

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069893.D
 Acq On : 9 Dec 2021 5:37
 Operator : JC/MD
 Sample : M4959-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Dec 09 11:59:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

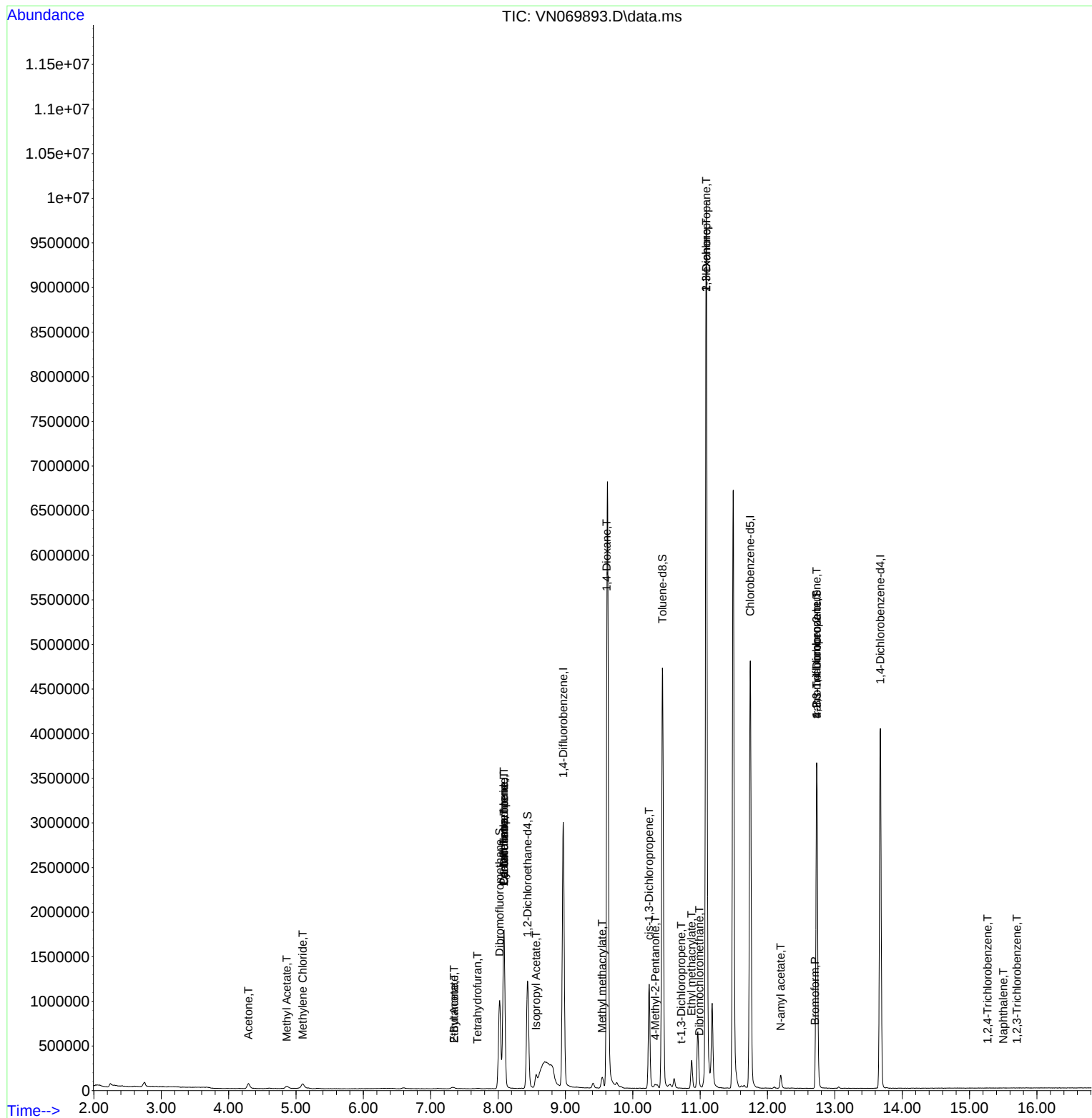
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1315027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2455414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2693235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1078475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1049800	51.704	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 103.400%		
35) Dibromofluoromethane	8.024	113	725386	47.164	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 94.320%		
50) Toluene-d8	10.440	98	3212131	52.013	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 104.020%		
62) 4-Bromofluorobenzene	12.731	95	1272762	56.888	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 113.780%		
Target Compounds						Qvalue
16) Acetone	4.293	43	106068	8.684	ug/l	98
18) Methyl Acetate	4.865	43	61149	1.659	ug/l	91
20) Methylene Chloride	5.101	84	35791	2.204	ug/l #	86
25) 2-Butanone	7.345	43	17743	1.069	ug/l	90
29) Tetrahydrofuran	7.694	42	2941	0.292	ug/l #	77
31) Cyclohexane	8.088	56	33479	1.185	ug/l #	38
36) 1,1-Dichloropropene	8.086	75	114093	4.881	ug/l #	49
37) Ethyl Acetate	7.345	43	17743	0.510	ug/l #	68
38) Carbon Tetrachloride	8.088	117	133752	5.835	ug/l #	16
43) Isopropyl Acetate	8.563	43	187767	3.647	ug/l #	78
48) Methyl methacrylate	9.545	41	36682	1.527	ug/l #	8
49) 1,4-Dioxane	9.614	88	310	0.719	ug/l #	27
51) 4-Methyl-2-Pentanone	10.336	43	19789	0.593	ug/l #	77
53) t-1,3-Dichloropropene	10.719	75	115	2.798	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	185874	7.932	ug/l #	72
56) Ethyl methacrylate	10.872	69	2065	2.339	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	98379	3.175	ug/l #	43
59) 2-Hexanone	11.089	43	1775591	70.278	ug/l #	47
60) Dibromochloromethane	10.990	129	85	2.381	ug/l #	11
71) Bromoform	12.704	173	78	2.735	ug/l #	29
74) N-amyl acetate	12.194	43	53441	1.259	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	713374	23.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	713374	73.420	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	240	2.891	ug/l #	53
95) Naphthalene	15.501	128	1906	4.018	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.702	180	238	2.449	ug/l #	65

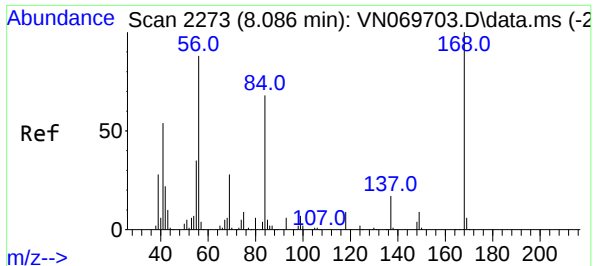
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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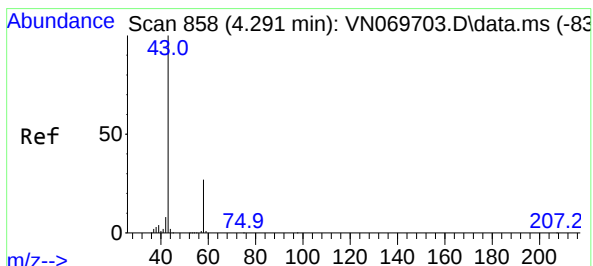
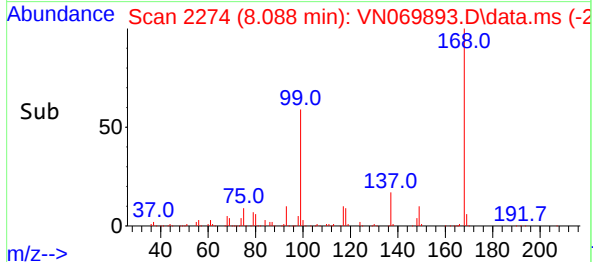
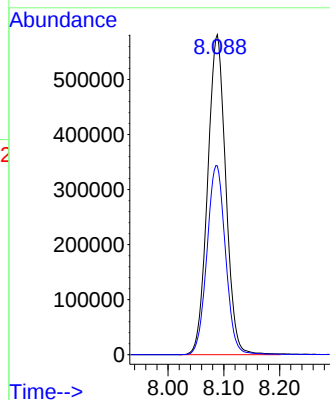
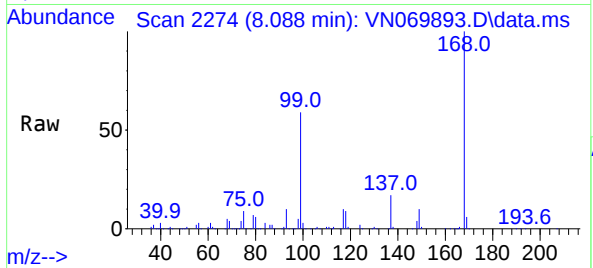




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

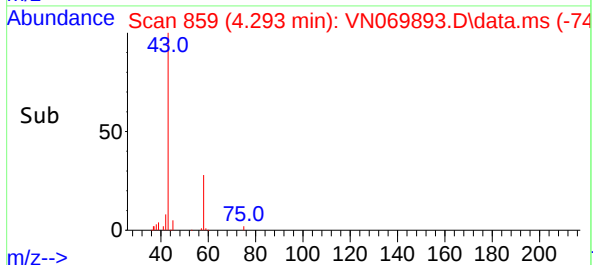
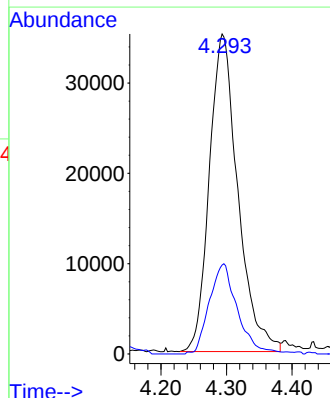
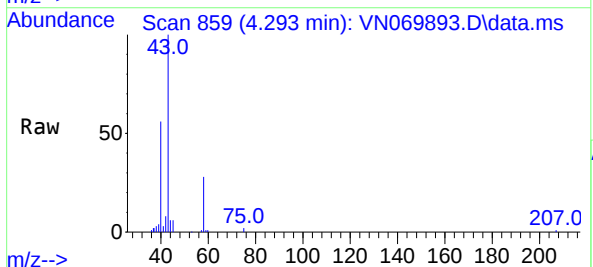
Instrument :
MSVOA_N
ClientSampleId :
TP-2

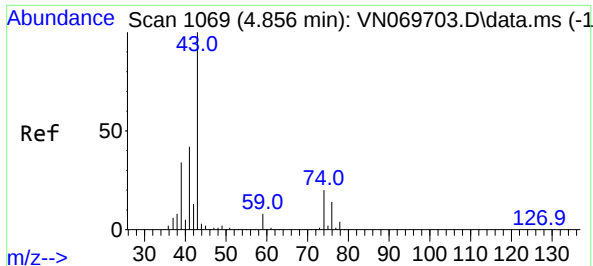
Tgt Ion:168 Resp: 1315027
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#16
Acetone
Concen: 8.684 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 43 Resp: 106068
Ion Ratio Lower Upper
43 100
58 28.0 23.1 34.7

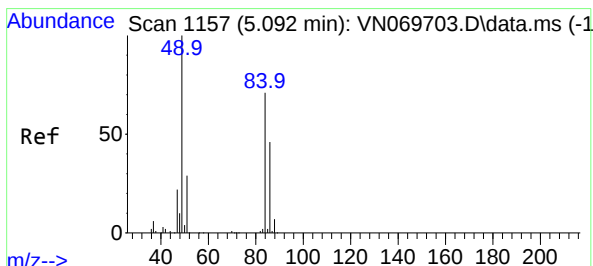
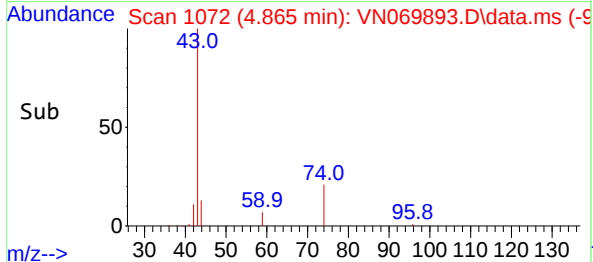
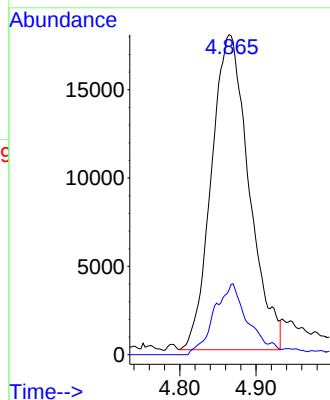
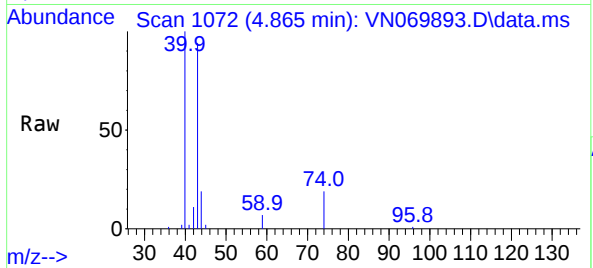




#18
Methyl Acetate
Concen: 1.659 ug/l
RT: 4.865 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

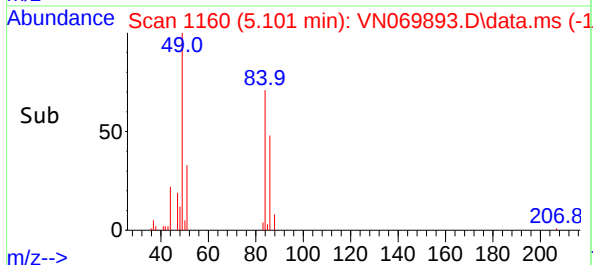
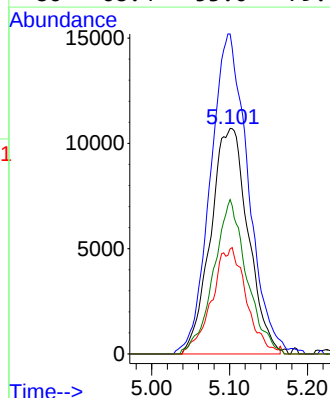
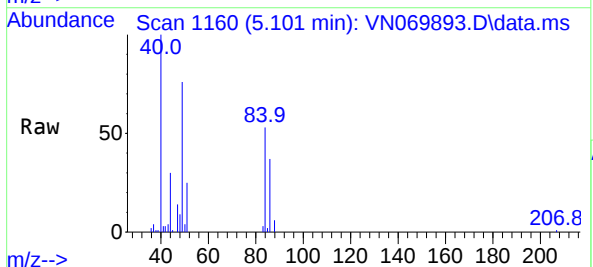
Instrument :
MSVOA_N
ClientSampleId :
TP-2

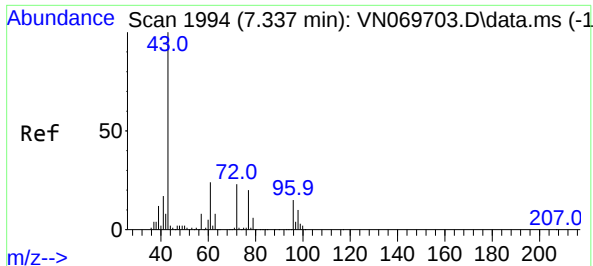
Tgt Ion: 43 Resp: 61149
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.2



#20
Methylene Chloride
Concen: 2.204 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 84 Resp: 35791
Ion Ratio Lower Upper
84 100
49 139.0 93.5 140.3
51 46.5 29.4 44.2#
86 68.4 53.0 79.4

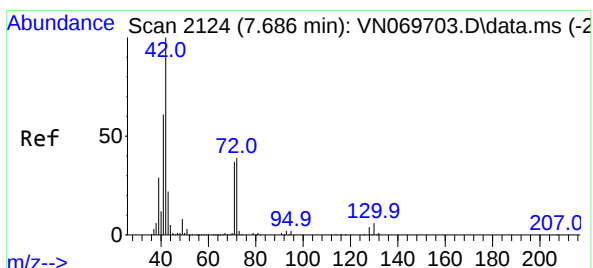
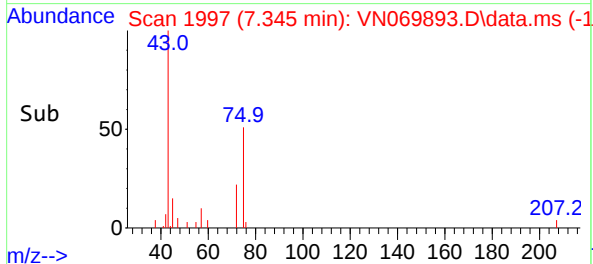
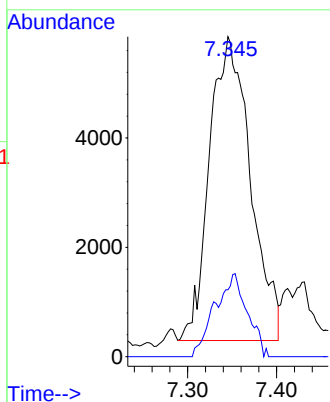
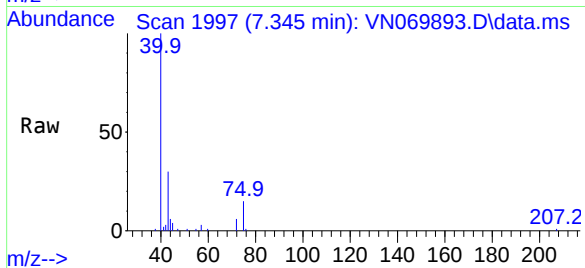




#25
2-Butanone
Concen: 1.069 ug/l
RT: 7.345 min Scan# 1994
Delta R.T. 0.008 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

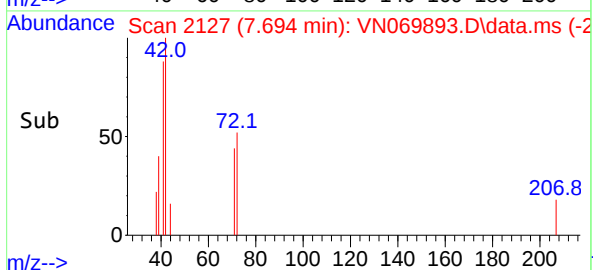
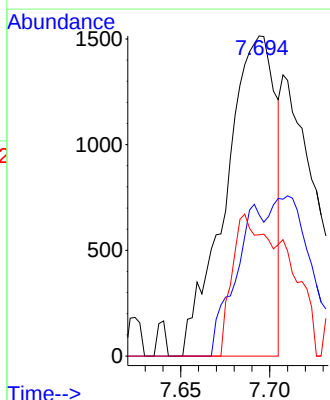
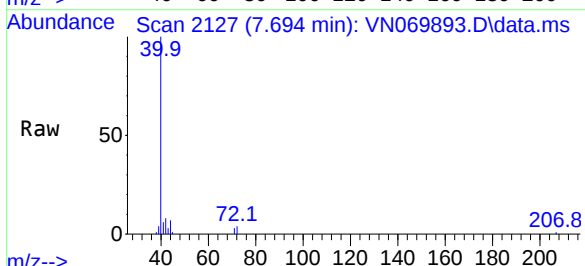
Instrument :
MSVOA_N
ClientSampleId :
TP-2

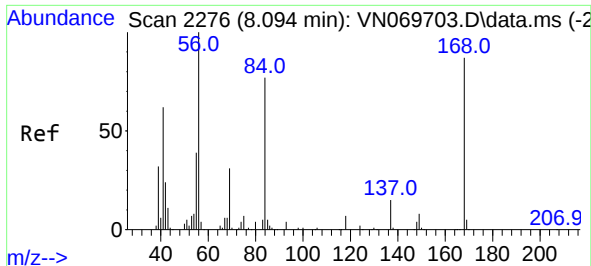
Tgt Ion: 43 Resp: 17743
Ion Ratio Lower Upper
43 100
72 22.0 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.292 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.008 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

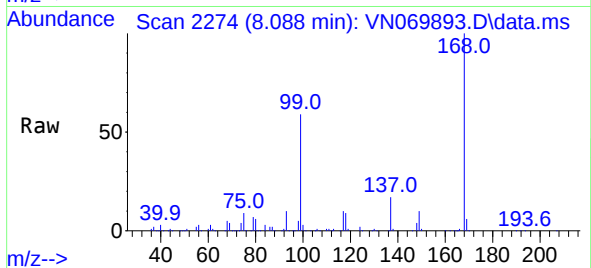
Tgt Ion: 42 Resp: 2941
Ion Ratio Lower Upper
42 100
72 27.6 36.3 54.5#
71 31.7 34.7 52.1#



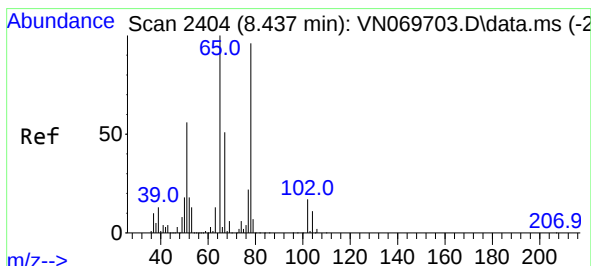
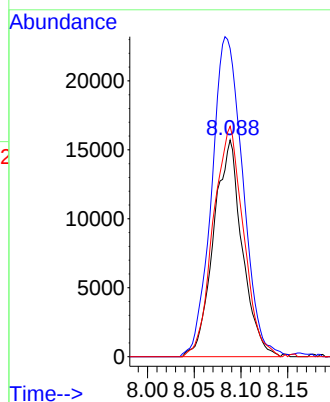
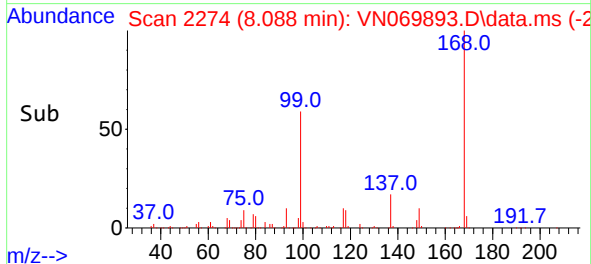


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Instrument :
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ClientSampleId :
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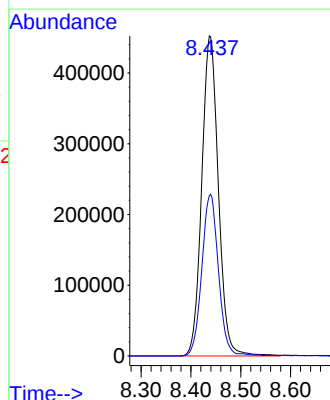
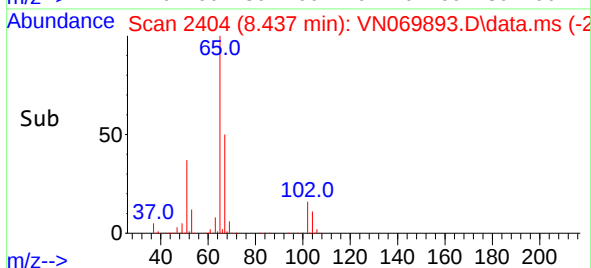
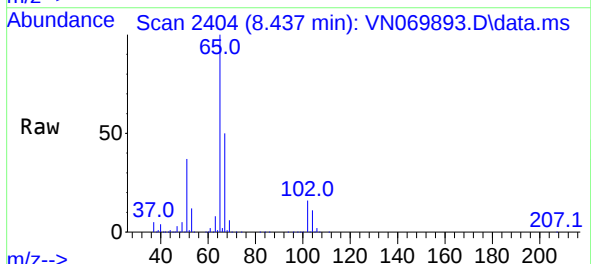


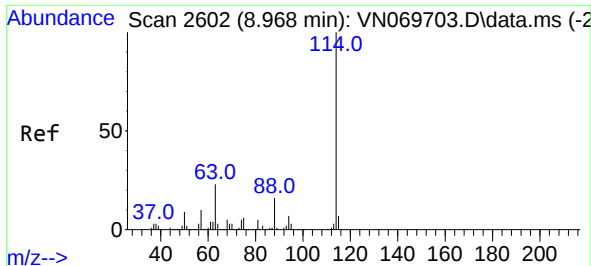
Tgt Ion: 56 Resp: 33479
Ion Ratio Lower Upper
56 100
69 142.2 27.1 40.7#
84 106.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.704 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 65 Resp: 1049800
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0

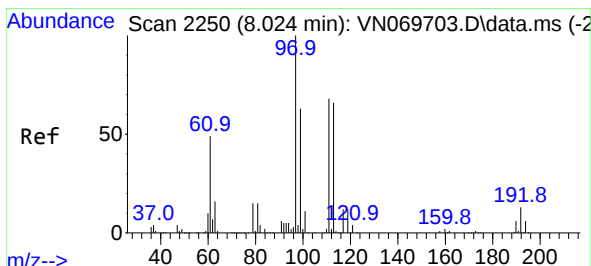
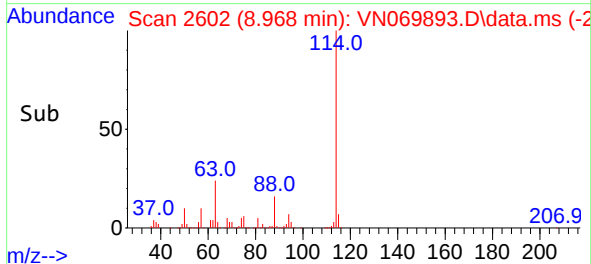
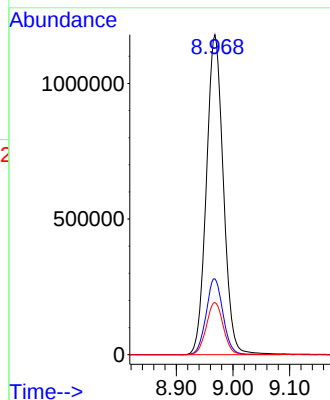
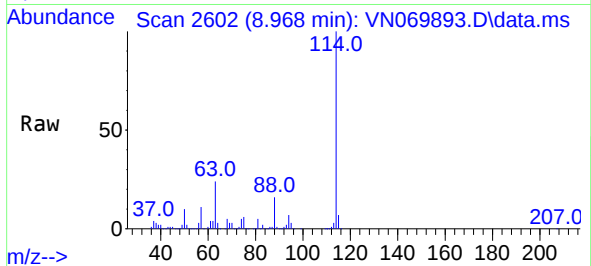




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

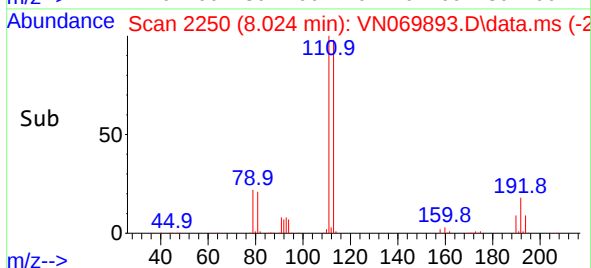
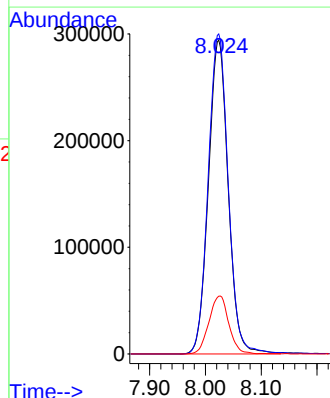
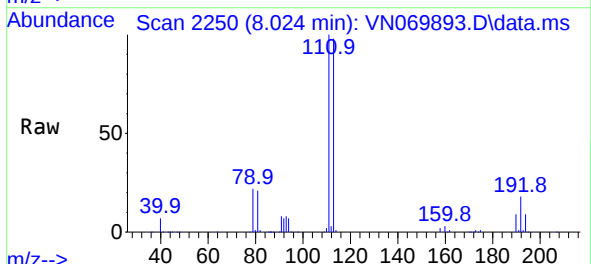
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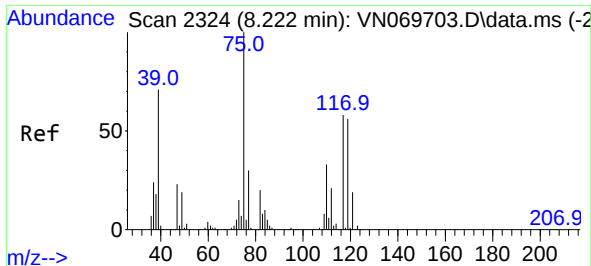
Tgt Ion:114 Resp: 2455414
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.164 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion:113 Resp: 725386
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.6 16.9 25.3

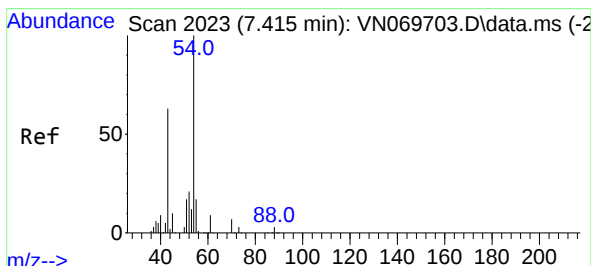
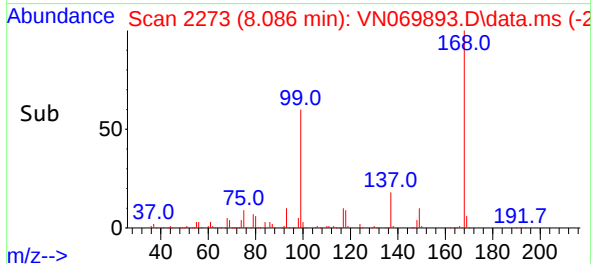
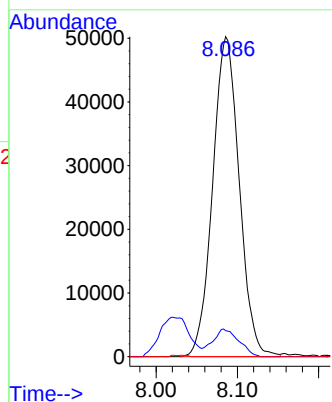
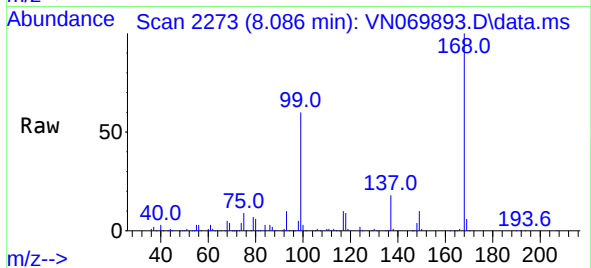




#36
1,1-Dichloropropene
Concen: 4.881 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

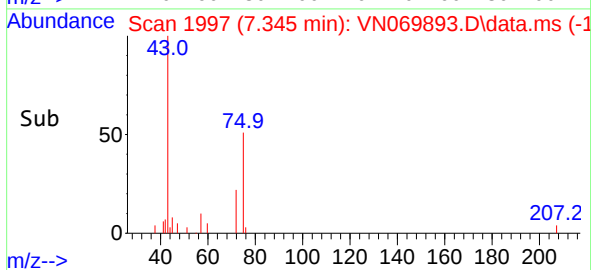
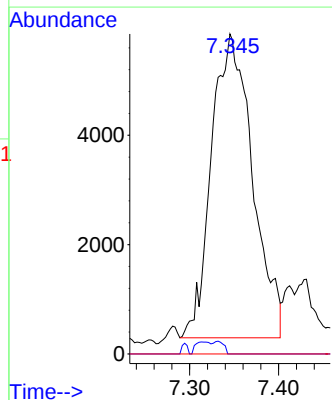
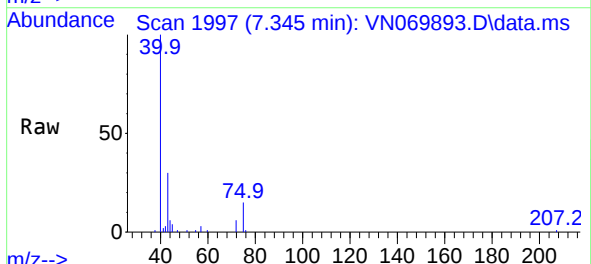
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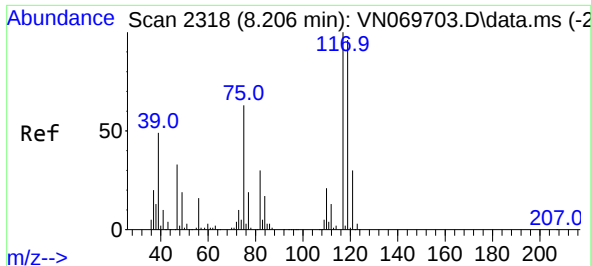
Tgt Ion: 75 Resp: 114093
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.510 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.070 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 43 Resp: 17743
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

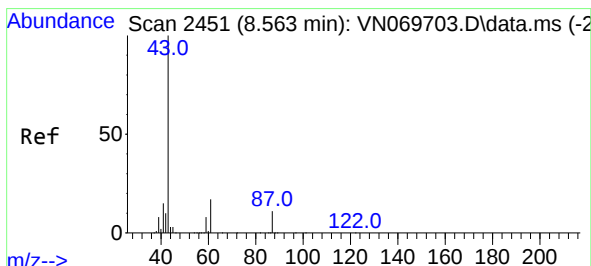
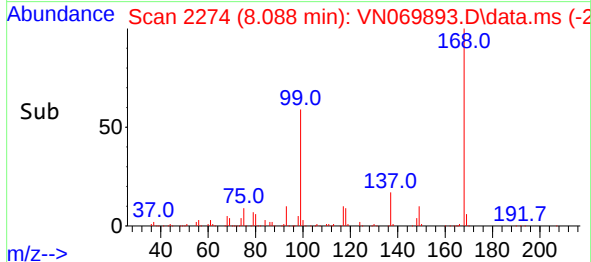
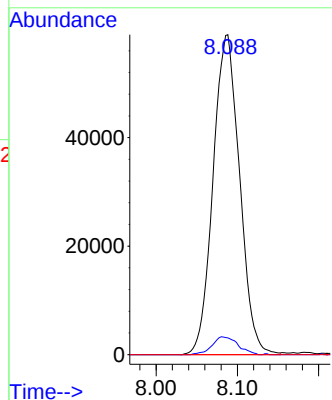
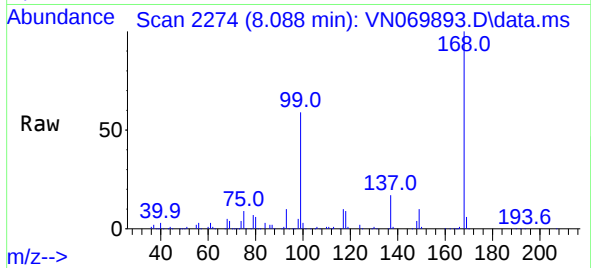




#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 8.088 min Scan# 2117
Delta R.T. -0.118 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

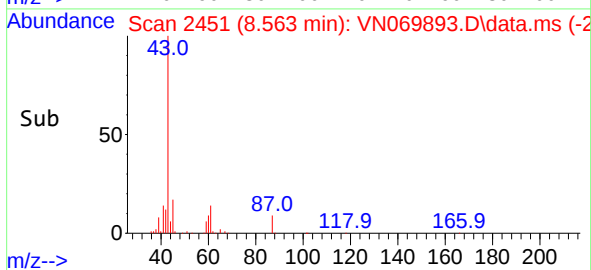
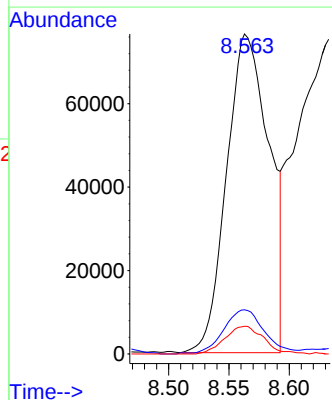
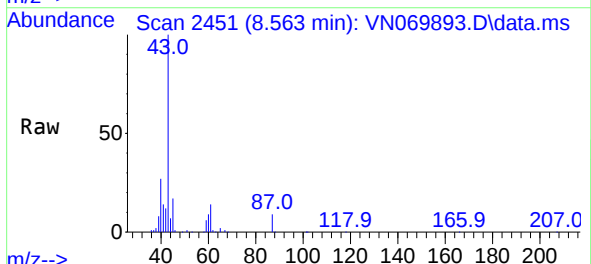
Instrument :
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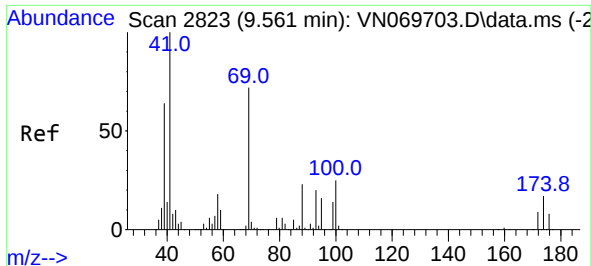
Tgt Ion:117 Resp: 133752
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.647 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 43 Resp: 187767
Ion Ratio Lower Upper
43 100
61 12.5 20.4 30.6#
87 7.9 11.2 16.8#

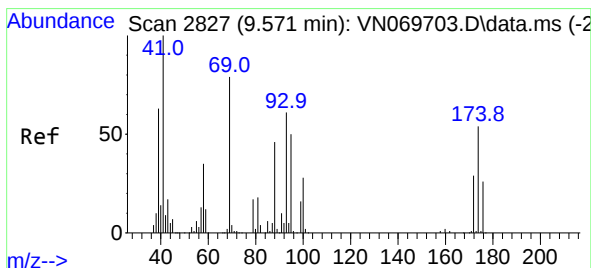
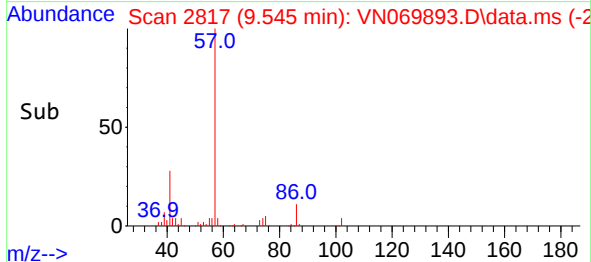
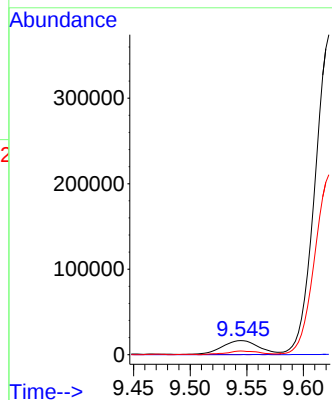
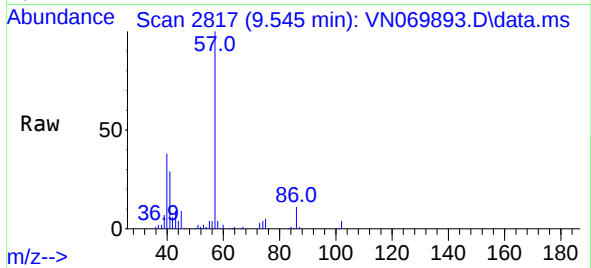




#48
Methyl methacrylate
Concen: 1.527 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

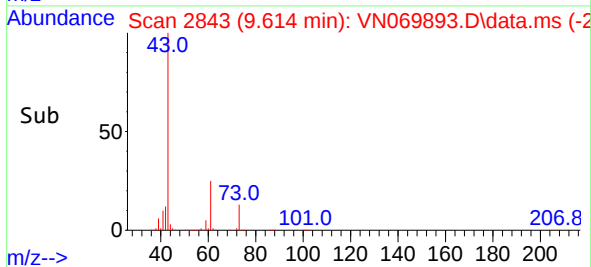
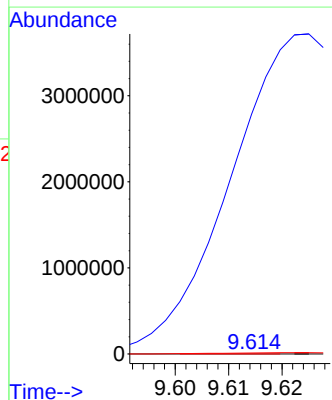
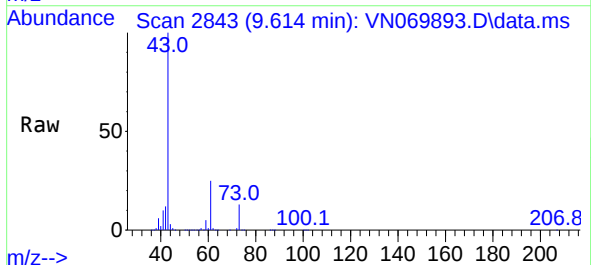
Instrument :
MSVOA_N
ClientSampleId :
TP-2

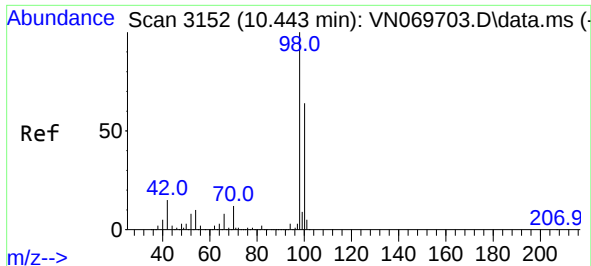
Tgt Ion: 41 Resp: 36682
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.719 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.043 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 88 Resp: 310
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

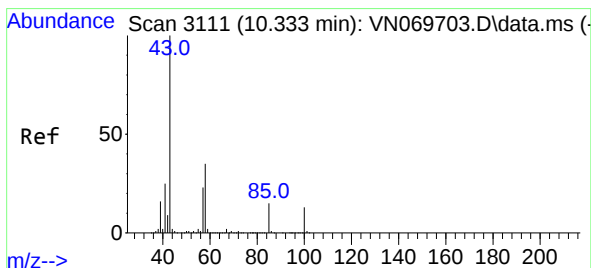
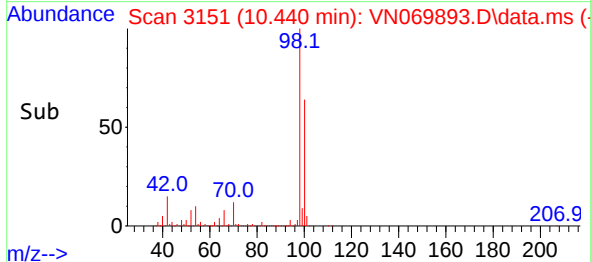
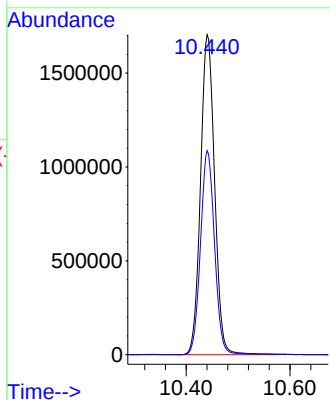
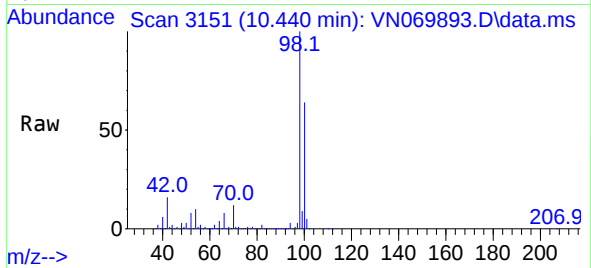




#50
Toluene-d8
Concen: 52.013 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

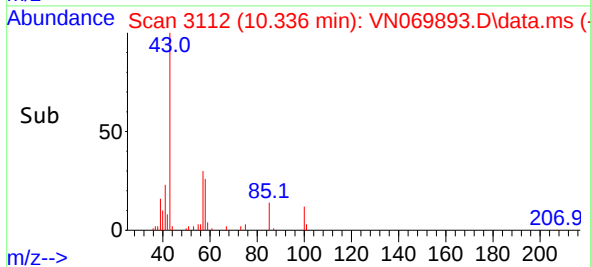
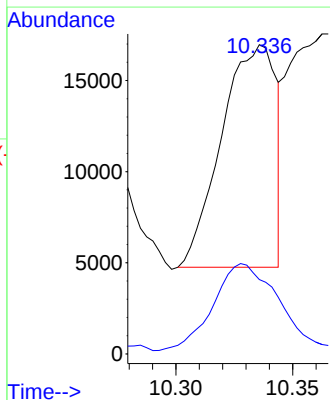
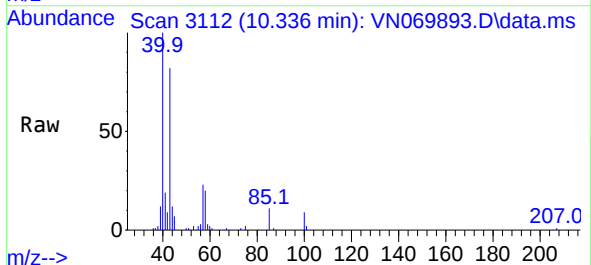
Instrument :
MSVOA_N
ClientSampleId :
TP-2

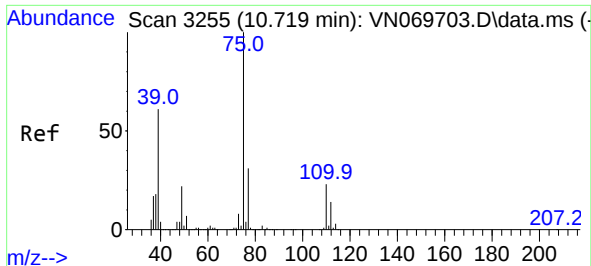
Tgt Ion: 98 Resp: 3212131
Ion Ratio Lower Upper
98 100
100 63.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.593 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 43 Resp: 19789
Ion Ratio Lower Upper
43 100
58 51.9 30.4 45.6#

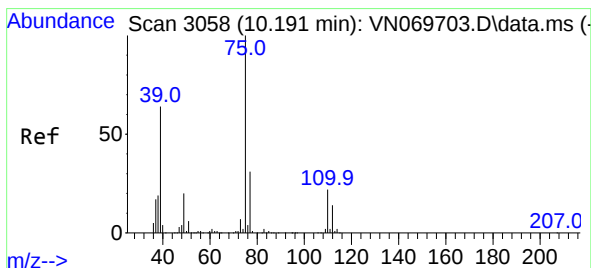
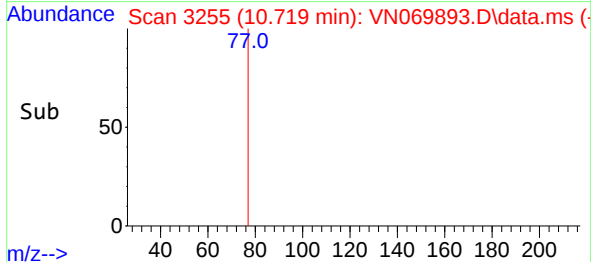
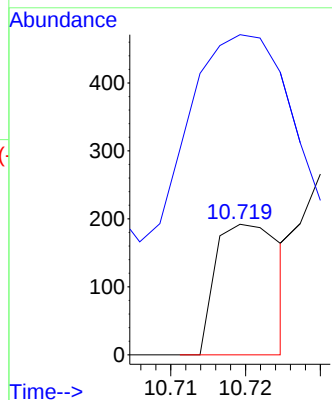
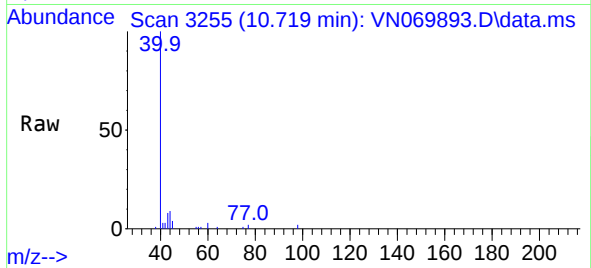




#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

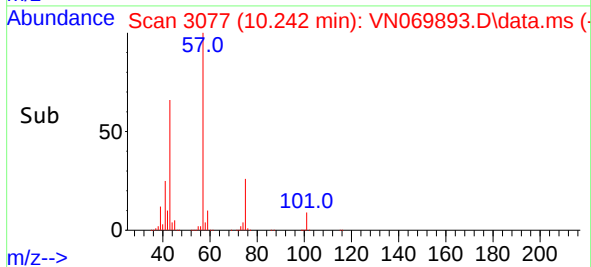
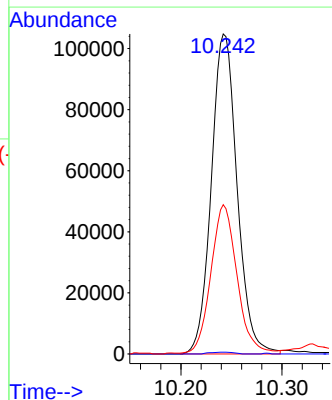
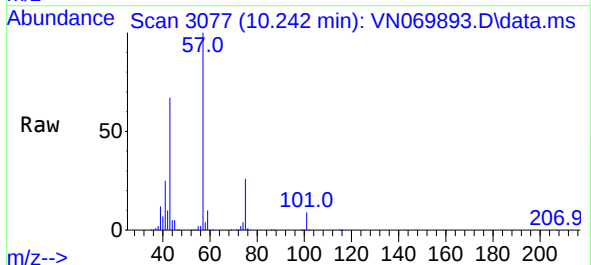
Instrument :
MSVOA_N
ClientSampleId :
TP-2

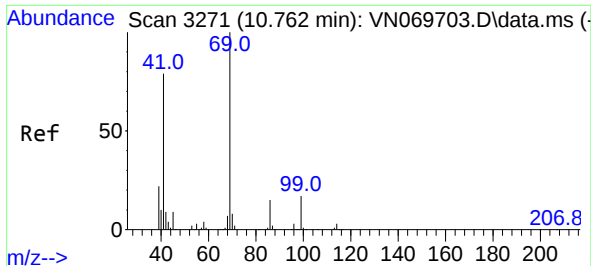
Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
77 88.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 7.932 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

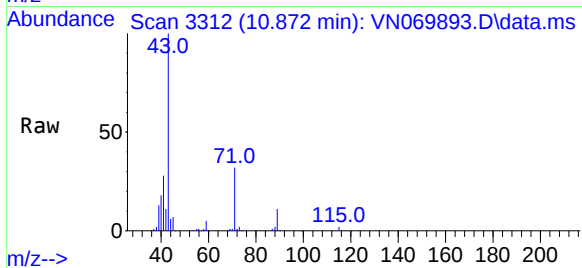
Tgt Ion: 75 Resp: 185874
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 46.4 42.5 63.7



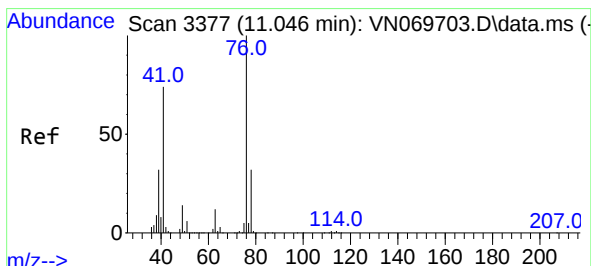
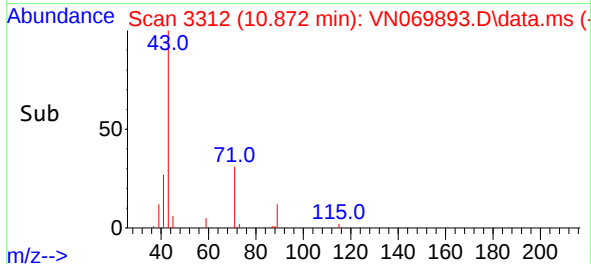
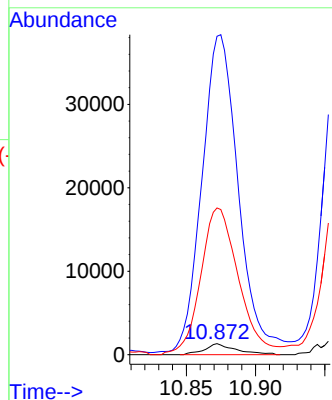


#56
Ethyl methacrylate
Concen: 2.339 ug/l
RT: 10.872 min Scan# 31
Delta R.T. 0.110 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Instrument :
MSVOA_N
ClientSampleId :
TP-2

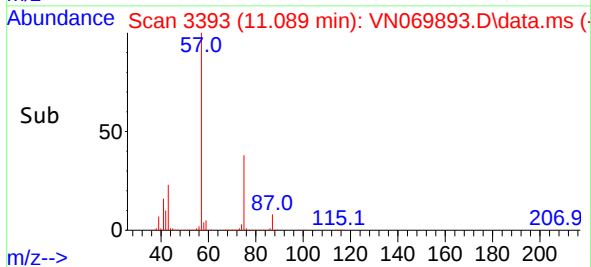
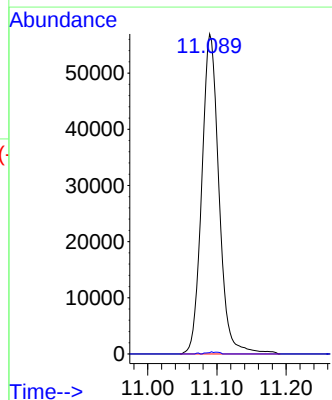
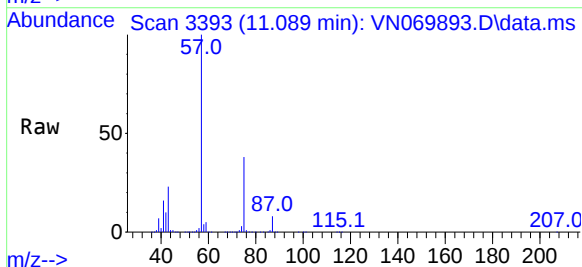


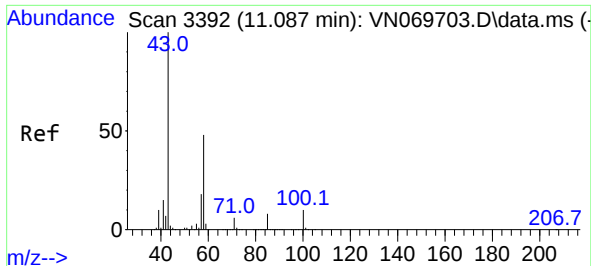
Tgt Ion: 69 Resp: 2065
Ion Ratio Lower Upper
69 100
41 3373.2 51.4 77.0#
39 1615.2 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.175 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 76 Resp: 98379
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

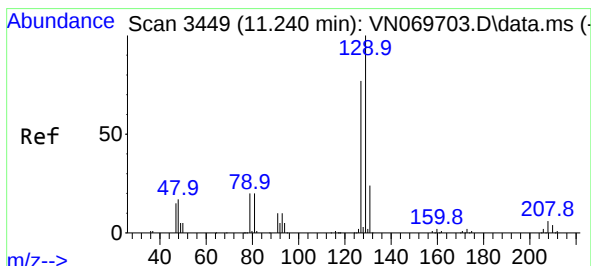
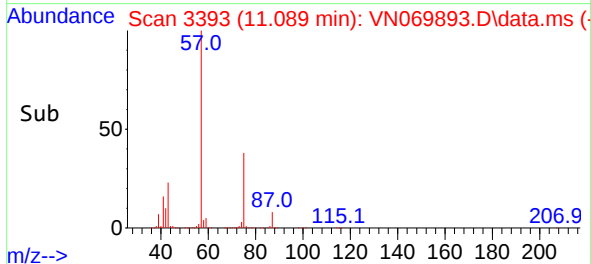
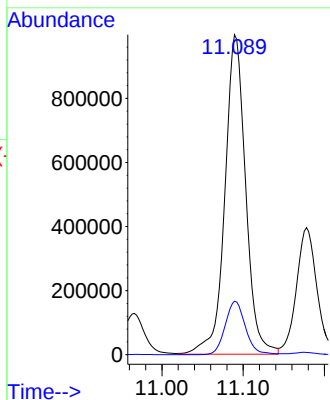
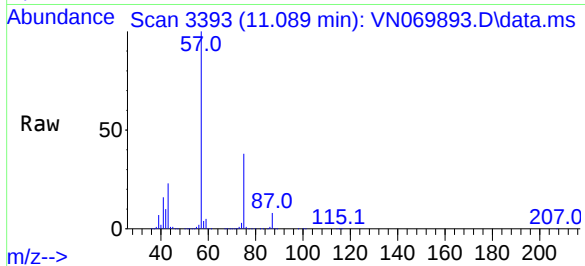




#59
2-Hexanone
Concen: 70.278 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

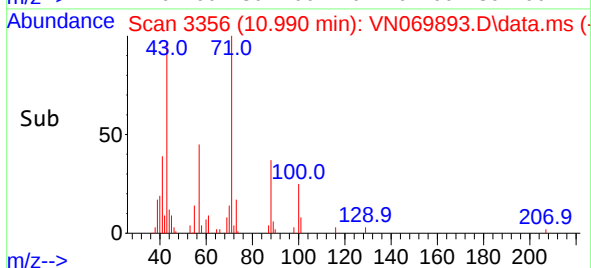
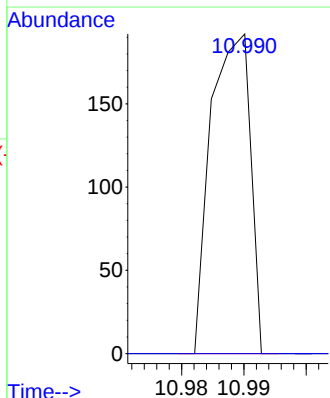
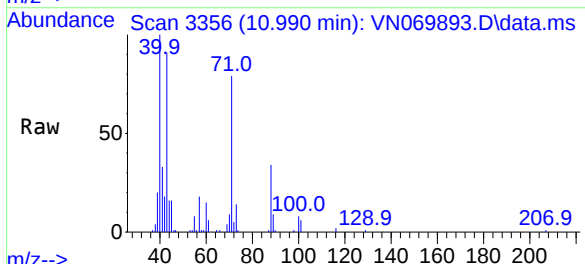
Instrument :
MSVOA_N
ClientSampleId :
TP-2

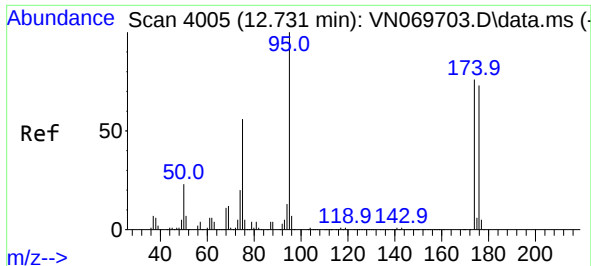
Tgt Ion: 43 Resp: 1775591
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.381 ug/l
RT: 10.990 min Scan# 3356
Delta R.T. -0.250 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion:129 Resp: 85
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

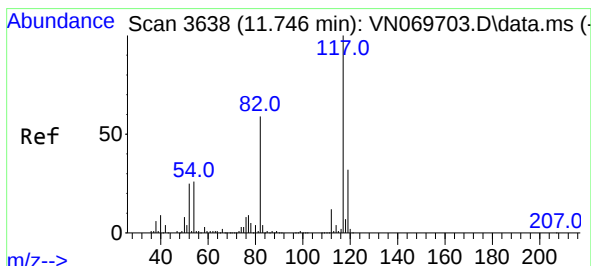
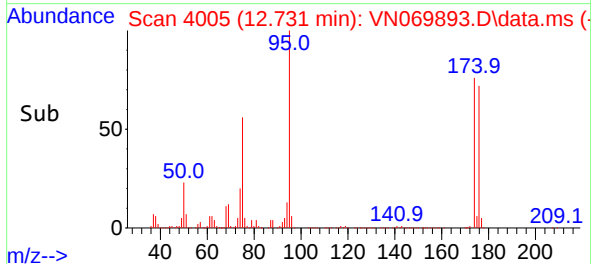
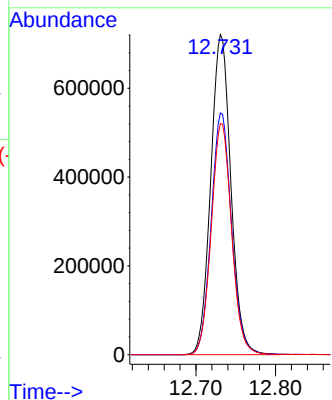
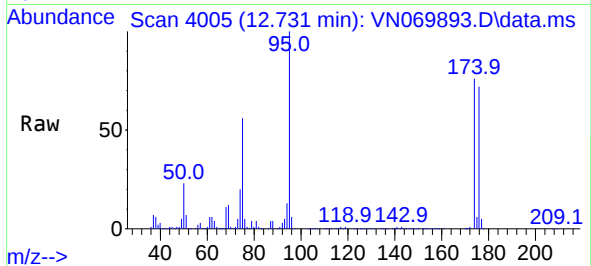




#62
4-Bromofluorobenzene
Concen: 56.888 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

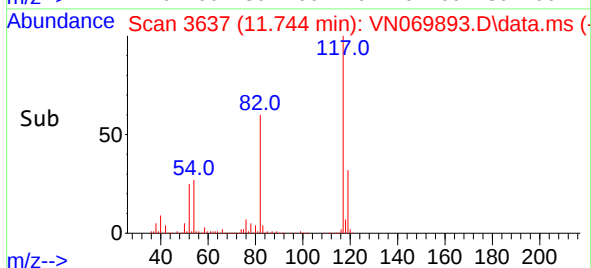
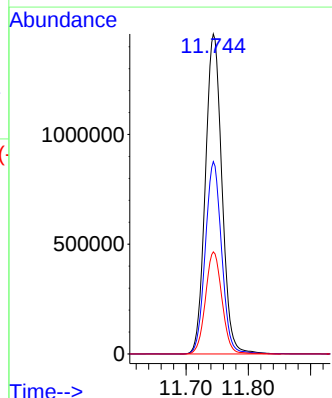
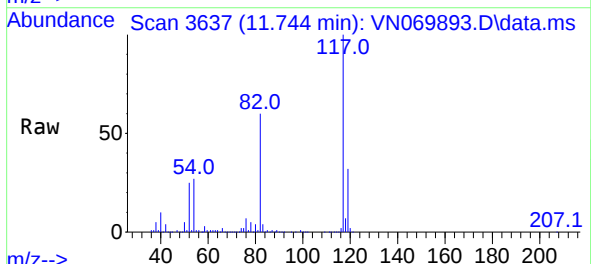
Instrument :
MSVOA_N
ClientSampleId :
TP-2

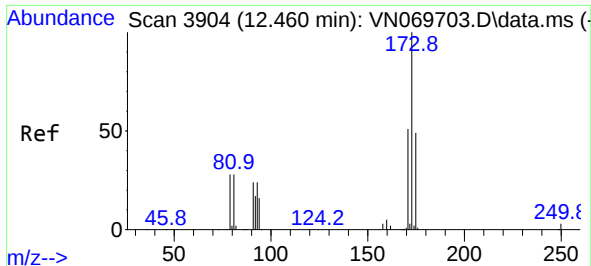
Tgt Ion: 95 Resp: 1272762
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 72.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 117 Resp: 2693235
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.9 25.4 38.2

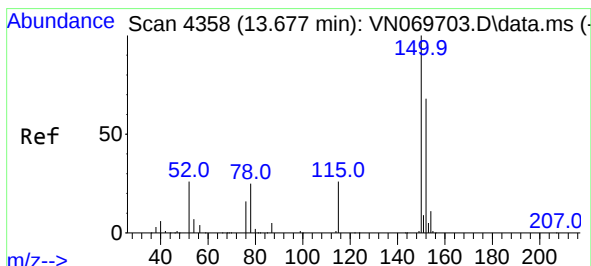
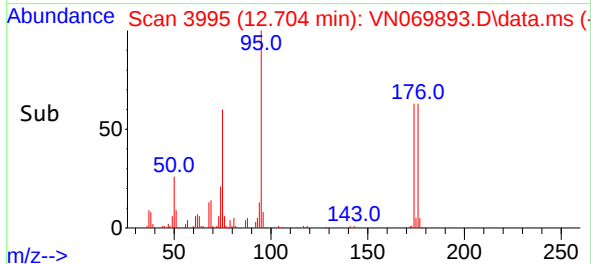
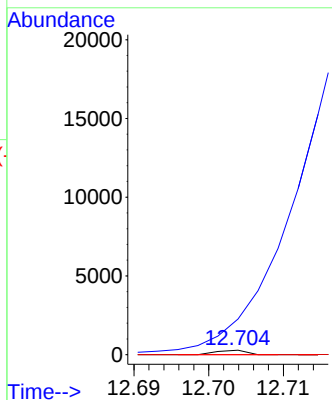
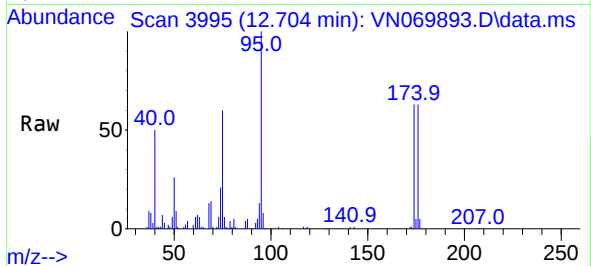




#71
Bromoform
Concen: 2.735 ug/l
RT: 12.704 min Scan# 3904
Delta R.T. 0.244 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

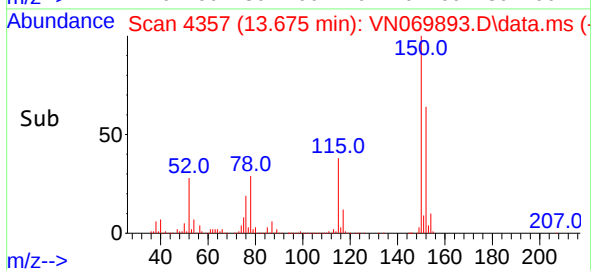
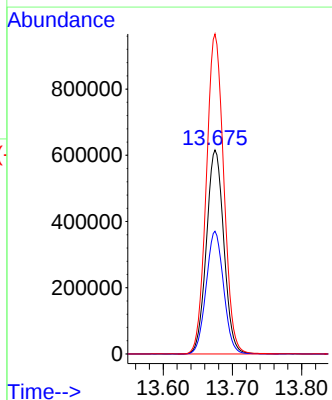
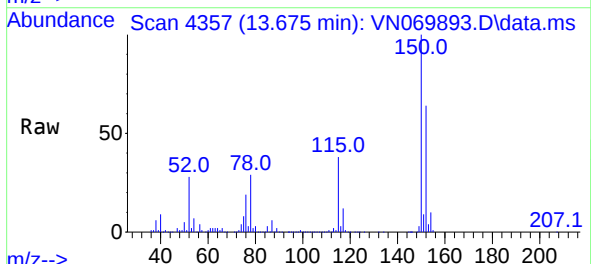
Instrument :
MSVOA_N
ClientSampleId :
TP-2

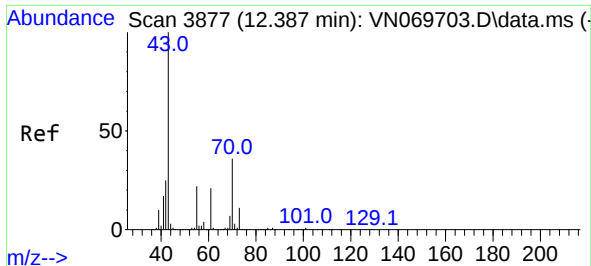
Tgt Ion:173 Resp: 78
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion:152 Resp: 1078475
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 156.7 0.0 344.4

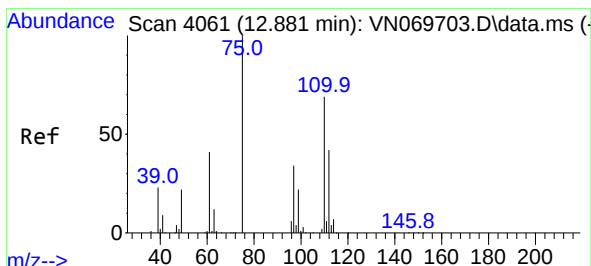
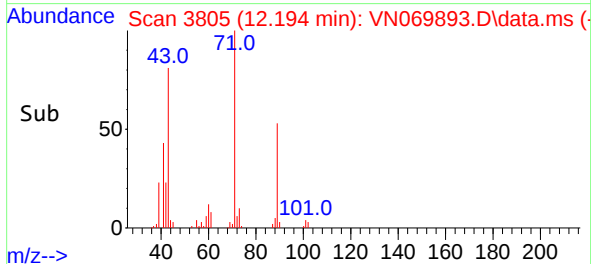
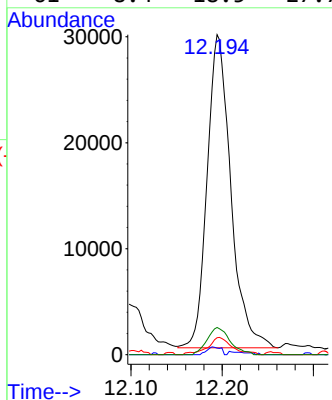
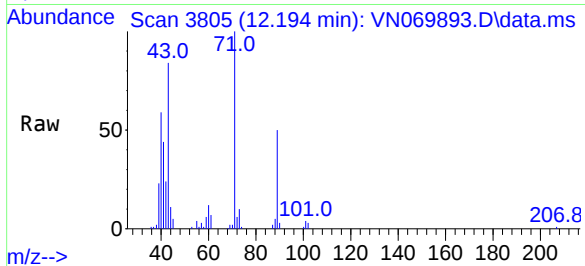




#74
N-amy1 acetate
Concen: 1.259 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.193 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

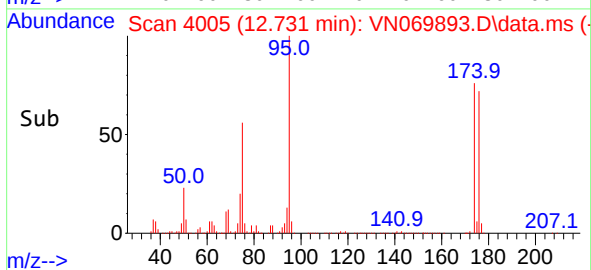
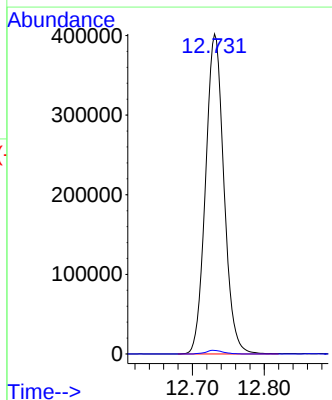
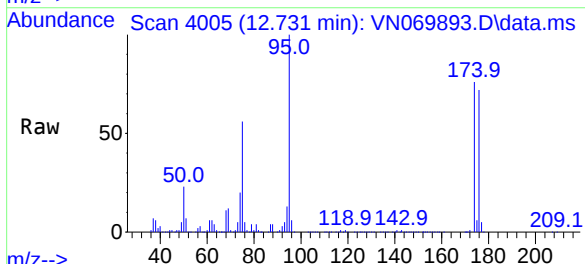
Instrument :
MSVOA_N
ClientSampleId :
TP-2

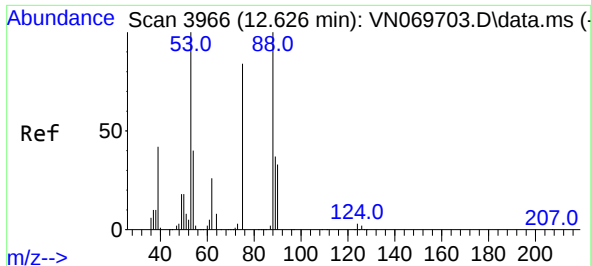
Tgt Ion: 43	Resp: 53441
Ion Ratio	Lower Upper
43 100	
70 1.4	33.4 50.0#
55 5.7	19.3 28.9#
61 8.4	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 23.066 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion: 75	Resp: 713374
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

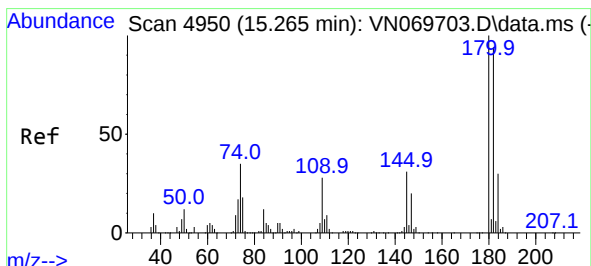
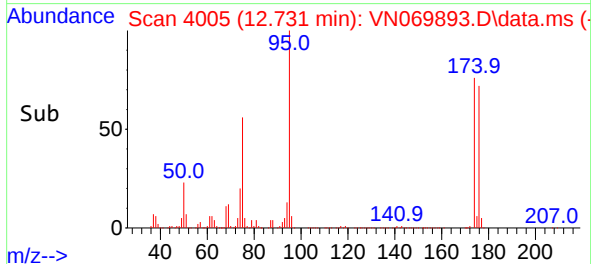
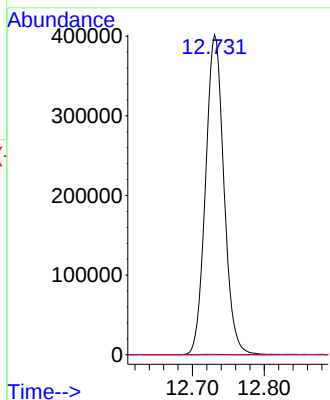
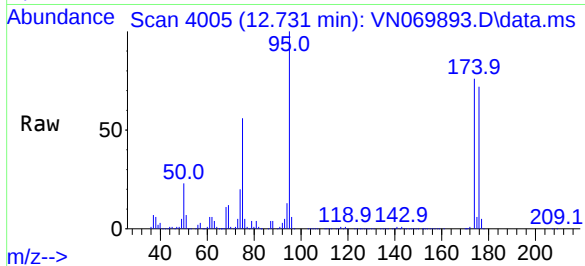




#81
trans-1,4-Dichloro-2-butene
Concen: 73.420 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

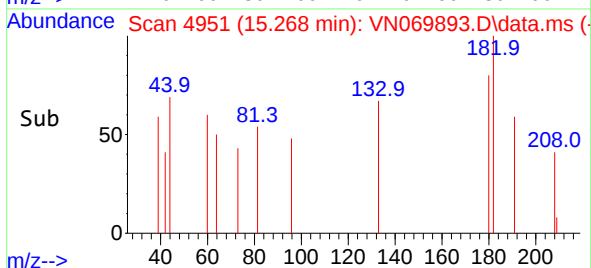
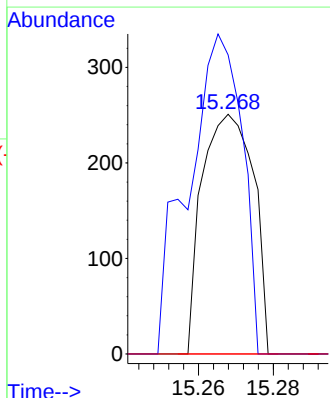
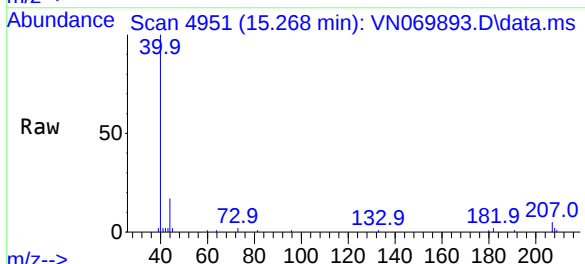
Instrument :
MSVOA_N
ClientSampleId :
TP-2

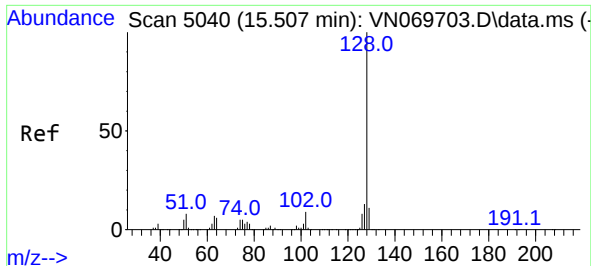
Tgt Ion: 75 Resp: 713374
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.891 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion:180 Resp: 240
Ion Ratio Lower Upper
180 100
182 140.0 48.3 144.9
145 0.0 14.5 43.5#

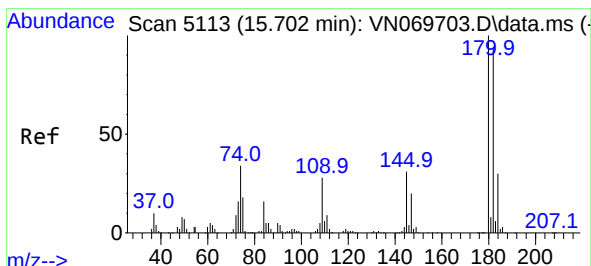
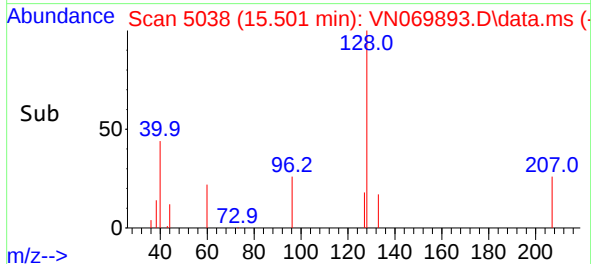
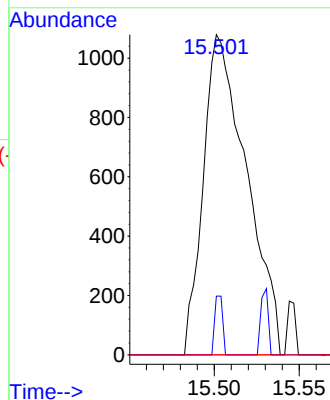
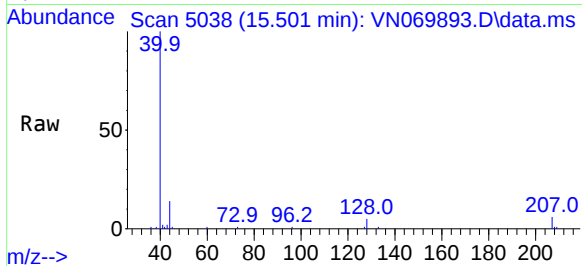




#95
Naphthalene
Concen: 4.018 ug/l
RT: 15.501 min Scan# 5040
Delta R.T. -0.006 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Instrument :
MSVOA_N
ClientSampleId :
TP-2

Tgt Ion:128 Resp: 1906
Ion Ratio Lower Upper
128 100
127 3.4 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.449 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069893.D
Acq: 9 Dec 2021 5:37

Tgt Ion:180 Resp: 238
Ion Ratio Lower Upper
180 100
182 66.8 47.4 142.2
145 0.0 15.0 45.1#

