

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069937.D
 Acq On : 10 Dec 2021 2:56
 Operator : JC/MD
 Sample : PB141262ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141262ZHE#03

Quant Time: Dec 10 08:13:13 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)

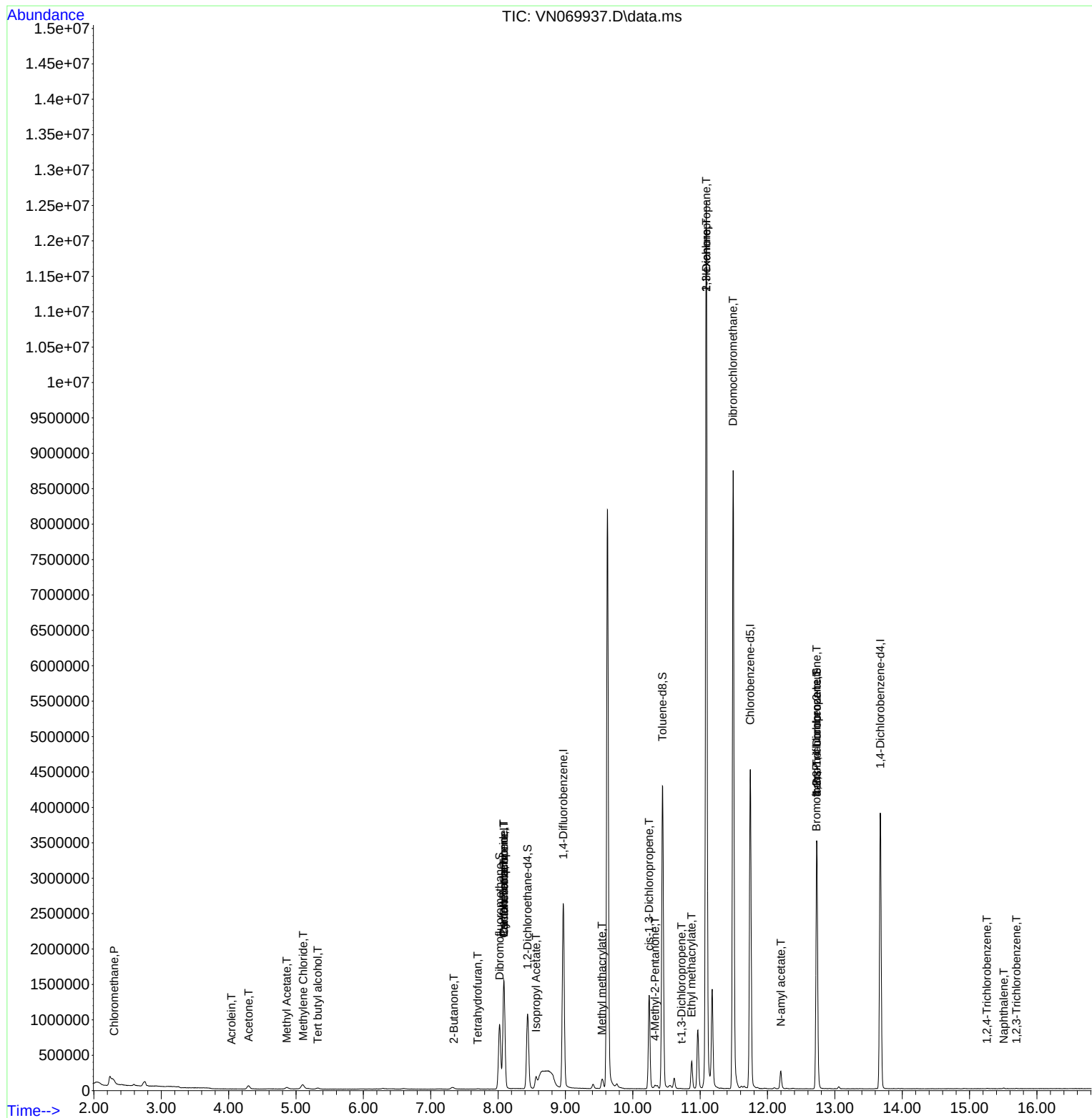
Internal Standards						
1) Pentafluorobenzene	8.088	168	1121681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2167057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2477269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1015376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	905951	52.310	ug/l	0.00
Spiked Amount 50.000	Range 61	- 141	Recovery	=	104.620%	
35) Dibromofluoromethane	8.021	113	664121	48.926	ug/l	0.00
Spiked Amount 50.000	Range 69	- 133	Recovery	=	97.860%	
50) Toluene-d8	10.440	98	2872813	52.708	ug/l	0.00
Spiked Amount 50.000	Range 65	- 126	Recovery	=	105.420%	
62) 4-Bromofluorobenzene	12.731	95	1190175	60.275	ug/l	0.00
Spiked Amount 50.000	Range 58	- 135	Recovery	=	120.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	3842	0.234	ug/l	91
11) Tert butyl alcohol	5.323	59	12327	3.766	ug/l #	71
13) Acrolein	4.041	56	641	0.230	ug/l #	79
16) Acetone	4.296	43	86368	8.290	ug/l	95
18) Methyl Acetate	4.862	43	49660	1.579	ug/l	93
20) Methylene Chloride	5.106	84	41960	3.030	ug/l	86
25) 2-Butanone	7.343	43	17096	1.208	ug/l	95
29) Tetrahydrofuran	7.697	42	3671	0.427	ug/l #	73
31) Cyclohexane	8.086	56	29243	1.213	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	95931	4.650	ug/l #	49
38) Carbon Tetrachloride	8.083	117	116812	5.774	ug/l #	16
43) Isopropyl Acetate	8.566	43	206214	4.538	ug/l #	79
48) Methyl methacrylate	9.542	41	40324	1.902	ug/l #	8
51) 4-Methyl-2-Pentanone	10.330	43	19774	0.671	ug/l #	74
53) t-1,3-Dichloropropene	10.722	75	227	2.803	ug/l #	73
54) cis-1,3-Dichloropropene	10.242	75	211540	9.649	ug/l #	71
56) Ethyl methacrylate	10.872	69	2181	2.350	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	124106	4.538	ug/l #	43
59) 2-Hexanone	11.089	43	2244767	100.670	ug/l #	47
60) Dibromochloromethane	11.489	129	1365	2.454	ug/l #	11
71) Bromoform	12.725	173	1235	2.808	ug/l #	1
74) N-amyl acetate	12.197	43	89765	2.247	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	672001	23.078	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	672001	73.458	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	877	2.928	ug/l #	35
95) Naphthalene	15.507	128	8217	4.138	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.697	180	1336	2.514	ug/l #	50

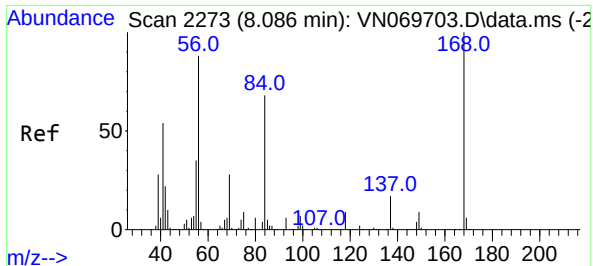
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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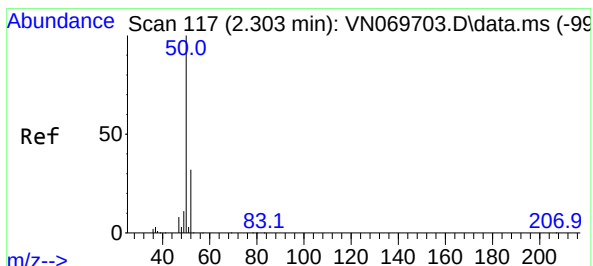
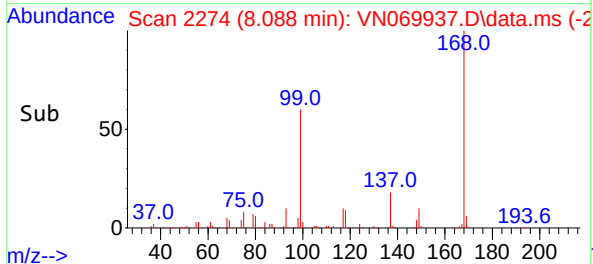
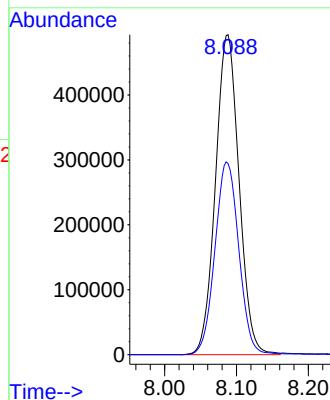
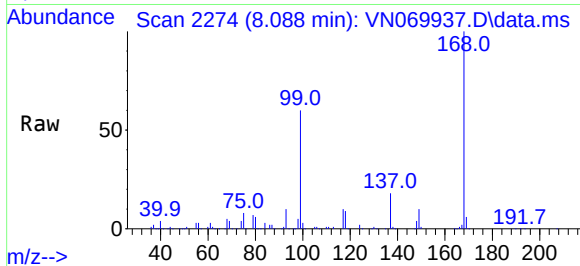




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

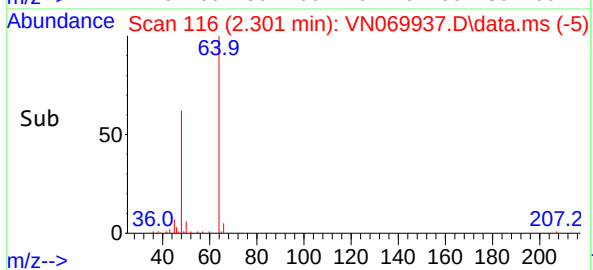
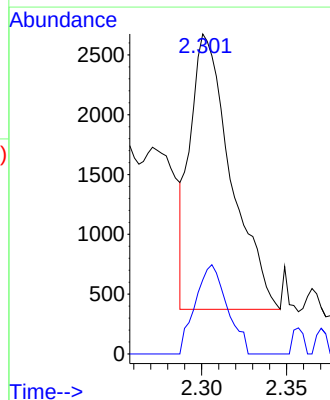
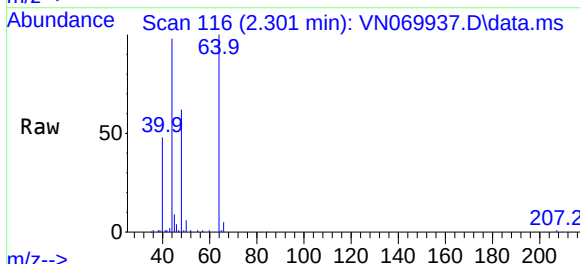
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

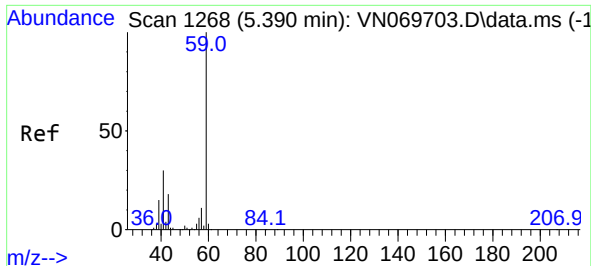
Tgt Ion:168 Resp: 1121681
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 50 Resp: 3842
Ion Ratio Lower Upper
50 100
52 26.9 25.4 38.0

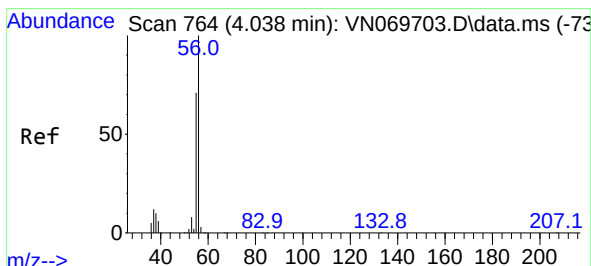
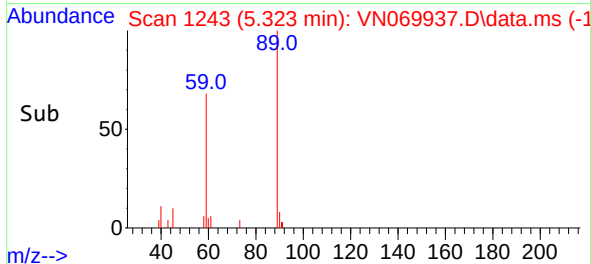
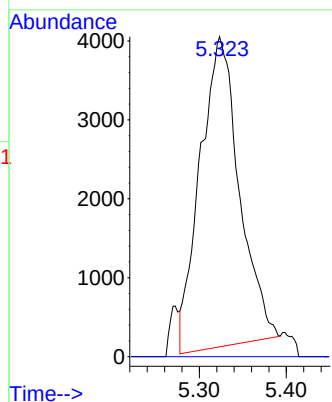
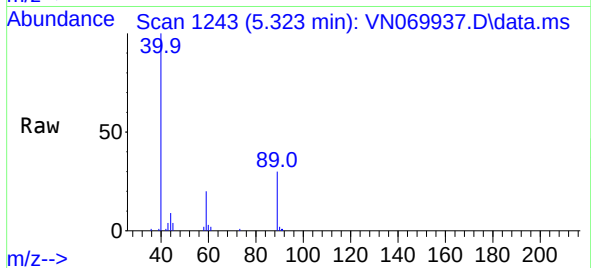




#11
Tert butyl alcohol
Concen: 3.766 ug/l
RT: 5.323 min Scan# 11
Delta R.T. -0.067 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

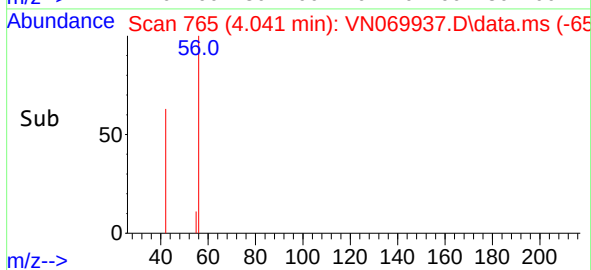
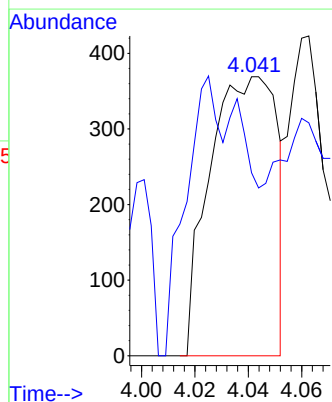
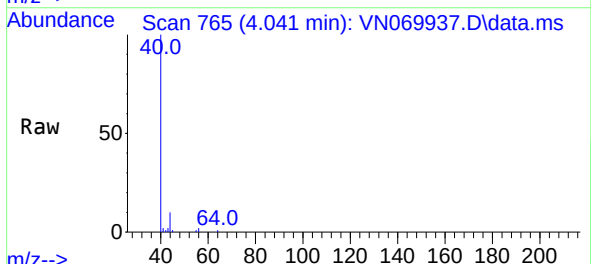
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

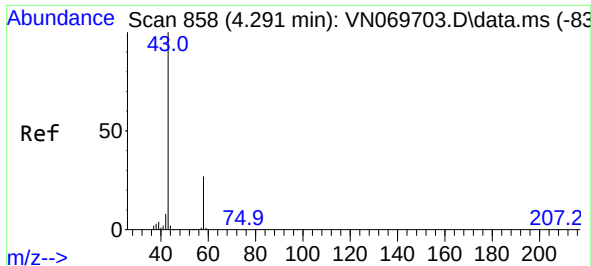
Tgt Ion: 59 Resp: 12327
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.230 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 56 Resp: 641
Ion Ratio Lower Upper
56 100
55 53.5 56.6 85.0#

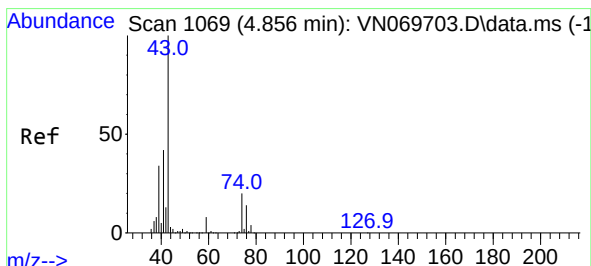
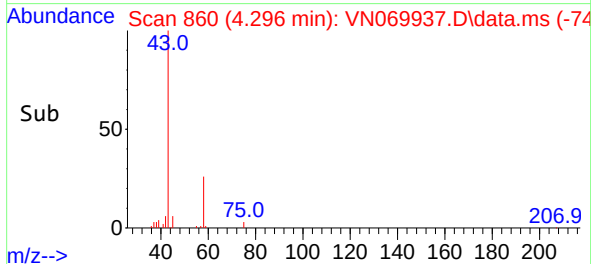
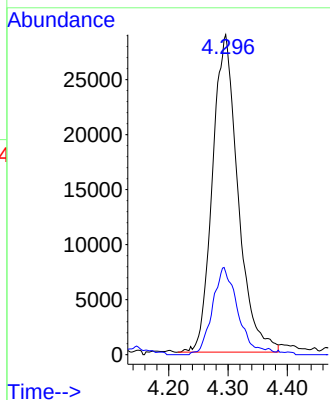
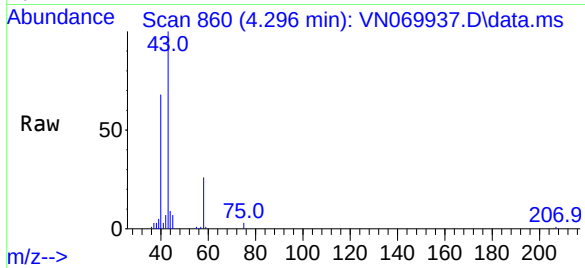




#16
Acetone
Concen: 8.290 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

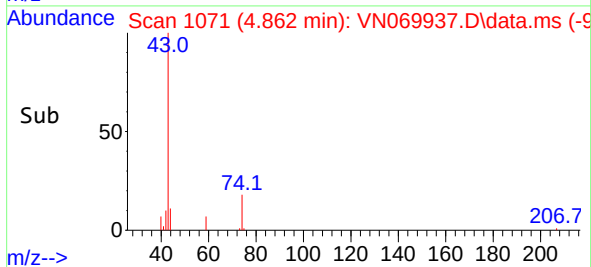
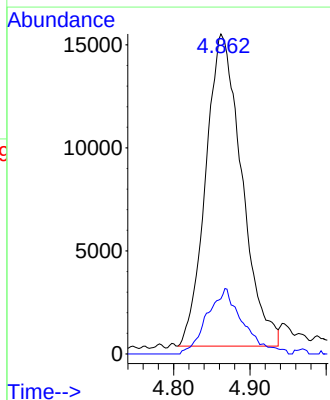
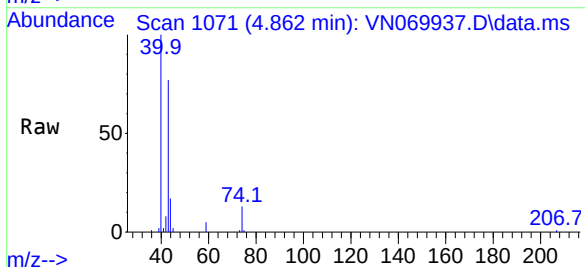
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

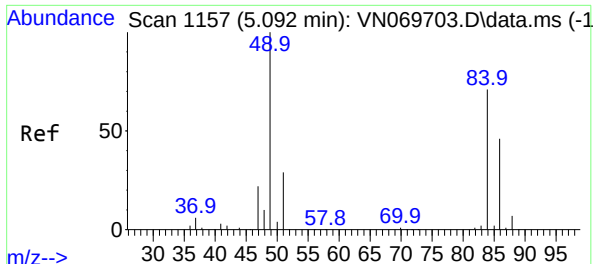
Tgt Ion: 43 Resp: 86368
Ion Ratio Lower Upper
43 100
58 26.0 23.1 34.7



#18
Methyl Acetate
Concen: 1.579 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 43 Resp: 49660
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.2



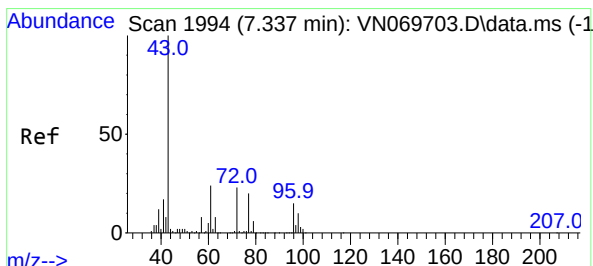
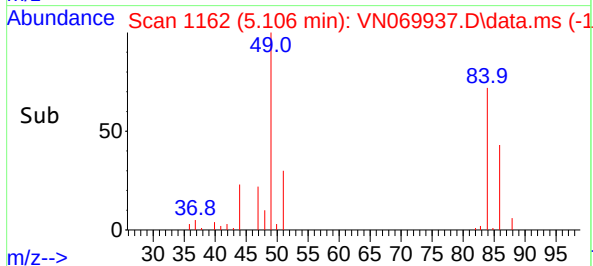
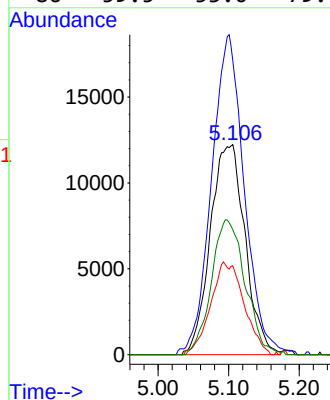
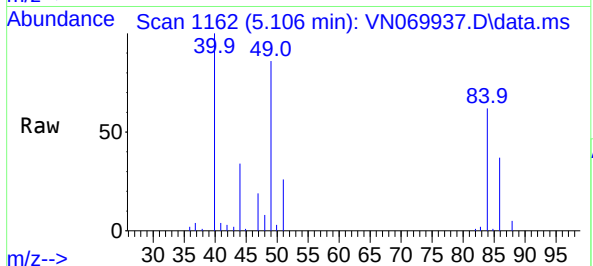


#20
Methylene Chloride
Concen: 3.030 ug/l
RT: 5.106 min Scan# 1157
Delta R.T. 0.014 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

Tgt Ion: 84 Resp: 41960

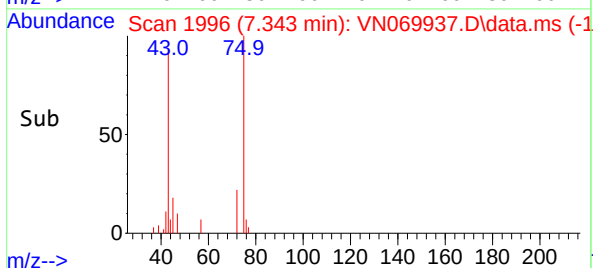
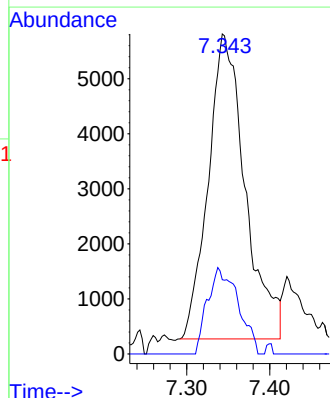
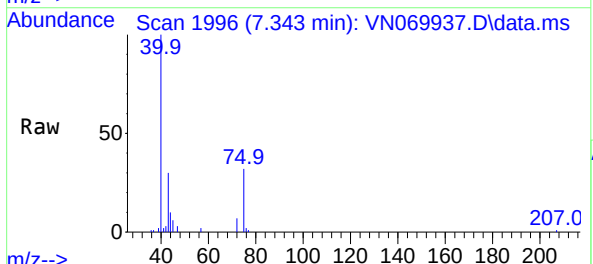
Ion	Ratio	Lower	Upper
84	100		
49	137.0	93.5	140.3
51	42.3	29.4	44.2
86	59.5	53.0	79.4

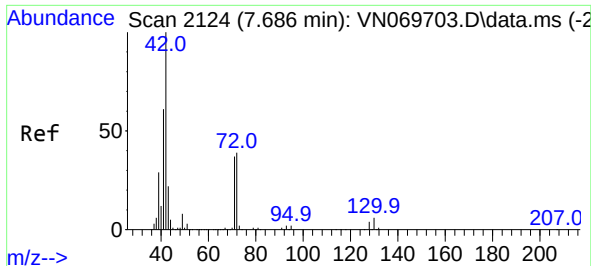


#25
2-Butanone
Concen: 1.208 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.005 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 43 Resp: 17096

Ion	Ratio	Lower	Upper
43	100		
72	24.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 7.697 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN069937.D

Acq: 10 Dec 2021 2:56

Instrument :

MSVOA_N

ClientSampleId :

PB141262ZHE#03

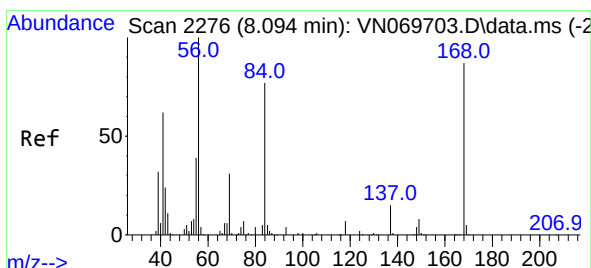
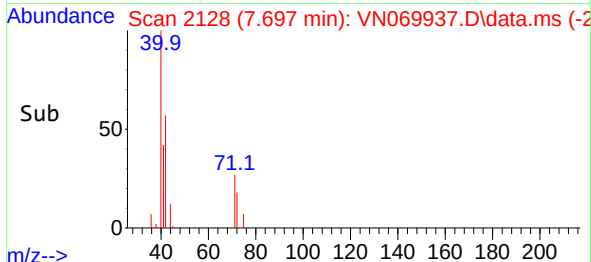
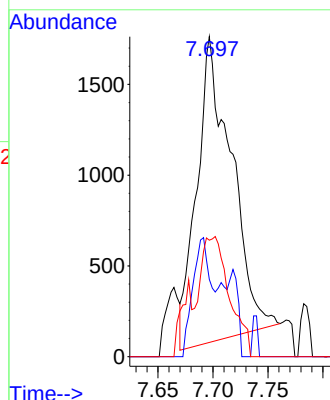
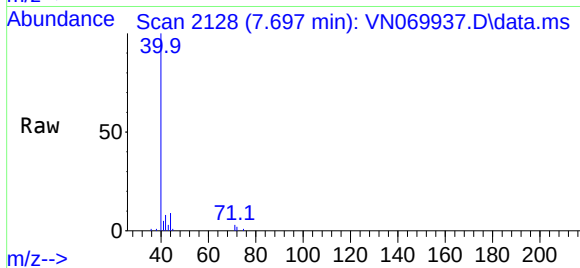
Tgt Ion: 42 Resp: 3671

Ion Ratio Lower Upper

42 100

72 20.7 36.3 54.5#

71 32.7 34.7 52.1#



#31

Cyclohexane

Concen: 1.213 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN069937.D

Acq: 10 Dec 2021 2:56

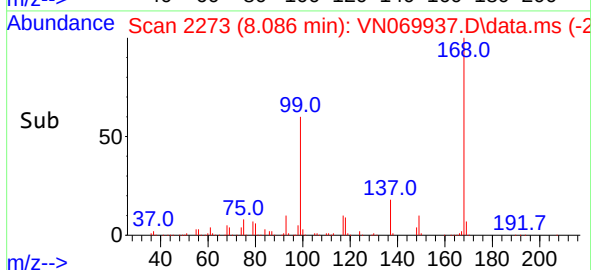
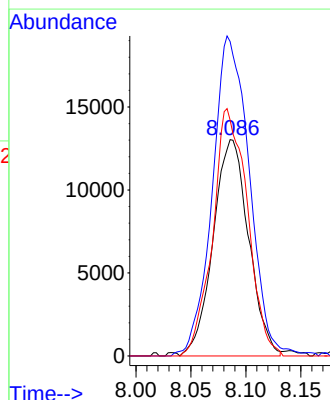
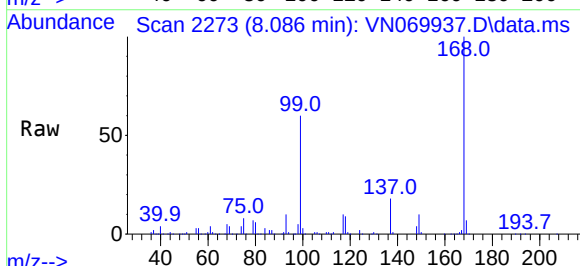
Tgt Ion: 56 Resp: 29243

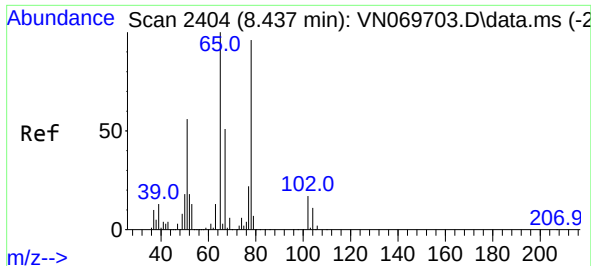
Ion Ratio Lower Upper

56 100

69 143.3 27.1 40.7#

84 109.1 73.4 110.0

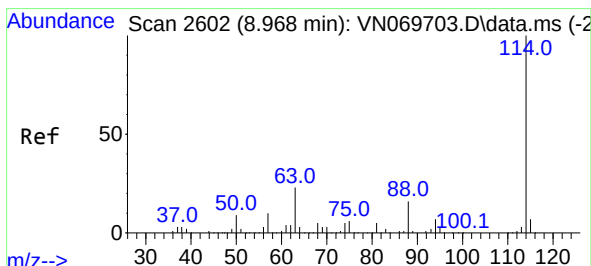
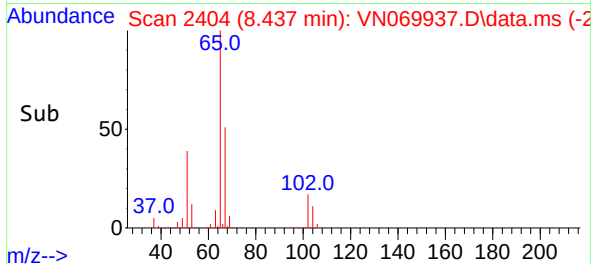
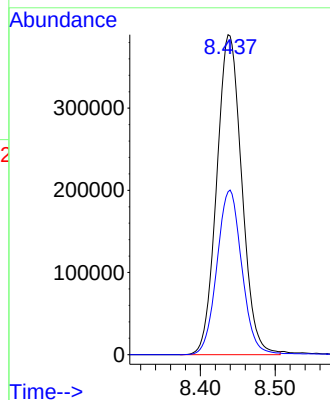
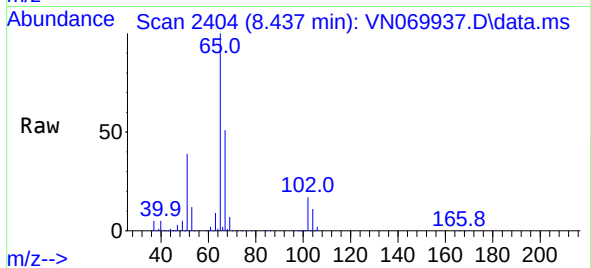




#33
1,2-Dichloroethane-d4
Concen: 52.310 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

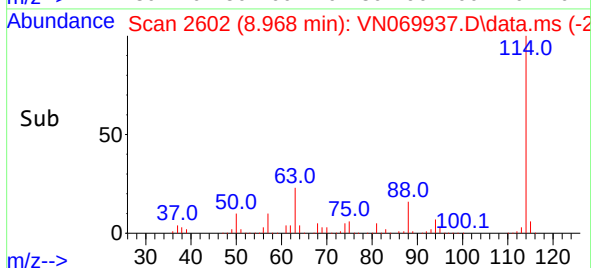
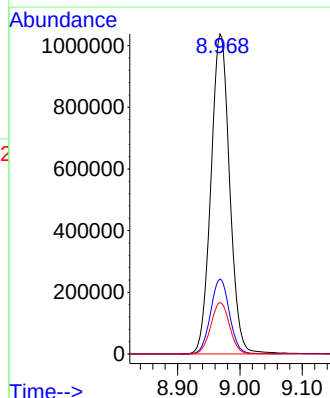
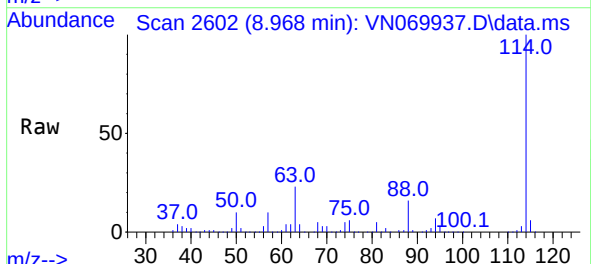
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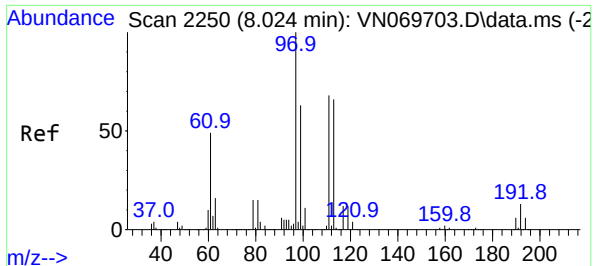
Tgt Ion: 65 Resp: 905951
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 114 Resp: 2167057
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.1 0.0 27.4

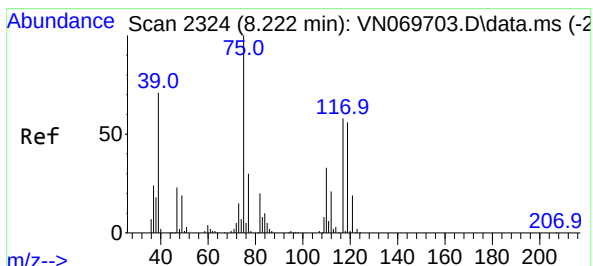
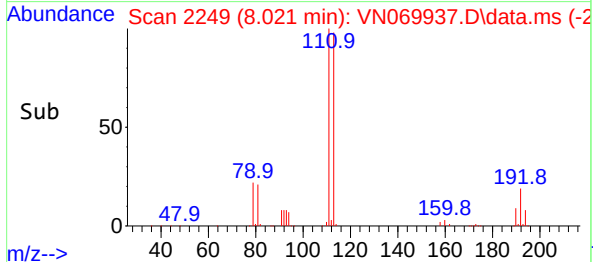
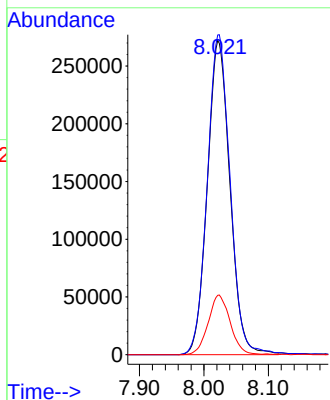
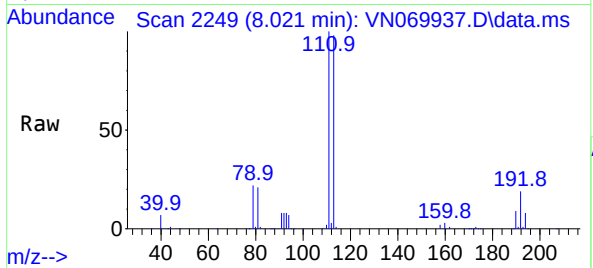




#35
Dibromofluoromethane
Concen: 48.926 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

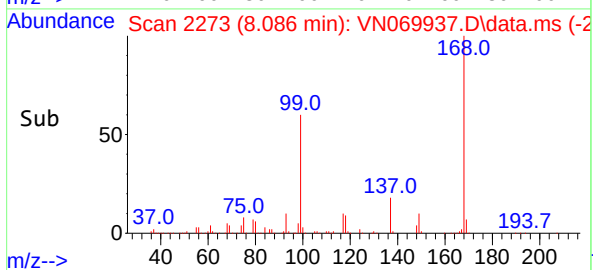
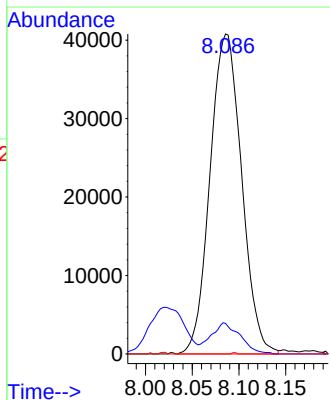
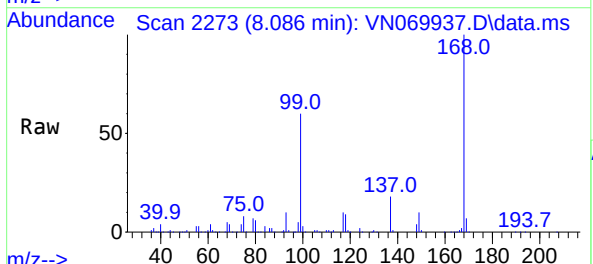
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

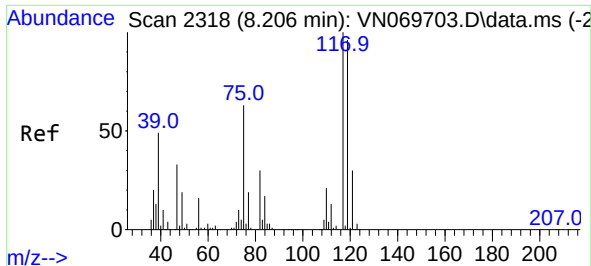
Tgt Ion:113 Resp: 664121
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.650 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 75 Resp: 95931
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.1 24.4 36.6#

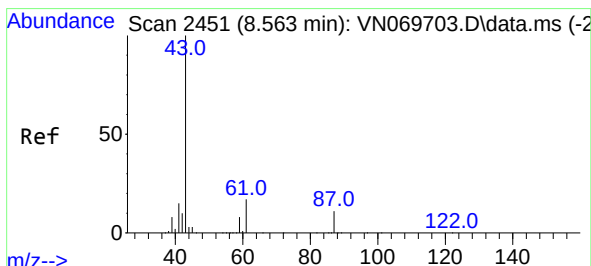
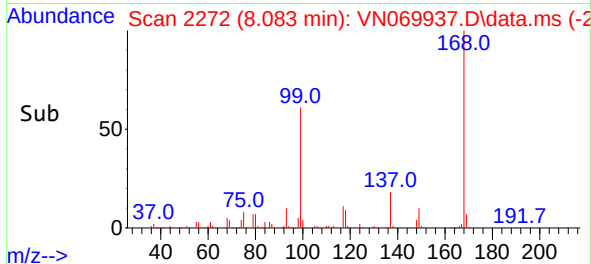
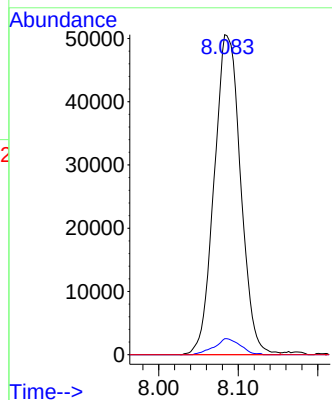
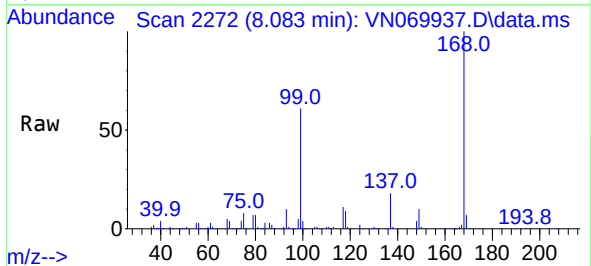




#38
Carbon Tetrachloride
Concen: 5.774 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

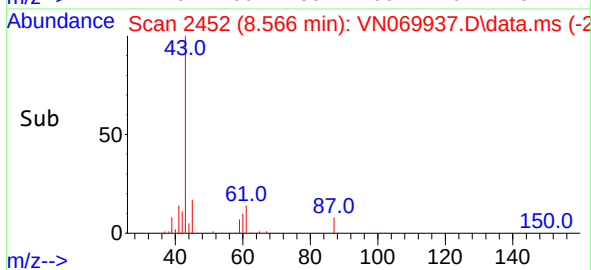
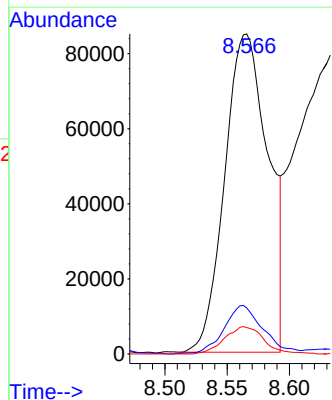
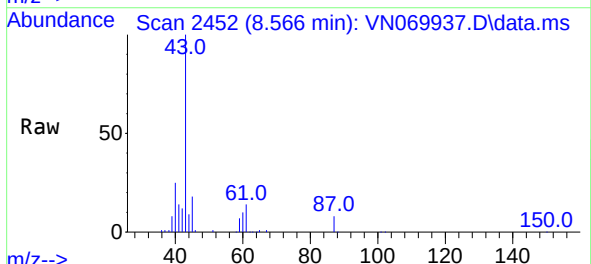
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

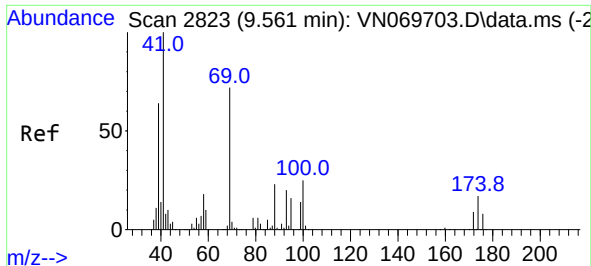
Tgt Ion:117 Resp: 116812
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.538 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 43 Resp: 206214
Ion Ratio Lower Upper
43 100
61 13.7 20.4 30.6#
87 7.8 11.2 16.8#

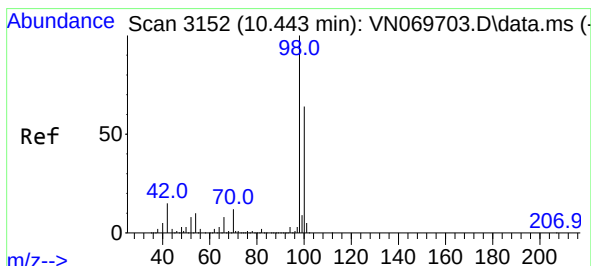
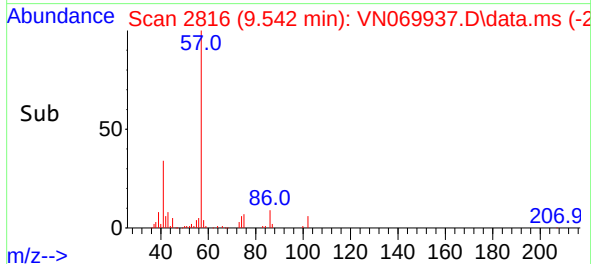
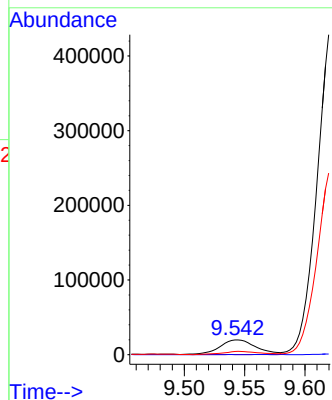
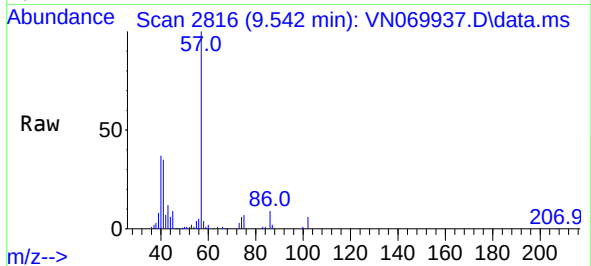




#48
Methyl methacrylate
Concen: 1.902 ug/l
RT: 9.542 min Scan# 21
Delta R.T. -0.019 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

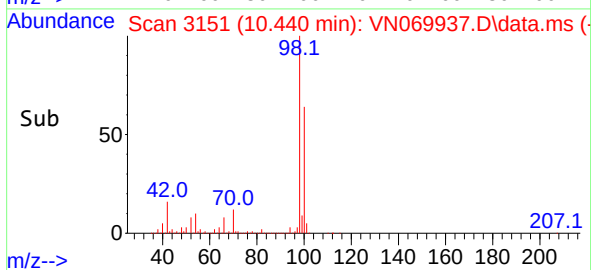
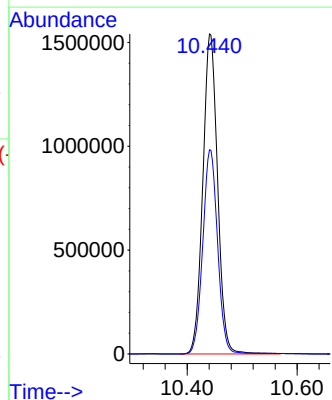
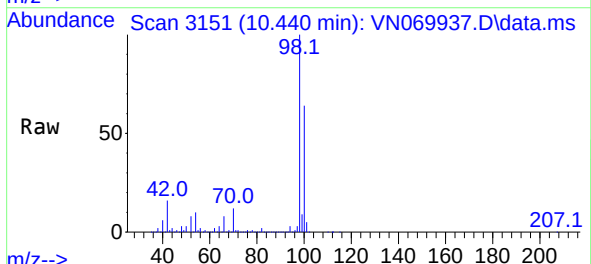
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

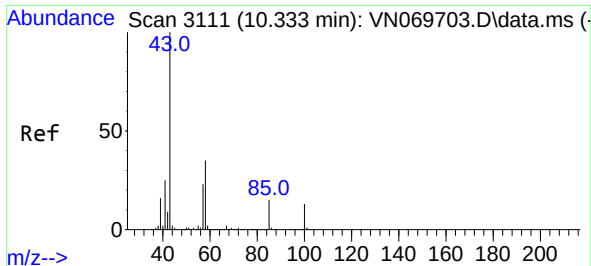
Tgt Ion: 41 Resp: 40324
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 52.708 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 98 Resp: 2872813
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6

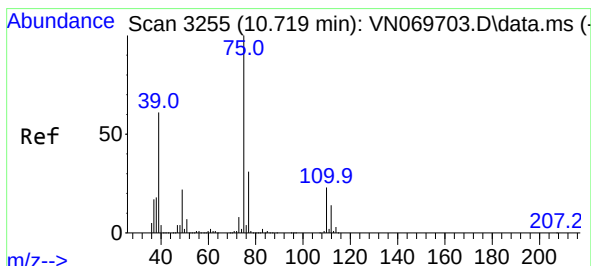
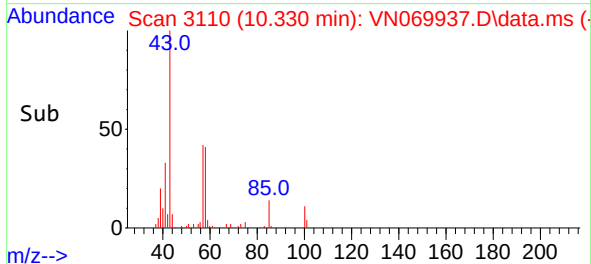
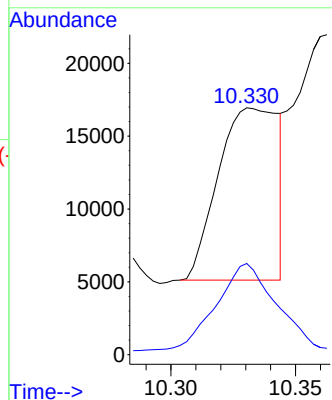
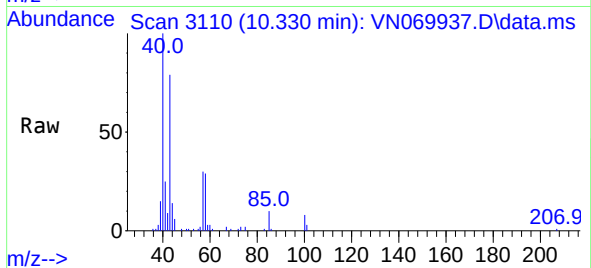




#51
4-Methyl-2-Pentanone
Concen: 0.671 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

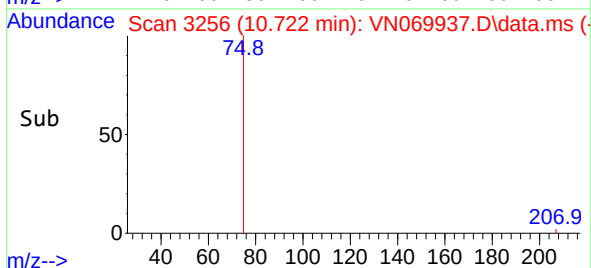
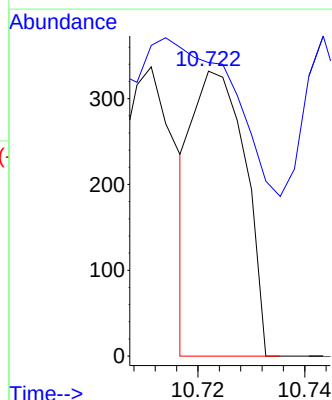
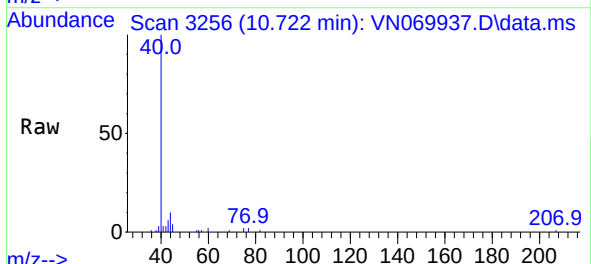
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

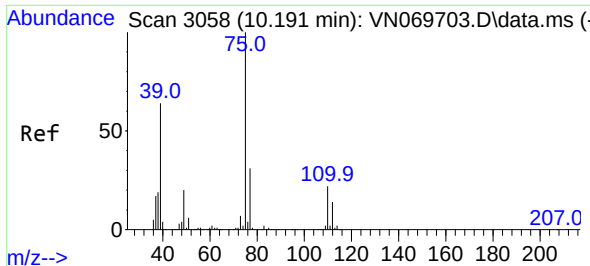
Tgt Ion: 43 Resp: 19774
Ion Ratio Lower Upper
43 100
58 53.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.803 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 75 Resp: 227
Ion Ratio Lower Upper
75 100
77 47.0 25.6 38.4#

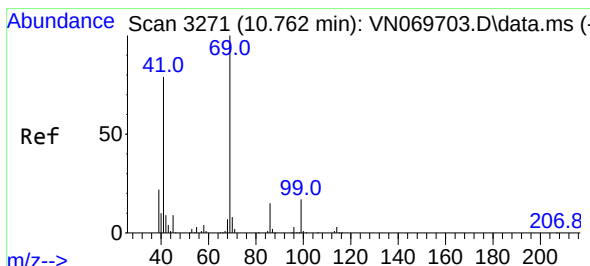
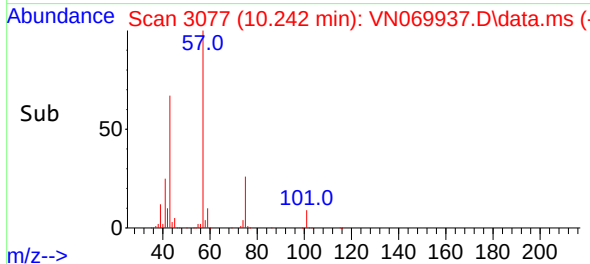
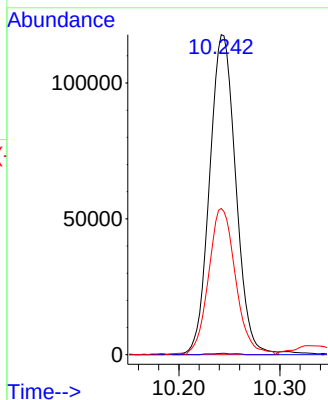
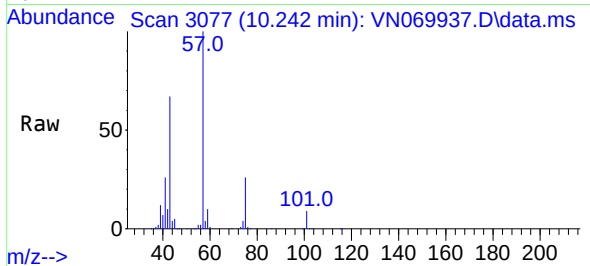




#54
 cis-1,3-Dichloropropene
 Concen: 9.649 ug/l
 RT: 10.242 min Scan# 3058
 Delta R.T. 0.051 min
 Lab File: VN069937.D
 Acq: 10 Dec 2021 2:56

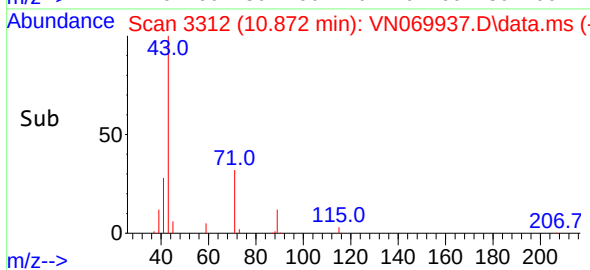
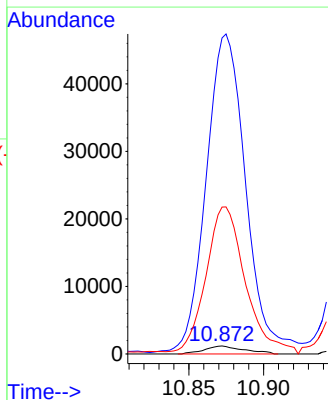
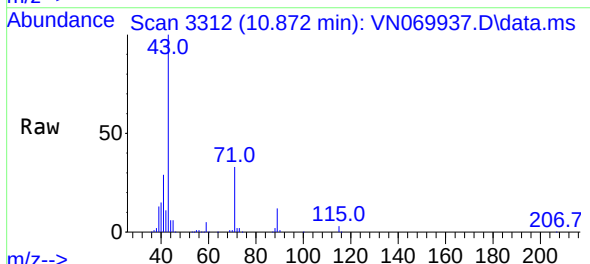
Instrument :
 MSVOA_N
 ClientSampleId :
 PB141262ZHE#03

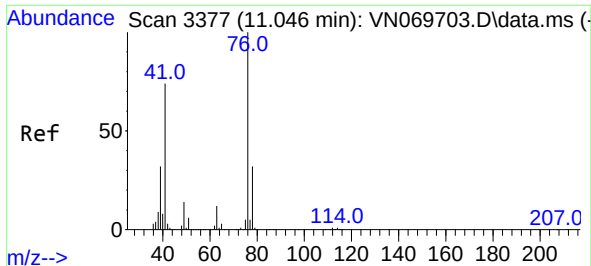
Tgt Ion: 75 Resp: 211540
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 45.3 42.5 63.7



#56
 Ethyl methacrylate
 Concen: 2.350 ug/l
 RT: 10.872 min Scan# 3312
 Delta R.T. 0.110 min
 Lab File: VN069937.D
 Acq: 10 Dec 2021 2:56

Tgt Ion: 69 Resp: 2181
 Ion Ratio Lower Upper
 69 100
 41 3971.8 51.4 77.0#
 39 1838.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 4.538 ug/l

RT: 11.092 min Scan# 31

Delta R.T. 0.046 min

Lab File: VN069937.D

Acq: 10 Dec 2021 2:56

Instrument :

MSVOA_N

ClientSampleId :

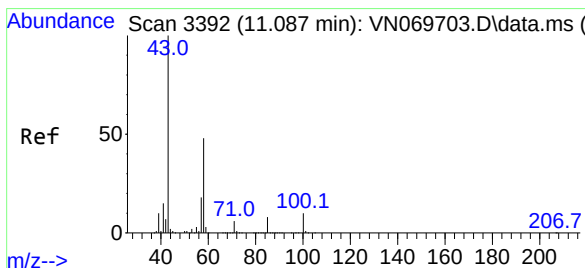
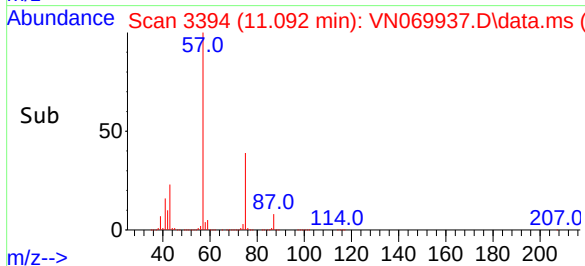
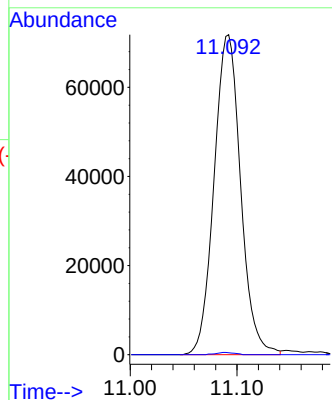
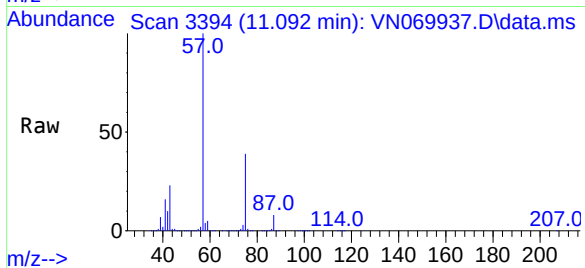
PB141262ZHE#03

Tgt Ion: 76 Resp: 124106

Ion Ratio Lower Upper

76 100

78 0.5 25.7 38.5#



#59

2-Hexanone

Concen: 100.670 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.002 min

Lab File: VN069937.D

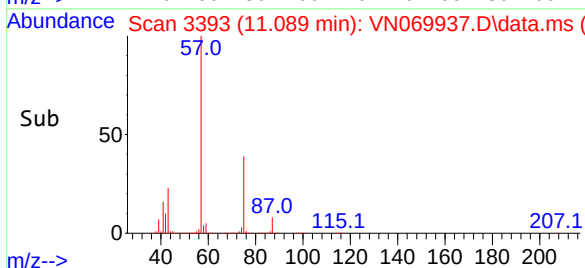
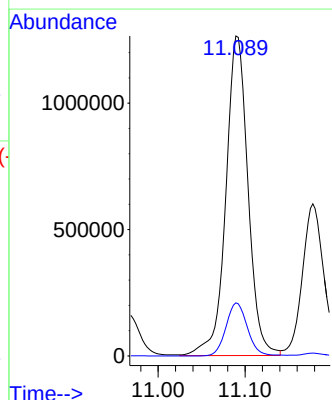
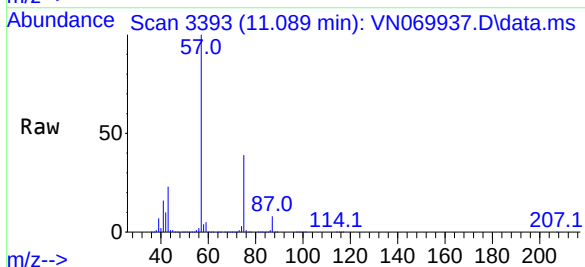
Acq: 10 Dec 2021 2:56

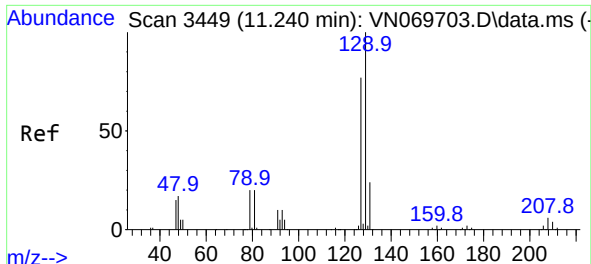
Tgt Ion: 43 Resp: 2244767

Ion Ratio Lower Upper

43 100

58 16.1 26.9 80.7#

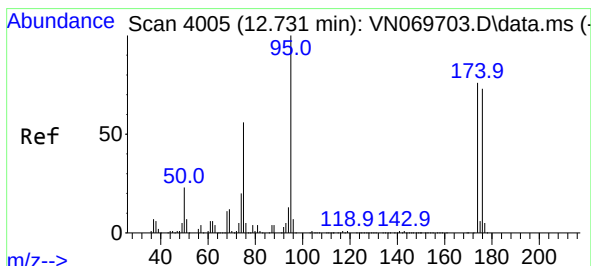
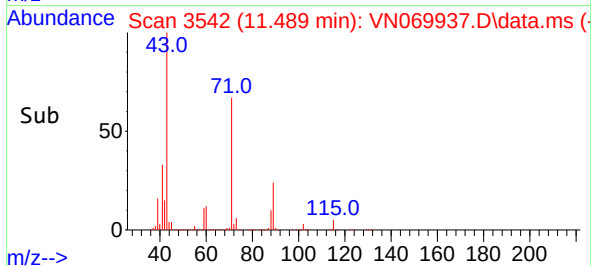
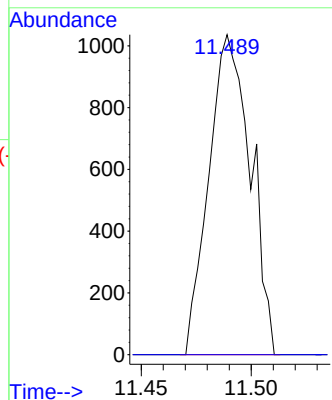
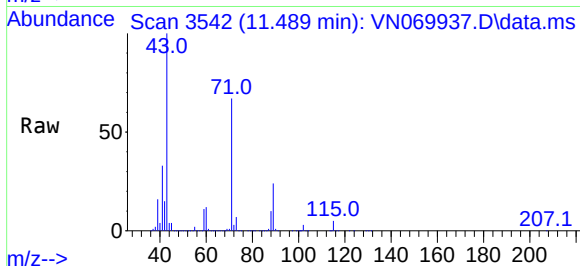




#60
Dibromochloromethane
Concen: 2.454 ug/l
RT: 11.489 min Scan# 311
Delta R.T. 0.249 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

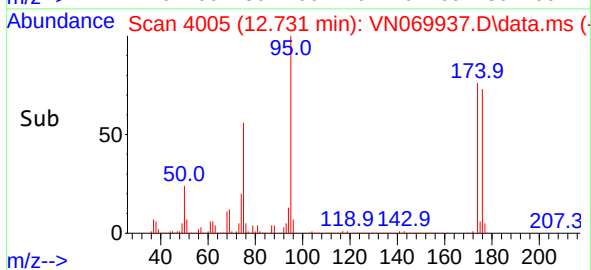
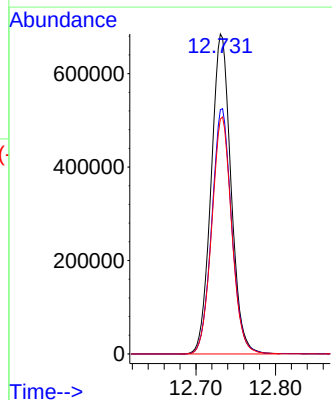
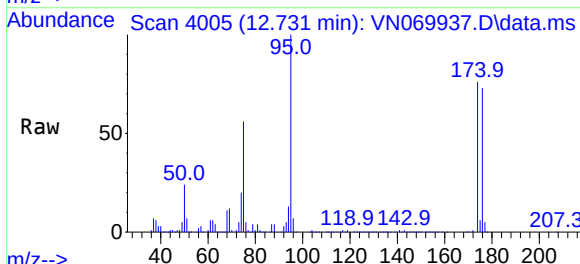
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

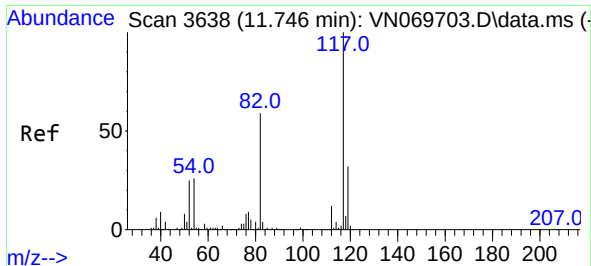
Tgt Ion:129 Resp: 1365
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 60.275 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

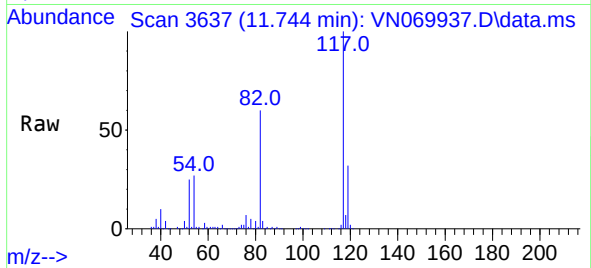
Tgt Ion: 95 Resp: 1190175
Ion Ratio Lower Upper
95 100
174 76.7 0.0 187.2
176 74.4 0.0 181.4





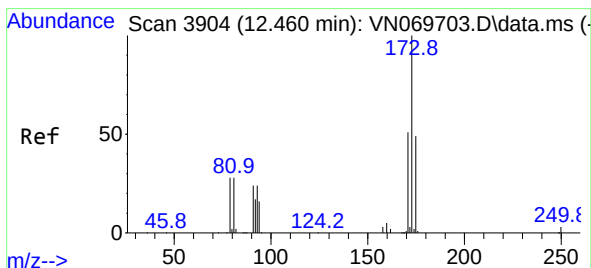
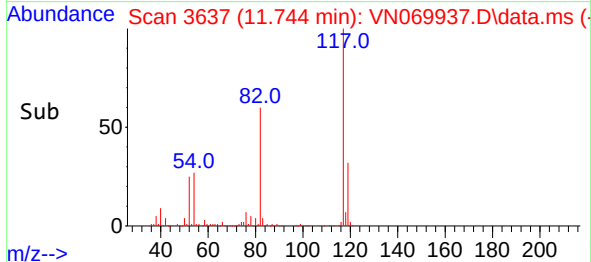
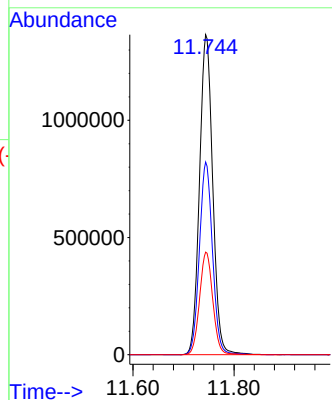
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03



Tgt Ion:117 Resp: 2477269

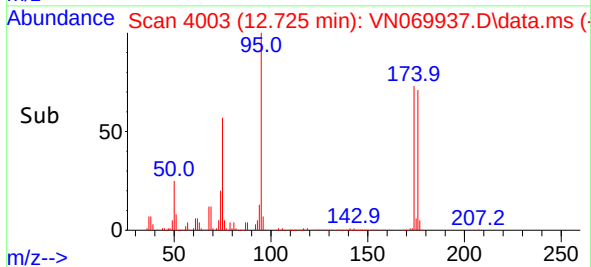
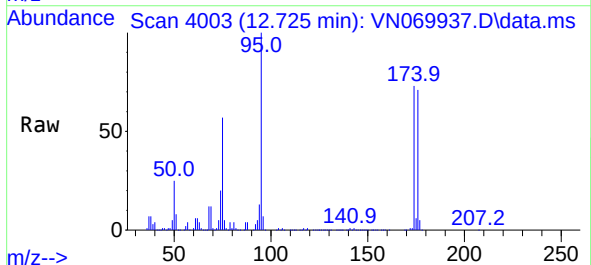
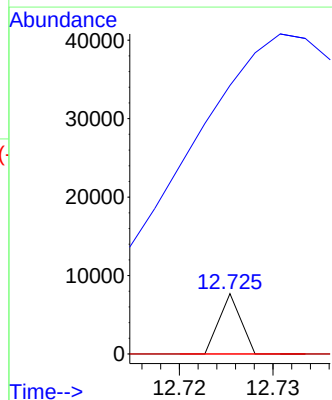
Ion	Ratio	Lower	Upper
117	100		
82	60.2	42.4	63.6
119	32.0	25.4	38.2

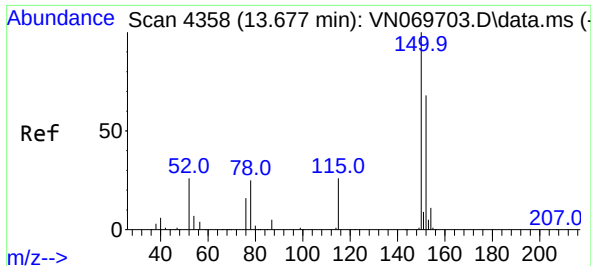


#71
Bromoform
Concen: 2.808 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion:173 Resp: 1235

Ion	Ratio	Lower	Upper
173	100		
175	5416.0	24.2	72.6#
254	0.0	0.0	0.0

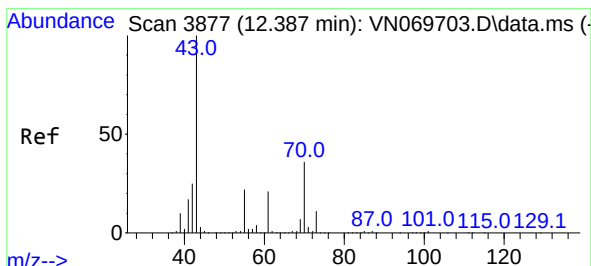
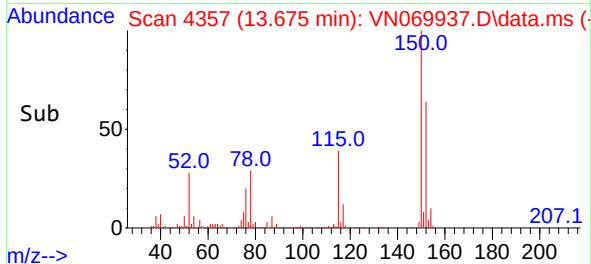
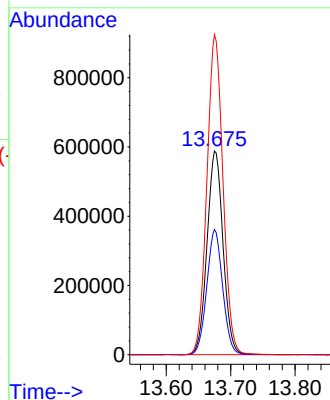
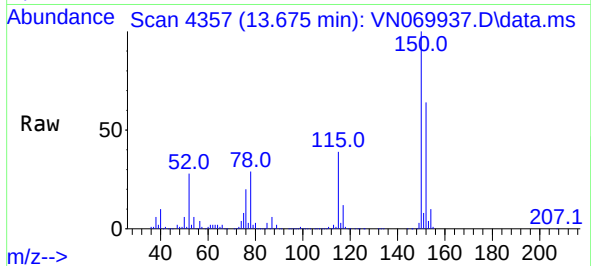




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

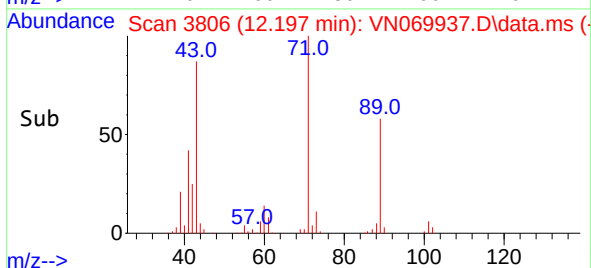
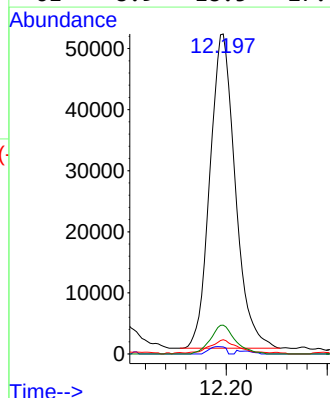
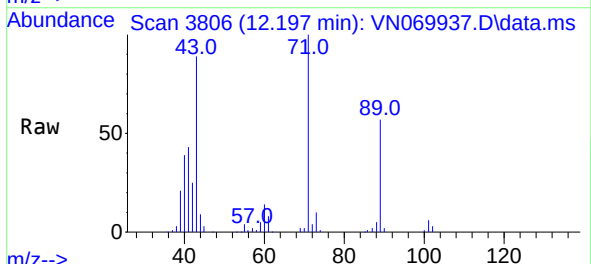
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

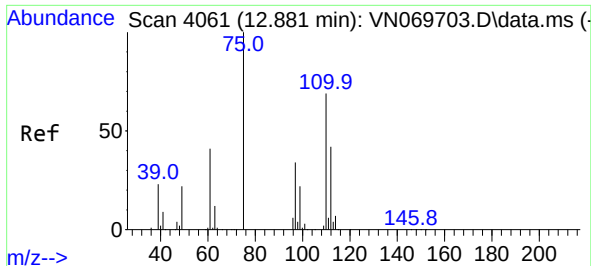
Tgt Ion:152 Resp: 1015376
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.4 0.0 344.4



#74
N-ethyl acetate
Concen: 2.247 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Tgt Ion: 43 Resp: 89765
Ion Ratio Lower Upper
43 100
70 1.5 33.4 50.0#
55 4.6 19.3 28.9#
61 8.9 18.5 27.7#

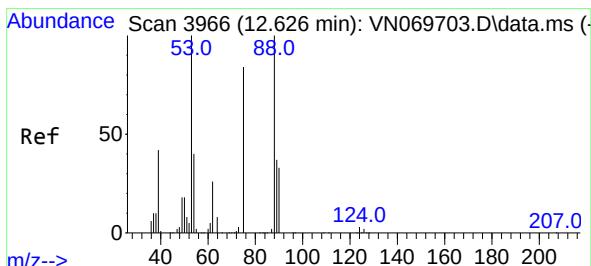
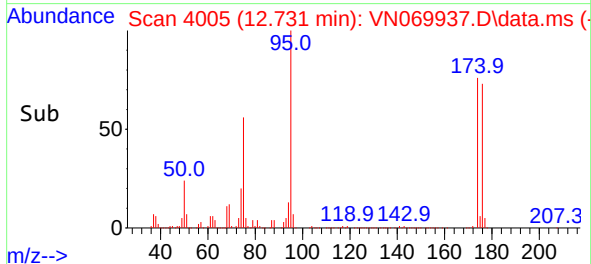
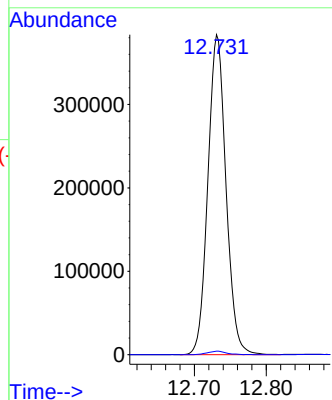
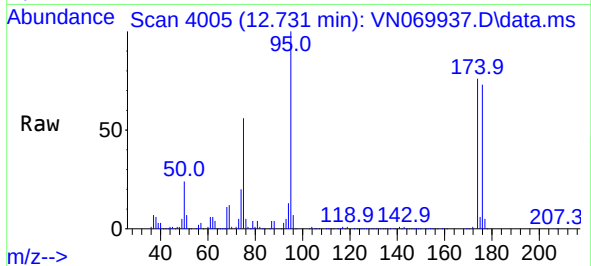




#76
1,2,3-Trichloropropane
Concen: 23.078 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

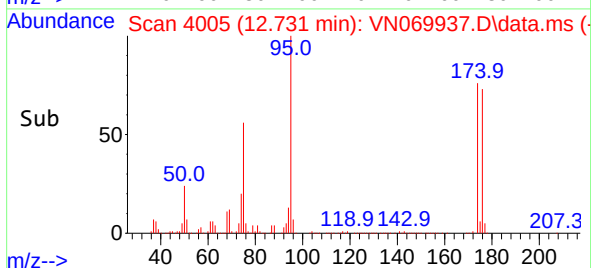
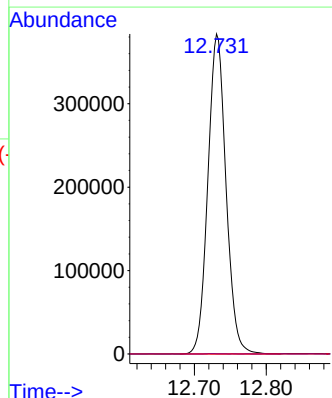
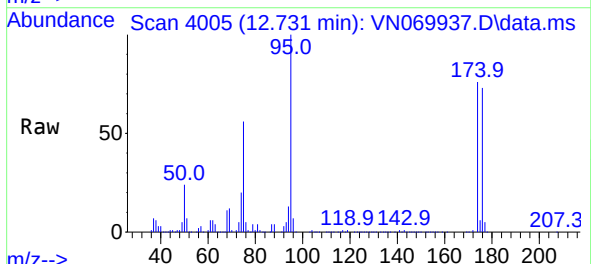
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

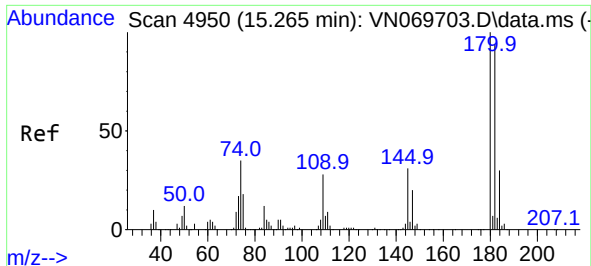
Tgt Ion: 75 Resp: 672001
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.458 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

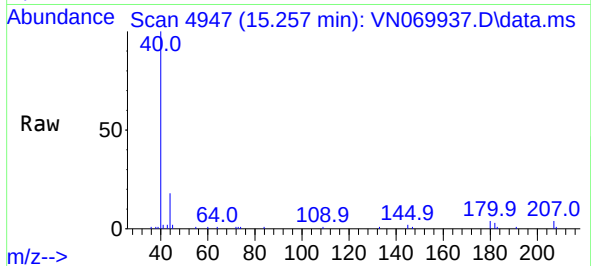
Tgt Ion: 75 Resp: 672001
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



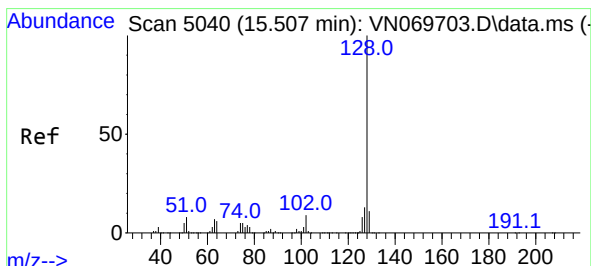
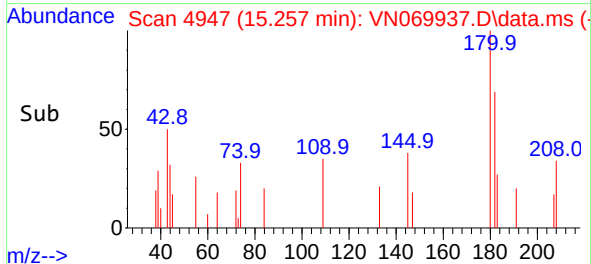
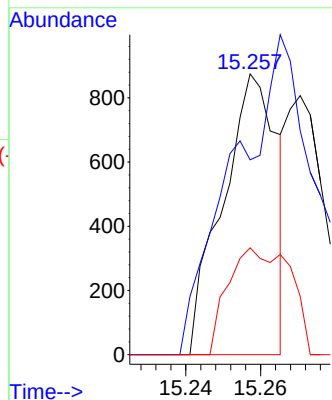


#93
1,2,4-Trichlorobenzene
Concen: 2.928 ug/l
RT: 15.257 min Scan# 4950
Delta R.T. -0.008 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#03

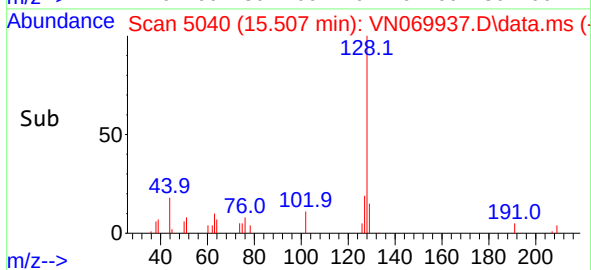
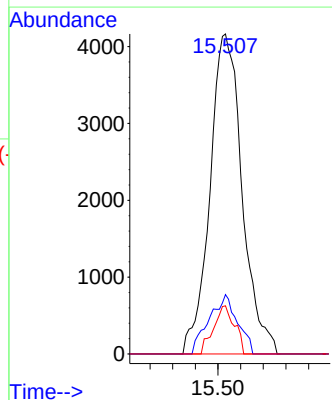
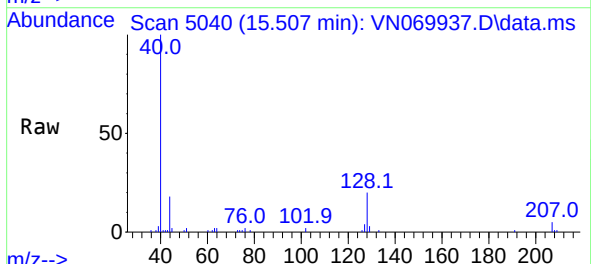


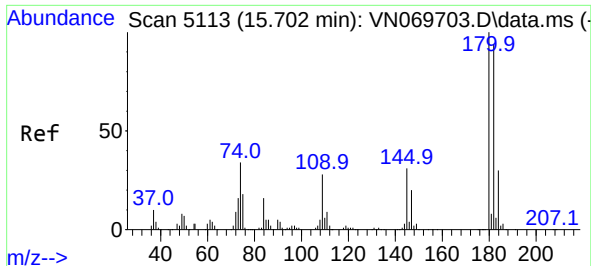
Tgt Ion:180 Resp: 877
Ion Ratio Lower Upper
180 100
182 171.0 48.3 144.9#
145 43.9 14.5 43.5#



#95
Naphthalene
Concen: 4.138 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069937.D
Acq: 10 Dec 2021 2:56

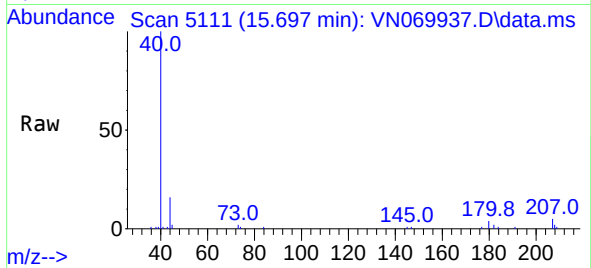
Tgt Ion:128 Resp: 8217
Ion Ratio Lower Upper
128 100
127 16.3 10.5 15.7#
129 9.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.514 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN069937.D
 Acq: 10 Dec 2021 2:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141262ZHE#03



Tgt Ion:180 Resp: 1336
 Ion Ratio Lower Upper
 180 100
 182 31.2 47.4 142.2#
 145 28.9 15.0 45.1

