

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069897.D
 Acq On : 9 Dec 2021 7:18
 Operator : JC/MD
 Sample : M4959-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3D

Quant Time: Dec 09 12:01:38 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)

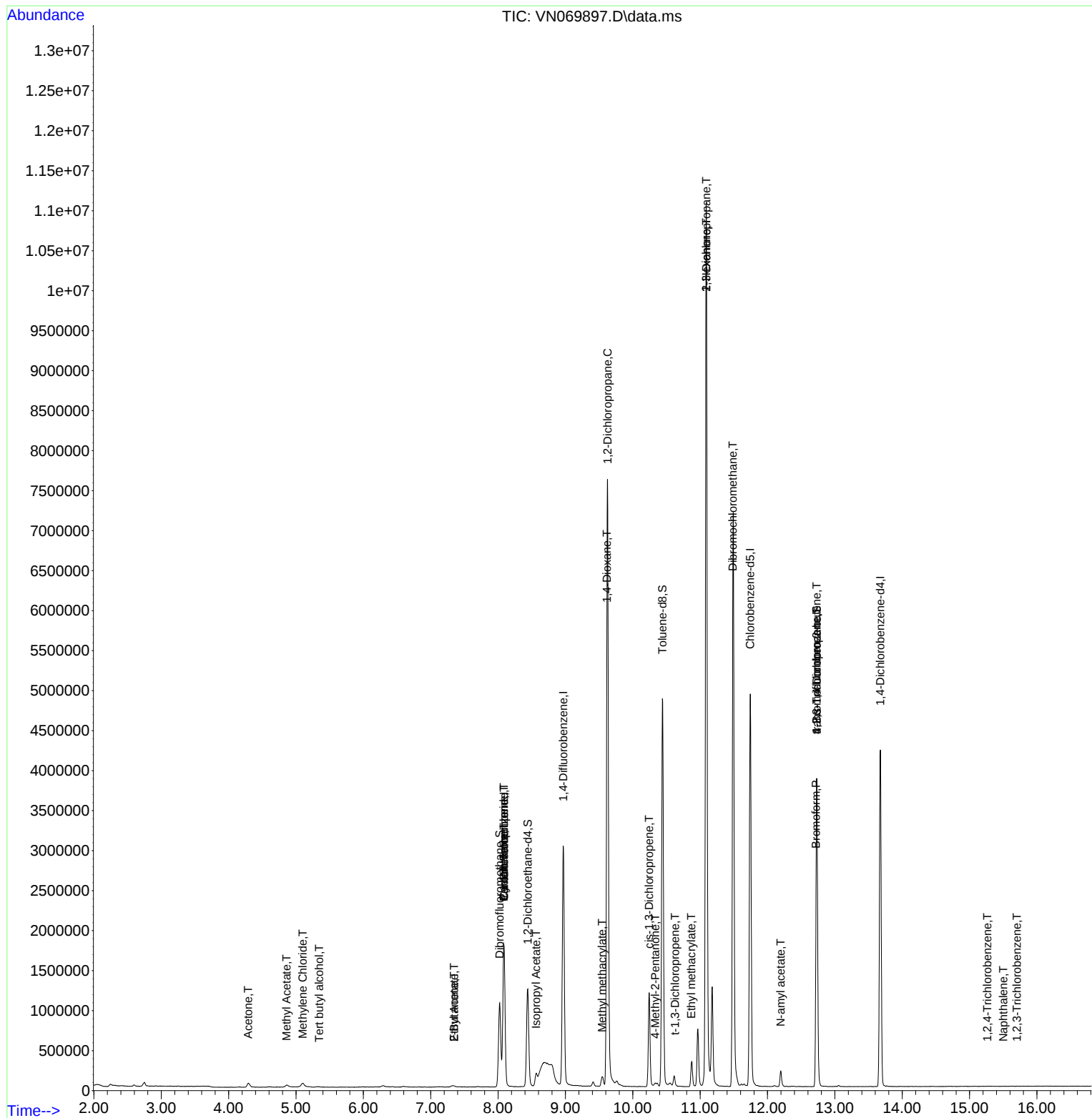
Internal Standards						
1) Pentafluorobenzene	8.088	168	1331473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2483538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2753012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1132193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1067727	51.937	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.880%	
35) Dibromofluoromethane	8.024	113	757623	48.702	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.400%	
50) Toluene-d8	10.440	98	3279454	52.502	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	12.731	95	1331947	58.859	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 117.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.345	59	877	0.226	ug/l #	88
16) Acetone	4.291	43	93470	7.558	ug/l	94
18) Methyl Acetate	4.859	43	25745	0.690	ug/l #	62
20) Methylene Chloride	5.098	84	31412	1.911	ug/l	87
25) 2-Butanone	7.348	43	15675	0.933	ug/l	96
31) Cyclohexane	8.086	56	34239	1.197	ug/l #	34
36) 1,1-Dichloropropene	8.086	75	113414	4.797	ug/l #	49
37) Ethyl Acetate	7.348	43	15675	0.445	ug/l #	69
38) Carbon Tetrachloride	8.088	117	137800	5.944	ug/l #	16
43) Isopropyl Acetate	8.563	43	196944	3.782	ug/l #	79
45) 1,2-Dichloropropane	9.628	63	8480	0.437	ug/l #	44
48) Methyl methacrylate	9.545	41	38044	1.565	ug/l #	8
49) 1,4-Dioxane	9.614	88	433	0.993	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	19928	0.590	ug/l #	81
53) t-1,3-Dichloropropene	10.625	75	179	2.800	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	187821	7.926	ug/l #	71
56) Ethyl methacrylate	10.869	69	1723	2.328	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	110261	3.518	ug/l #	43
59) 2-Hexanone	11.089	43	1975866	77.319	ug/l #	48
60) Dibromochloromethane	11.484	129	1006	2.426	ug/l #	11
71) Bromoform	12.720	173	2818	2.889	ug/l #	1
74) N-amyl acetate	12.194	43	73175	1.643	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	746138	22.980	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	746138	73.164	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	86	2.882	ug/l #	12
95) Naphthalene	15.501	128	188	3.988	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.702	180	25	2.437	ug/l #	1

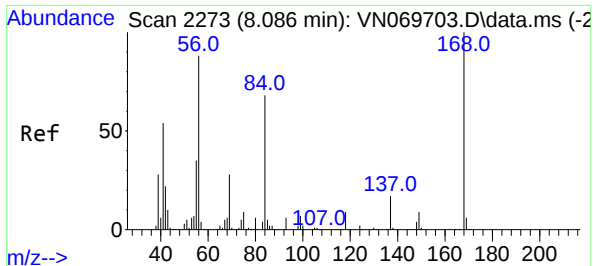
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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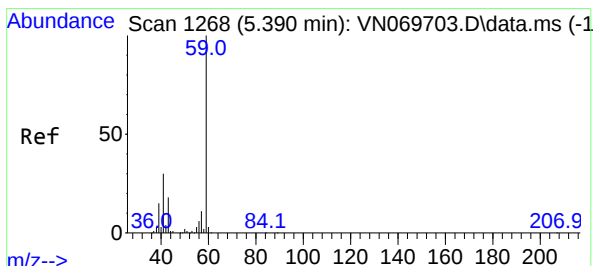
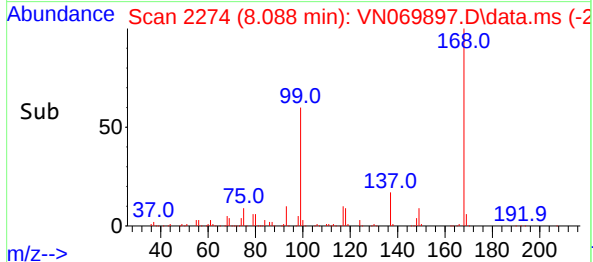
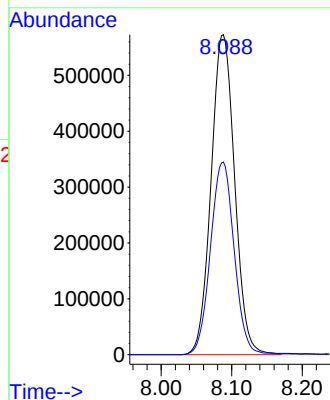
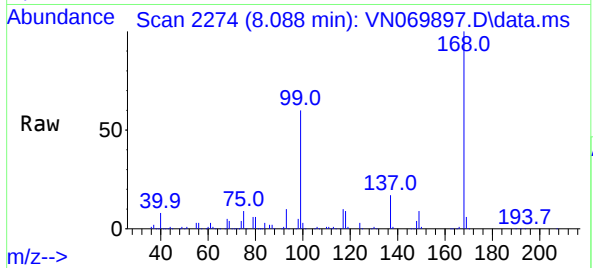




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

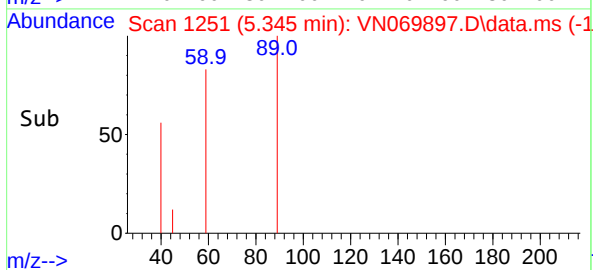
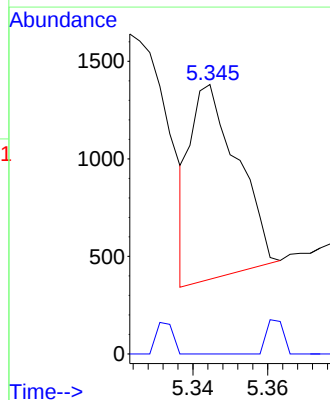
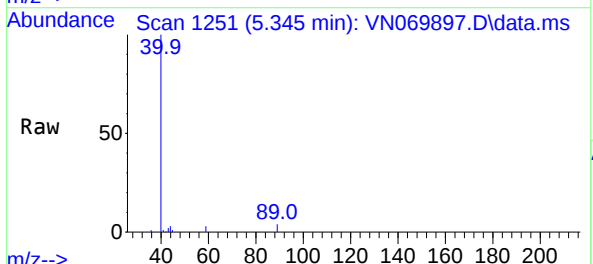
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

Tgt Ion:168 Resp: 1331473
Ion Ratio Lower Upper
168 100
99 60.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.226 ug/l
RT: 5.345 min Scan# 1251
Delta R.T. -0.046 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 59 Resp: 877
Ion Ratio Lower Upper
59 100
57 6.3 8.7 13.1#

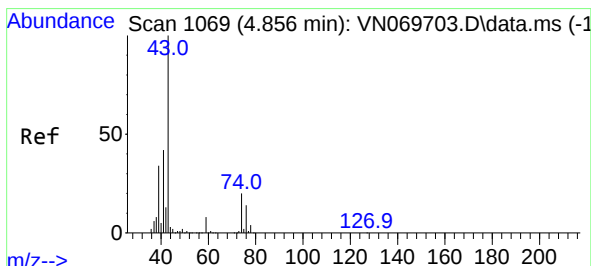
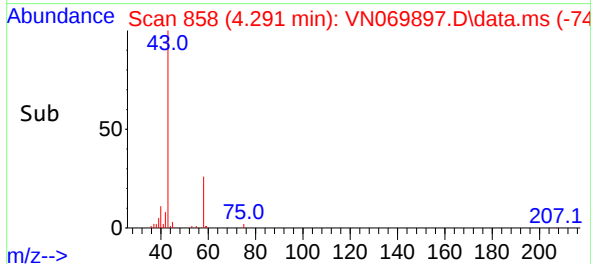
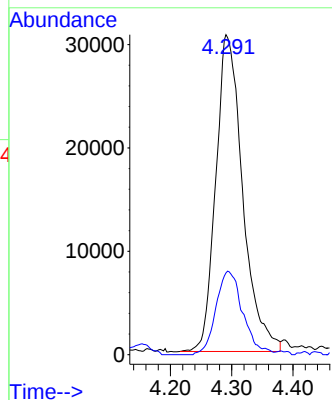
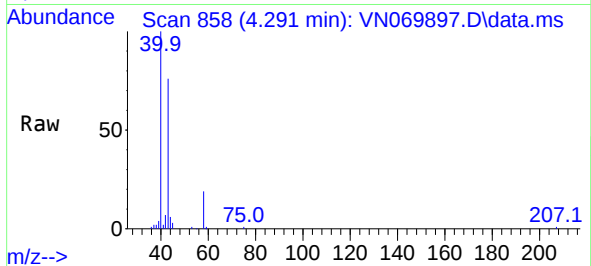




#16
Acetone
Concen: 7.558 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

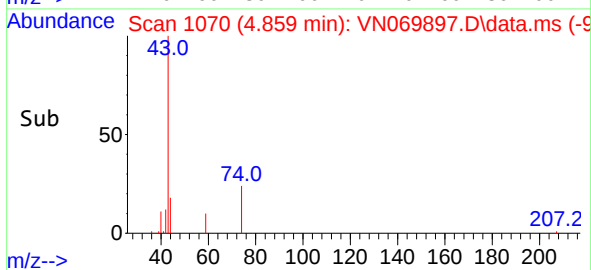
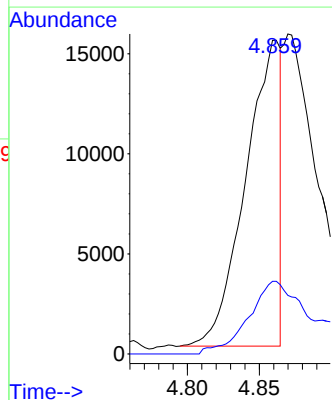
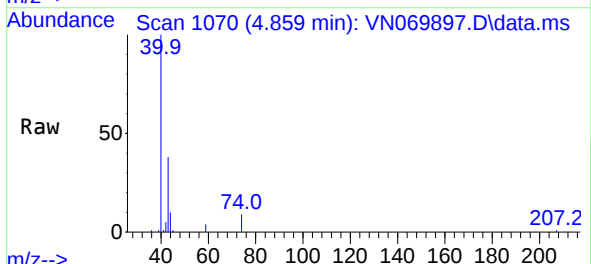
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

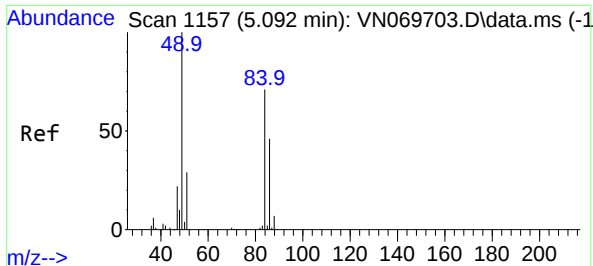
Tgt Ion: 43 Resp: 93470
Ion Ratio Lower Upper
43 100
58 25.8 23.1 34.7



#18
Methyl Acetate
Concen: 0.690 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 43 Resp: 25745
Ion Ratio Lower Upper
43 100
74 43.1 19.4 29.2#



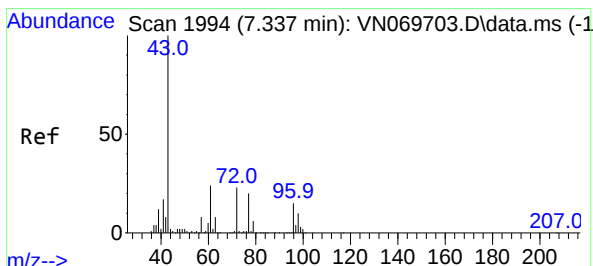
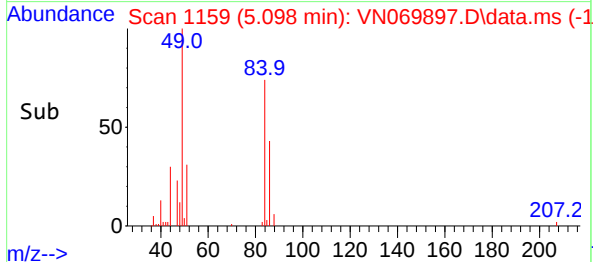
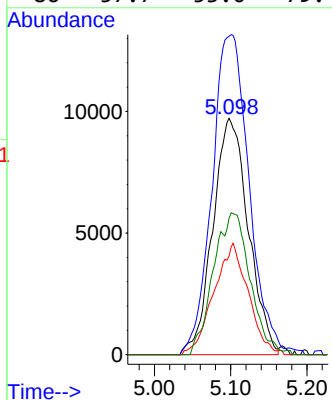
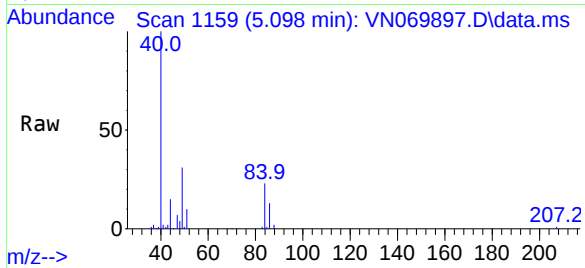


#20
Methylene Chloride
Concen: 1.911 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.005 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Instrument :
MSVOA_N
ClientSampleId :
TP-3D

Tgt Ion: 84 Resp: 31412

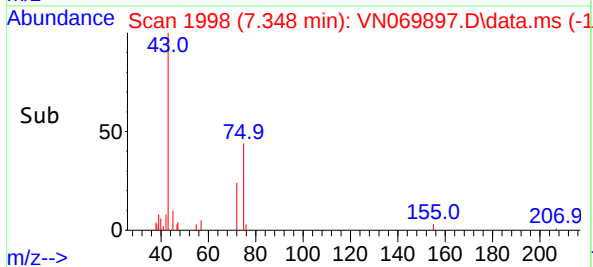
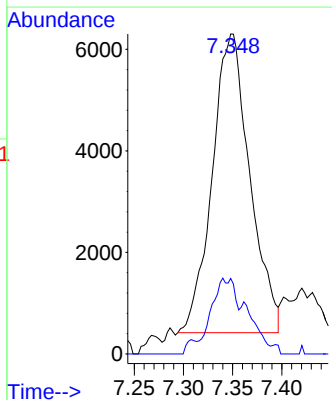
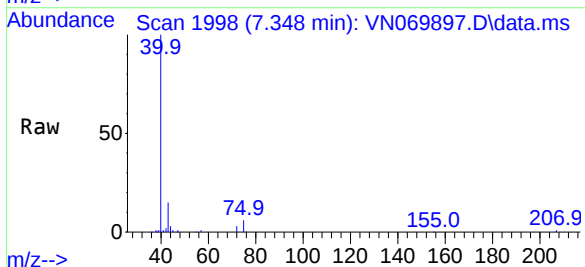
Ion	Ratio	Lower	Upper
84	100		
49	134.7	93.5	140.3
51	41.7	29.4	44.2
86	57.7	53.0	79.4

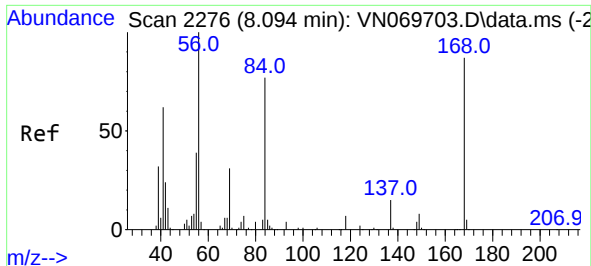


#25
2-Butanone
Concen: 0.933 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 43 Resp: 15675

Ion	Ratio	Lower	Upper
43	100		
72	25.3	21.7	32.5

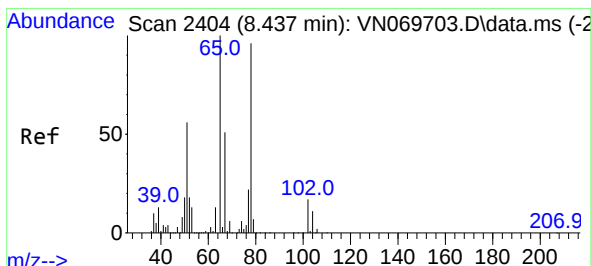
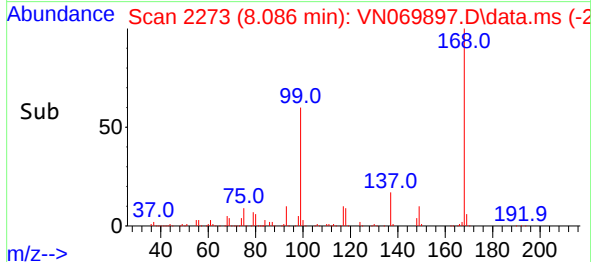
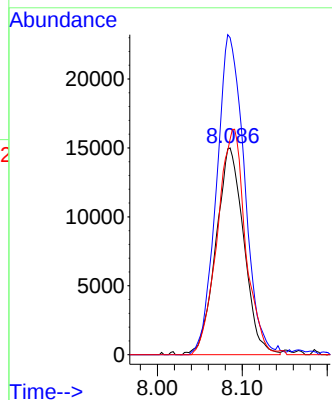
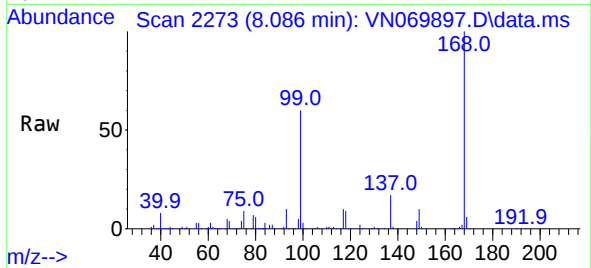




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

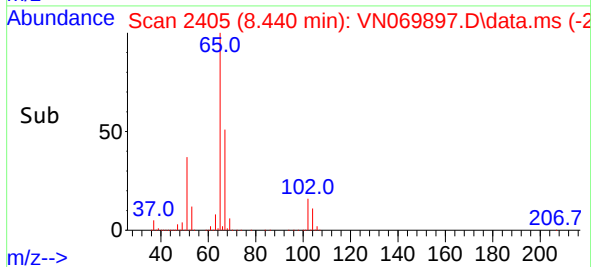
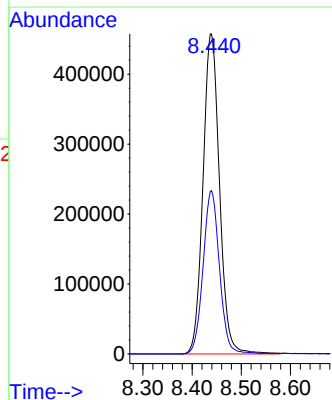
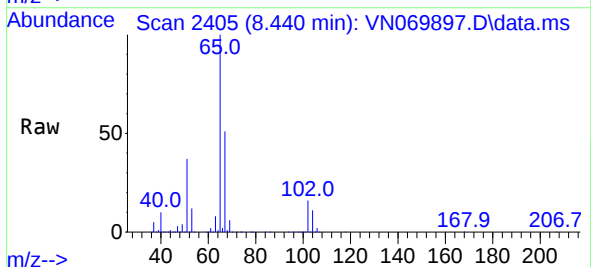
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

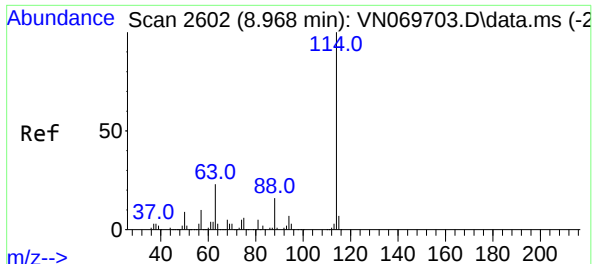
Tgt Ion: 56 Resp: 34239
Ion Ratio Lower Upper
56 100
69 153.4 27.1 40.7#
84 104.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.937 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 65 Resp: 1067727
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

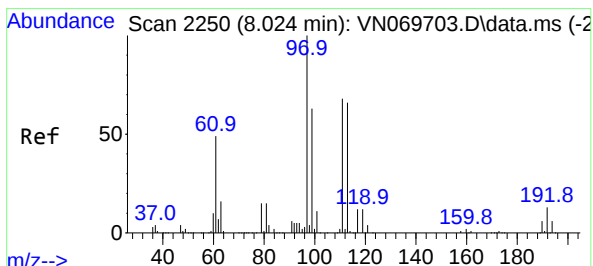
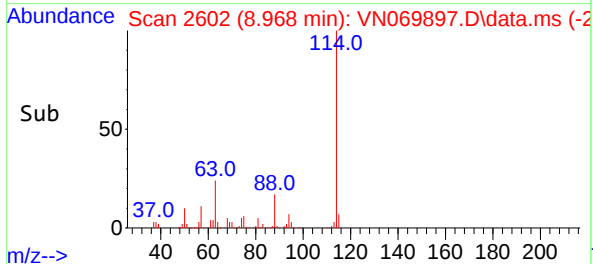
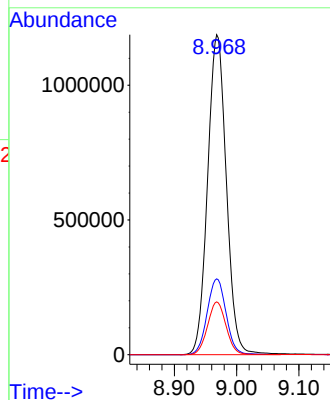
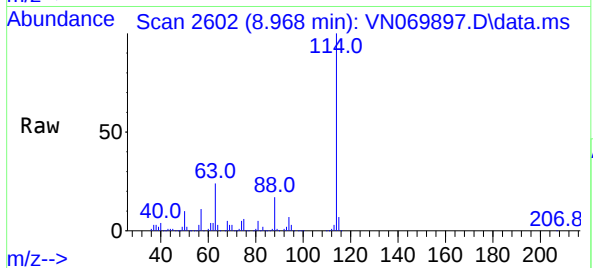




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

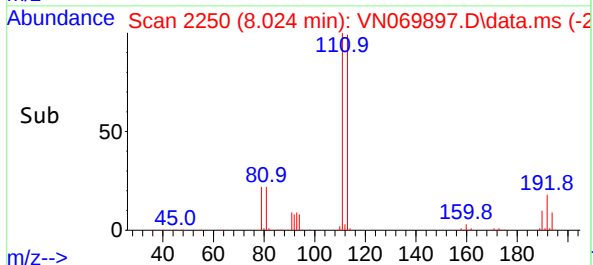
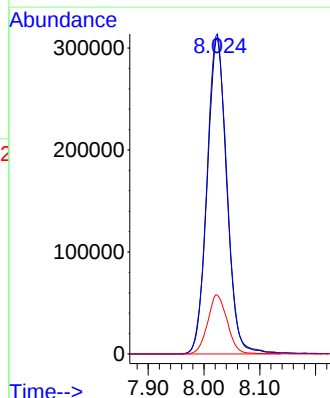
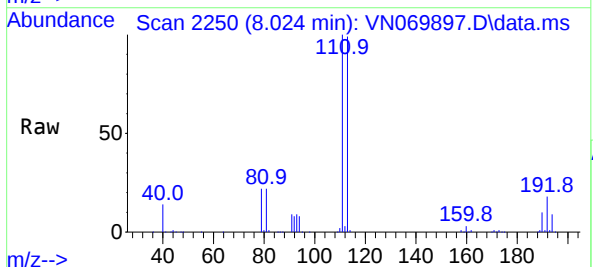
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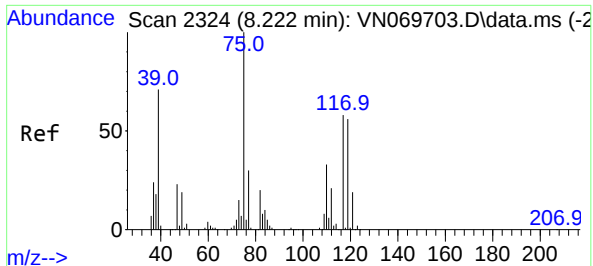
Tgt Ion:114 Resp: 2483538
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.702 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion:113 Resp: 757623
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 18.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.797 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN069897.D

Acq: 9 Dec 2021 7:18

Instrument :

MSVOA_N

ClientSampleId :

TP-3D

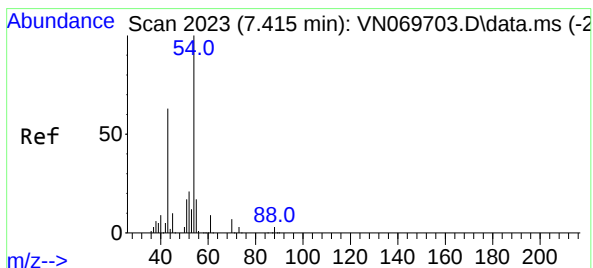
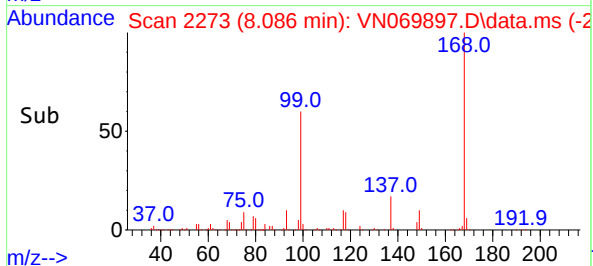
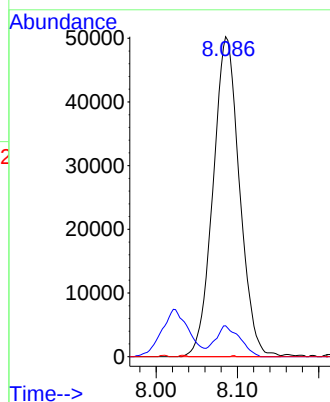
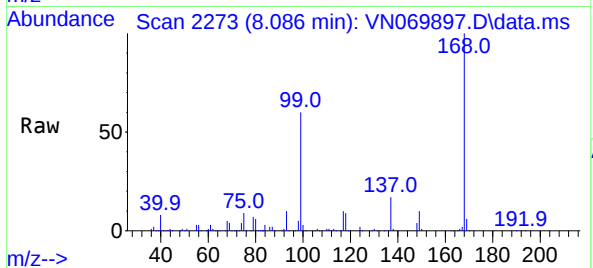
Tgt Ion: 75 Resp: 113414

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.445 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.067 min

Lab File: VN069897.D

Acq: 9 Dec 2021 7:18

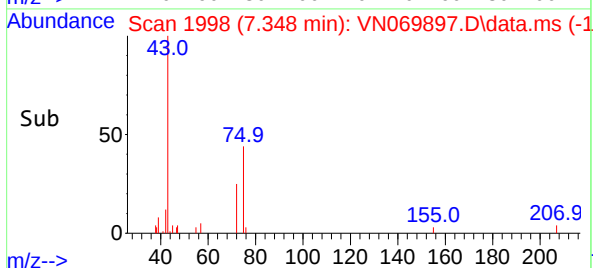
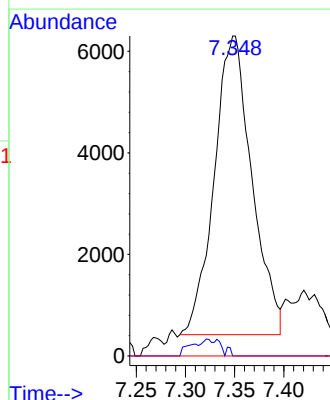
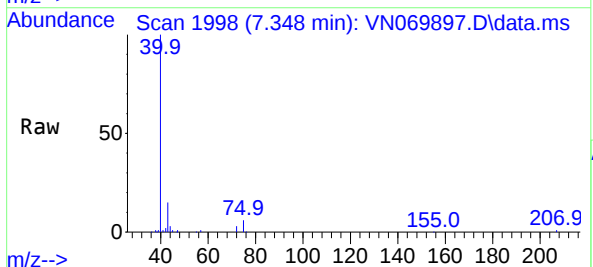
Tgt Ion: 43 Resp: 15675

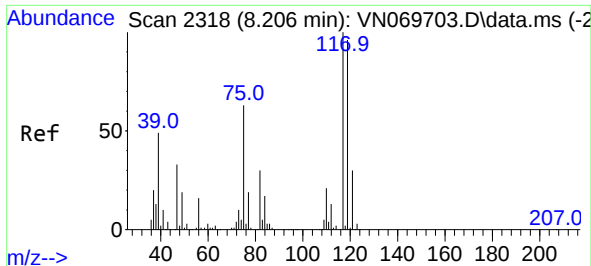
Ion Ratio Lower Upper

43 100

61 0.3 11.5 17.3#

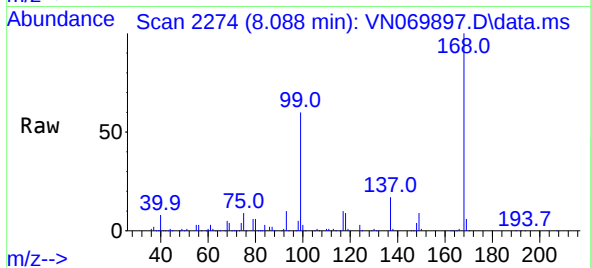
70 0.0 7.9 11.9#



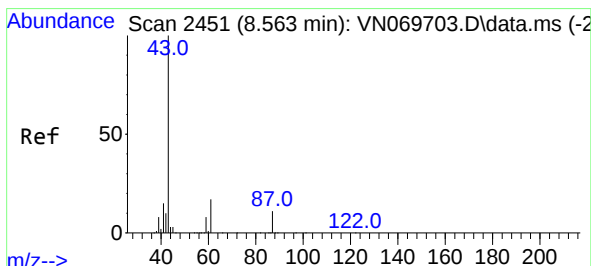
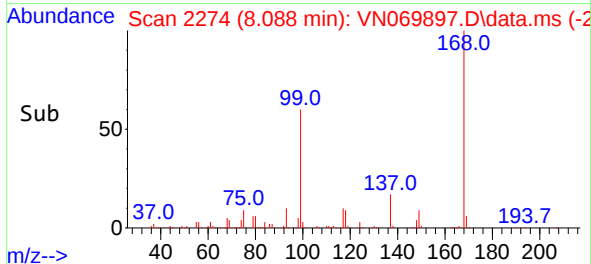
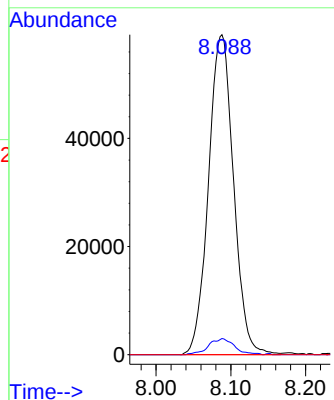


#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Instrument :
MSVOA_N
ClientSampleId :
TP-3D

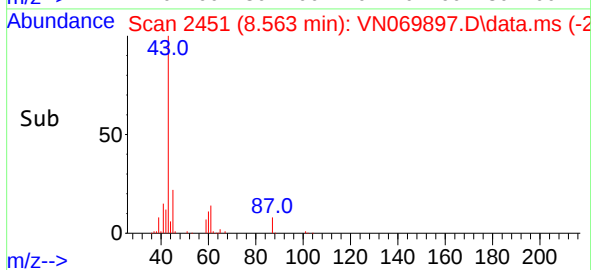
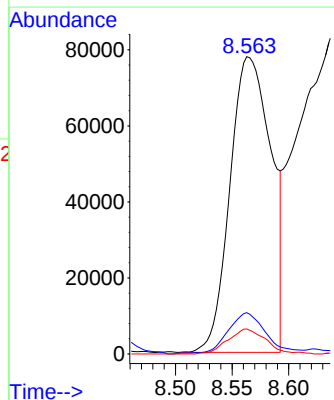
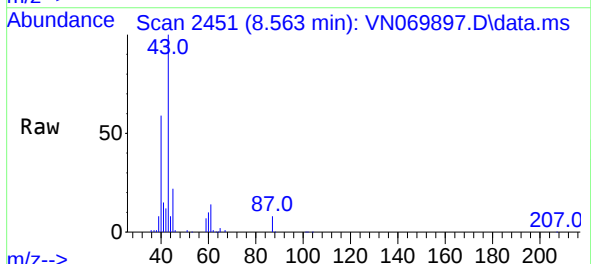


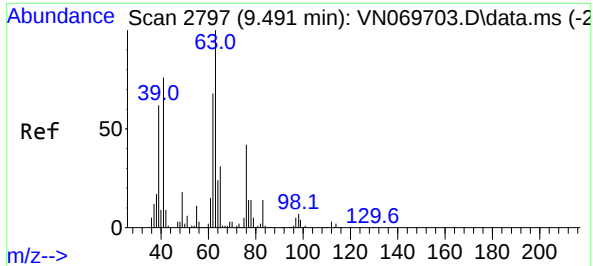
Tgt Ion:117 Resp: 137800
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.782 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 43 Resp: 196944
Ion Ratio Lower Upper
43 100
61 13.0 20.4 30.6#
87 7.8 11.2 16.8#

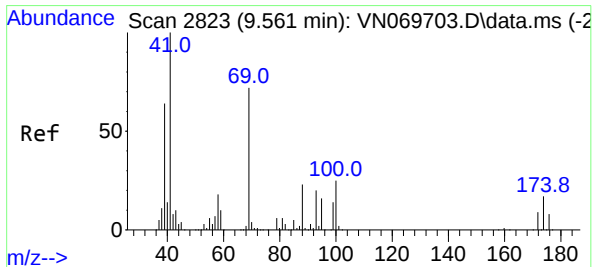
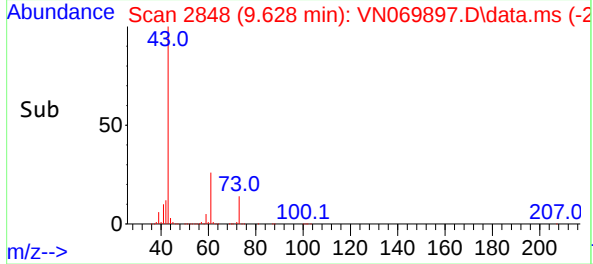
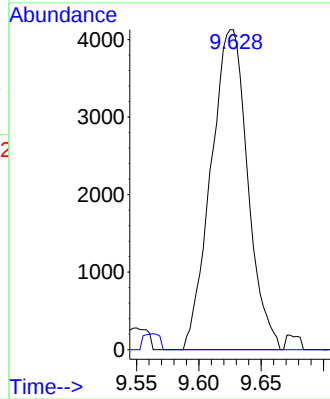
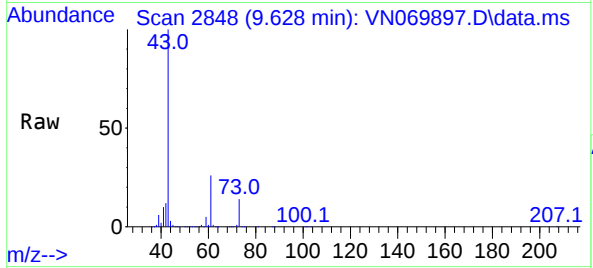




#45
1,2-Dichloropropane
Concen: 0.437 ug/l
RT: 9.628 min Scan# 21
Delta R.T. 0.137 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

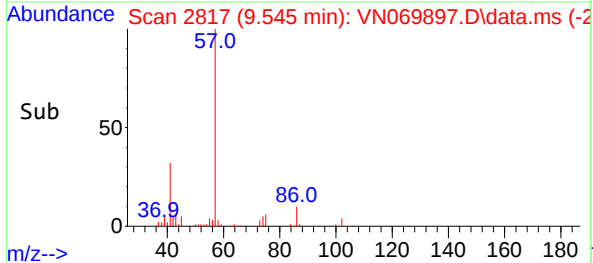
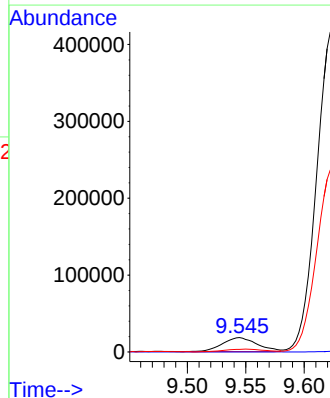
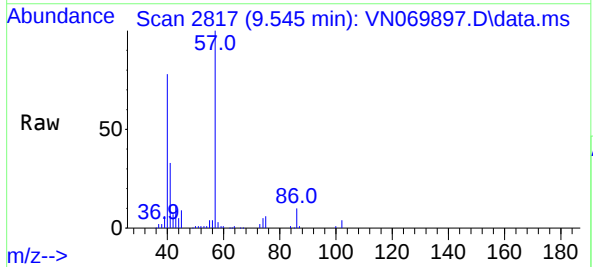
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

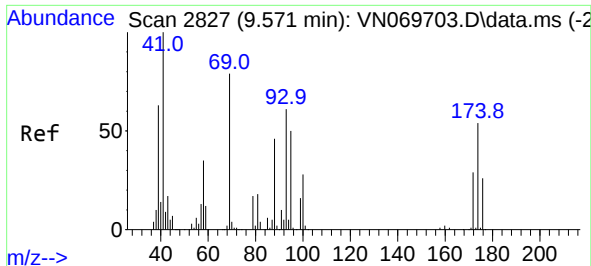
Tgt Ion: 63 Resp: 8480
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 1.565 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 41 Resp: 38044
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#

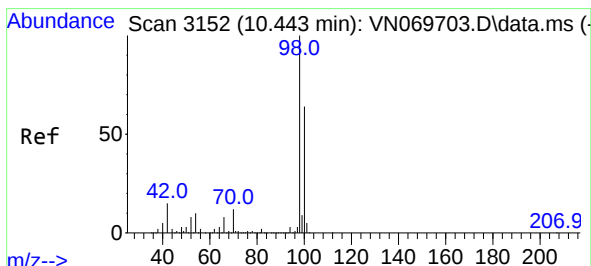
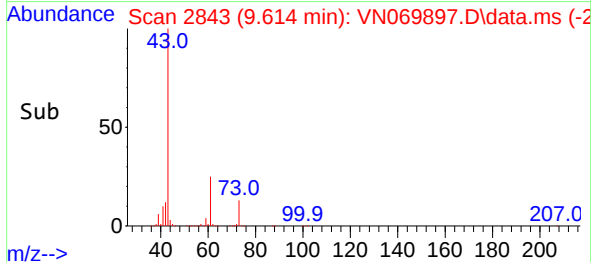
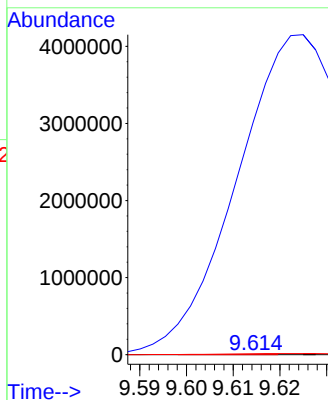
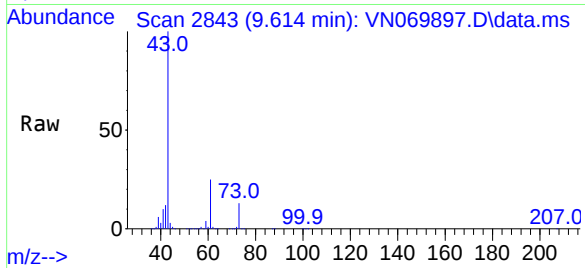




#49
1,4-Dioxane
Concen: 0.993 ug/l
RT: 9.614 min Scan# 2827
Delta R.T. 0.043 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

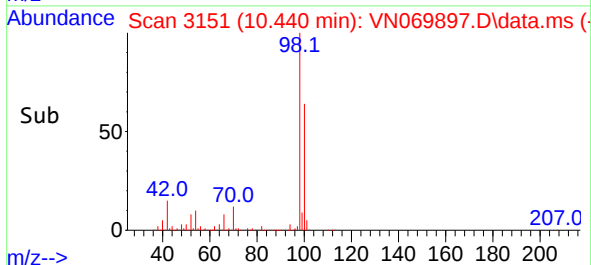
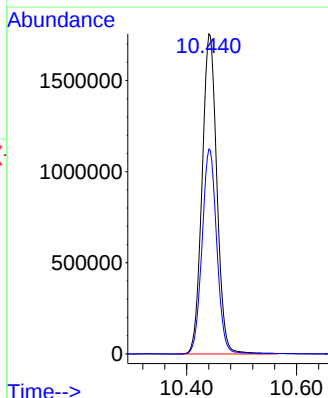
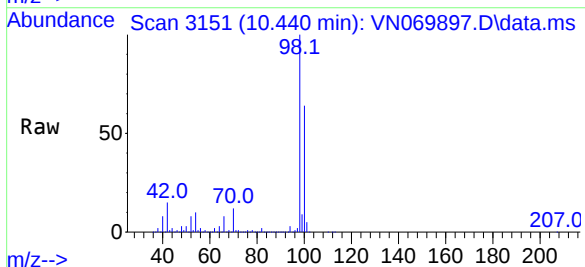
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ClientSampleId :
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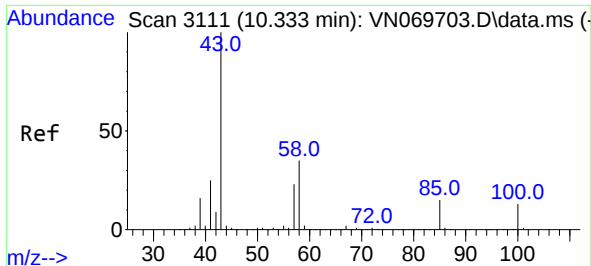
Tgt Ion: 88 Resp: 433
Ion Ratio Lower Upper
88 100
43 1821598.8 23.4 35.2#
58 7141.3 50.6 75.8#



#50
Toluene-d8
Concen: 52.502 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 98 Resp: 3279454
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6

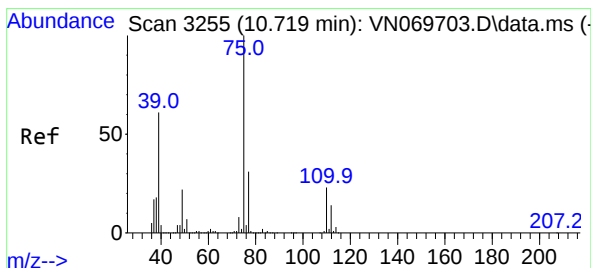
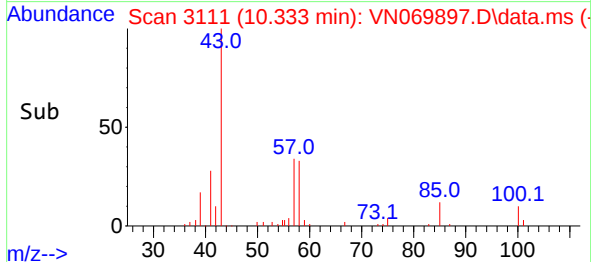
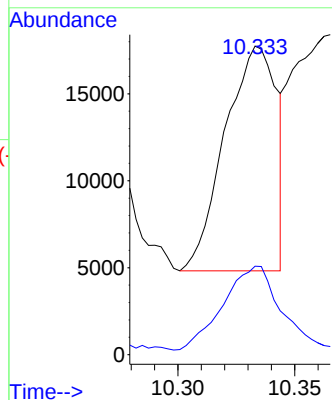
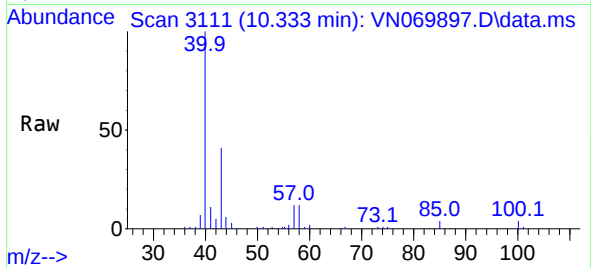




#51
4-Methyl-2-Pentanone
Concen: 0.590 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

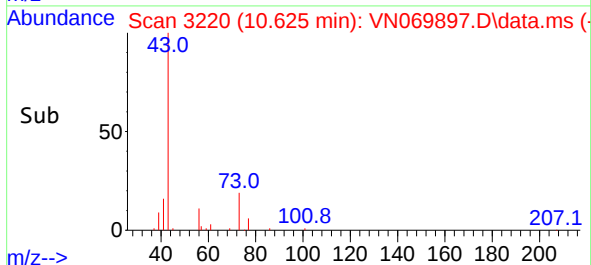
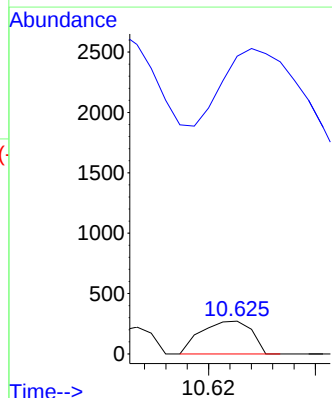
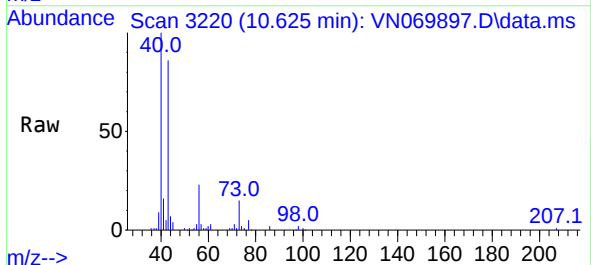
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

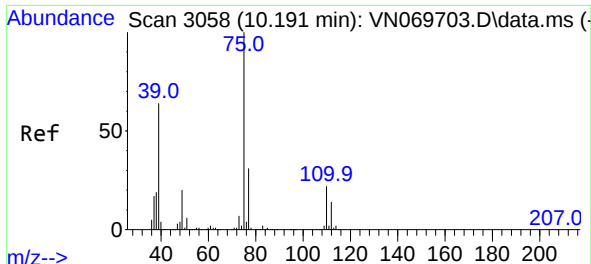
Tgt Ion: 43 Resp: 19928
Ion Ratio Lower Upper
43 100
58 49.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.800 ug/l
RT: 10.625 min Scan# 3220
Delta R.T. -0.094 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 75 Resp: 179
Ion Ratio Lower Upper
75 100
77 210.0 25.6 38.4#

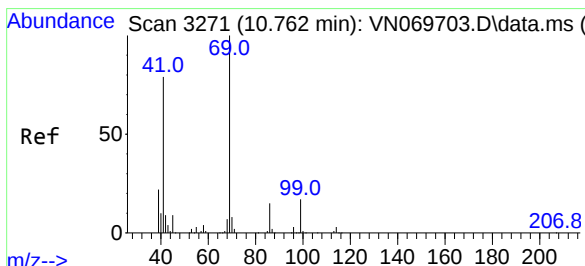
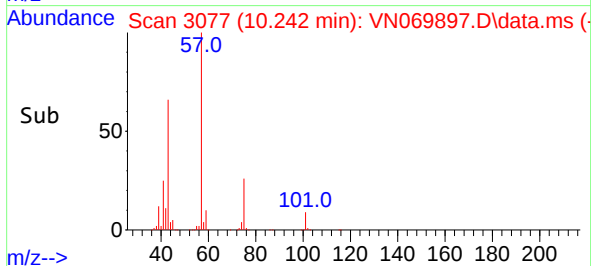
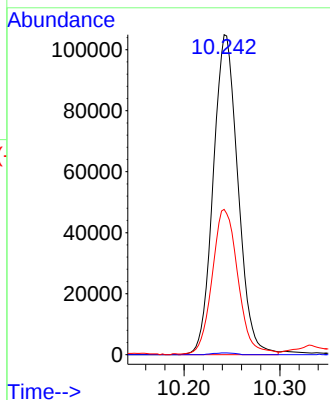
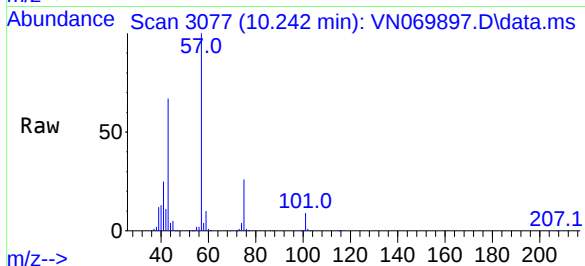




#54
 cis-1,3-Dichloropropene
 Concen: 7.926 ug/l
 RT: 10.242 min Scan# 3058
 Delta R.T. 0.051 min
 Lab File: VN069897.D
 Acq: 9 Dec 2021 7:18

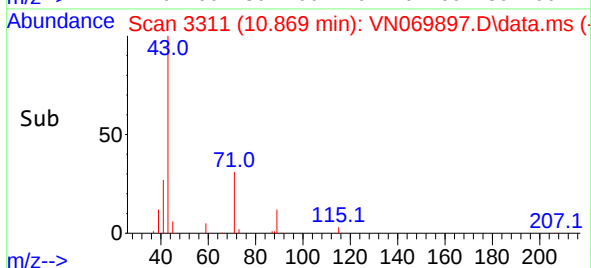
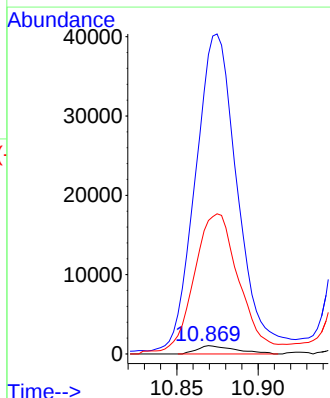
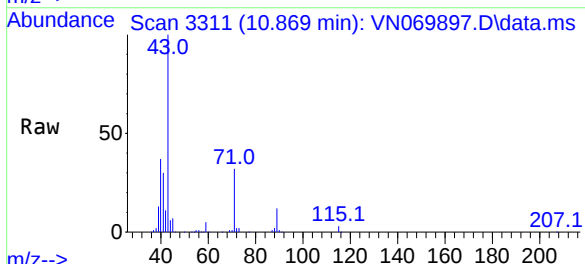
Instrument :
 MSVOA_N
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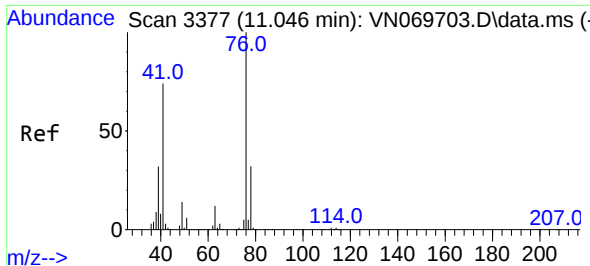
Tgt Ion: 75 Resp: 187821
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 45.2 42.5 63.7



#56
 Ethyl methacrylate
 Concen: 2.328 ug/l
 RT: 10.869 min Scan# 3311
 Delta R.T. 0.107 min
 Lab File: VN069897.D
 Acq: 9 Dec 2021 7:18

Tgt Ion: 69 Resp: 1723
 Ion Ratio Lower Upper
 69 100
 41 4226.9 51.4 77.0#
 39 2008.1 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 3.518 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.043 min

Lab File: VN069897.D

Acq: 9 Dec 2021 7:18

Instrument :

MSVOA_N

ClientSampleId :

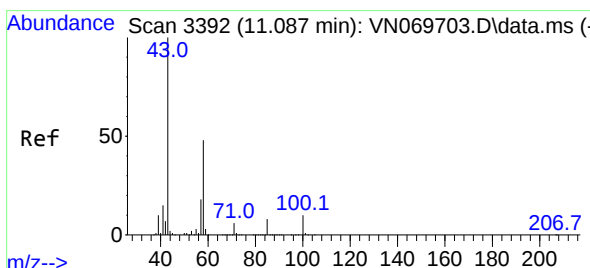
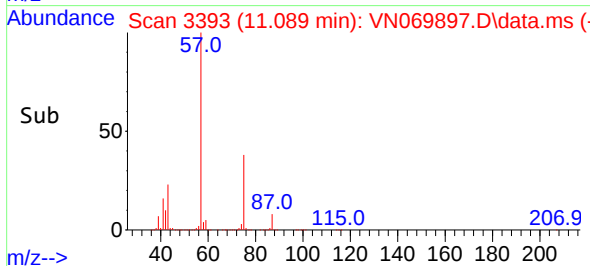
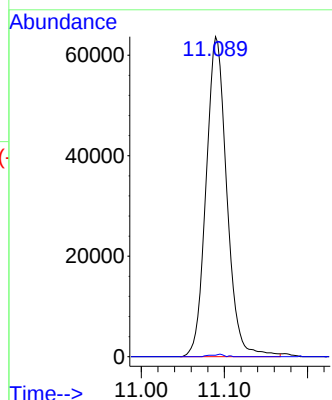
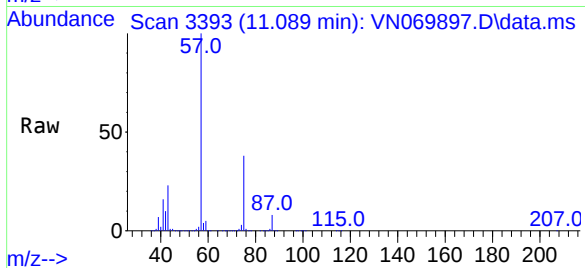
TP-3D

Tgt Ion: 76 Resp: 110261

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 77.319 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.002 min

Lab File: VN069897.D

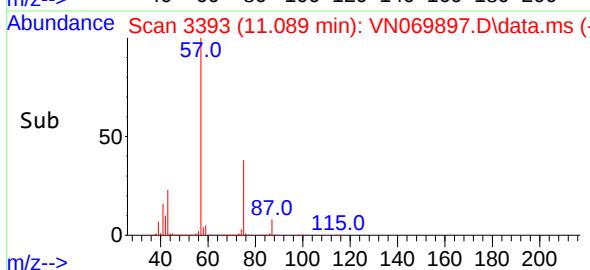
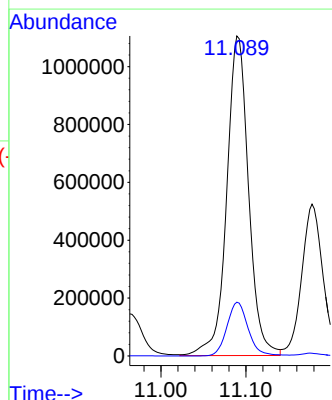
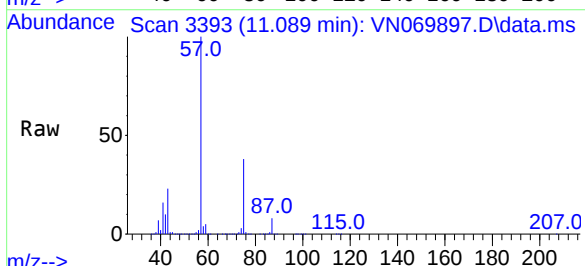
Acq: 9 Dec 2021 7:18

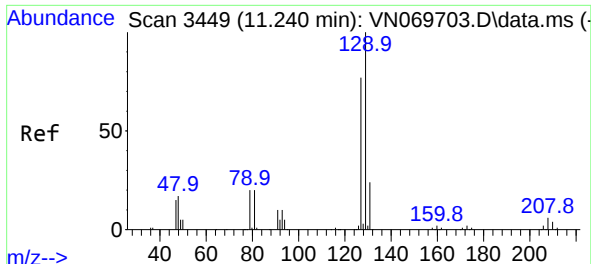
Tgt Ion: 43 Resp: 1975866

Ion Ratio Lower Upper

43 100

58 16.4 26.9 80.7#

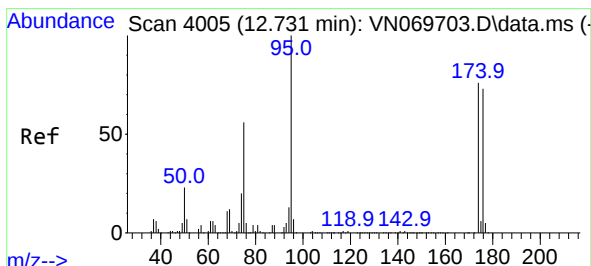
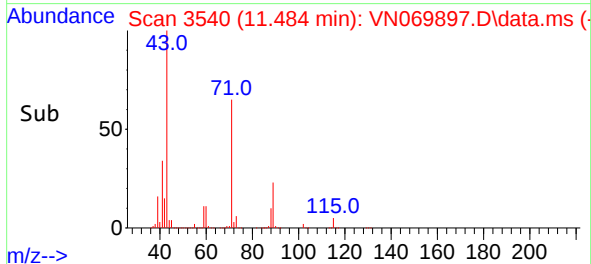
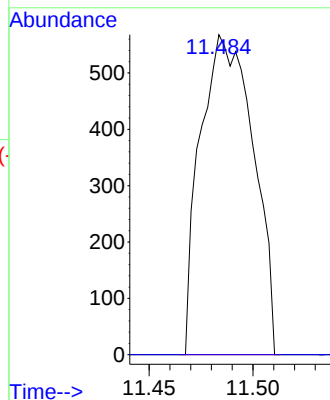
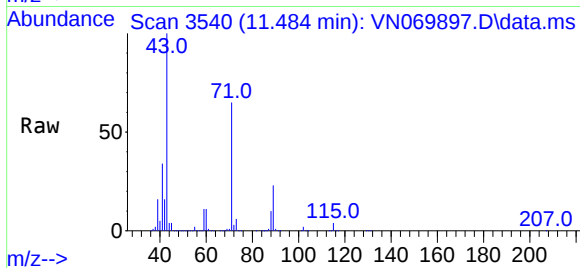




#60
Dibromochloromethane
Concen: 2.426 ug/l
RT: 11.484 min Scan# 311
Delta R.T. 0.244 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

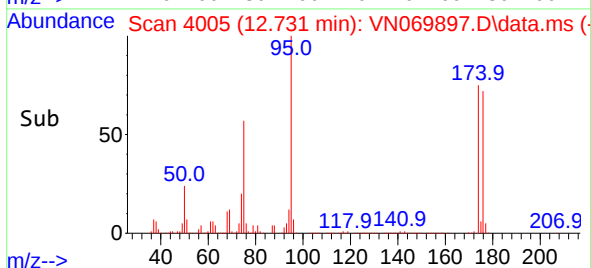
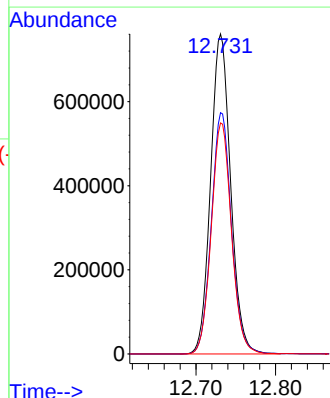
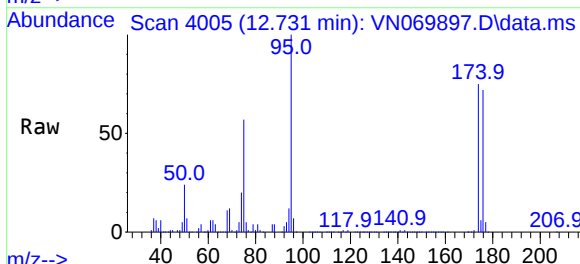
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

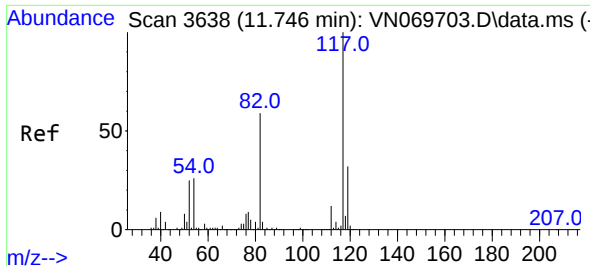
Tgt Ion:129 Resp: 1006
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 58.859 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 95 Resp: 1331947
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 72.9 0.0 181.4

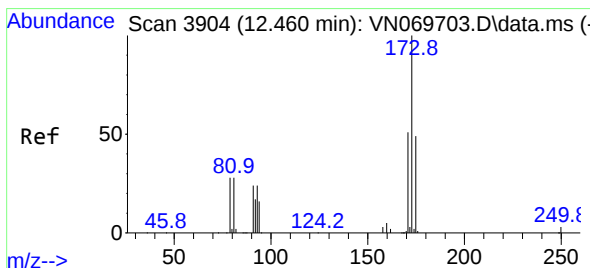
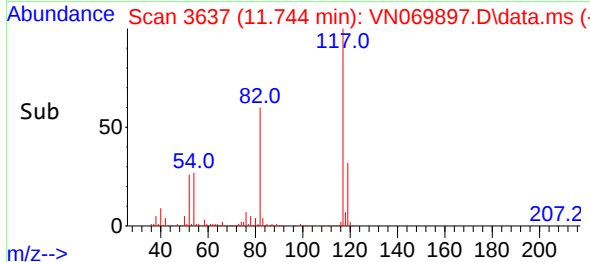
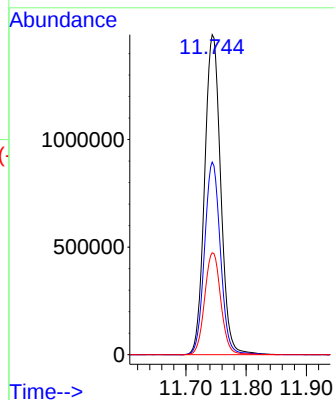
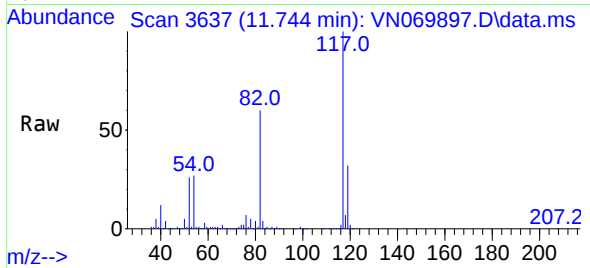




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

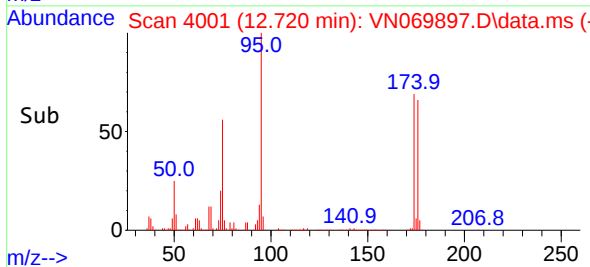
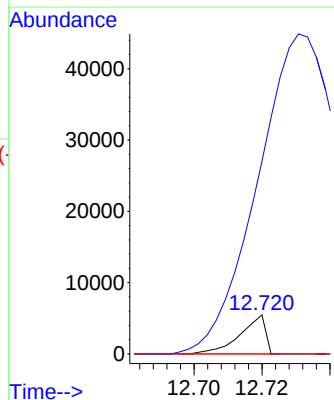
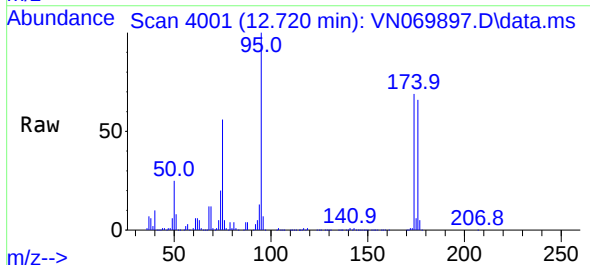
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

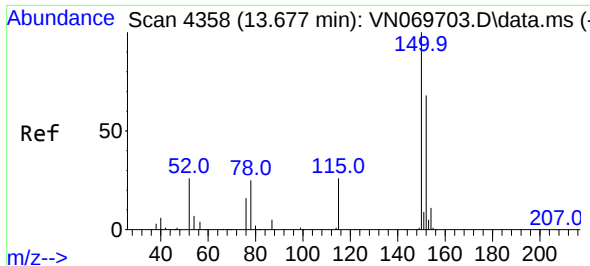
Tgt Ion:117 Resp: 2753012
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 2.889 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion:173 Resp: 2818
Ion Ratio Lower Upper
173 100
175 2643.3 24.2 72.6#
254 0.0 0.0 0.0

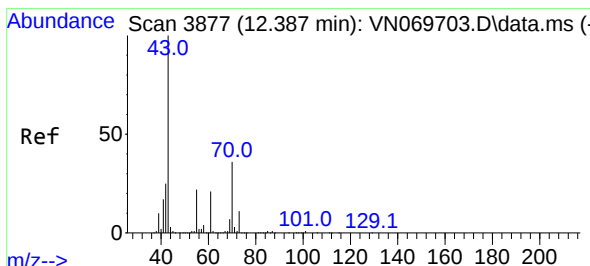
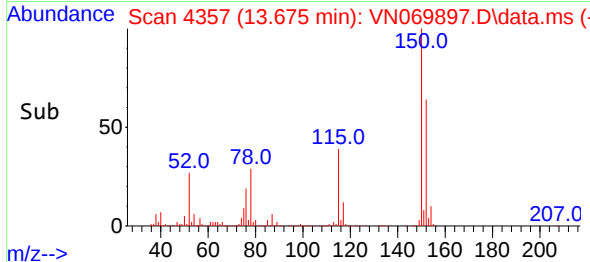
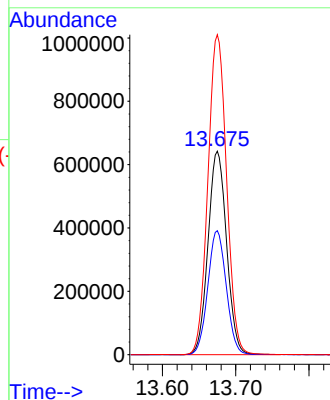
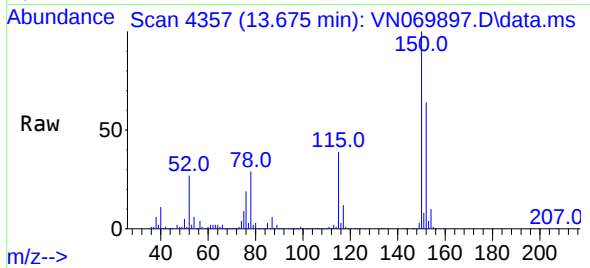




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

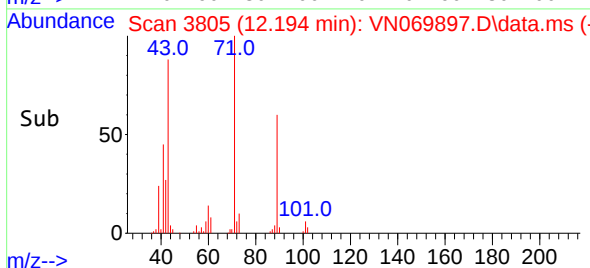
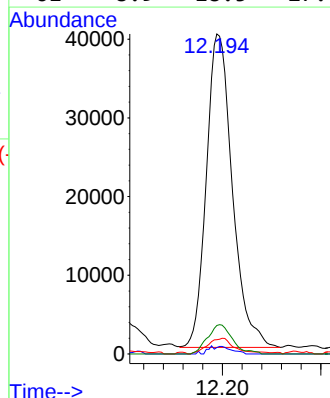
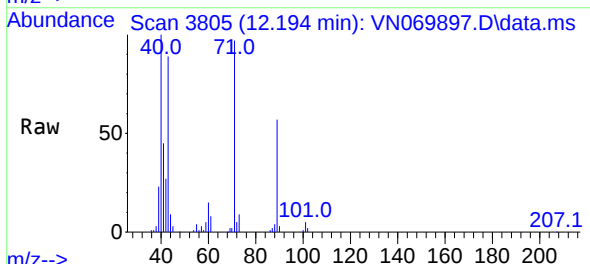
Instrument :
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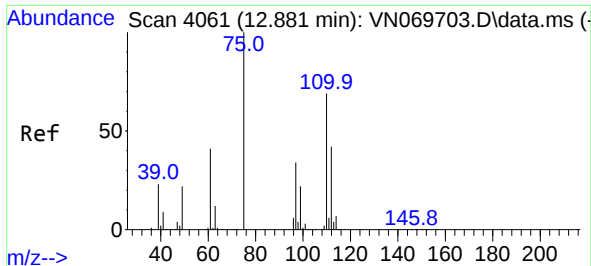
Tgt Ion:152 Resp: 1132193
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 158.2 0.0 344.4



#74
N-ethyl acetate
Concen: 1.643 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.193 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 43 Resp: 73175
Ion Ratio Lower Upper
43 100
70 1.2 33.4 50.0#
55 5.3 19.3 28.9#
61 8.9 18.5 27.7#

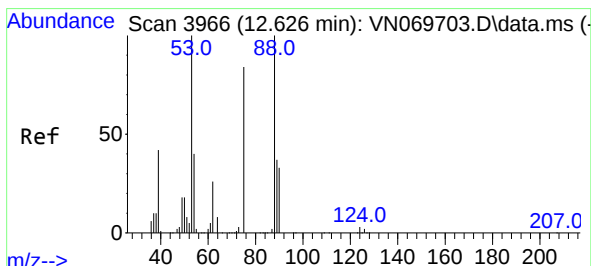
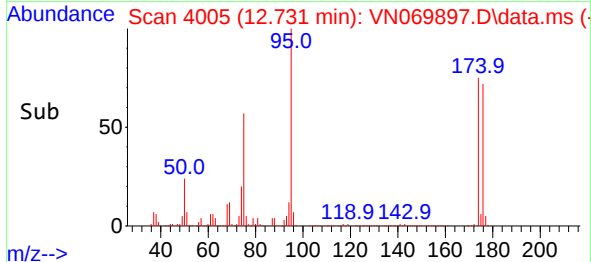
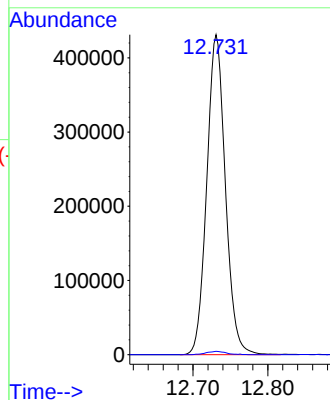
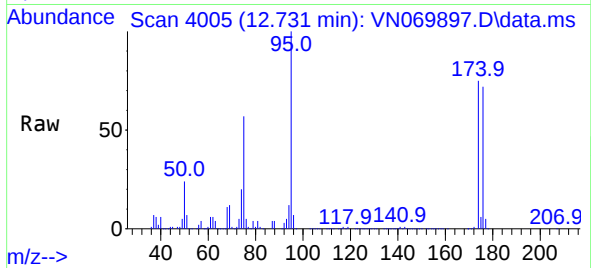




#76
1,2,3-Trichloropropane
Concen: 22.980 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

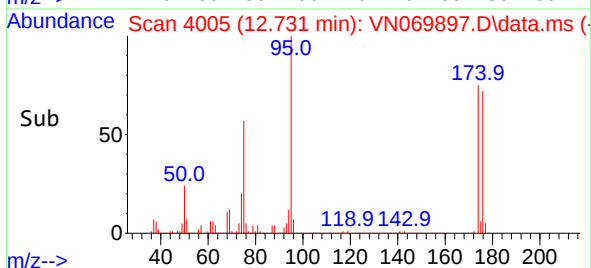
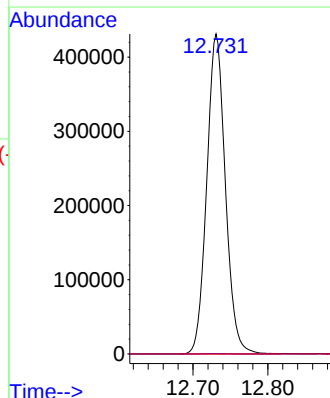
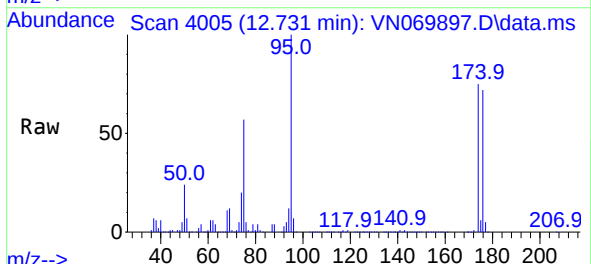
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

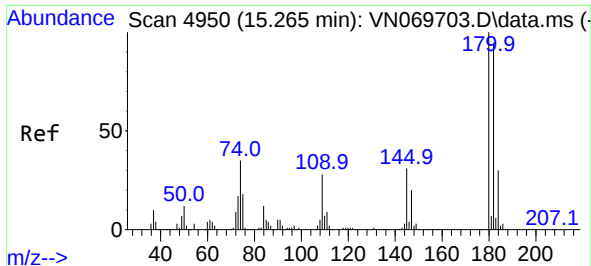
Tgt Ion: 75 Resp: 746138
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.164 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion: 75 Resp: 746138
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

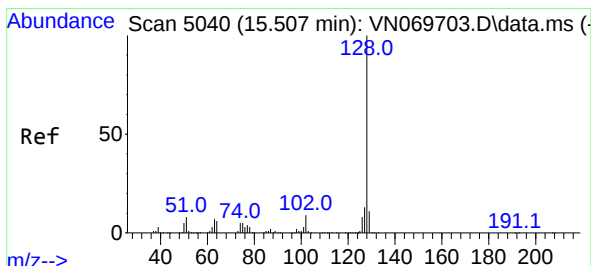
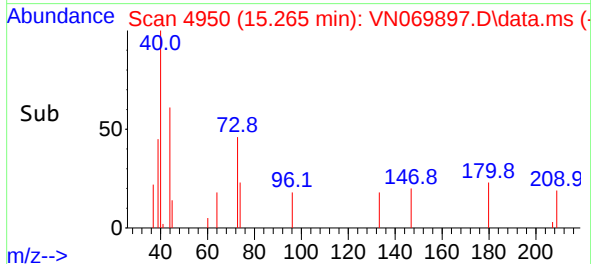
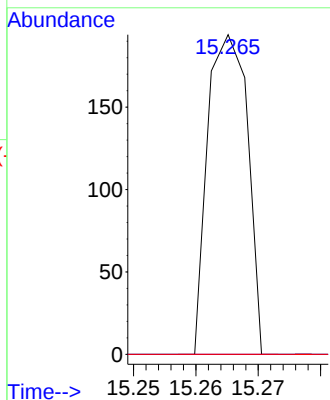
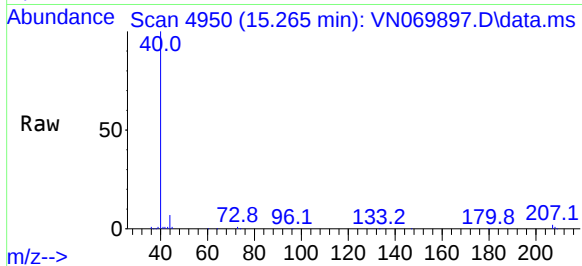




#93
1,2,4-Trichlorobenzene
Concen: 2.882 ug/l
RT: 15.265 min Scan# 49
Delta R.T. 0.000 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

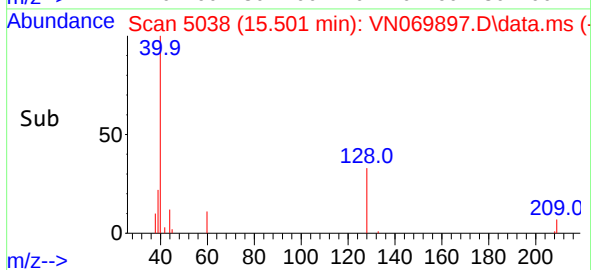
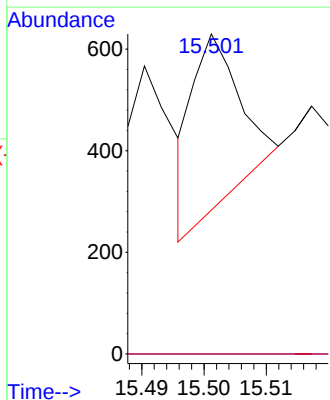
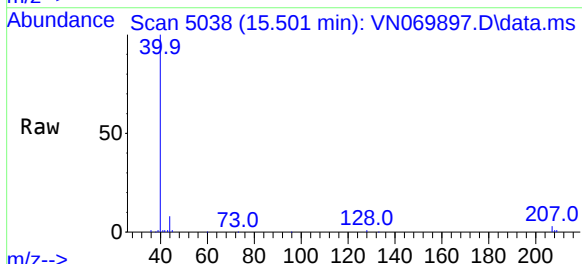
Instrument :
MSVOA_N
ClientSampleId :
TP-3D

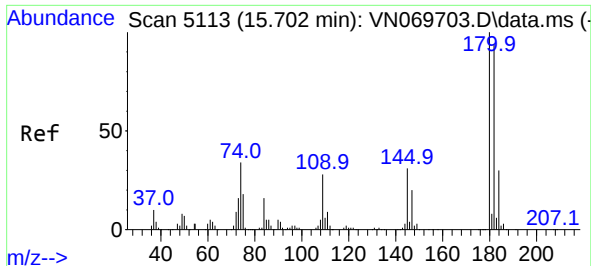
Tgt Ion:180 Resp: 86
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.988 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069897.D
Acq: 9 Dec 2021 7:18

Tgt Ion:128 Resp: 188
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.437 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN069897.D

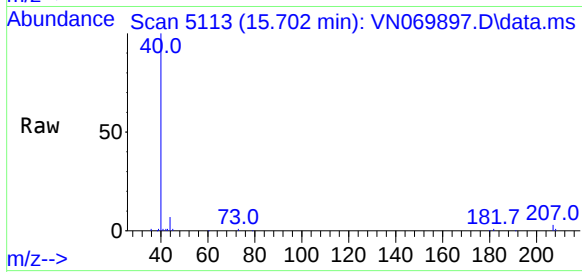
Acq: 9 Dec 2021 7:18

Instrument :

MSVOA_N

ClientSampleId :

TP-3D



Tgt Ion:180 Resp: 25

Ion Ratio Lower Upper

180 100

182 920.0 47.4 142.2#

145 0.0 15.0 45.1#

