

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071493.D
 Acq On : 23 Mar 2022 03:25
 Operator : JC\MD
 Sample : N1970-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:15:24 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

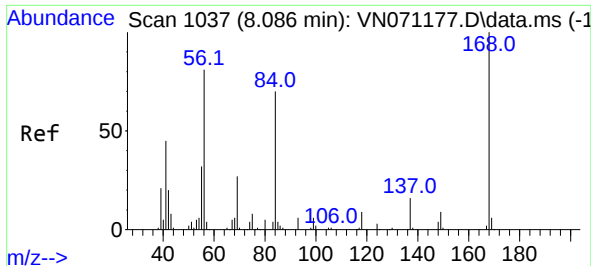
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	809300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1399820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1355773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	505529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	549524	49.543	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.080%
35) Dibromofluoromethane	8.016	113	411373	46.570	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.140%
50) Toluene-d8	10.439	98	1744493	49.050	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.727	95	647494	53.763	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2862	0.206	ug/l	92
5) Bromomethane	2.840	94	830	Below Cal	#	61
13) Acrolein	4.051	56	1768	0.767	ug/l	98
16) Acetone	4.287	43	119873	22.211	ug/l	100
17) Carbon Disulfide	4.528	76	8505	0.368	ug/l	98
18) Methyl Acetate	4.857	43	21349	1.929	ug/l	91
20) Methylene Chloride	5.087	84	9902	1.378	ug/l	# 83
25) 2-Butanone	7.334	43	37253	4.285	ug/l	91
29) Tetrahydrofuran	7.681	42	1780	0.296	ug/l	# 70
31) Cyclohexane	8.086	56	17546	0.991	ug/l	# 17
36) 1,1-Dichloropropene	8.081	75	64121	4.531	ug/l	# 49
37) Ethyl Acetate	7.334	43	37253	1.913	ug/l	# 68
38) Carbon Tetrachloride	8.081	117	82004	5.990	ug/l	# 17
40) Benzene	8.457	78	26605	0.624	ug/l	# 90
43) Isopropyl Acetate	8.557	43	100852	3.462	ug/l	# 80
45) 1,2-Dichloropropane	9.622	63	4780	0.418	ug/l	# 44
48) Methyl methacrylate	9.539	41	22390	1.659	ug/l	# 8
49) 1,4-Dioxane	9.627	88	681	2.902	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.327	43	11851	0.656	ug/l	# 87
54) cis-1,3-Dichloropropene	10.239	75	102621	5.984	ug/l	# 65
57) 1,3-Dichloropropane	11.086	76	56410	2.987	ug/l	# 43
59) 2-Hexanone	11.086	43	918702	74.486	ug/l	# 49
71) Bromoform	12.727	173	3969	0.490	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.727	83	356	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	340420	26.455	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	340420	72.794	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.257	180	75	2.998	ug/l	# 69
95) Naphthalene	15.498	128	7898	5.374	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.692	180	73	2.741	ug/l	# 1

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

Quant Time: Mar 23 07:15:24 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

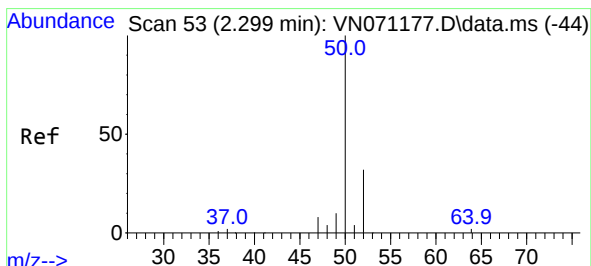
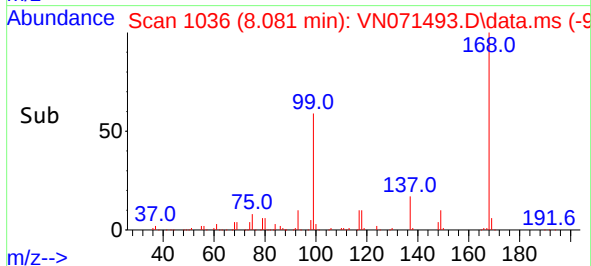
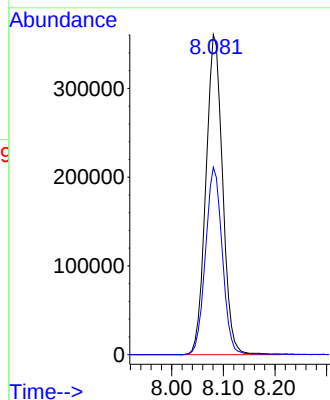
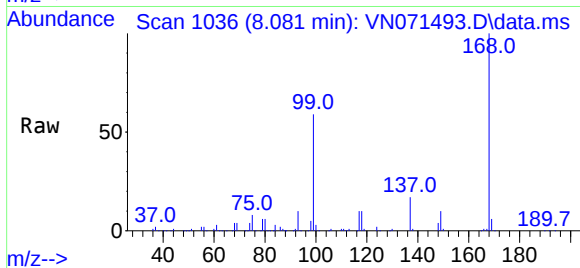




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

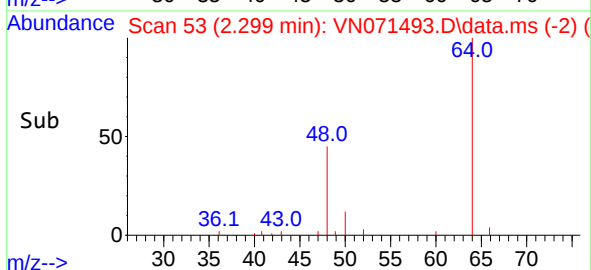
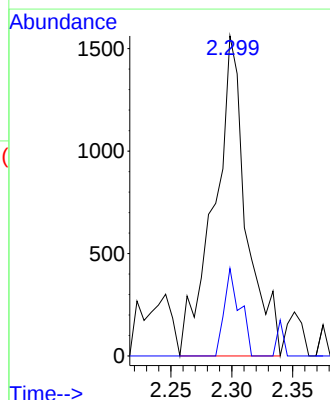
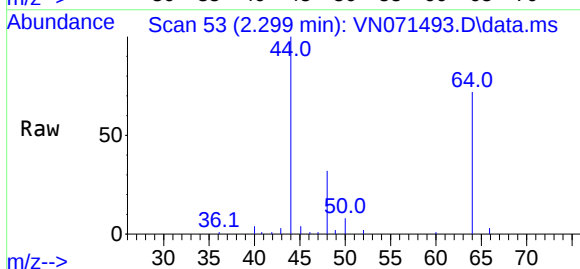
Instrument :
MSVOA_N
ClientSampleId :

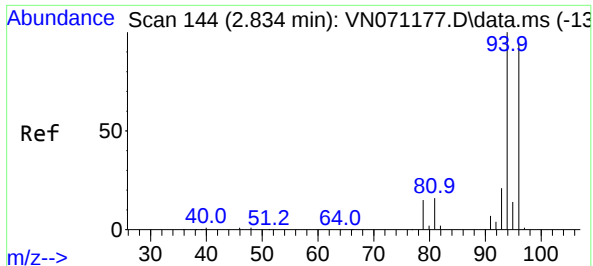
Tgt Ion:168 Resp: 809300
Ion Ratio Lower Upper
168 100
99 58.6 41.3 61.9



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 50 Resp: 2862
Ion Ratio Lower Upper
50 100
52 27.3 25.4 38.0

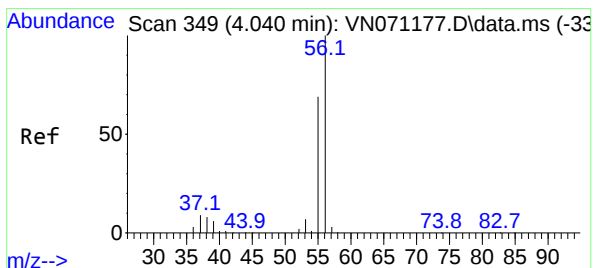
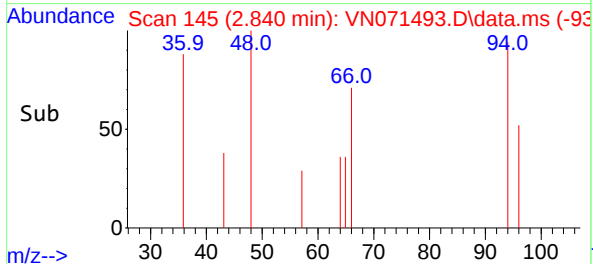
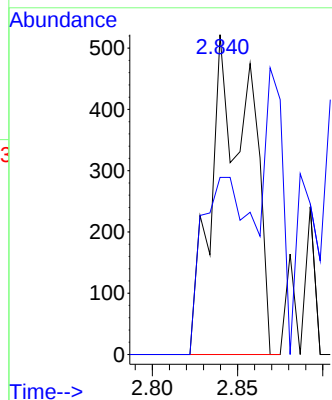
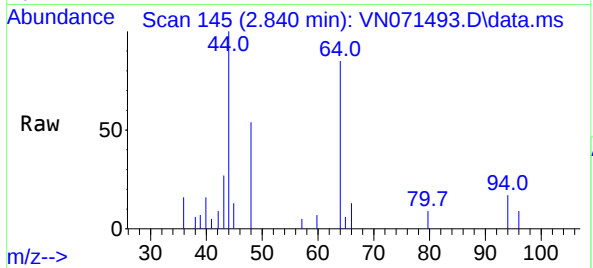




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

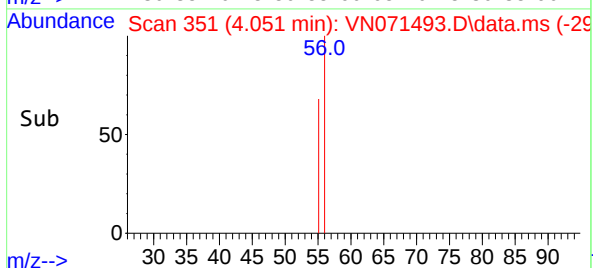
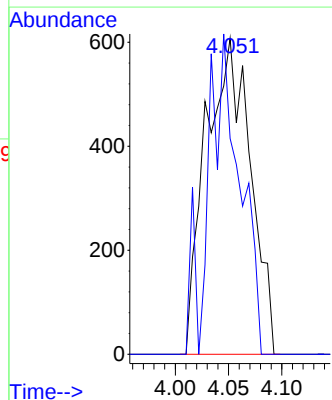
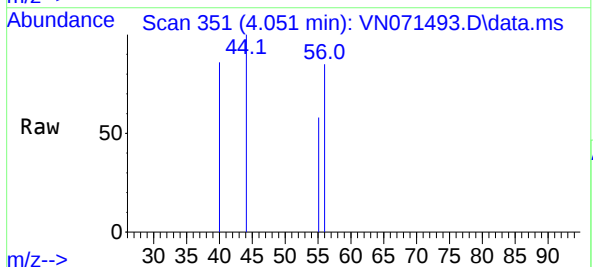
Instrument :
MSVOA_N
ClientSampleId :

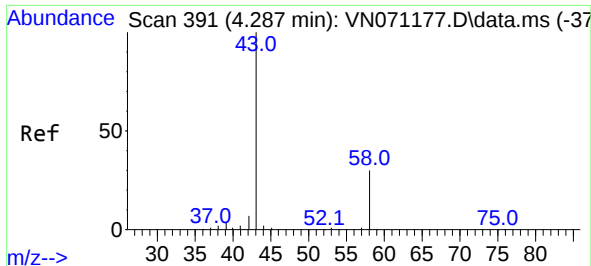
Tgt Ion: 94 Resp: 830
Ion Ratio Lower Upper
94 100
96 55.4 73.8 110.8#



#13
Acrolein
Concen: 0.767 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

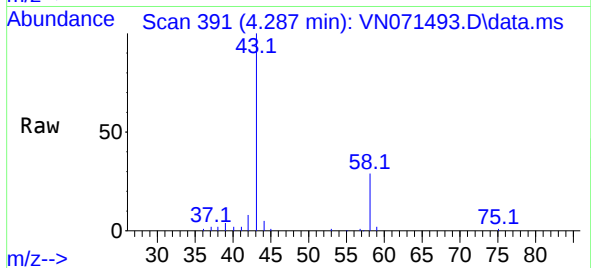
Tgt Ion: 56 Resp: 1768
Ion Ratio Lower Upper
56 100
55 72.6 56.6 85.0



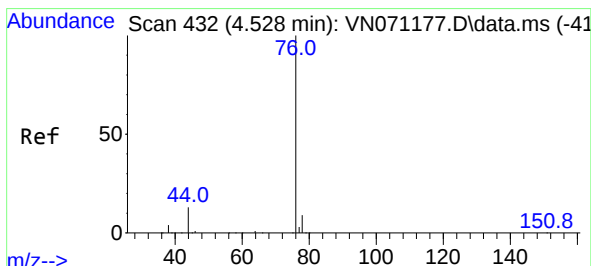
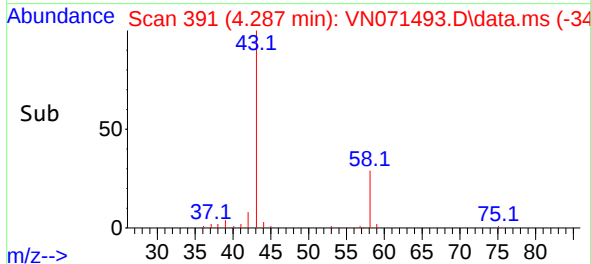
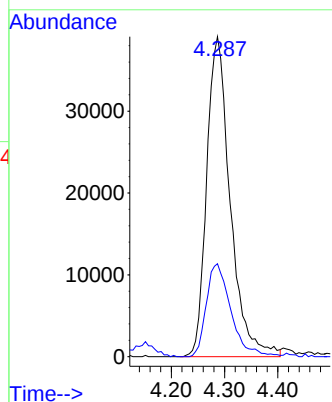


#16
Acetone
Concen: 22.211 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Instrument :
MSVOA_N
ClientSampleId :

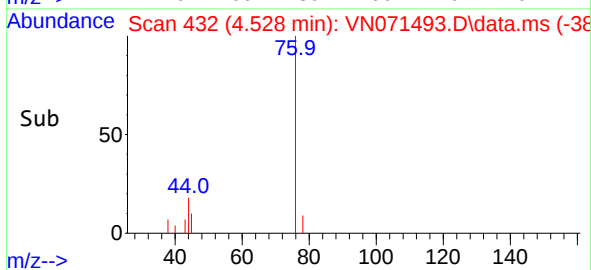
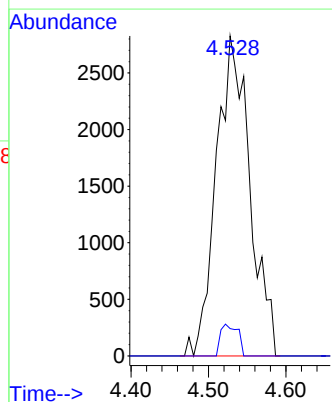
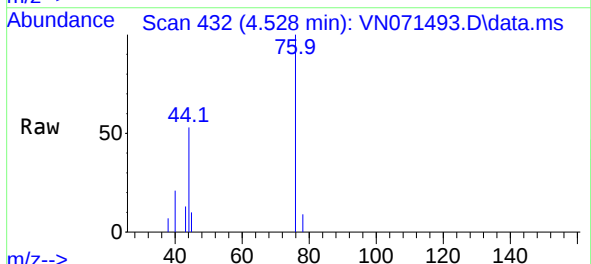


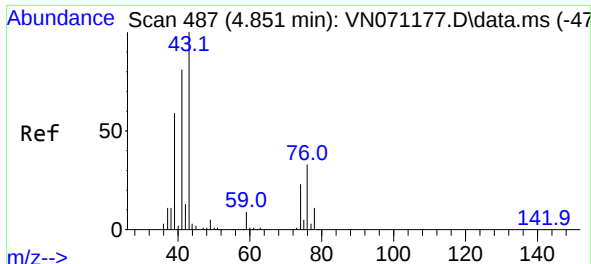
Tgt Ion: 43 Resp: 119873
Ion Ratio Lower Upper
43 100
58 29.0 23.1 34.7



#17
Carbon Disulfide
Concen: 0.368 ug/l
RT: 4.528 min Scan# 432
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

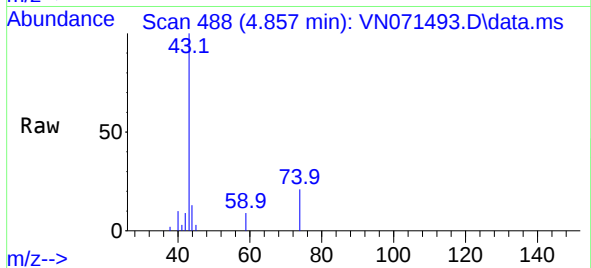
Tgt Ion: 76 Resp: 8505
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3



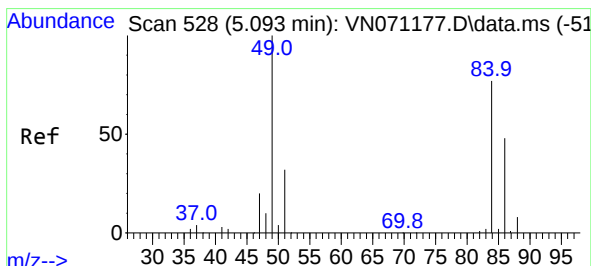
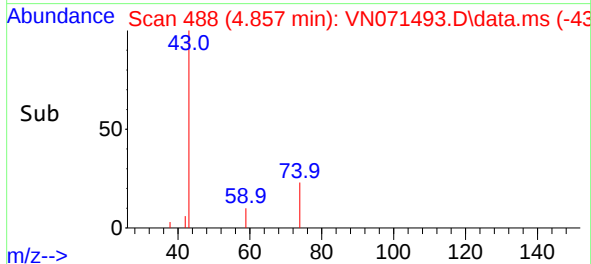
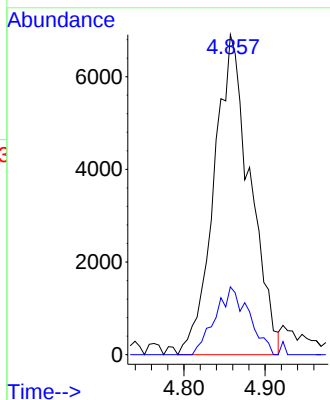


#18
Methyl Acetate
Concen: 1.929 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Instrument :
MSVOA_N
ClientSampleId :

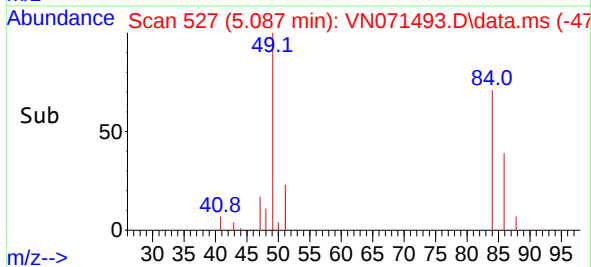
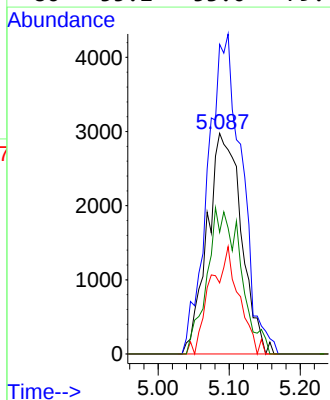
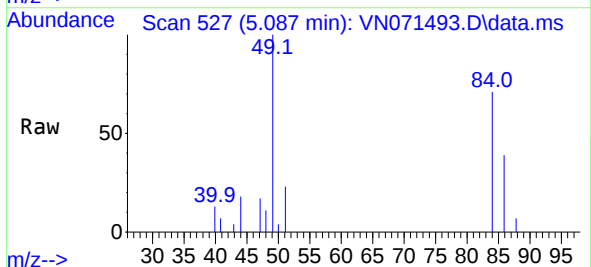


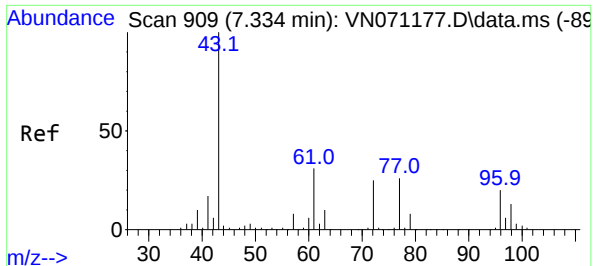
Tgt Ion: 43 Resp: 21349
Ion Ratio Lower Upper
43 100
74 19.8 19.4 29.2



#20
Methylene Chloride
Concen: 1.378 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 84 Resp: 9902
Ion Ratio Lower Upper
84 100
49 140.3 93.5 140.3#
51 32.2 29.4 44.2
86 55.2 53.0 79.4

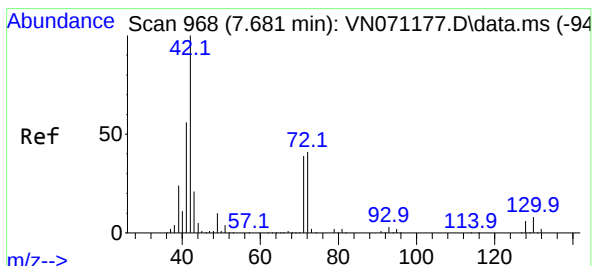
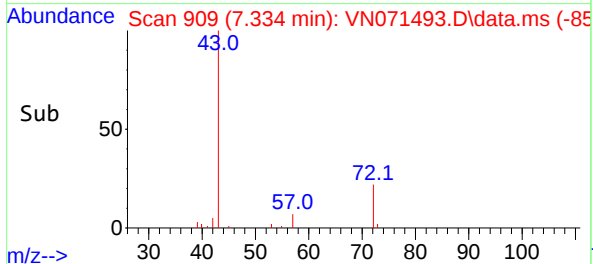
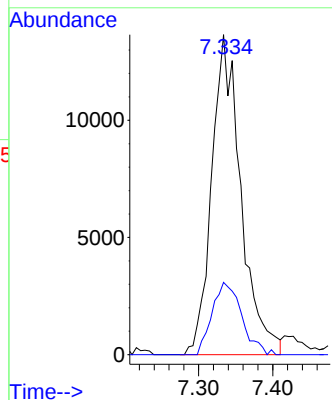
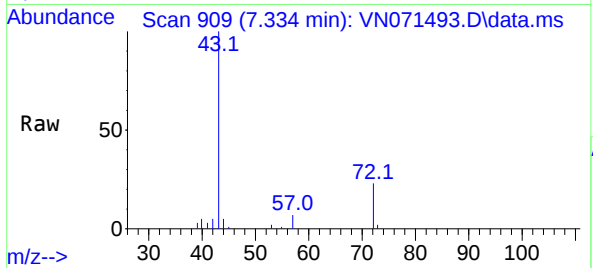




#25
2-Butanone
Concen: 4.285 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

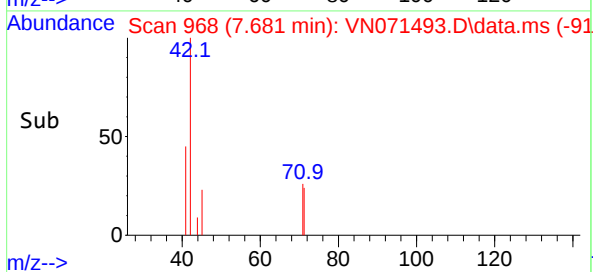
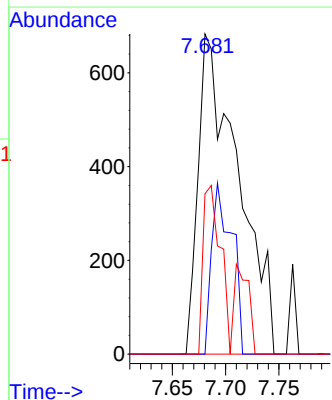
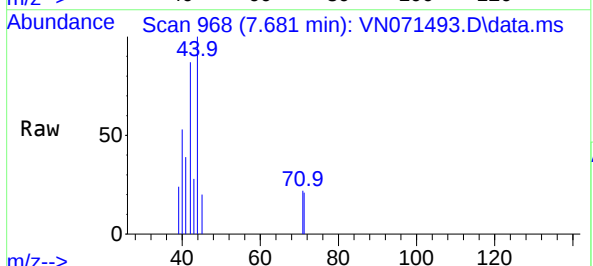
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MSVOA_N
ClientSampleId :

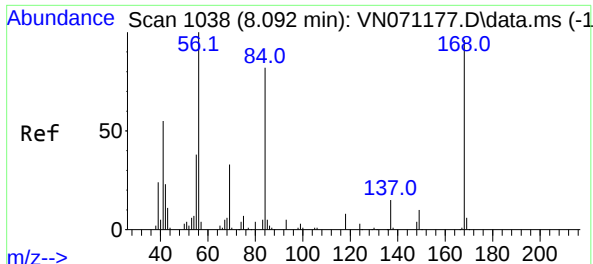
Tgt Ion: 43 Resp: 37253
Ion Ratio Lower Upper
43 100
72 22.6 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.296 ug/l
RT: 7.681 min Scan# 968
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 42 Resp: 1780
Ion Ratio Lower Upper
42 100
72 27.0 36.3 54.5#
71 22.9 34.7 52.1#





#31

Cyclohexane

Concen: 0.991 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071493.D

Acq: 23 Mar 2022 03:25

Instrument :

MSVOA_N

ClientSampleId :

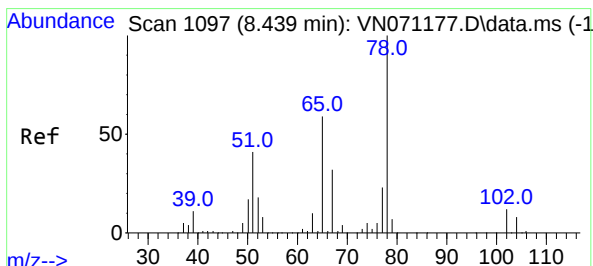
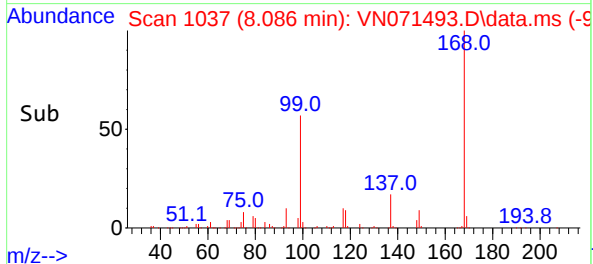
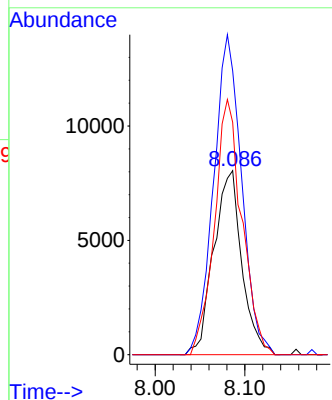
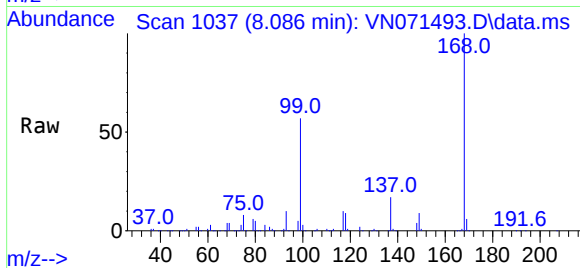
Tgt Ion: 56 Resp: 17546

Ion Ratio Lower Upper

56 100

69 154.3 27.1 40.7#

84 126.2 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 49.543 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071493.D

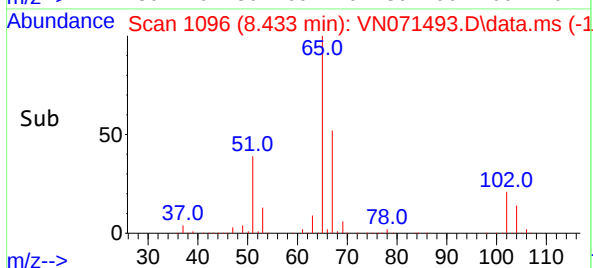
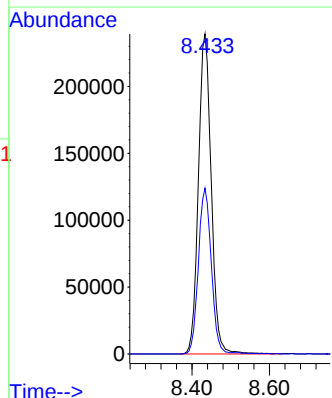
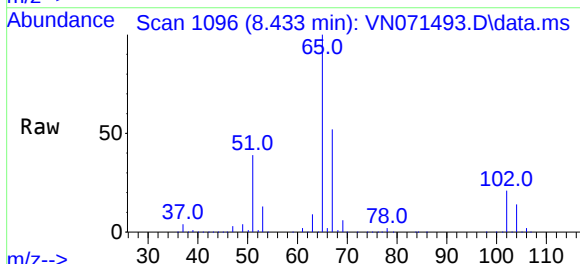
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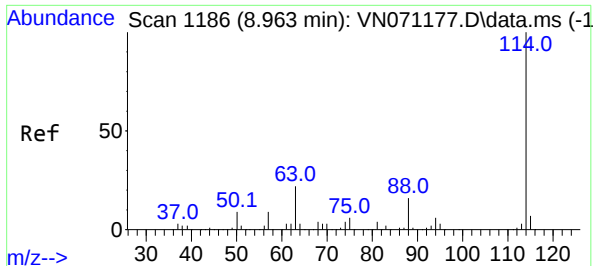
Tgt Ion: 65 Resp: 549524

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0

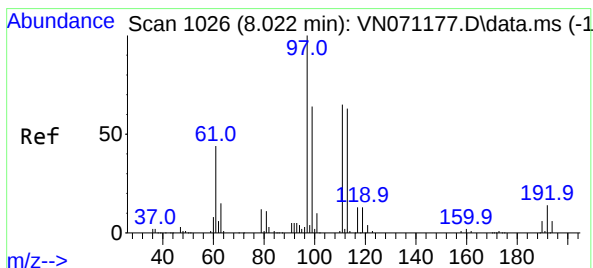
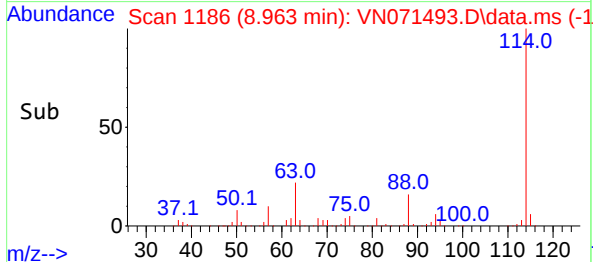
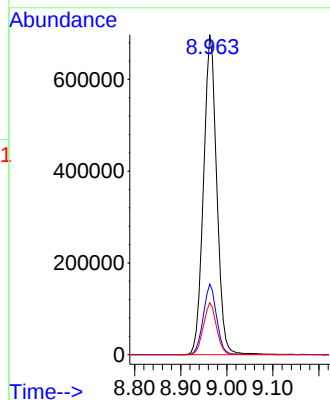
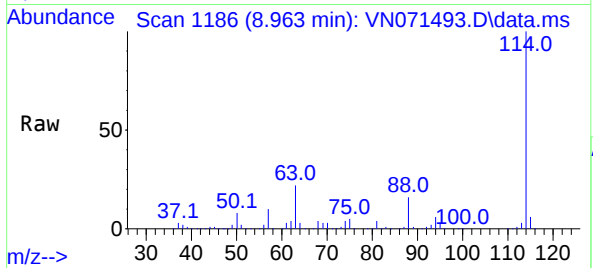




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

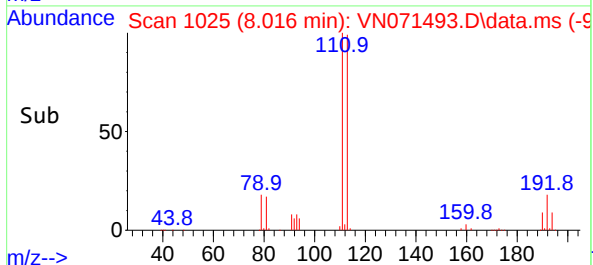
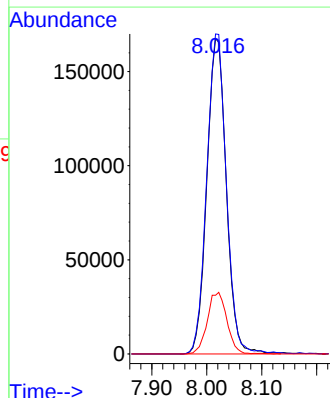
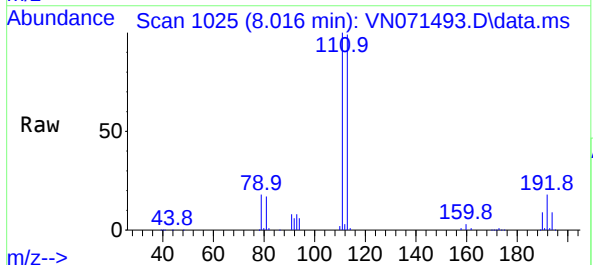
Instrument :
MSVOA_N
ClientSampleId :

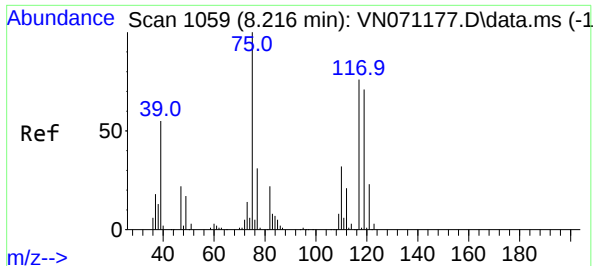
Tgt Ion:114 Resp: 1399820
Ion Ratio Lower Upper
114 100
63 22.0 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.570 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion:113 Resp: 411373
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 19.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.531 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN071493.D

Acq: 23 Mar 2022 03:25

Instrument :

MSVOA_N

ClientSampleId :

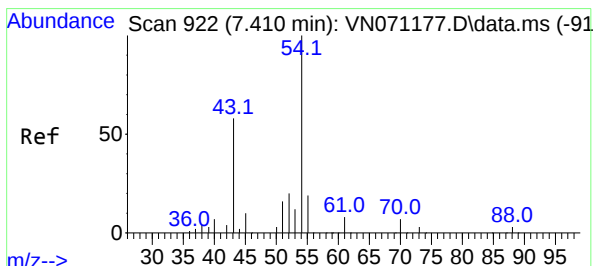
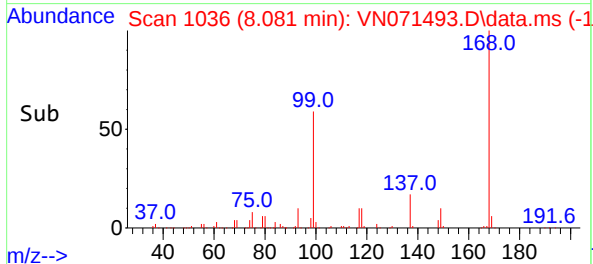
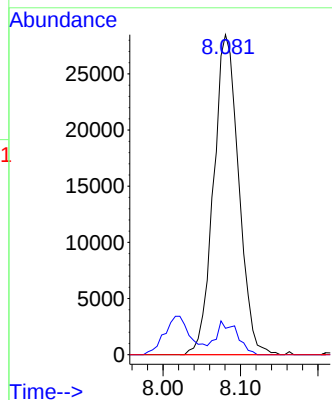
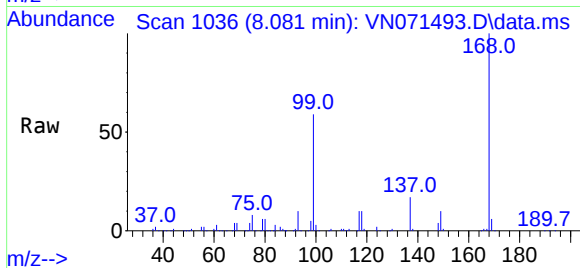
Tgt Ion: 75 Resp: 64121

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.913 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.076 min

Lab File: VN071493.D

Acq: 23 Mar 2022 03:25

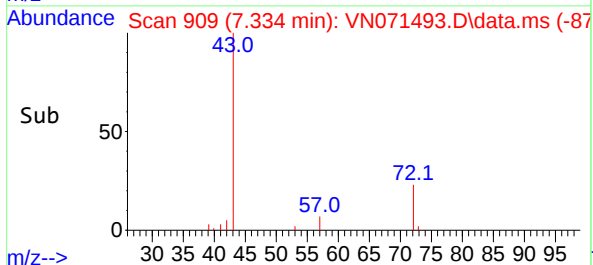
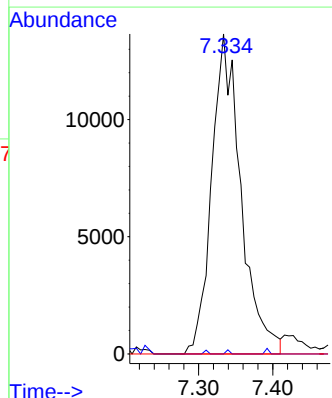
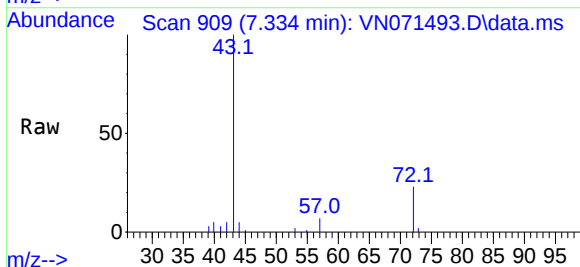
Tgt Ion: 43 Resp: 37253

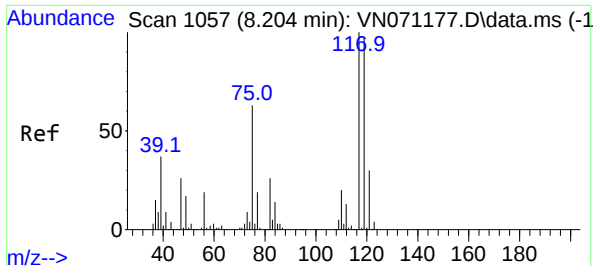
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

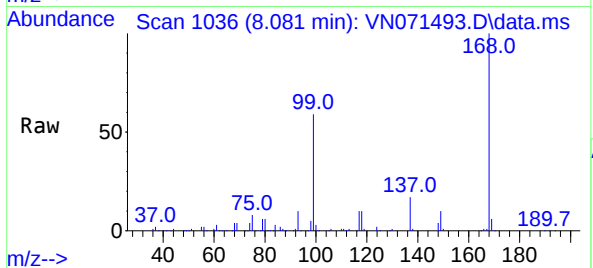
70 0.0 7.9 11.9#



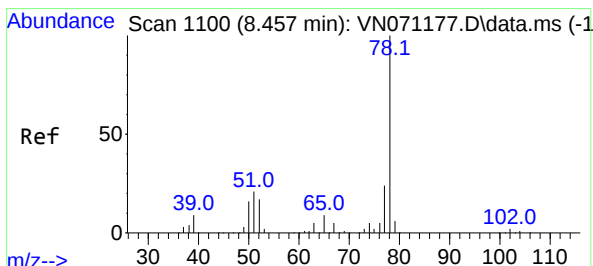
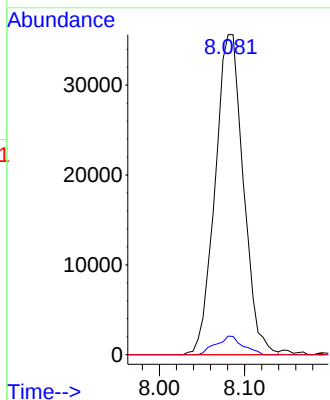
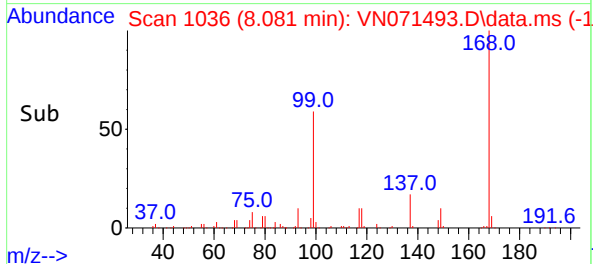


#38
Carbon Tetrachloride
Concen: 5.990 ug/l
RT: 8.081 min Scan# 1100
Delta R.T. -0.124 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Instrument :
MSVOA_N
ClientSampleId :

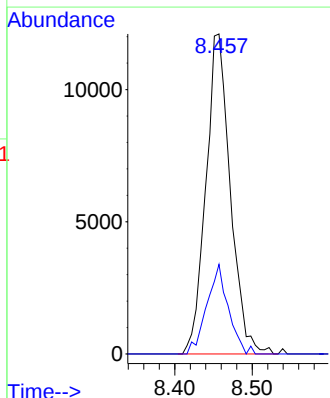
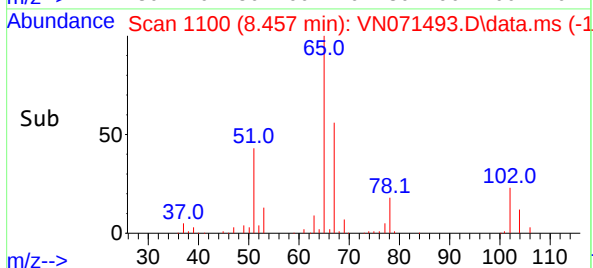
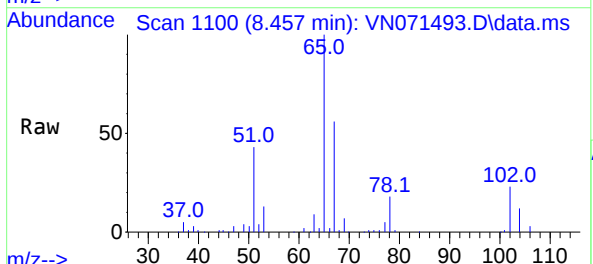


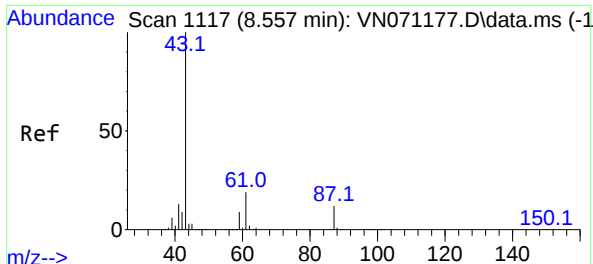
Tgt Ion:117 Resp: 82004
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.624 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 78 Resp: 26605
Ion Ratio Lower Upper
78 100
77 28.0 18.6 27.8#

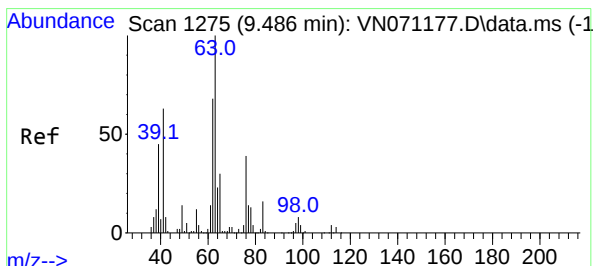
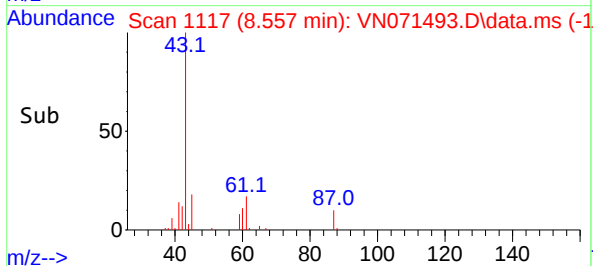
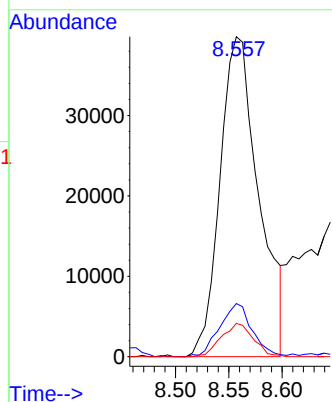
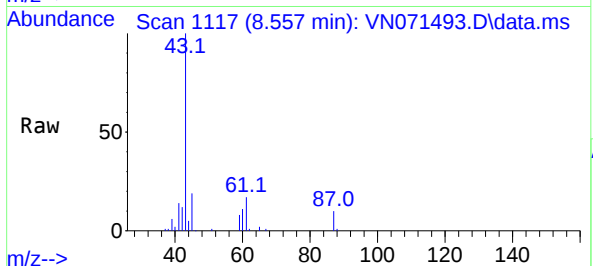




#43
Isopropyl Acetate
Concen: 3.462 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

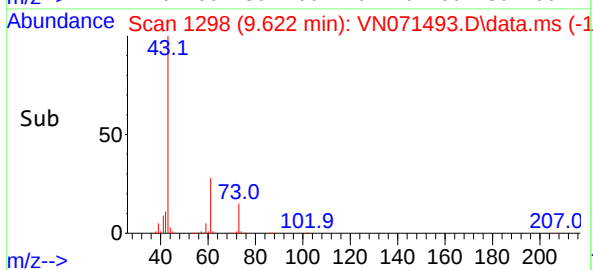
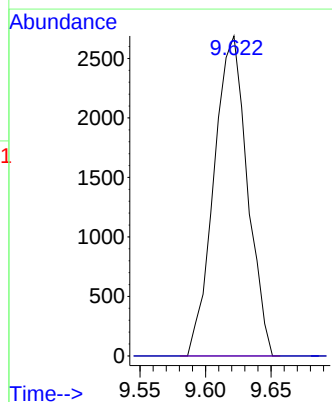
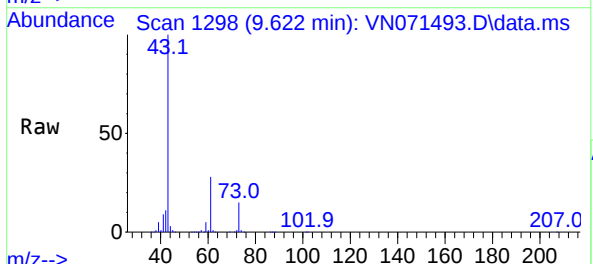
Instrument :
MSVOA_N
ClientSampleId :

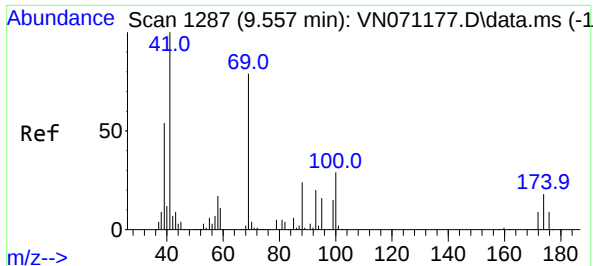
Tgt Ion: 43 Resp: 100852
Ion Ratio Lower Upper
43 100
61 13.9 20.4 30.6#
87 8.6 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.418 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 63 Resp: 4780
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

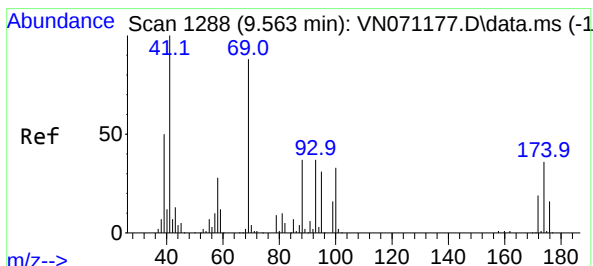
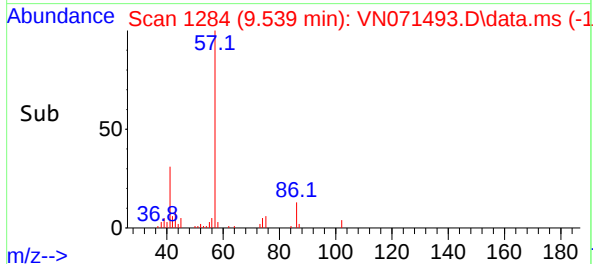
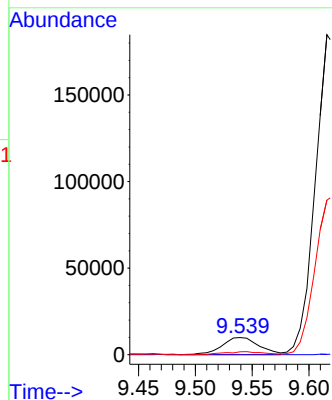
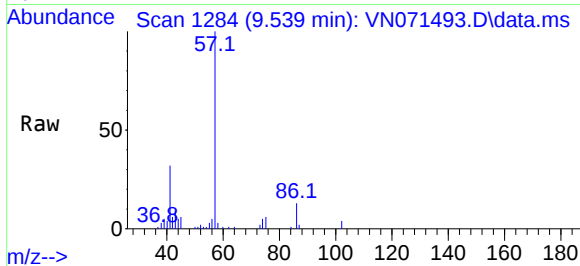




#48
Methyl methacrylate
Concen: 1.659 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

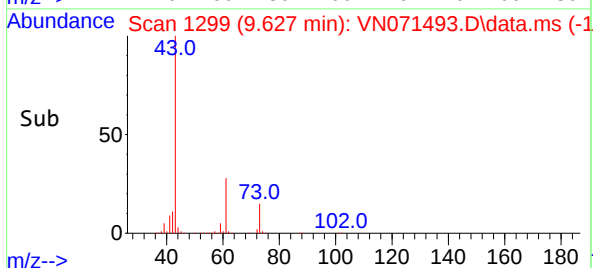
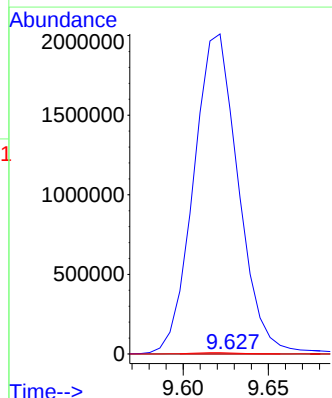
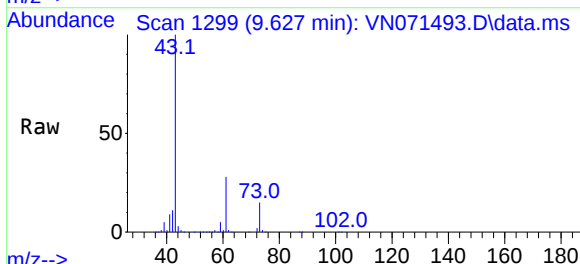
Instrument :
MSVOA_N
ClientSampleId :

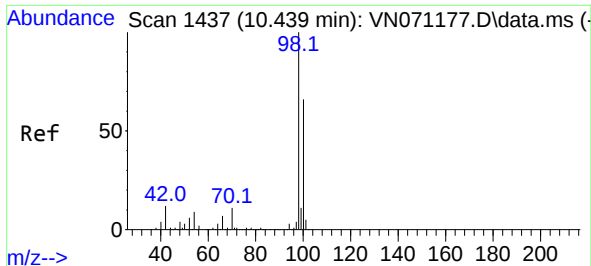
Tgt Ion: 41 Resp: 22390
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.902 ug/l
RT: 9.627 min Scan# 1299
Delta R.T. 0.064 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 88 Resp: 681
Ion Ratio Lower Upper
88 100
43 545784.0 23.4 35.2#
58 2263.7 50.6 75.8#

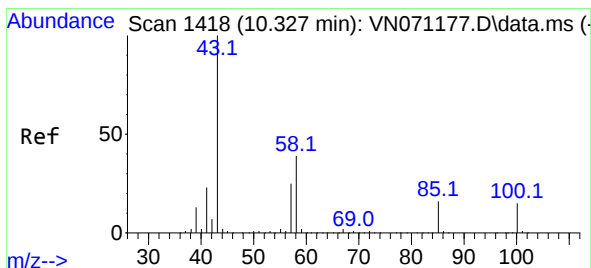
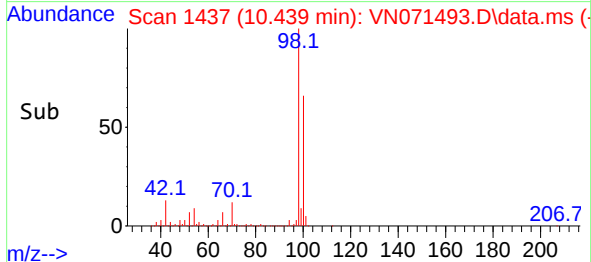
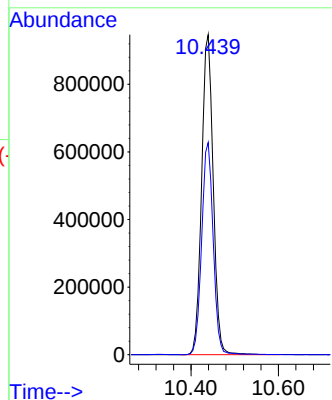
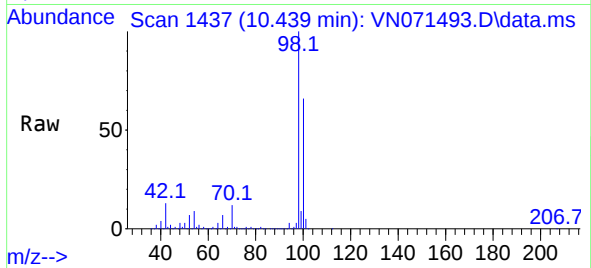




#50
Toluene-d8
Concen: 49.050 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

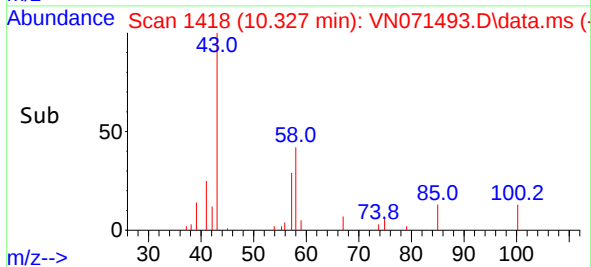
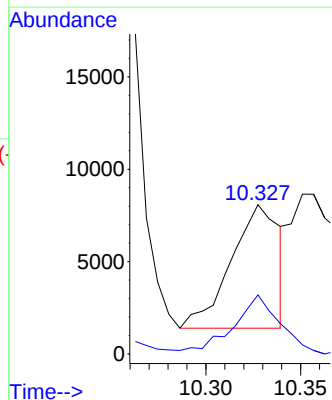
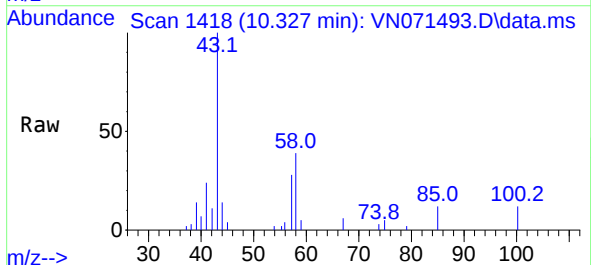
Instrument :
MSVOA_N
ClientSampleId :

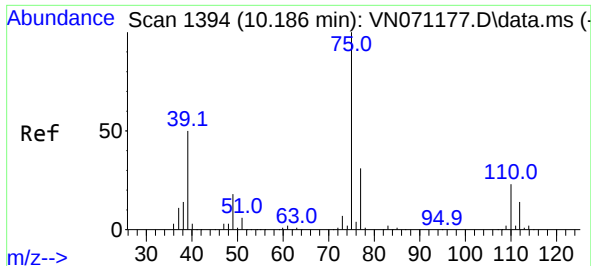
Tgt Ion: 98 Resp: 1744493
Ion Ratio Lower Upper
98 100
100 66.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.656 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 43 Resp: 11851
Ion Ratio Lower Upper
43 100
58 46.0 30.4 45.6#

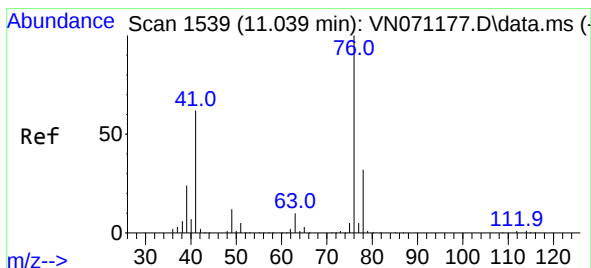
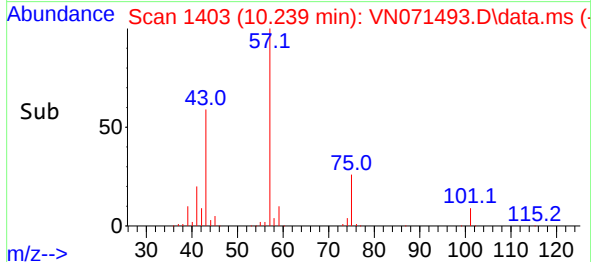
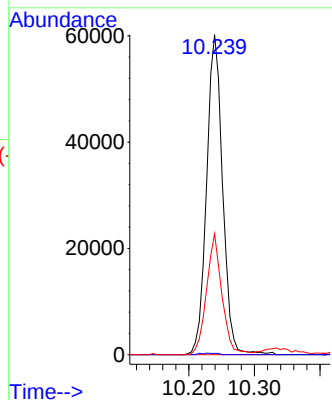
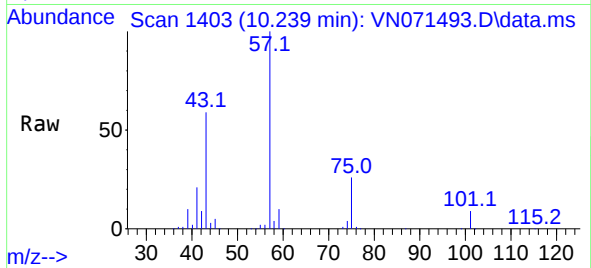




#54
cis-1,3-Dichloropropene
Concen: 5.984 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

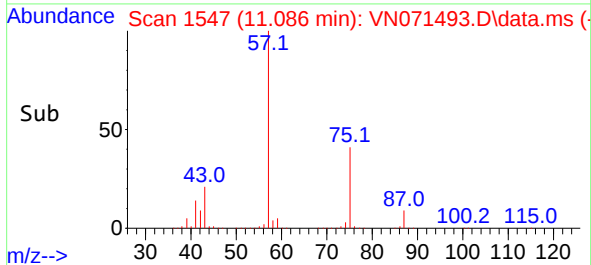
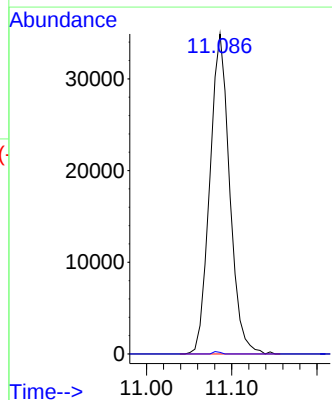
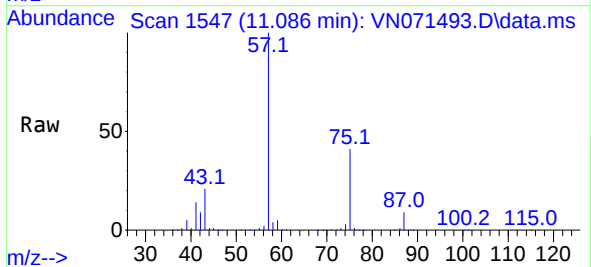
Instrument :
MSVOA_N
ClientSampleId :

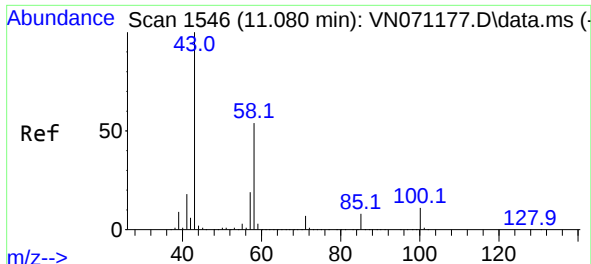
Tgt Ion: 75 Resp: 102621
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 37.8 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 2.987 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 76 Resp: 56410
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

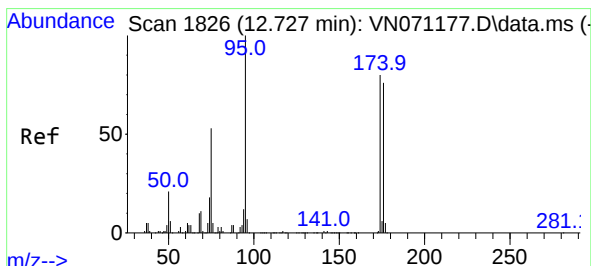
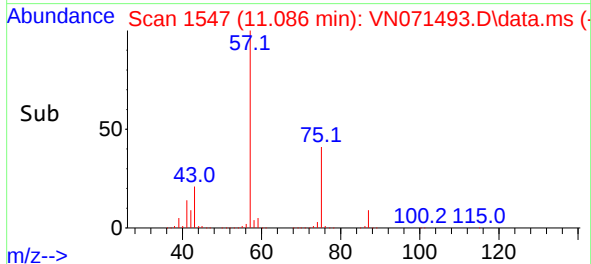
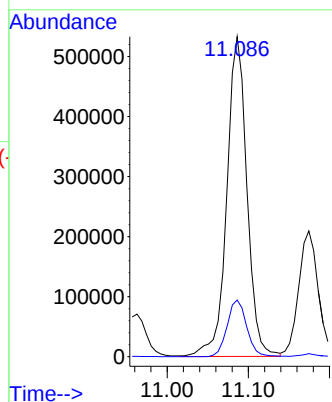
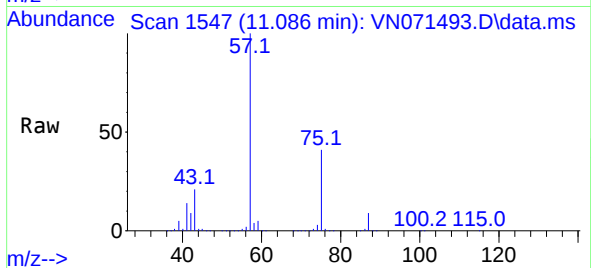




#59
2-Hexanone
Concen: 74.486 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

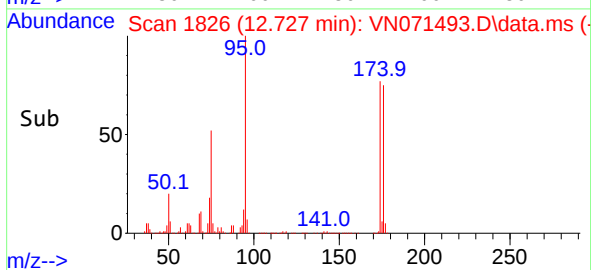
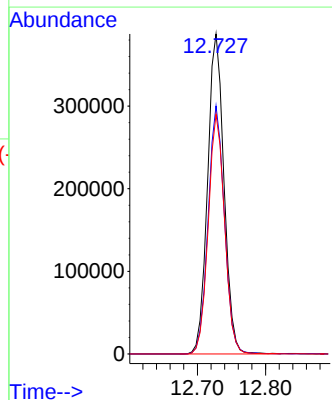
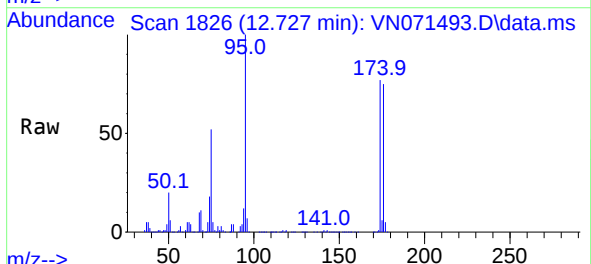
Instrument :
MSVOA_N
ClientSampleId :

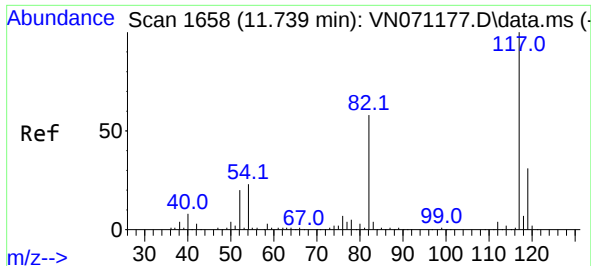
Tgt Ion: 43 Resp: 918702
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 53.763 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

Tgt Ion: 95 Resp: 647494
Ion Ratio Lower Upper
95 100
174 77.4 0.0 187.2
176 74.6 0.0 181.4

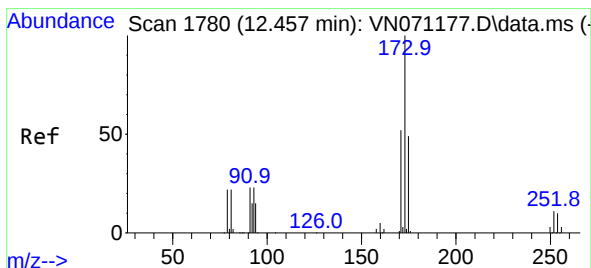
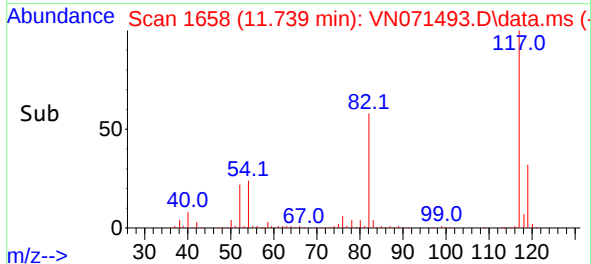
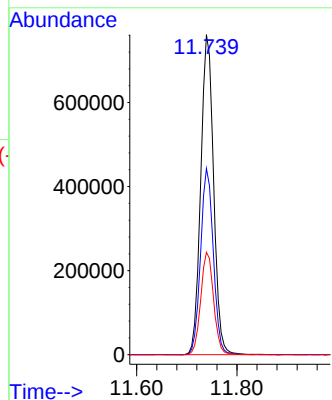
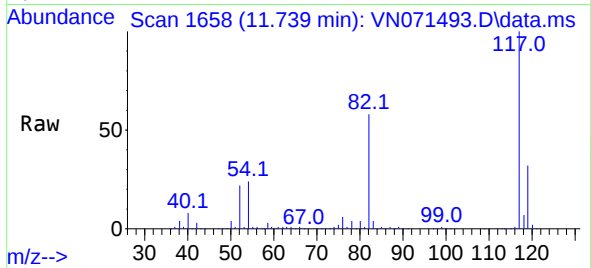




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

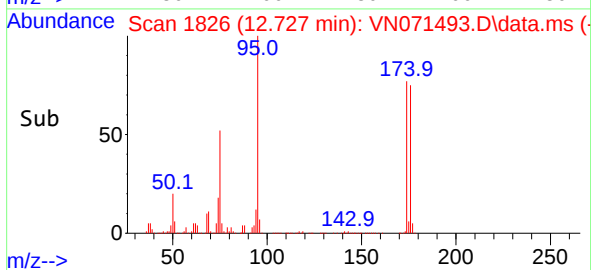
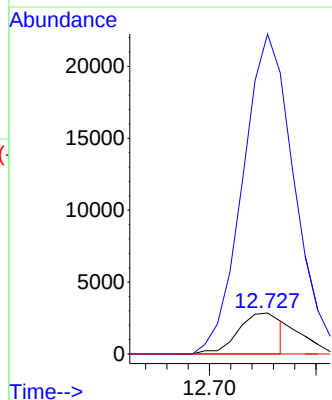
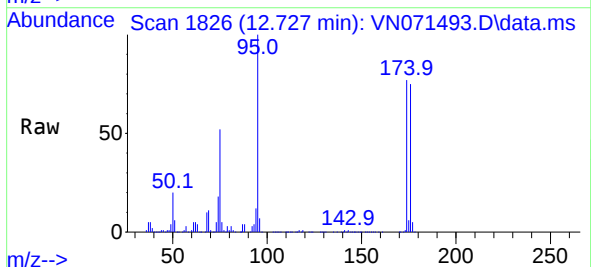
Instrument :
MSVOA_N
ClientSampleId :

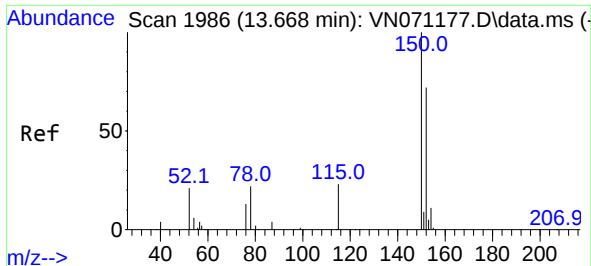
Tgt Ion:117 Resp: 1355773
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.490 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

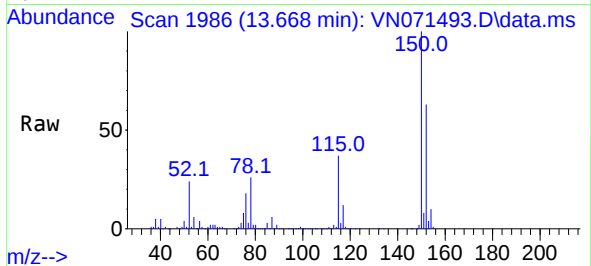
Tgt Ion:173 Resp: 3969
Ion Ratio Lower Upper
173 100
175 724.0 24.2 72.6#
254 0.0 0.0 0.0



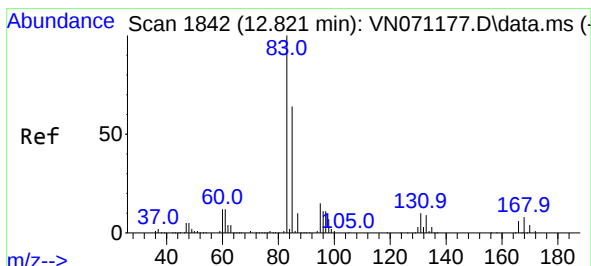
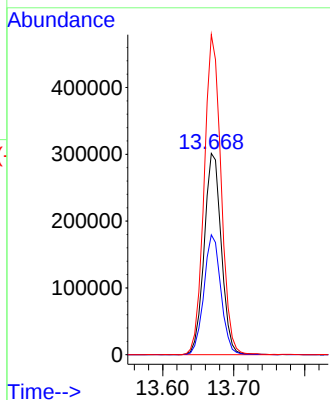
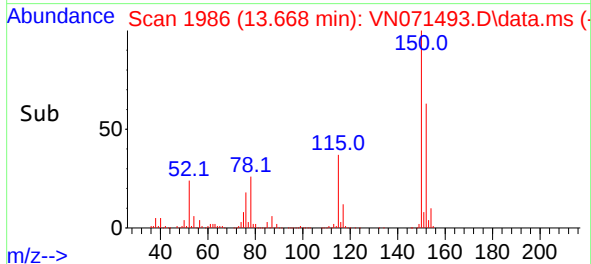


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

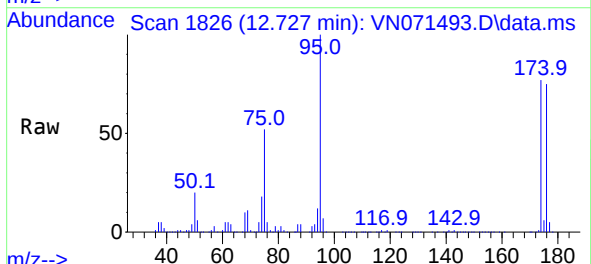
Instrument :
MSVOA_N
ClientSampleId :



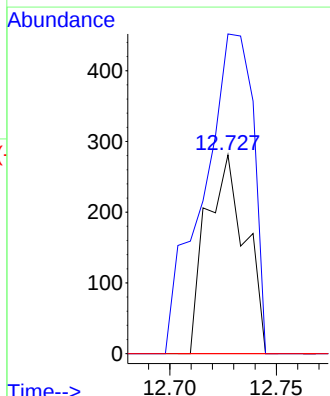
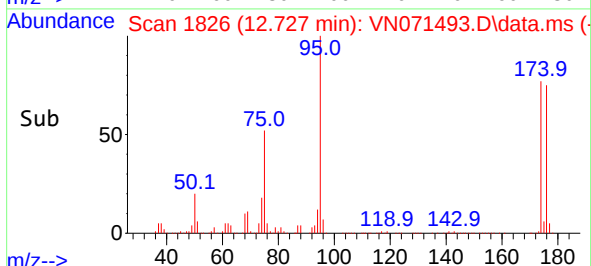
Tgt Ion:152 Resp: 505529
Ion Ratio Lower Upper
152 100
115 59.2 27.5 82.5
150 156.9 0.0 344.4

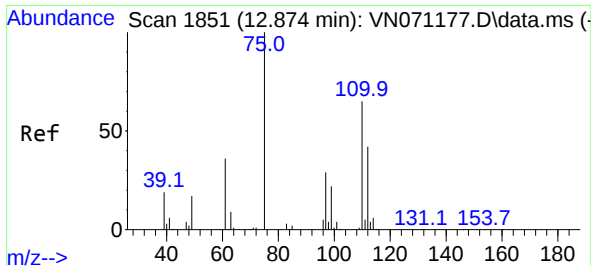


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25



Tgt Ion: 83 Resp: 356
Ion Ratio Lower Upper
83 100
131 207.6 5.5 16.5#
85 0.0 32.4 97.2#

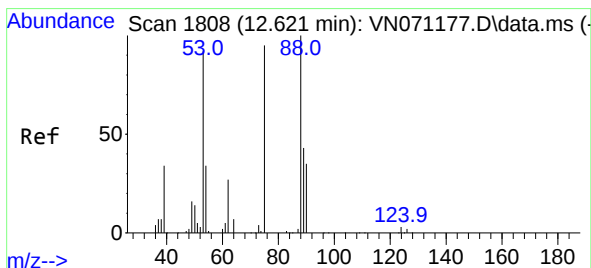
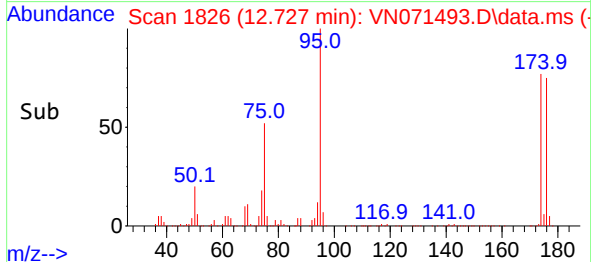
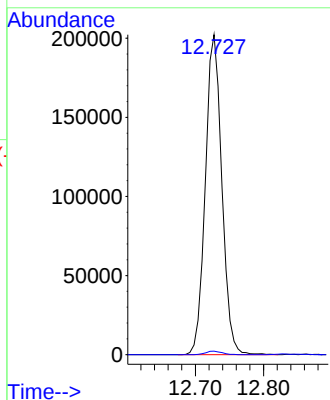
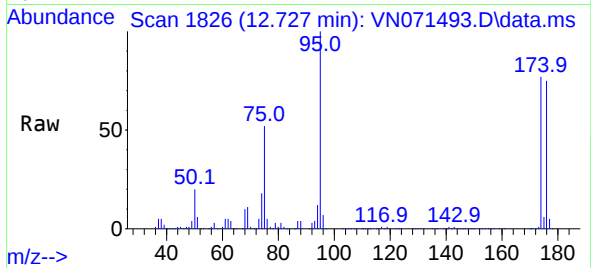




#76
1,2,3-Trichloropropane
Concen: 26.455 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

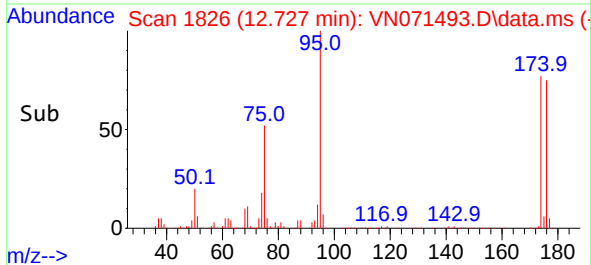
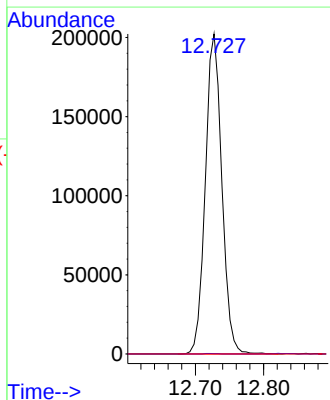
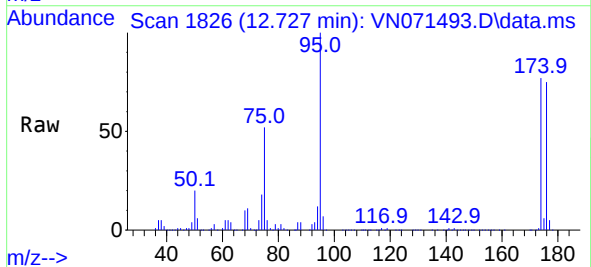
Instrument :
MSVOA_N
ClientSampleId :

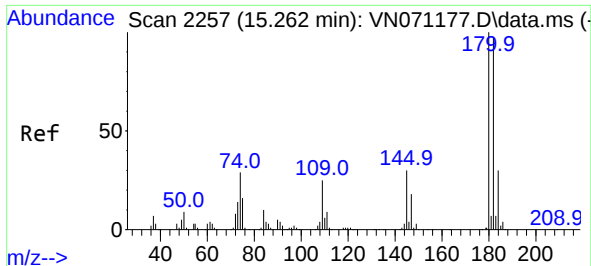
Tgt Ion: 75 Resp: 340420
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.794 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

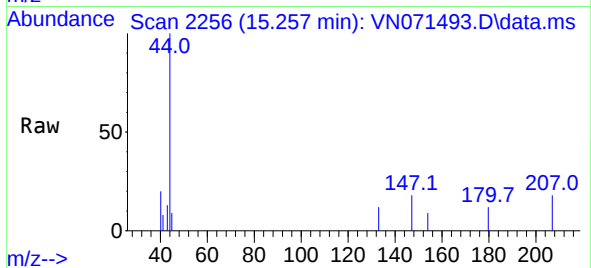
Tgt Ion: 75 Resp: 340420
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



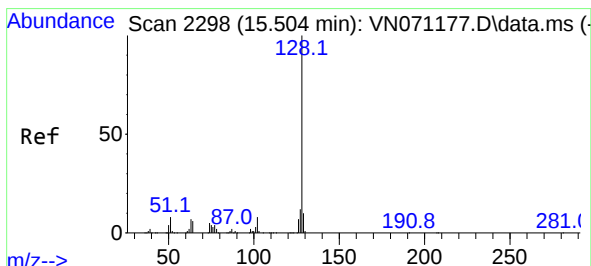
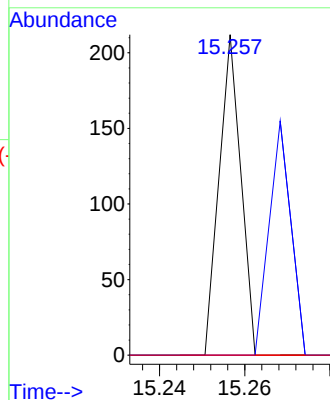
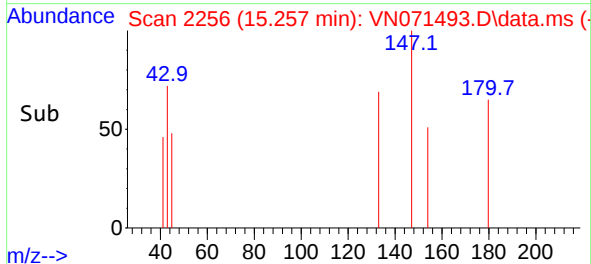


#93
1,2,4-Trichlorobenzene
Concen: 2.998 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25

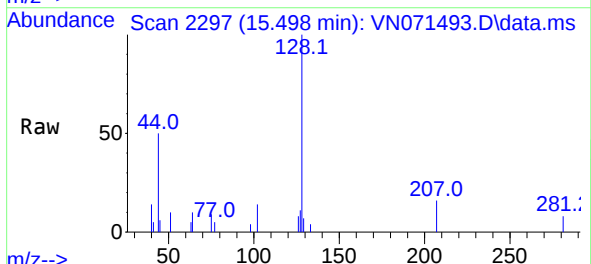
Instrument :
MSVOA_N
ClientSampleId :



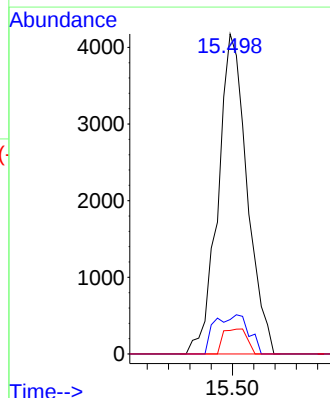
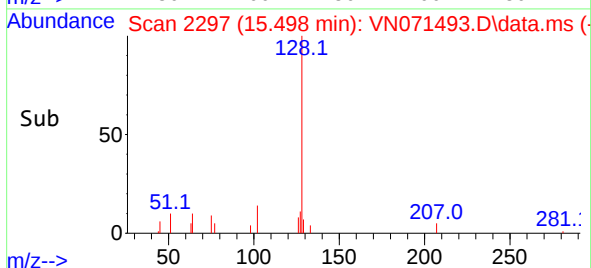
Tgt Ion:180 Resp: 75
Ion Ratio Lower Upper
180 100
182 73.3 48.3 144.9
145 0.0 14.5 43.5#

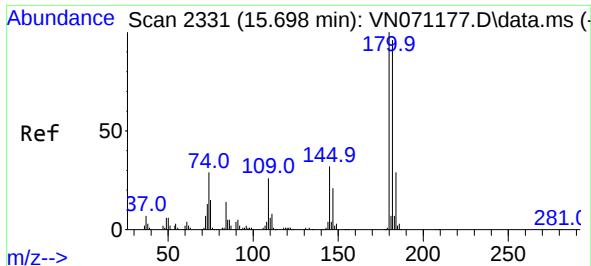


#95
Naphthalene
Concen: 5.374 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071493.D
Acq: 23 Mar 2022 03:25



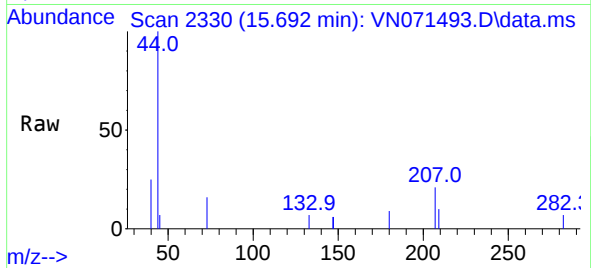
Tgt Ion:128 Resp: 7898
Ion Ratio Lower Upper
128 100
127 14.3 10.5 15.7
129 6.4 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.741 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071493.D
 Acq: 23 Mar 2022 03:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 73
 Ion Ratio Lower Upper
 180 100
 182 220.5 47.4 142.2#
 145 0.0 15.0 45.1#

