

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069872.D
 Acq On : 8 Dec 2021 19:53
 Operator : JC/MD
 Sample : PB141231ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#03

Quant Time: Dec 09 11:46:16 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)

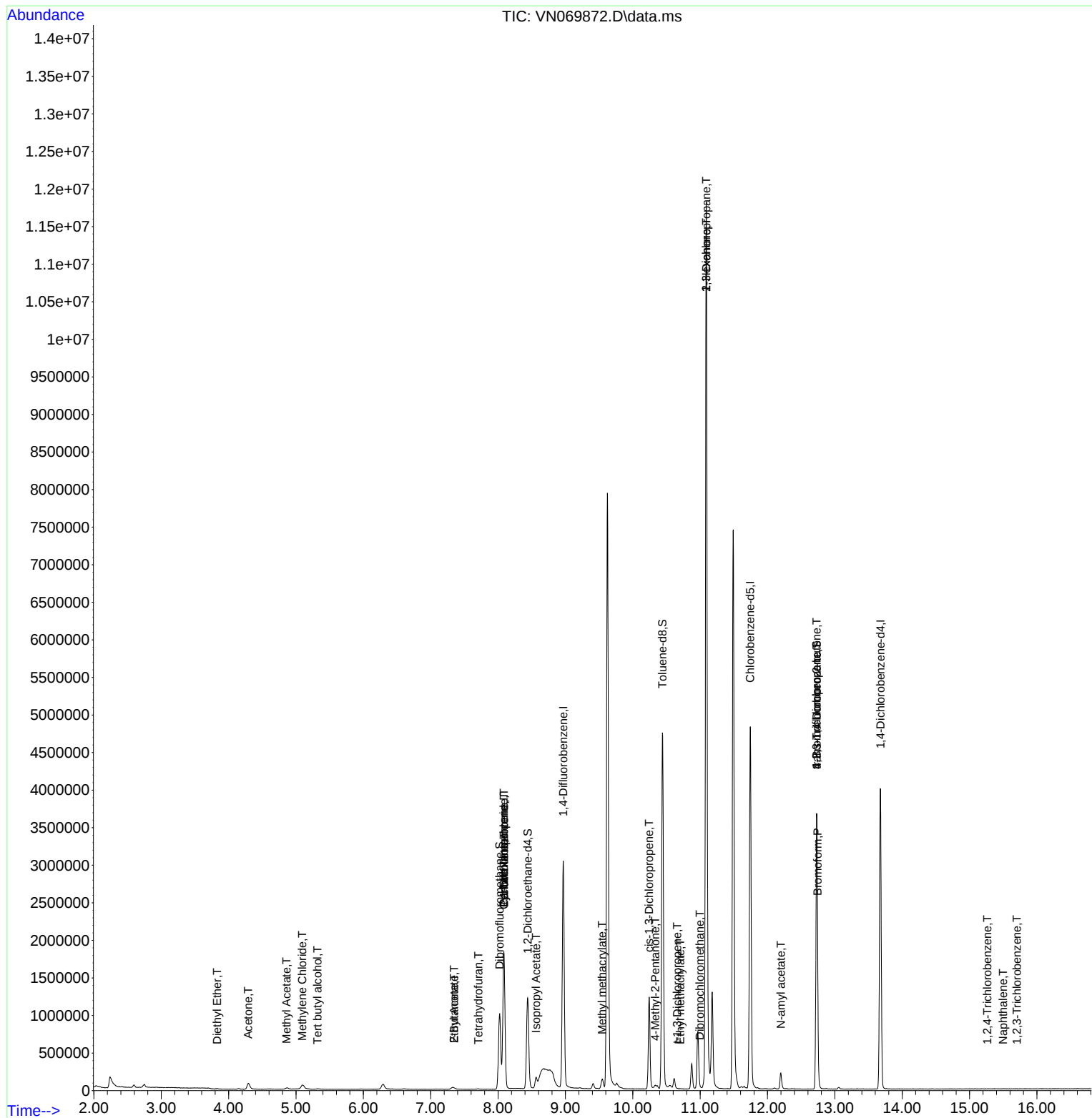
Internal Standards						
1) Pentafluorobenzene	8.086	168	1336253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2497959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2694868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1065329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1058010	51.281	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.560%			
35) Dibromofluoromethane	8.024	113	732501	46.815	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.640%			
50) Toluene-d8	10.440	98	3238396	51.545	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.731	95	1265811	55.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.220%			
Target Compounds						Qvalue
8) Diethyl Ether	3.829	74	2931	0.323	ug/l #	50
11) Tert butyl alcohol	5.318	59	3277	0.840	ug/l #	71
16) Acetone	4.291	43	151286	12.190	ug/l	92
18) Methyl Acetate	4.859	43	18595	0.496	ug/l #	70
20) Methylene Chloride	5.093	84	37335	2.263	ug/l	90
25) 2-Butanone	7.345	43	24650	1.462	ug/l #	87
29) Tetrahydrofuran	7.707	42	4962	0.485	ug/l #	72
31) Cyclohexane	8.088	56	34603	1.205	ug/l #	21
36) 1,1-Dichloropropene	8.086	75	115499	4.857	ug/l #	49
37) Ethyl Acetate	7.345	43	24650	0.696	ug/l #	76
38) Carbon Tetrachloride	8.086	117	137161	5.882	ug/l #	16
43) Isopropyl Acetate	8.563	43	176278	3.366	ug/l #	82
48) Methyl methacrylate	9.545	41	37079	1.517	ug/l #	8
51) 4-Methyl-2-Pentanone	10.333	43	20310	0.598	ug/l #	82
53) t-1,3-Dichloropropene	10.660	75	122	2.798	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	191506	8.007	ug/l #	71
56) Ethyl methacrylate	10.703	69	765	2.301	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	118033	3.744	ug/l #	43
59) 2-Hexanone	11.089	43	2107652	82.000	ug/l #	48
60) Dibromochloromethane	10.996	129	82	2.380	ug/l #	11
71) Bromoform	12.744	173	1907	2.840	ug/l #	1
74) N-amyl acetate	12.197	43	80760	1.927	ug/l #	53
76) 1,2,3-Trichloropropane	12.731	75	702654	22.999	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	702654	73.221	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	252	2.892	ug/l #	21
95) Naphthalene	15.499	128	749	3.998	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.702	180	55	2.439	ug/l #	73

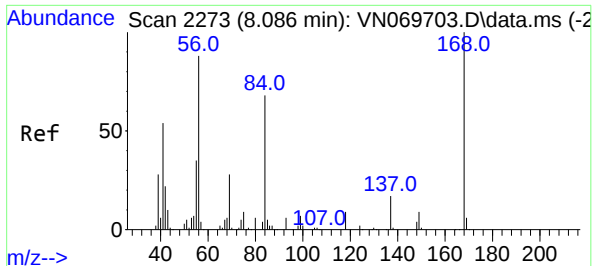
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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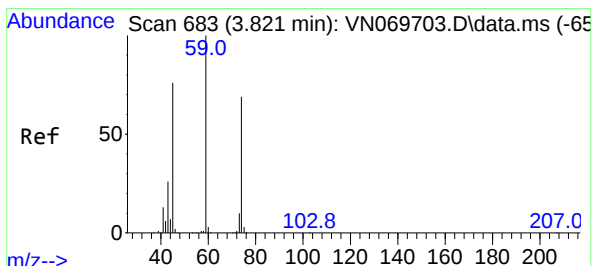
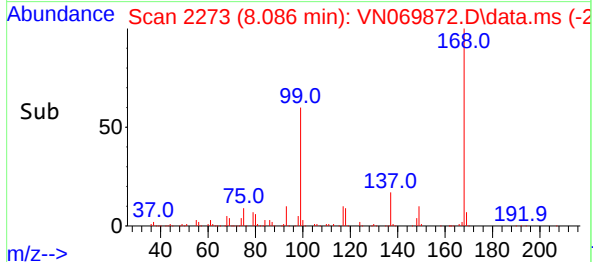
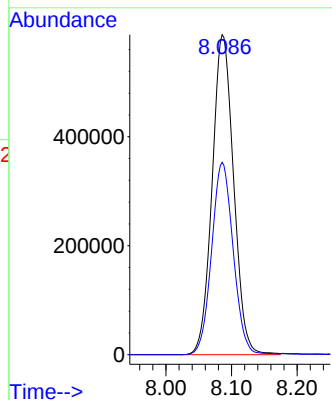
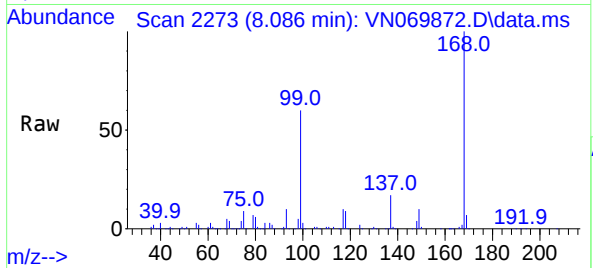




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

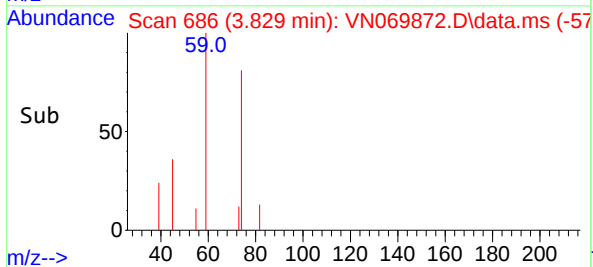
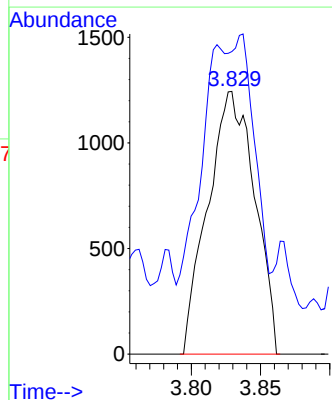
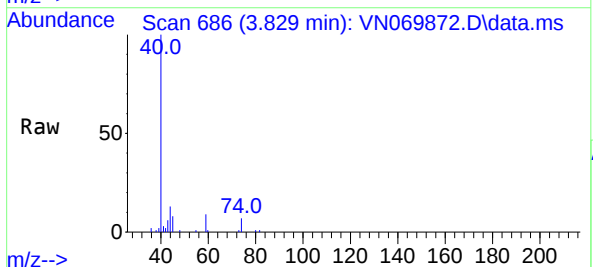
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

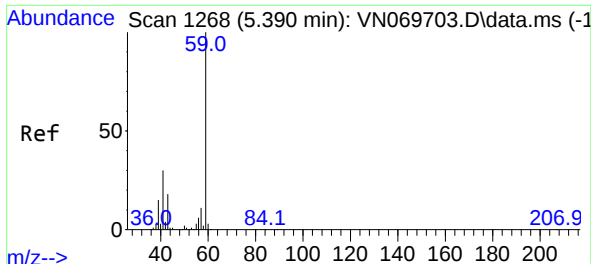
Tgt Ion:168 Resp: 1336253
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#8
Diethyl Ether
Concen: 0.323 ug/l
RT: 3.829 min Scan# 686
Delta R.T. 0.008 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 74 Resp: 2931
Ion Ratio Lower Upper
74 100
45 45.7 47.0 141.2#

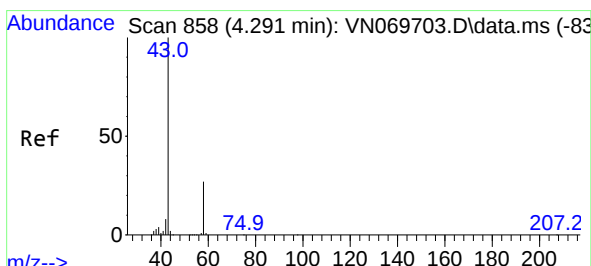
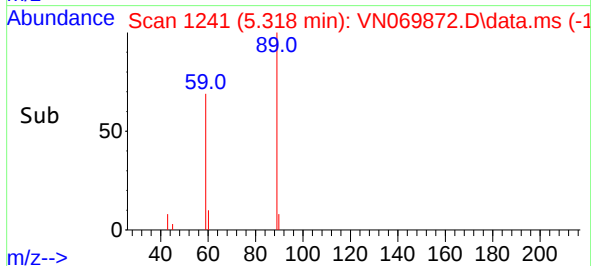
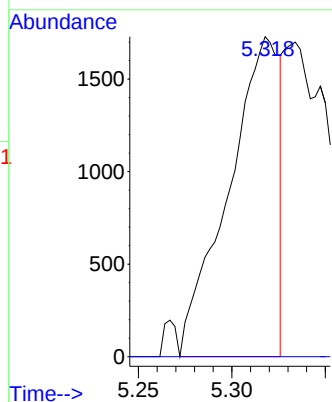
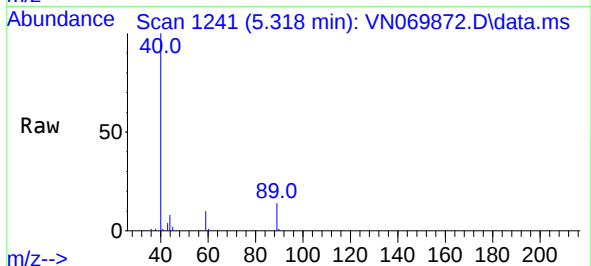




#11
Tert butyl alcohol
Concen: 0.840 ug/l
RT: 5.318 min Scan# 11
Delta R.T. -0.072 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

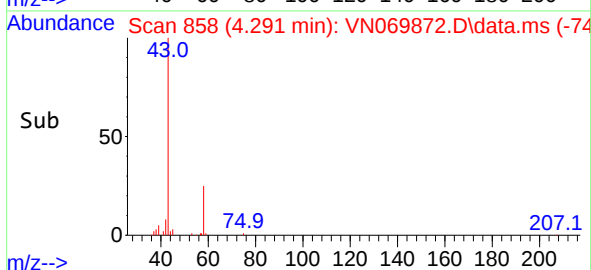
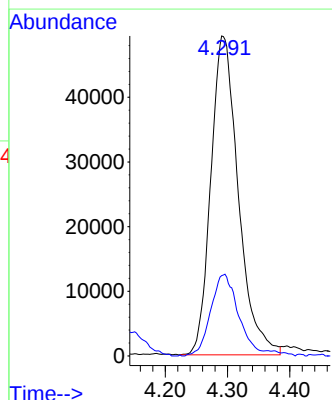
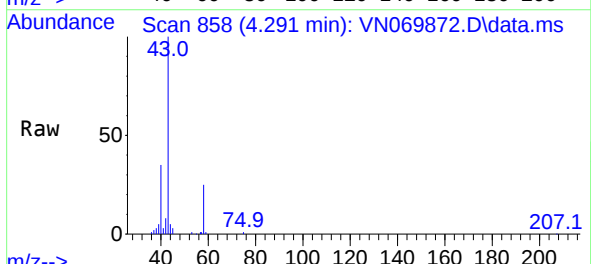
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

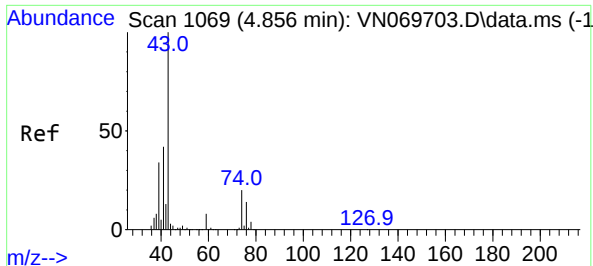
Tgt Ion: 59 Resp: 3277
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 12.190 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 43 Resp: 151286
Ion Ratio Lower Upper
43 100
58 24.8 23.1 34.7

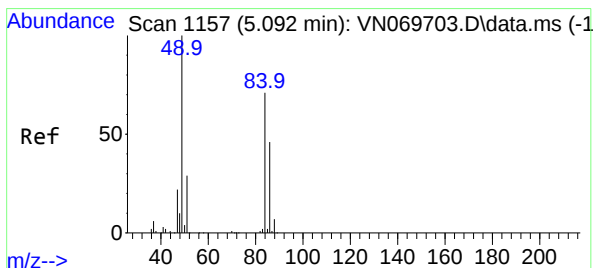
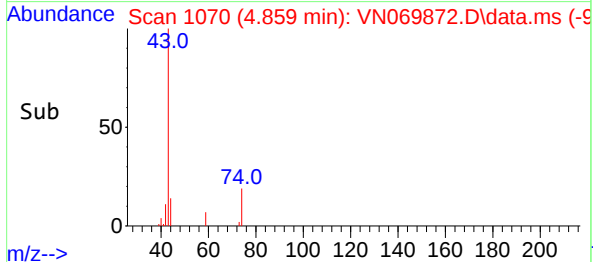
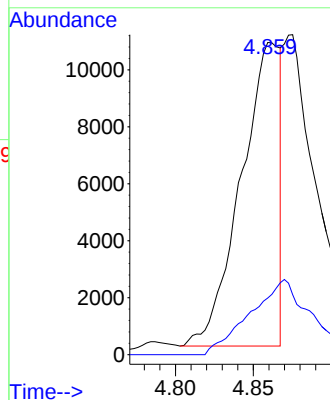
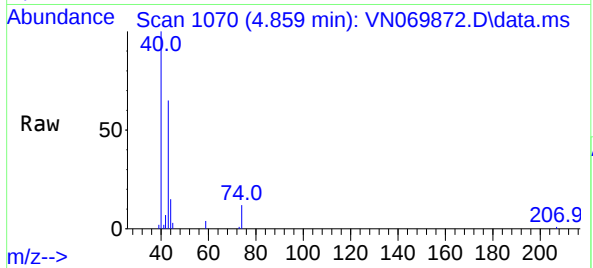




#18
Methyl Acetate
Concen: 0.496 ug/l
RT: 4.859 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

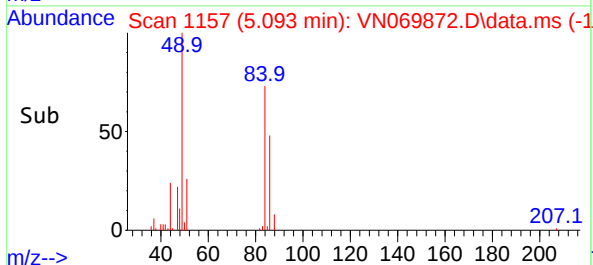
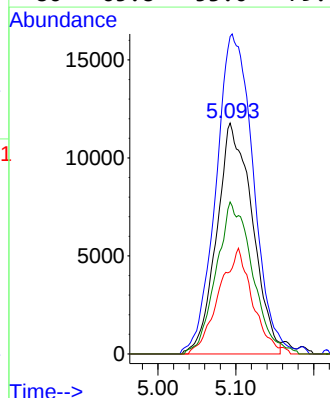
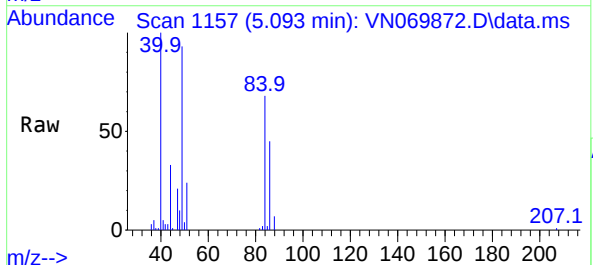
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

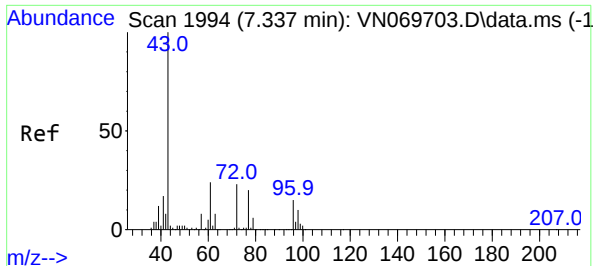
Tgt Ion: 43 Resp: 18595
Ion Ratio Lower Upper
43 100
74 39.4 19.4 29.2#



#20
Methylene Chloride
Concen: 2.263 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 84 Resp: 37335
Ion Ratio Lower Upper
84 100
49 137.5 93.5 140.3
51 35.6 29.4 44.2
86 65.8 53.0 79.4

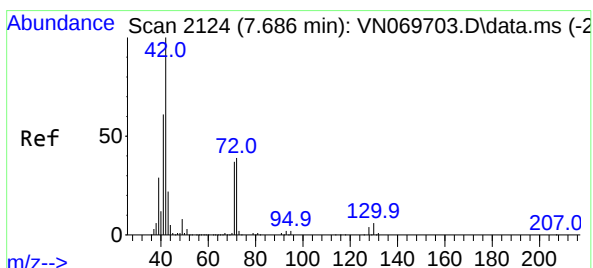
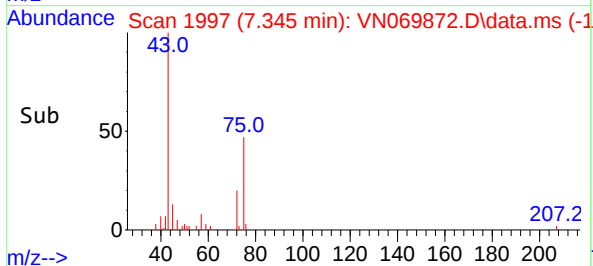
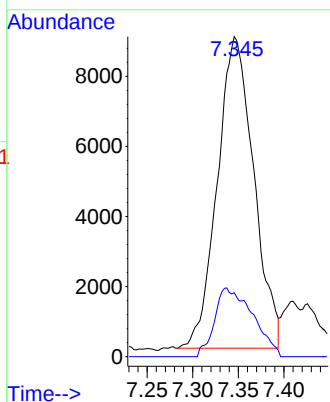
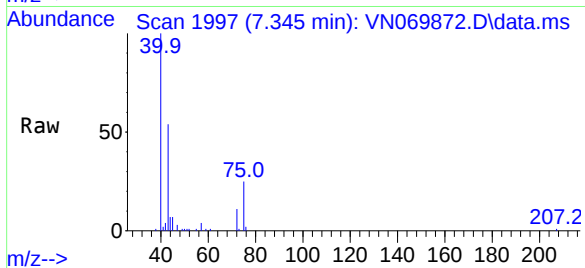




#25
2-Butanone
Concen: 1.462 ug/l
RT: 7.345 min Scan# 1994
Delta R.T. 0.008 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

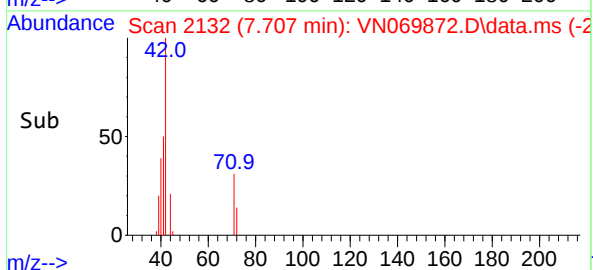
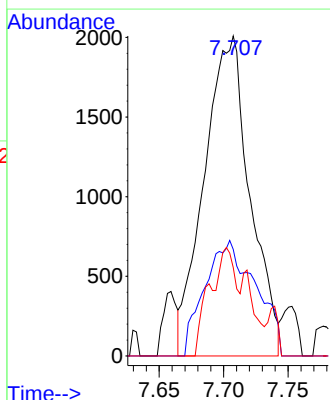
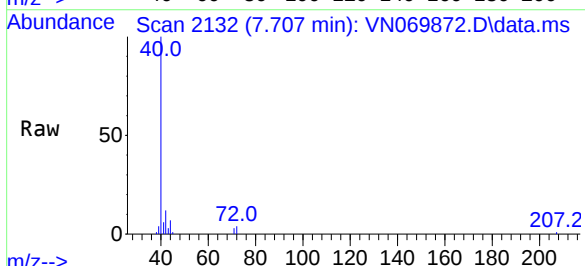
Instrument :
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PB141231ZHE#03

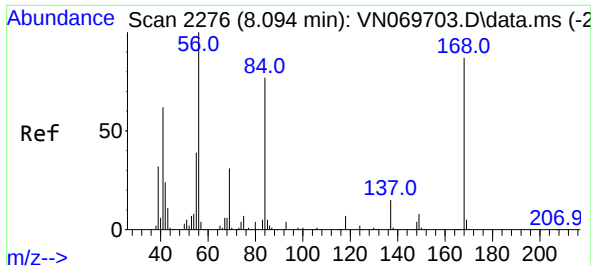
Tgt Ion: 43 Resp: 24650
Ion Ratio Lower Upper
43 100
72 20.5 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.485 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.022 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

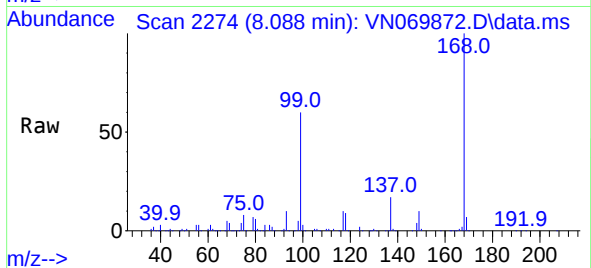
Tgt Ion: 42 Resp: 4962
Ion Ratio Lower Upper
42 100
72 40.1 36.3 54.5
71 12.6 34.7 52.1#



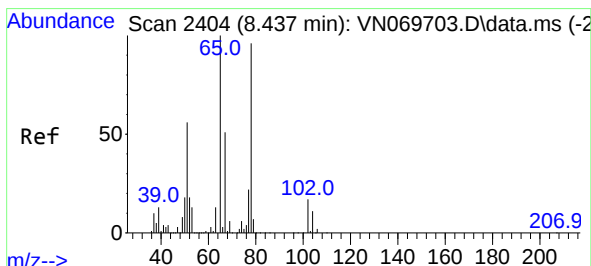
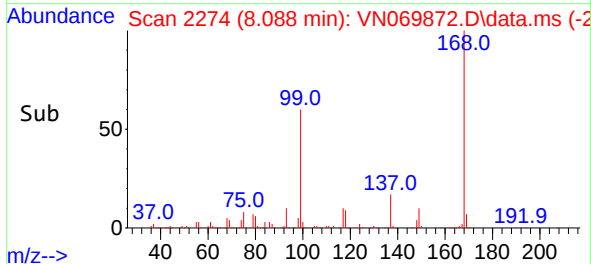
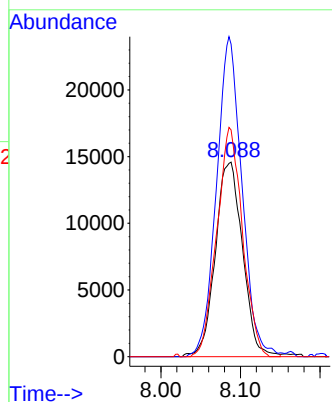


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :
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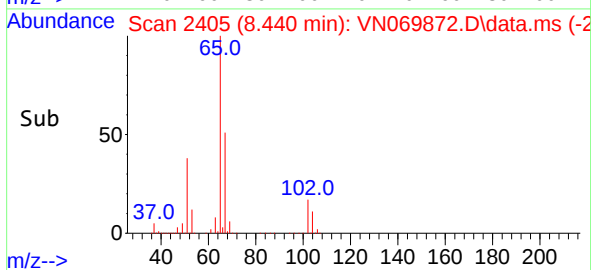
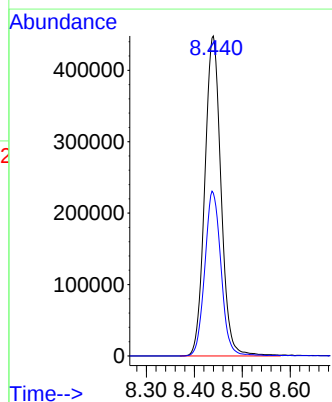
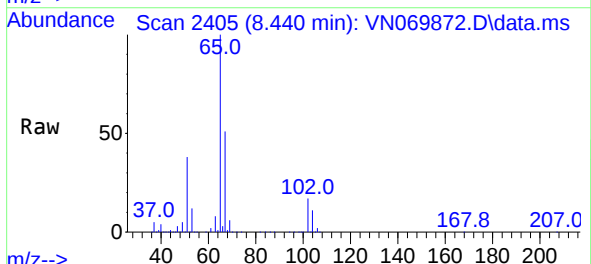


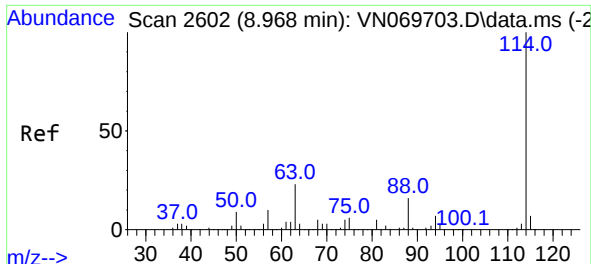
Tgt Ion: 56 Resp: 34603
Ion Ratio Lower Upper
56 100
69 160.5 27.1 40.7#
84 116.5 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.281 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 65 Resp: 1058010
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0

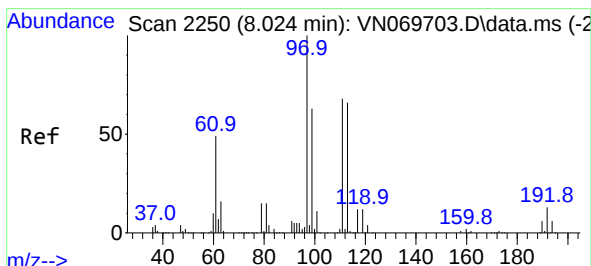
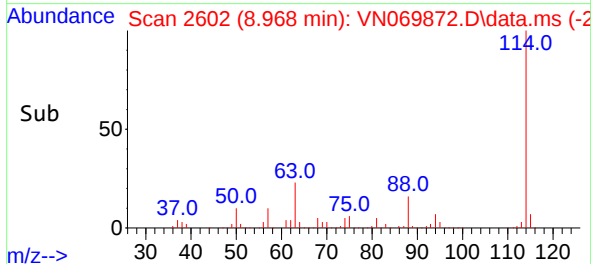
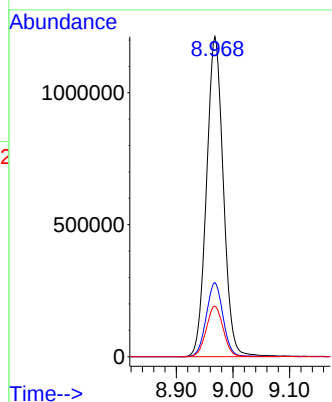
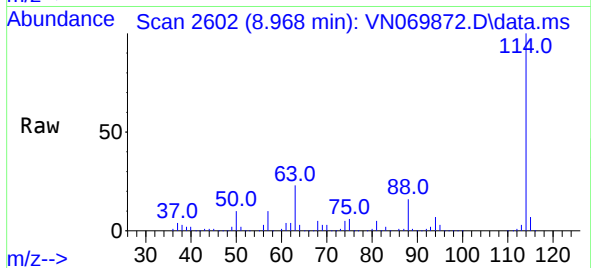




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

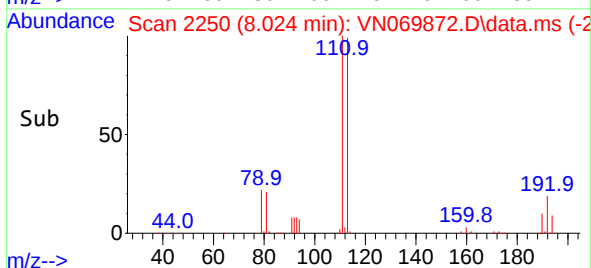
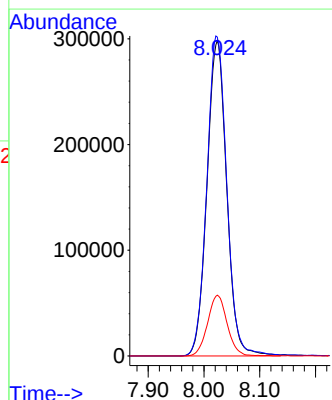
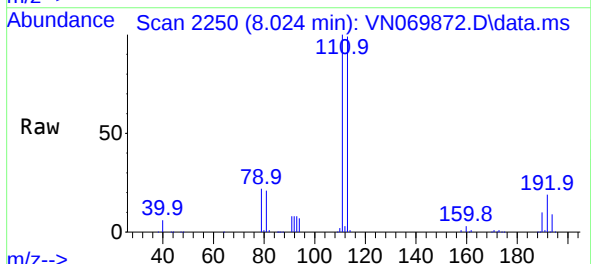
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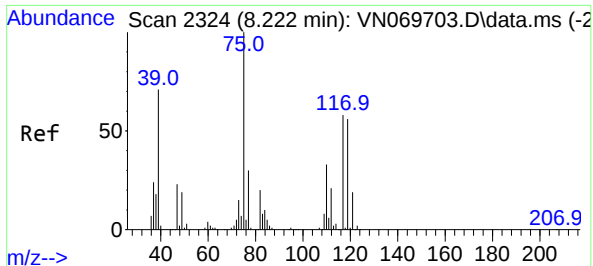
Tgt Ion:114 Resp: 2497959
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 15.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.815 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion:113 Resp: 732501
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.2 16.9 25.3

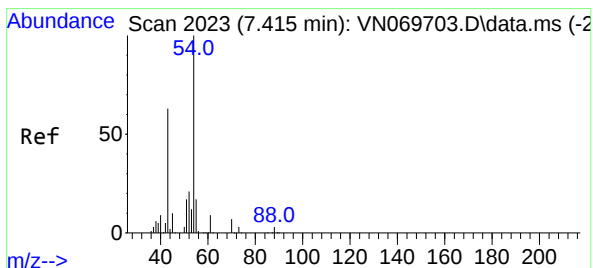
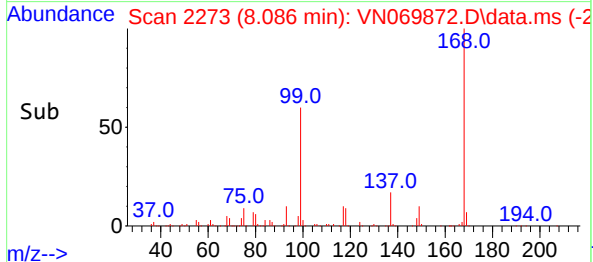
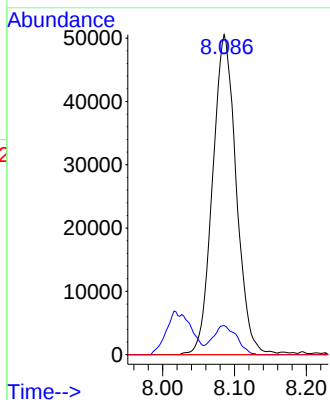
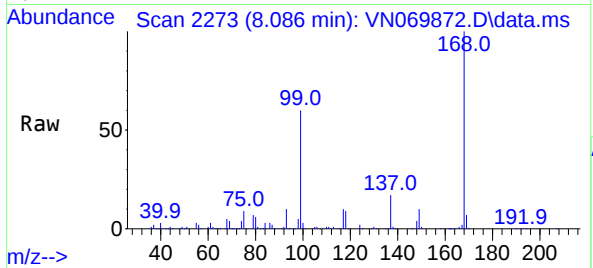




#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

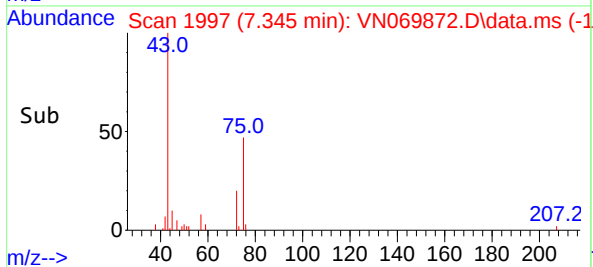
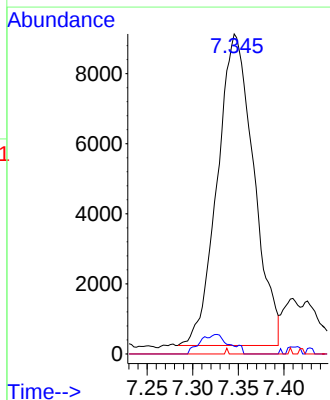
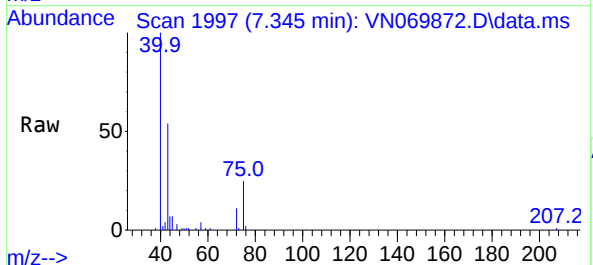
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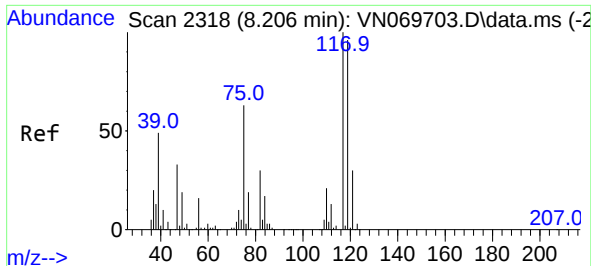
Tgt Ion: 75 Resp: 115499
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.696 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.070 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

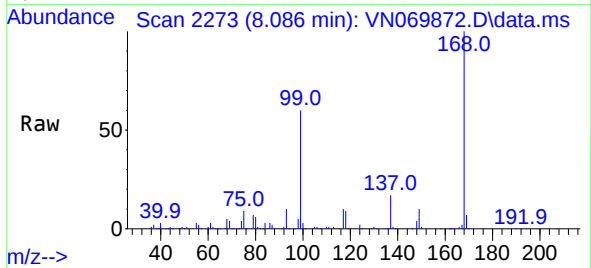
Tgt Ion: 43 Resp: 24650
Ion Ratio Lower Upper
43 100
61 5.0 11.5 17.3#
70 0.1 7.9 11.9#



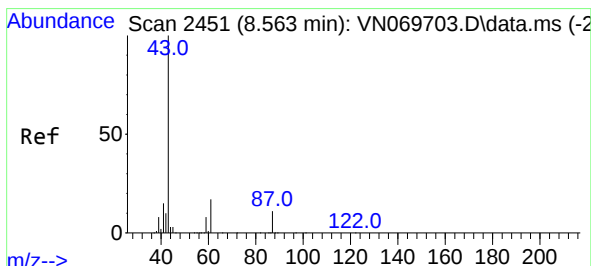
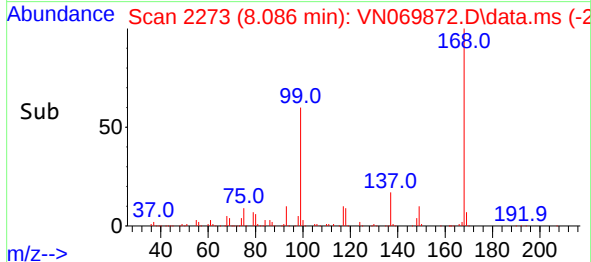
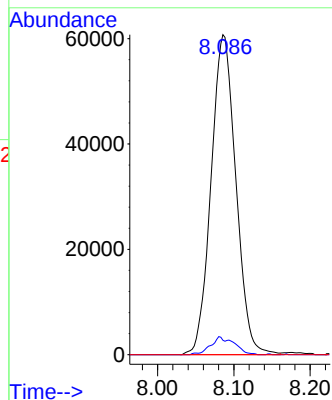


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

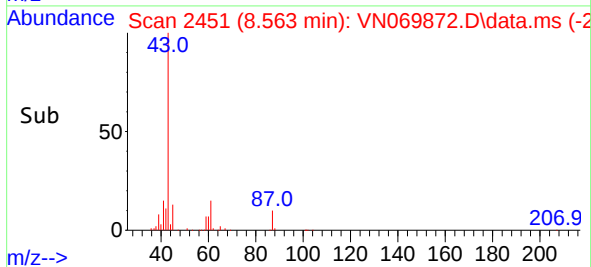
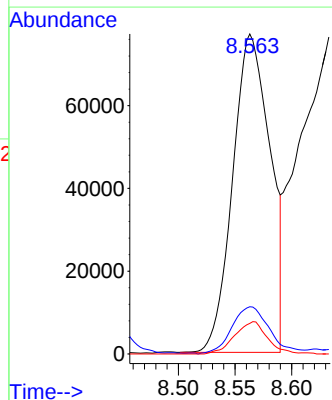
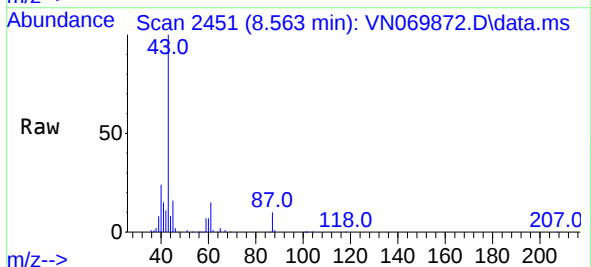


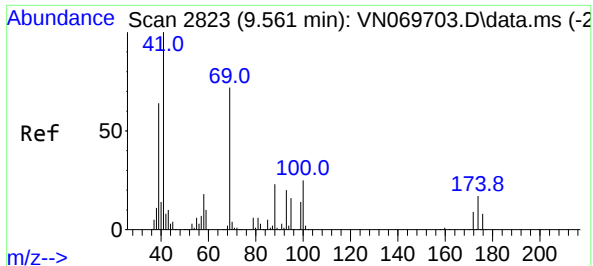
Tgt Ion:117 Resp: 137161
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.366 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 43 Resp: 176278
Ion Ratio Lower Upper
43 100
61 15.0 20.4 30.6#
87 8.9 11.2 16.8#

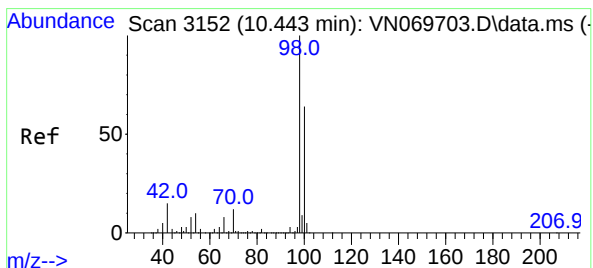
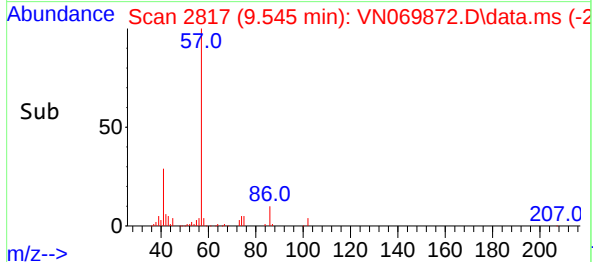
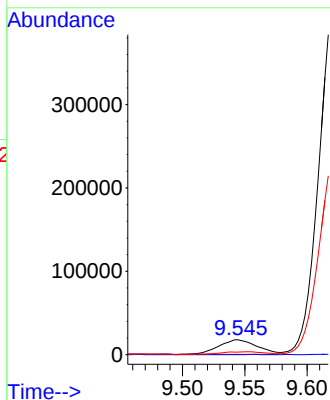
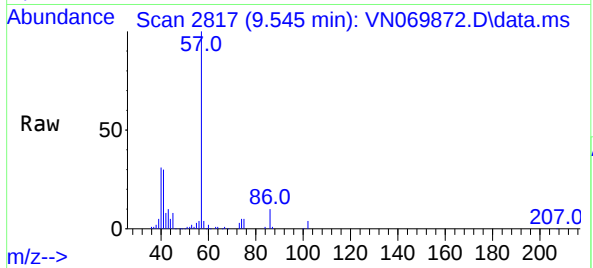




#48
Methyl methacrylate
Concen: 1.517 ug/l
RT: 9.545 min Scan# 214
Delta R.T. -0.016 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

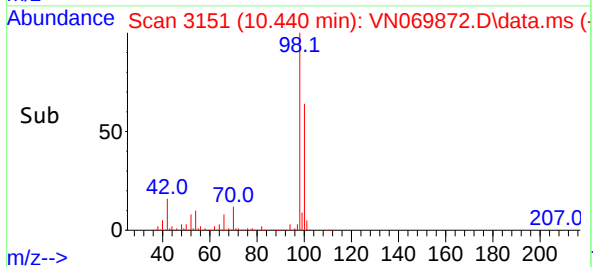
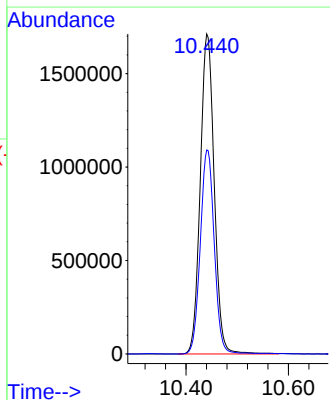
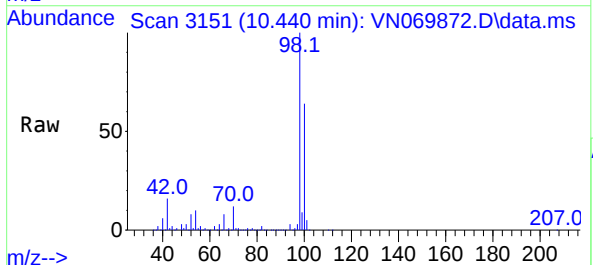
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

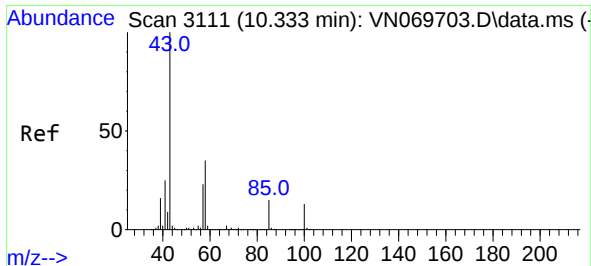
Tgt Ion: 41 Resp: 37079
Ion Ratio Lower Upper
41 100
69 0.5 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 51.545 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 98 Resp: 3238396
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6

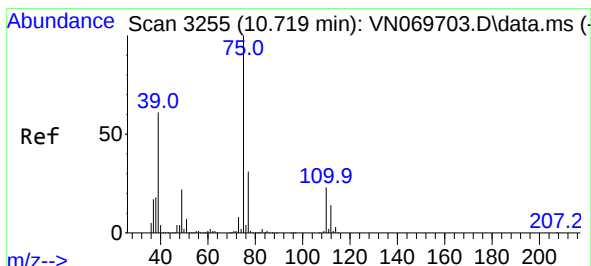
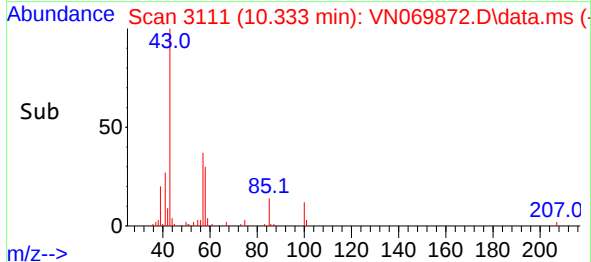
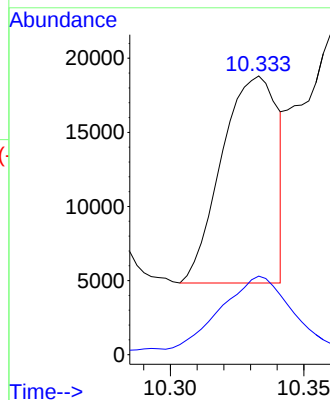
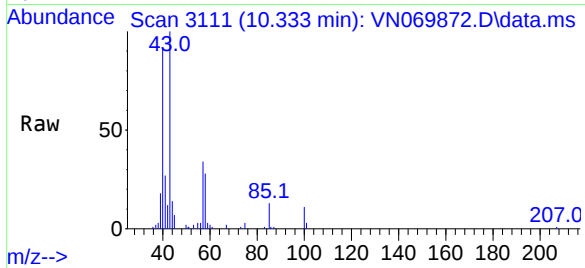




#51
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

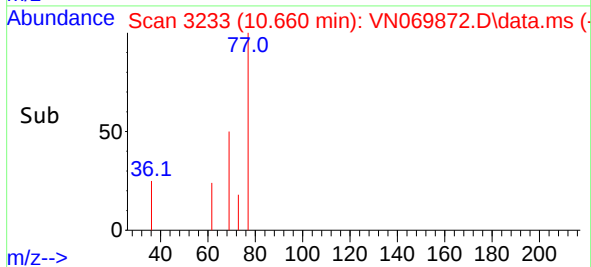
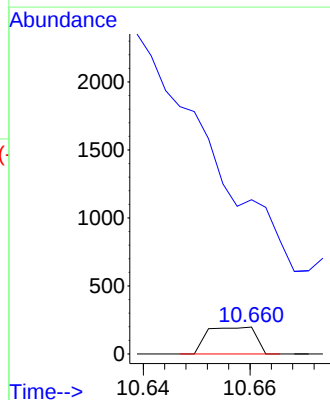
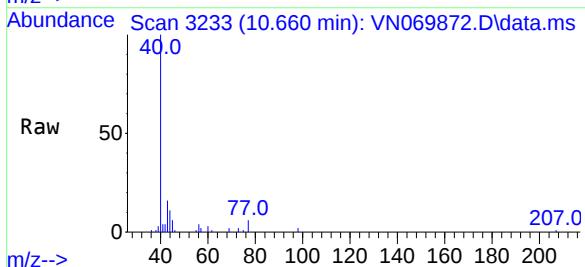
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

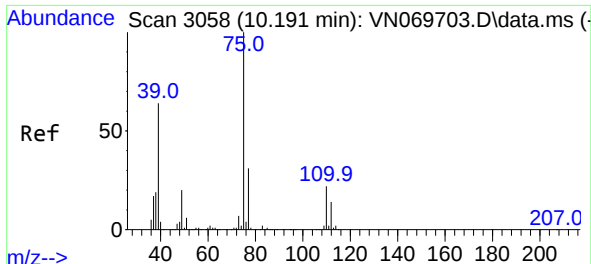
Tgt Ion: 43 Resp: 20310
Ion Ratio Lower Upper
43 100
58 48.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.660 min Scan# 3233
Delta R.T. -0.059 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 75 Resp: 122
Ion Ratio Lower Upper
75 100
77 154.3 25.6 38.4#

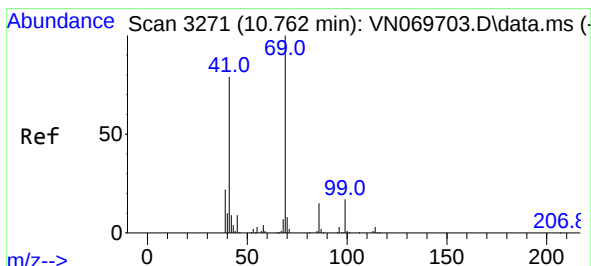
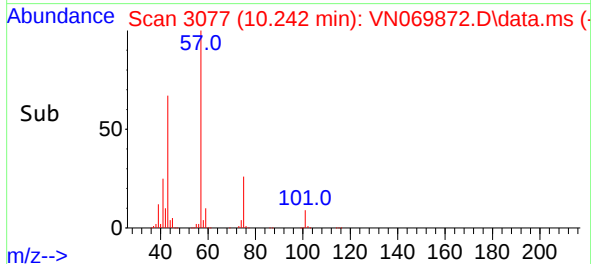
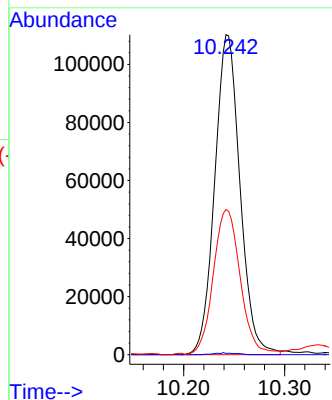
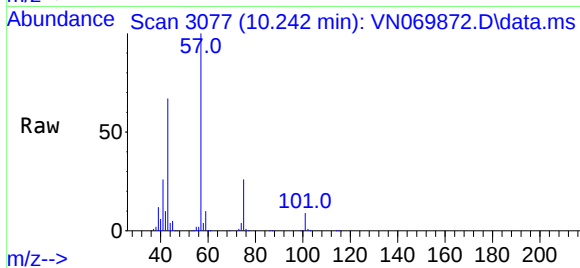




#54
cis-1,3-Dichloropropene
Concen: 8.007 ug/l
RT: 10.242 min Scan# 3058
Delta R.T. 0.051 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

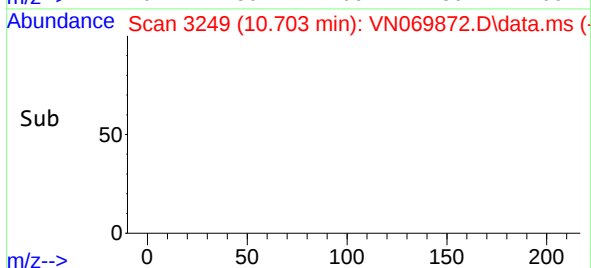
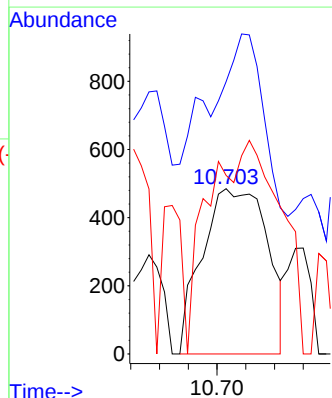
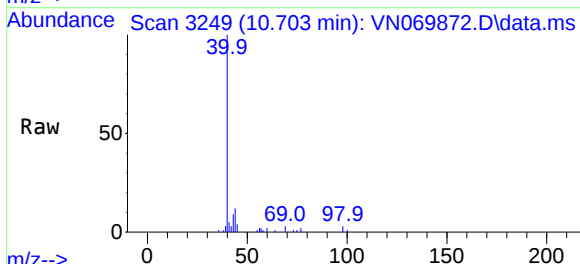
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

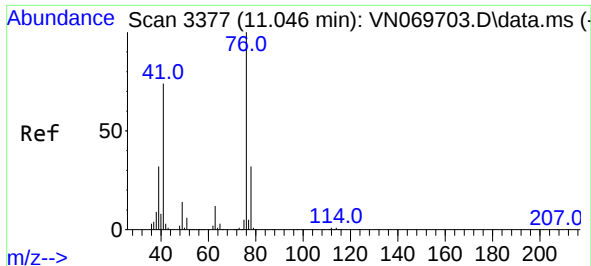
Tgt Ion: 75 Resp: 191506
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 44.9 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.301 ug/l
RT: 10.703 min Scan# 3249
Delta R.T. -0.059 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 69 Resp: 765
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: 3.744 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.043 min

Lab File: VN069872.D

Acq: 8 Dec 2021 19:53

Instrument :

MSVOA_N

ClientSampleId :

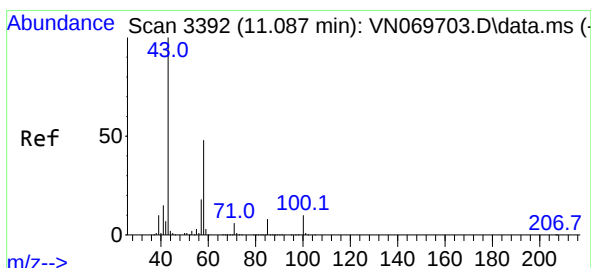
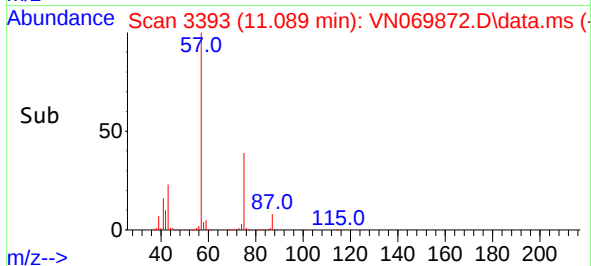
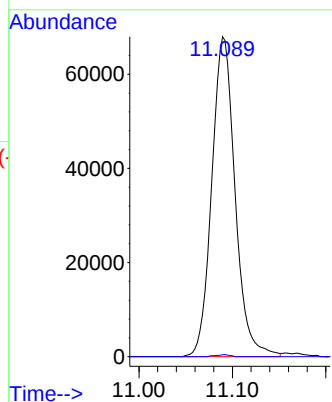
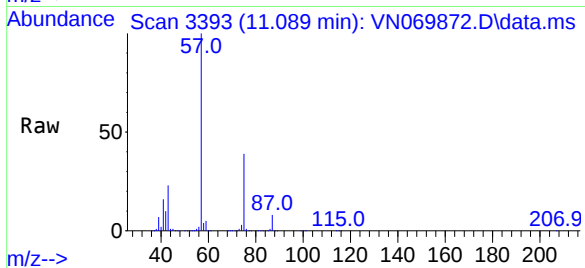
PB141231ZHE#03

Tgt Ion: 76 Resp: 118033

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 82.000 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.002 min

Lab File: VN069872.D

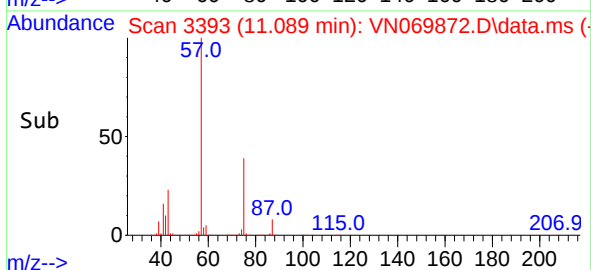
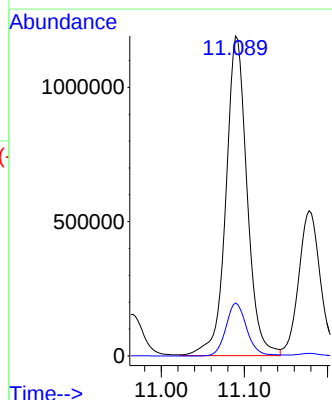
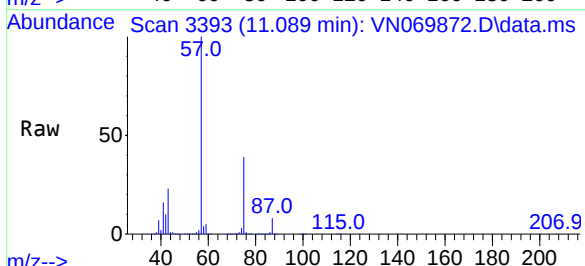
Acq: 8 Dec 2021 19:53

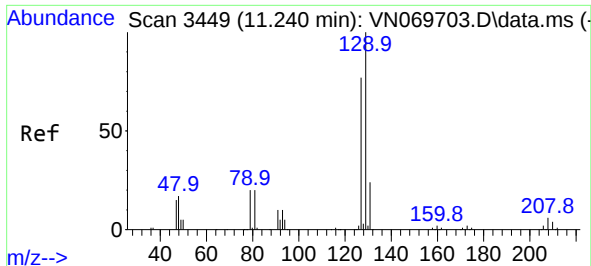
Tgt Ion: 43 Resp: 2107652

Ion Ratio Lower Upper

43 100

58 16.4 26.9 80.7#

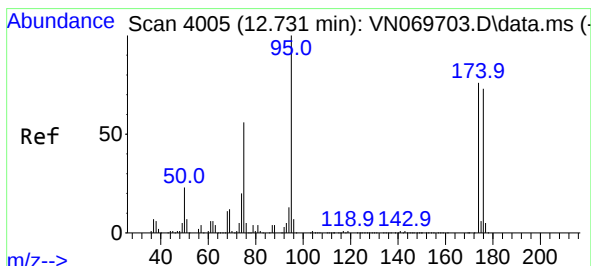
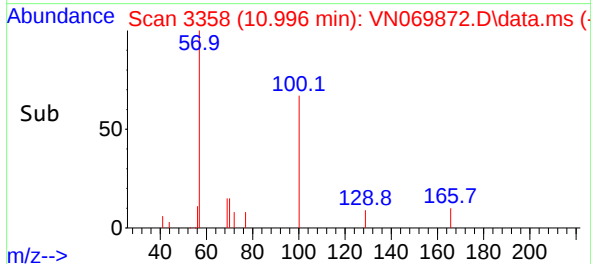
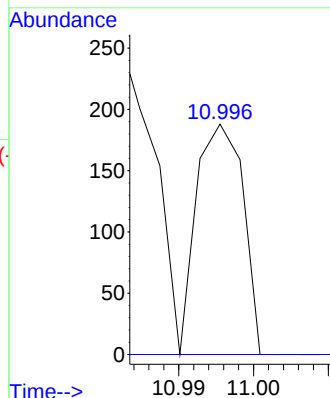
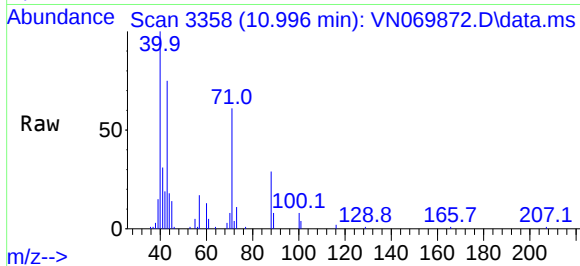




#60
Dibromochloromethane
Concen: 2.380 ug/l
RT: 10.996 min Scan# 31
Delta R.T. -0.244 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

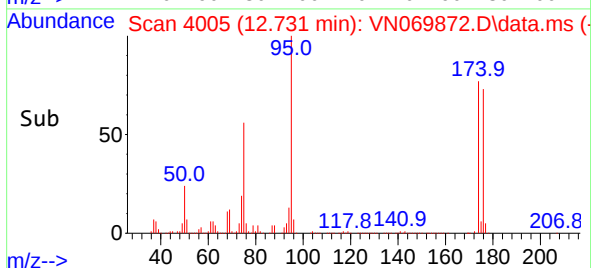
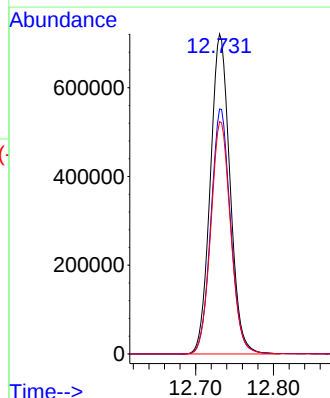
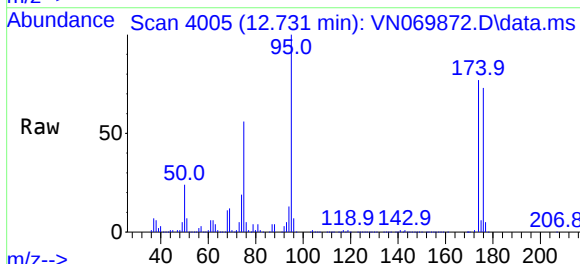
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

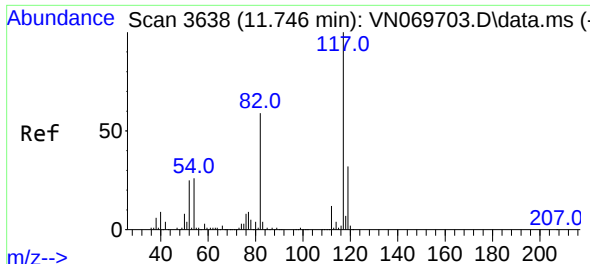
Tgt Ion:129 Resp: 82
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.614 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

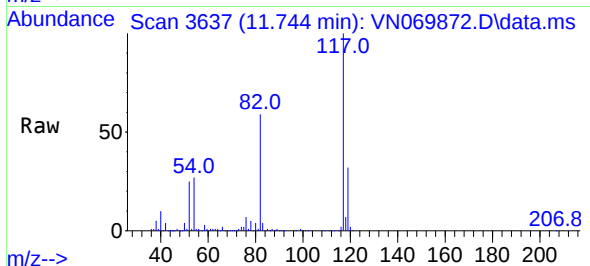
Tgt Ion: 95 Resp: 1265811
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.3 0.0 181.4



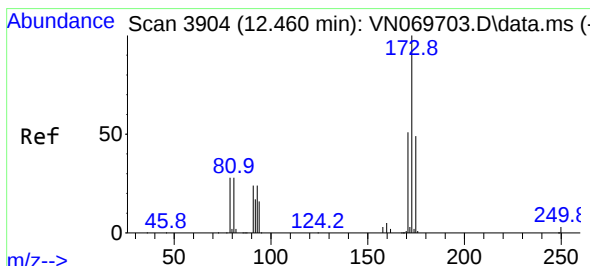
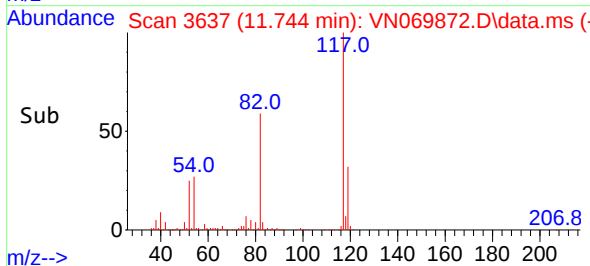
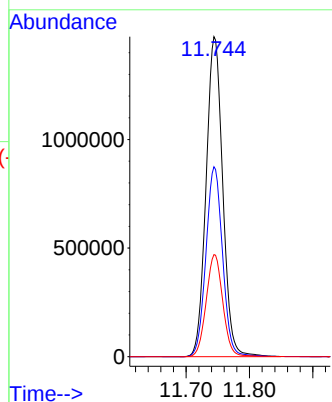


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

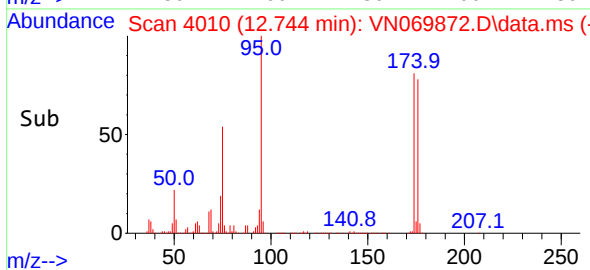
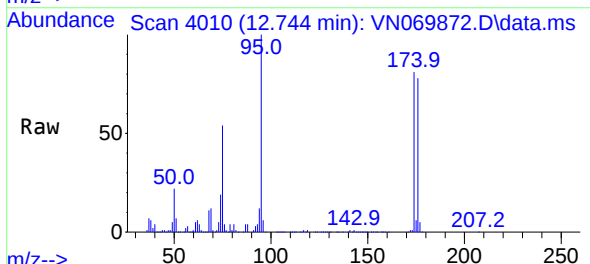
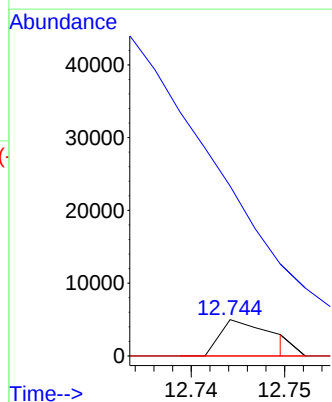


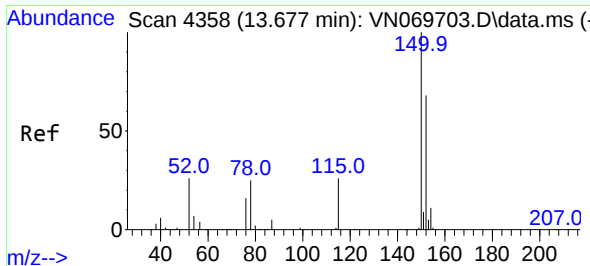
Tgt Ion:117 Resp: 2694868
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 2.840 ug/l
RT: 12.744 min Scan# 4010
Delta R.T. 0.284 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

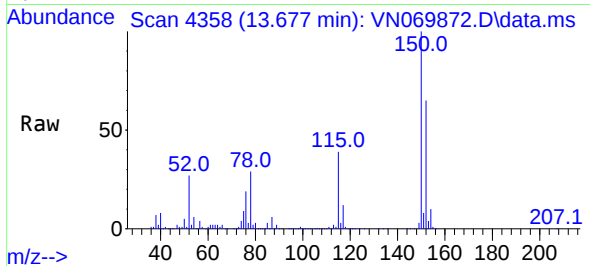
Tgt Ion:173 Resp: 1907
Ion Ratio Lower Upper
173 100
175 3667.2 24.2 72.6#
254 0.0 0.0 0.0



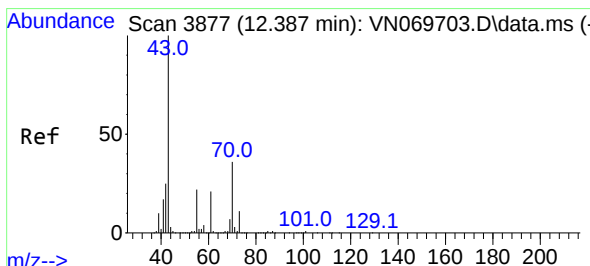
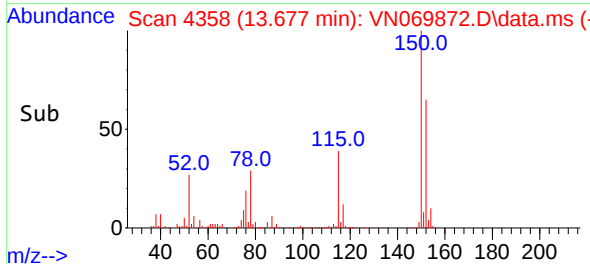
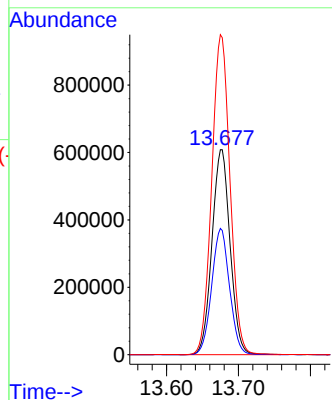


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

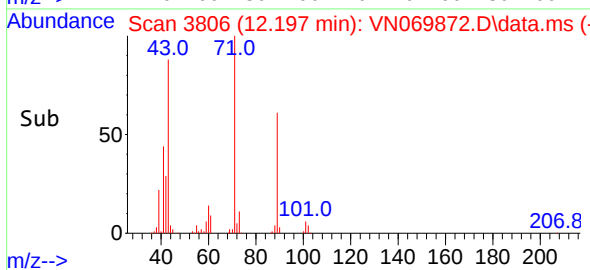
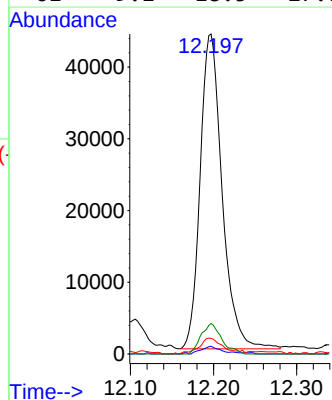
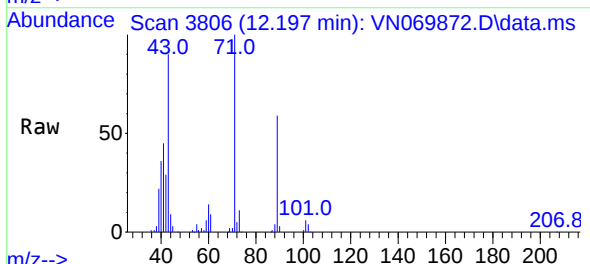


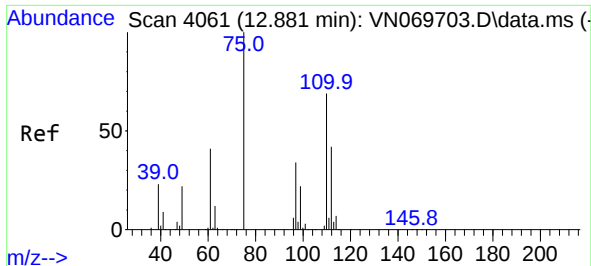
Tgt Ion:152 Resp: 1065329
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.1 0.0 344.4



#74
N-ethyl acetate
Concen: 1.927 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Tgt Ion: 43 Resp: 80760
Ion Ratio Lower Upper
43 100
70 2.0 33.4 50.0#
55 5.5 19.3 28.9#
61 9.1 18.5 27.7#

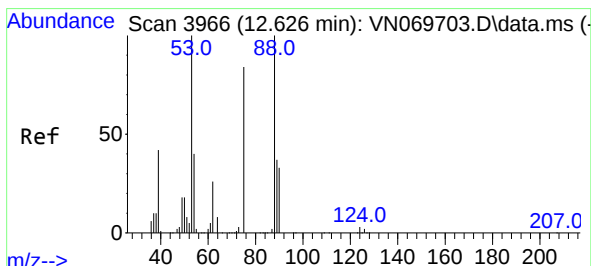
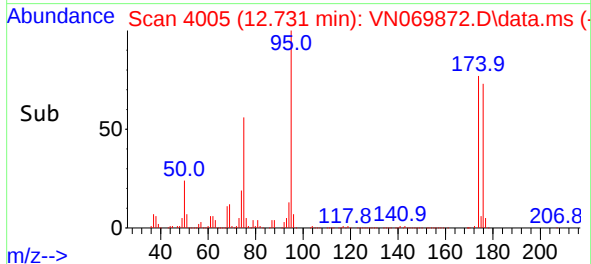
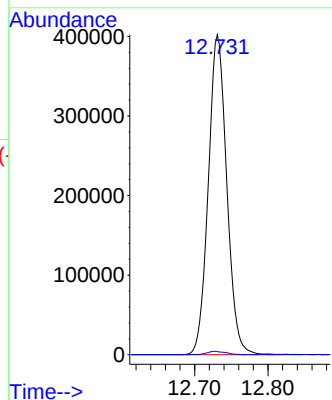
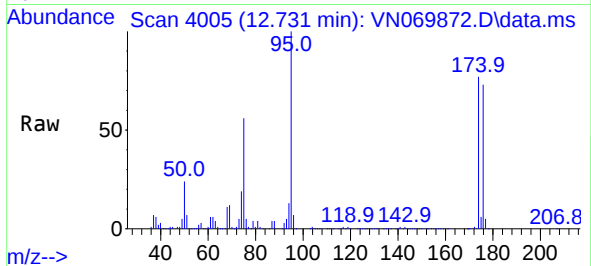




#76
1,2,3-Trichloropropane
Concen: 22.999 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

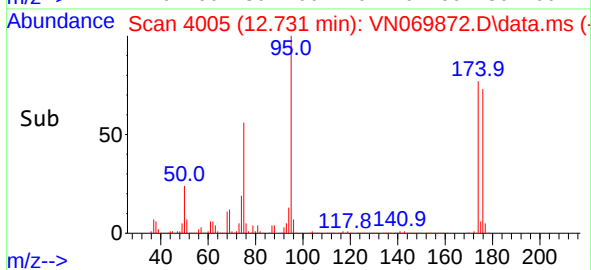
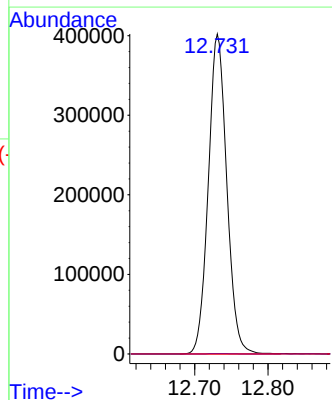
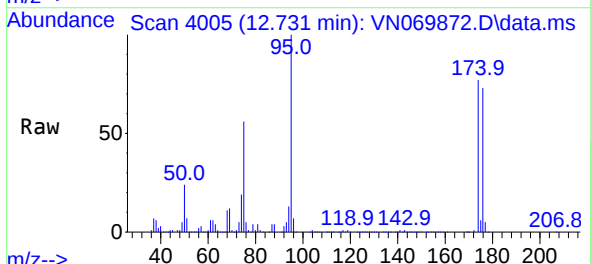
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

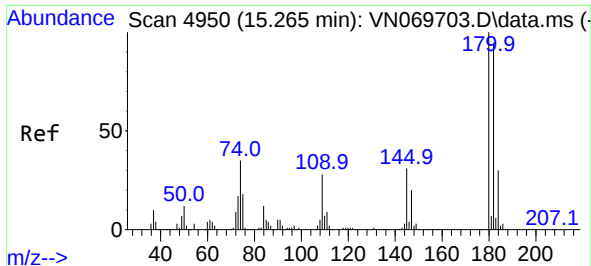
Tgt Ion: 75 Resp: 702654
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.221 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

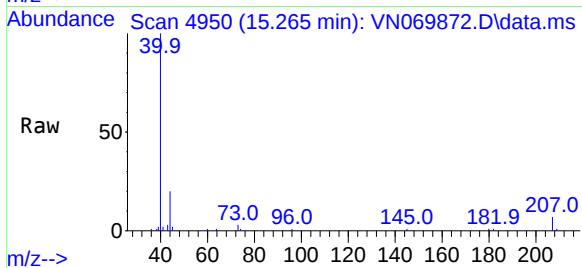
Tgt Ion: 75 Resp: 702654
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



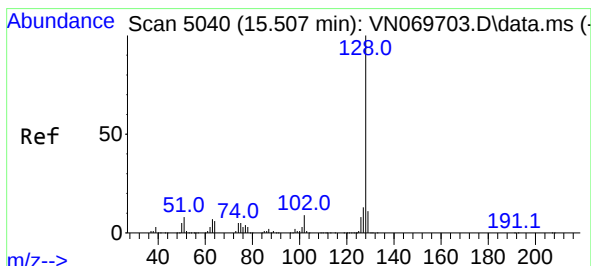
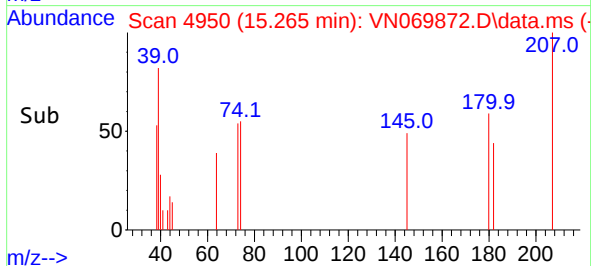
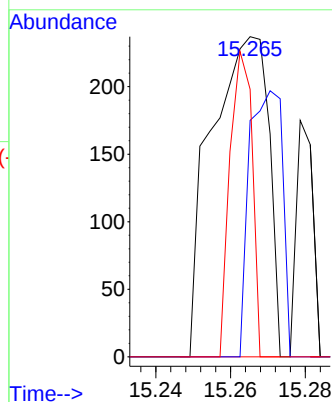


#93
1,2,4-Trichlorobenzene
Concen: 2.892 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03

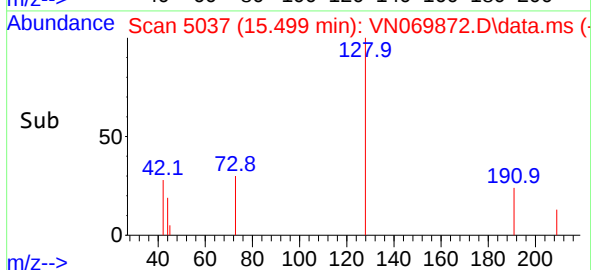
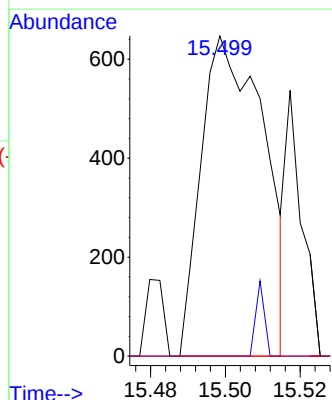
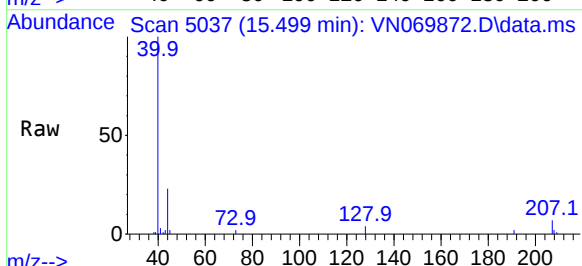


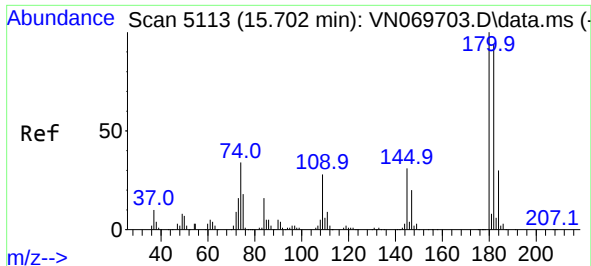
Tgt Ion:180 Resp: 252
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 36.9 14.5 43.5



#95
Naphthalene
Concen: 3.998 ug/l
RT: 15.499 min Scan# 5037
Delta R.T. -0.008 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

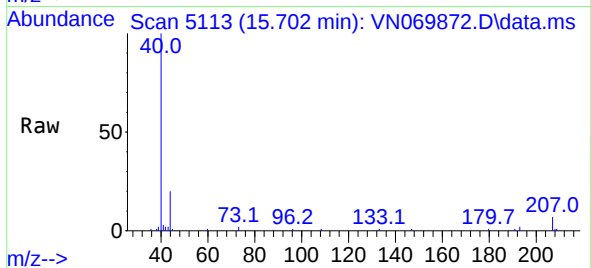
Tgt Ion:128 Resp: 749
Ion Ratio Lower Upper
128 100
127 3.2 10.5 15.7#
129 0.0 8.7 13.1#





#96
1,2,3-Trichlorobenzene
Concen: 2.439 ug/l
RT: 15.702 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN069872.D
Acq: 8 Dec 2021 19:53

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#03



Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 112.7 47.4 142.2
145 0.0 15.0 45.1#

