

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069888.D
 Acq On : 9 Dec 2021 3:30
 Operator : JC/MD
 Sample : PB141231ZHE#13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#13

Quant Time: Dec 09 11:56:17 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)

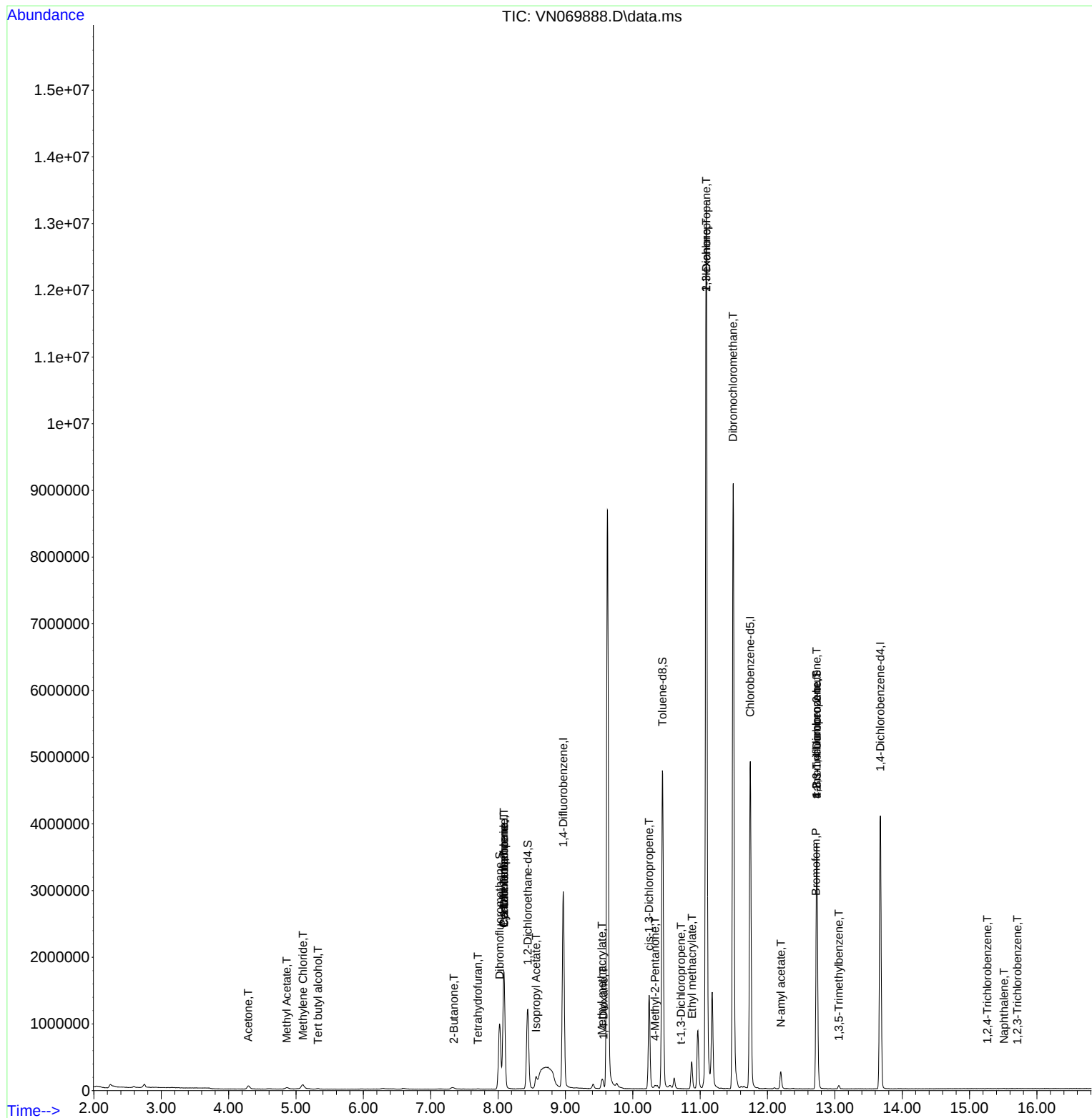
Internal Standards						
1) Pentafluorobenzene	8.086	168	1308231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2437118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2697258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1085236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1046196	51.794	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 103.580%		
35) Dibromofluoromethane	8.024	113	720304	47.185	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 94.360%		
50) Toluene-d8	10.440	98	3193294	52.096	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 104.200%		
62) 4-Bromofluorobenzene	12.731	95	1291884	58.176	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 116.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.326	59	4683	1.227	ug/l #	71
16) Acetone	4.291	43	90324	7.434	ug/l	97
18) Methyl Acetate	4.862	43	49785	1.357	ug/l	91
20) Methylene Chloride	5.103	84	44604	2.761	ug/l	89
25) 2-Butanone	7.343	43	18211	1.103	ug/l	94
29) Tetrahydrofuran	7.699	42	2722	0.272	ug/l #	61
31) Cyclohexane	8.088	56	33852	1.204	ug/l #	36
36) 1,1-Dichloropropene	8.086	75	111168	4.792	ug/l #	50
38) Carbon Tetrachloride	8.086	117	134044	5.892	ug/l #	16
43) Isopropyl Acetate	8.563	43	210489	4.119	ug/l #	79
48) Methyl methacrylate	9.542	41	42410	1.778	ug/l #	8
49) 1,4-Dioxane	9.566	88	88	0.206	ug/l #	27
51) 4-Methyl-2-Pentanone	10.331	43	22160	0.668	ug/l #	81
53) t-1,3-Dichloropropene	10.714	75	136	2.799	ug/l #	83
54) cis-1,3-Dichloropropene	10.242	75	226802	9.292	ug/l #	71
56) Ethyl methacrylate	10.878	69	2308	2.346	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	132799	4.317	ug/l #	43
59) 2-Hexanone	11.089	43	2405345	95.918	ug/l #	47
60) Dibromochloromethane	11.489	129	1338	2.444	ug/l #	11
71) Bromoform	12.720	173	1889	2.839	ug/l #	29
74) N-amyl acetate	12.197	43	93409	2.188	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	718627	23.091	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.061	105	23371	0.301	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.731	75	718627	73.496	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	674	2.914	ug/l	89
95) Naphthalene	15.509	128	3056	4.038	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.708	180	390	2.457	ug/l #	12

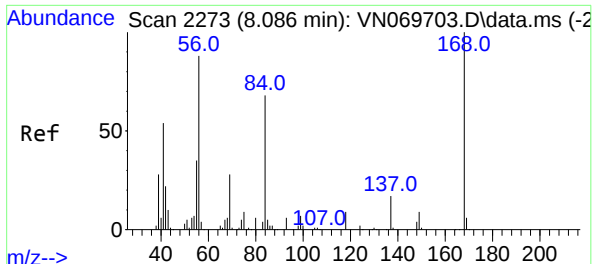
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
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Instrument :
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Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

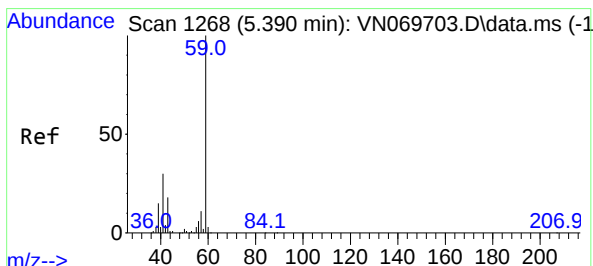
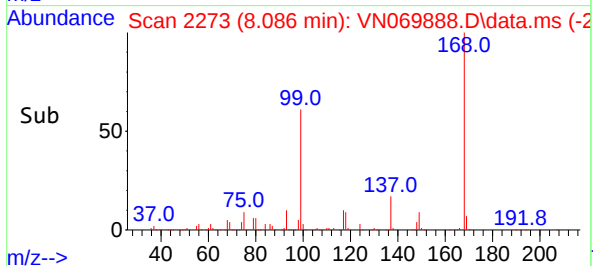
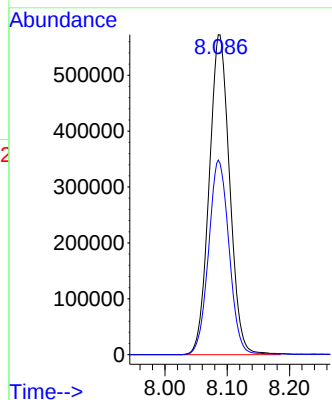
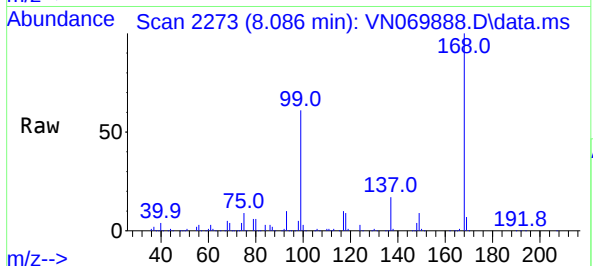




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

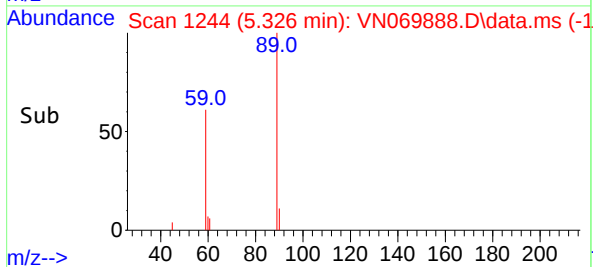
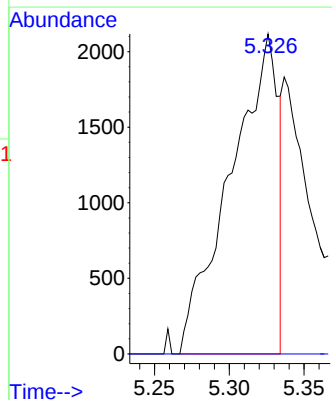
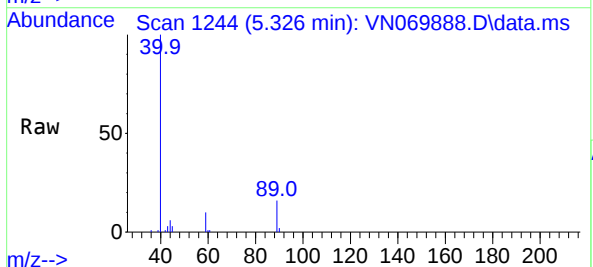
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

Tgt Ion:168 Resp: 1308231
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9



#11
Tert butyl alcohol
Concen: 1.227 ug/l
RT: 5.326 min Scan# 1244
Delta R.T. -0.064 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 59 Resp: 4683
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

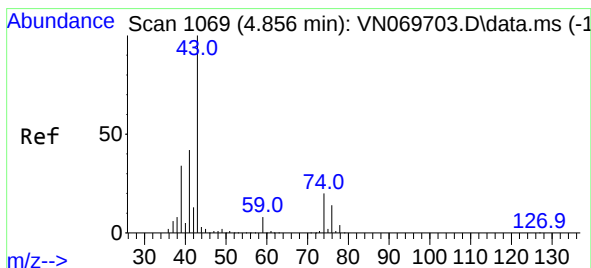
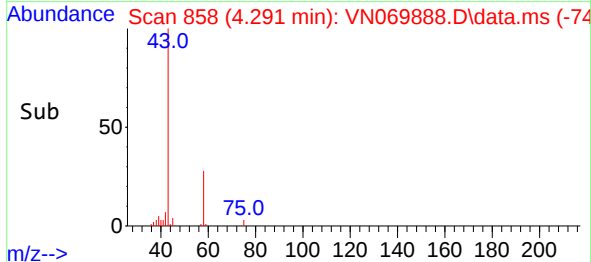
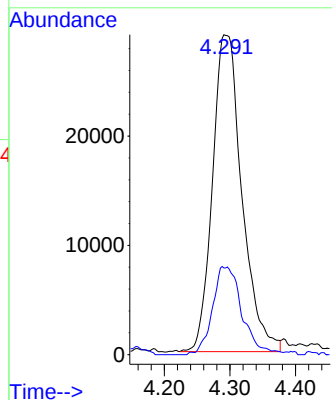
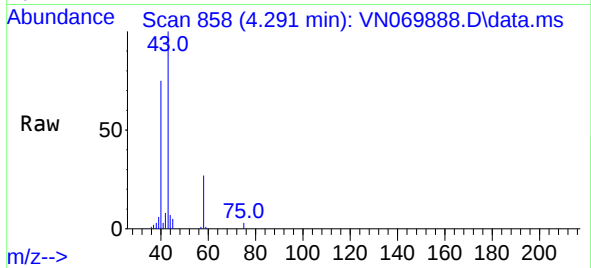




#16
Acetone
Concen: 7.434 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

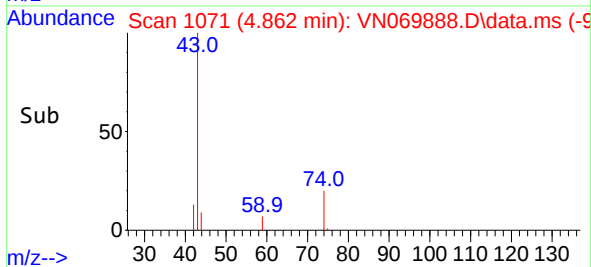
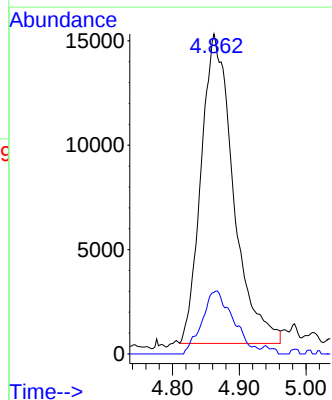
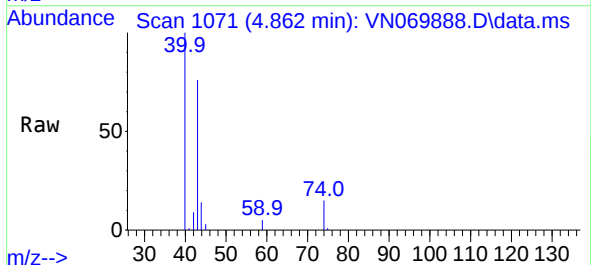
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

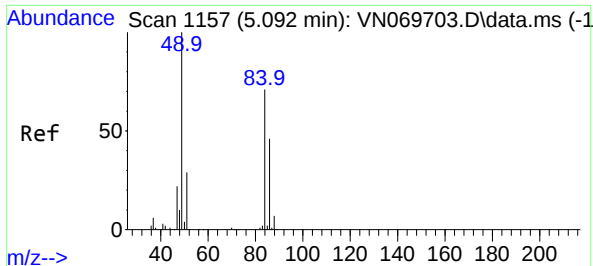
Tgt Ion: 43 Resp: 90324
Ion Ratio Lower Upper
43 100
58 27.4 23.1 34.7



#18
Methyl Acetate
Concen: 1.357 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

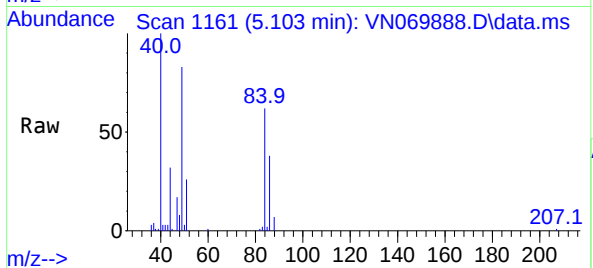
Tgt Ion: 43 Resp: 49785
Ion Ratio Lower Upper
43 100
74 19.8 19.4 29.2





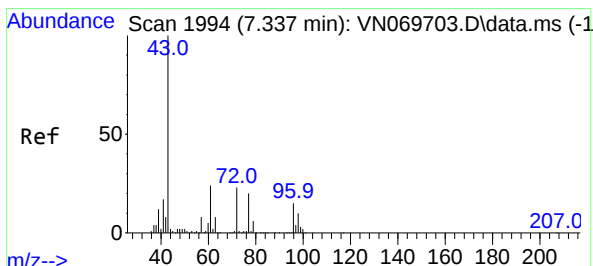
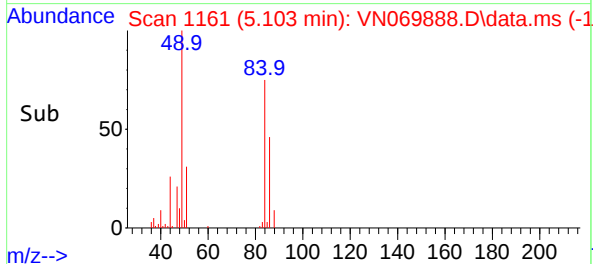
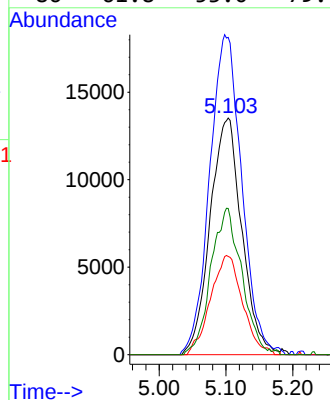
#20
Methylene Chloride
Concen: 2.761 ug/l
RT: 5.103 min Scan# 1157
Delta R.T. 0.011 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13



Tgt Ion: 84 Resp: 44604

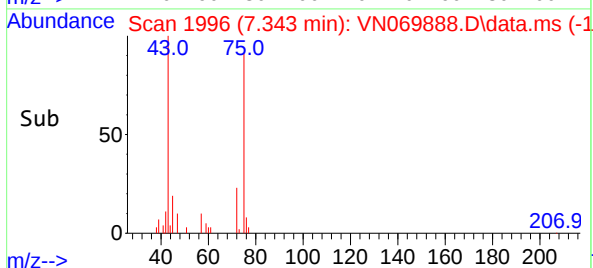
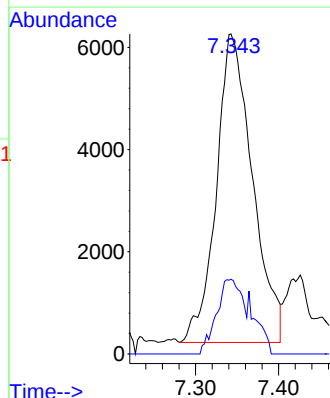
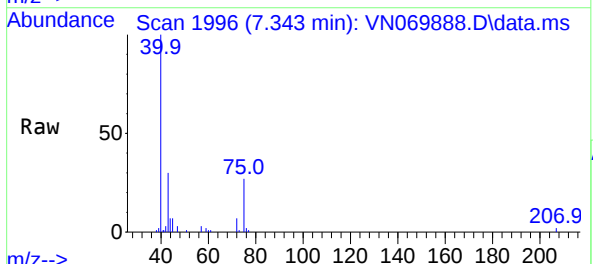
Ion	Ratio	Lower	Upper
84	100		
49	134.1	93.5	140.3
51	41.5	29.4	44.2
86	61.8	53.0	79.4

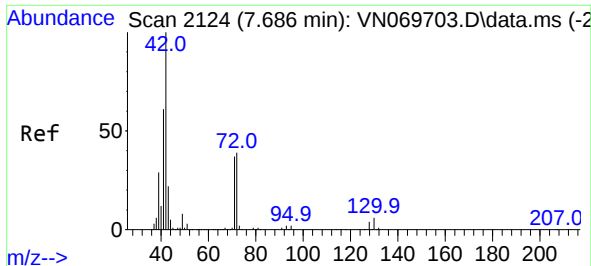


#25
2-Butanone
Concen: 1.103 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 43 Resp: 18211

Ion	Ratio	Lower	Upper
43	100		
72	24.2	21.7	32.5

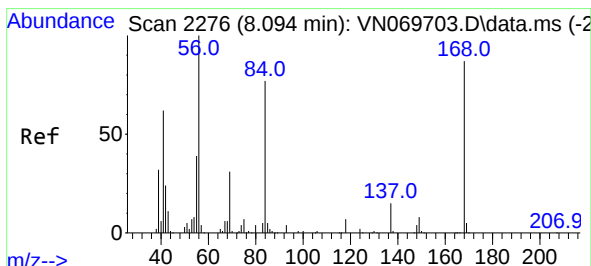
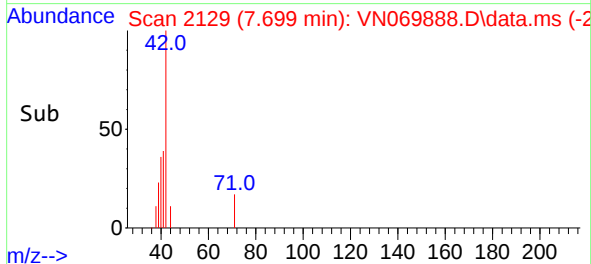
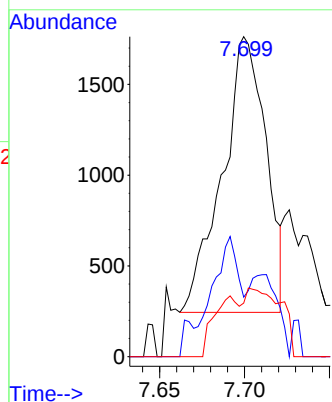
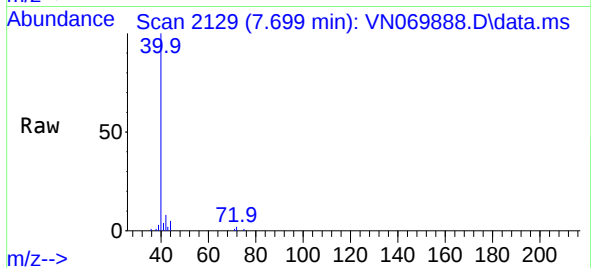




#29
Tetrahydrofuran
Concen: 0.272 ug/l
RT: 7.699 min Scan# 2124
Delta R.T. 0.014 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

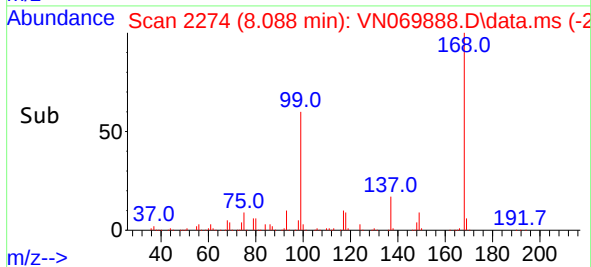
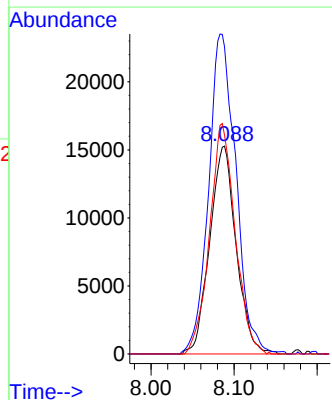
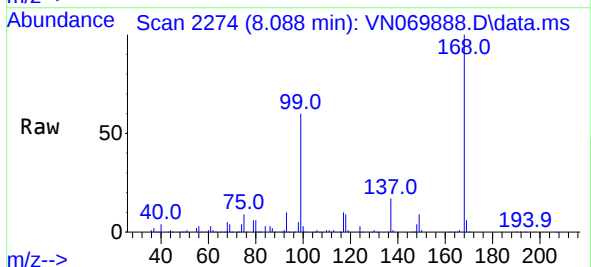
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

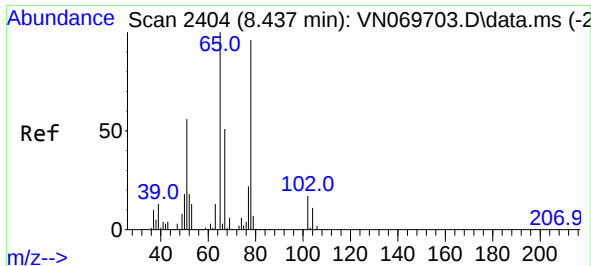
Tgt Ion: 42 Resp: 2722
Ion Ratio Lower Upper
42 100
72 17.3 36.3 54.5#
71 21.0 34.7 52.1#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 56 Resp: 33852
Ion Ratio Lower Upper
56 100
69 147.9 27.1 40.7#
84 105.3 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 51.794 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069888.D

Acq: 9 Dec 2021 3:30

Instrument :

MSVOA_N

ClientSampleId :

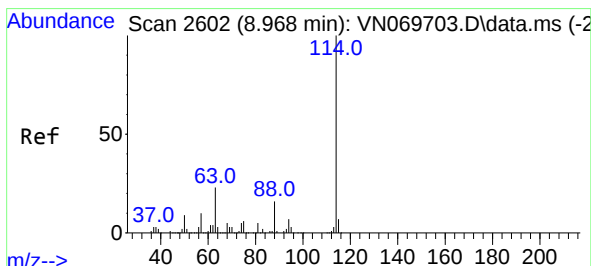
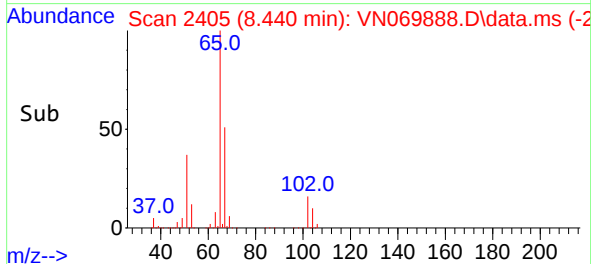
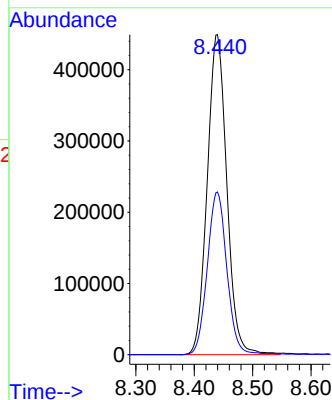
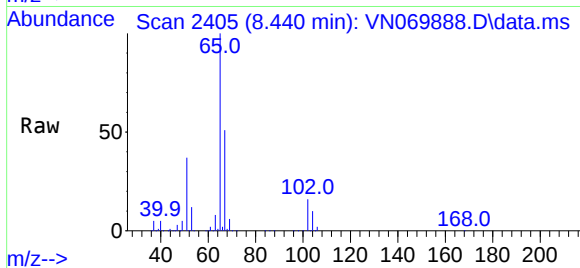
PB141231ZHE#13

Tgt Ion: 65 Resp: 1046196

Ion Ratio Lower Upper

65 100

67 50.8 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: VN069888.D

Acq: 9 Dec 2021 3:30

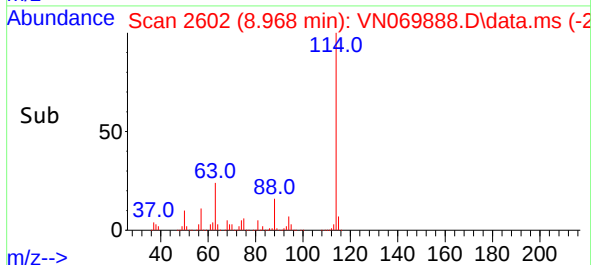
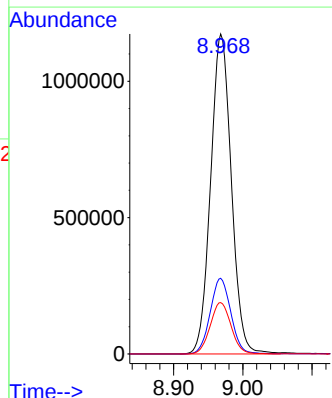
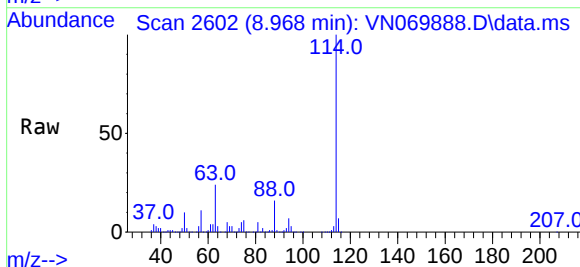
Tgt Ion:114 Resp: 2437118

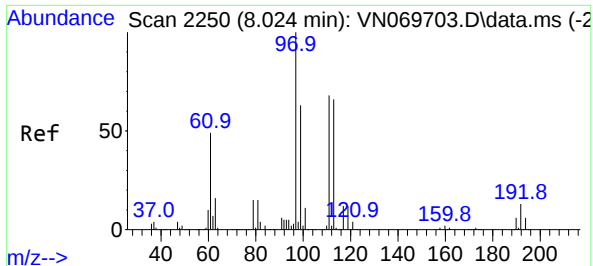
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.1 0.0 27.4

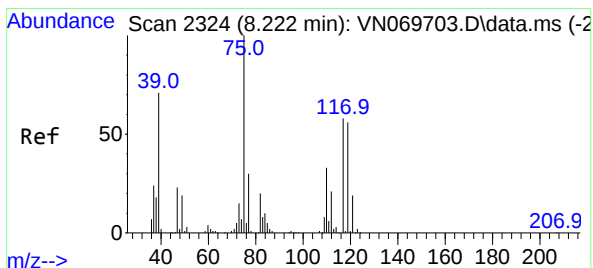
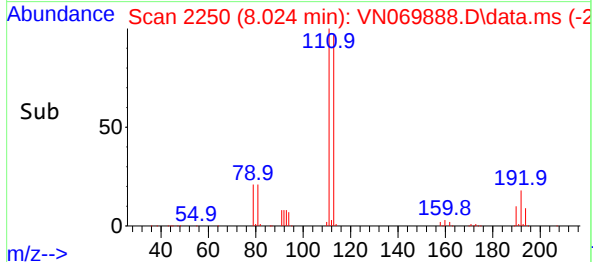
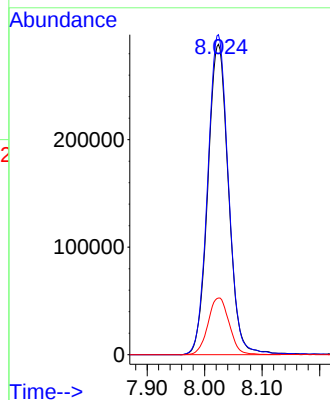
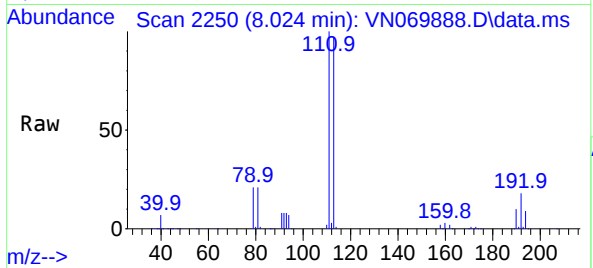




#35
Dibromofluoromethane
Concen: 47.185 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

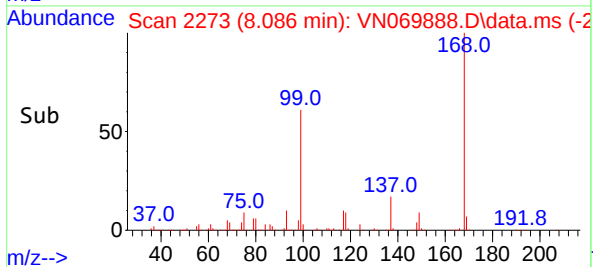
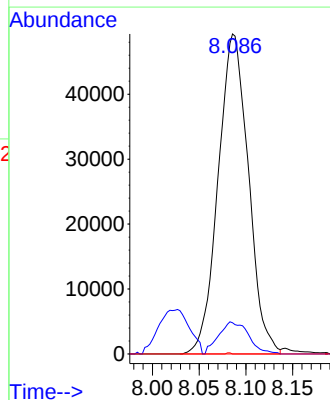
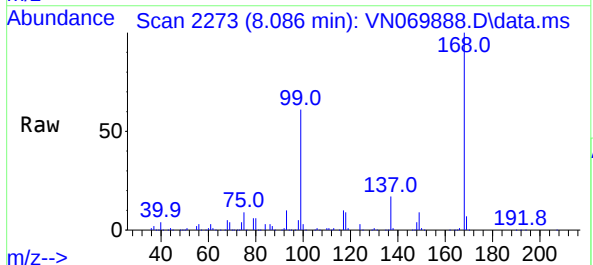
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

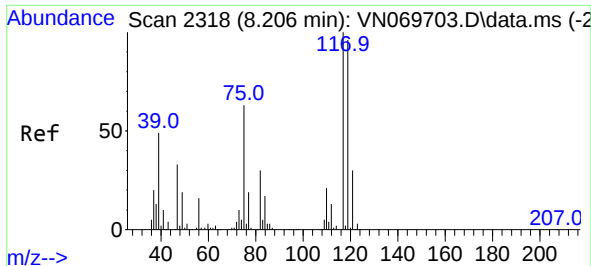
Tgt Ion:113 Resp: 720304
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.792 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

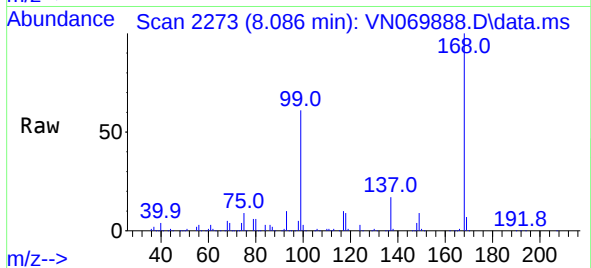
Tgt Ion: 75 Resp: 111168
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.2#
77 0.0 24.4 36.6#



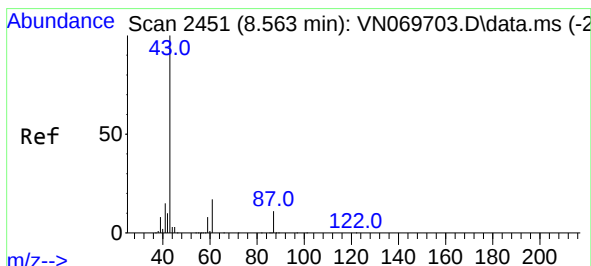
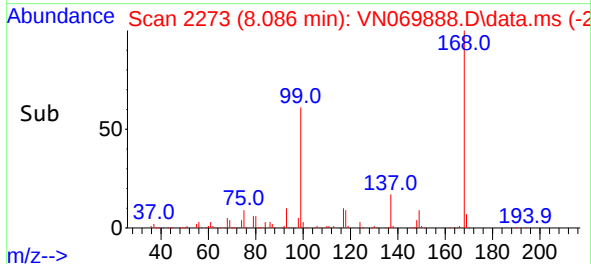
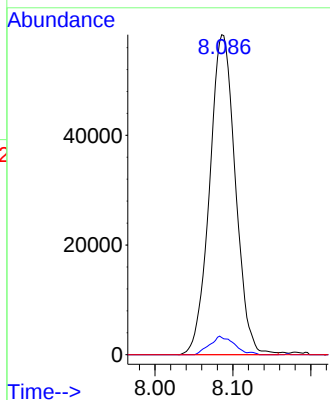


#38
Carbon Tetrachloride
Concen: 5.892 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

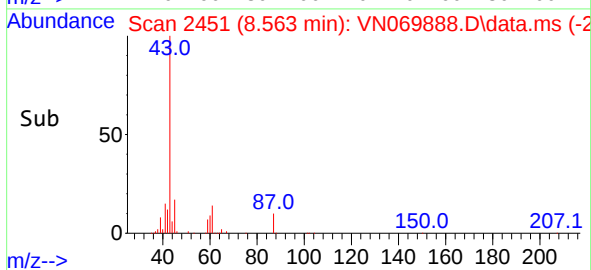
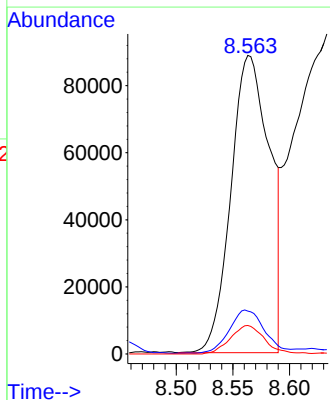
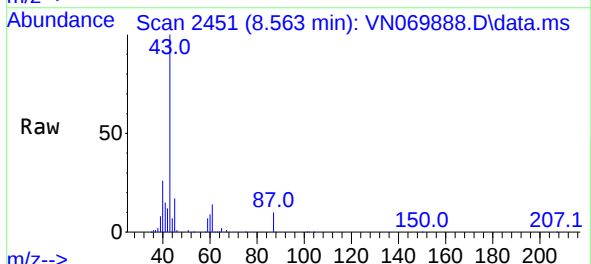


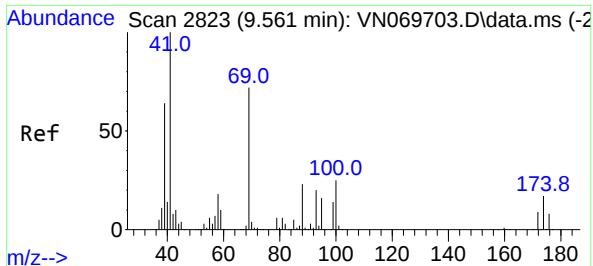
Tgt Ion:117 Resp: 134044
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.119 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 43 Resp: 210489
Ion Ratio Lower Upper
43 100
61 13.2 20.4 30.6#
87 8.5 11.2 16.8#





#48

Methyl methacrylate

Concen: 1.778 ug/l

RT: 9.542 min Scan# 2816

Delta R.T. -0.019 min

Lab File: VN069888.D

Acq: 9 Dec 2021 3:30

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#13

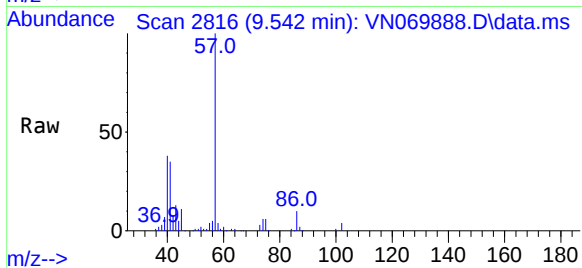
Tgt Ion: 41 Resp: 42410

Ion Ratio Lower Upper

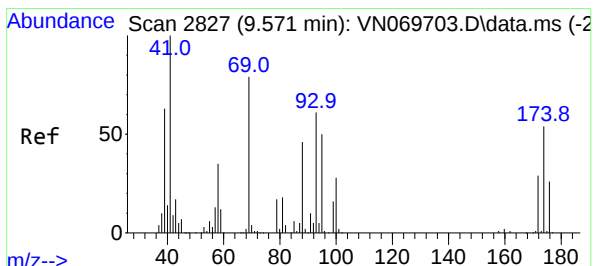
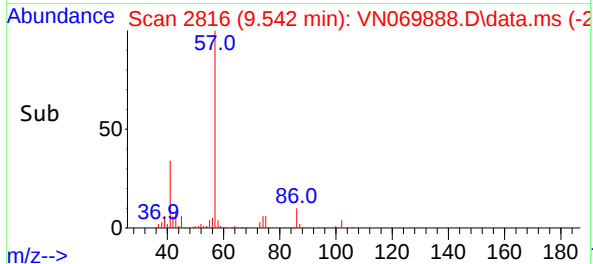
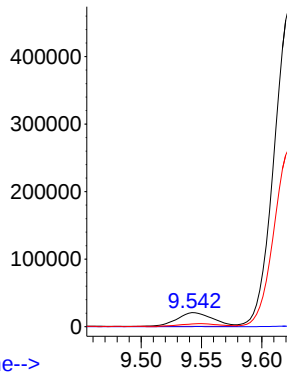
41 100

69 0.2 72.4 108.6#

39 0.0 58.4 87.6#



Abundance



#49

1,4-Dioxane

Concen: 0.206 ug/l

RT: 9.566 min Scan# 2825

Delta R.T. -0.005 min

Lab File: VN069888.D

Acq: 9 Dec 2021 3:30

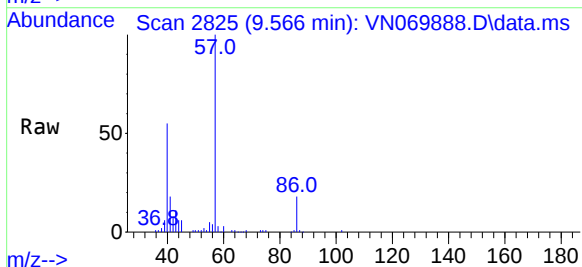
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

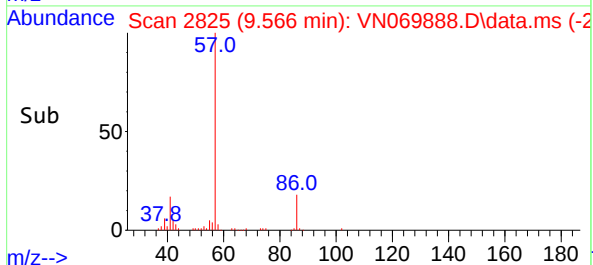
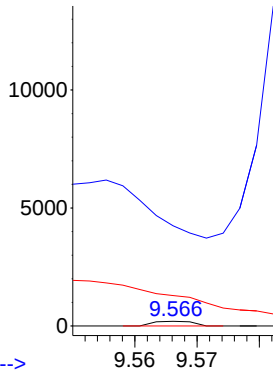
88 100

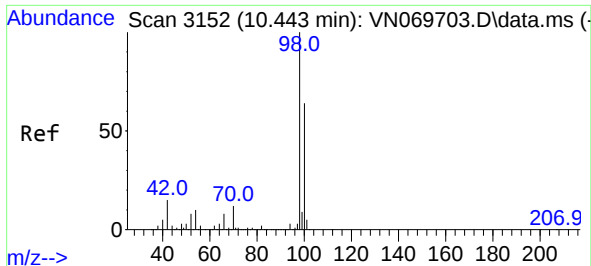
43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



Abundance

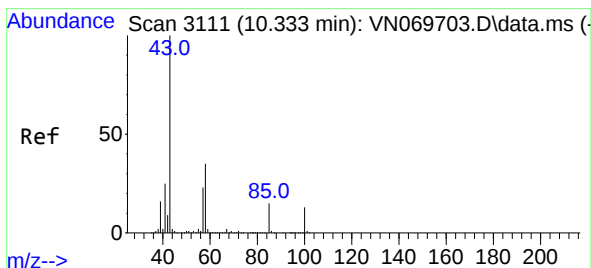
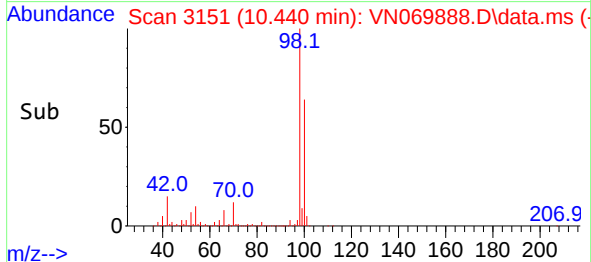
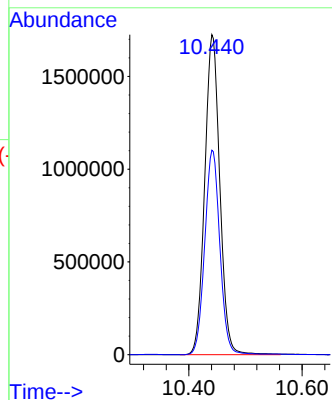
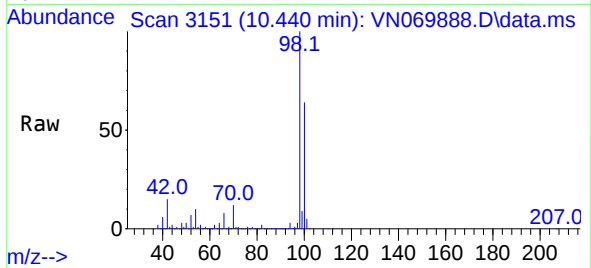




#50
Toluene-d8
Concen: 52.096 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

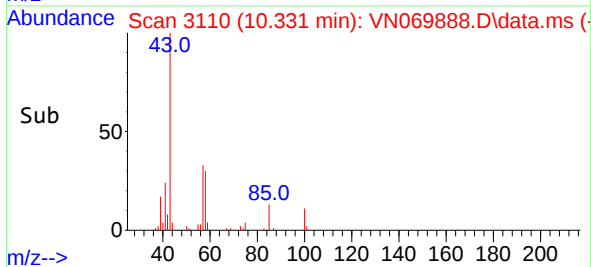
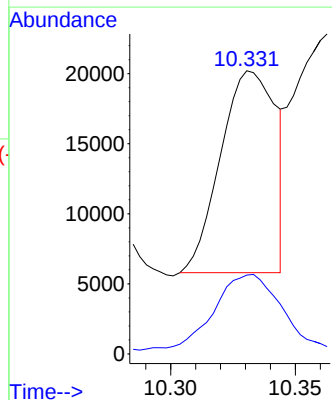
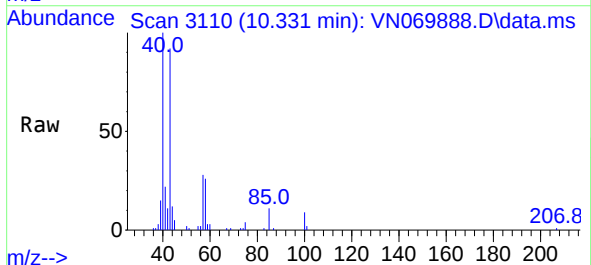
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

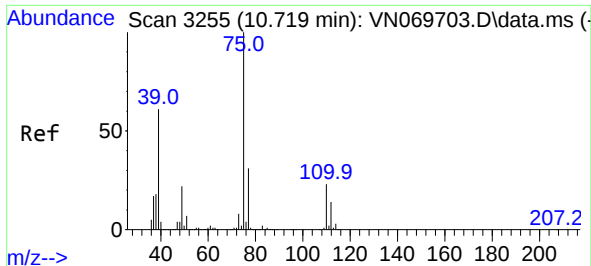
Tgt Ion: 98 Resp: 3193294
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.668 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 43 Resp: 22160
Ion Ratio Lower Upper
43 100
58 49.2 30.4 45.6#

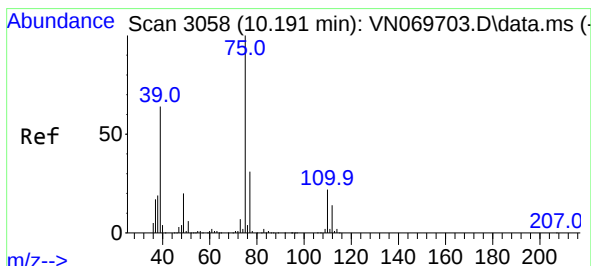
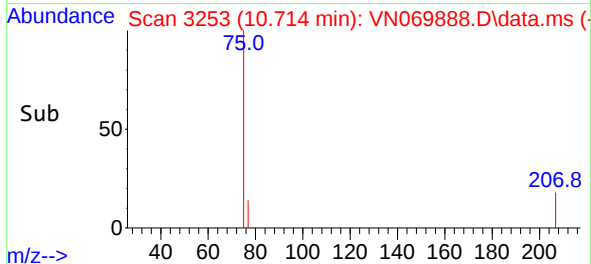
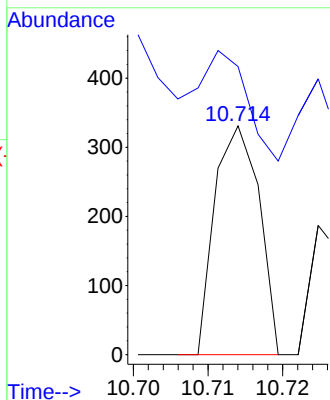
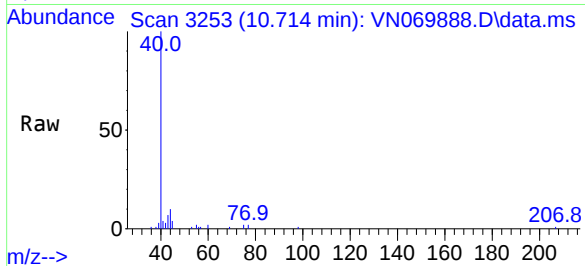




#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

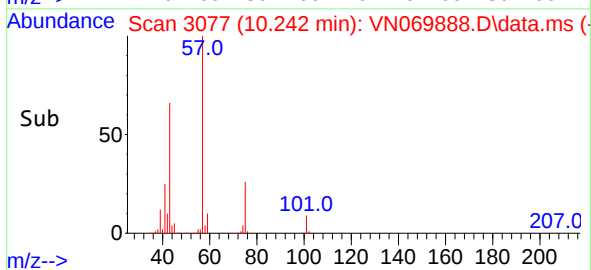
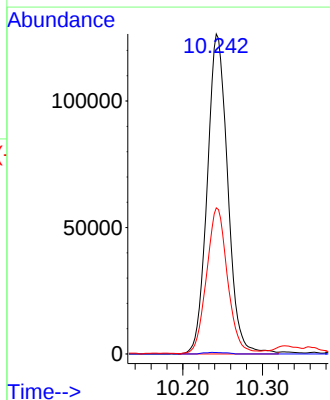
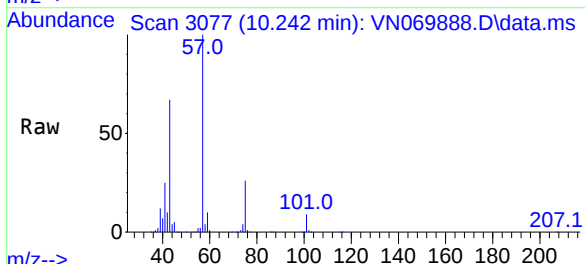
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

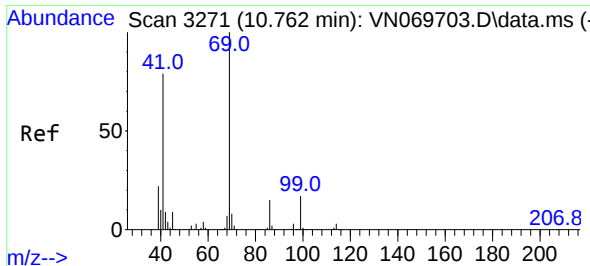
Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
77 41.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 9.292 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 75 Resp: 226802
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 45.5 42.5 63.7

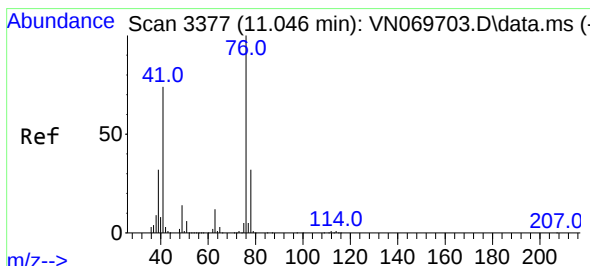
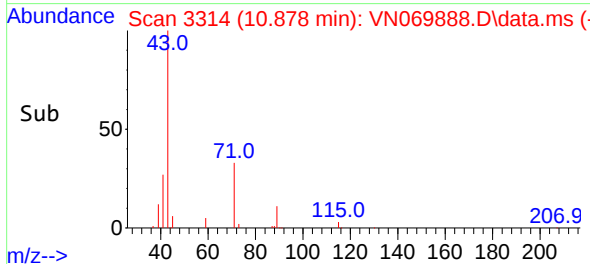
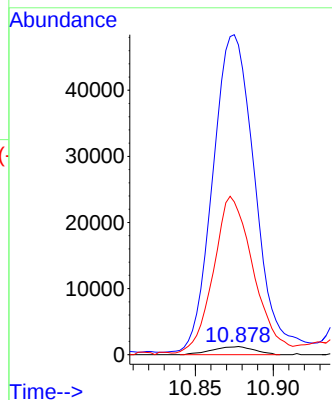
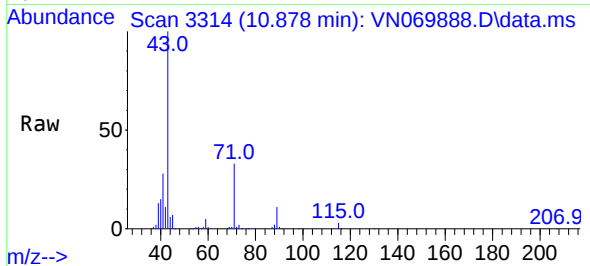




#56
Ethyl methacrylate
Concen: 2.346 ug/l
RT: 10.878 min Scan# 31
Delta R.T. 0.116 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

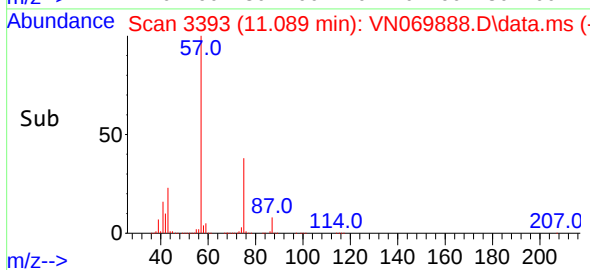
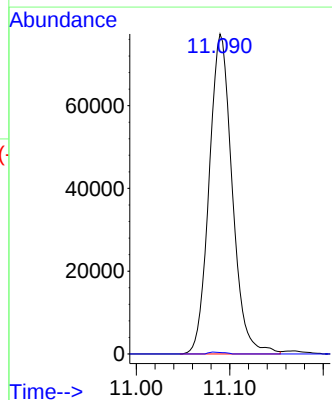
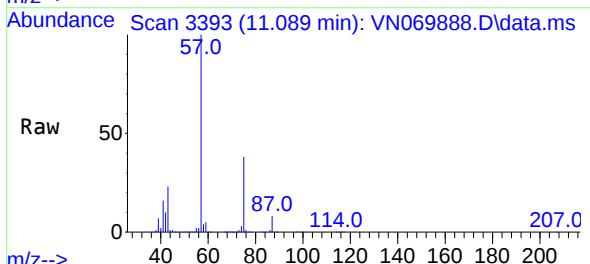
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

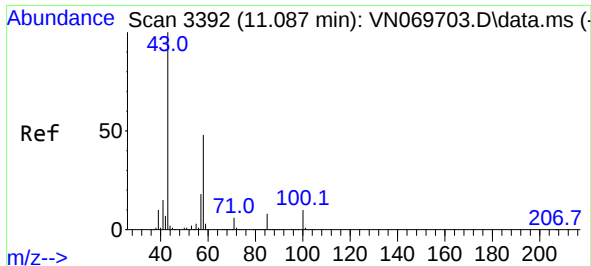
Tgt Ion: 69 Resp: 2308
Ion Ratio Lower Upper
69 100
41 3917.9 51.4 77.0#
39 1820.8 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.317 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 76 Resp: 132799
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

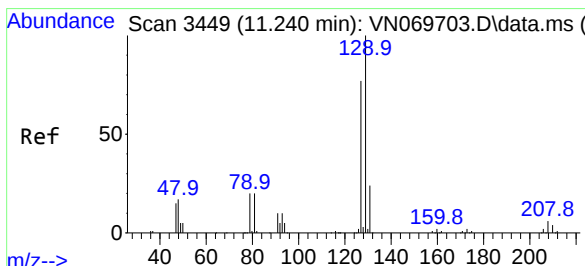
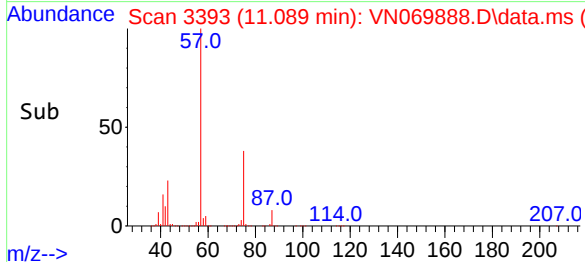
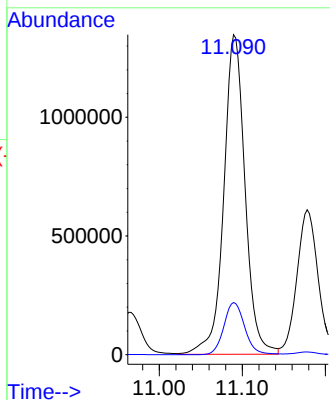
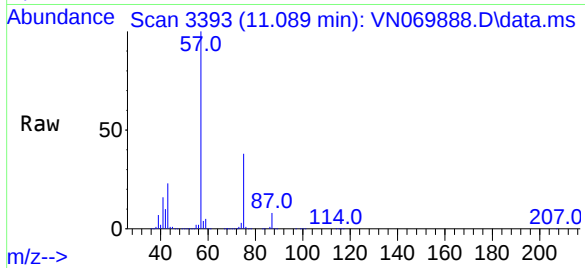




#59
2-Hexanone
Concen: 95.918 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

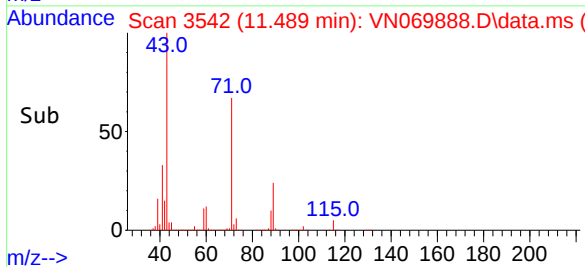
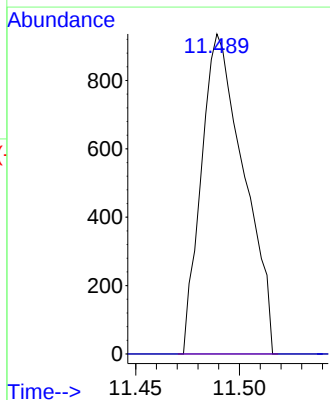
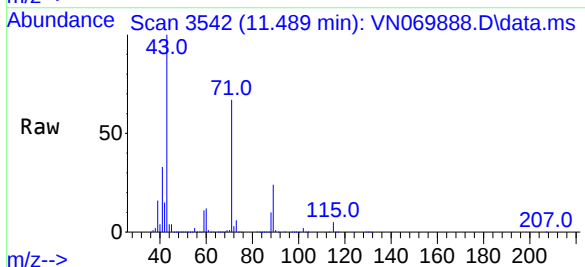
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

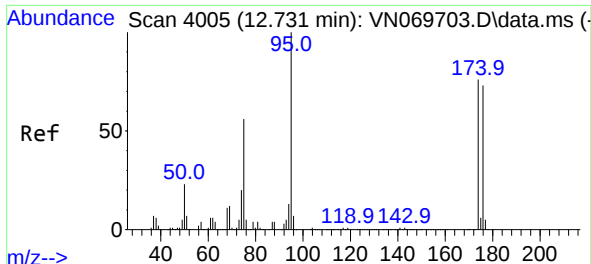
Tgt Ion: 43 Resp: 2405345
Ion Ratio Lower Upper
43 100
58 16.0 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.444 ug/l
RT: 11.489 min Scan# 3542
Delta R.T. 0.249 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 129 Resp: 1338
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

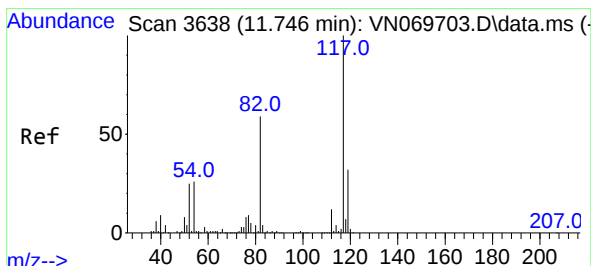
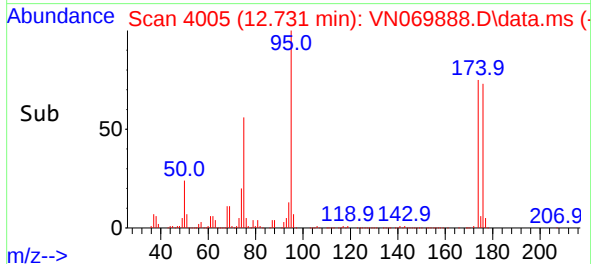
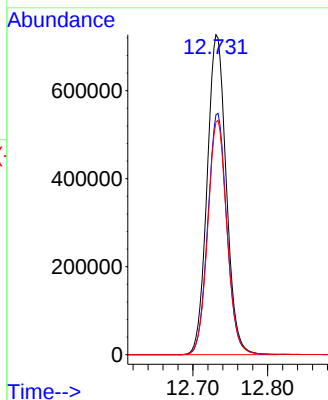
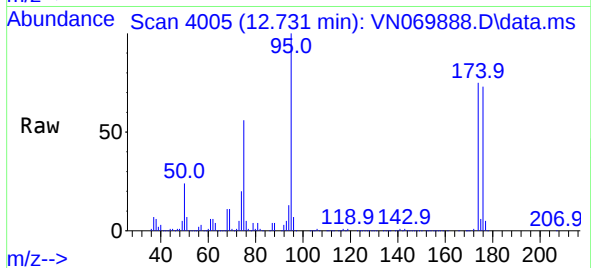




#62
4-Bromofluorobenzene
Concen: 58.176 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

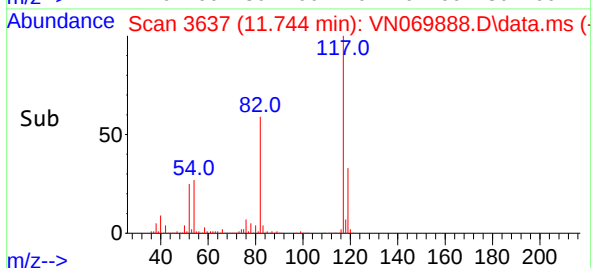
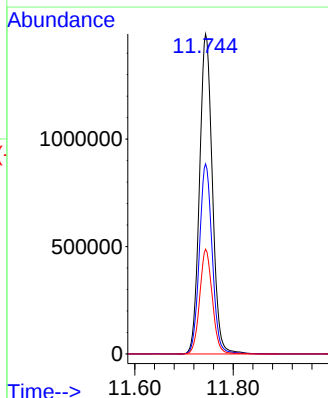
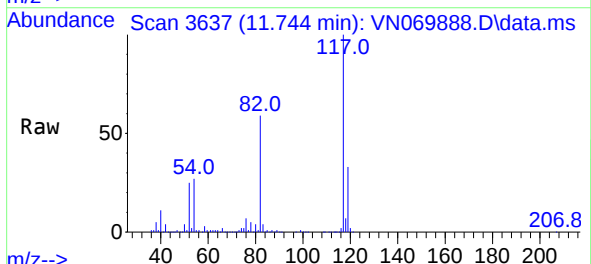
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

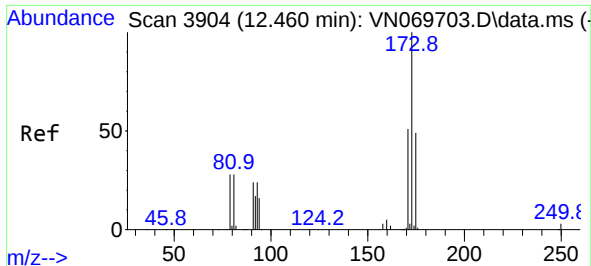
Tgt Ion: 95 Resp: 1291884
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 117 Resp: 2697258
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.8 25.4 38.2

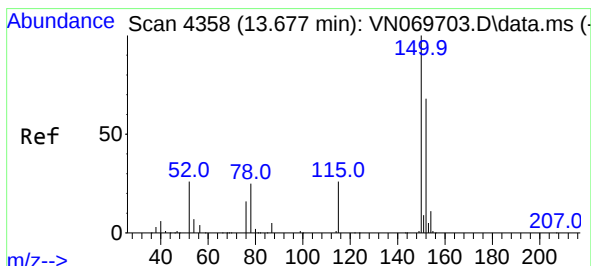
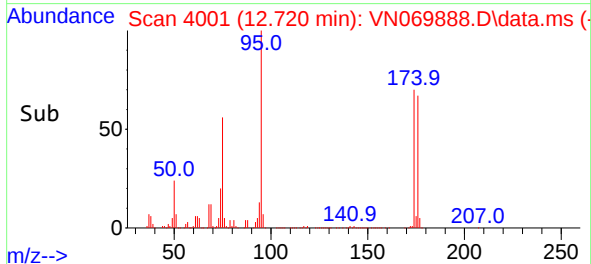
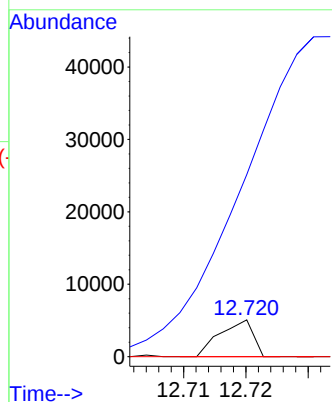
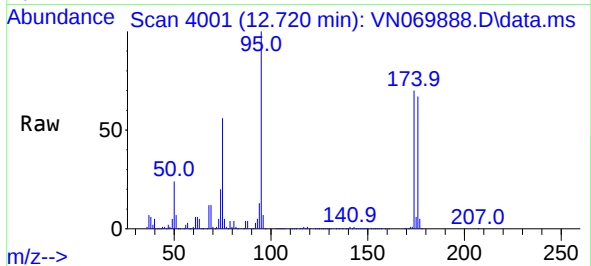




#71
Bromoform
Concen: 2.839 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

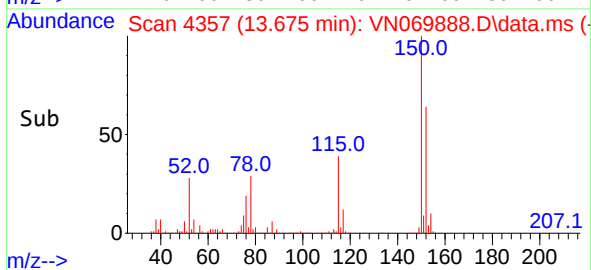
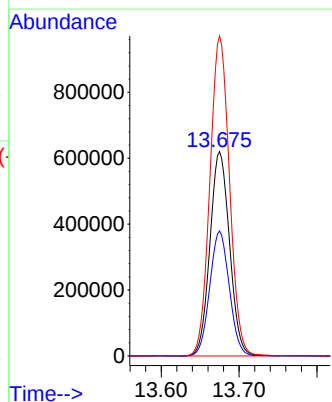
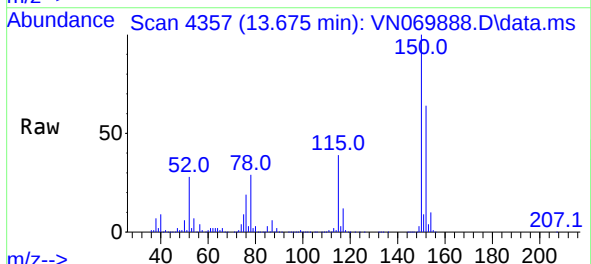
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

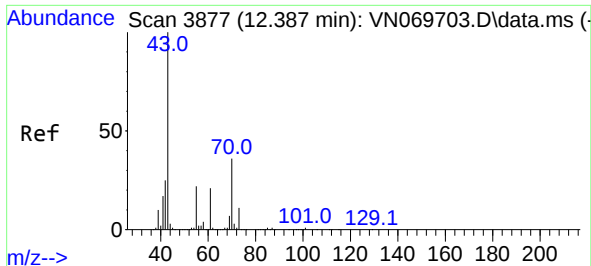
Tgt Ion:173 Resp: 1889
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion:152 Resp: 1085236
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 155.9 0.0 344.4

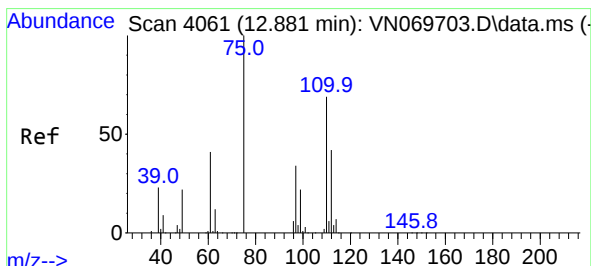
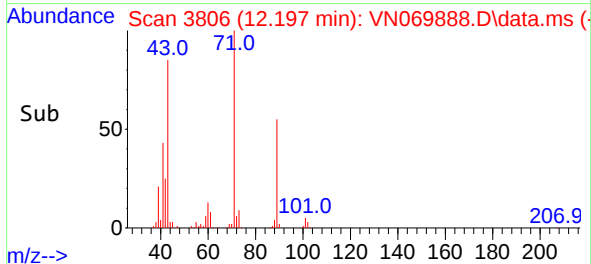
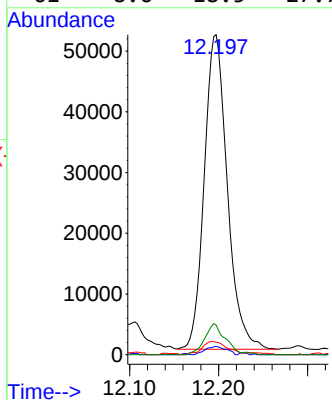
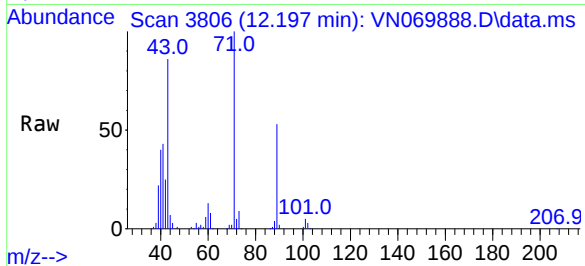




#74
N-amy1 acetate
Concen: 2.188 ug/l
RT: 12.197 min Scan# 31
Delta R.T. -0.190 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

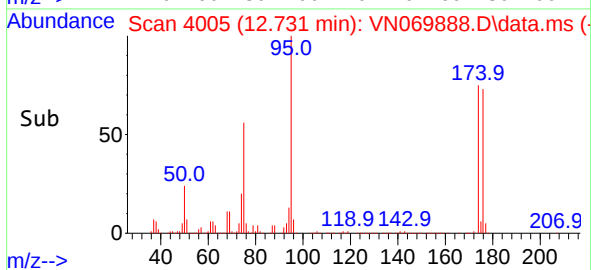
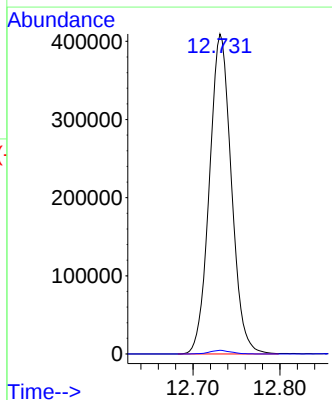
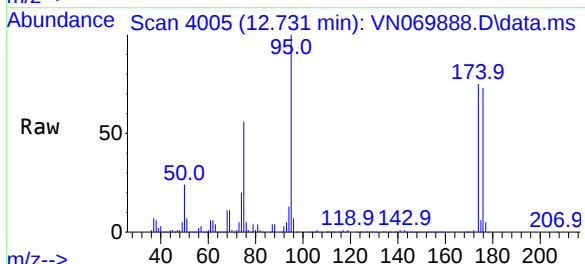
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

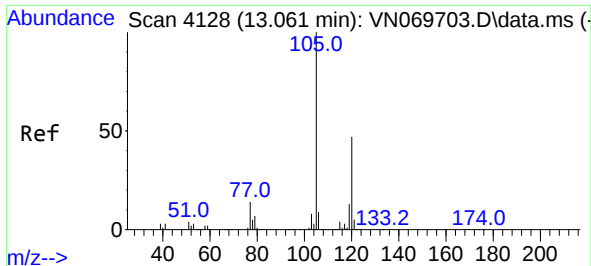
Tgt Ion: 43	Resp: 93409
Ion Ratio	Lower Upper
43	100
70	2.4 33.4 50.0#
55	4.6 19.3 28.9#
61	8.6 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 23.091 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 75	Resp: 718627
Ion Ratio	Lower Upper
75	100
77	1.1 82.6 247.8#

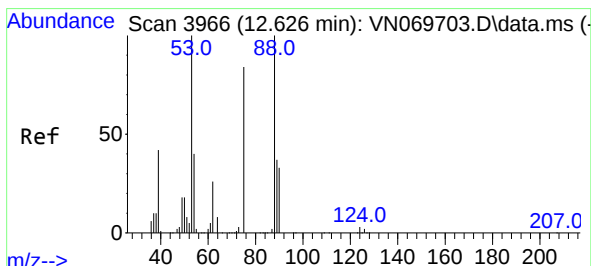
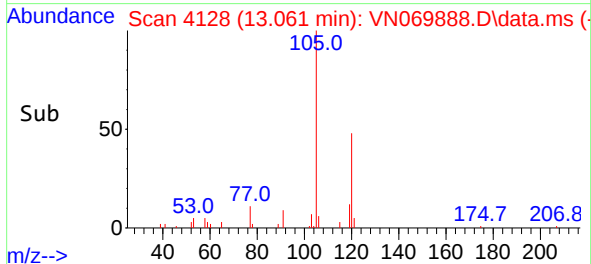
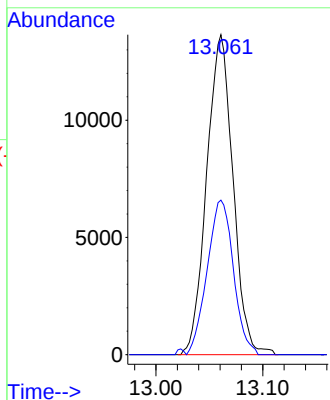
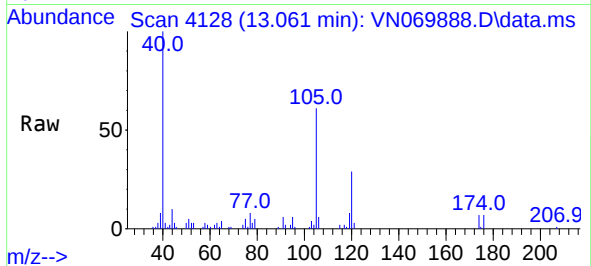




#80
1,3,5-Trimethylbenzene
Concen: 0.301 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

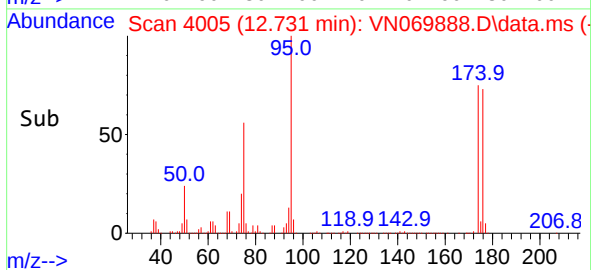
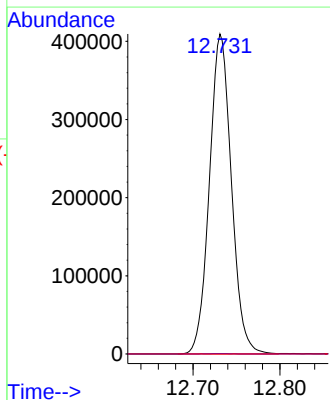
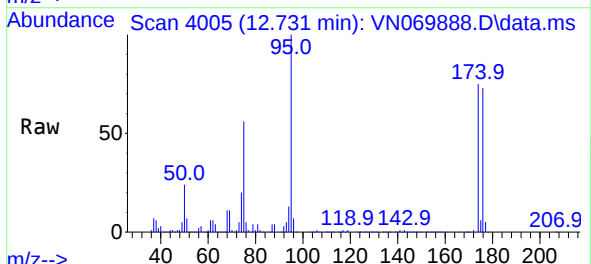
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

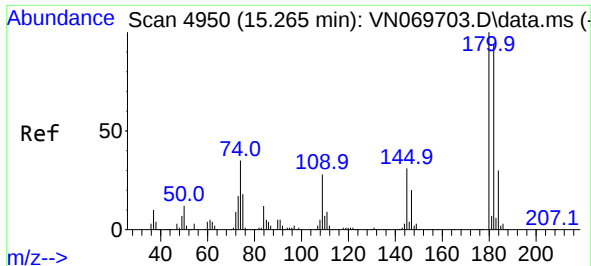
Tgt Ion:105 Resp: 23371
Ion Ratio Lower Upper
105 100
120 48.2 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 73.496 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

Tgt Ion: 75 Resp: 718627
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

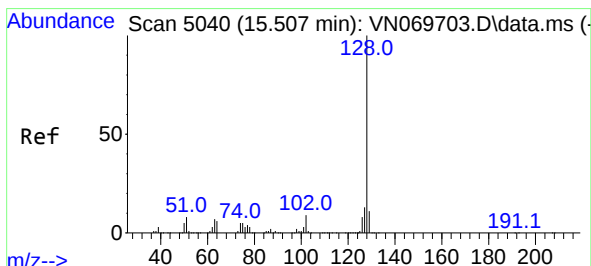
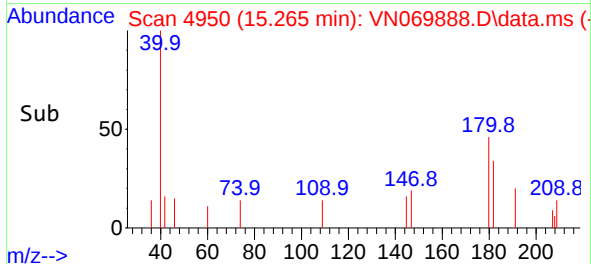
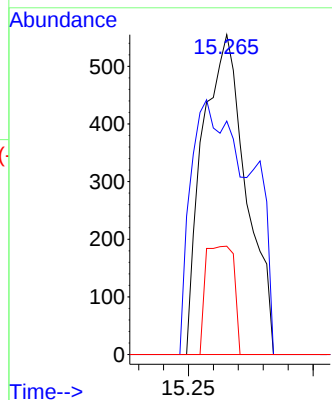
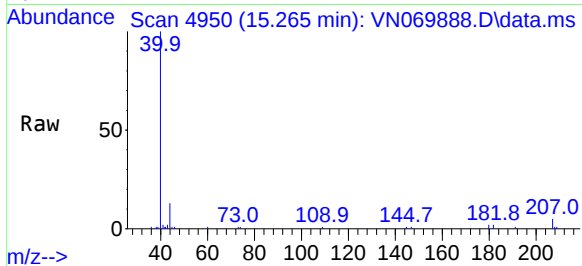




#93
1,2,4-Trichlorobenzene
Concen: 2.914 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

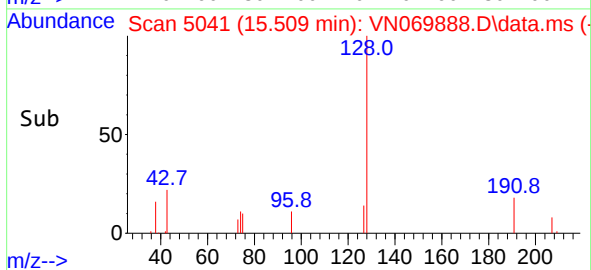
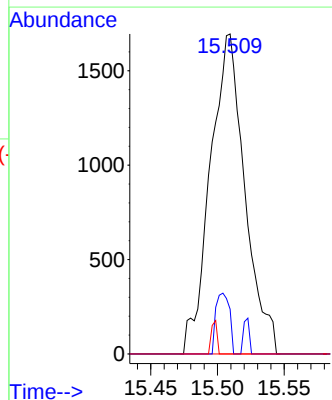
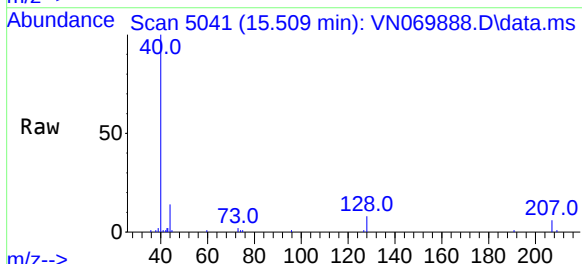
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#13

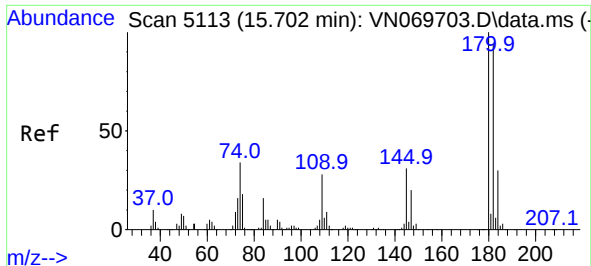
Tgt Ion:180 Resp: 674
Ion Ratio Lower Upper
180 100
182 86.5 48.3 144.9
145 22.0 14.5 43.5



#95
Naphthalene
Concen: 4.038 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069888.D
Acq: 9 Dec 2021 3:30

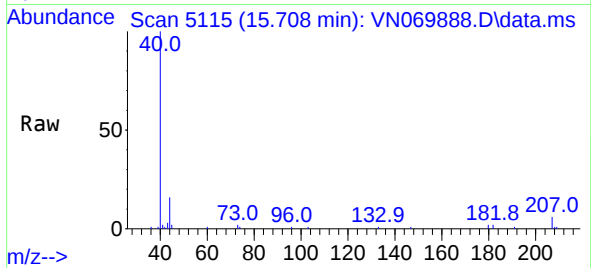
Tgt Ion:128 Resp: 3056
Ion Ratio Lower Upper
128 100
127 7.4 10.5 15.7#
129 1.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.457 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN069888.D
 Acq: 9 Dec 2021 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#13



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	15.0	45.1#

