

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069891.D
 Acq On : 9 Dec 2021 4:46
 Operator : JC/MD
 Sample : M4959-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1S

Quant Time: Dec 09 11:58:08 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)

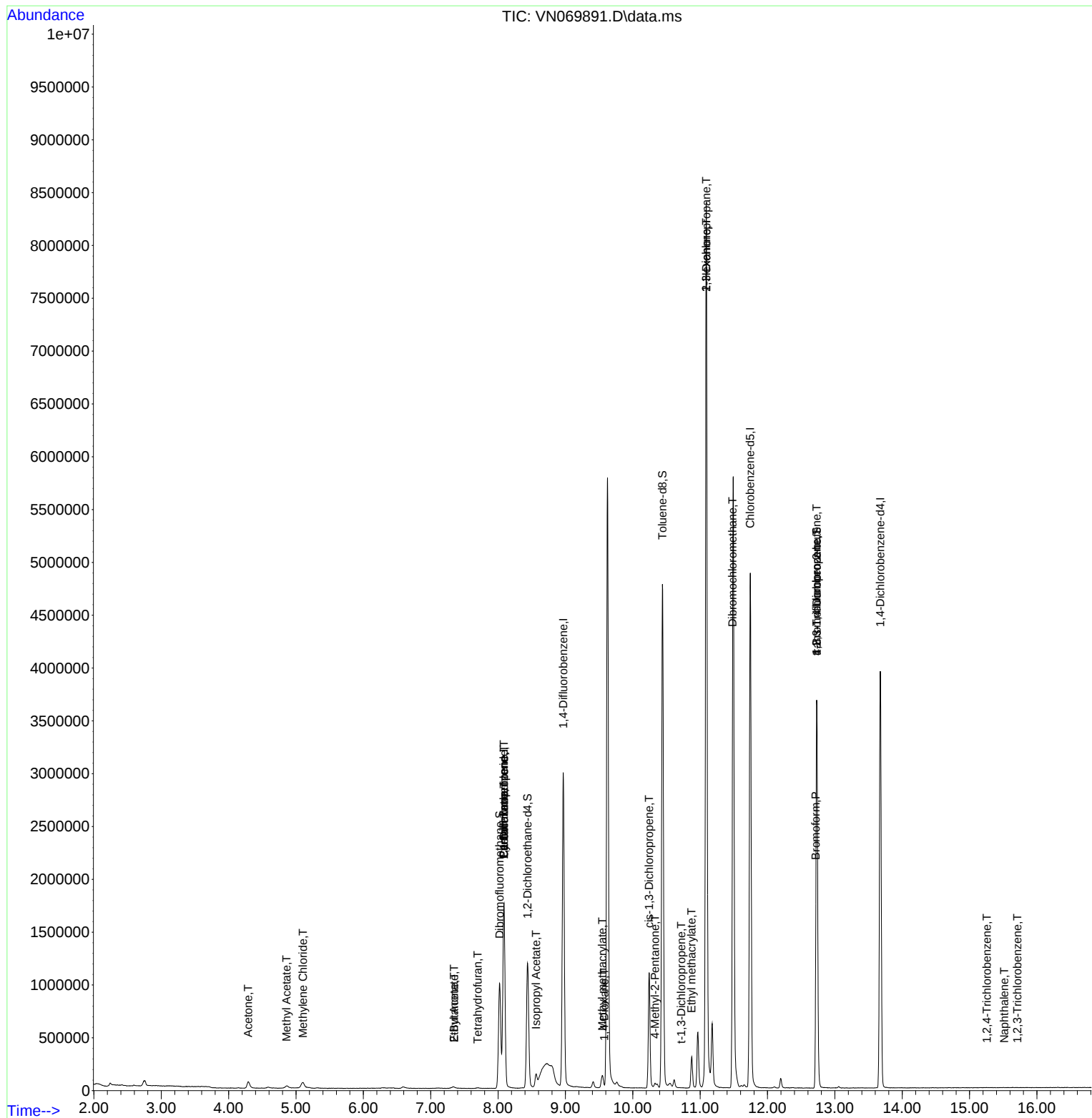
Internal Standards						
1) Pentafluorobenzene	8.088	168	1305637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2451089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2697753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1065264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1035864	51.385	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.760%			
35) Dibromofluoromethane	8.021	113	726985	47.351	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.700%			
50) Toluene-d8	10.440	98	3211928	52.101	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.731	95	1285233	57.547	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.100%			
Target Compounds					Qvalue	
16) Acetone	4.291	43	112607	9.286	ug/l	95
18) Methyl Acetate	4.859	43	48698	1.330	ug/l	91
20) Methylene Chloride	5.103	84	36478	2.263	ug/l	87
25) 2-Butanone	7.345	43	20166	1.224	ug/l	98
29) Tetrahydrofuran	7.697	42	5190	0.519	ug/l #	73
31) Cyclohexane	8.088	56	34812	1.241	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	112915	4.839	ug/l #	49
37) Ethyl Acetate	7.345	43	20166	0.581	ug/l #	68
38) Carbon Tetrachloride	8.088	117	135624	5.927	ug/l #	16
43) Isopropyl Acetate	8.566	43	154136	2.999	ug/l #	81
48) Methyl methacrylate	9.547	41	34743	1.449	ug/l #	8
49) 1,4-Dioxane	9.577	88	95	0.221	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	20100	0.603	ug/l #	80
53) t-1,3-Dichloropropene	10.719	75	211	2.801	ug/l	89
54) cis-1,3-Dichloropropene	10.242	75	172919	7.528	ug/l #	75
56) Ethyl methacrylate	10.872	69	2196	2.342	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	82700	2.673	ug/l #	43
59) 2-Hexanone	11.089	43	1501750	59.544	ug/l #	47
60) Dibromochloromethane	11.481	129	390	2.396	ug/l #	11
71) Bromoform	12.717	173	1484	2.816	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	712959	23.338	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	712959	74.239	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	221	2.890	ug/l	64
95) Naphthalene	15.515	128	925	4.001	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.708	180	340	2.455	ug/l #	59

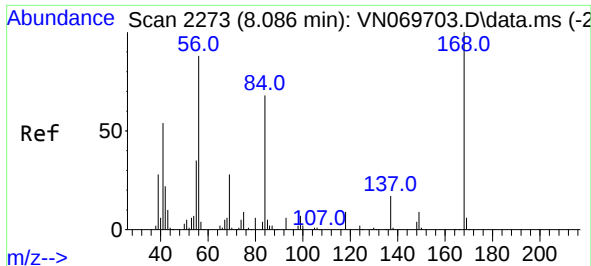
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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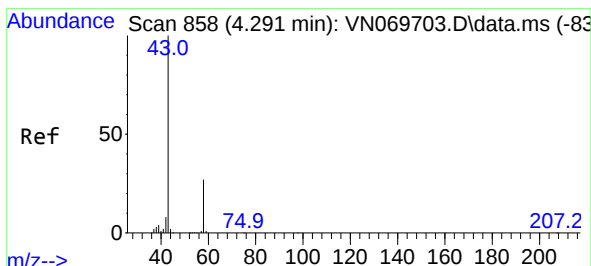
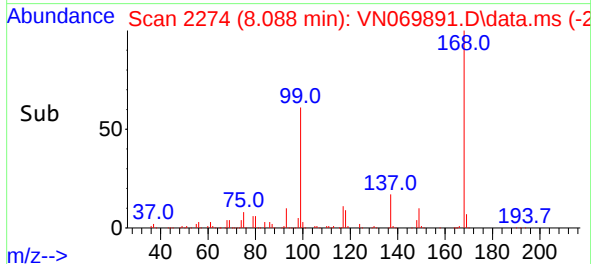
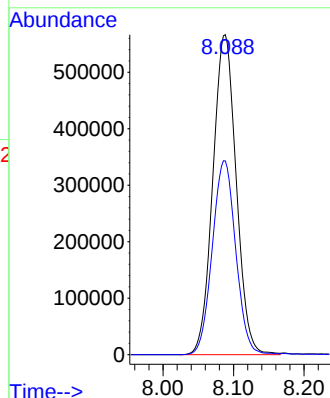
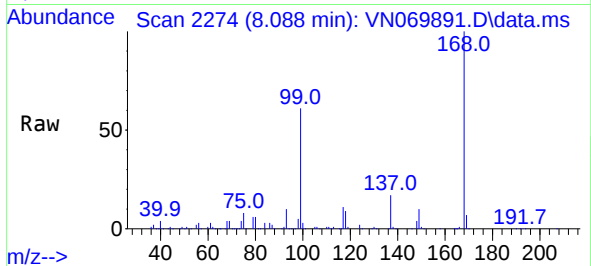




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

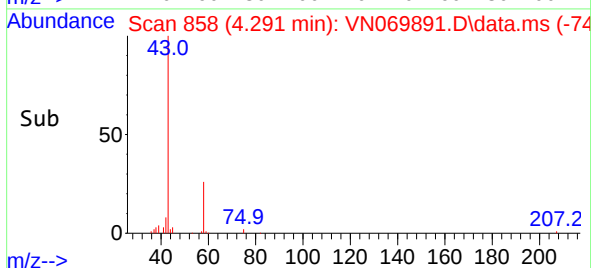
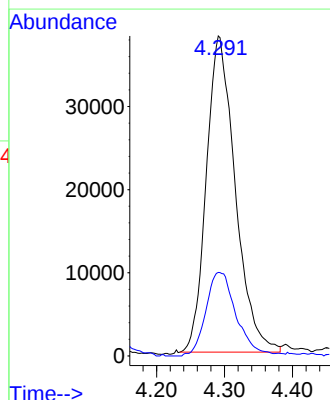
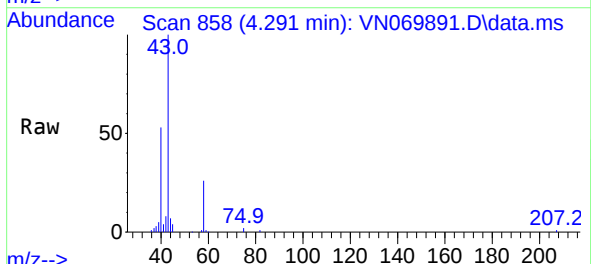
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

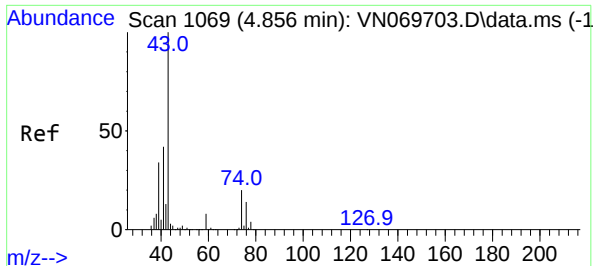
Tgt Ion:168 Resp: 1305637
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#16
Acetone
Concen: 9.286 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 43 Resp: 112607
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7

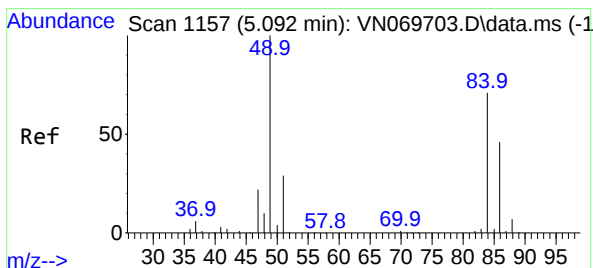
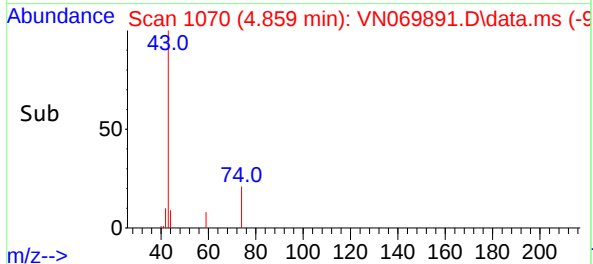
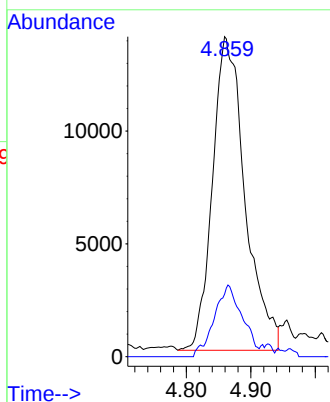
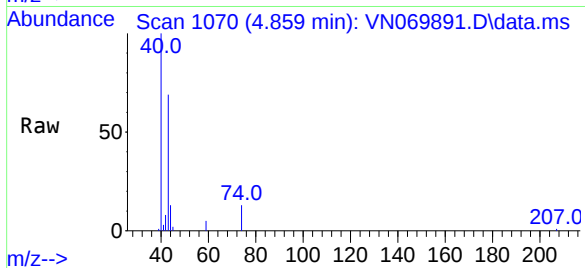




#18
Methyl Acetate
Concen: 1.330 ug/l
RT: 4.859 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

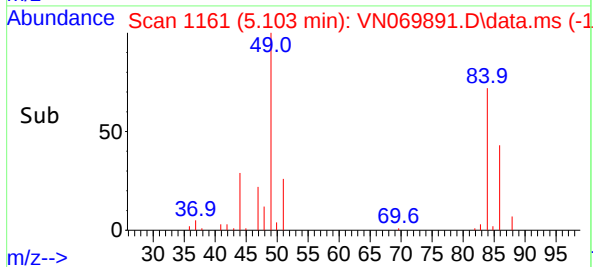
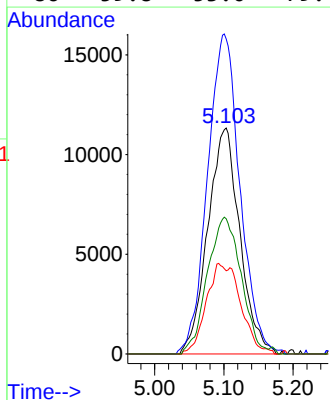
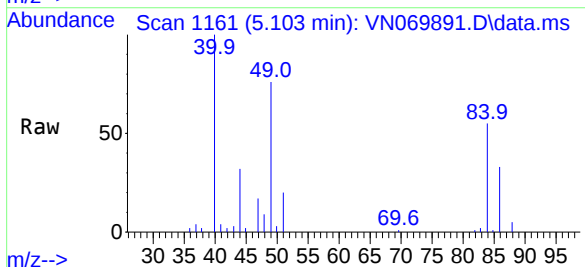
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

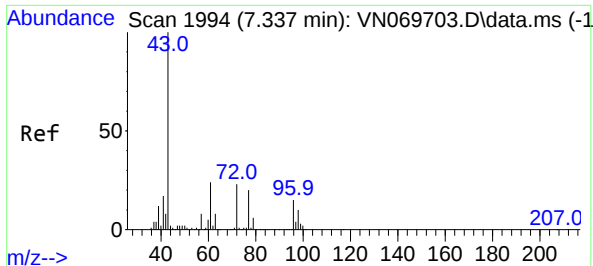
Tgt Ion: 43 Resp: 48698
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2



#20
Methylene Chloride
Concen: 2.263 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.011 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 84 Resp: 36478
Ion Ratio Lower Upper
84 100
49 138.1 93.5 140.3
51 36.8 29.4 44.2
86 59.8 53.0 79.4

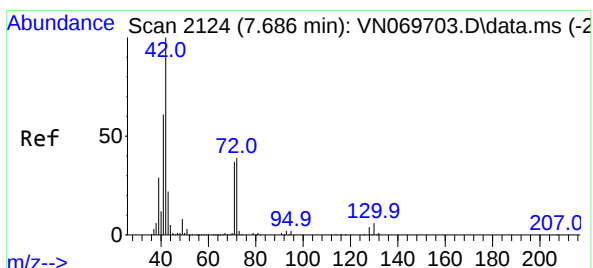
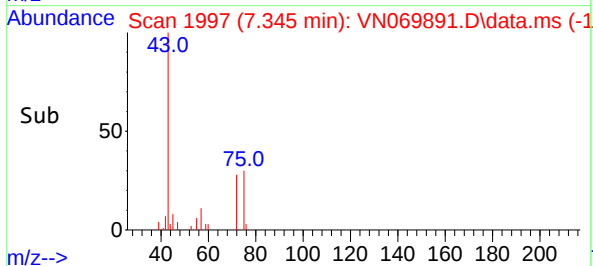
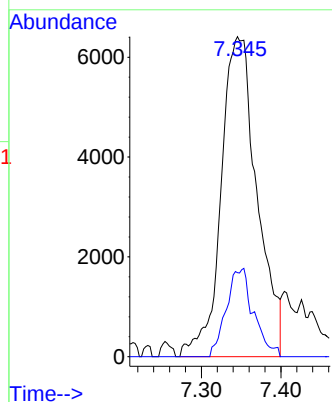
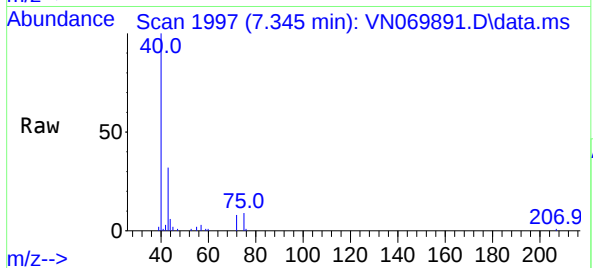




#25
2-Butanone
Concen: 1.224 ug/l
RT: 7.345 min Scan# 1994
Delta R.T. 0.008 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

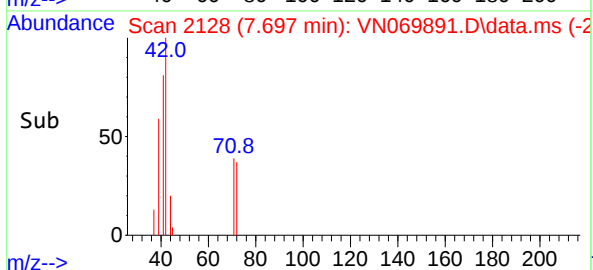
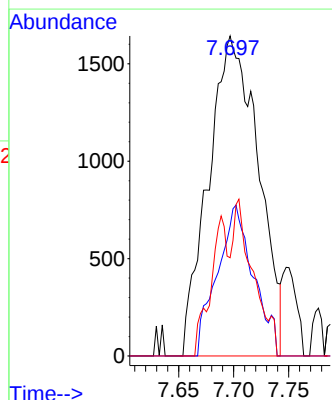
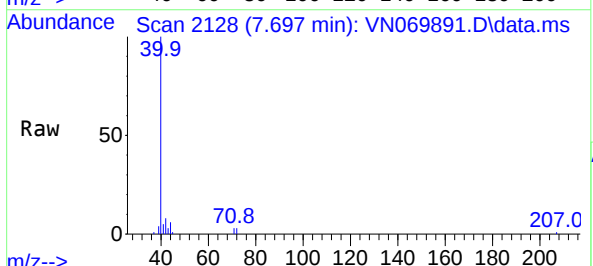
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

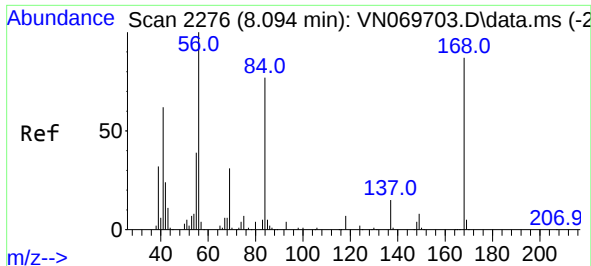
Tgt Ion: 43 Resp: 20166
Ion Ratio Lower Upper
43 100
72 26.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.519 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.011 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

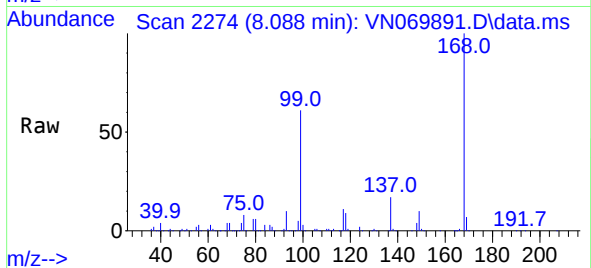
Tgt Ion: 42 Resp: 5190
Ion Ratio Lower Upper
42 100
72 34.2 36.3 54.5#
71 20.0 34.7 52.1#



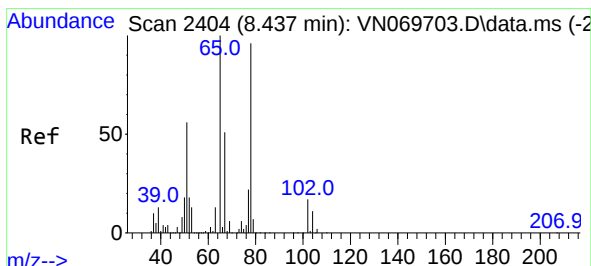
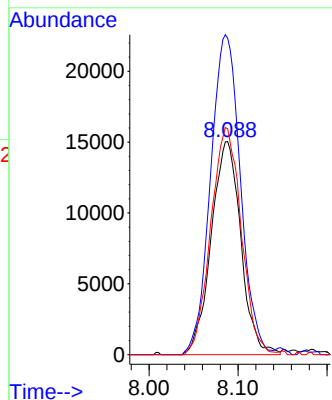
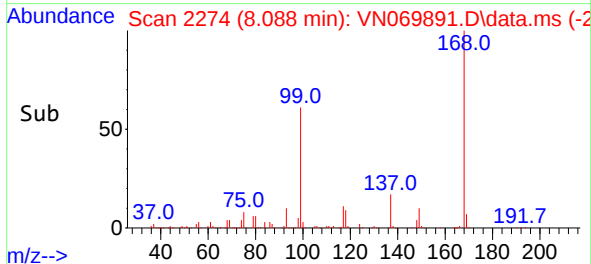


#31
Cyclohexane
Concen: 1.241 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Instrument :
MSVOA_N
ClientSampleId :
TP-1S

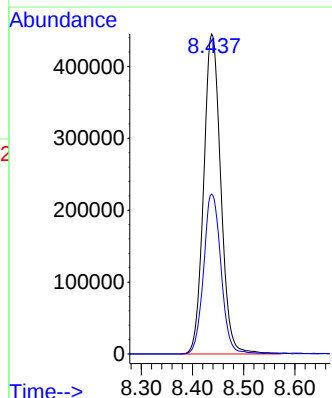
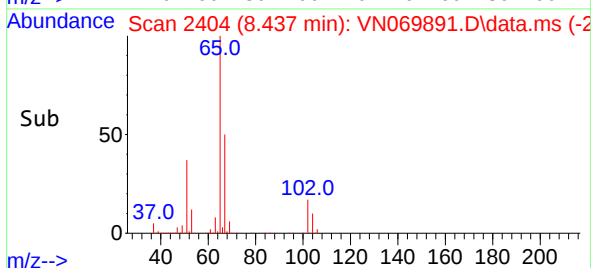
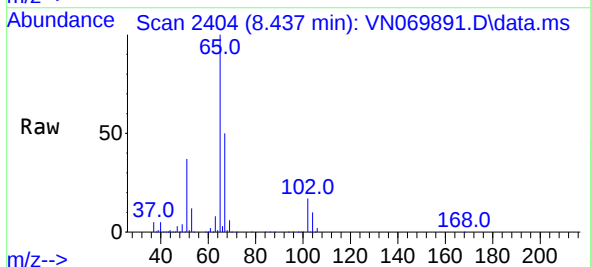


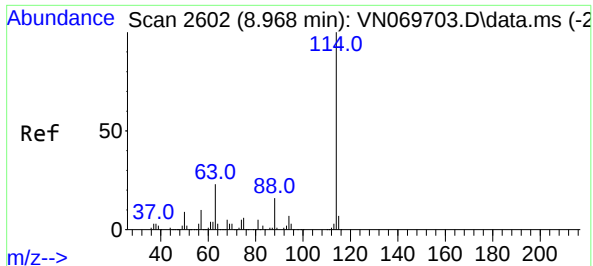
Tgt Ion: 56 Resp: 34812
Ion Ratio Lower Upper
56 100
69 148.4 27.1 40.7#
84 106.1 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.385 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 65 Resp: 1035864
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

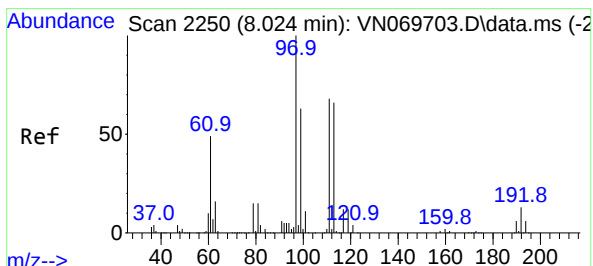
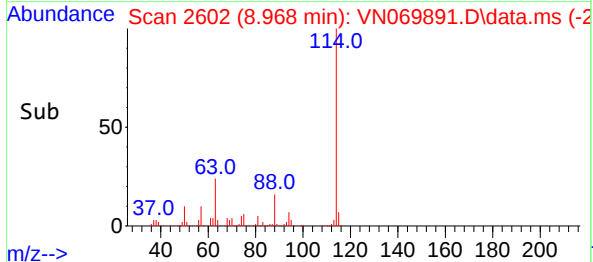
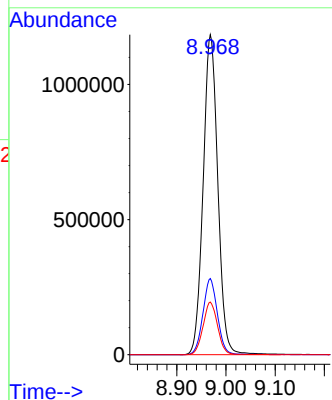
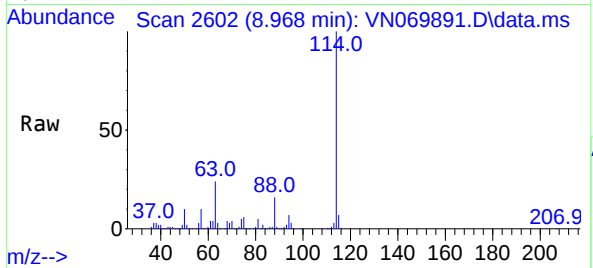




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

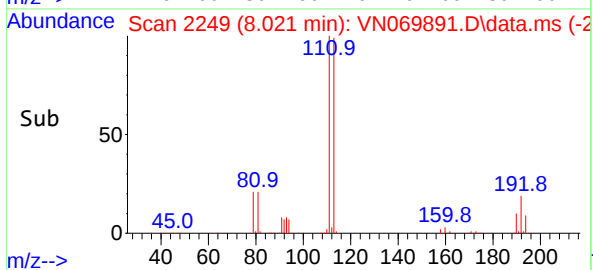
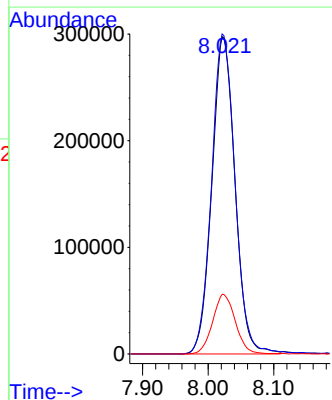
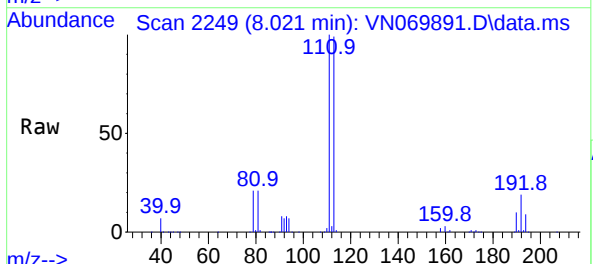
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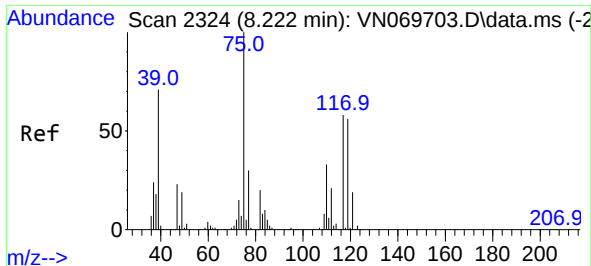
Tgt Ion:114 Resp: 2451089
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.351 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion:113 Resp: 726985
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.5 16.9 25.3

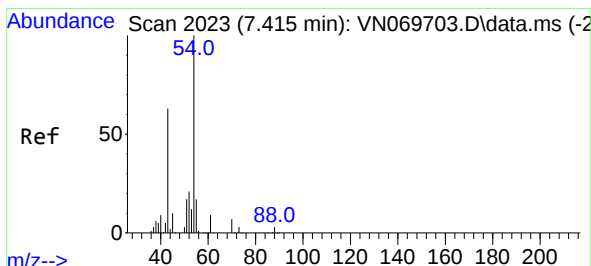
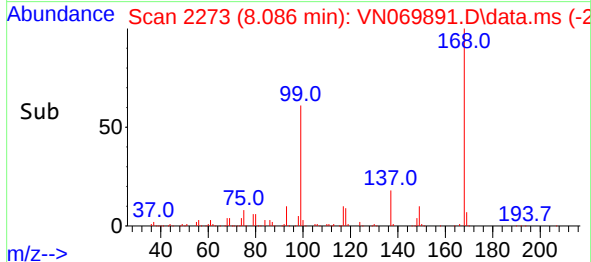
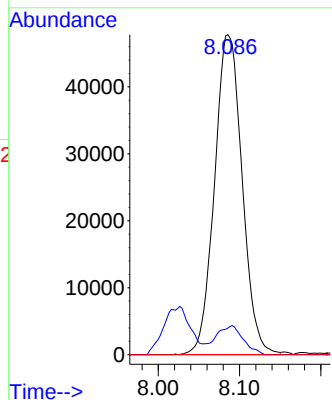
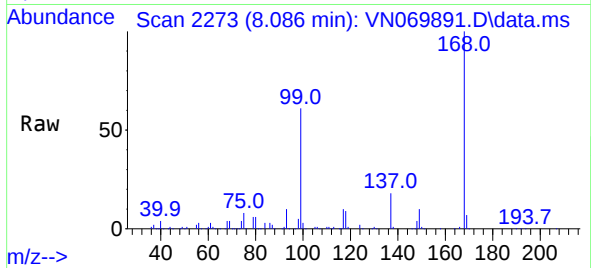




#36
1,1-Dichloropropene
Concen: 4.839 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

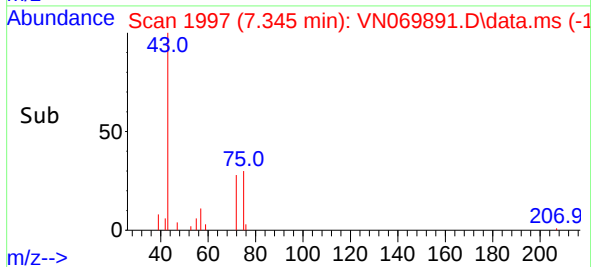
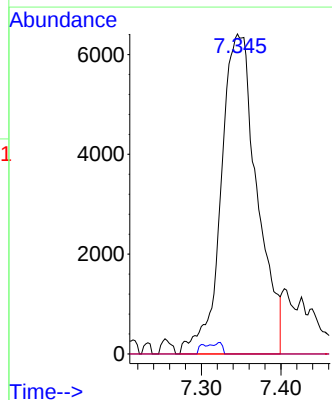
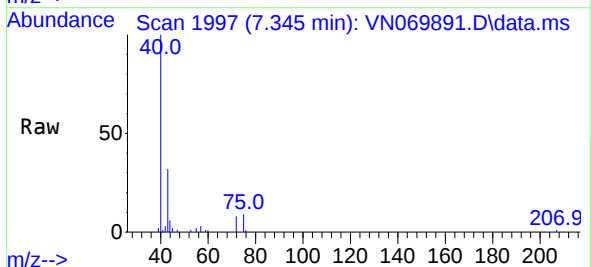
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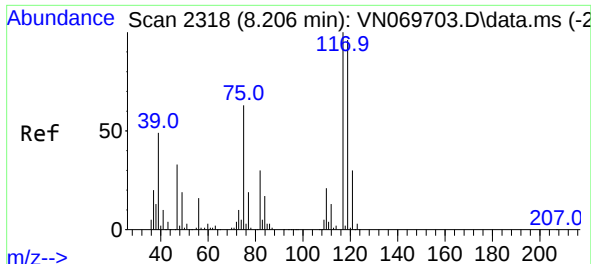
Tgt Ion: 75 Resp: 112915
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.581 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.070 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 43 Resp: 20166
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

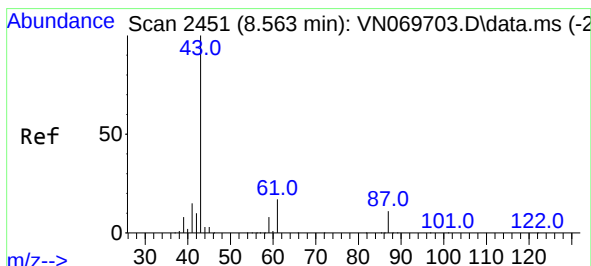
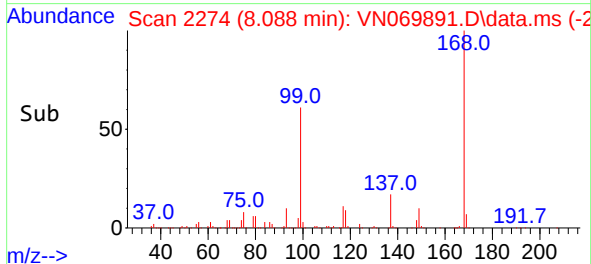
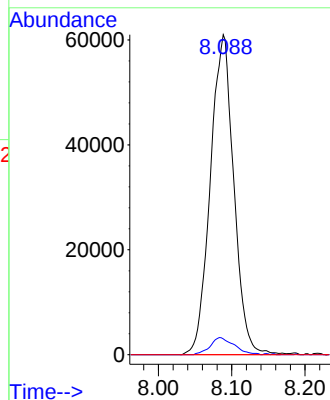
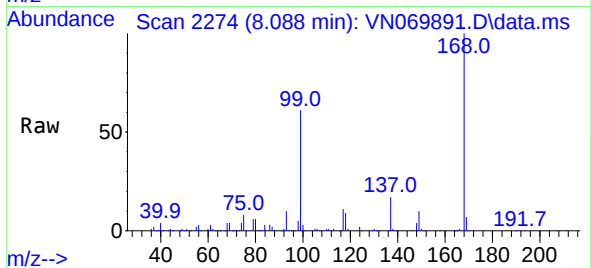




#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

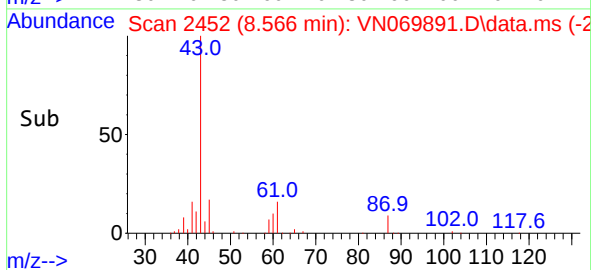
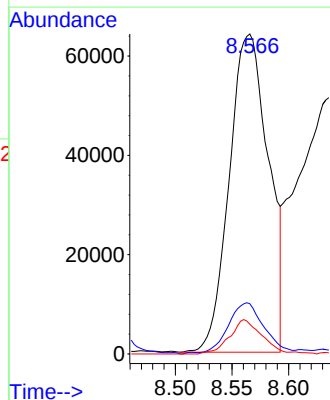
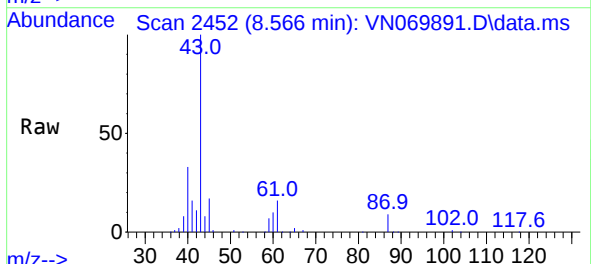
Instrument :
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ClientSampleId :
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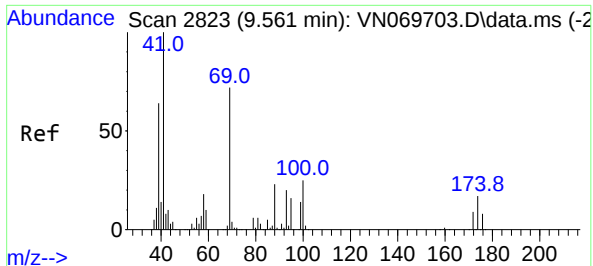
Tgt Ion:117 Resp: 135624
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.999 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 43 Resp: 154136
Ion Ratio Lower Upper
43 100
61 13.9 20.4 30.6#
87 8.8 11.2 16.8#

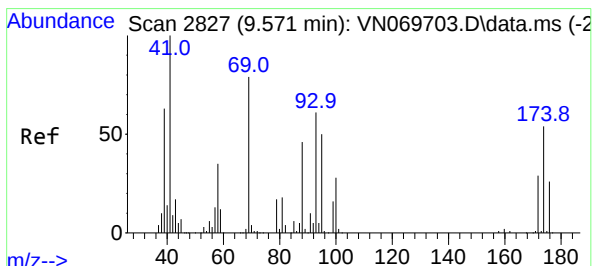
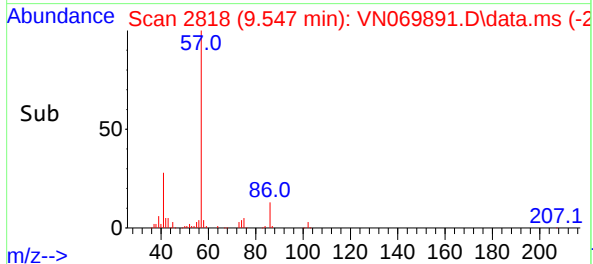
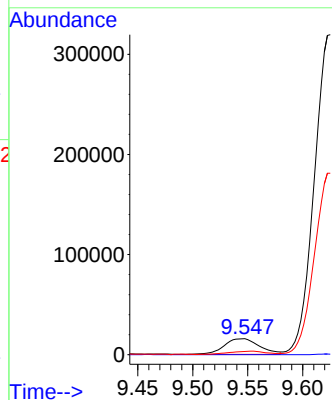
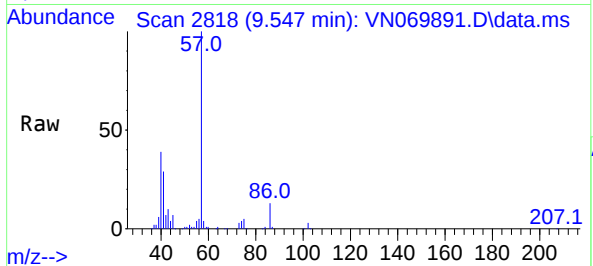




#48
Methyl methacrylate
Concen: 1.449 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

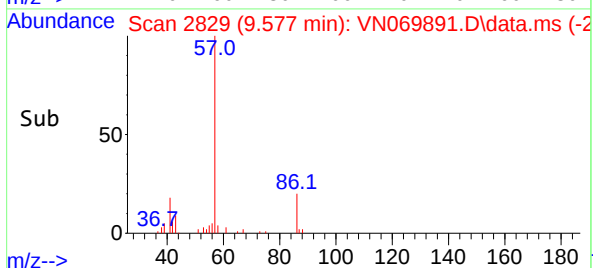
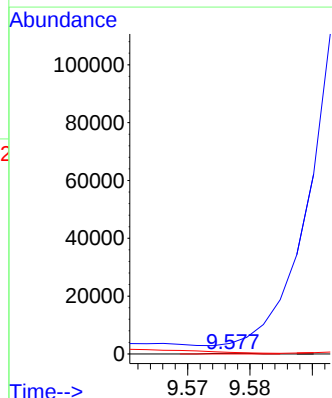
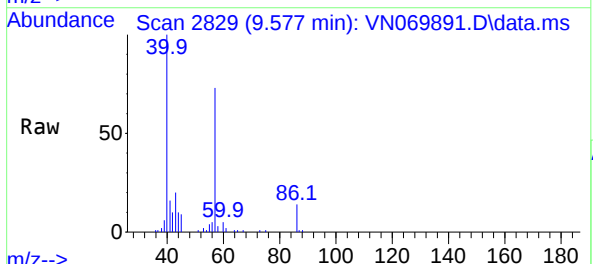
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

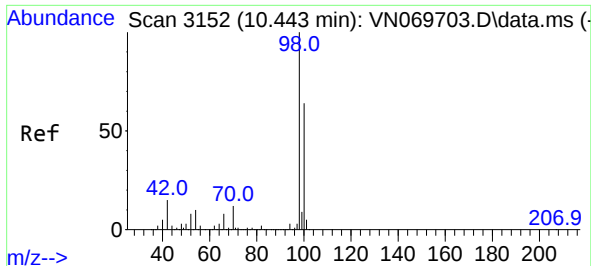
Tgt Ion: 41 Resp: 34743
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.221 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.005 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

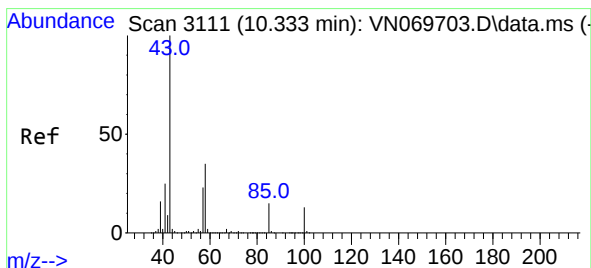
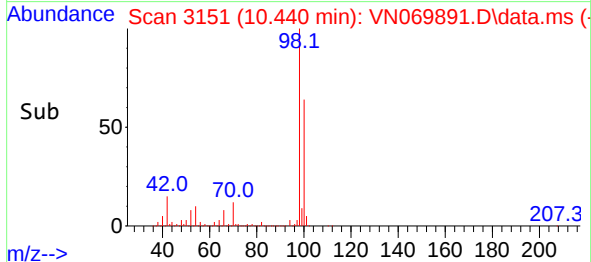
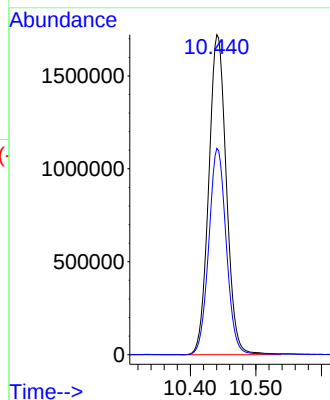
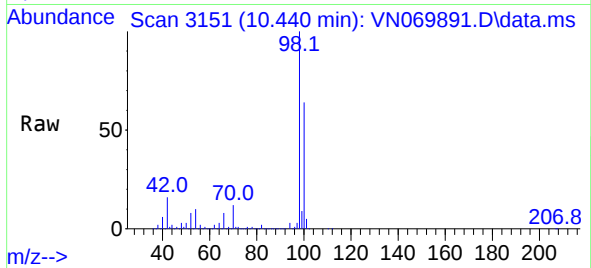




#50
Toluene-d8
Concen: 52.101 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

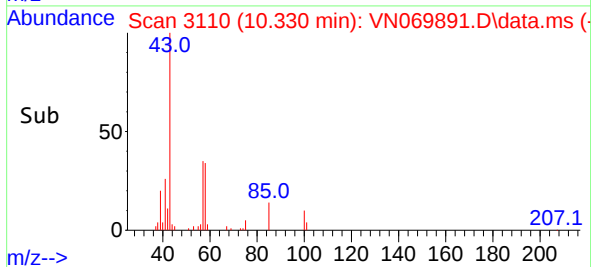
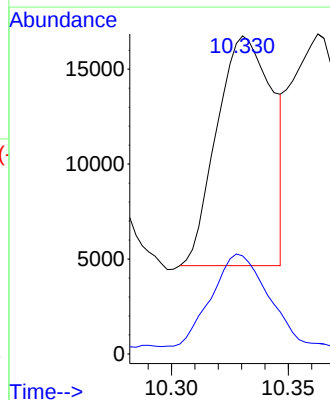
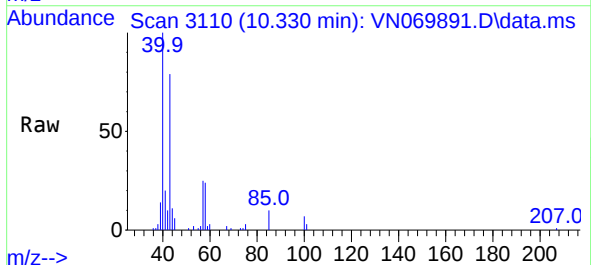
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

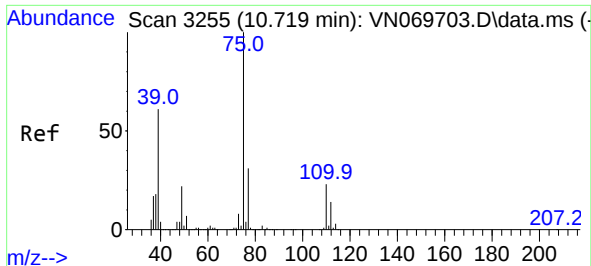
Tgt Ion: 98 Resp: 3211928
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.603 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 43 Resp: 20100
Ion Ratio Lower Upper
43 100
58 50.0 30.4 45.6#

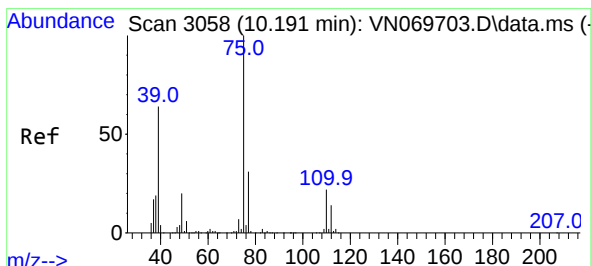
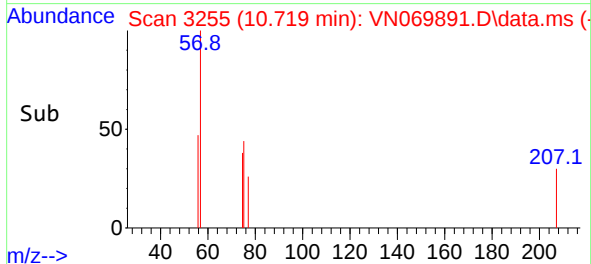
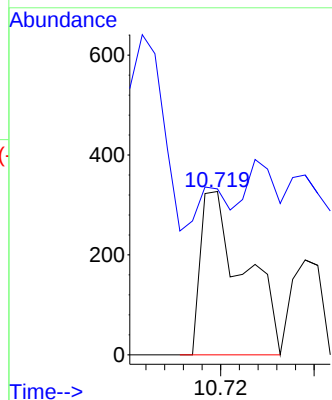
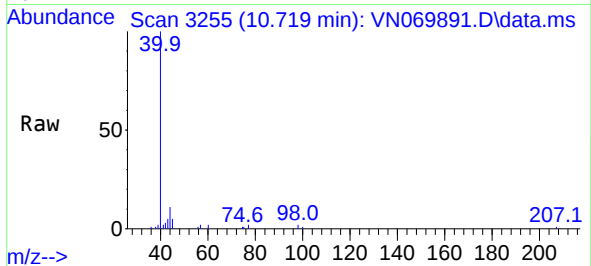




#53
t-1,3-Dichloropropene
Concen: 2.801 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

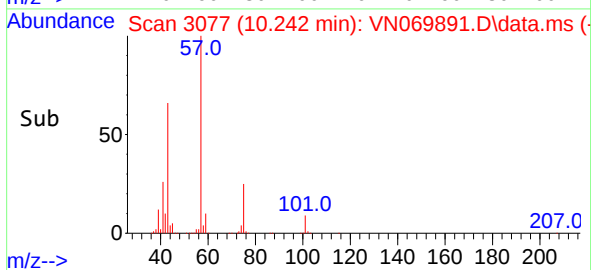
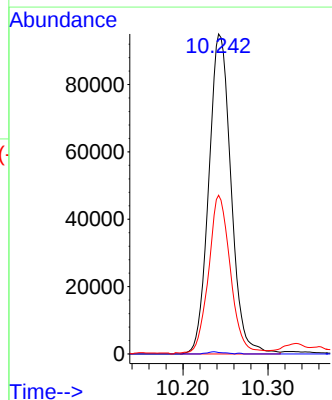
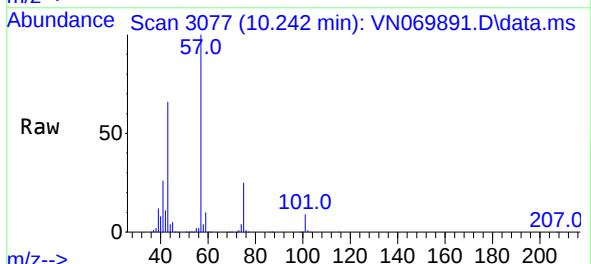
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

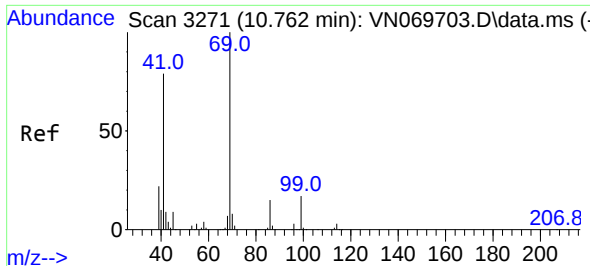
Tgt Ion: 75 Resp: 211
Ion Ratio Lower Upper
75 100
77 25.7 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 7.528 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 75 Resp: 172919
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 49.3 42.5 63.7

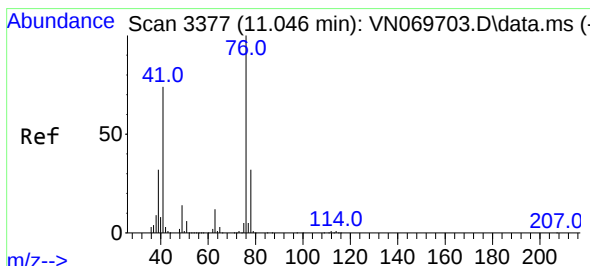
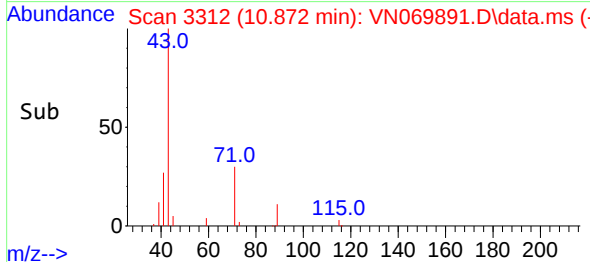
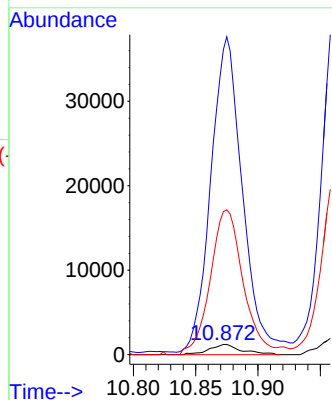
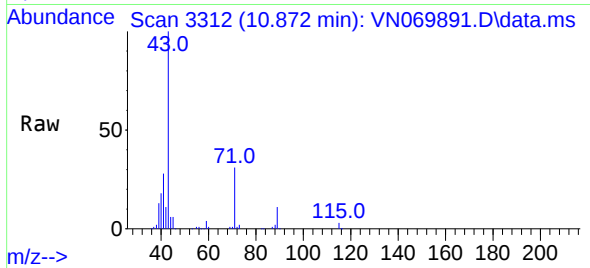




#56
Ethyl methacrylate
Concen: 2.342 ug/l
RT: 10.872 min Scan# 31
Delta R.T. 0.110 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

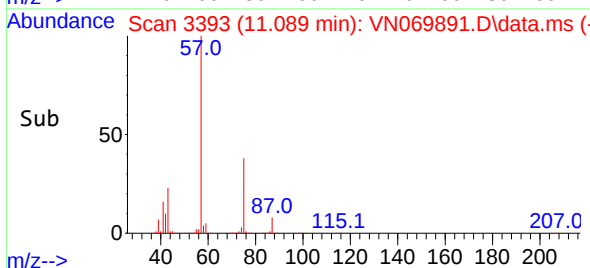
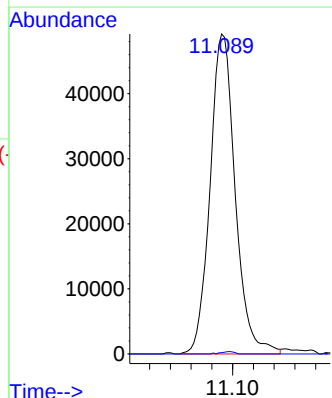
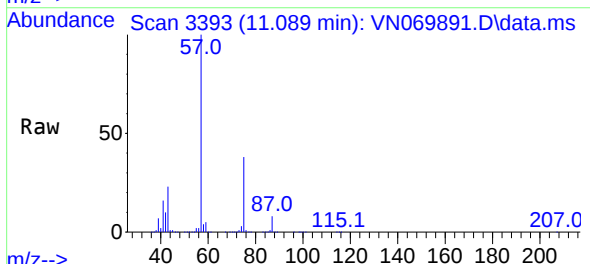
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

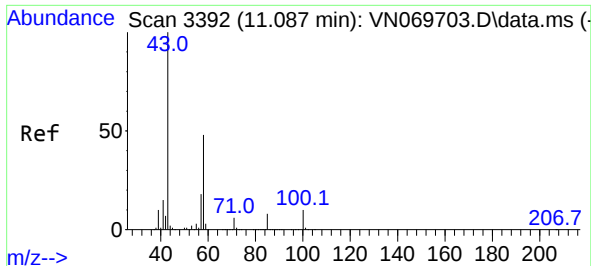
Tgt Ion: 69 Resp: 2196
Ion Ratio Lower Upper
69 100
41 2987.1 51.4 77.0#
39 1424.8 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 2.673 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 76 Resp: 82700
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

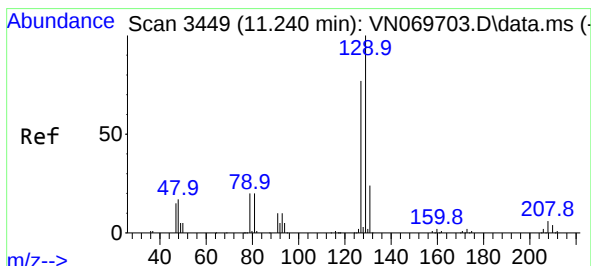
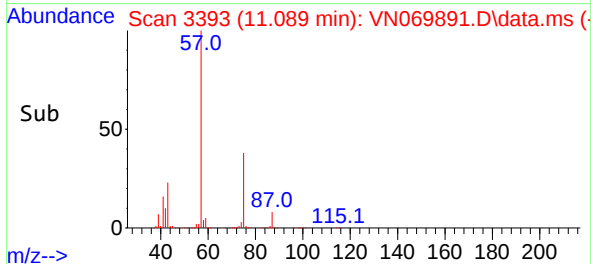
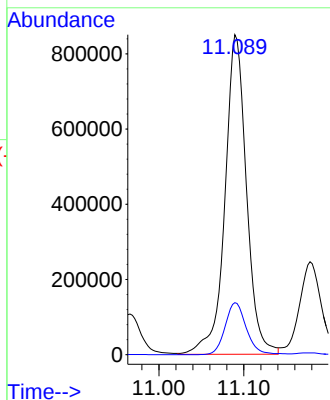
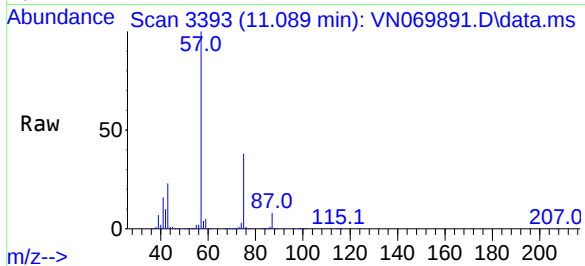




#59
2-Hexanone
Concen: 59.544 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

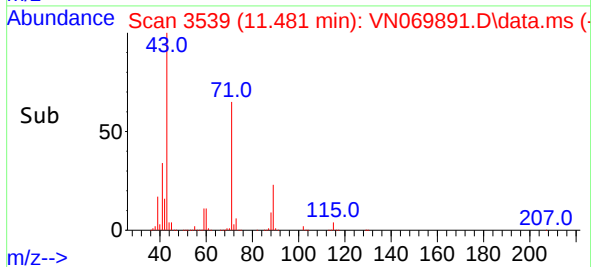
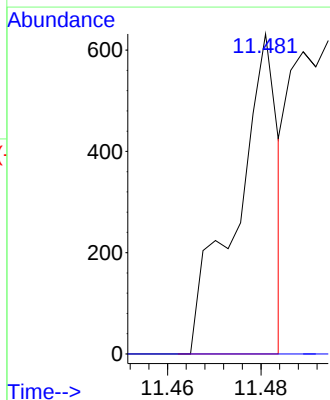
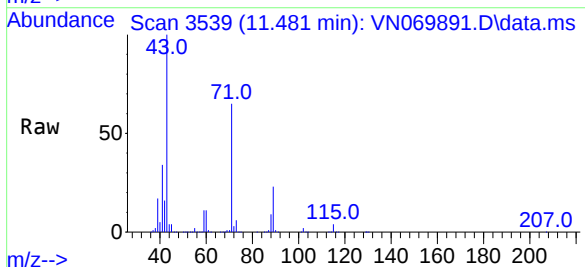
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

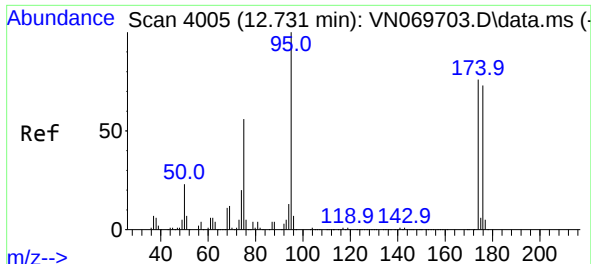
Tgt Ion: 43 Resp: 1501750
Ion Ratio Lower Upper
43 100
58 16.1 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.396 ug/l
RT: 11.481 min Scan# 3539
Delta R.T. 0.241 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion:129 Resp: 390
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

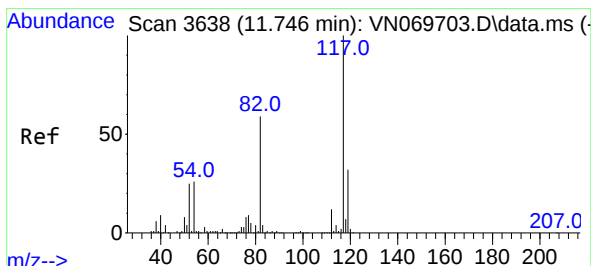
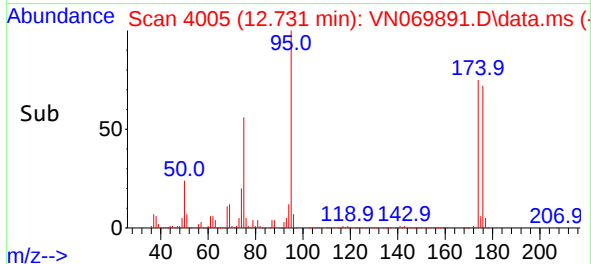
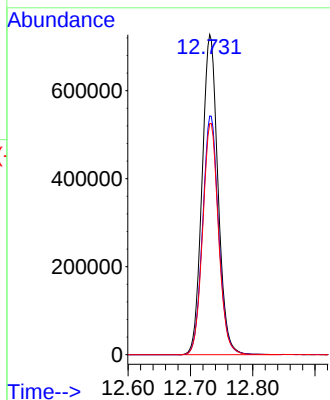
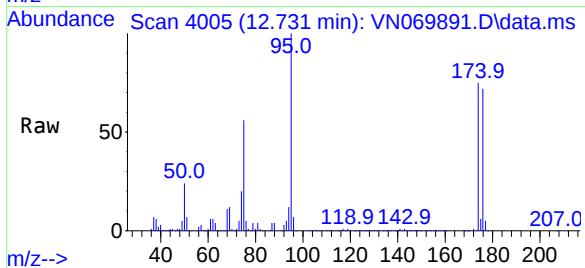




#62
4-Bromofluorobenzene
Concen: 57.547 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

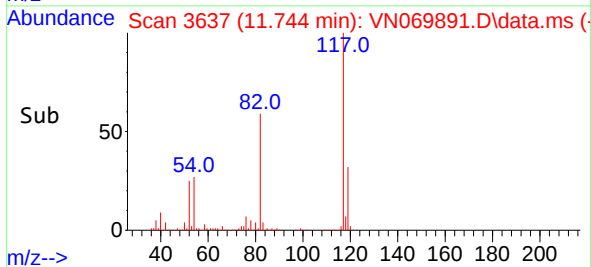
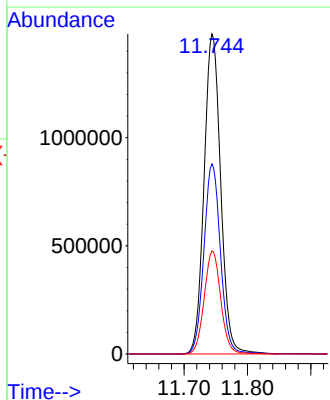
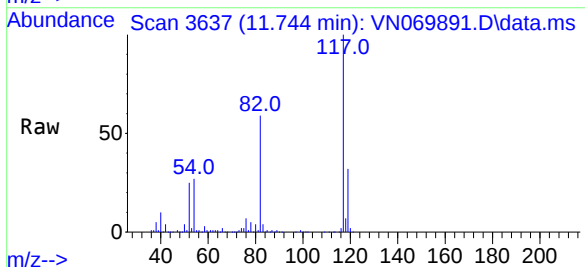
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

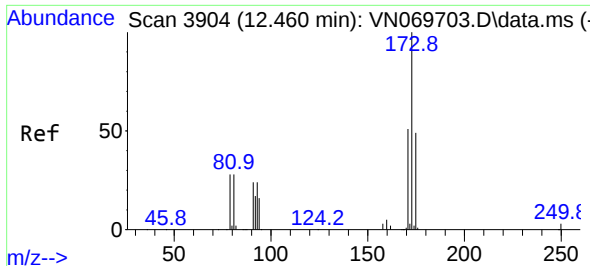
Tgt Ion: 95 Resp: 1285233
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion: 117 Resp: 2697753
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.2 25.4 38.2

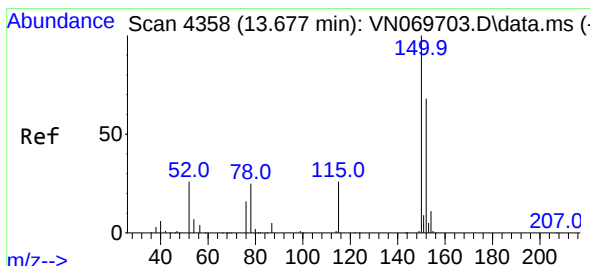
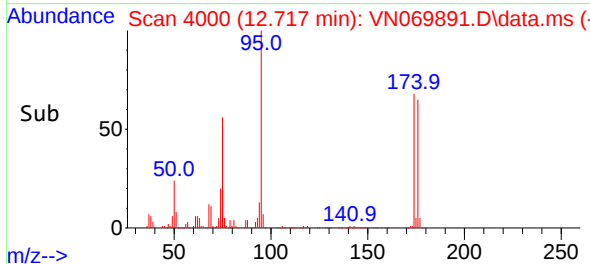
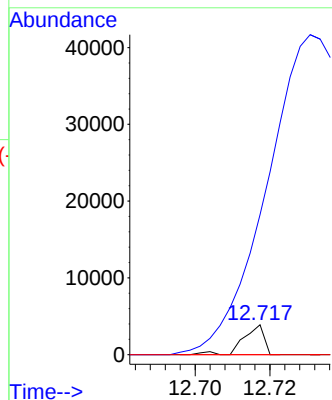
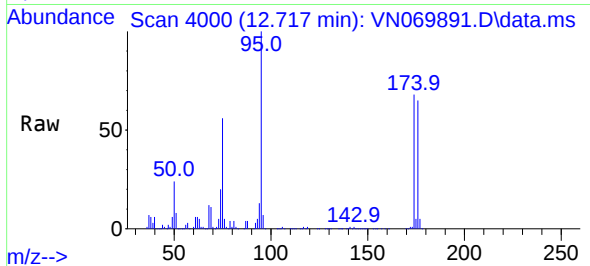




#71
Bromoform
Concen: 2.816 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

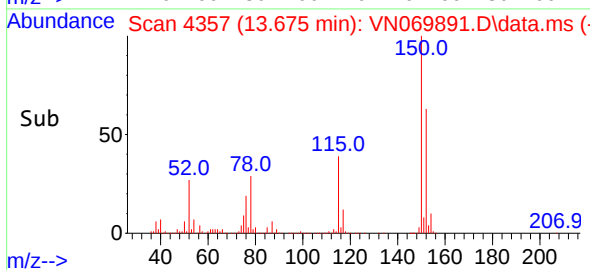
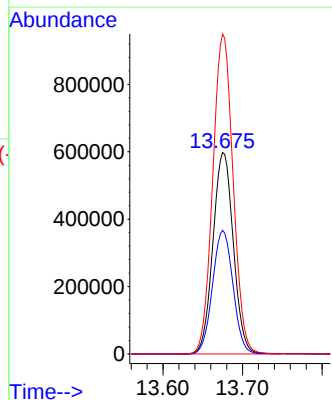
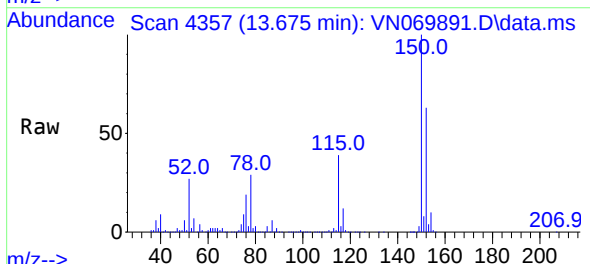
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

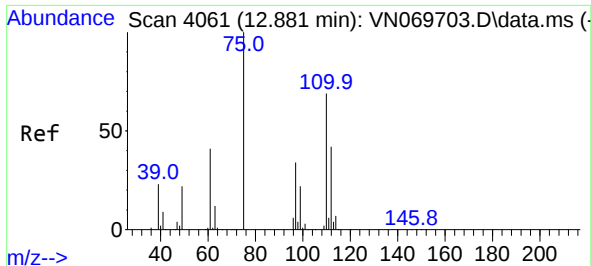
Tgt Ion:173 Resp: 1484
Ion Ratio Lower Upper
173 100
175 4589.9 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Tgt Ion:152 Resp: 1065264
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 158.2 0.0 344.4

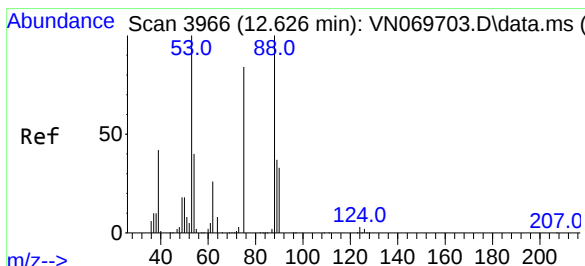
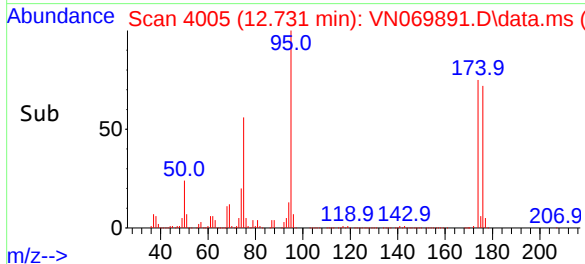
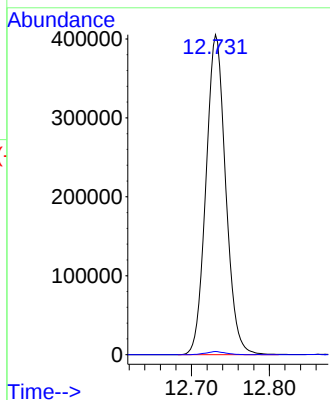
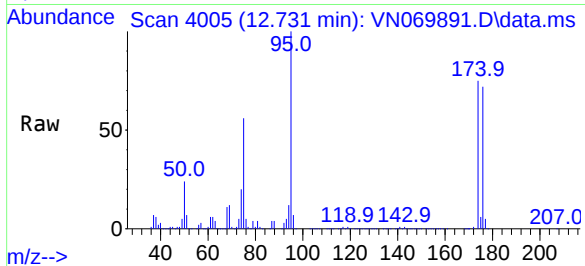




#76
1,2,3-Trichloropropane
Concen: 23.338 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

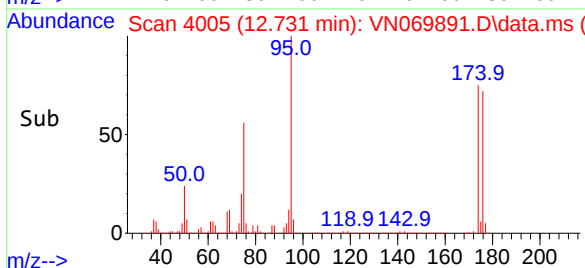
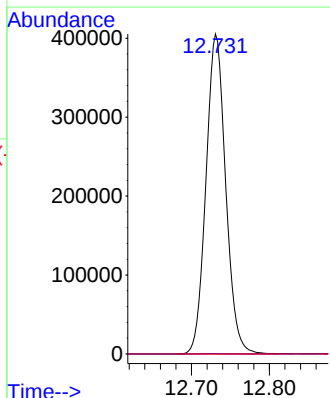
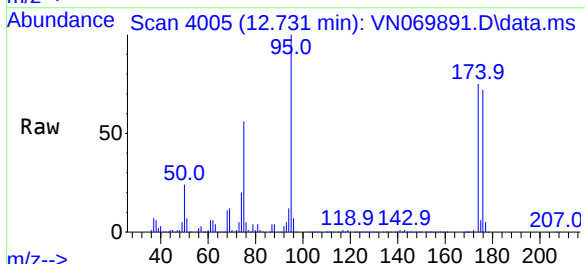
Instrument :
MSVOA_N
ClientSampleId :
TP-1S

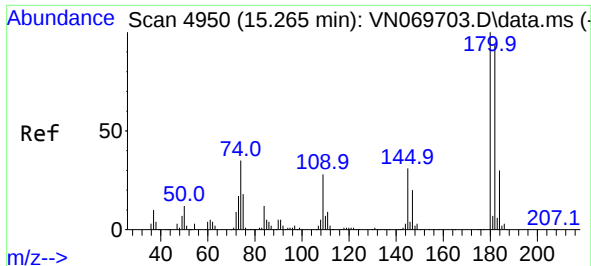
Tgt Ion: 75 Resp: 712959
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.239 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

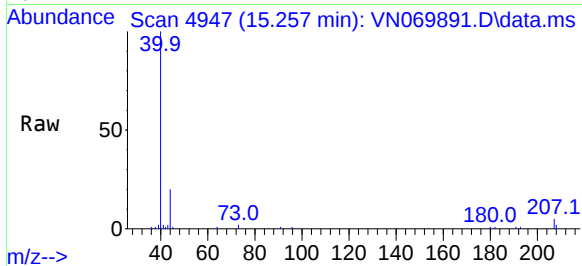
Tgt Ion: 75 Resp: 712959
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



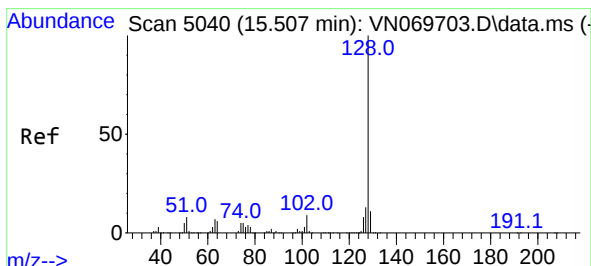
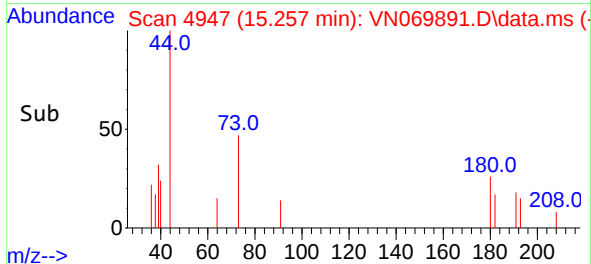
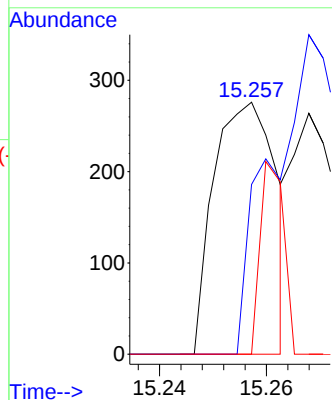


#93
1,2,4-Trichlorobenzene
Concen: 2.890 ug/l
RT: 15.257 min Scan# 4950
Delta R.T. -0.008 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

Instrument :
MSVOA_N
ClientSampleId :
TP-1S

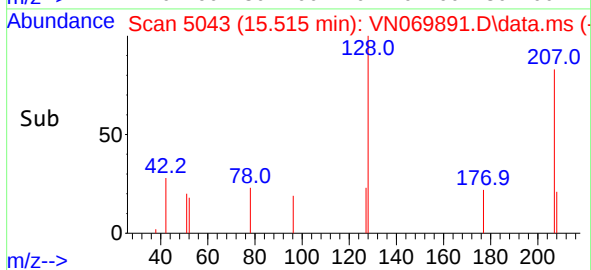
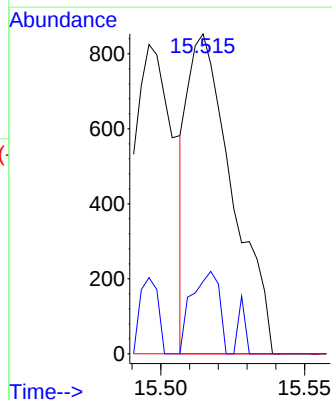
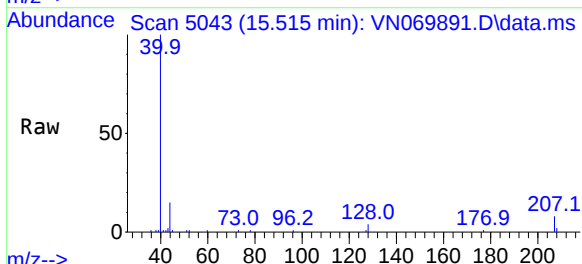


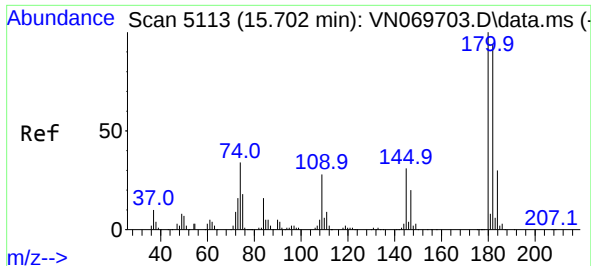
Tgt Ion:180 Resp: 221
Ion Ratio Lower Upper
180 100
182 143.0 48.3 144.9
145 29.0 14.5 43.5



#95
Naphthalene
Concen: 4.001 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069891.D
Acq: 9 Dec 2021 4:46

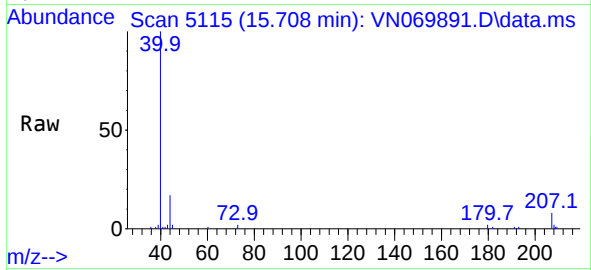
Tgt Ion:128 Resp: 925
Ion Ratio Lower Upper
128 100
127 15.9 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.455 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN069891.D
 Acq: 9 Dec 2021 4:46

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1S



Tgt Ion:180 Resp: 340
 Ion Ratio Lower Upper
 180 100
 182 59.7 47.4 142.2
 145 0.0 15.0 45.1#

