

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069849.D
 Acq On : 8 Dec 2021 7:04
 Operator : JC/MD
 Sample : M4953-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A1513

Quant Time: Dec 08 07:32:57 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

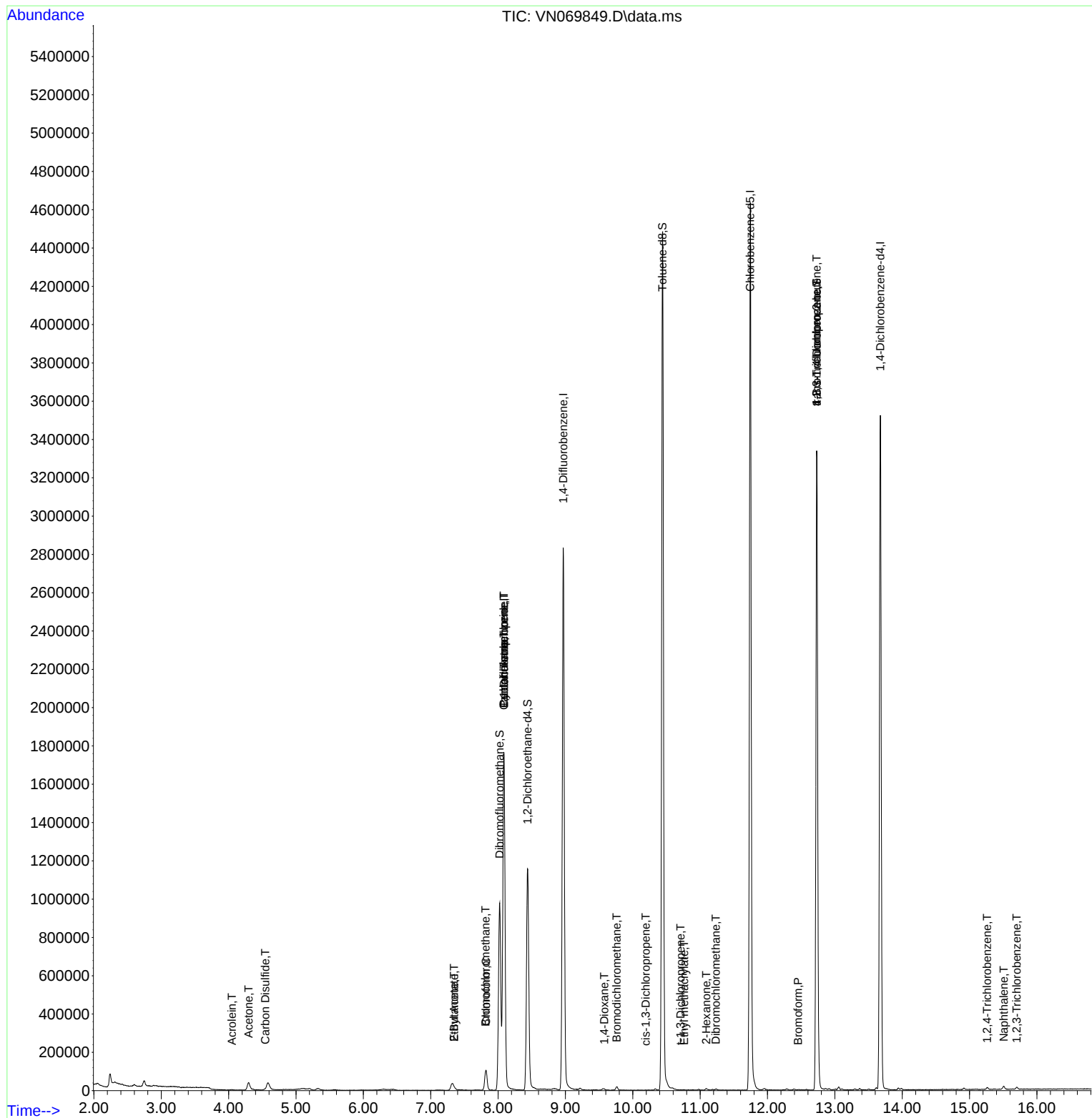
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.085	168	1332109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2379244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2568048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	958763	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1029819	50.07	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.14%			
35) Dibromofluoromethane	8.024	113	710825	47.70	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.40%			
50) Toluene-d8	10.440	98	3111131	51.99	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.98%			
62) 4-Bromofluorobenzene	12.731	95	1181745	54.51	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.02%			
Target Compounds						
					Qvalue	
13) Acrolein	4.049	56	1296	0.39	ug/l #	45
16) Acetone	4.296	43	72891	5.89	ug/l	95
17) Carbon Disulfide	4.543	76	7672	0.23	ug/l	98
25) 2-Butanone	7.345	43	13370	0.80	ug/l #	83
28) Bromochloromethane	7.815	49	9684	0.64	ug/l #	9
30) Chloroform	7.820	83	103494	3.54	ug/l	95
31) Cyclohexane	8.085	56	35330	1.23	ug/l #	41
36) 1,1-Dichloropropene	8.085	75	112514	4.97	ug/l #	50
37) Ethyl Acetate	7.345	43	13370	0.40	ug/l #	85
38) Carbon Tetrachloride	8.088	117	137049	6.17	ug/l #	16
47) Bromodichloromethane	9.759	83	12154	0.53	ug/l #	95
49) 1,4-Dioxane	9.577	88	2893	6.93	ug/l #	70
53) t-1,3-Dichloropropene	10.708	75	440	2.81	ug/l #	44
54) cis-1,3-Dichloropropene	10.191	75	320	2.01	ug/l #	34
56) Ethyl methacrylate	10.759	69	310	2.29	ug/l #	1
59) 2-Hexanone	11.092	43	6663	0.27	ug/l	89
60) Dibromochloromethane	11.234	129	3239	2.55	ug/l	95
71) Bromoform	12.454	173	52	2.73	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	662953	24.11	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	662953	76.57	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	3573	3.09	ug/l	96
95) Naphthalene	15.507	128	14658	4.27	ug/l	97
96) 1,2,3-Trichlorobenzene	15.700	180	4090	2.69	ug/l	95

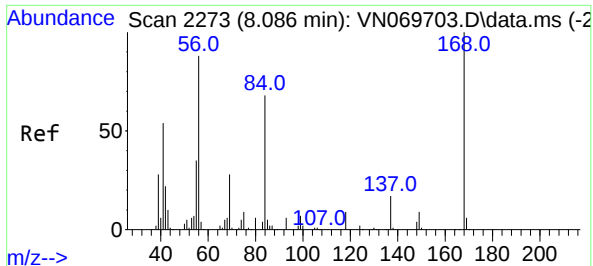
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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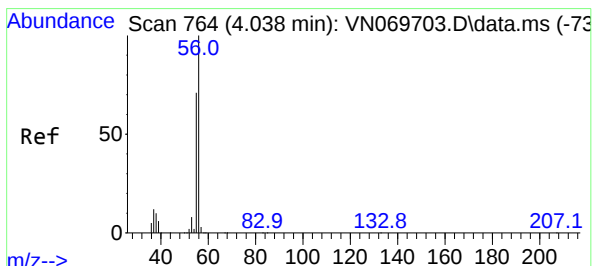
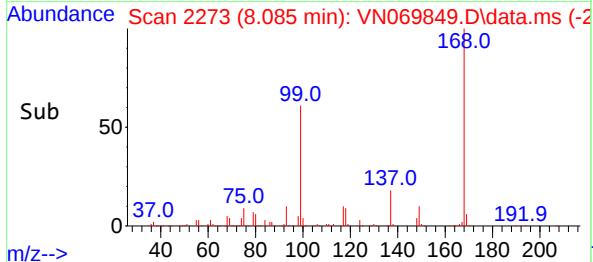
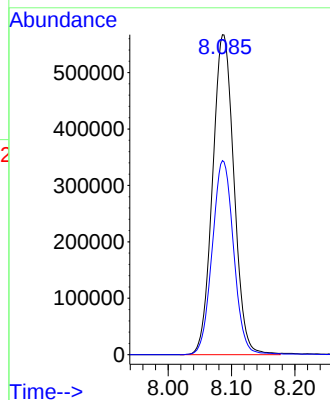
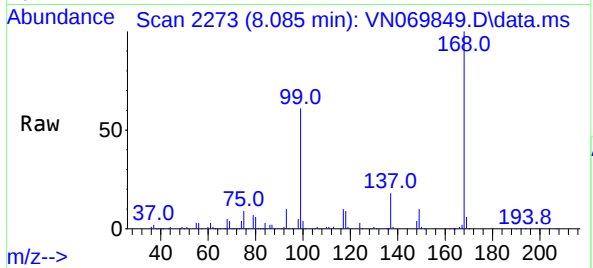




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

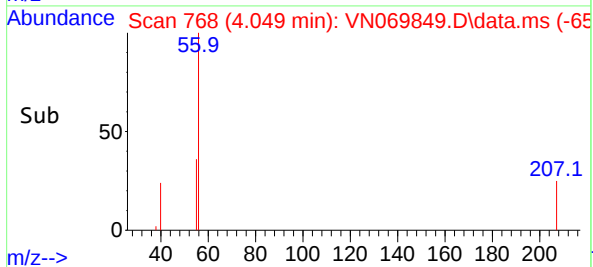
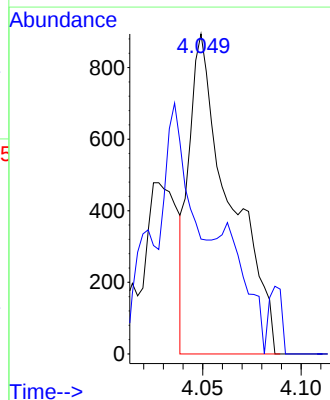
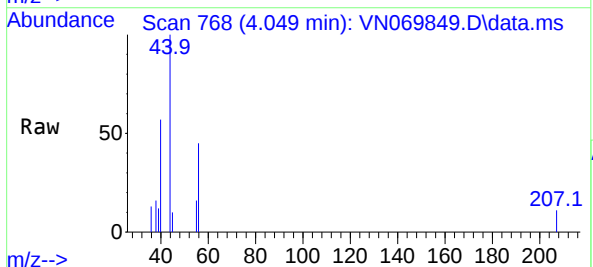
Instrument :
MSVOA_N
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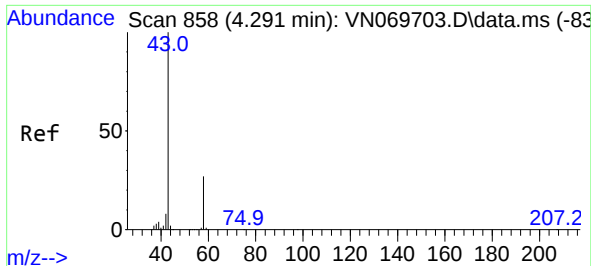
Tgt Ion:168 Resp: 1332109
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#13
Acrolein
Concen: 0.39 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 56 Resp: 1296
Ion Ratio Lower Upper
56 100
55 25.2 56.6 85.0#

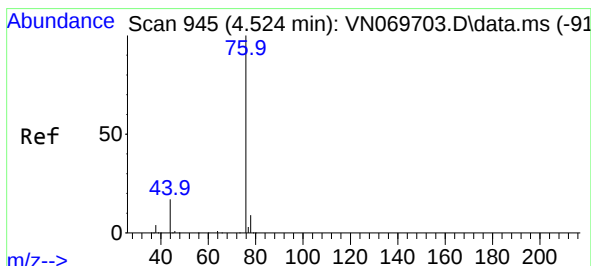
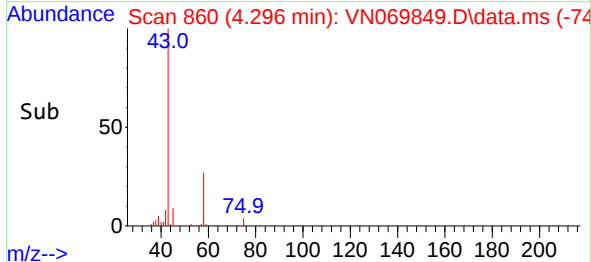
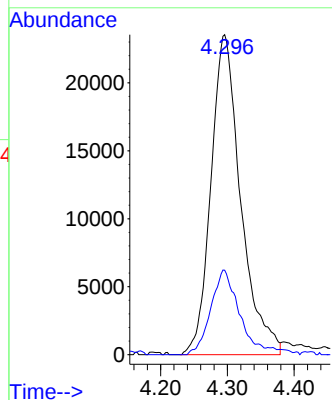
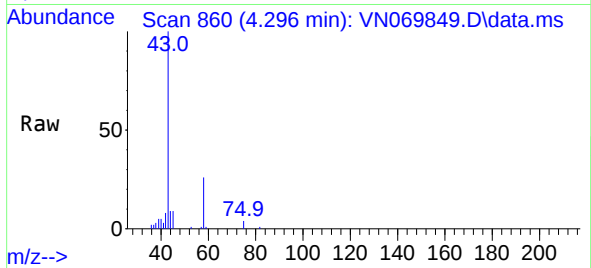




#16
Acetone
Concen: 5.89 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

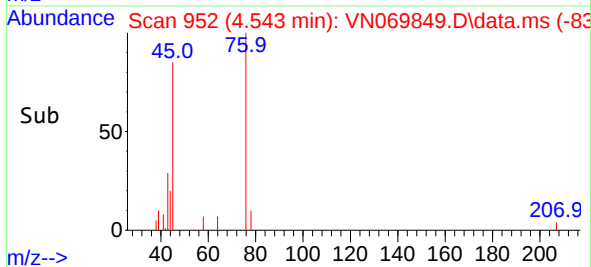
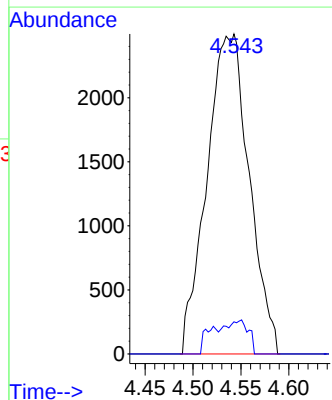
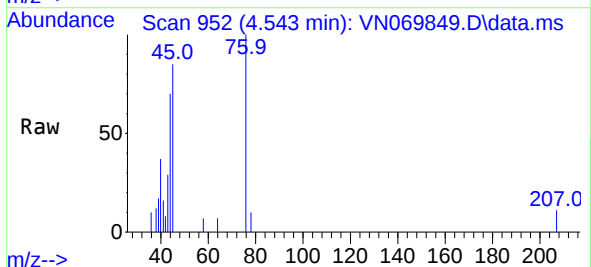
Instrument :
MSVOA_N
ClientSampleId :
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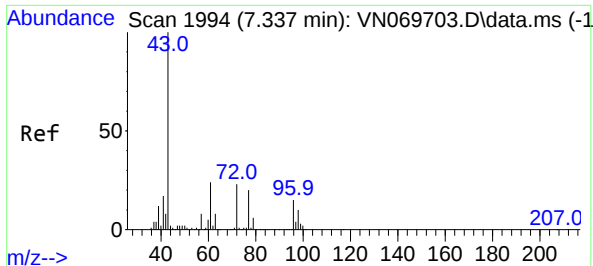
Tgt Ion: 43 Resp: 72891
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7



#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.019 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 76 Resp: 7672
Ion Ratio Lower Upper
76 100
78 10.0 7.5 11.3

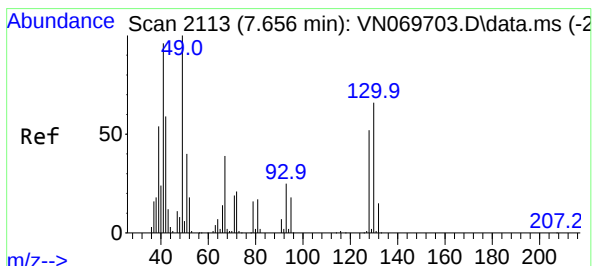
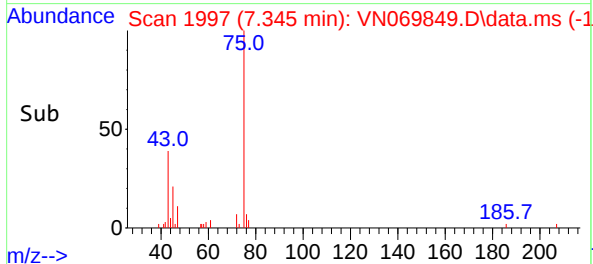
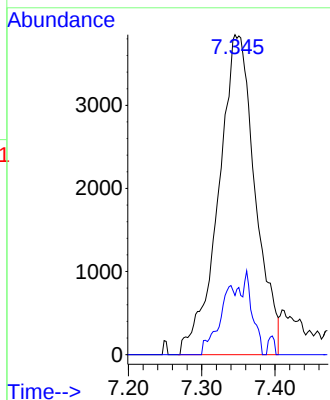
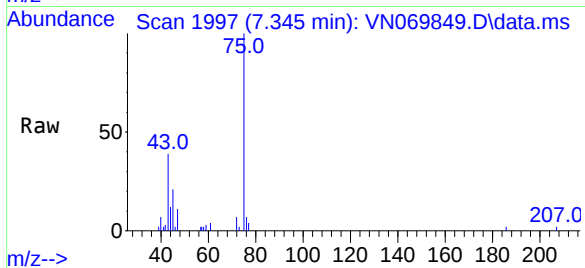




#25
2-Butanone
Concen: 0.80 ug/l
RT: 7.345 min Scan# 1994
Delta R.T. 0.008 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

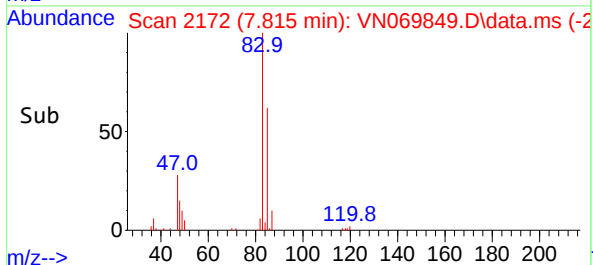
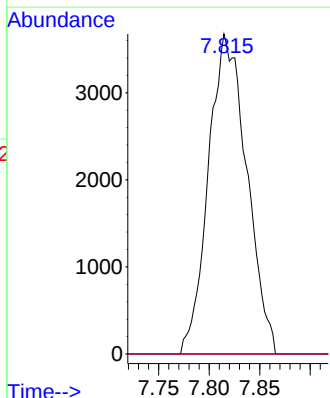
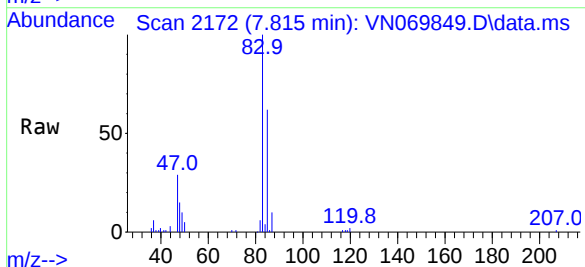
Instrument :
MSVOA_N
ClientSampleId :
A1513

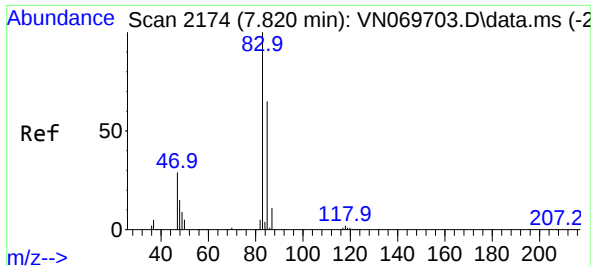
Tgt Ion: 43 Resp: 13370
Ion Ratio Lower Upper
43 100
72 18.5 21.7 32.5#



#28
Bromochloromethane
Concen: 0.64 ug/l
RT: 7.815 min Scan# 2172
Delta R.T. 0.158 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 49 Resp: 9684
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 67.8 101.8#

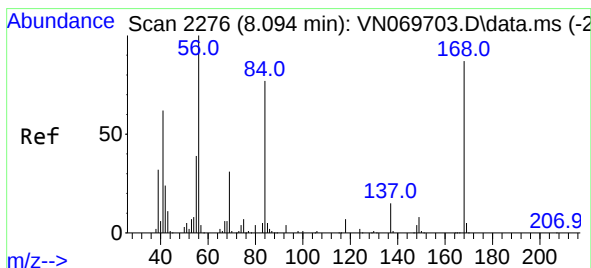
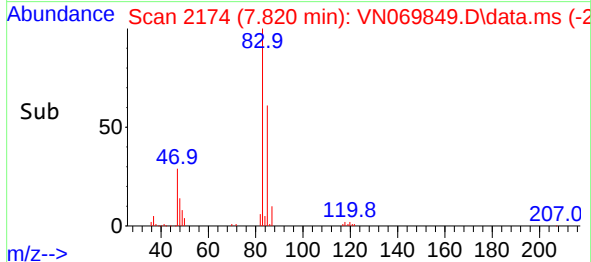
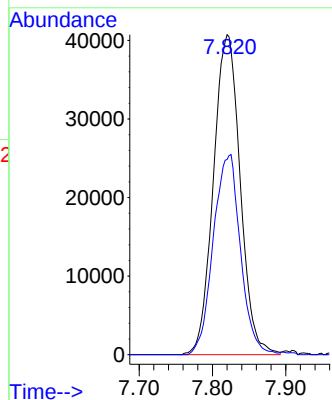
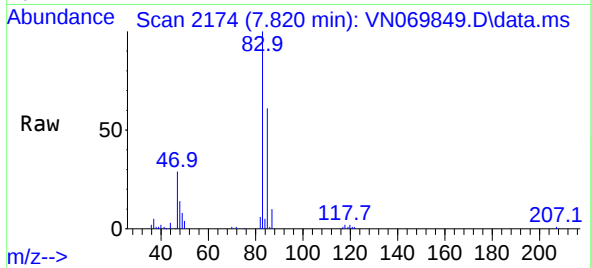




#30
Chloroform
Concen: 3.54 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. -0.000 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

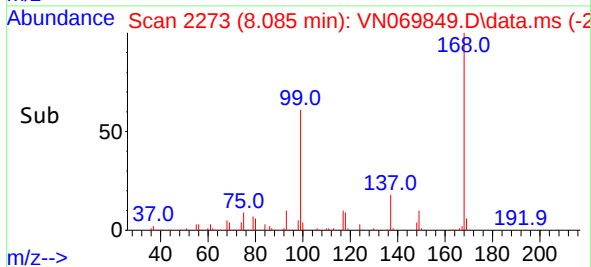
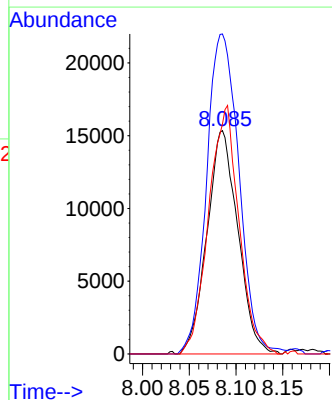
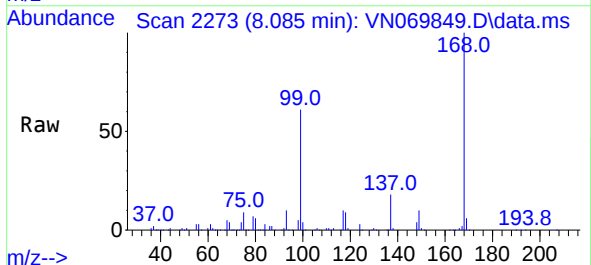
Instrument :
MSVOA_N
ClientSampleId :
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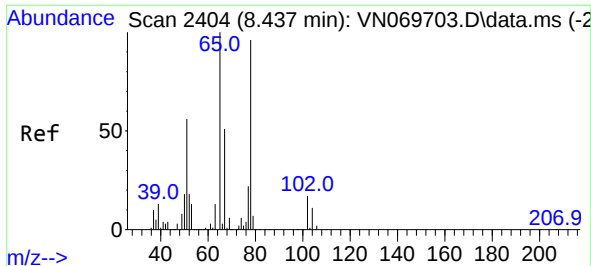
Tgt Ion: 83 Resp: 103494
Ion Ratio Lower Upper
83 100
85 61.0 51.9 77.9



#31
Cyclohexane
Concen: 1.23 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 56 Resp: 35330
Ion Ratio Lower Upper
56 100
69 142.0 27.1 40.7#
84 102.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 50.07 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069849.D

Acq: 8 Dec 2021 7:04

Instrument :

MSVOA_N

ClientSampleId :

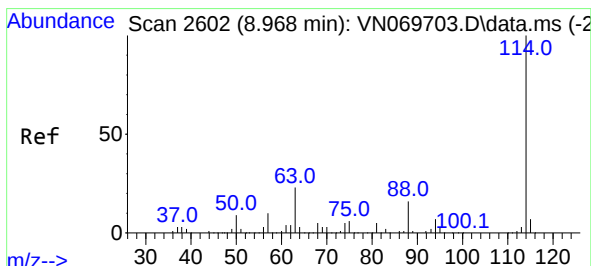
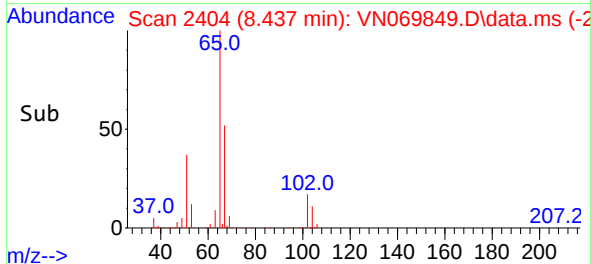
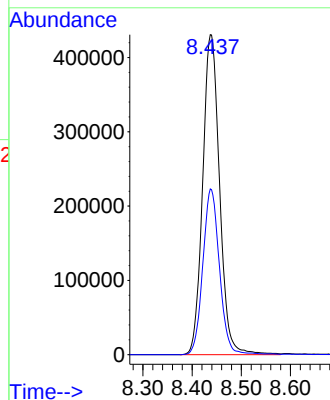
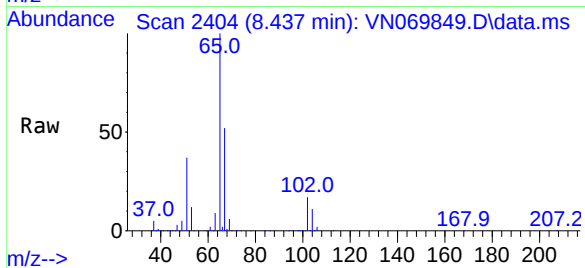
A1513

Tgt Ion: 65 Resp: 1029819

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069849.D

Acq: 8 Dec 2021 7:04

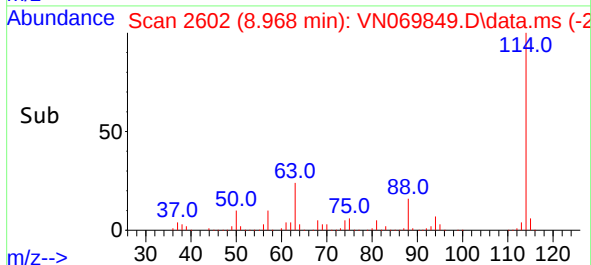
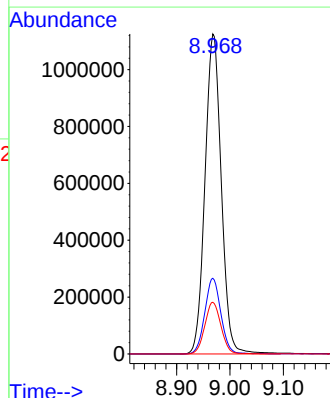
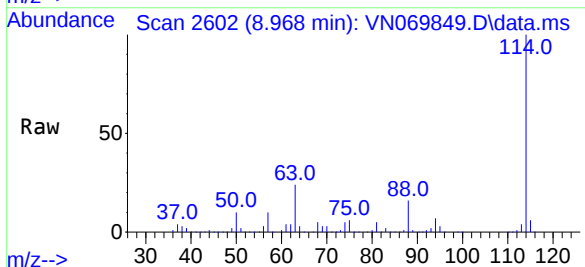
Tgt Ion: 114 Resp: 2379244

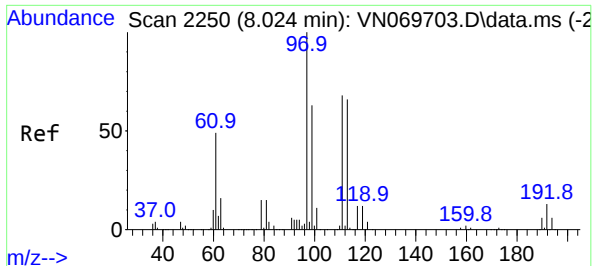
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.2 0.0 27.4

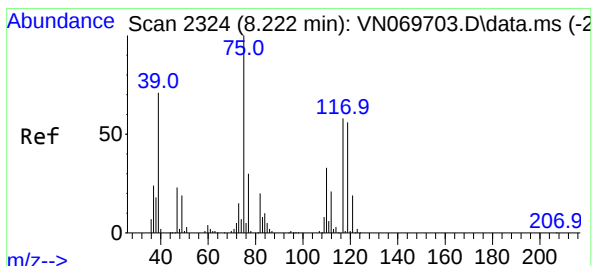
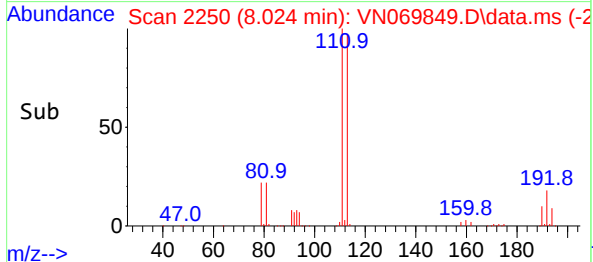
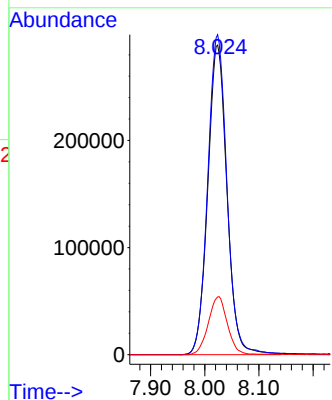
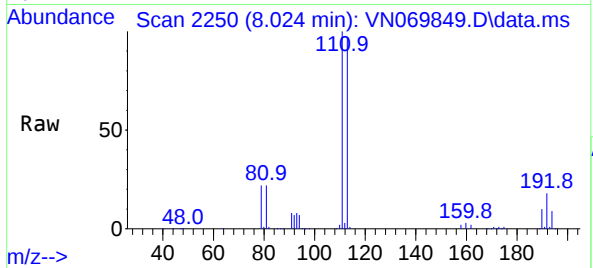




#35
Dibromofluoromethane
Concen: 47.70 ug/l
RT: 8.024 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

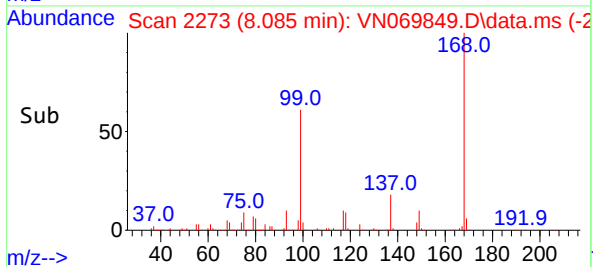
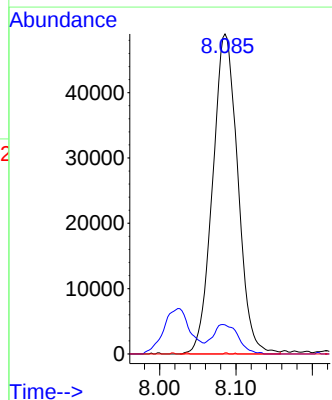
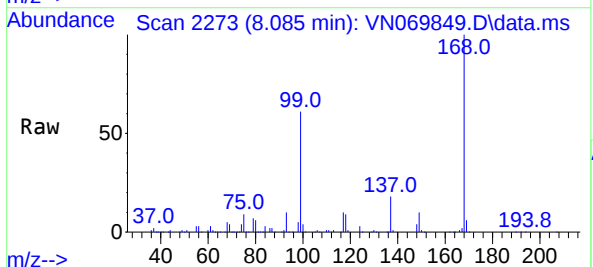
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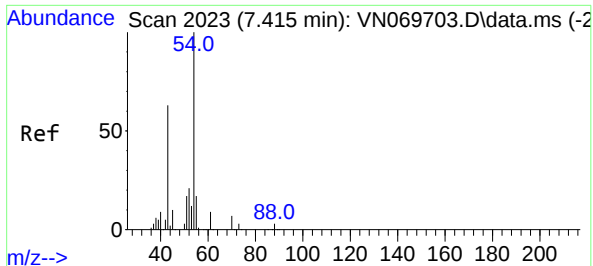
Tgt Ion:113 Resp: 710825
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 75 Resp: 112514
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 24.4 36.6#

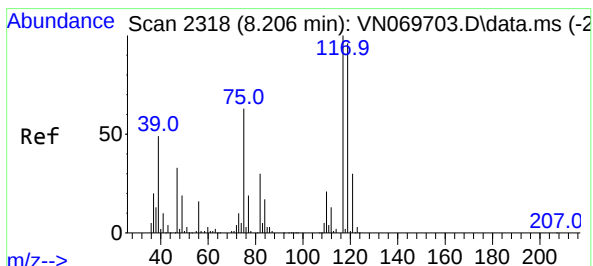
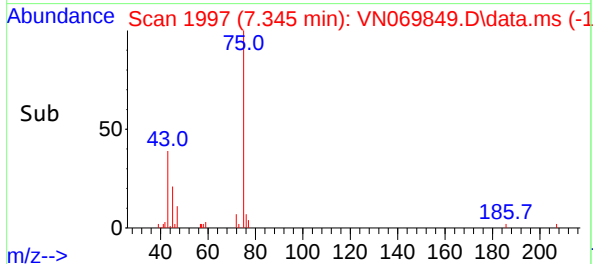
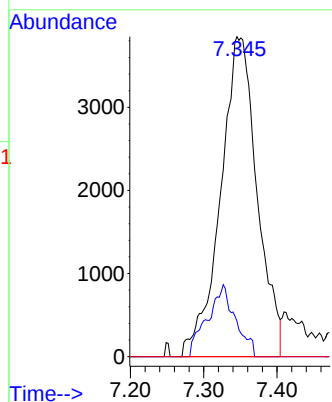
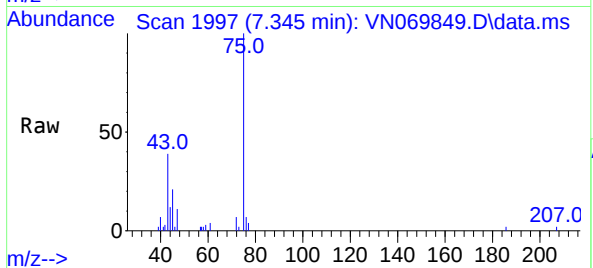




#37
Ethyl Acetate
Concen: 0.40 ug/l
RT: 7.345 min Scan# 11
Delta R.T. -0.070 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

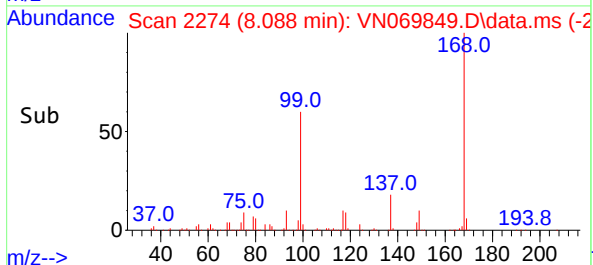
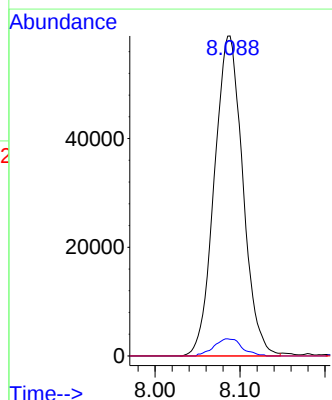
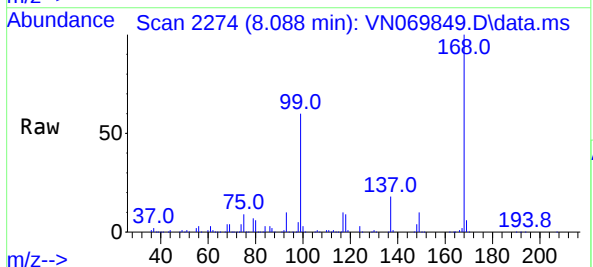
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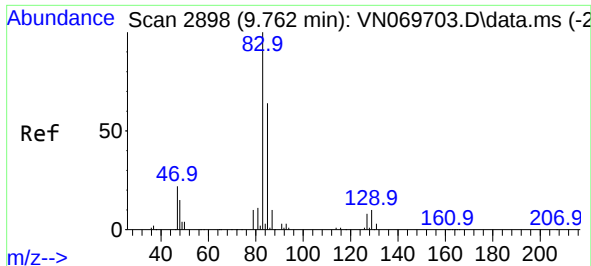
Tgt Ion: 43 Resp: 13370
Ion Ratio Lower Upper
43 100
61 17.2 11.5 17.3
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.17 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 117 Resp: 137049
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#

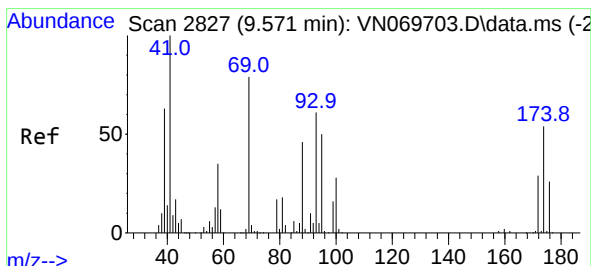
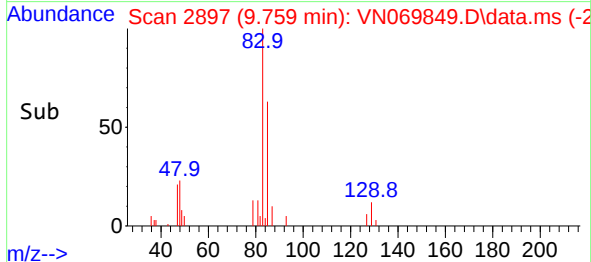
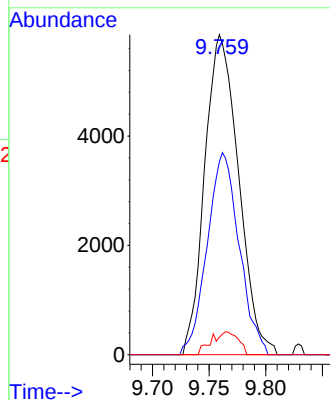
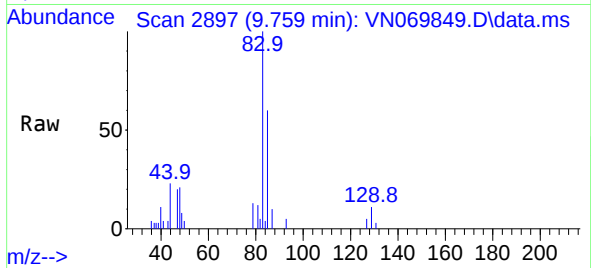




#47
Bromodichloromethane
Concen: 0.53 ug/l
RT: 9.759 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

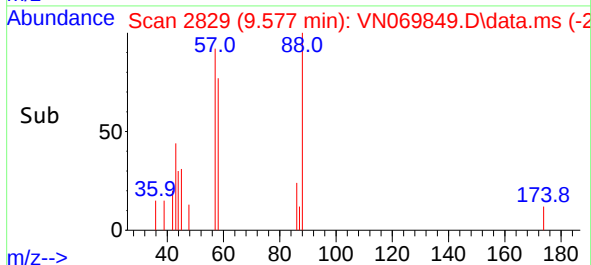
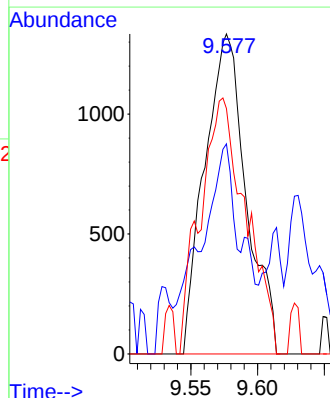
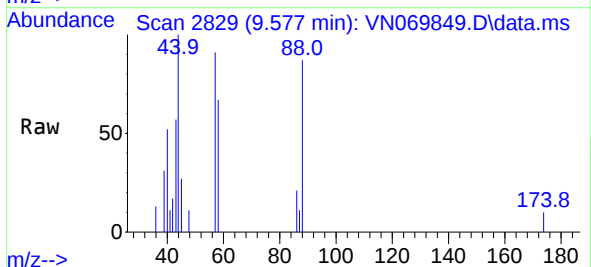
Instrument :
MSVOA_N
ClientSampleId :
A1513

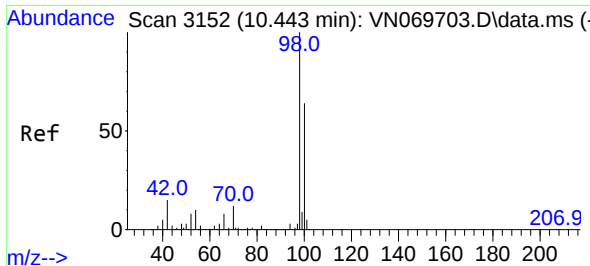
Tgt Ion: 83 Resp: 12154
Ion Ratio Lower Upper
83 100
85 60.3 50.9 76.3
127 5.5 7.1 10.7#



#49
1,4-Dioxane
Concen: 6.93 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.005 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 88 Resp: 2893
Ion Ratio Lower Upper
88 100
43 14.9 23.4 35.2#
58 87.6 50.6 75.8#

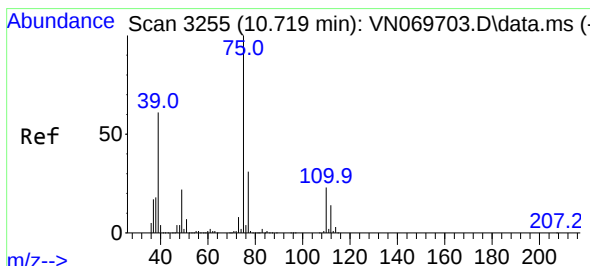
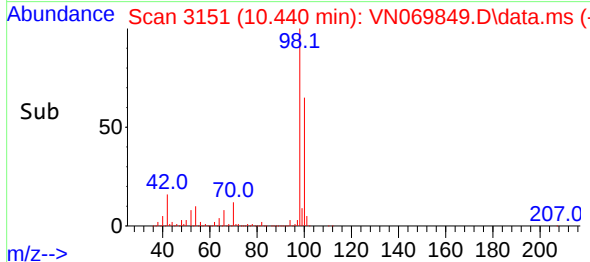
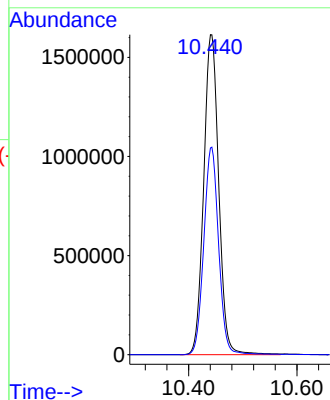
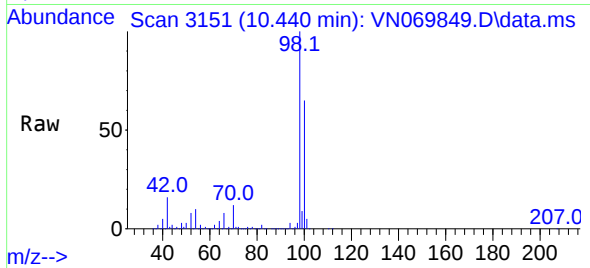




#50
Toluene-d8
Concen: 51.99 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

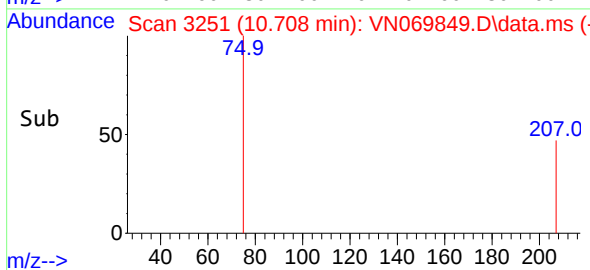
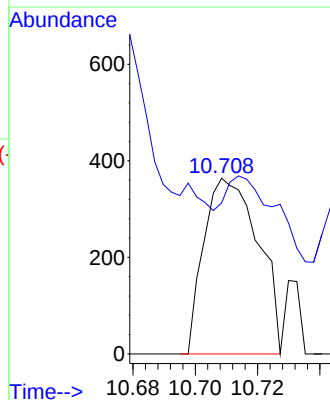
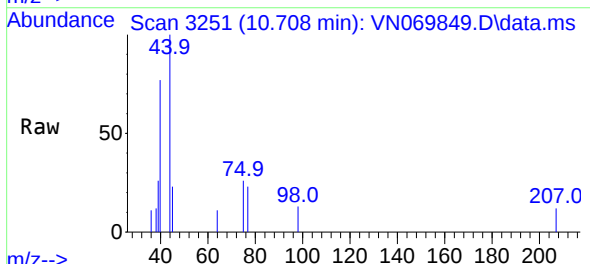
Instrument :
MSVOA_N
ClientSampleId :
A1513

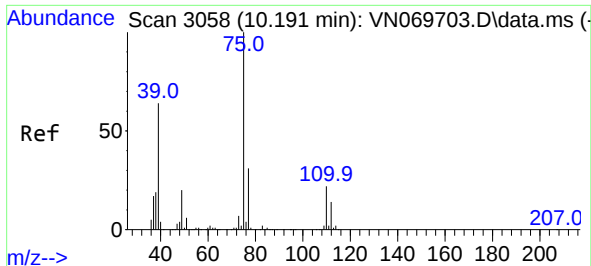
Tgt Ion: 98 Resp: 3111131
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.81 ug/l
RT: 10.708 min Scan# 3251
Delta R.T. -0.011 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

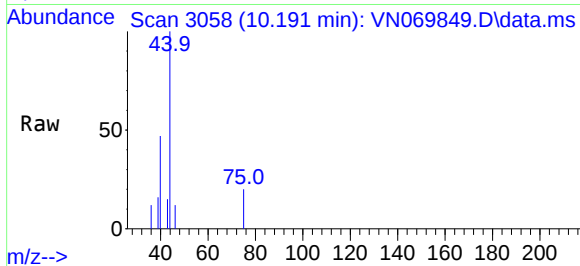
Tgt Ion: 75 Resp: 440
Ion Ratio Lower Upper
75 100
77 0.8 25.6 38.4#



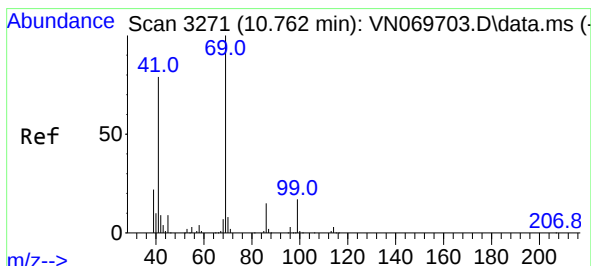
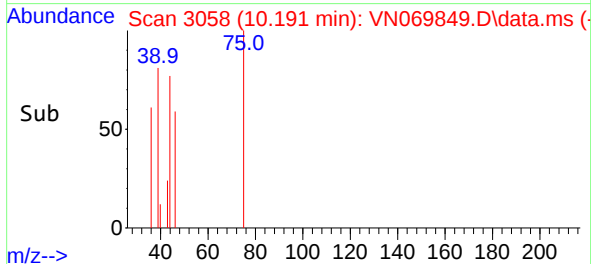
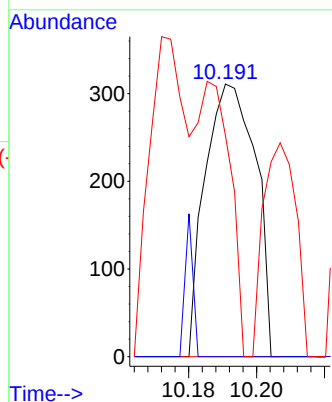


#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. -0.000 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Instrument :
MSVOA_N
ClientSampleId :
A1513

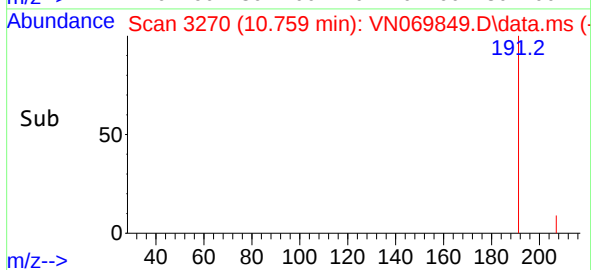
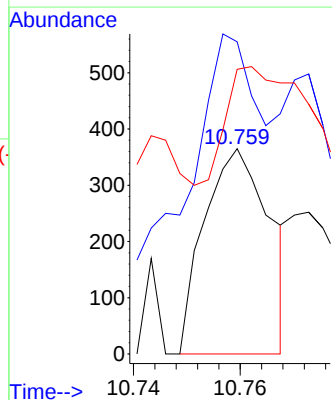
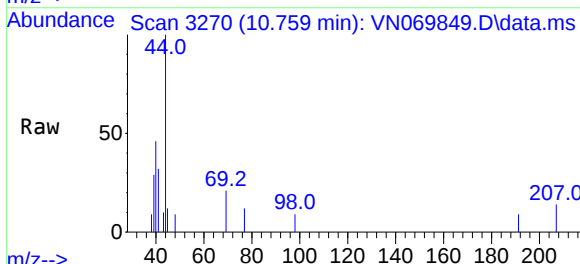


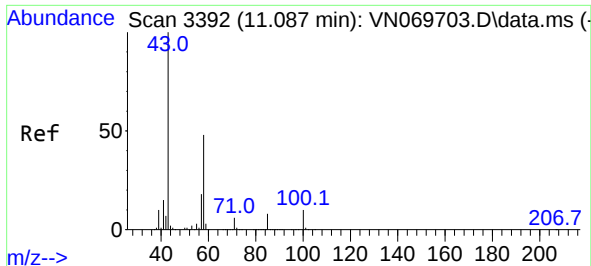
Tgt Ion: 75 Resp: 320
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 2.6 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.29 ug/l
RT: 10.759 min Scan# 3270
Delta R.T. -0.003 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 69 Resp: 310
Ion Ratio Lower Upper
69 100
41 188.7 51.4 77.0#
39 292.6 34.6 52.0#

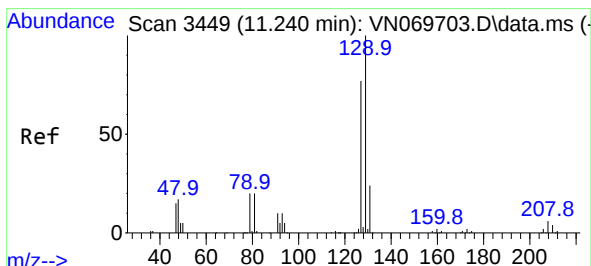
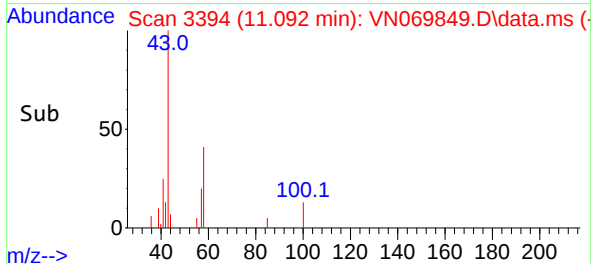
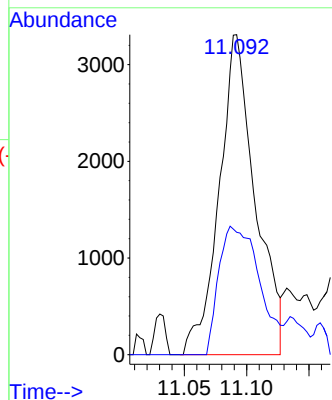
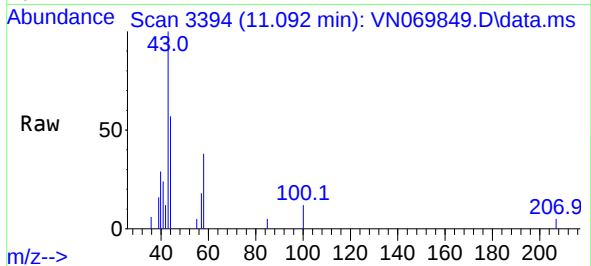




#59
2-Hexanone
Concen: 0.27 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

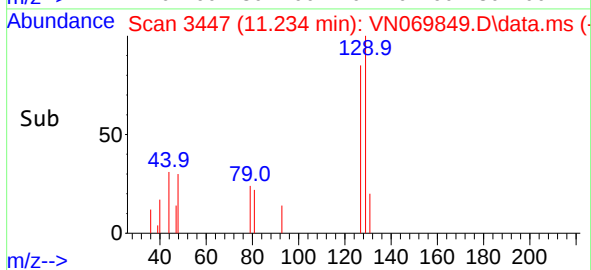
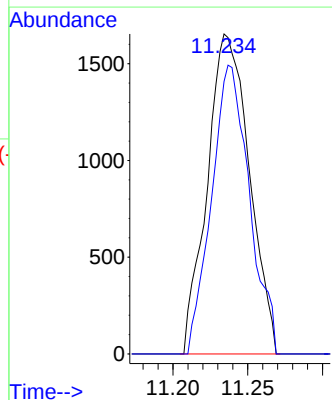
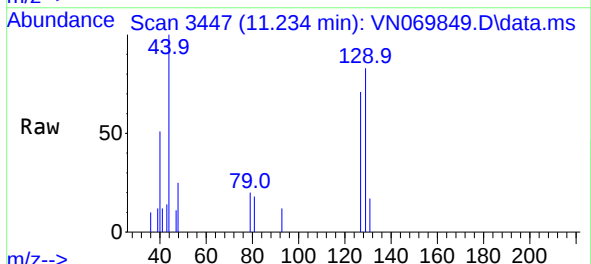
Instrument :
MSVOA_N
ClientSampleId :
A1513

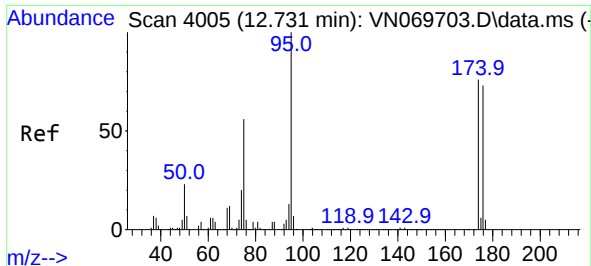
Tgt Ion: 43 Resp: 6663
Ion Ratio Lower Upper
43 100
58 45.7 26.9 80.7



#60
Dibromochloromethane
Concen: 2.55 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.006 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 129 Resp: 3239
Ion Ratio Lower Upper
129 100
127 81.2 38.6 116.0

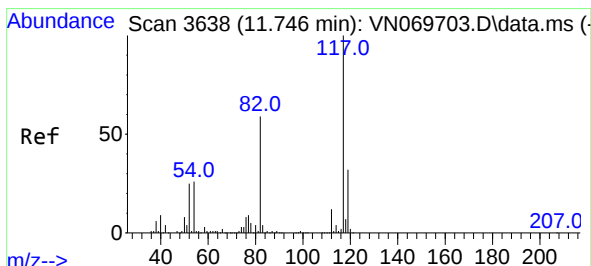
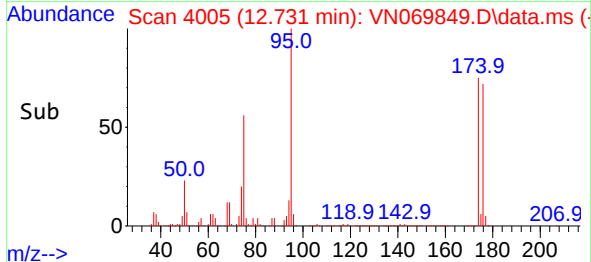
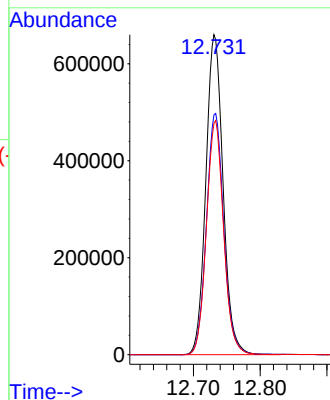
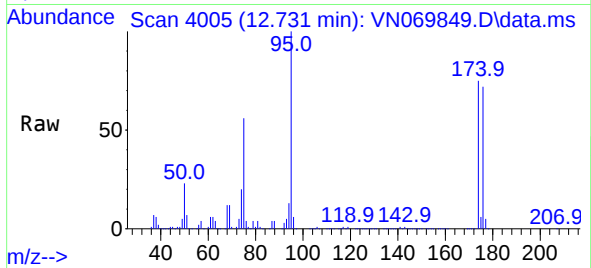




#62
4-Bromofluorobenzene
Concen: 54.51 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

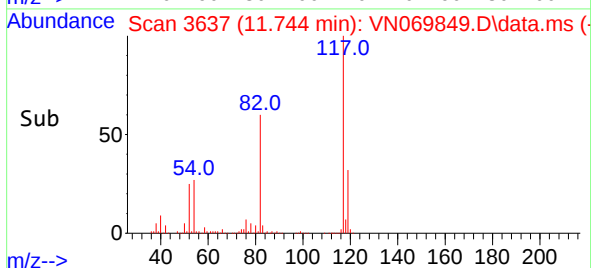
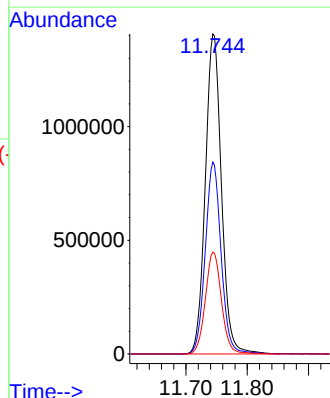
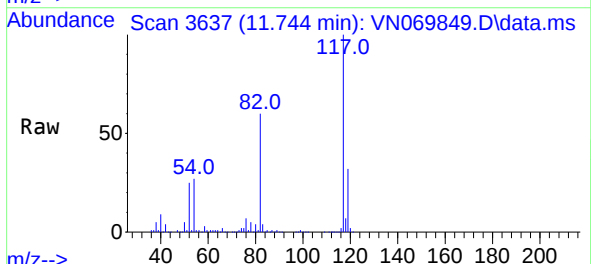
Instrument :
MSVOA_N
ClientSampleId :
A1513

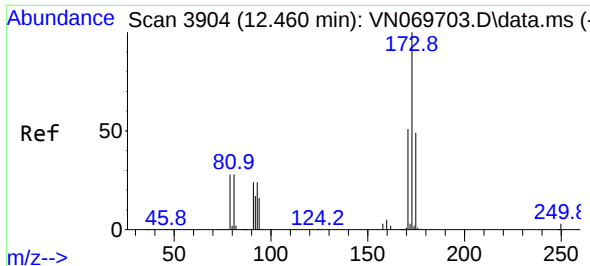
Tgt Ion: 95 Resp: 1181745
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 117 Resp: 2568048
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 31.8 25.4 38.2

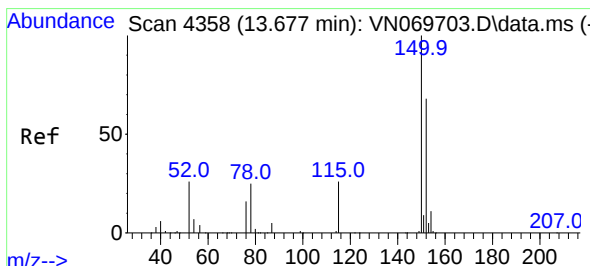
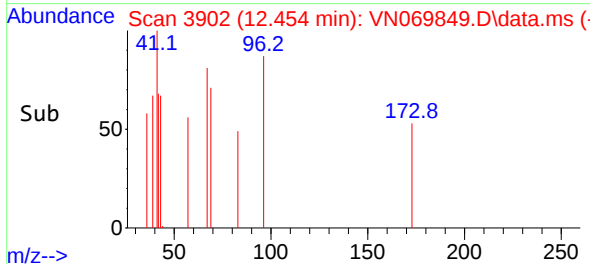
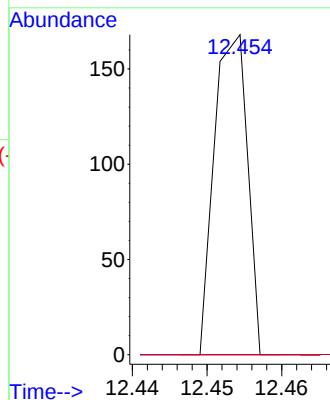
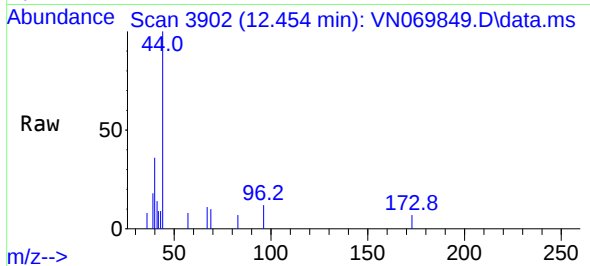




#71
Bromoform
Concen: 2.73 ug/l
RT: 12.454 min Scan# 3902
Delta R.T. -0.006 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

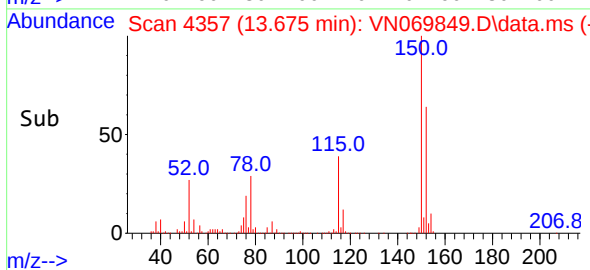
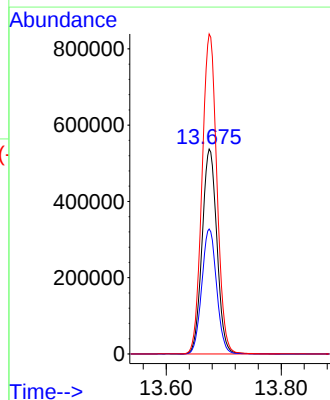
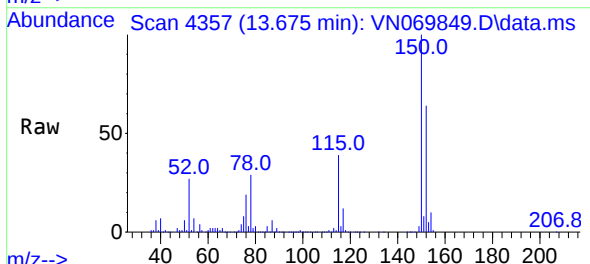
Instrument :
MSVOA_N
ClientSampleId :
A1513

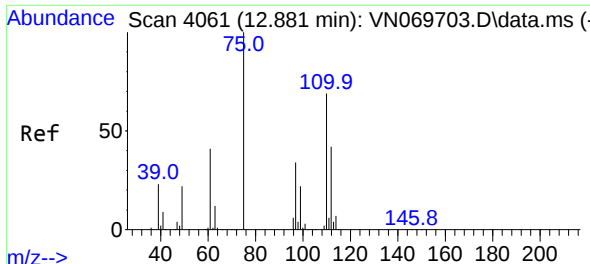
Tgt Ion:173 Resp: 52
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion:152 Resp: 958763
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 156.7 0.0 344.4

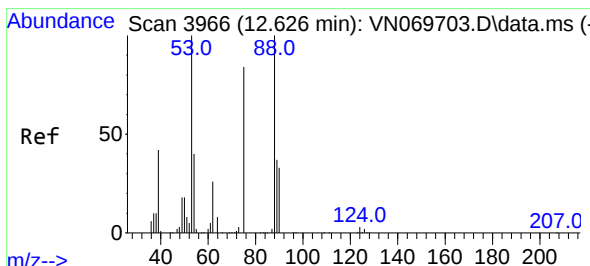
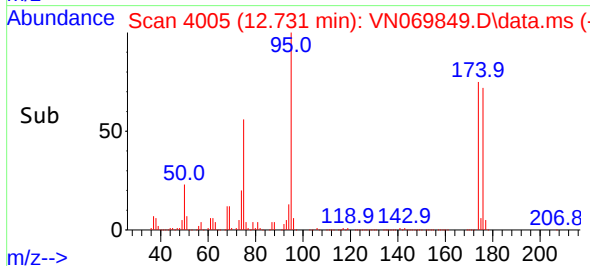
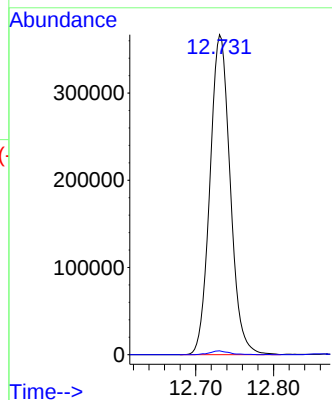
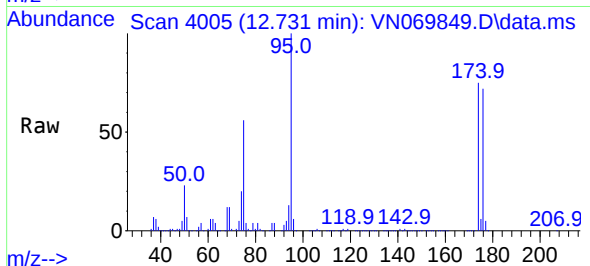




#76
1,2,3-Trichloropropane
Concen: 24.11 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

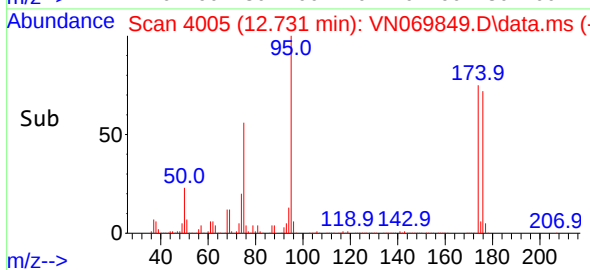
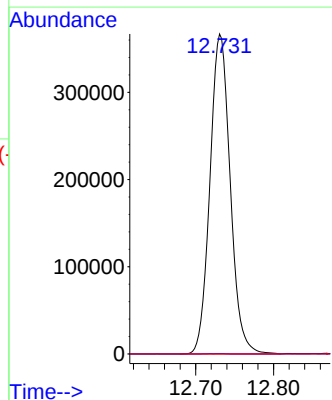
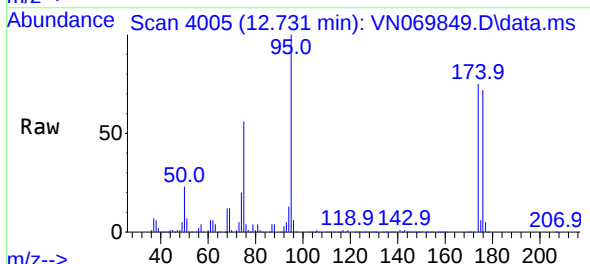
Instrument :
MSVOA_N
ClientSampleId :
A1513

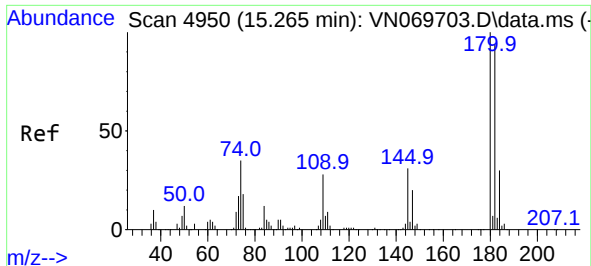
Tgt Ion: 75 Resp: 662953
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.57 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Tgt Ion: 75 Resp: 662953
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

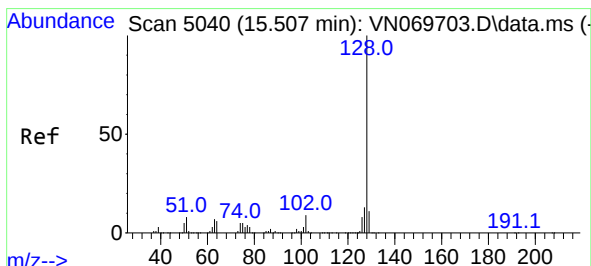
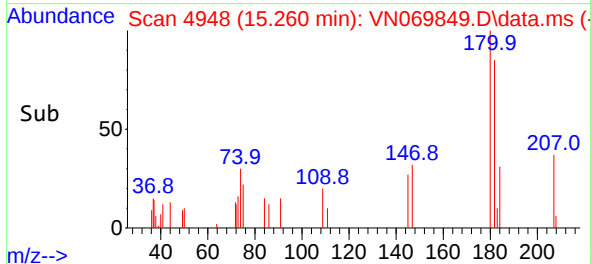
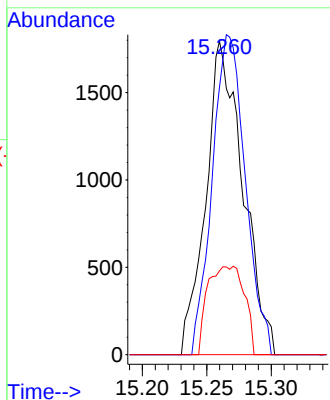
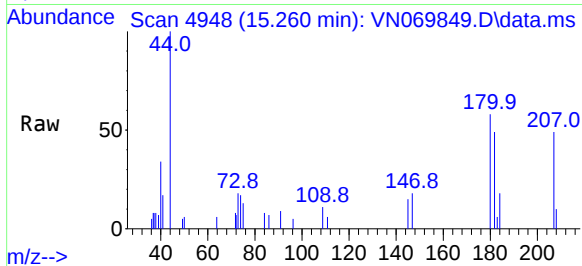




#93
1,2,4-Trichlorobenzene
Concen: 3.09 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

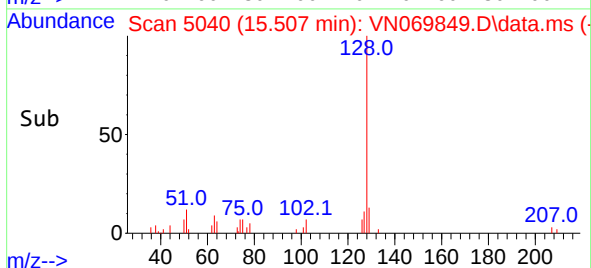
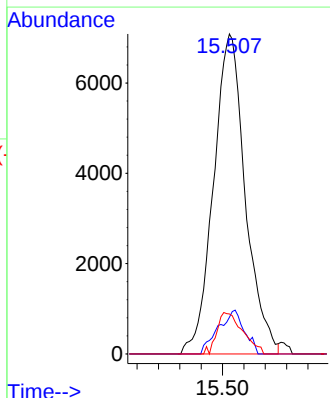
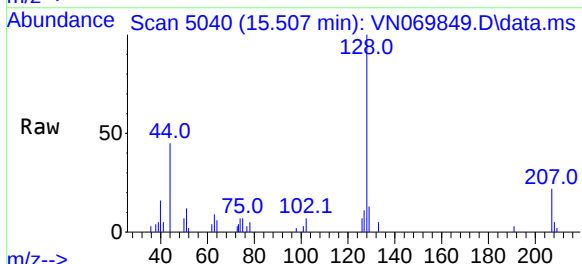
Instrument :
MSVOA_N
ClientSampleId :
A1513

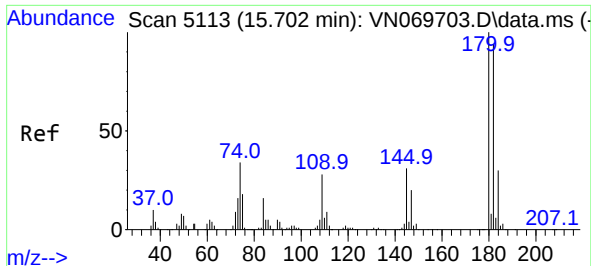
Tgt Ion:180 Resp: 3573
Ion Ratio Lower Upper
180 100
182 91.5 48.3 144.9
145 27.8 14.5 43.5



#95
Naphthalene
Concen: 4.27 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

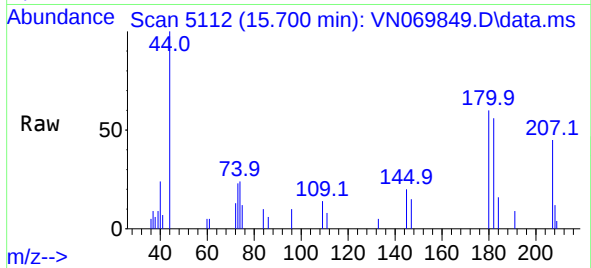
Tgt Ion:128 Resp: 14658
Ion Ratio Lower Upper
128 100
127 11.2 10.5 15.7
129 10.5 8.7 13.1





#96
1,2,3-Trichlorobenzene
Concen: 2.69 ug/l
RT: 15.700 min Scan# 51
Delta R.T. -0.002 min
Lab File: VN069849.D
Acq: 8 Dec 2021 7:04

Instrument :
MSVOA_N
ClientSampleId :
A1513



Tgt Ion:	180	Resp:	4090
Ion	Ratio	Lower	Upper
180	100		
182	88.9	47.4	142.2
145	29.4	15.0	45.1

