

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069873.D
 Acq On : 8 Dec 2021 20:18
 Operator : JC/MD
 Sample : PB141231ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#04

Quant Time: Dec 09 11:46:54 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)

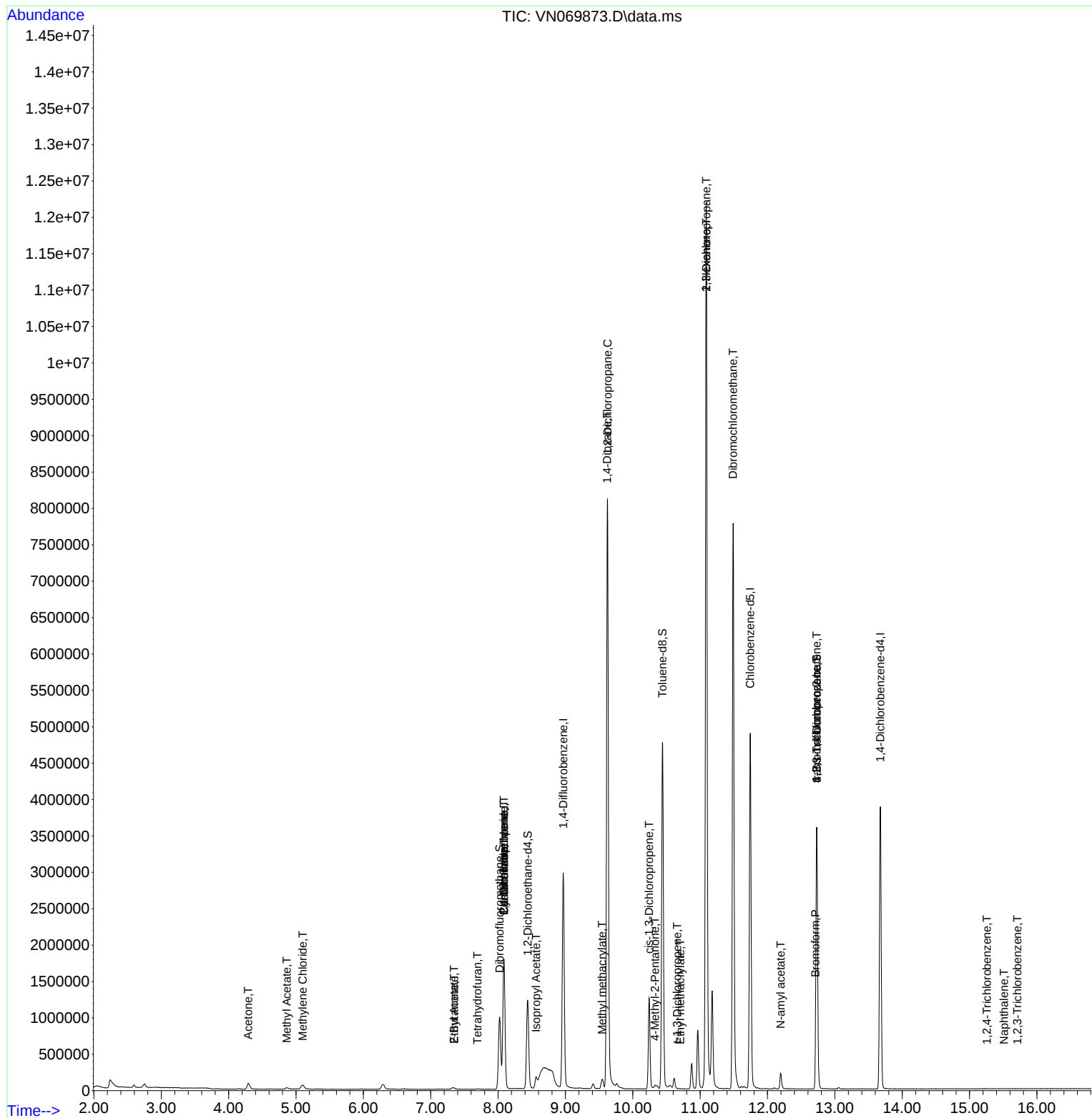
Internal Standards						
1) Pentafluorobenzene	8.088	168	1315048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2468213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2680924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1046508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1061198	52.265	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.520%			
35) Dibromofluoromethane	8.024	113	718088	46.447	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 92.900%			
50) Toluene-d8	10.440	98	3210075	51.710	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.420%			
62) 4-Bromofluorobenzene	12.731	95	1258100	55.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.880%			
Target Compounds					Qvalue	
16) Acetone	4.291	43	152969	12.524	ug/l	96
18) Methyl Acetate	4.862	43	46099	1.250	ug/l #	86
20) Methylene Chloride	5.101	84	38802	2.390	ug/l	87
25) 2-Butanone	7.348	43	25453	1.534	ug/l	97
29) Tetrahydrofuran	7.694	42	5525	0.548	ug/l #	65
31) Cyclohexane	8.086	56	34675	1.227	ug/l #	20
36) 1,1-Dichloropropene	8.086	75	112170	4.774	ug/l #	49
37) Ethyl Acetate	7.348	43	25453	0.728	ug/l #	68
38) Carbon Tetrachloride	8.088	117	137635	5.973	ug/l #	16
43) Isopropyl Acetate	8.563	43	190550	3.682	ug/l #	80
45) 1,2-Dichloropropane	9.625	63	8928	0.463	ug/l #	44
48) Methyl methacrylate	9.545	41	38038	1.575	ug/l #	8
49) 1,4-Dioxane	9.620	88	1172	2.704	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	23027	0.686	ug/l #	82
53) t-1,3-Dichloropropene	10.658	75	55	2.796	ug/l #	43
54) cis-1,3-Dichloropropene	10.242	75	196310	8.232	ug/l #	73
56) Ethyl methacrylate	10.706	69	938	2.306	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	119927	3.850	ug/l #	43
59) 2-Hexanone	11.089	43	2159520	85.030	ug/l #	47
60) Dibromochloromethane	11.489	129	1241	2.439	ug/l #	11
71) Bromoform	12.712	173	795	2.777	ug/l #	1
74) N-amyl acetate	12.194	43	79729	1.936	ug/l #	51
76) 1,2,3-Trichloropropane	12.731	75	699983	23.324	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	699983	74.197	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	364	2.898	ug/l #	40
95) Naphthalene	15.509	128	735	3.998	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.710	180	57	2.439	ug/l #	1

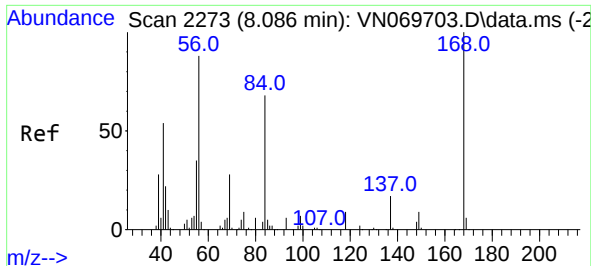
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
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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

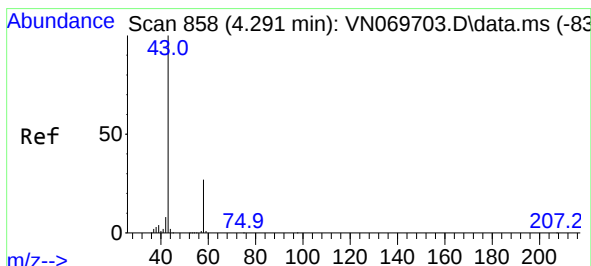
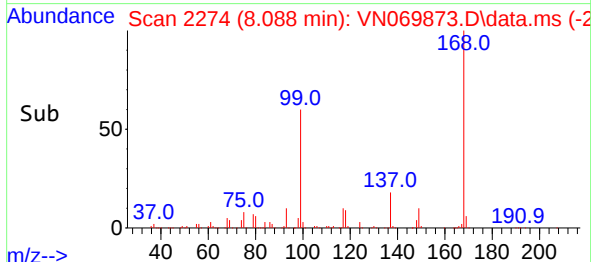
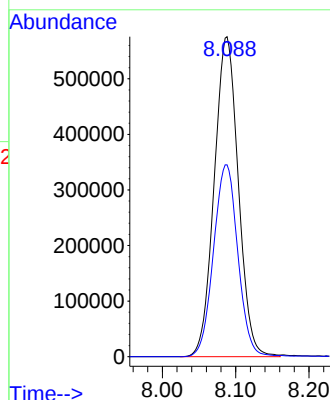
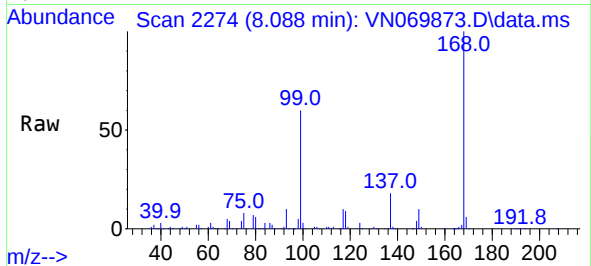




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

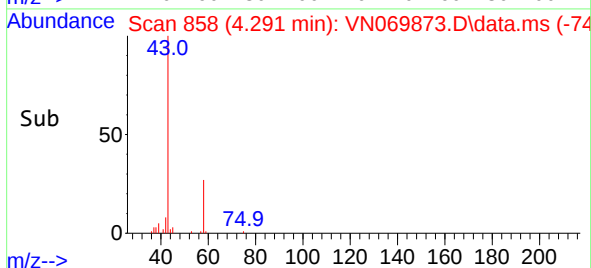
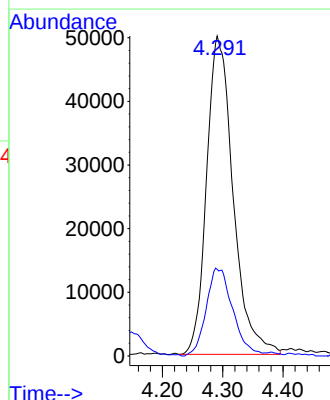
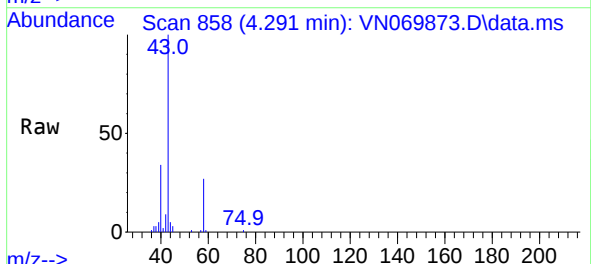
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

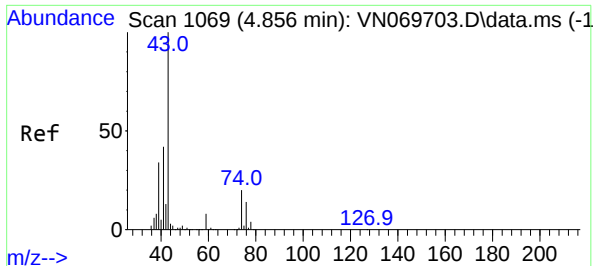
Tgt Ion:168 Resp: 1315048
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#16
Acetone
Concen: 12.524 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Tgt Ion: 43 Resp: 152969
Ion Ratio Lower Upper
43 100
58 26.9 23.1 34.7





#18

Methyl Acetate

Concen: 1.250 ug/l

RT: 4.862 min Scan# 110

Delta R.T. 0.005 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

Instrument :

MSVOA_N

ClientSampleId :

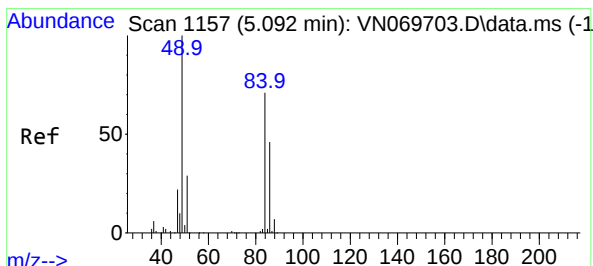
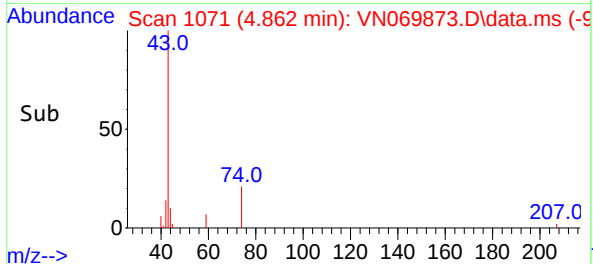
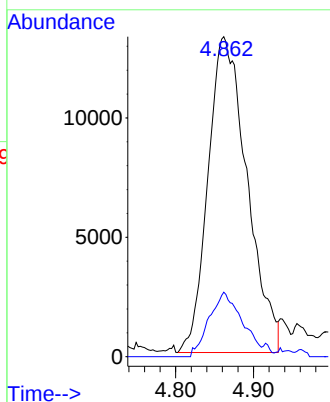
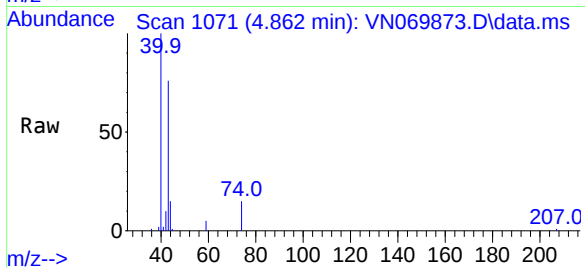
PB141231ZHE#04

Tgt Ion: 43 Resp: 46099

Ion Ratio Lower Upper

43 100

74 17.2 19.4 29.2#



#20

Methylene Chloride

Concen: 2.390 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.008 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

Tgt Ion: 84 Resp: 38802

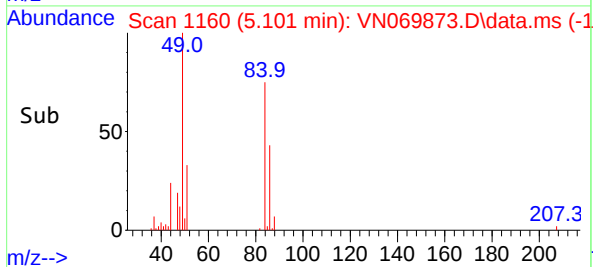
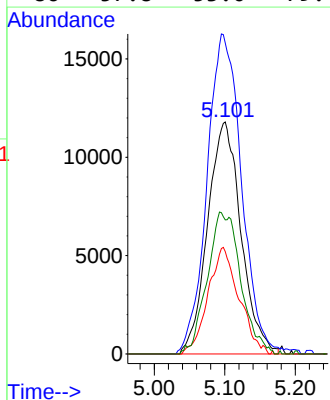
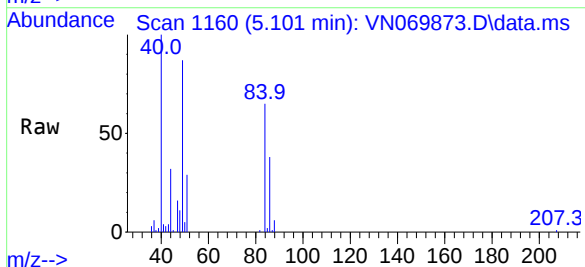
Ion Ratio Lower Upper

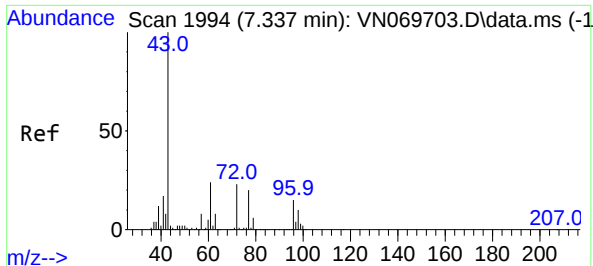
84 100

49 132.7 93.5 140.3

51 44.1 29.4 44.2

86 57.8 53.0 79.4

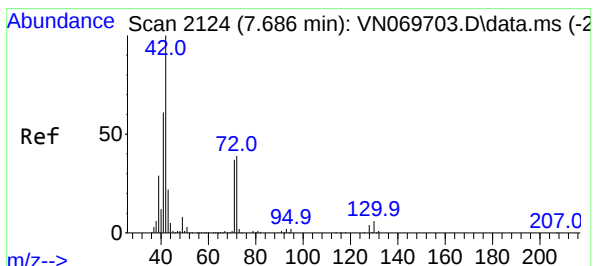
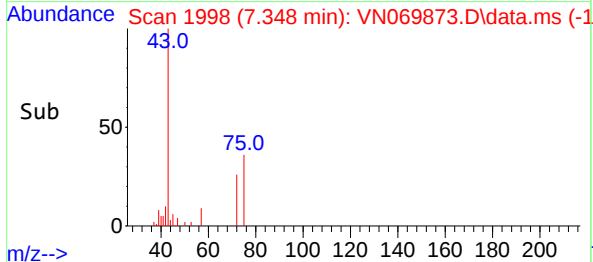
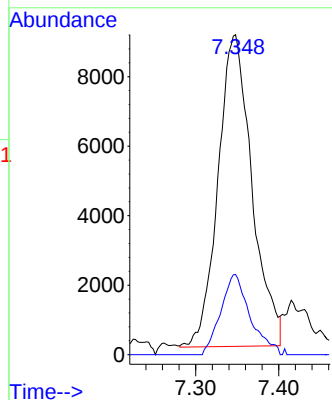
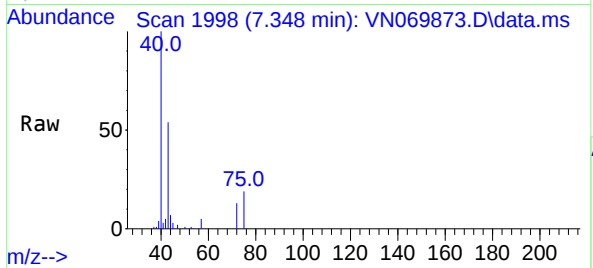




#25
2-Butanone
Concen: 1.534 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

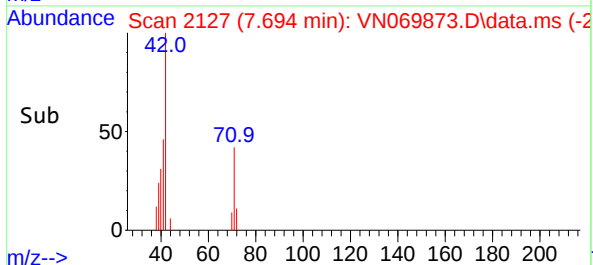
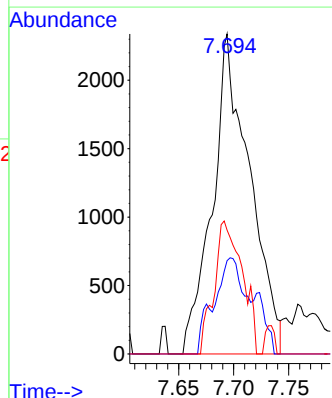
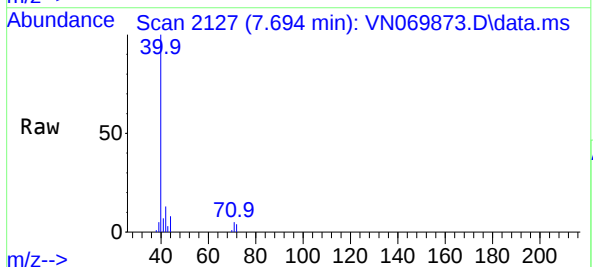
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

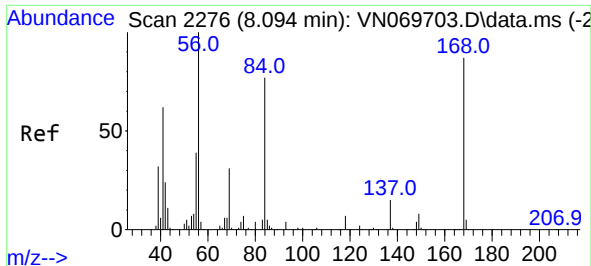
Tgt Ion: 43 Resp: 25453
Ion Ratio Lower Upper
43 100
72 25.8 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.548 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.008 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

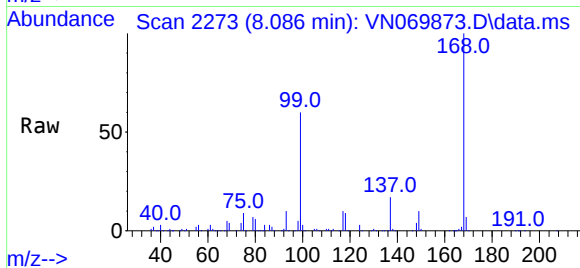
Tgt Ion: 42 Resp: 5525
Ion Ratio Lower Upper
42 100
72 11.9 36.3 54.5#
71 31.2 34.7 52.1#



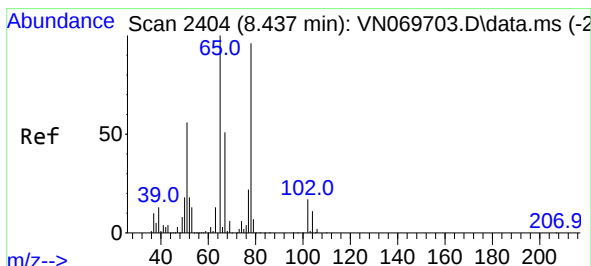
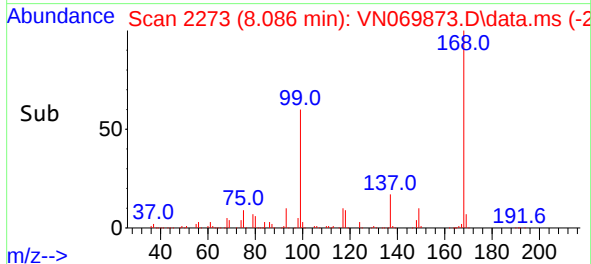
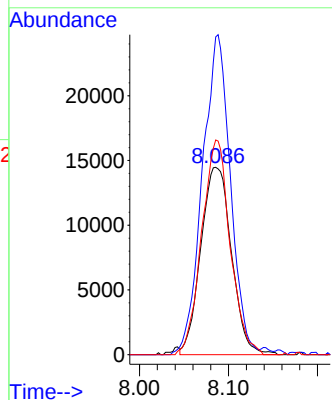


#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

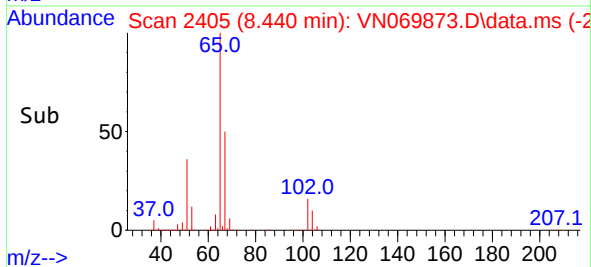
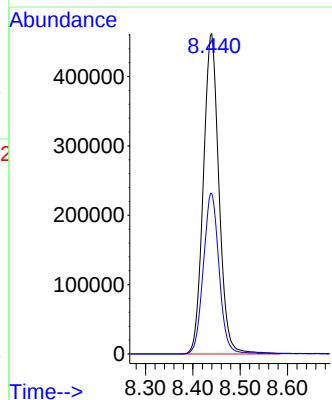
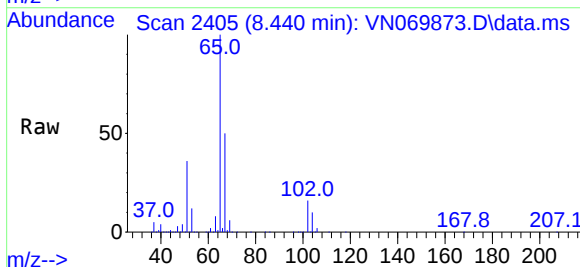


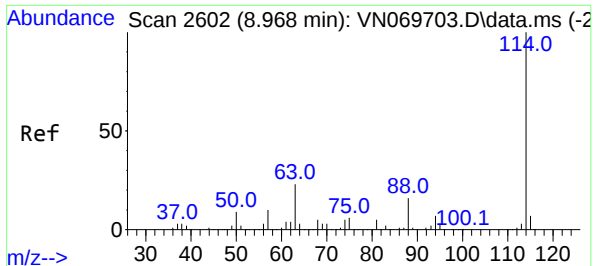
Tgt Ion: 56 Resp: 34675
Ion Ratio Lower Upper
56 100
69 167.2 27.1 40.7#
84 114.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.265 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Tgt Ion: 65 Resp: 1061198
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#04

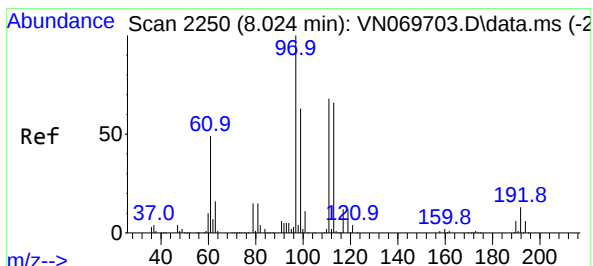
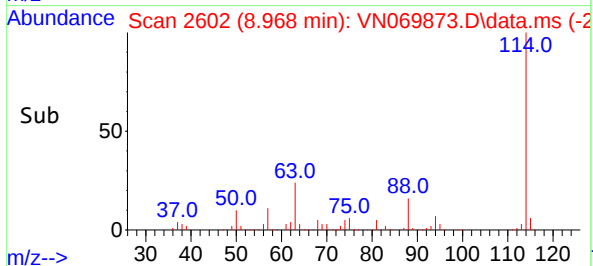
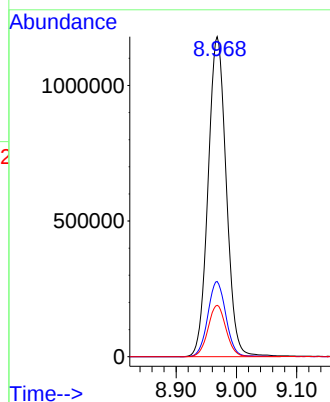
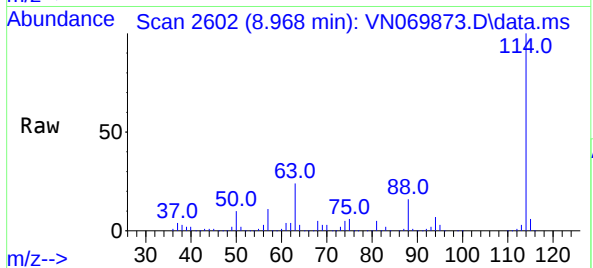
Tgt Ion:114 Resp: 2468213

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.447 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

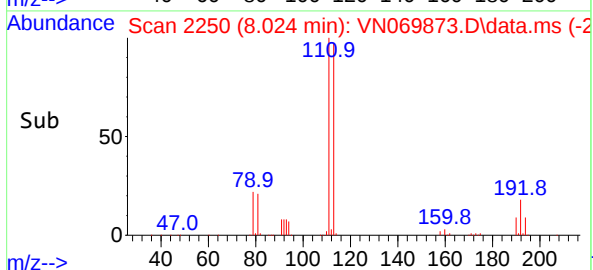
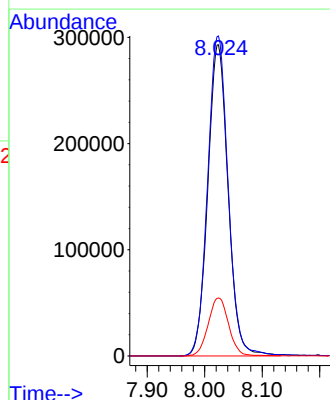
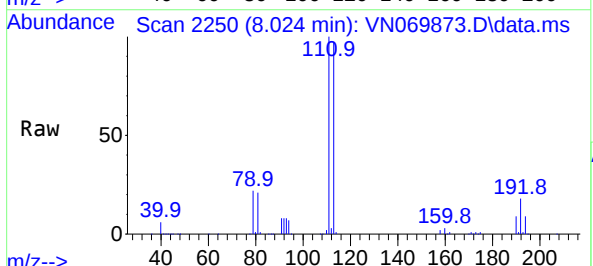
Tgt Ion:113 Resp: 718088

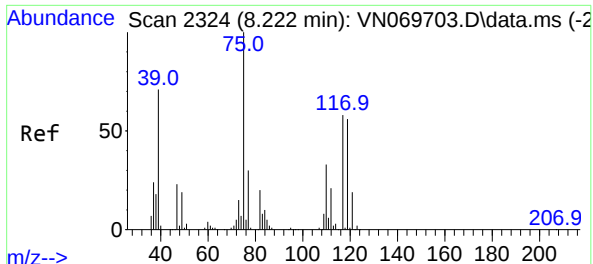
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.2

192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.774 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

Instrument :

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ClientSampleId :

PB141231ZHE#04

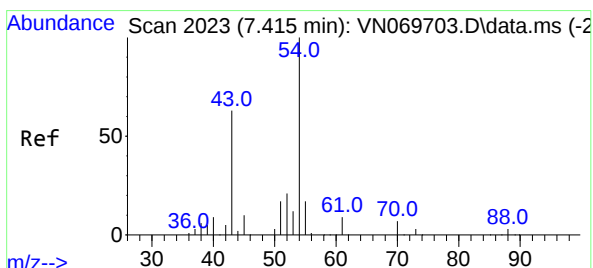
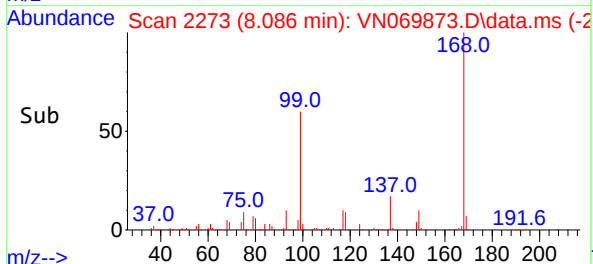
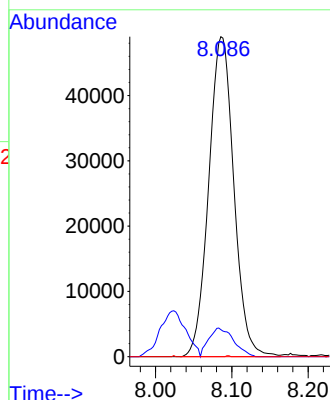
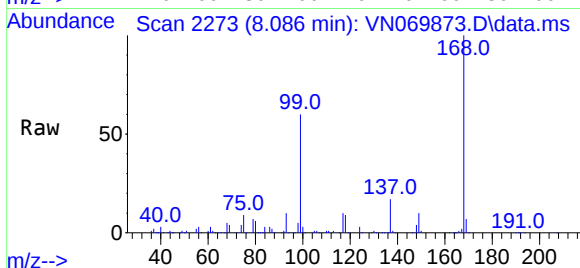
Tgt Ion: 75 Resp: 112170

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.728 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.067 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

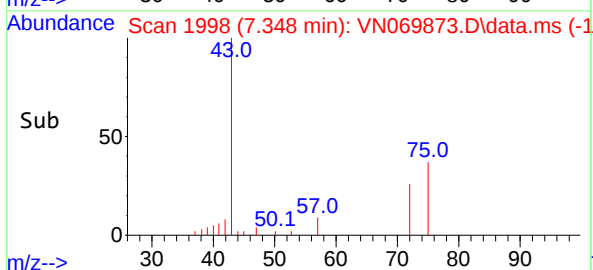
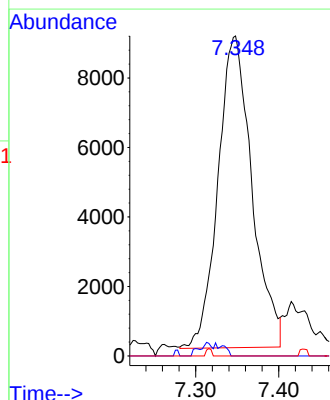
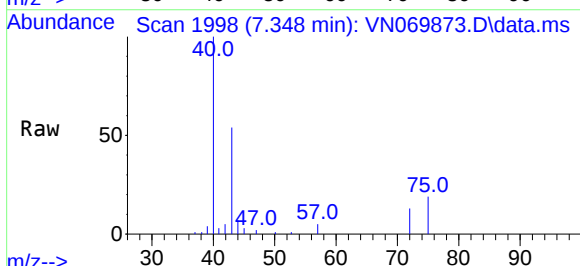
Tgt Ion: 43 Resp: 25453

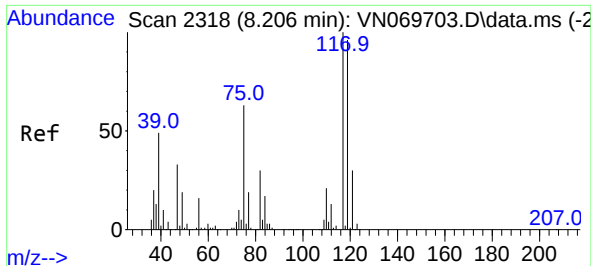
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

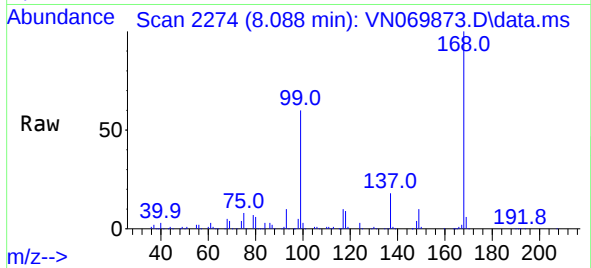
70 0.0 7.9 11.9#



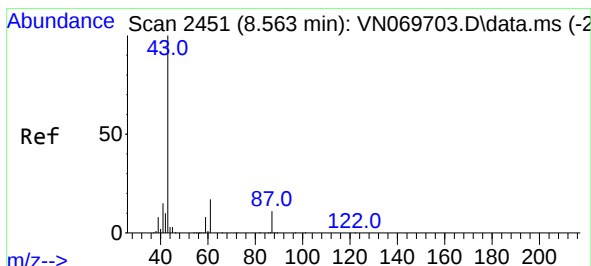
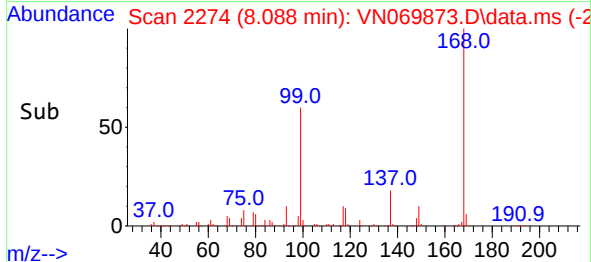
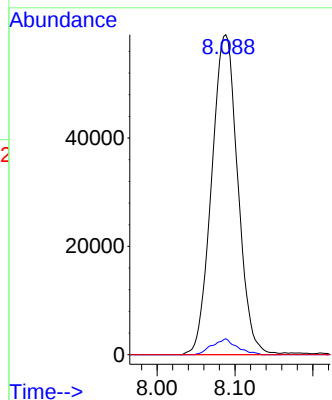


#38
Carbon Tetrachloride
Concen: 5.973 ug/l
RT: 8.088 min Scan# 2117
Delta R.T. -0.118 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Instrument :
MSVOA_N
ClientSampleId :
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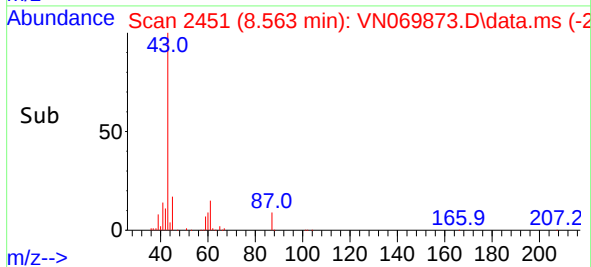
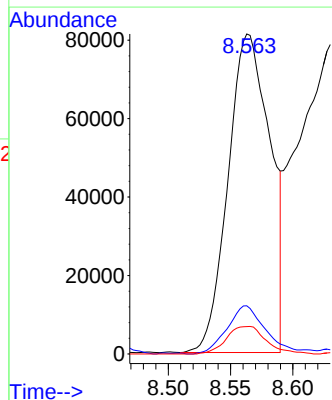
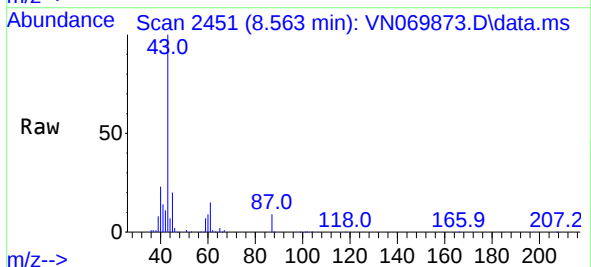


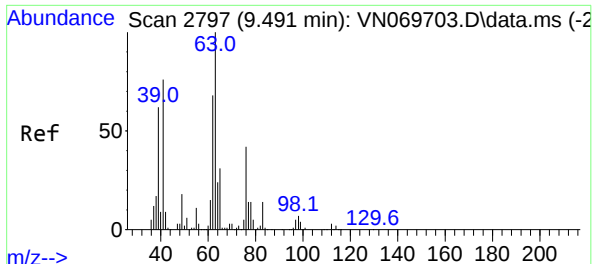
Tgt Ion:117 Resp: 137635
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.682 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Tgt Ion: 43 Resp: 190550
Ion Ratio Lower Upper
43 100
61 13.8 20.4 30.6#
87 8.2 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.463 ug/l

RT: 9.625 min Scan# 21

Delta R.T. 0.134 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

Instrument :

MSVOA_N

ClientSampleId :

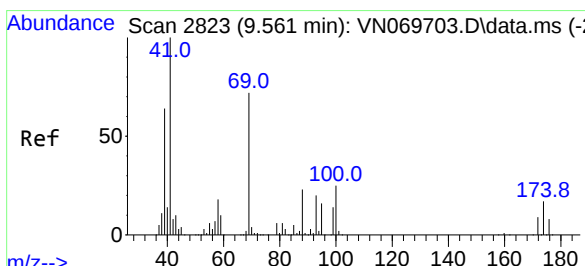
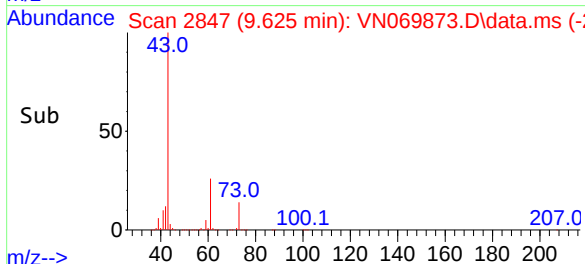
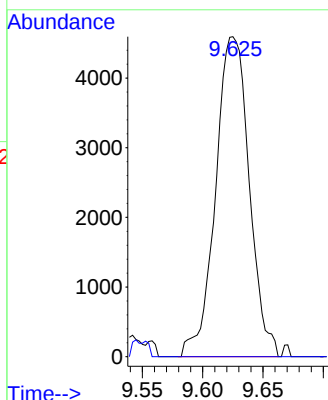
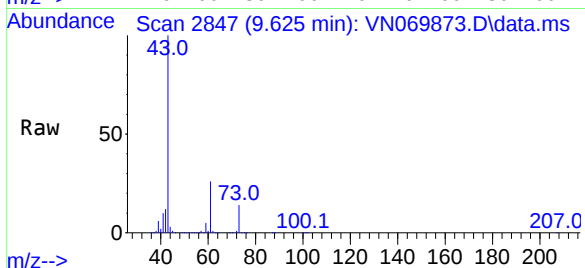
PB141231ZHE#04

Tgt Ion: 63 Resp: 8928

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.575 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.016 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

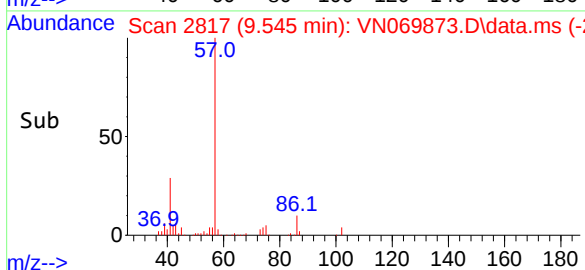
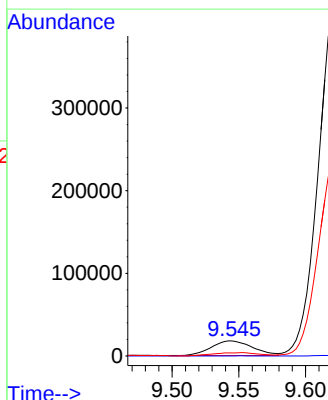
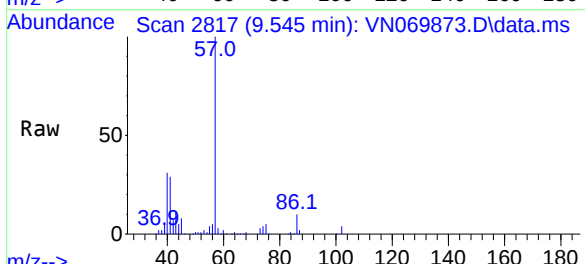
Tgt Ion: 41 Resp: 38038

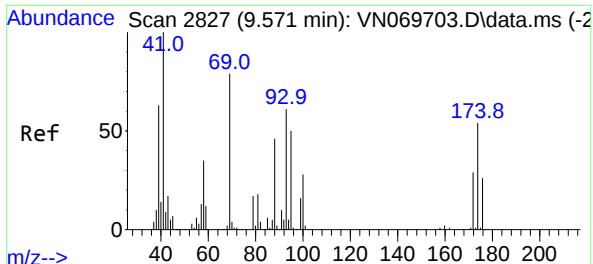
Ion Ratio Lower Upper

41 100

69 0.1 72.4 108.6#

39 0.0 58.4 87.6#

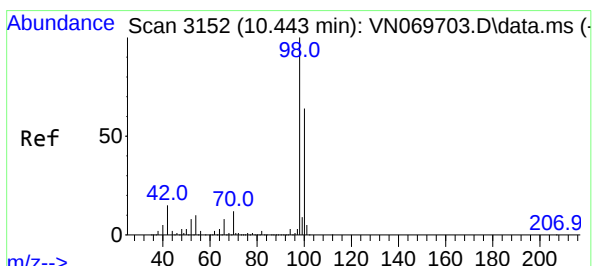
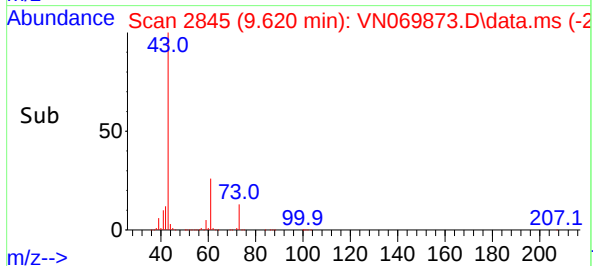
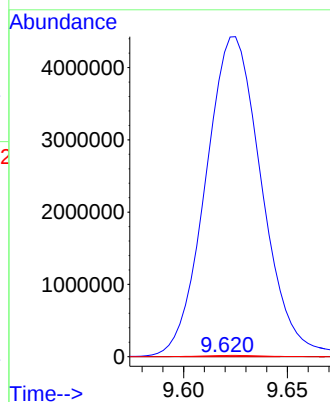
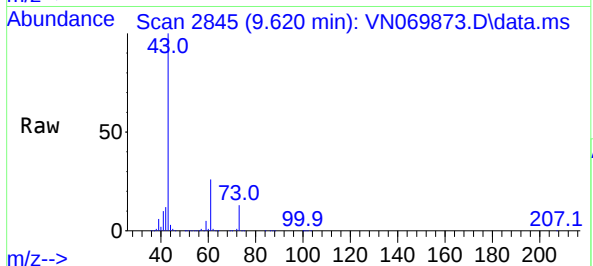




#49
1,4-Dioxane
Concen: 2.704 ug/l
RT: 9.620 min Scan# 21
Delta R.T. 0.048 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

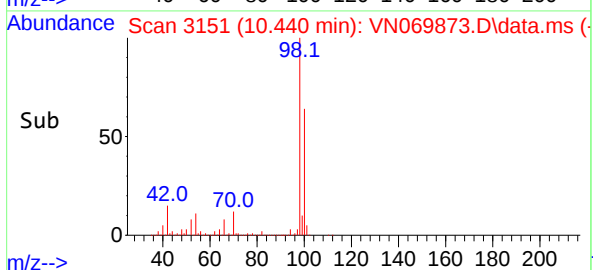
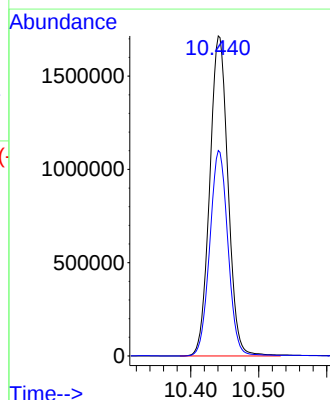
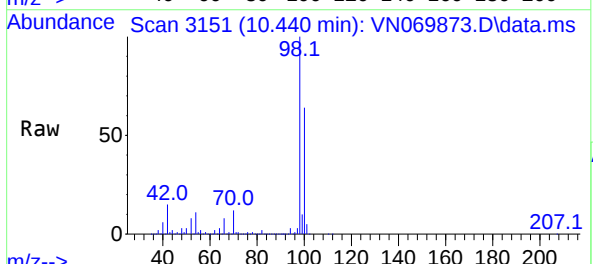
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

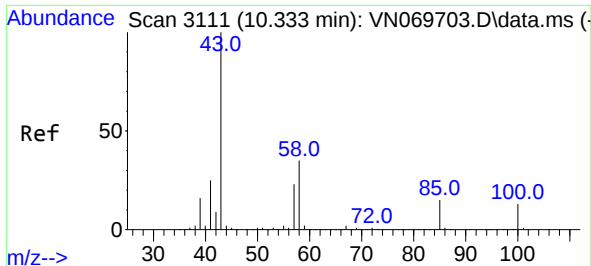
Tgt Ion: 88 Resp: 1172
Ion Ratio Lower Upper
88 100
43 724966.0 23.4 35.2#
58 2940.7 50.6 75.8#



#50
Toluene-d8
Concen: 51.710 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Tgt Ion: 98 Resp: 3210075
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.686 ug/l

RT: 10.330 min Scan# 3111

Delta R.T. -0.003 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

Instrument :

MSVOA_N

ClientSampleId :

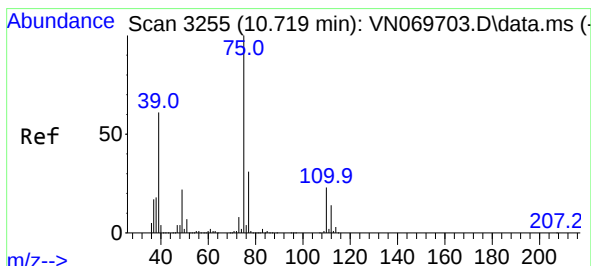
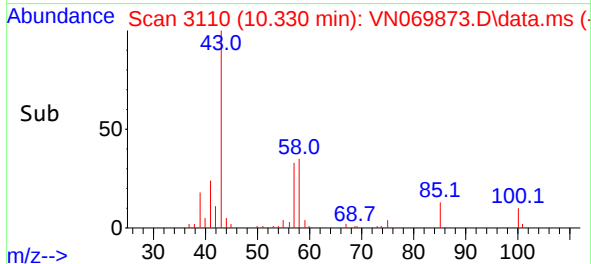
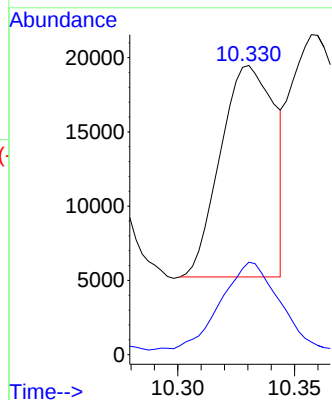
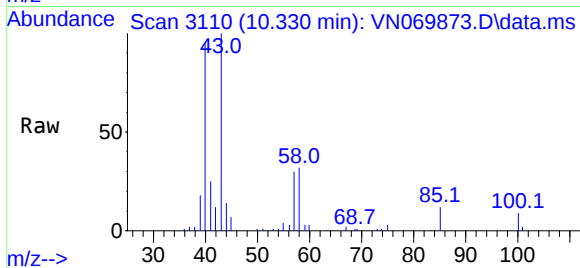
PB141231ZHE#04

Tgt Ion: 43 Resp: 23027

Ion Ratio Lower Upper

43 100

58 48.6 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.796 ug/l

RT: 10.658 min Scan# 3232

Delta R.T. -0.061 min

Lab File: VN069873.D

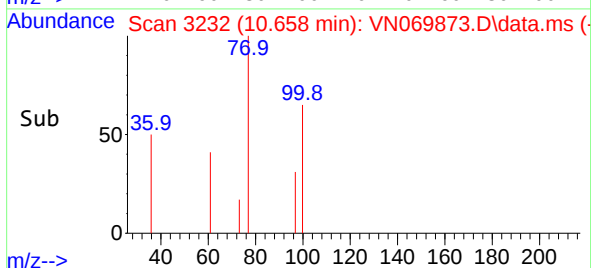
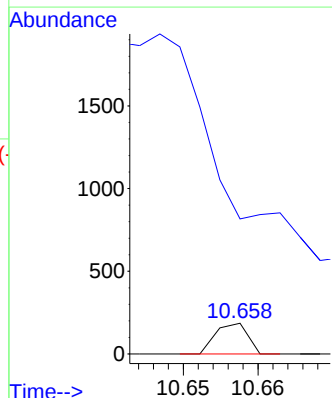
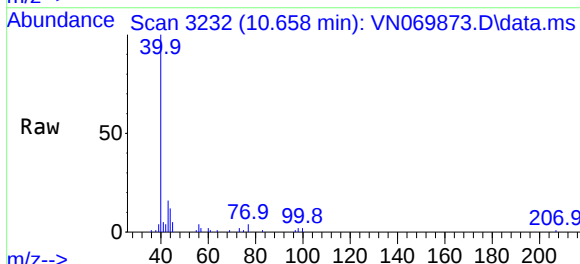
Acq: 8 Dec 2021 20:18

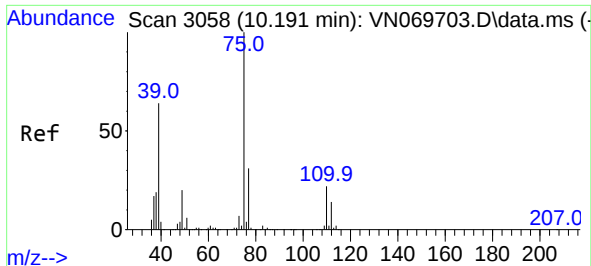
Tgt Ion: 75 Resp: 55

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

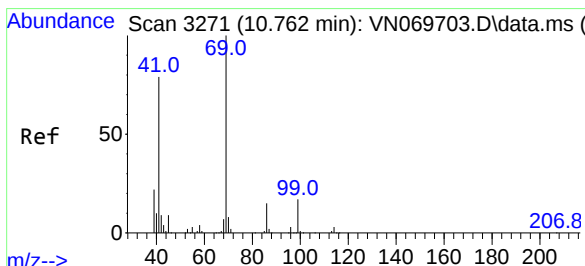
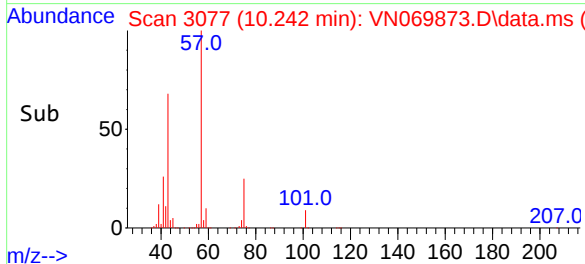
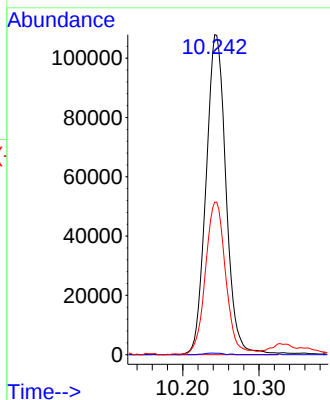
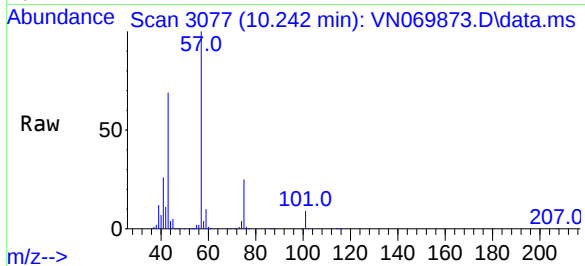




#54
 cis-1,3-Dichloropropene
 Concen: 8.232 ug/l
 RT: 10.242 min Scan# 3058
 Delta R.T. 0.051 min
 Lab File: VN069873.D
 Acq: 8 Dec 2021 20:18

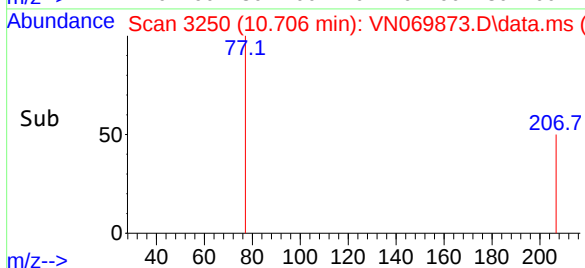
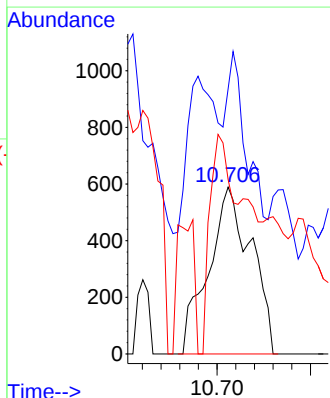
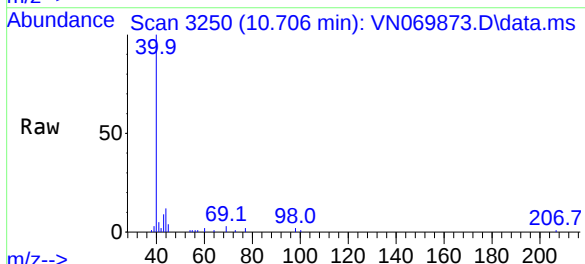
Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#04

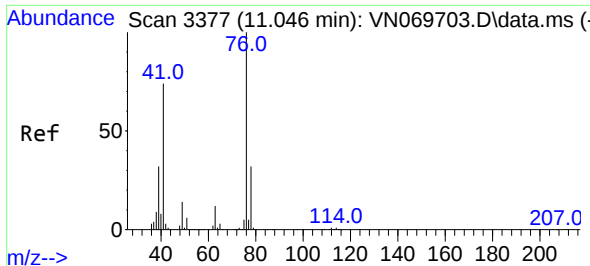
Tgt Ion: 75 Resp: 196310
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 47.4 42.5 63.7



#56
 Ethyl methacrylate
 Concen: 2.306 ug/l
 RT: 10.706 min Scan# 3250
 Delta R.T. -0.056 min
 Lab File: VN069873.D
 Acq: 8 Dec 2021 20:18

Tgt Ion: 69 Resp: 938
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 0.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 3.850 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.043 min

Lab File: VN069873.D

Acq: 8 Dec 2021 20:18

Instrument :

MSVOA_N

ClientSampleId :

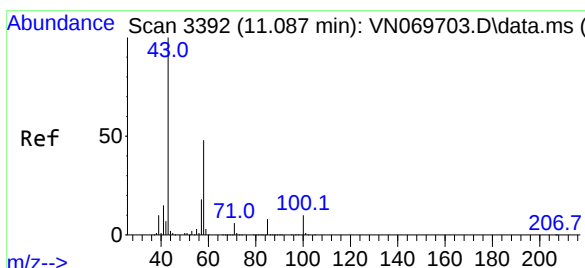
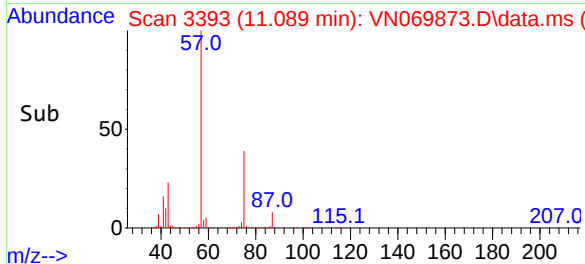
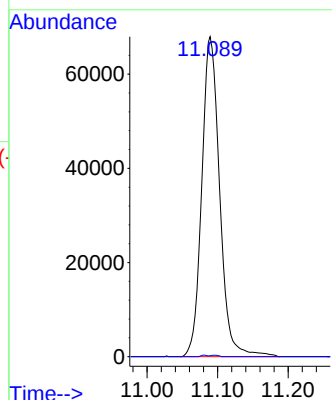
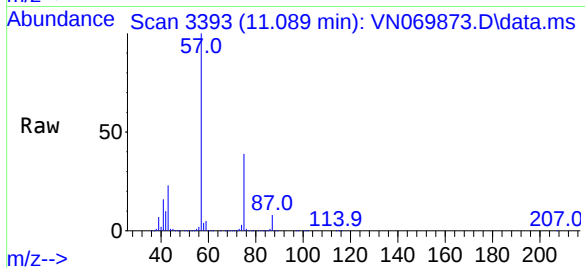
PB141231ZHE#04

Tgt Ion: 76 Resp: 119927

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 85.030 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.002 min

Lab File: VN069873.D

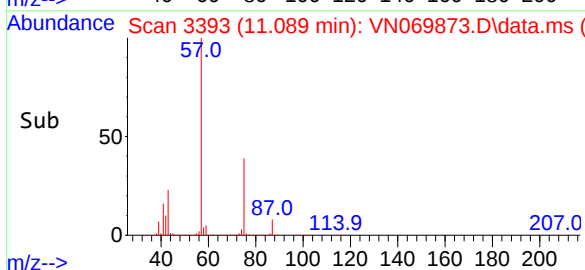
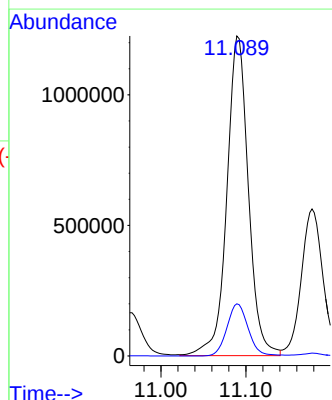
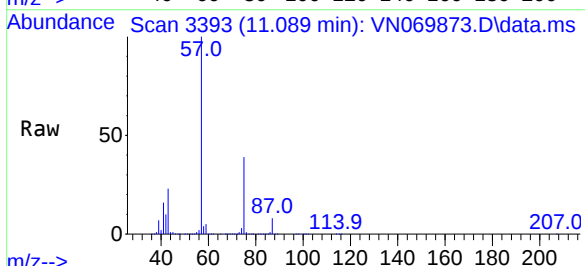
Acq: 8 Dec 2021 20:18

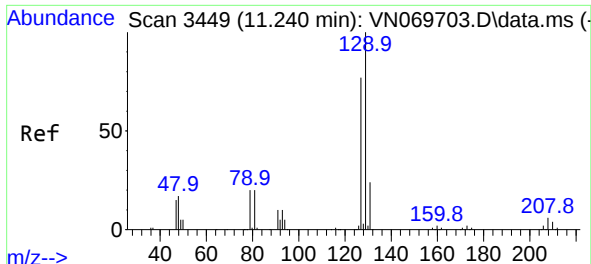
Tgt Ion: 43 Resp: 2159520

Ion Ratio Lower Upper

43 100

58 16.1 26.9 80.7#

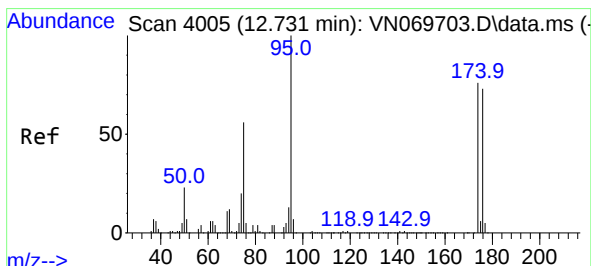
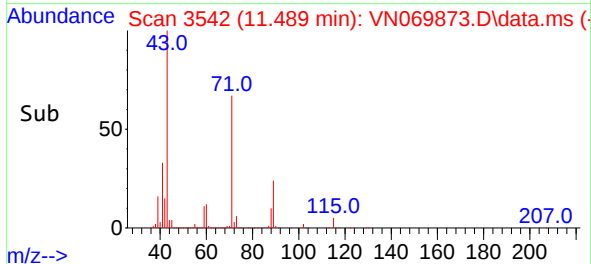
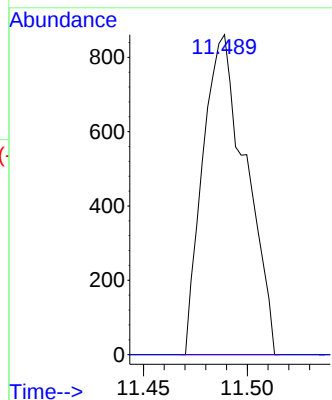
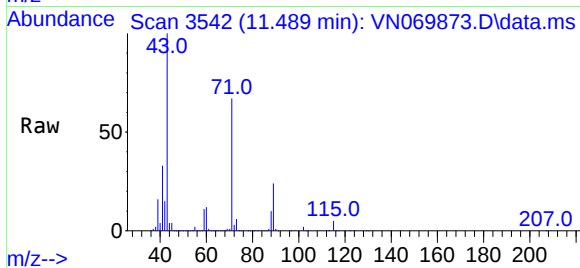




#60
Dibromochloromethane
Concen: 2.439 ug/l
RT: 11.489 min Scan# 31
Delta R.T. 0.249 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

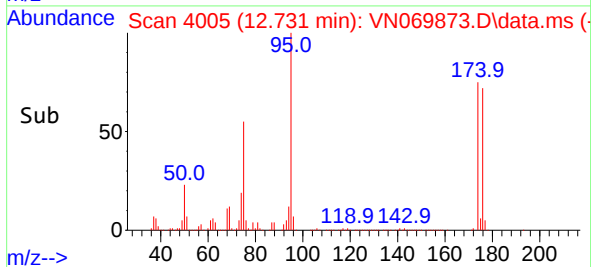
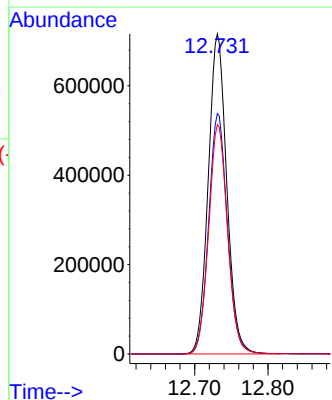
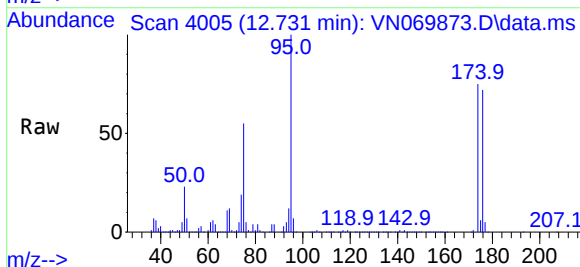
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

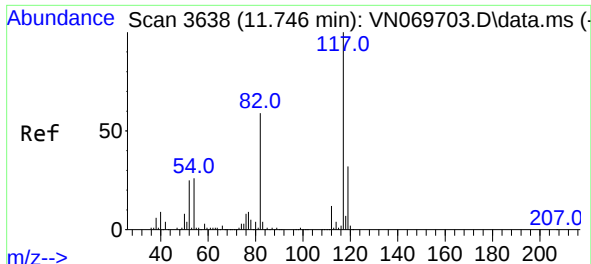
Tgt Ion:129 Resp: 1241
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.941 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

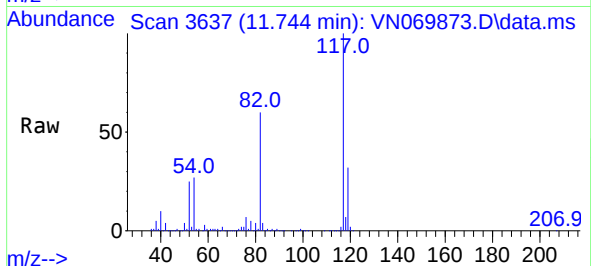
Tgt Ion: 95 Resp: 1258100
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 72.7 0.0 181.4





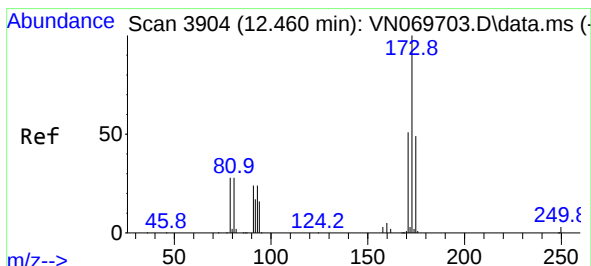
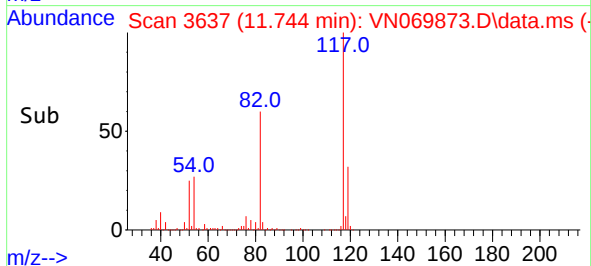
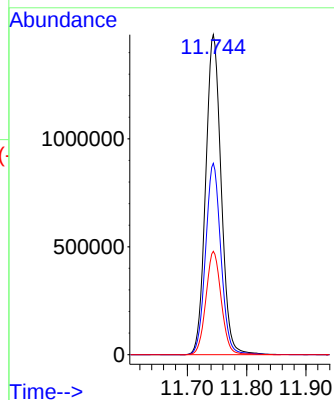
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04



Tgt Ion:117 Resp: 2680924

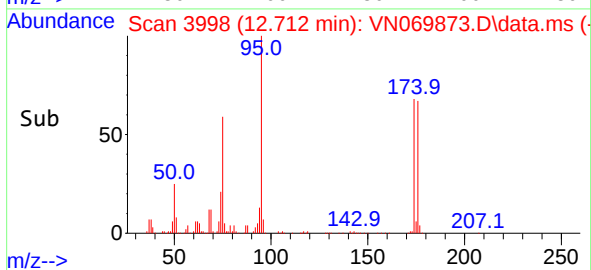
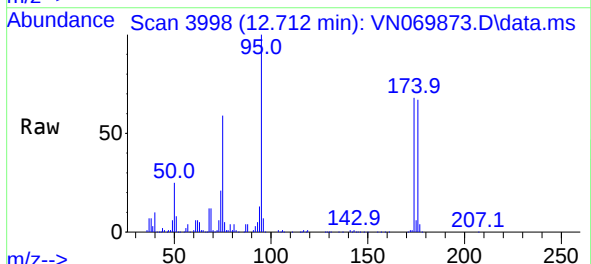
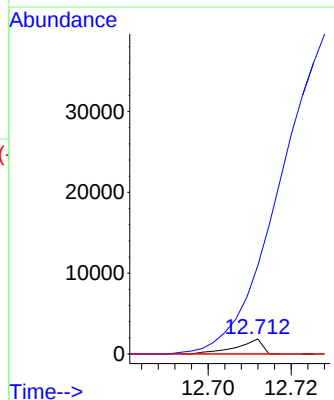
Ion	Ratio	Lower	Upper
117	100		
82	59.8	42.4	63.6
119	32.3	25.4	38.2

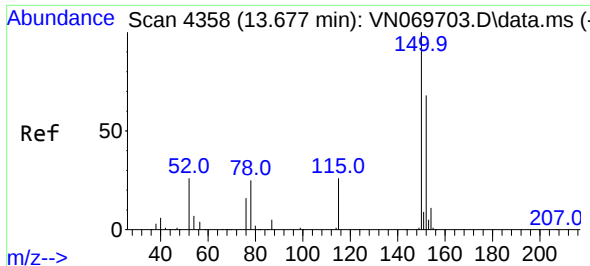


#71
Bromoform
Concen: 2.777 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Tgt Ion:173 Resp: 795

Ion	Ratio	Lower	Upper
173	100		
175	8824.8	24.2	72.6#
254	0.0	0.0	0.0

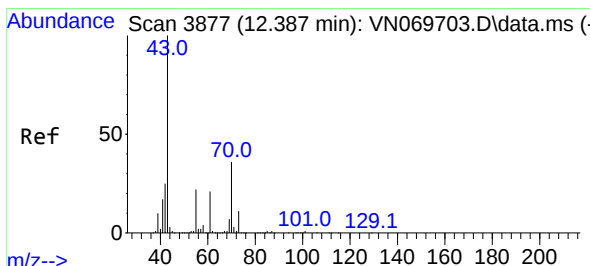
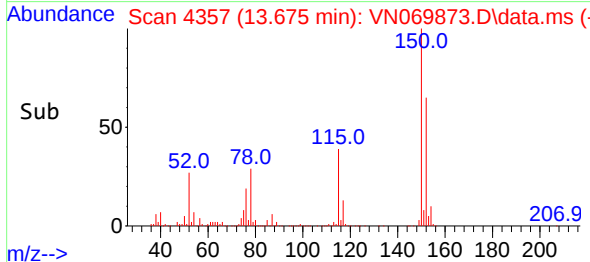
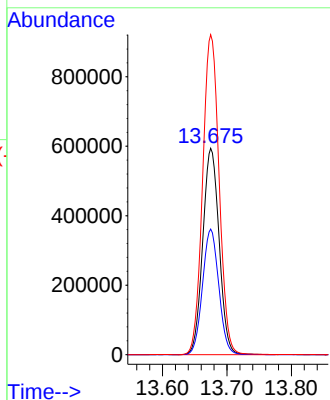
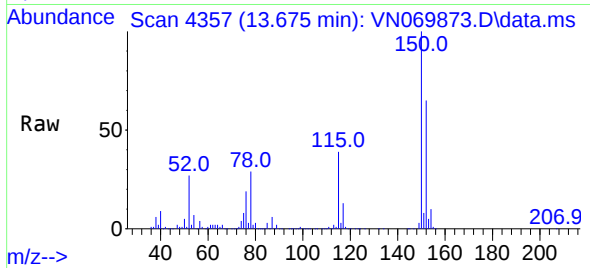




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

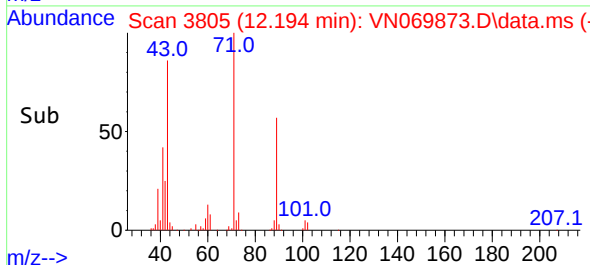
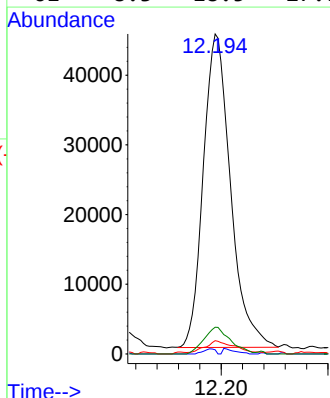
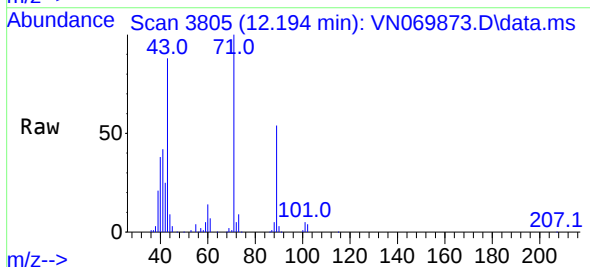
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

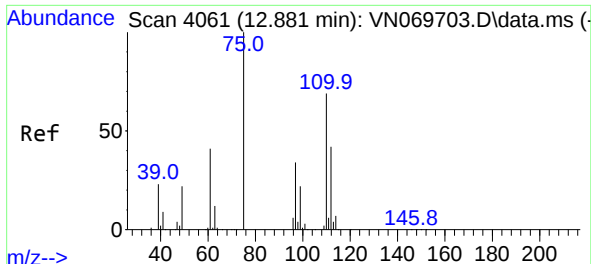
Tgt Ion:152 Resp: 1046508
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 156.0 0.0 344.4



#74
N-ethyl acetate
Concen: 1.936 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.193 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Tgt Ion: 43 Resp: 79729
Ion Ratio Lower Upper
43 100
70 0.7 33.4 50.0#
55 4.3 19.3 28.9#
61 8.3 18.5 27.7#

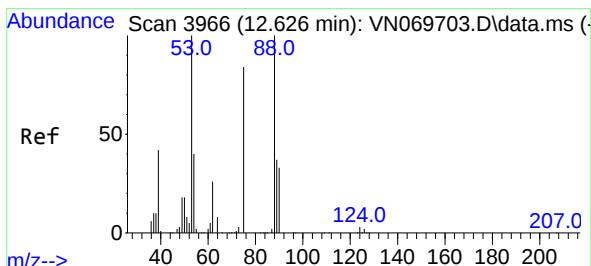
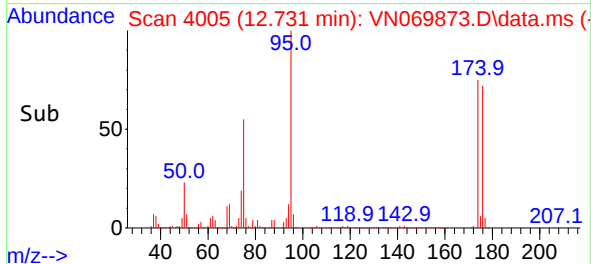
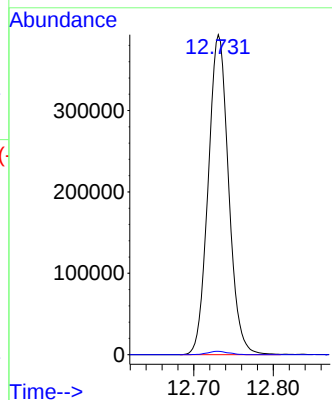
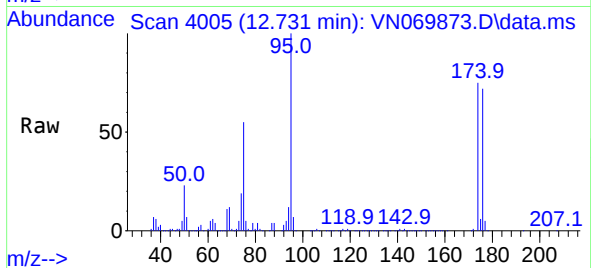




#76
1,2,3-Trichloropropane
Concen: 23.324 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

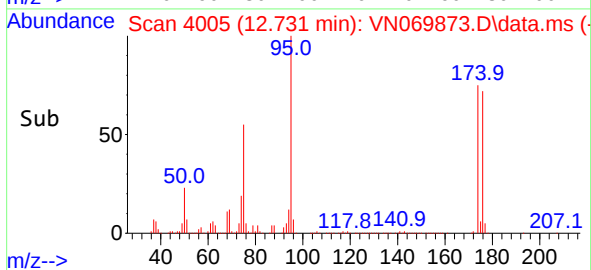
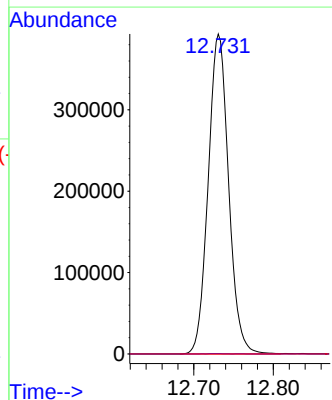
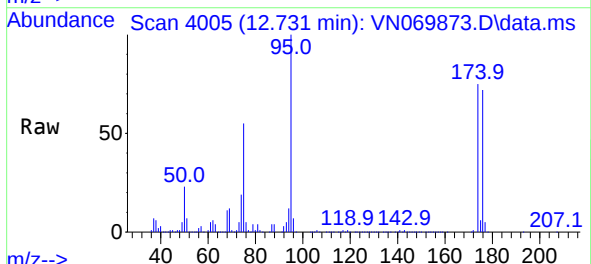
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

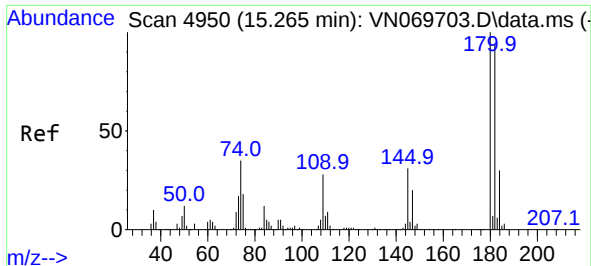
Tgt Ion: 75 Resp: 699983
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.197 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

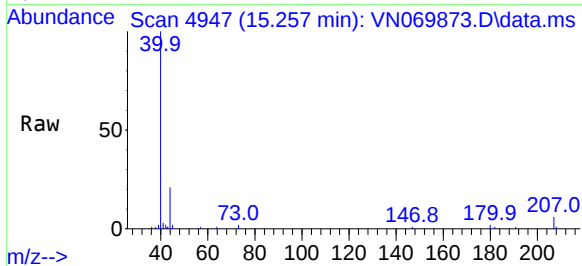
Tgt Ion: 75 Resp: 699983
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



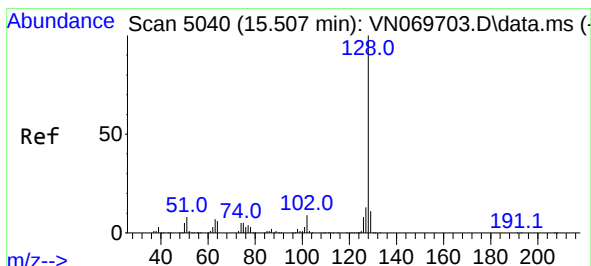
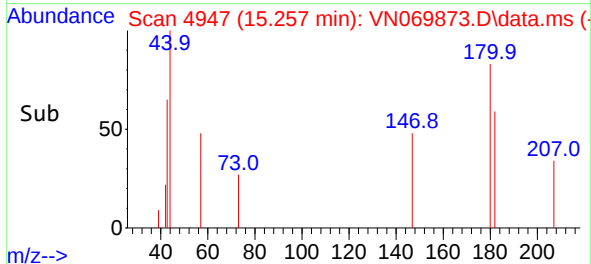
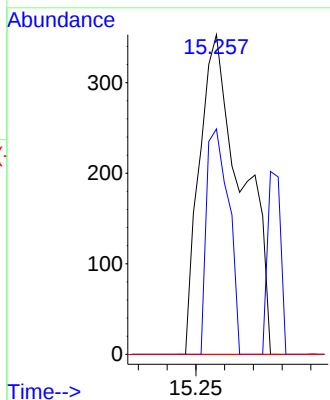


#93
1,2,4-Trichlorobenzene
Concen: 2.898 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#04

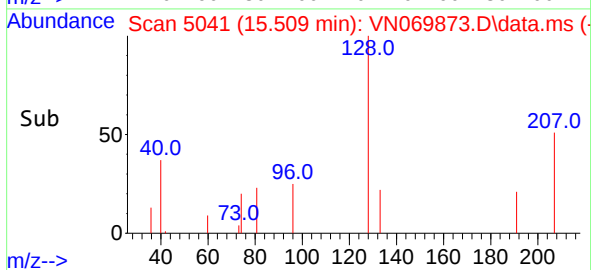
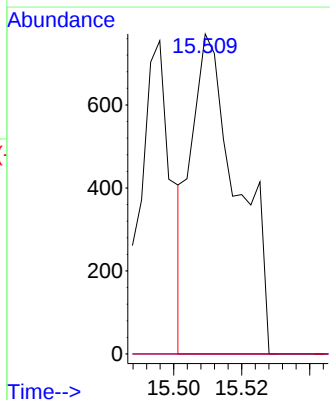
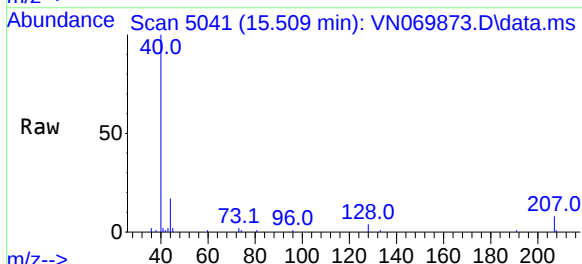


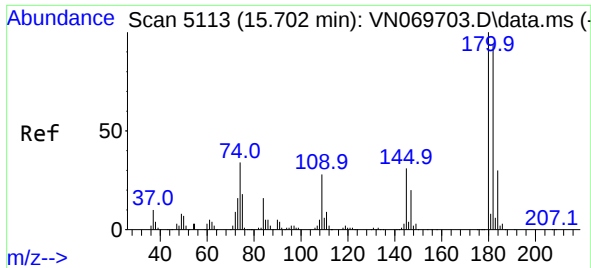
Tgt Ion:180 Resp: 364
Ion Ratio Lower Upper
180 100
182 36.5 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.998 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069873.D
Acq: 8 Dec 2021 20:18

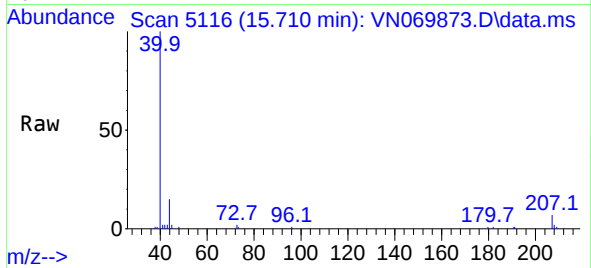
Tgt Ion:128 Resp: 735
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.439 ug/l
 RT: 15.710 min Scan# 51
 Delta R.T. 0.008 min
 Lab File: VN069873.D
 Acq: 8 Dec 2021 20:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#04



Tgt Ion:180 Resp: 57
 Ion Ratio Lower Upper
 180 100
 182 245.6 47.4 142.2#
 145 0.0 15.0 45.1#

