

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069896.D
 Acq On : 9 Dec 2021 6:53
 Operator : JC/MD
 Sample : M4959-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5D

Quant Time: Dec 09 12:01:04 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)

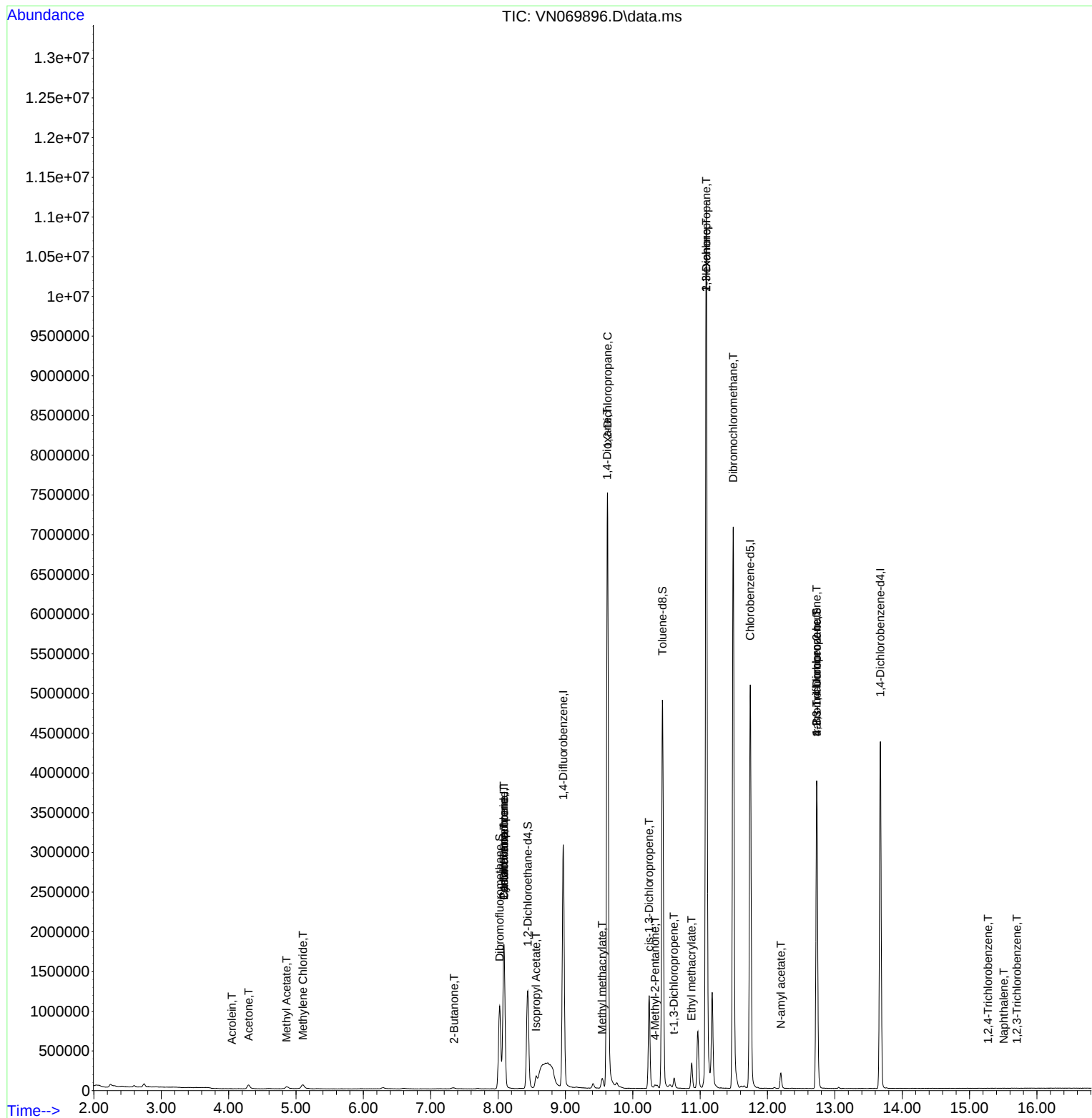
Internal Standards						
1) Pentafluorobenzene	8.088	168	1350502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2531748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2812449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1141039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1072075	51.414	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.820%			
35) Dibromofluoromethane	8.024	113	755900	47.666	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.340%			
50) Toluene-d8	10.440	98	3322296	52.175	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.731	95	1350585	58.546	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 117.100%			
Target Compounds					Qvalue	
13) Acrolein	4.049	56	678	0.202	ug/l #	69
16) Acetone	4.296	43	92927	7.409	ug/l	94
18) Methyl Acetate	4.859	43	55300	1.461	ug/l #	70
20) Methylene Chloride	5.103	84	33513	2.010	ug/l	87
25) 2-Butanone	7.348	43	15815	0.928	ug/l	94
31) Cyclohexane	8.085	56	34468	1.188	ug/l #	25
36) 1,1-Dichloropropene	8.085	75	116075	4.816	ug/l #	49
38) Carbon Tetrachloride	8.085	117	139285	5.893	ug/l #	16
43) Isopropyl Acetate	8.566	43	187630	3.535	ug/l #	79
45) 1,2-Dichloropropane	9.625	63	8490	0.429	ug/l #	44
48) Methyl methacrylate	9.544	41	35423	1.430	ug/l #	8
49) 1,4-Dioxane	9.620	88	1176	2.646	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	20585	0.598	ug/l #	84
53) t-1,3-Dichloropropene	10.609	75	484	2.810	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	188333	7.829	ug/l #	73
56) Ethyl methacrylate	10.869	69	1945	2.333	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	110408	3.455	ug/l #	43
59) 2-Hexanone	11.089	43	1997354	76.671	ug/l #	47
60) Dibromochloromethane	11.492	129	1253	2.438	ug/l #	11
74) N-amyl acetate	12.197	43	72424	1.613	ug/l #	53
76) 1,2,3-Trichloropropane	12.731	75	758681	23.185	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	758681	73.781	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.273	180	53	2.881	ug/l #	1
95) Naphthalene	15.507	128	651	3.996	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.702	180	139	2.443	ug/l #	70

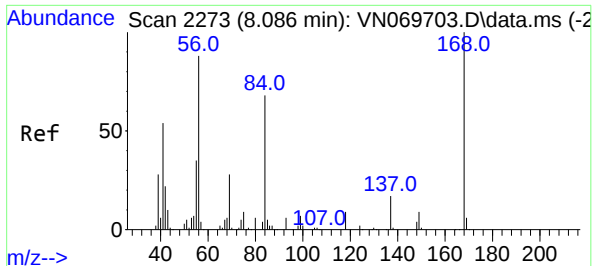
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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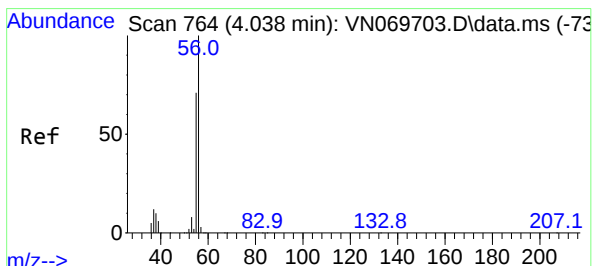
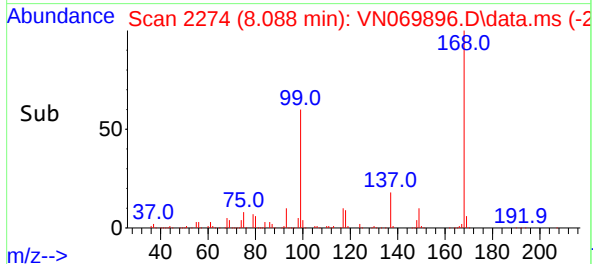
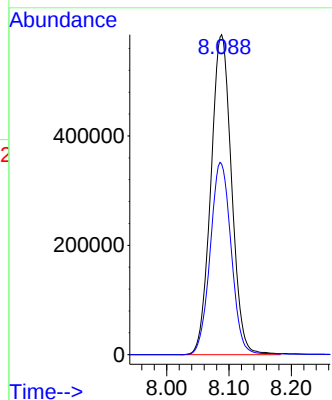
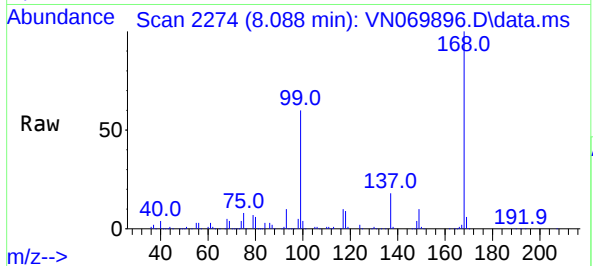




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

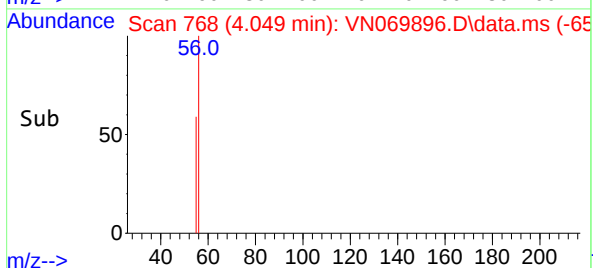
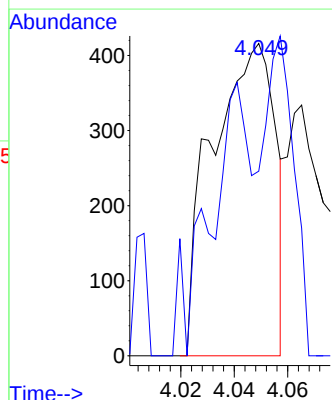
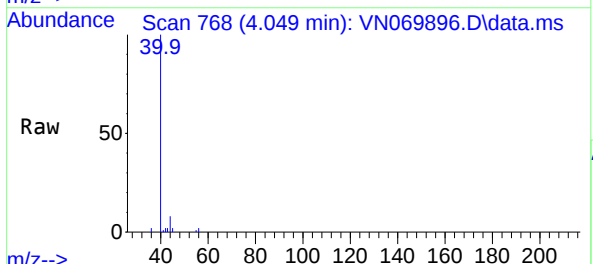
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

Tgt Ion:168 Resp: 1350502
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#13
Acrolein
Concen: 0.202 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 56 Resp: 678
Ion Ratio Lower Upper
56 100
55 45.1 56.6 85.0#

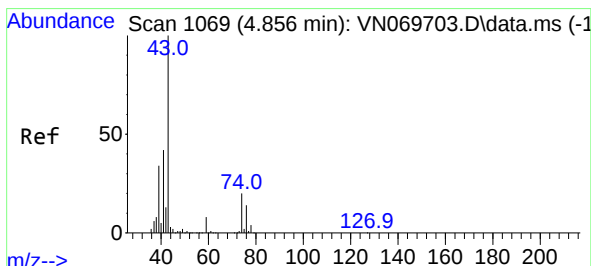
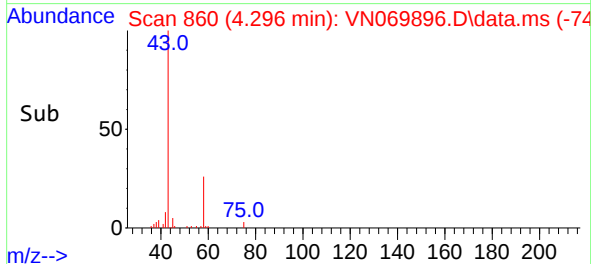
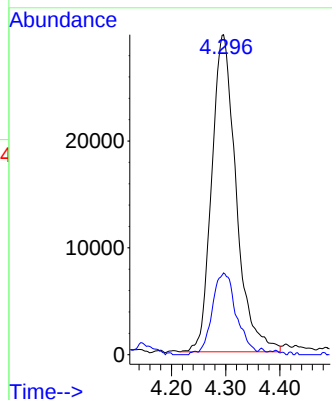
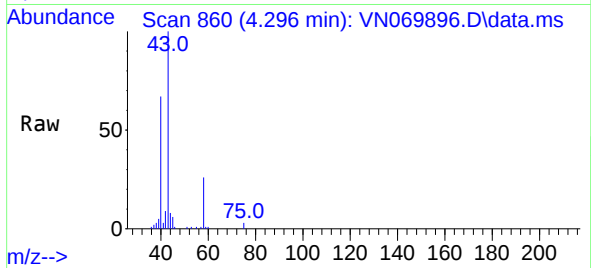




#16
Acetone
Concen: 7.409 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

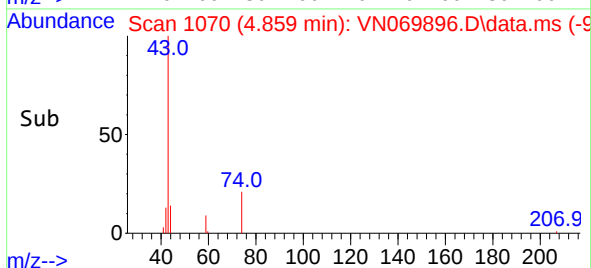
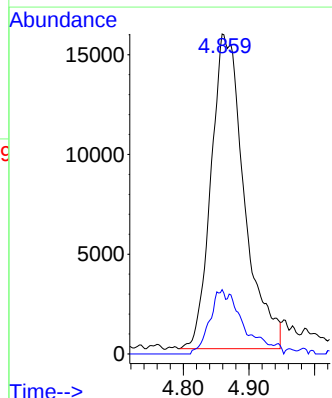
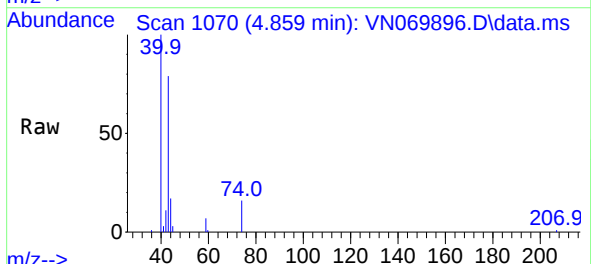
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

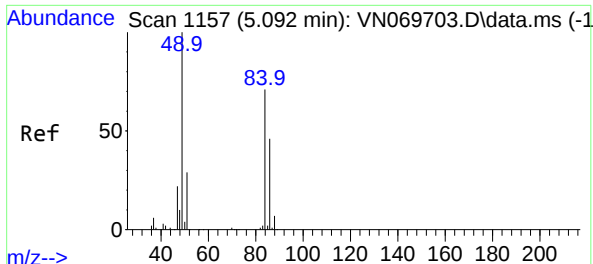
Tgt Ion: 43 Resp: 92927
Ion Ratio Lower Upper
43 100
58 25.8 23.1 34.7



#18
Methyl Acetate
Concen: 1.461 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 43 Resp: 55300
Ion Ratio Lower Upper
43 100
74 9.6 19.4 29.2#



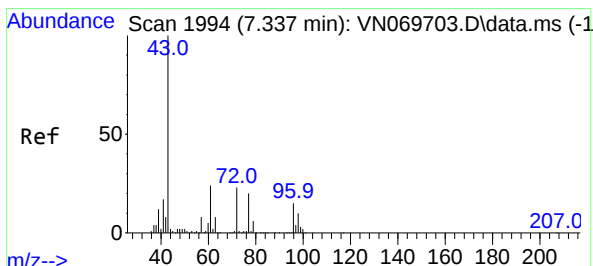
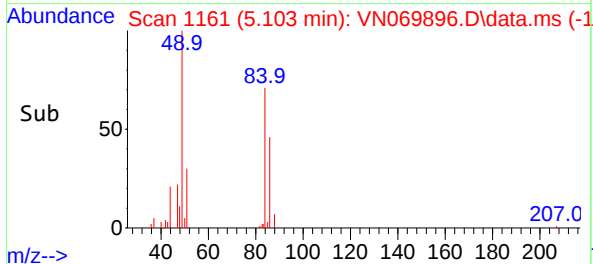
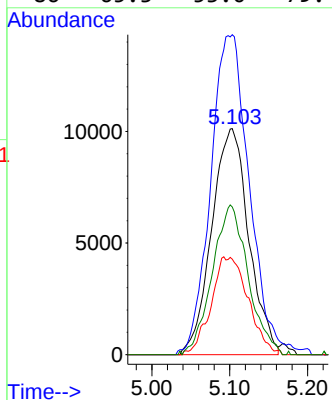
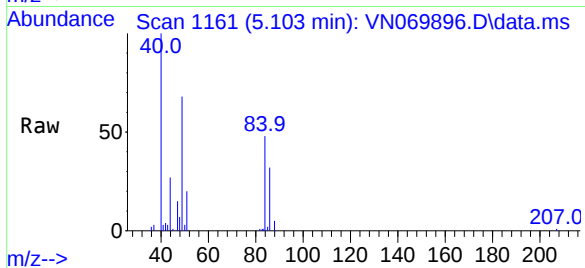


#20
Methylene Chloride
Concen: 2.010 ug/l
RT: 5.103 min Scan# 1157
Delta R.T. 0.011 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Instrument :
MSVOA_N
ClientSampleId :
TP-5D

Tgt Ion: 84 Resp: 33513

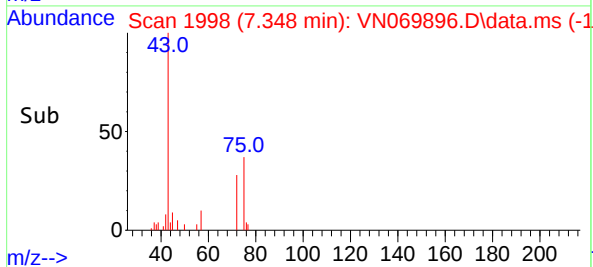
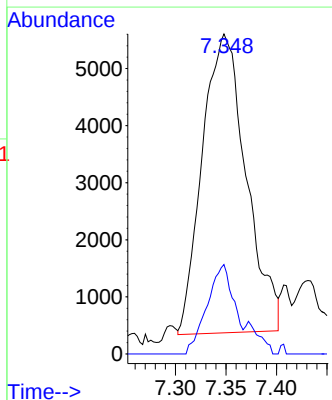
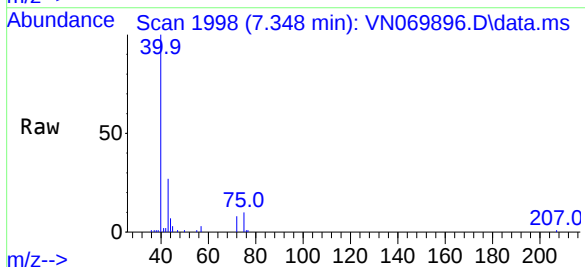
Ion	Ratio	Lower	Upper
84	100		
49	139.9	93.5	140.3
51	42.3	29.4	44.2
86	65.3	53.0	79.4

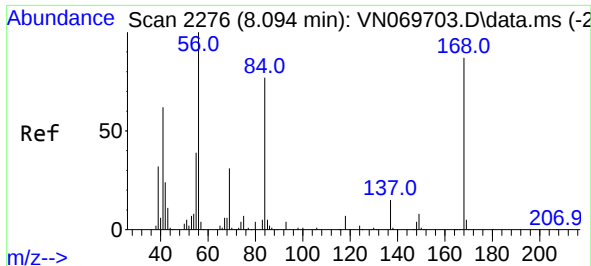


#25
2-Butanone
Concen: 0.928 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 43 Resp: 15815

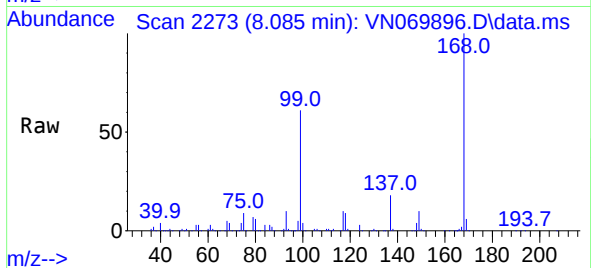
Ion	Ratio	Lower	Upper
43	100		
72	30.1	21.7	32.5



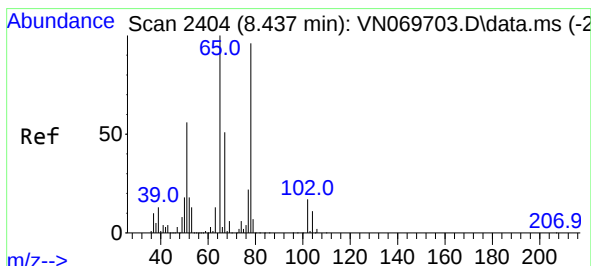
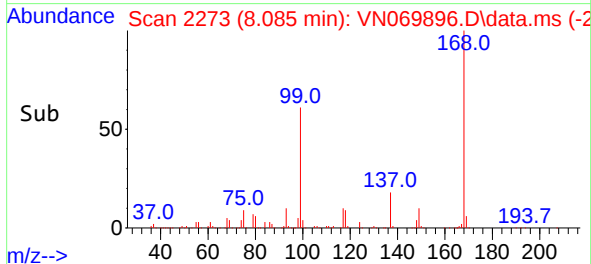
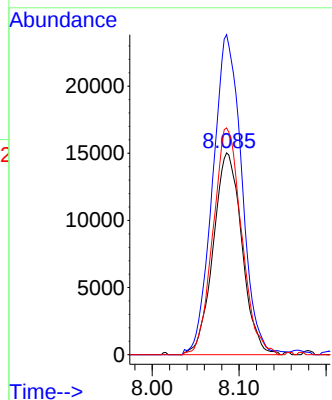


#31
Cyclohexane
Concen: 1.188 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Instrument :
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TP-5D

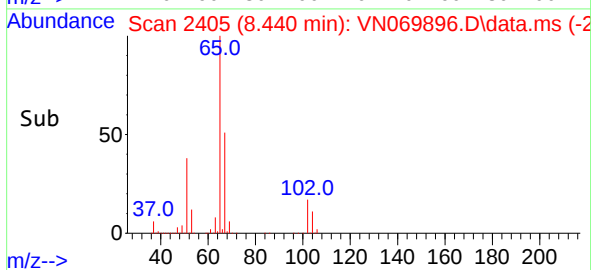
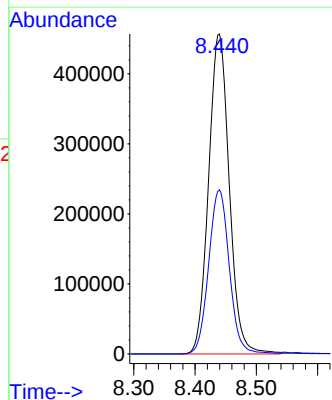
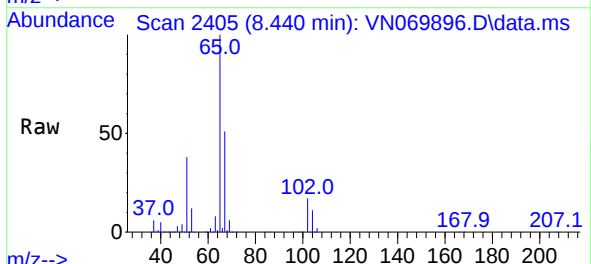


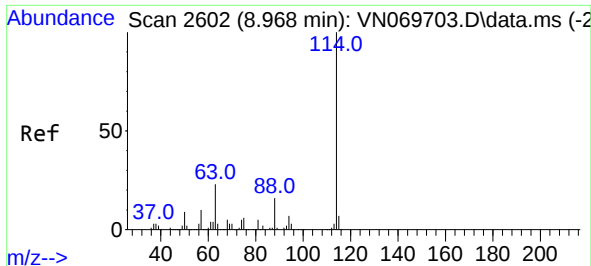
Tgt Ion: 56 Resp: 34468
Ion Ratio Lower Upper
56 100
69 158.6 27.1 40.7#
84 112.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.414 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 65 Resp: 1072075
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0

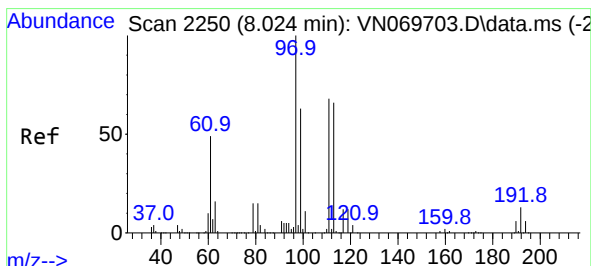
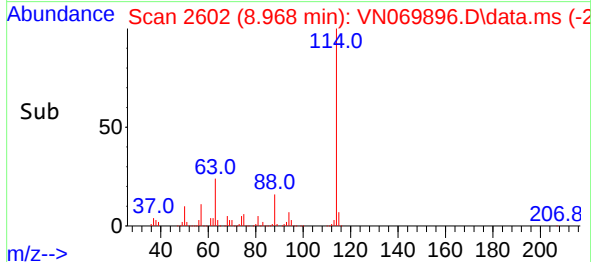
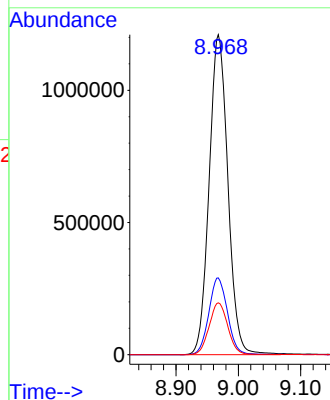
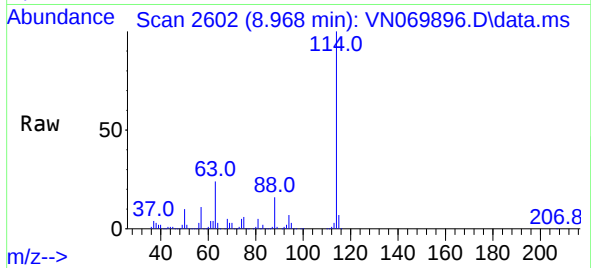




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

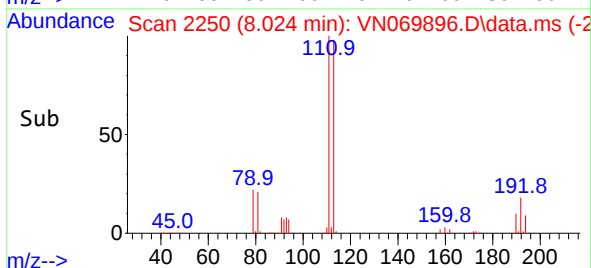
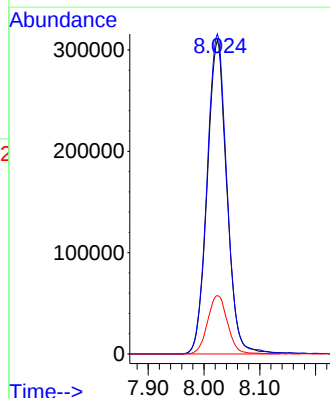
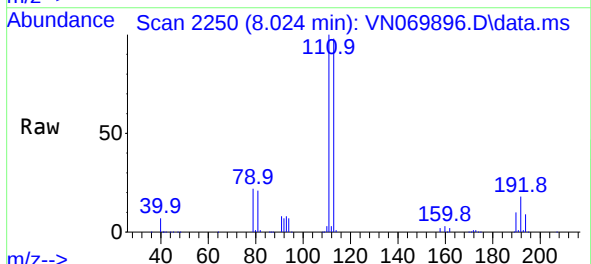
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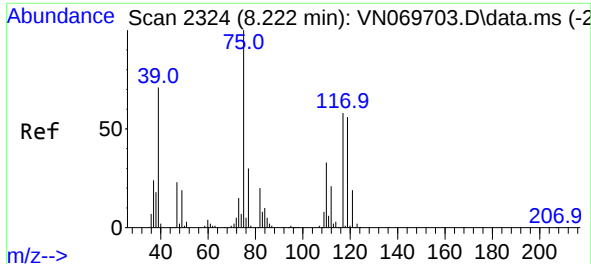
Tgt Ion:114 Resp: 2531748
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.666 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion:113 Resp: 755900
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.0 16.9 25.3

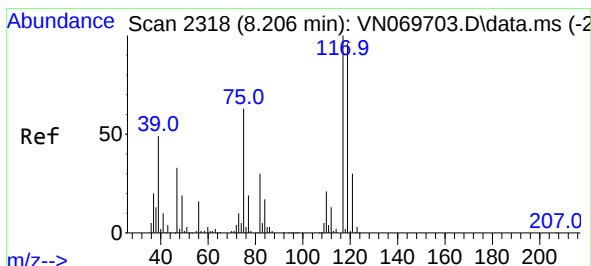
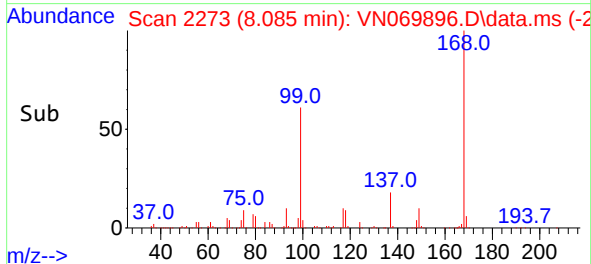
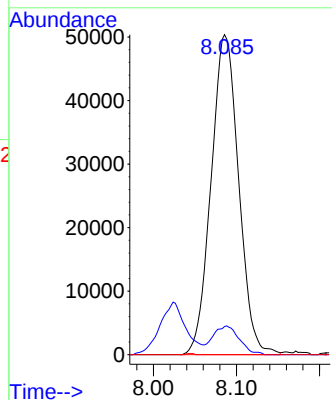
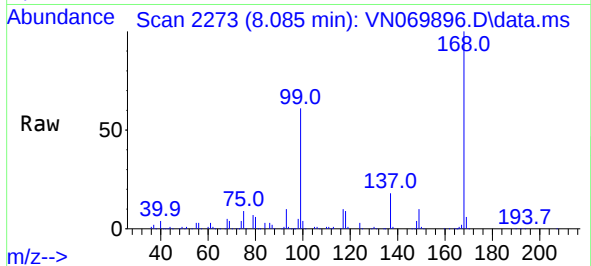




#36
1,1-Dichloropropene
Concen: 4.816 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

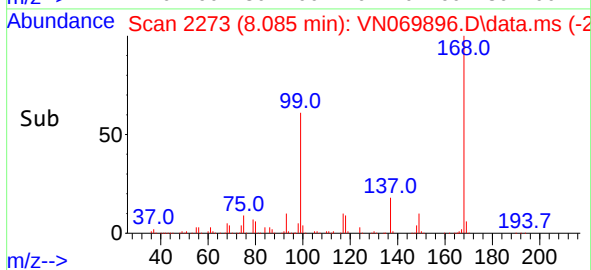
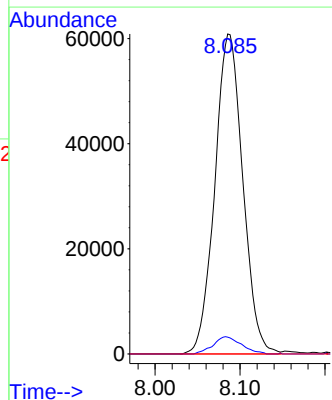
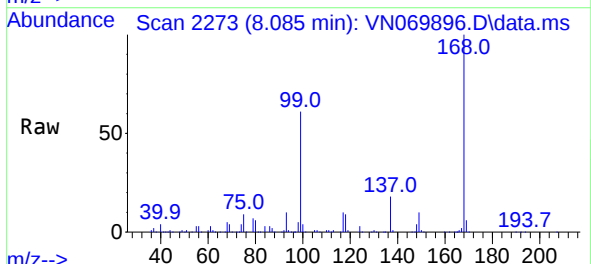
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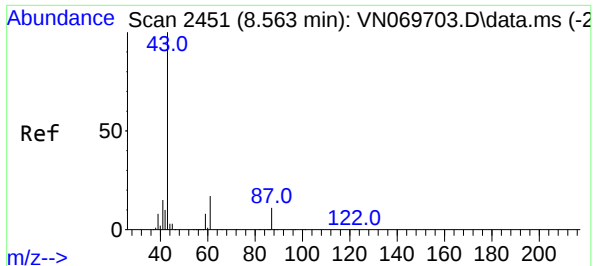
Tgt Ion: 75 Resp: 116075
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 117 Resp: 139285
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#

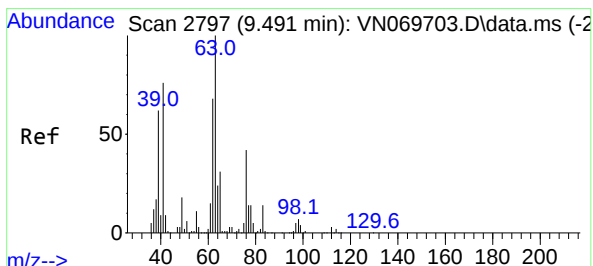
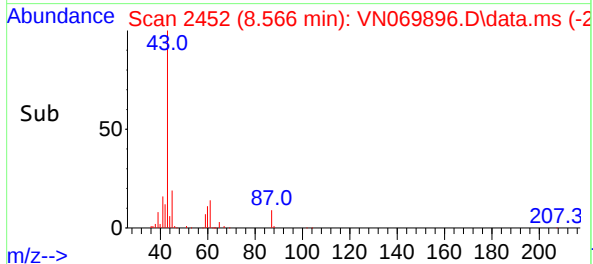
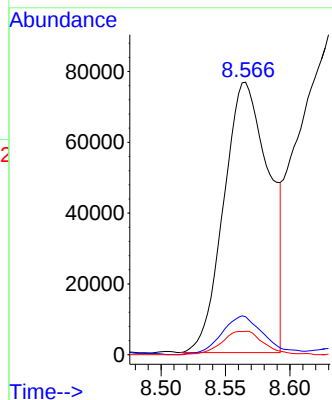
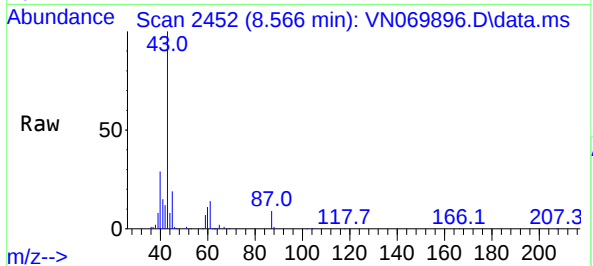




#43
Isopropyl Acetate
Concen: 3.535 ug/l
RT: 8.566 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

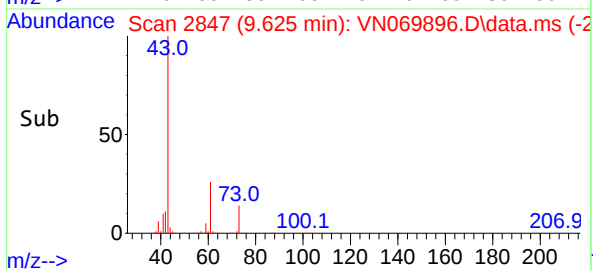
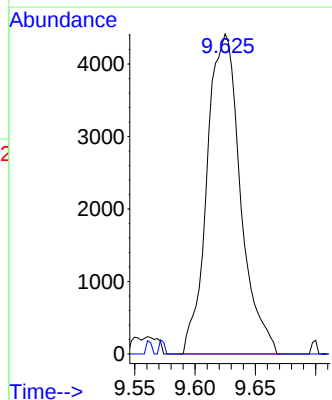
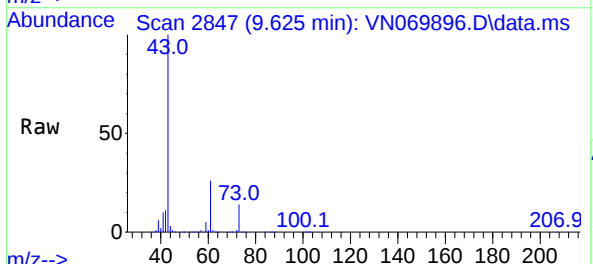
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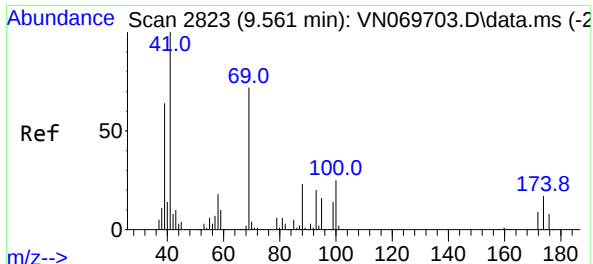
Tgt Ion: 43 Resp: 187630
Ion Ratio Lower Upper
43 100
61 13.4 20.4 30.6#
87 7.8 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.429 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 63 Resp: 8490
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

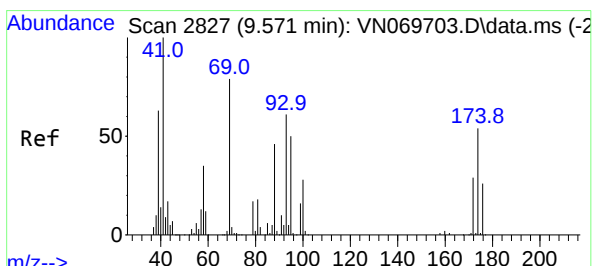
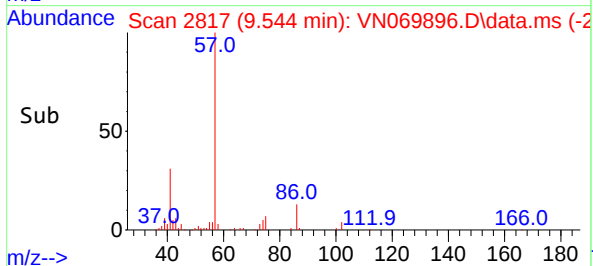
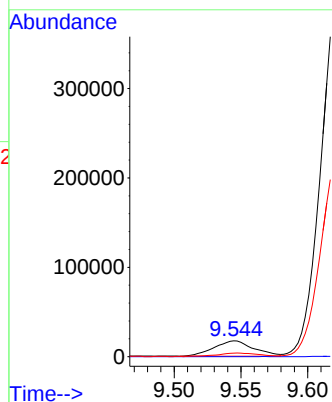
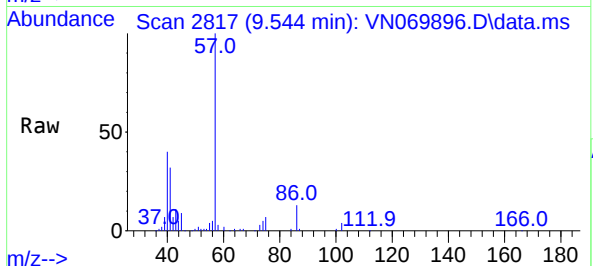




#48
Methyl methacrylate
Concen: 1.430 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.017 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

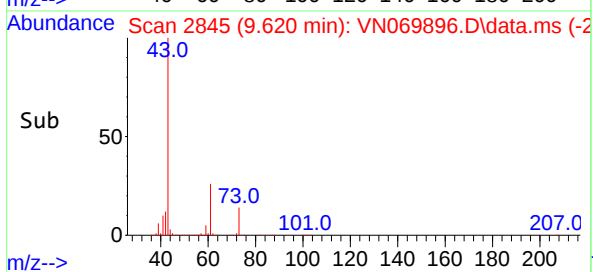
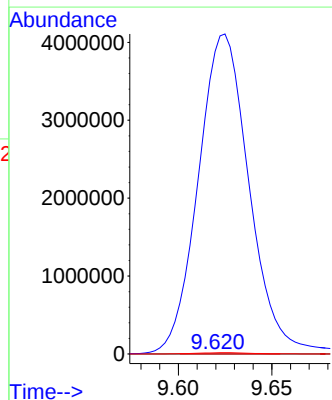
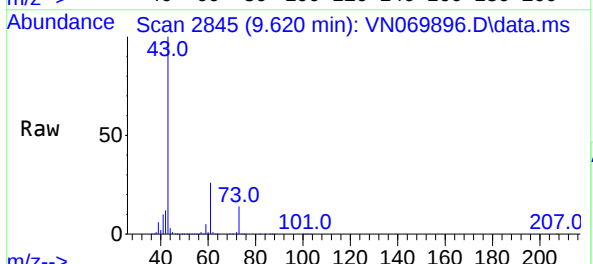
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

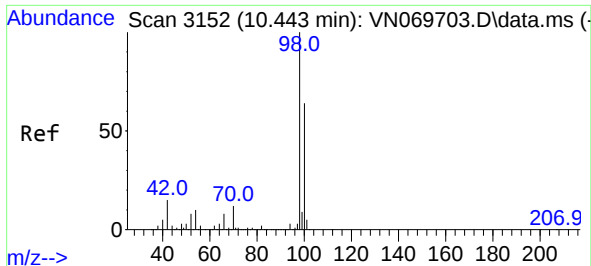
Tgt Ion: 41 Resp: 35423
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.646 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.048 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 88 Resp: 1176
Ion Ratio Lower Upper
88 100
43 673448.1 23.4 35.2#
58 2681.8 50.6 75.8#

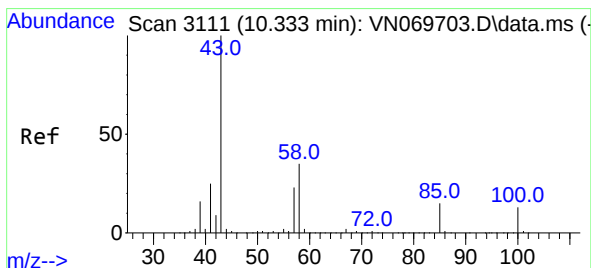
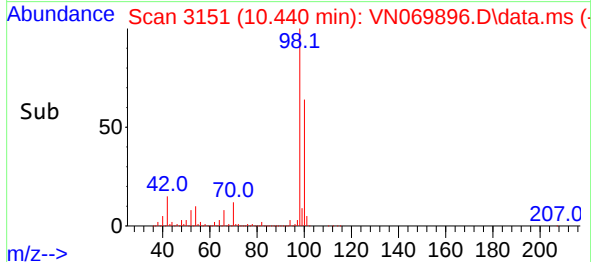
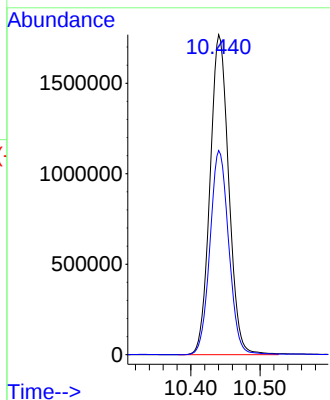
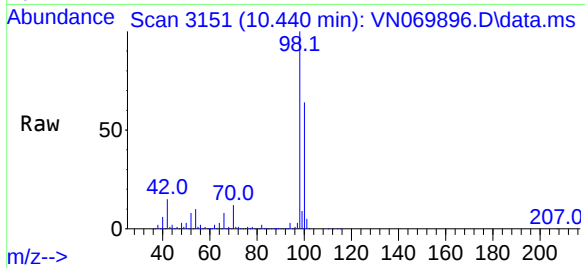




#50
Toluene-d8
Concen: 52.175 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

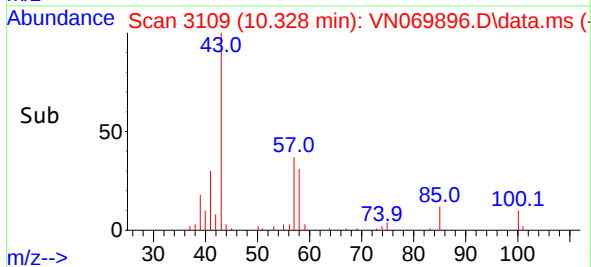
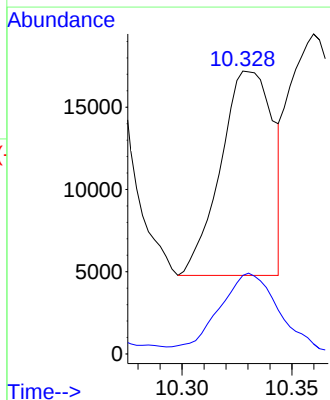
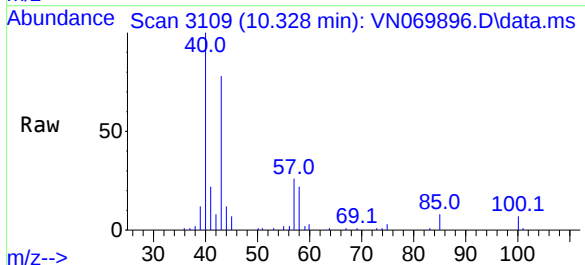
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

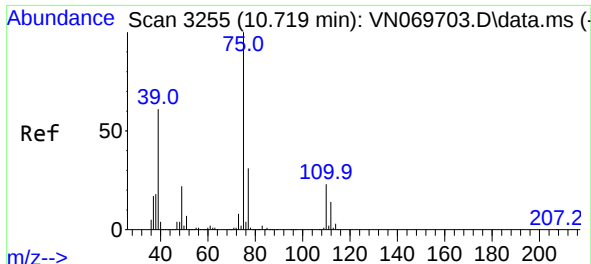
Tgt Ion: 98 Resp: 3322296
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.005 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 43 Resp: 20585
Ion Ratio Lower Upper
43 100
58 47.5 30.4 45.6#

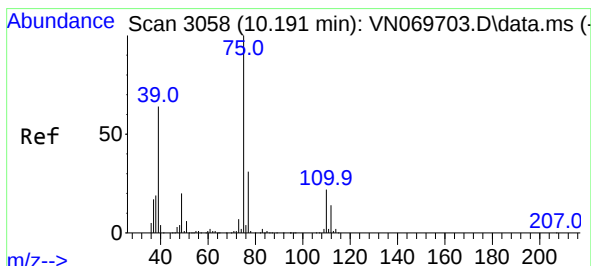
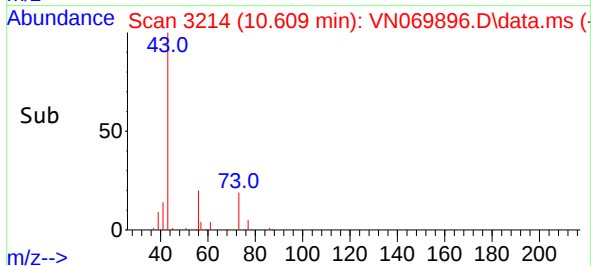
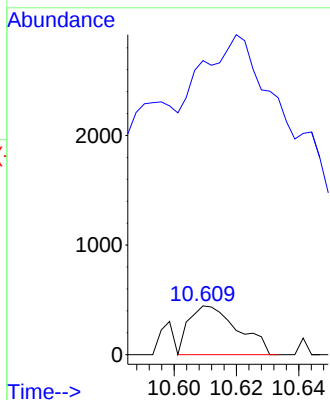
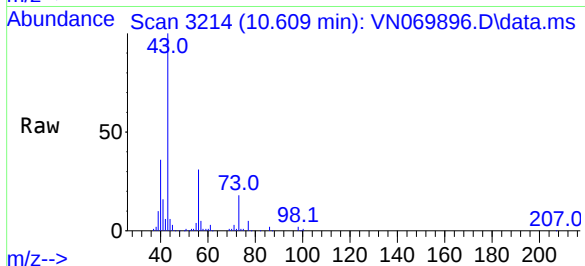




#53
t-1,3-Dichloropropene
Concen: 2.810 ug/l
RT: 10.609 min Scan# 31
Delta R.T. -0.110 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

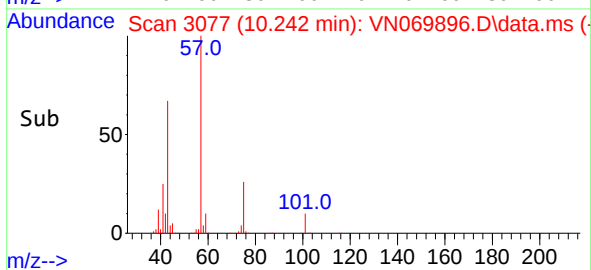
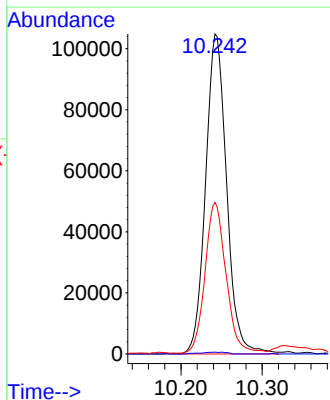
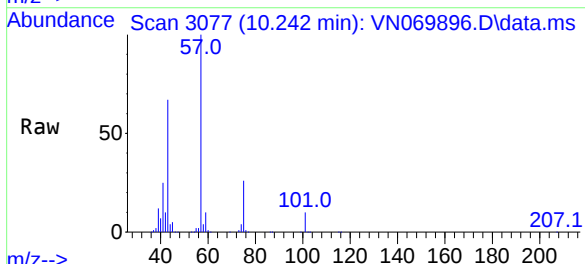
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

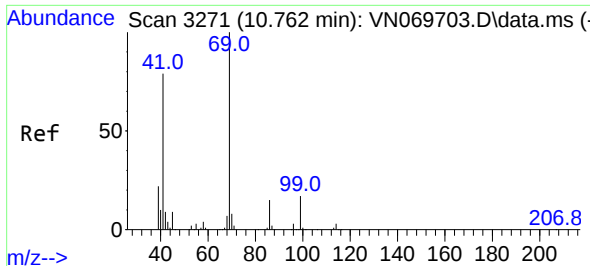
Tgt Ion: 75 Resp: 484
Ion Ratio Lower Upper
75 100
77 107.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 7.829 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 75 Resp: 188333
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 47.1 42.5 63.7

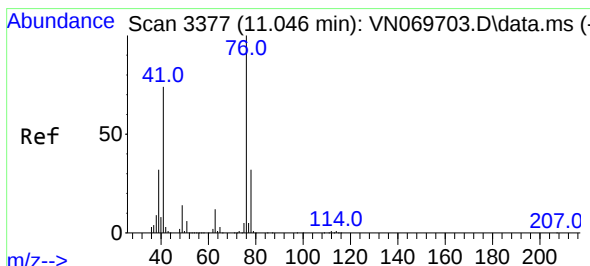
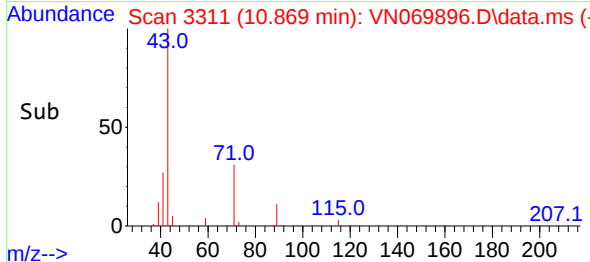
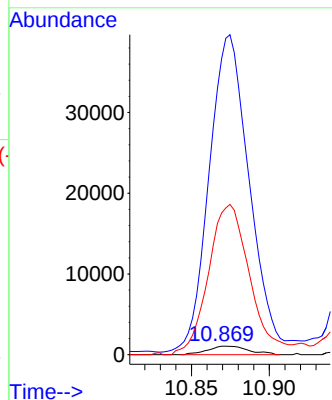
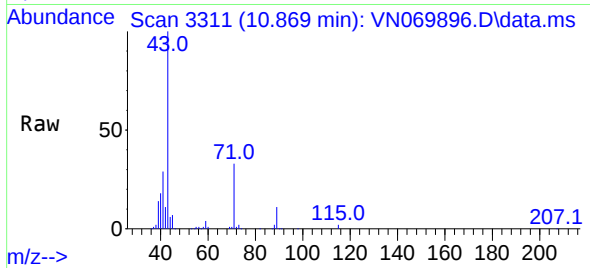




#56
Ethyl methacrylate
Concen: 2.333 ug/l
RT: 10.869 min Scan# 311
Delta R.T. 0.107 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

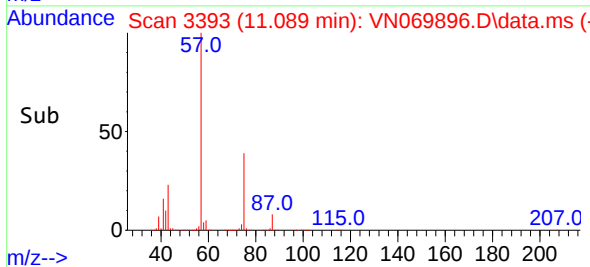
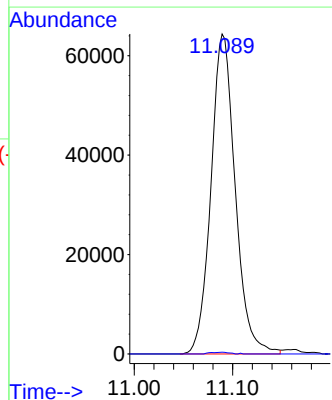
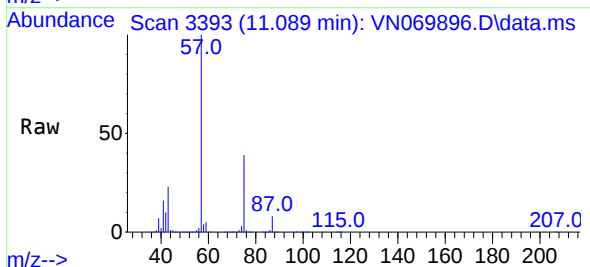
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

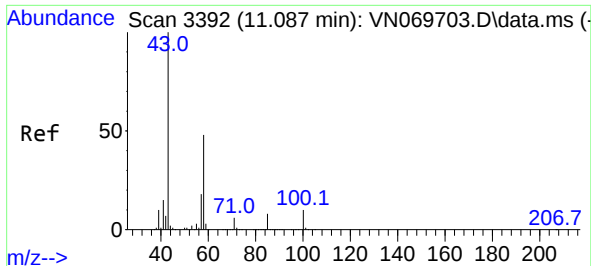
Tgt Ion: 69 Resp: 1945
Ion Ratio Lower Upper
69 100
41 3610.0 51.4 77.0#
39 1755.6 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.455 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 76 Resp: 110408
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

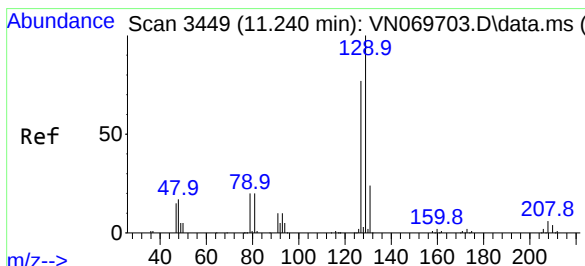
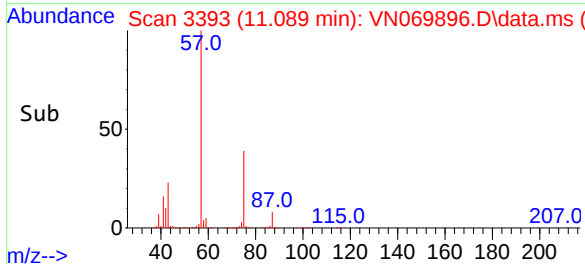
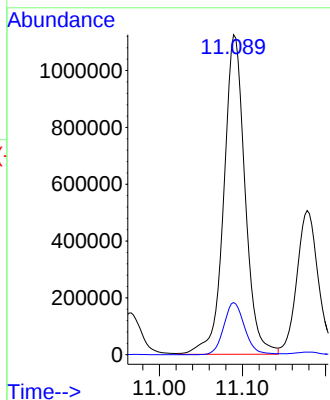
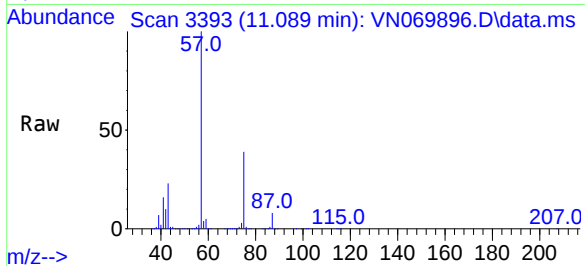




#59
2-Hexanone
Concen: 76.671 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

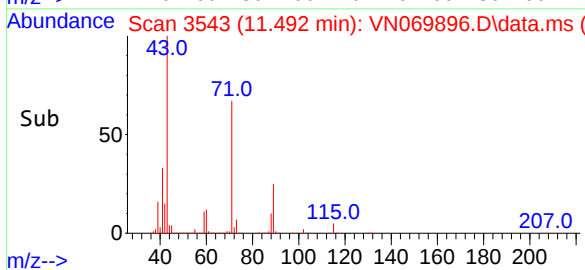
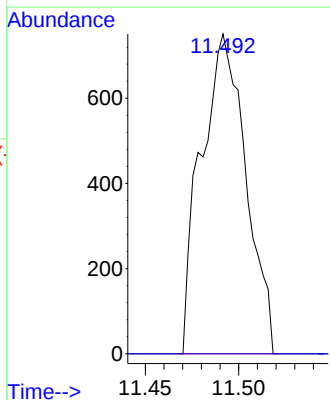
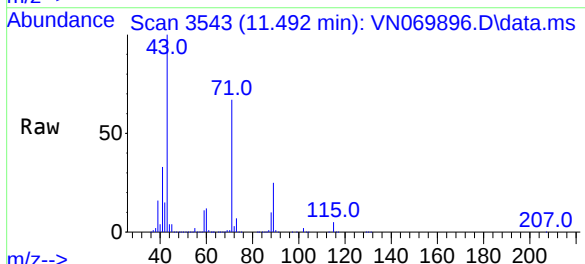
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

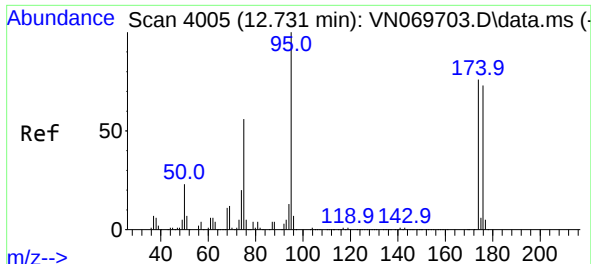
Tgt Ion: 43 Resp: 1997354
Ion Ratio Lower Upper
43 100
58 16.2 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.438 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.252 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion:129 Resp: 1253
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

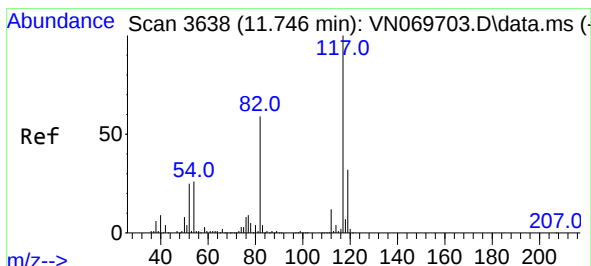
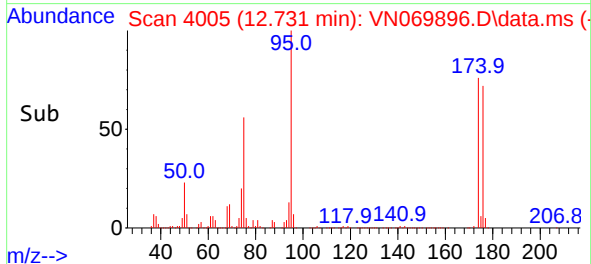
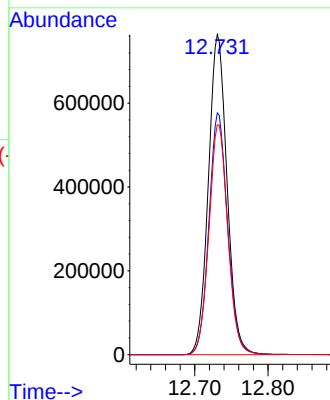
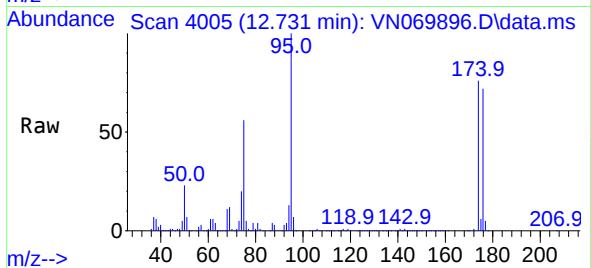




#62
4-Bromofluorobenzene
Concen: 58.546 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

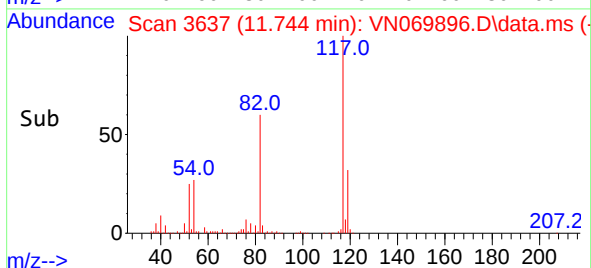
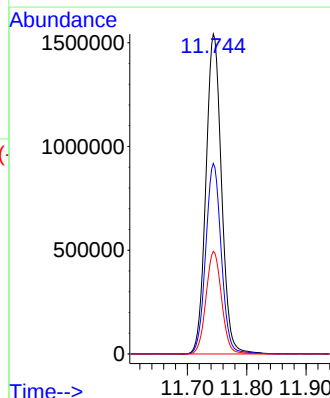
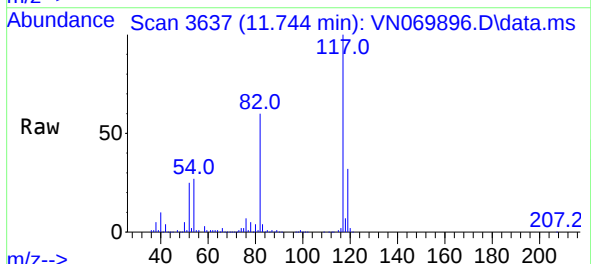
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

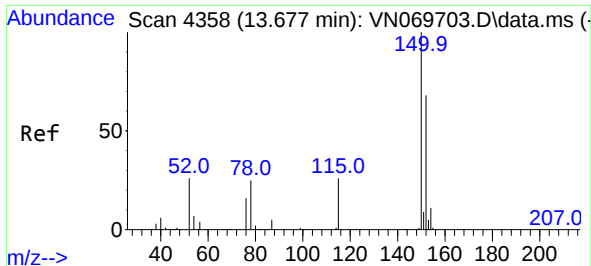
Tgt Ion: 95 Resp: 1350585
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 72.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 117 Resp: 2812449
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.0 25.4 38.2

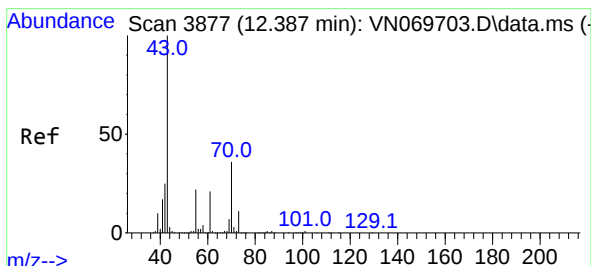
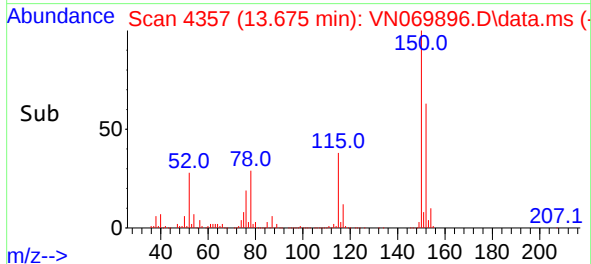
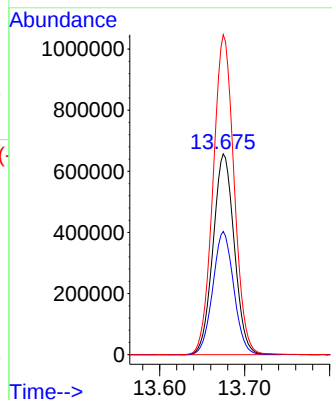
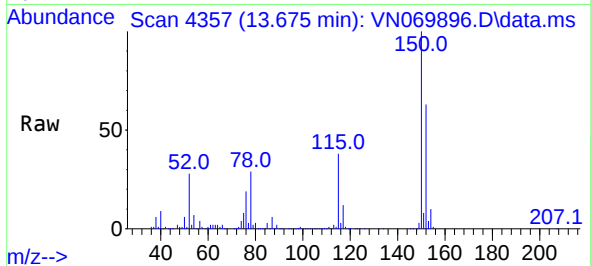




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

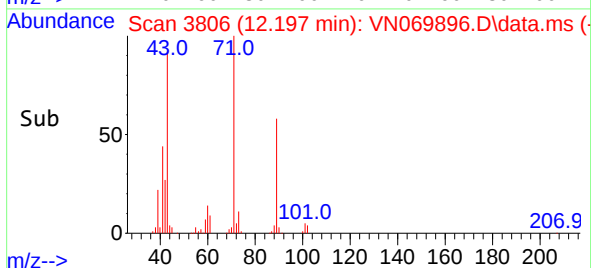
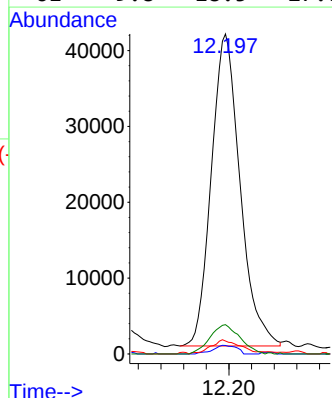
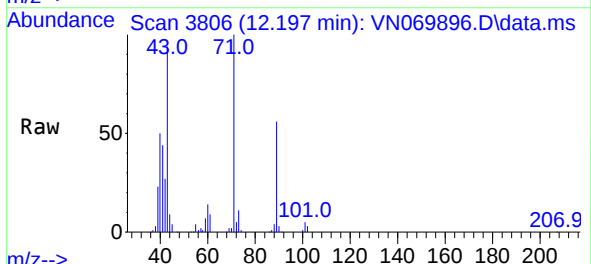
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

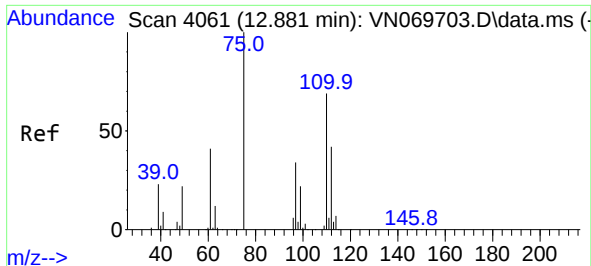
Tgt Ion:152 Resp: 1141039
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.8 0.0 344.4



#74
N-ethyl acetate
Concen: 1.613 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Tgt Ion: 43 Resp: 72424
Ion Ratio Lower Upper
43 100
70 2.3 33.4 50.0#
55 4.5 19.3 28.9#
61 9.8 18.5 27.7#

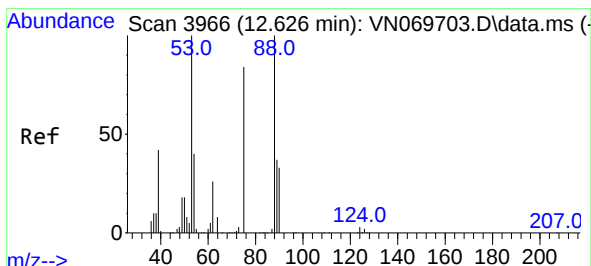
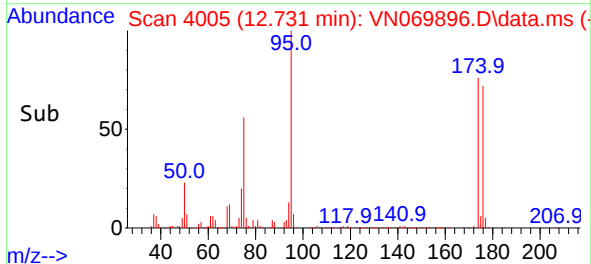
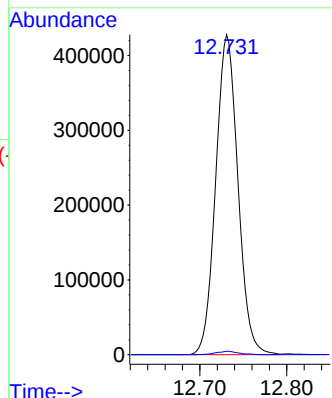
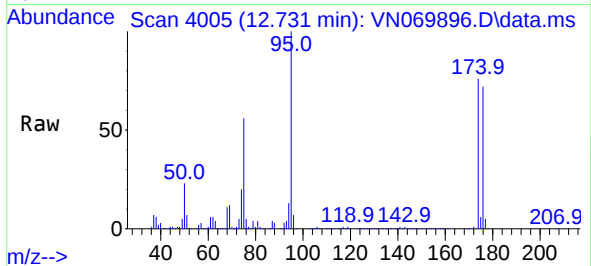




#76
1,2,3-Trichloropropane
Concen: 23.185 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

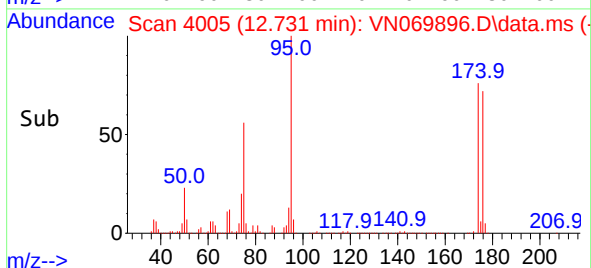
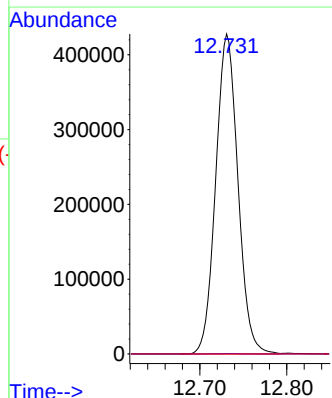
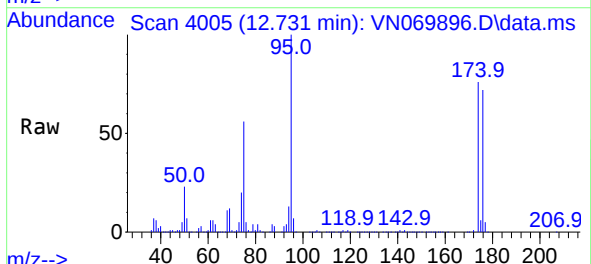
Instrument :
MSVOA_N
ClientSampleId :
TP-5D

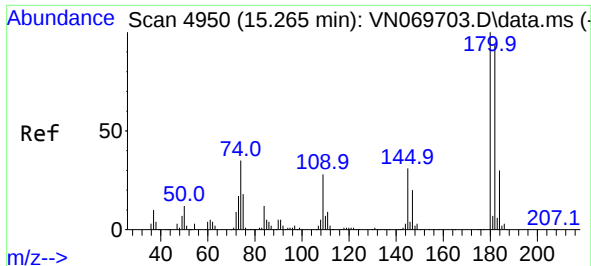
Tgt Ion: 75 Resp: 758681
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.781 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

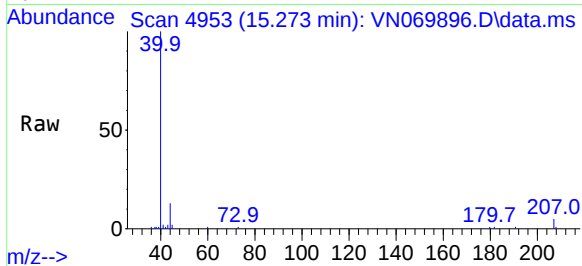
Tgt Ion: 75 Resp: 758681
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



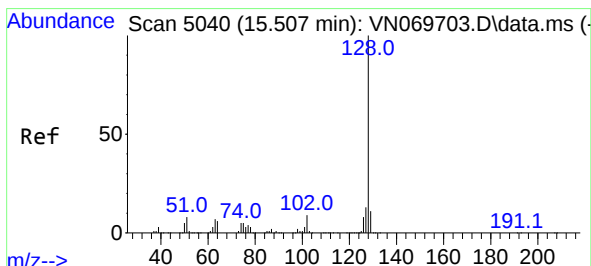
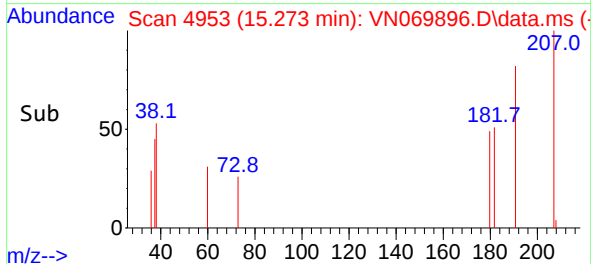
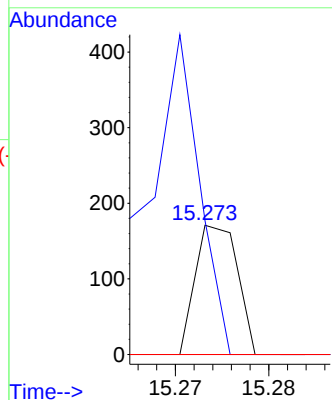


#93
1,2,4-Trichlorobenzene
Concen: 2.881 ug/l
RT: 15.273 min Scan# 4950
Delta R.T. 0.008 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

Instrument :
MSVOA_N
ClientSampleId :
TP-5D

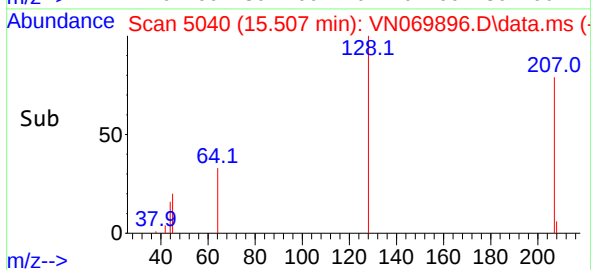
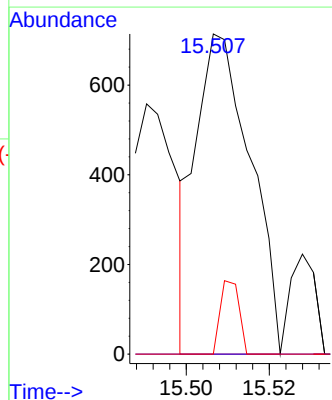
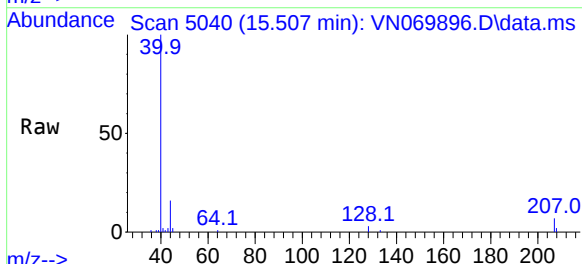


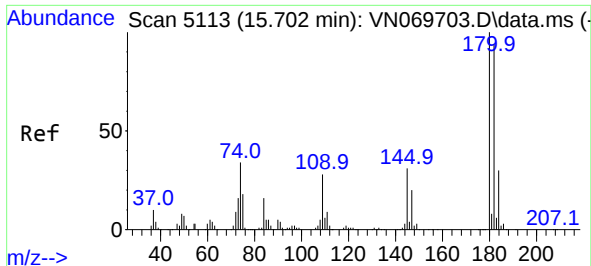
Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 245.3 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.996 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069896.D
Acq: 9 Dec 2021 6:53

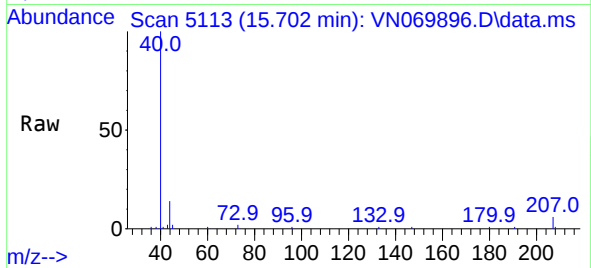
Tgt Ion:128 Resp: 651
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 8.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.443 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069896.D
 Acq: 9 Dec 2021 6:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5D



Tgt Ion:	180	Resp:	139
Ion	Ratio	Lower	Upper
180	100		
182	74.1	47.4	142.2
145	0.0	15.0	45.1#

