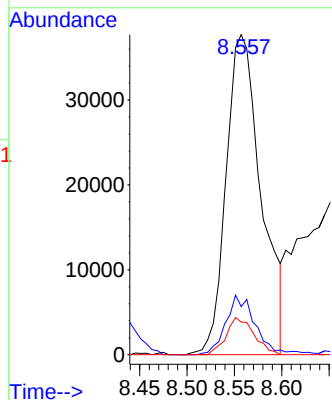
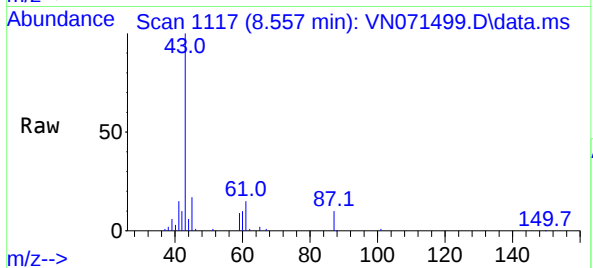




#43
Isopropyl Acetate
Concen: 3.753 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

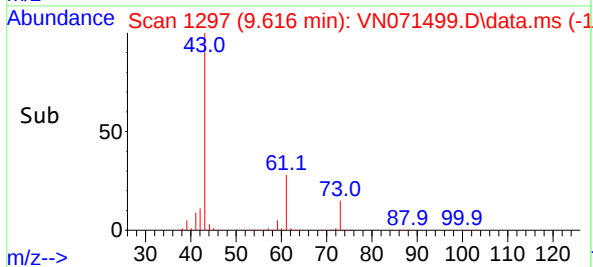
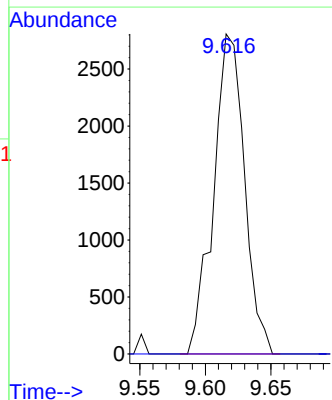
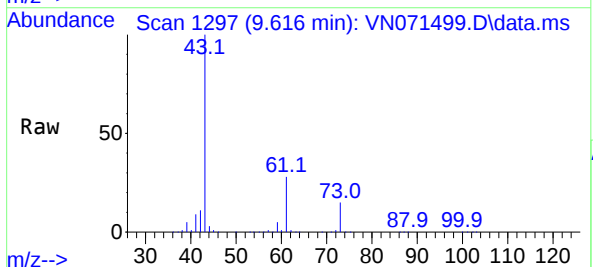
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

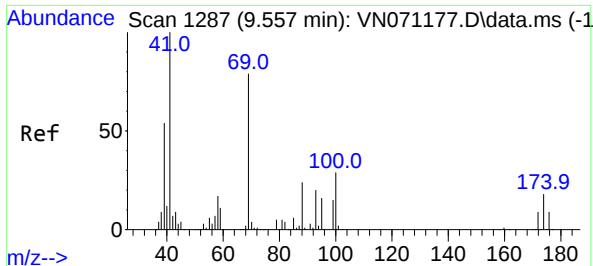
Tgt Ion: 43 Resp: 97231
Ion Ratio Lower Upper
43 100
61 15.8 20.4 30.6#
87 9.2 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.454 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 63 Resp: 4622
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

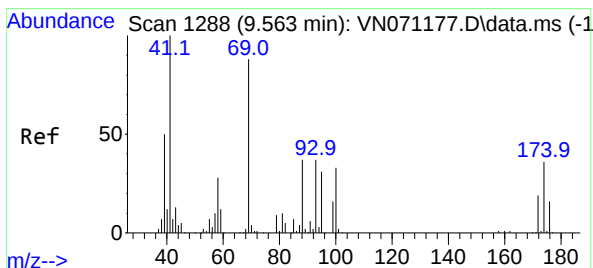
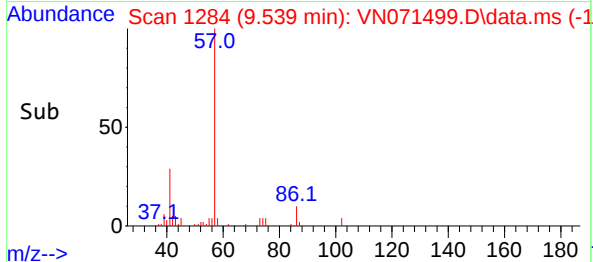
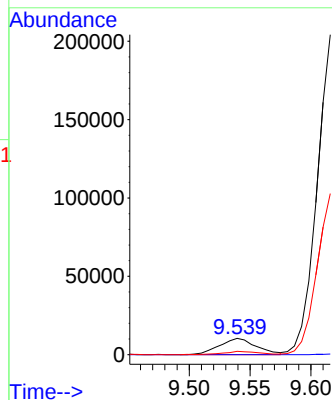
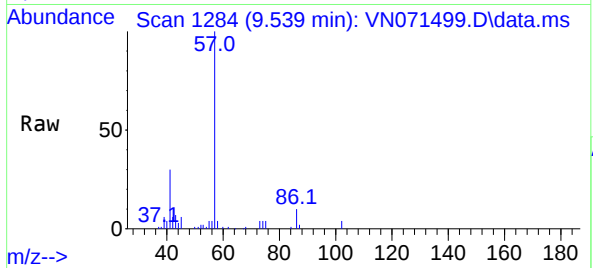




#48
Methyl methacrylate
Concen: 1.819 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

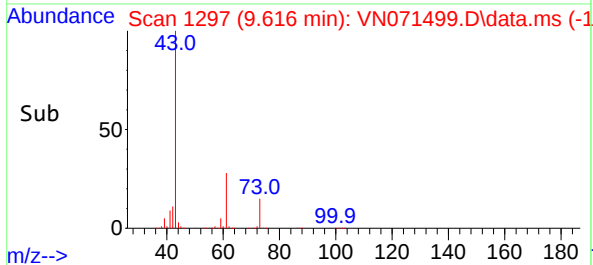
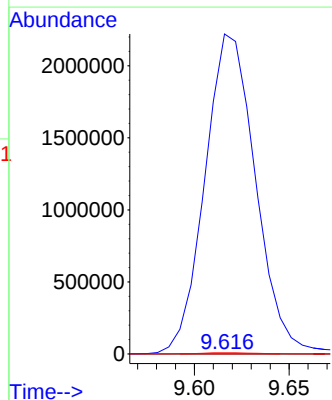
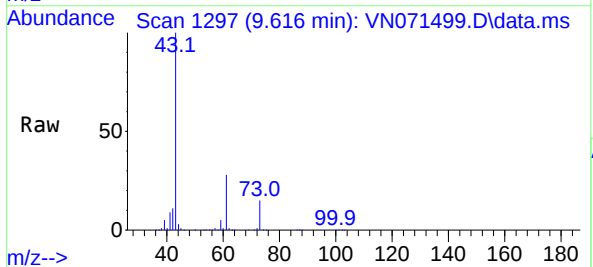
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

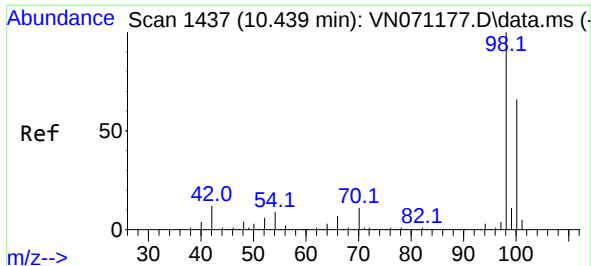
Tgt Ion: 41 Resp: 21840
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.690 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 88 Resp: 770
Ion Ratio Lower Upper
88 100
43 545076.5 23.4 35.2#
58 2197.7 50.6 75.8#

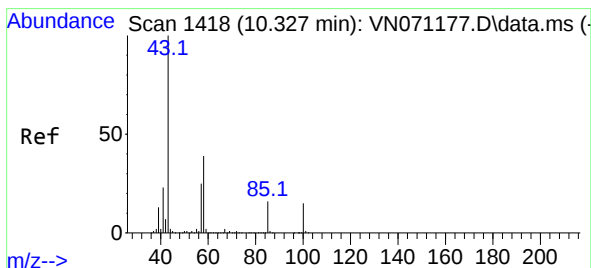
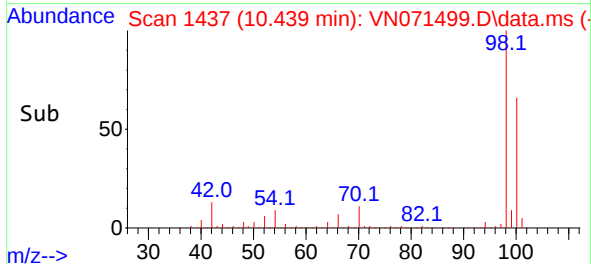
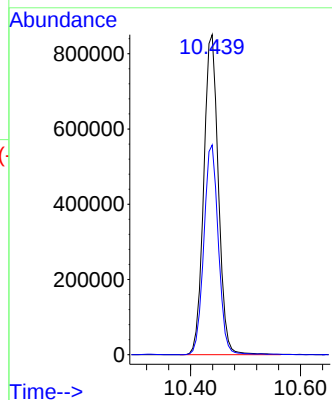
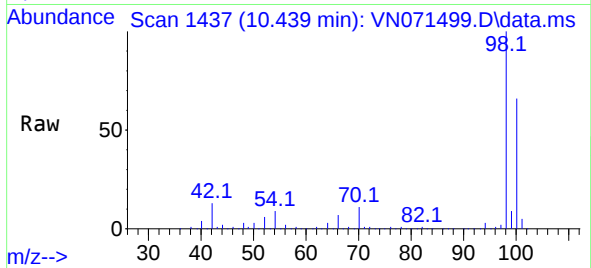




#50
Toluene-d8
Concen: 49.655 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

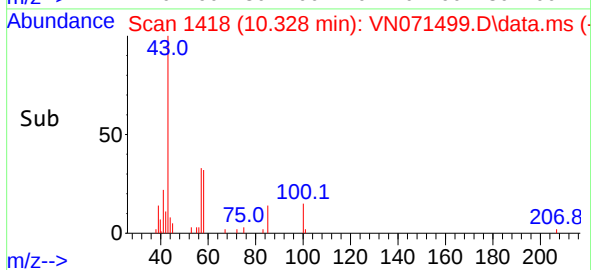
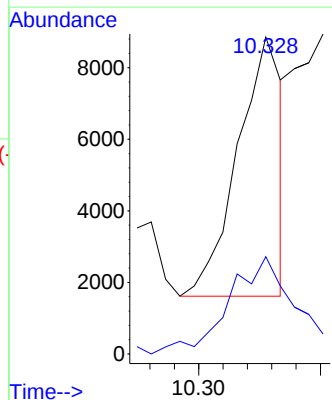
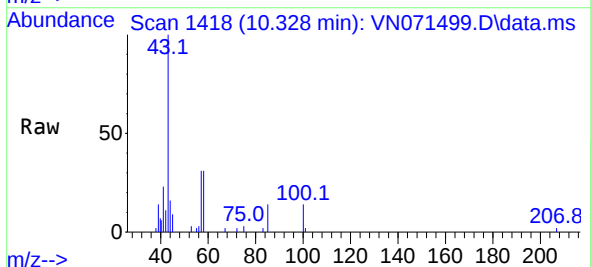
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

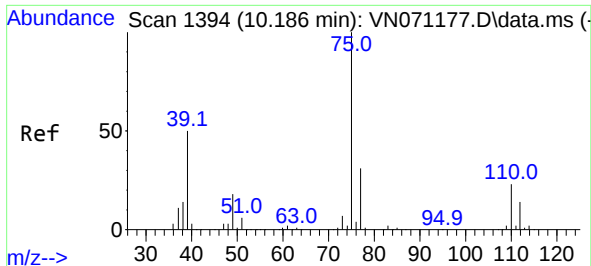
Tgt Ion: 98 Resp: 1570619
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 43 Resp: 9194
Ion Ratio Lower Upper
43 100
58 56.9 30.4 45.6#

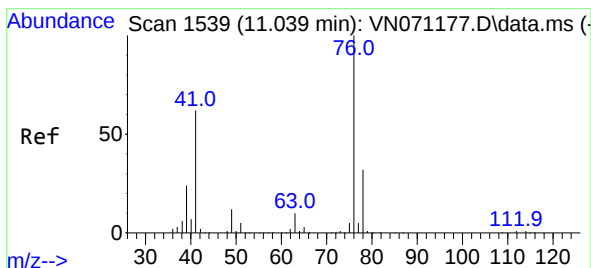
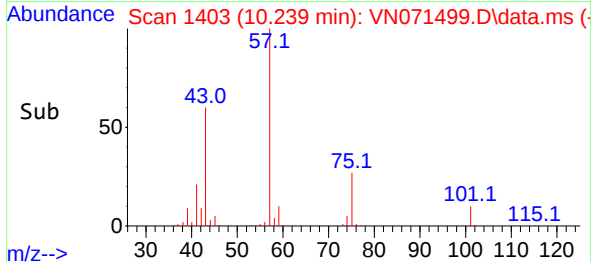
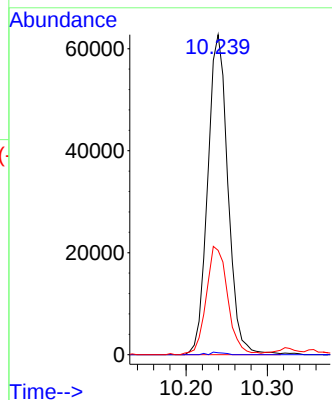
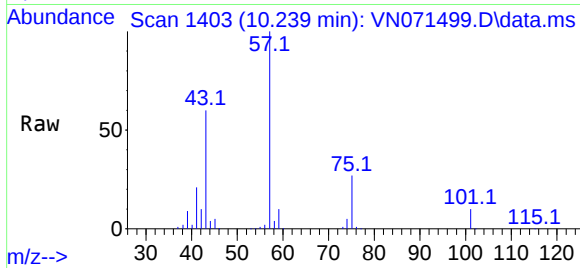




#54
 cis-1,3-Dichloropropene
 Concen: 7.123 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071499.D
 Acq: 23 Mar 2022 05:49

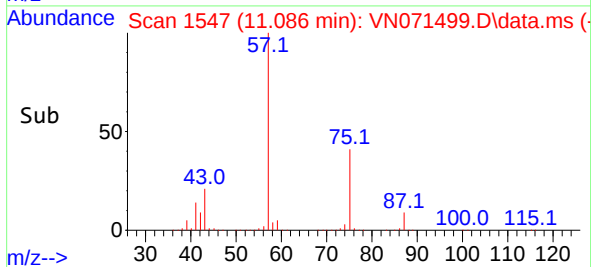
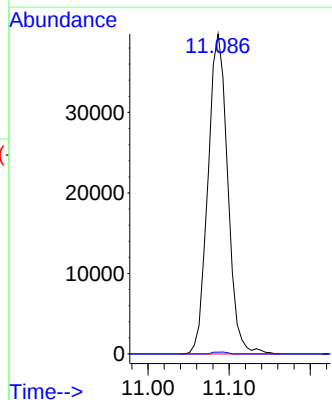
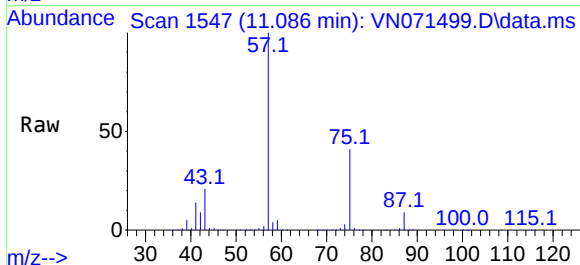
Instrument :
 MSVOA_N
 ClientSampleId :
 G-3-1-0-1

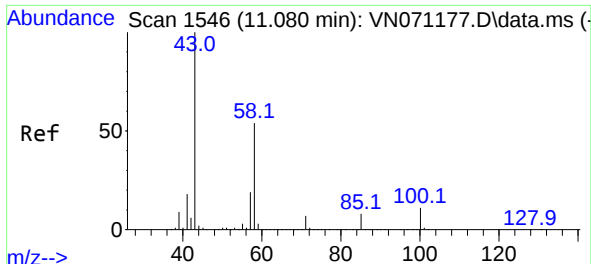
Tgt Ion: 75 Resp: 108641
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 32.6 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 3.991 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071499.D
 Acq: 23 Mar 2022 05:49

Tgt Ion: 76 Resp: 67035
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

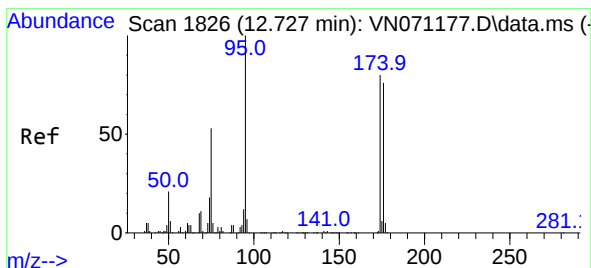
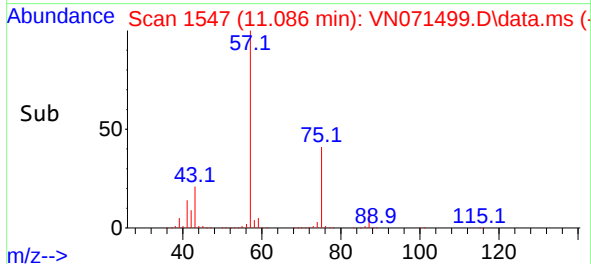
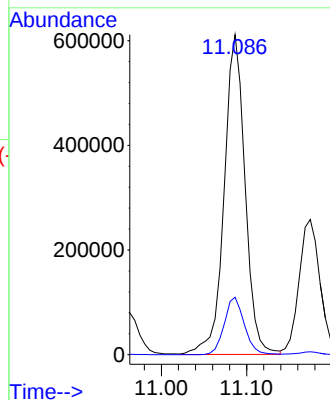
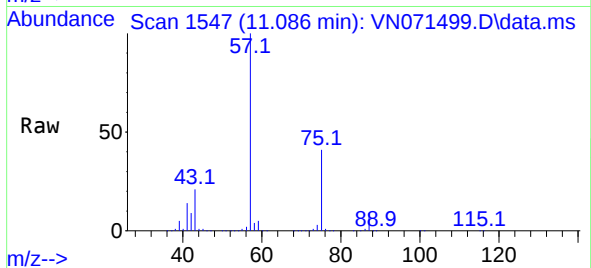




#59
2-Hexanone
Concen: 95.061 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

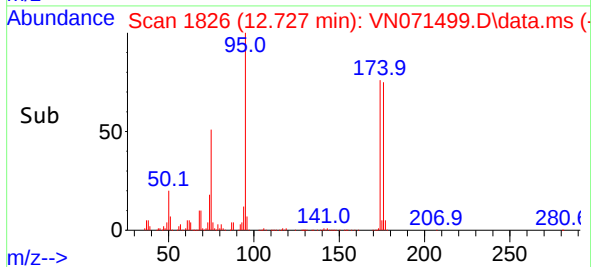
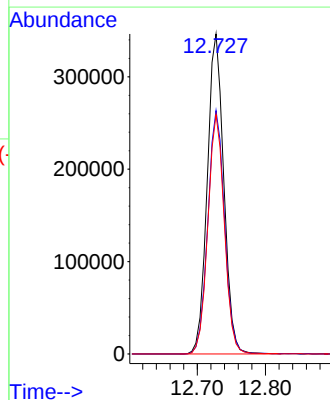
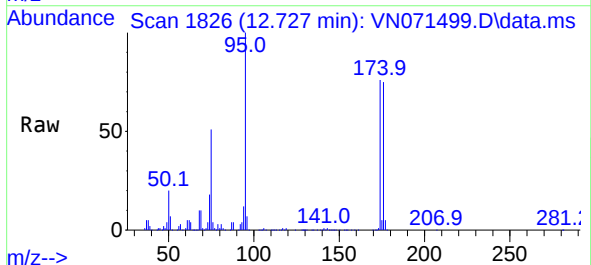
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

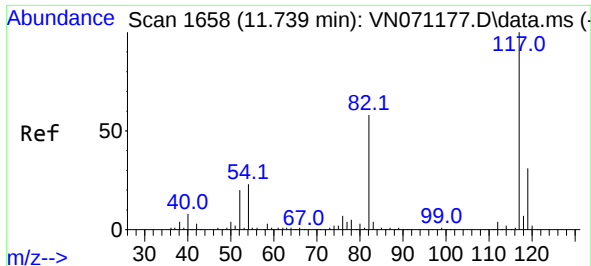
Tgt Ion: 43 Resp: 1042738
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 54.485 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 95 Resp: 583578
Ion Ratio Lower Upper
95 100
174 77.2 0.0 187.2
176 74.3 0.0 181.4

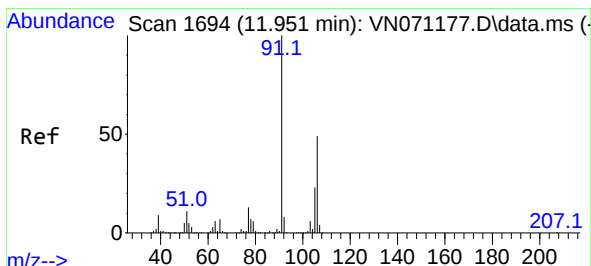
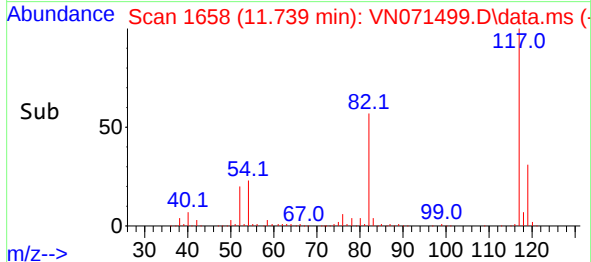
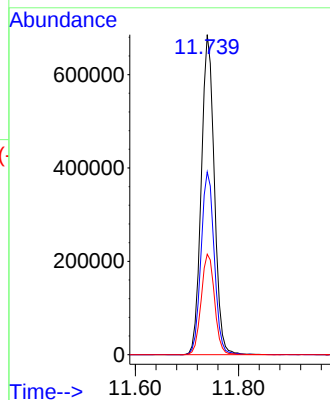
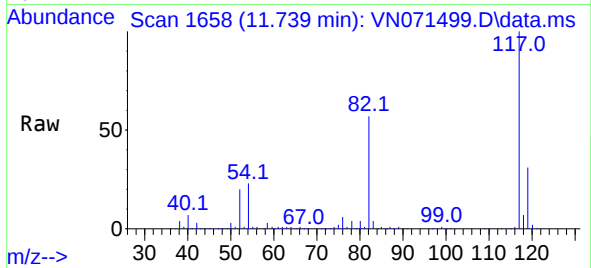




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

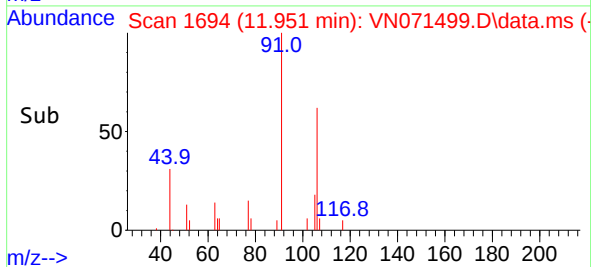
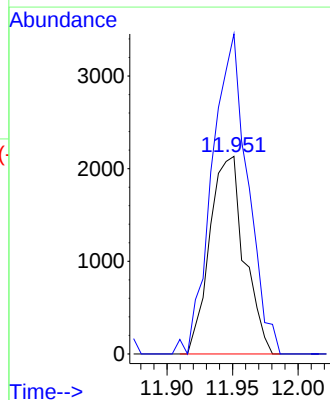
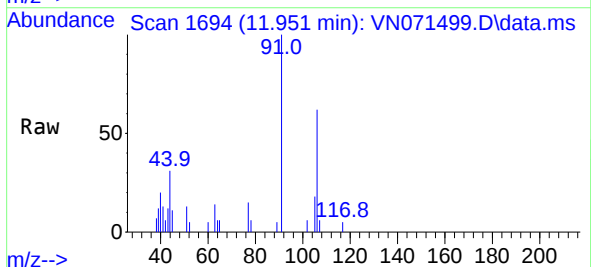
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

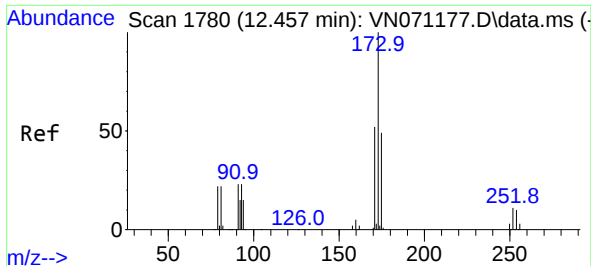
Tgt Ion:117 Resp: 1199063
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 31.4 25.4 38.2



#68
m/p-Xylenes
Concen: 0.235 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion:106 Resp: 3914
Ion Ratio Lower Upper
106 100
91 167.3 160.6 240.8

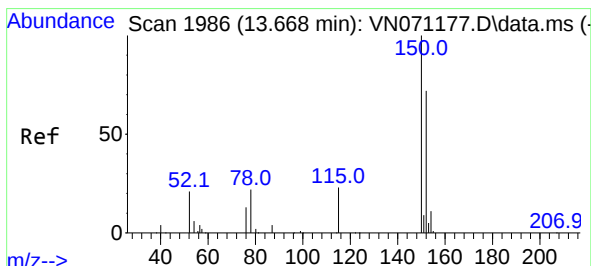
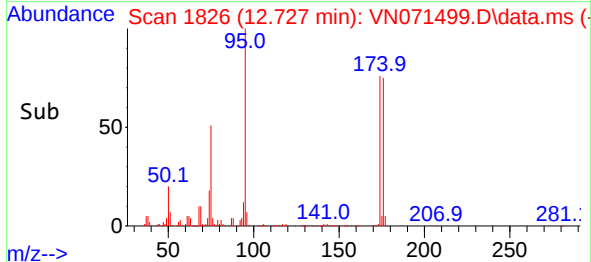
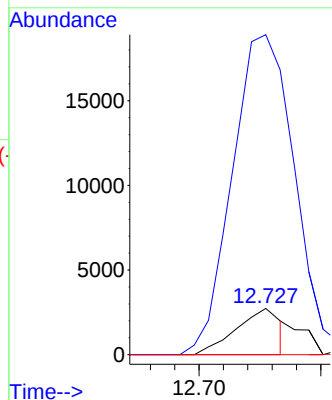
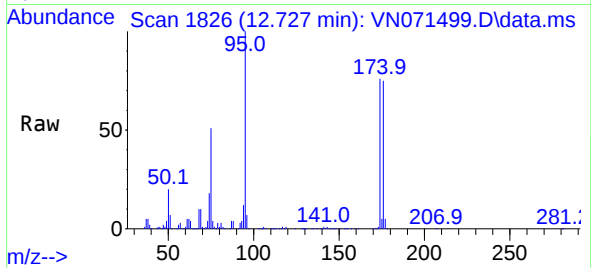




#71
Bromoform
Concen: 0.484 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

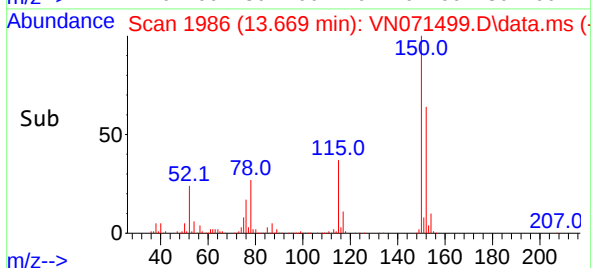
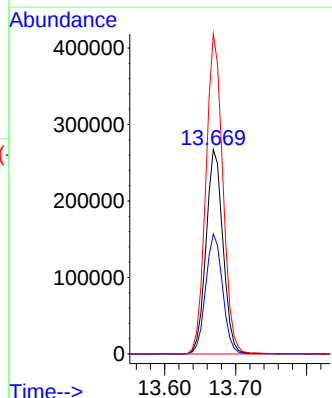
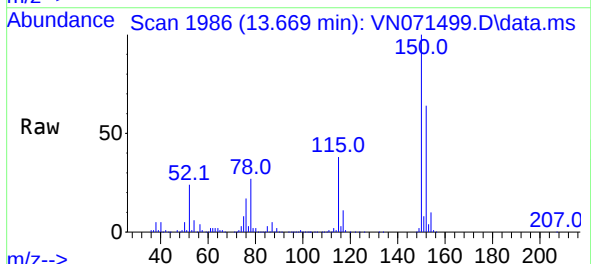
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

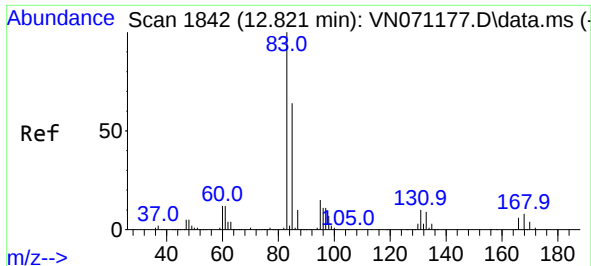
Tgt Ion:173 Resp: 3474
Ion Ratio Lower Upper
173 100
175 777.7 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion:152 Resp: 443470
Ion Ratio Lower Upper
152 100
115 58.7 27.5 82.5
150 156.7 0.0 344.4

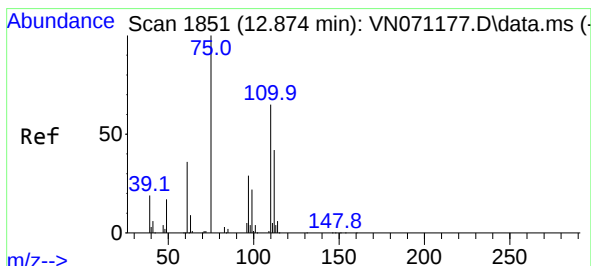
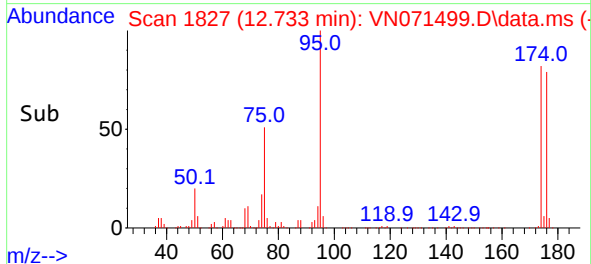
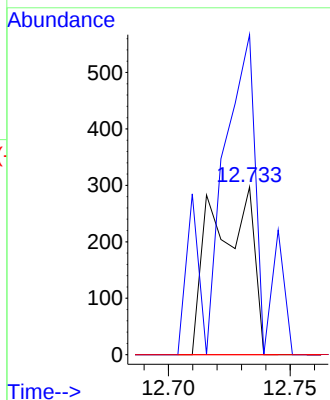
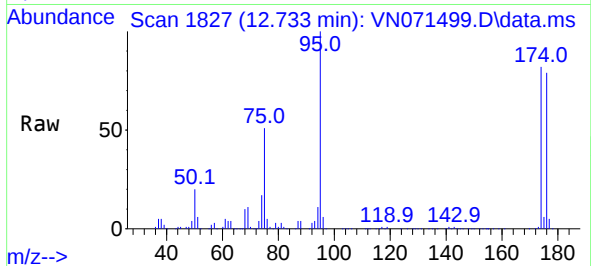




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.088 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

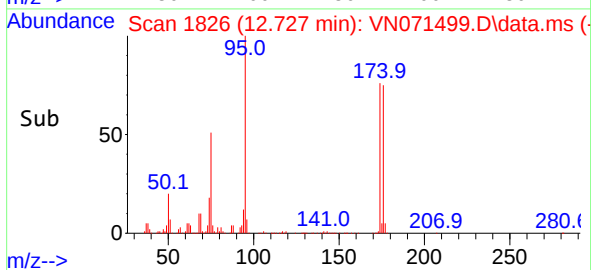
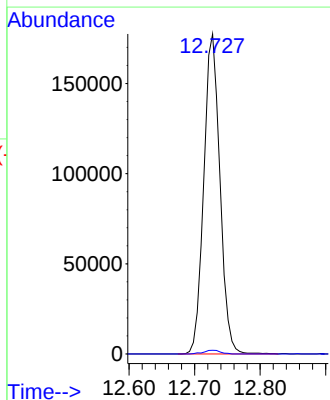
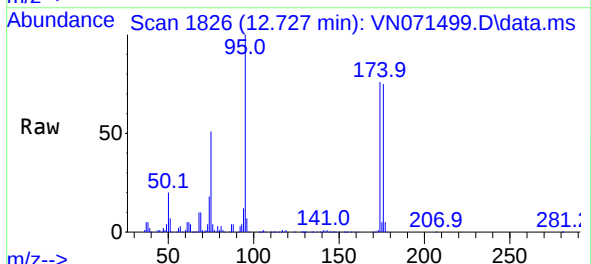
Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

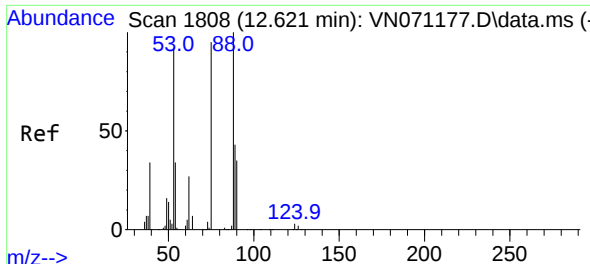
Tgt Ion: 83 Resp: 343
Ion Ratio Lower Upper
83 100
131 191.8 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.979 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion: 75 Resp: 303942
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

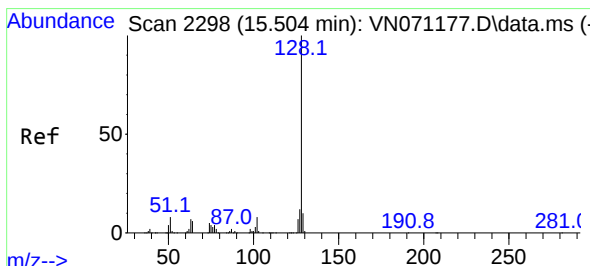
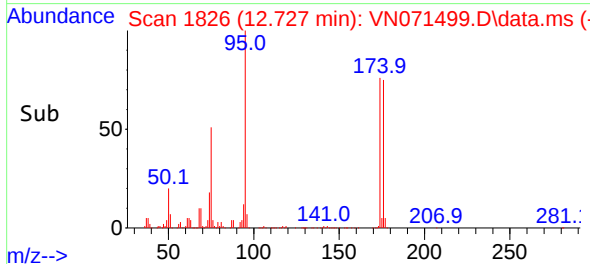
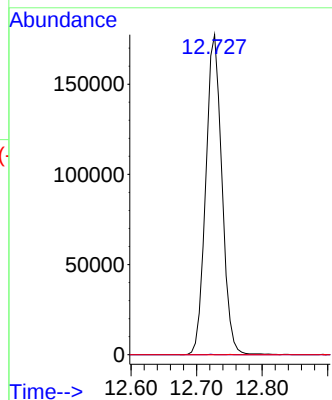
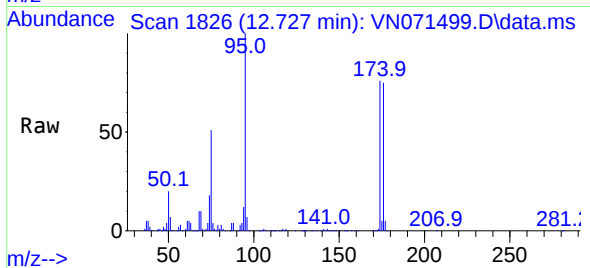




#81
trans-1,4-Dichloro-2-butene
Concen: 74.088 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Instrument :
MSVOA_N
ClientSampleId :
G-3-1-0-1

Tgt Ion: 75 Resp: 303942
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 7.513 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071499.D
Acq: 23 Mar 2022 05:49

Tgt Ion:128 Resp: 55327
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.7 13.1

