

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069936.D
 Acq On : 10 Dec 2021 2:31
 Operator : JC/MD
 Sample : PB141262ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141262ZHE#02

Quant Time: Dec 10 08:12:50 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)

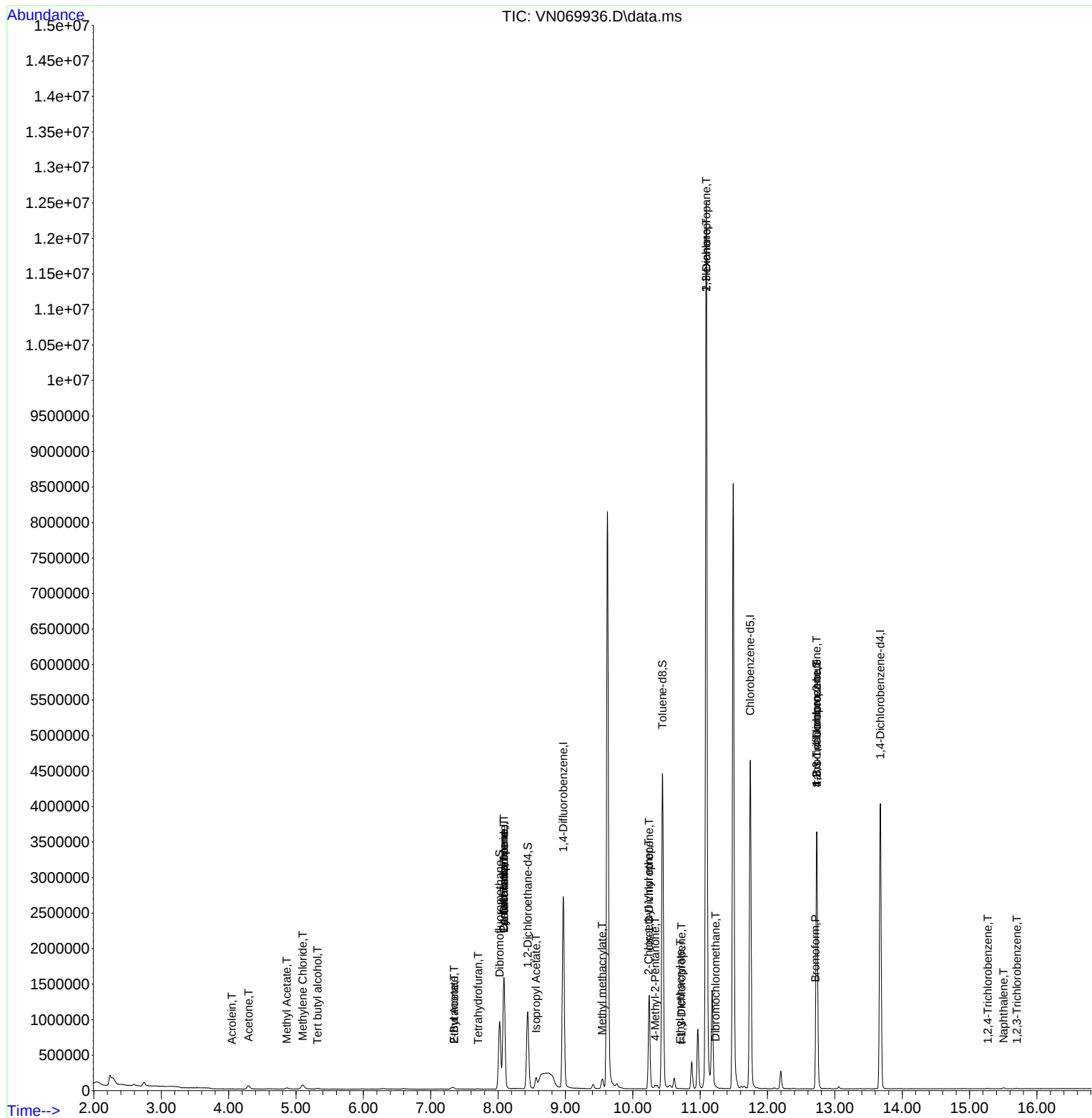
Internal Standards						
1) Pentafluorobenzene	8.088	168	1179108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2242611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2556311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1054944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	936538	51.443	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.880%			
35) Dibromofluoromethane	8.024	113	683736	48.674	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.340%			
50) Toluene-d8	10.440	98	2988333	52.981	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.731	95	1249508	61.148	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 122.300%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.318	59	10097	2.934	ug/l #	71
13) Acrolein	4.049	56	760	0.259	ug/l	84
16) Acetone	4.296	43	85272	7.786	ug/l	96
18) Methyl Acetate	4.865	43	35494	1.074	ug/l #	83
20) Methylene Chloride	5.098	84	39337	2.702	ug/l #	86
25) 2-Butanone	7.348	43	16010	1.076	ug/l	90
29) Tetrahydrofuran	7.702	42	3288	0.364	ug/l #	89
31) Cyclohexane	8.086	56	30054	1.186	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	100838	4.723	ug/l #	49
37) Ethyl Acetate	7.348	43	16010	0.504	ug/l #	71
38) Carbon Tetrachloride	8.088	117	118716	5.671	ug/l #	16
43) Isopropyl Acetate	8.566	43	186584	3.968	ug/l #	81
48) Methyl methacrylate	9.545	41	38555	1.757	ug/l #	8
51) 4-Methyl-2-Pentanone	10.333	43	23015	0.754	ug/l	94
53) t-1,3-Dichloropropene	10.722	75	378	2.808	ug/l	90
54) cis-1,3-Dichloropropene	10.242	75	210575	9.358	ug/l #	71
56) Ethyl methacrylate	10.703	69	904	2.308	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	125511	4.434	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.234	63	99	18.400	ug/l #	45
59) 2-Hexanone	11.089	43	2226457	96.485	ug/l #	47
60) Dibromochloromethane	11.229	129	57	2.379	ug/l #	11
71) Bromoform	12.712	173	874	2.784	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	702091	23.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	702091	73.846	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	2074	2.991	ug/l	93
95) Naphthalene	15.504	128	12402	4.207	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.702	180	2739	2.590	ug/l	93

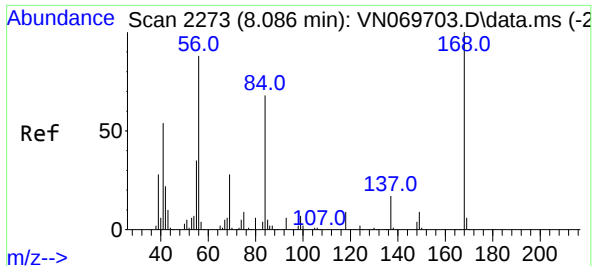
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
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Misc : 5.00mL/MSVOA_N/WATER
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

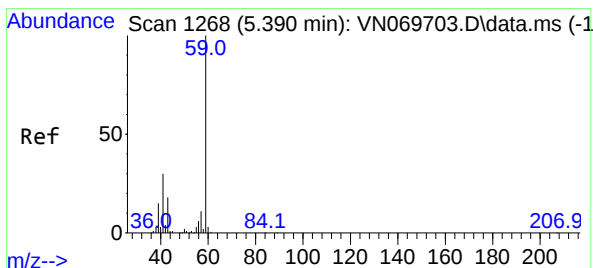
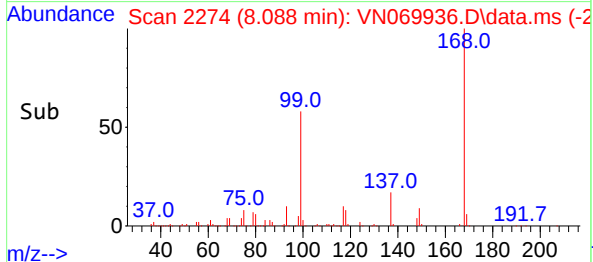
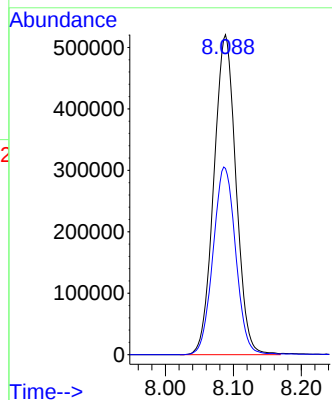
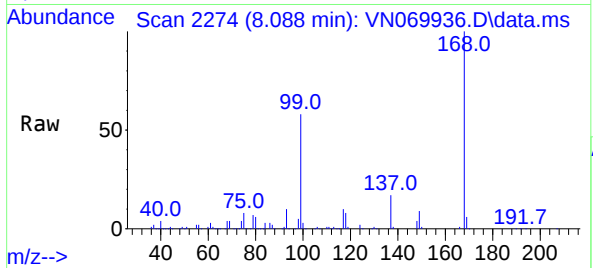




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

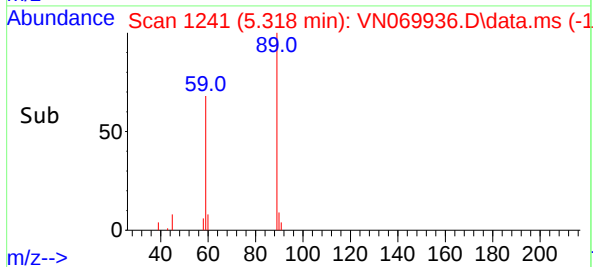
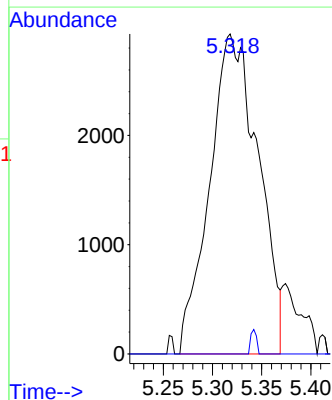
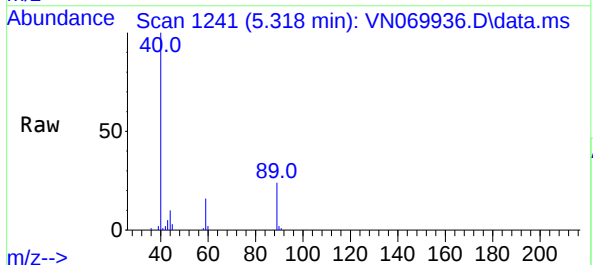
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

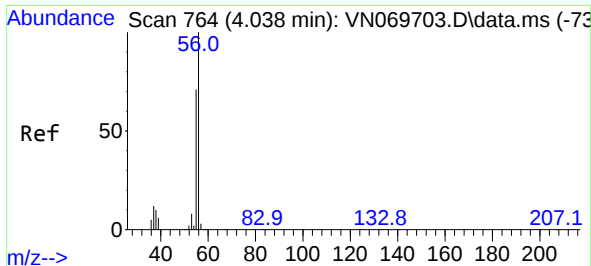
Tgt Ion:168 Resp: 1179108
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 2.934 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 59 Resp: 10097
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

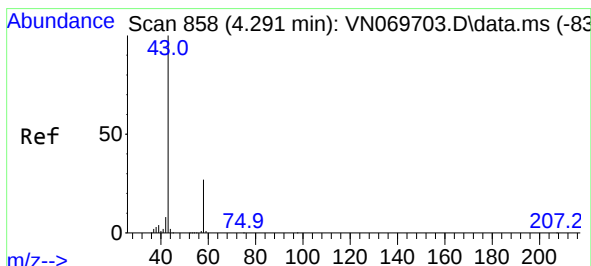
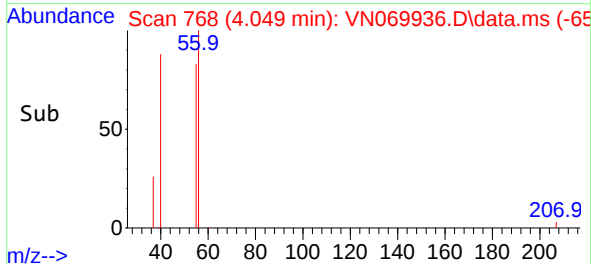
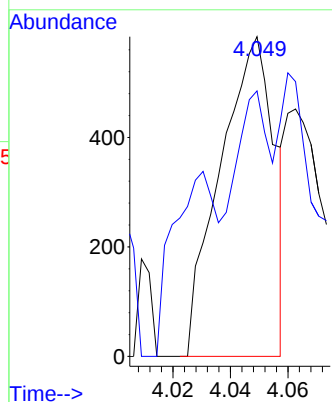
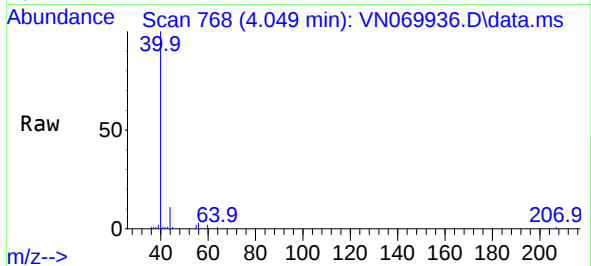




#13
Acrolein
Concen: 0.259 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

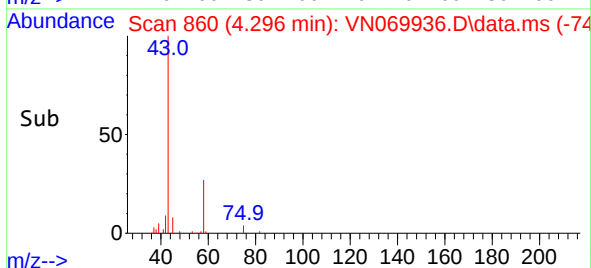
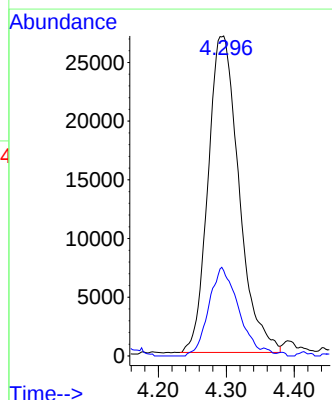
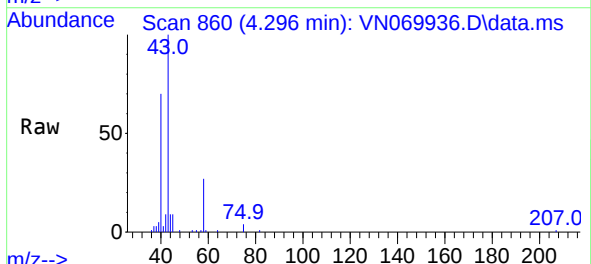
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

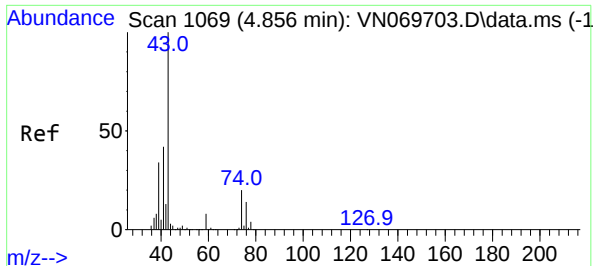
Tgt Ion: 56 Resp: 760
Ion Ratio Lower Upper
56 100
55 57.5 56.6 85.0



#16
Acetone
Concen: 7.786 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 43 Resp: 85272
Ion Ratio Lower Upper
43 100
58 27.0 23.1 34.7

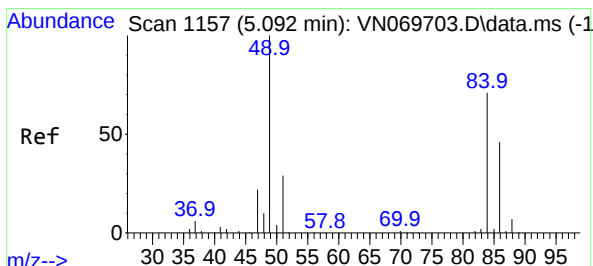
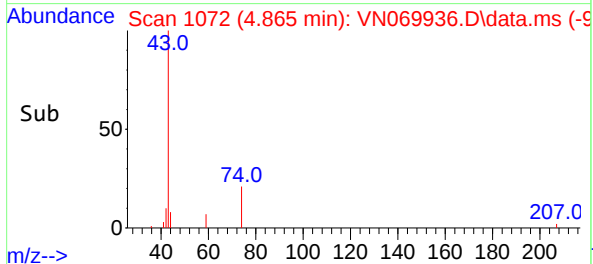
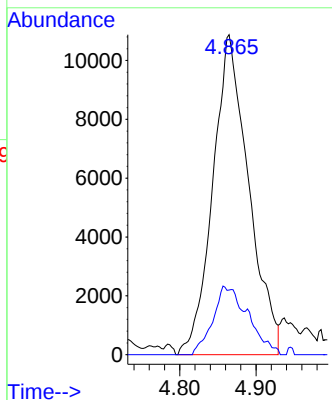
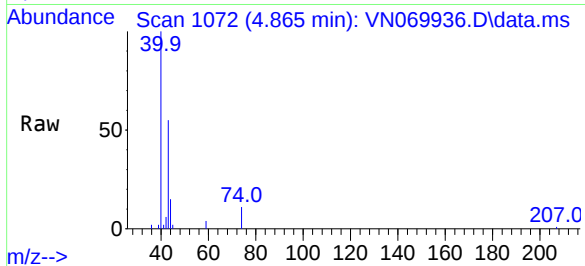




#18
Methyl Acetate
Concen: 1.074 ug/l
RT: 4.865 min Scan# 1107
Delta R.T. 0.008 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

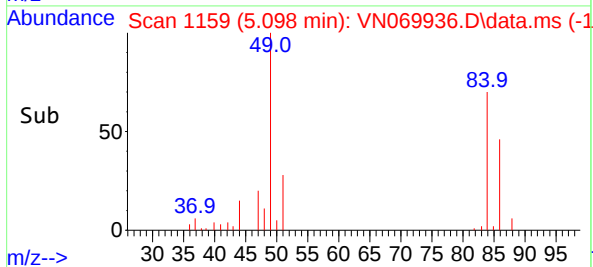
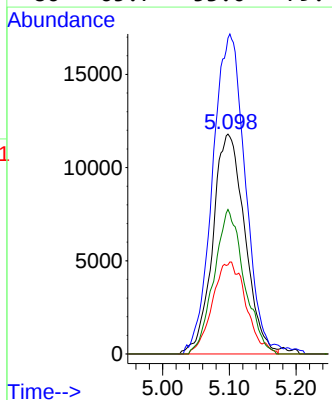
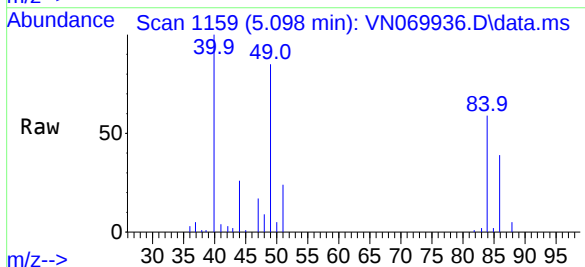
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

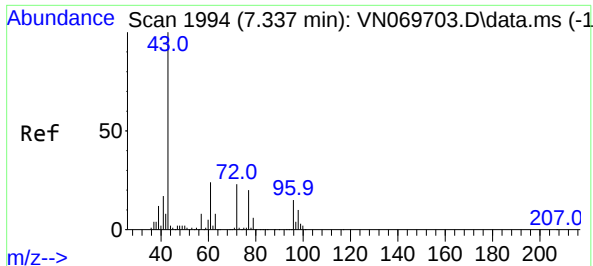
Tgt Ion: 43 Resp: 35494
Ion Ratio Lower Upper
43 100
74 15.7 19.4 29.2#



#20
Methylene Chloride
Concen: 2.702 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 84 Resp: 39337
Ion Ratio Lower Upper
84 100
49 143.7 93.5 140.3#
51 40.6 29.4 44.2
86 65.7 53.0 79.4

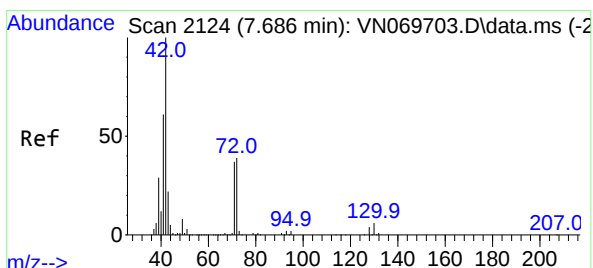
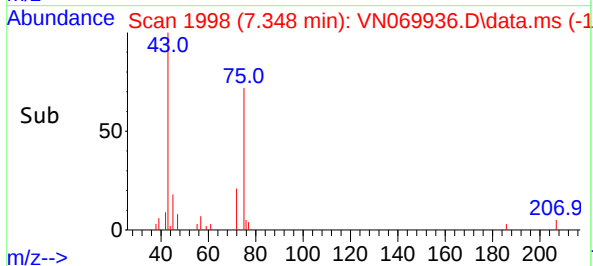
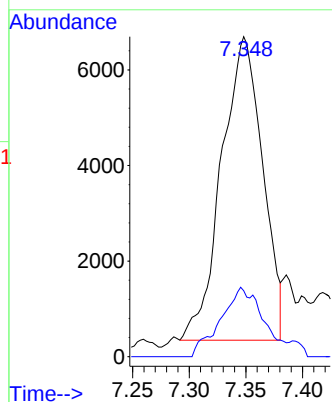
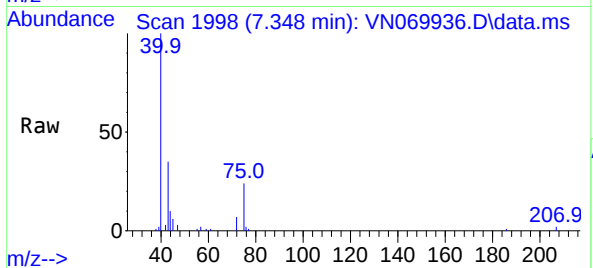




#25
2-Butanone
Concen: 1.076 ug/l
RT: 7.348 min Scan# 1994
Delta R.T. 0.011 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

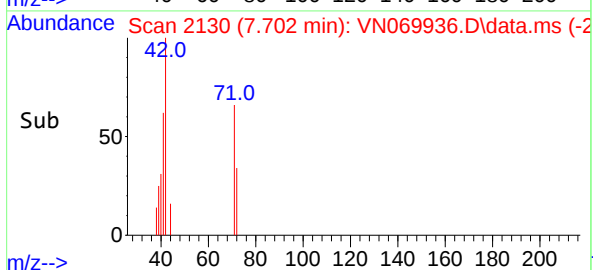
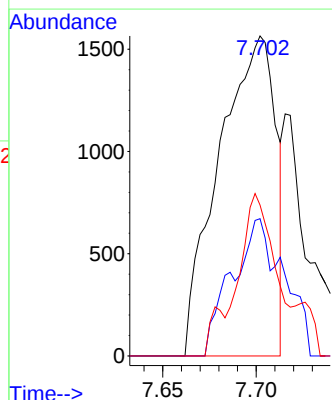
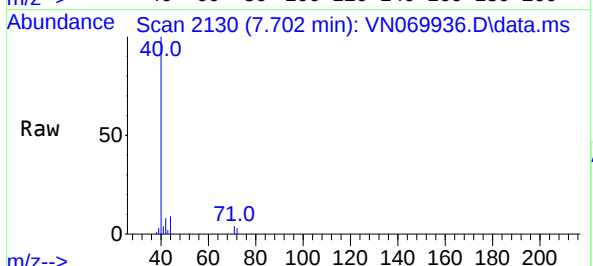
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

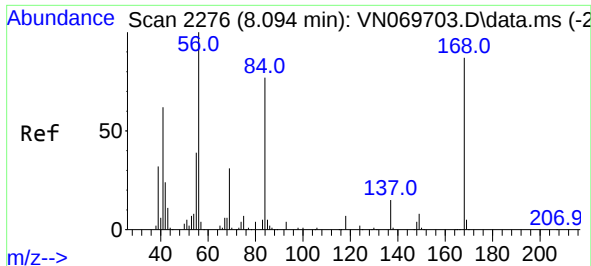
Tgt Ion: 43 Resp: 16010
Ion Ratio Lower Upper
43 100
72 21.7 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.364 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.016 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

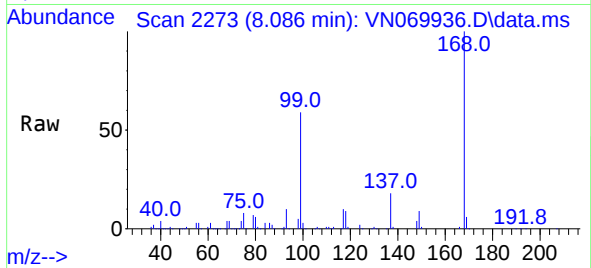
Tgt Ion: 42 Resp: 3288
Ion Ratio Lower Upper
42 100
72 39.3 36.3 54.5
71 34.5 34.7 52.1#



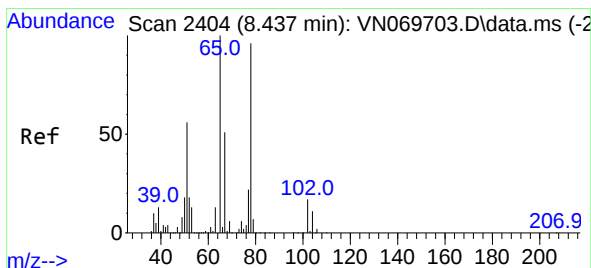
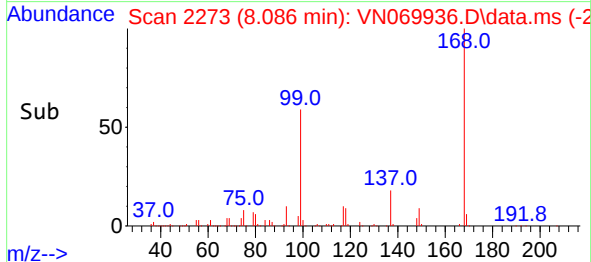
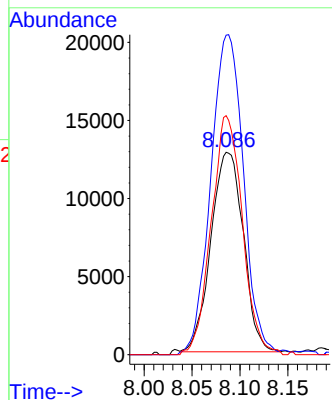


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

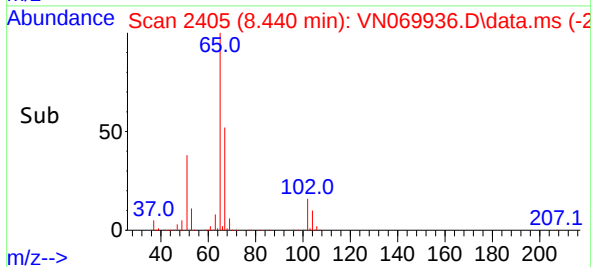
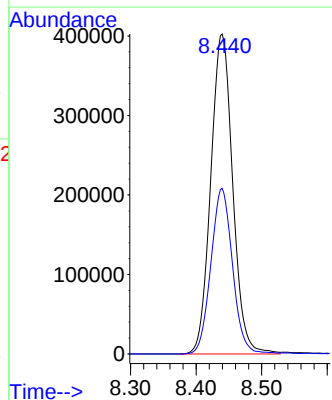
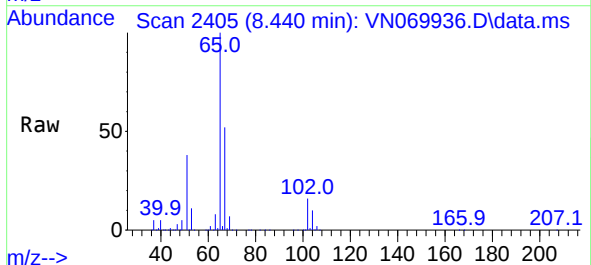


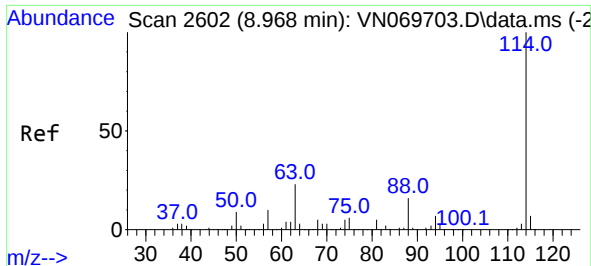
Tgt Ion: 56 Resp: 30054
Ion Ratio Lower Upper
56 100
69 158.9 27.1 40.7#
84 119.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.443 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 65 Resp: 936538
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0

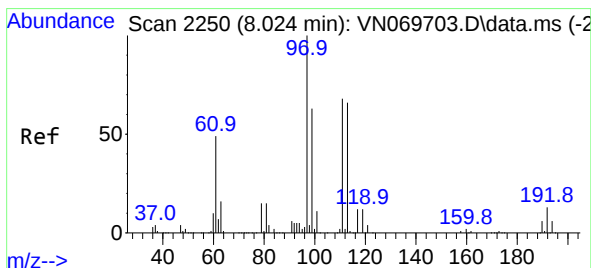
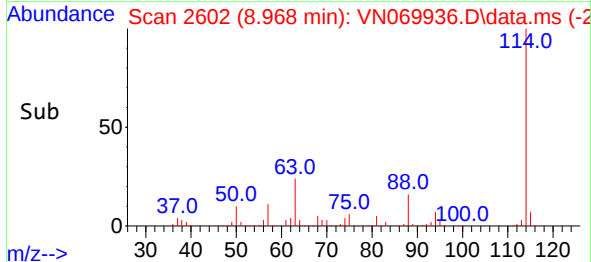
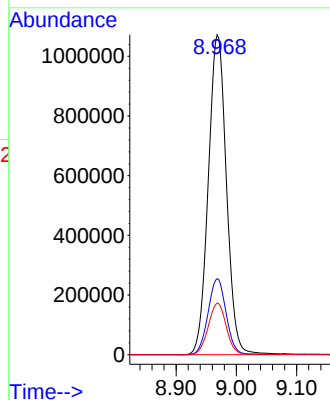
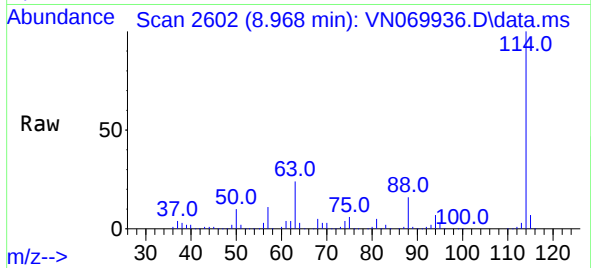




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

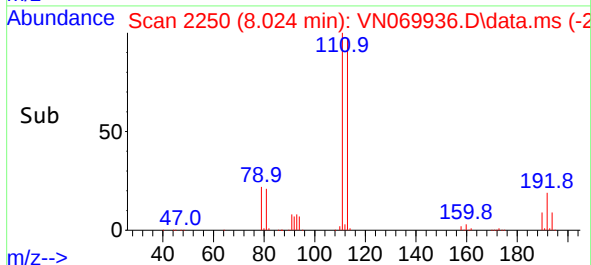
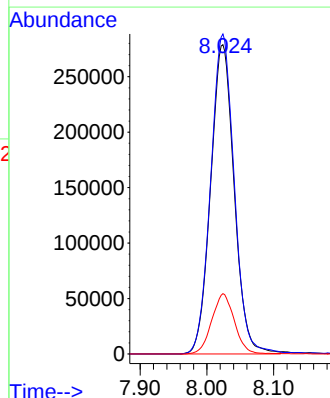
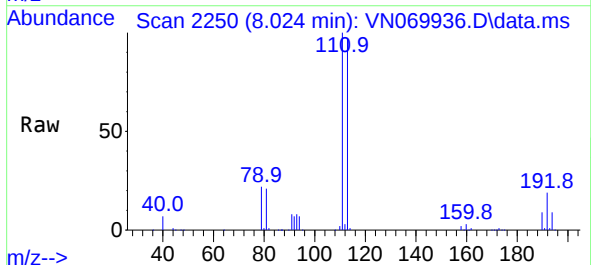
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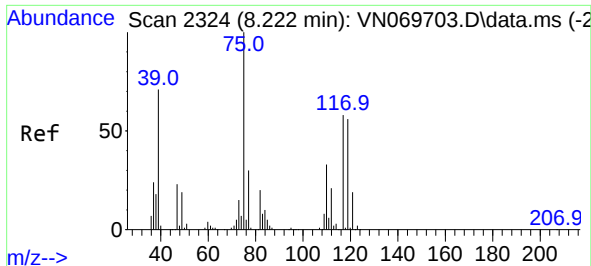
Tgt Ion:114 Resp: 2242611
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.674 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion:113 Resp: 683736
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.7 16.9 25.3

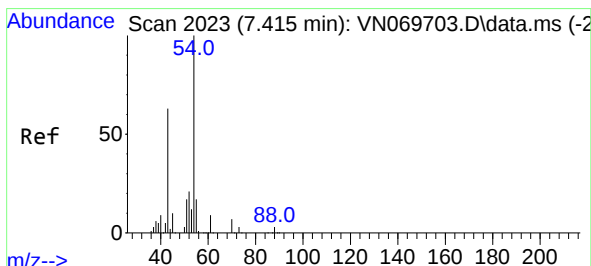
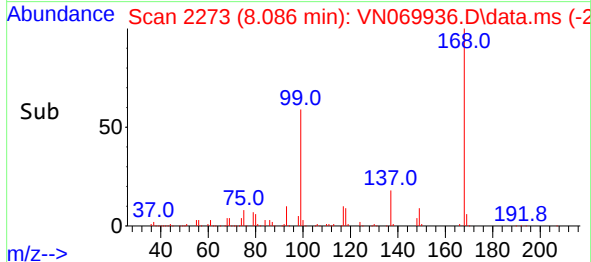
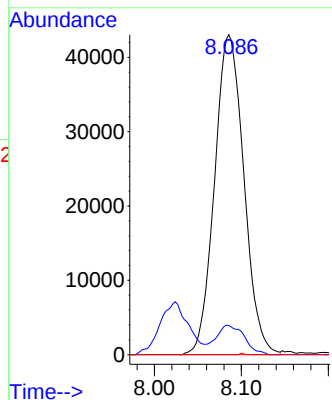
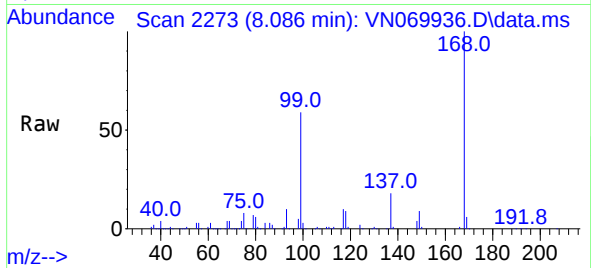




#36
1,1-Dichloropropene
Concen: 4.723 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

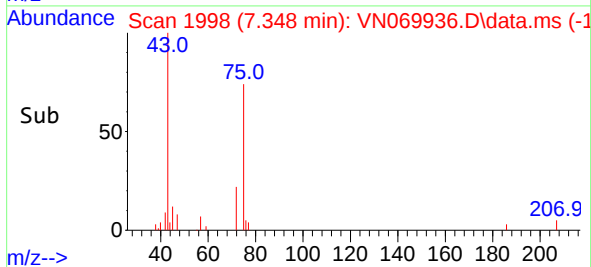
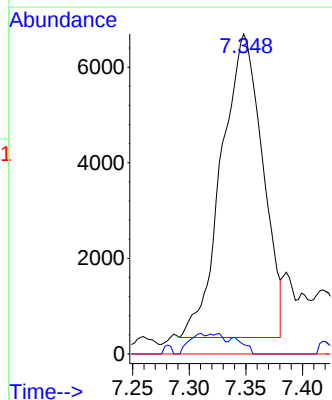
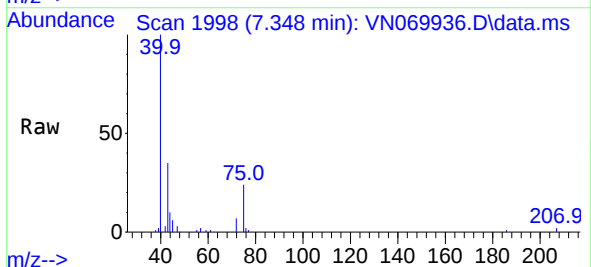
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

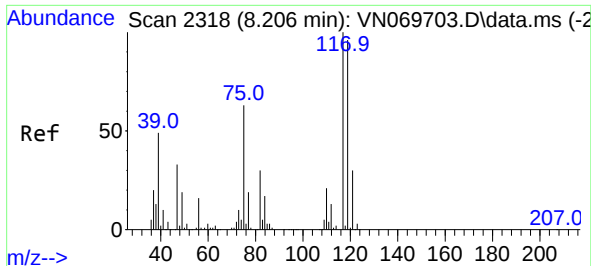
Tgt Ion: 75 Resp: 100838
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.1 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.504 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

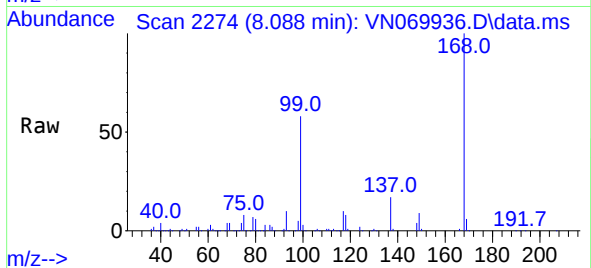
Tgt Ion: 43 Resp: 16010
Ion Ratio Lower Upper
43 100
61 1.8 11.5 17.3#
70 0.0 7.9 11.9#



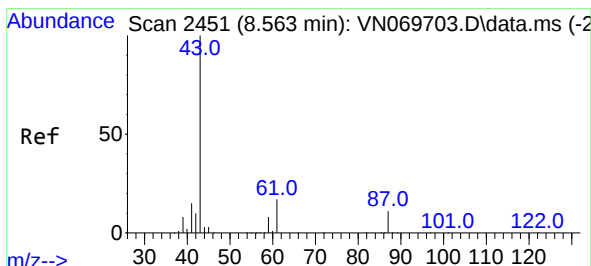
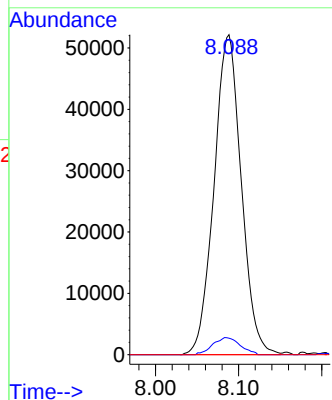
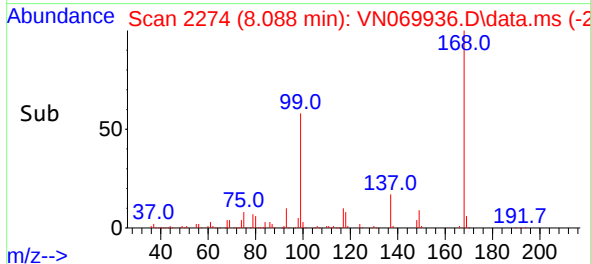


#38
Carbon Tetrachloride
Concen: 5.671 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

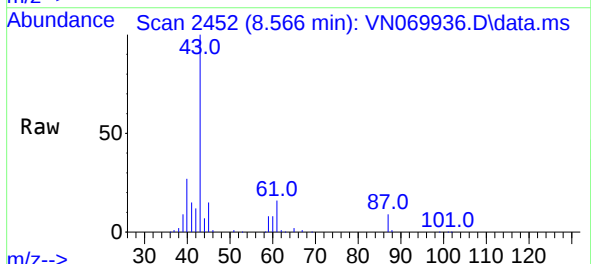
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02



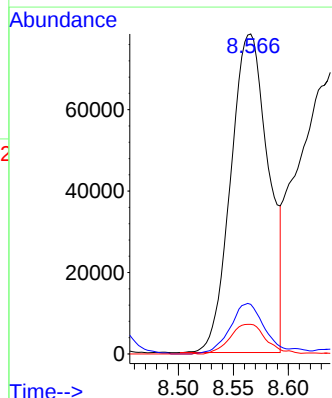
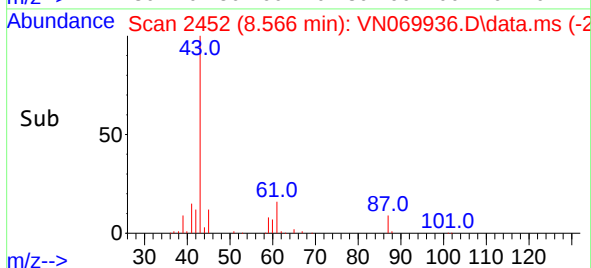
Tgt Ion:117 Resp: 118716
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#

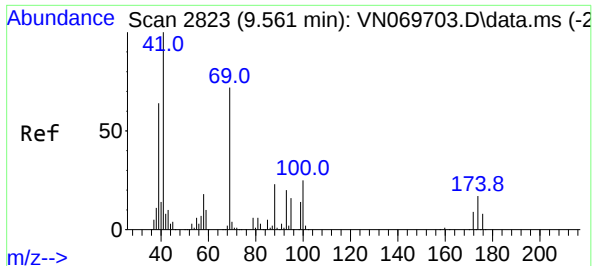


#43
Isopropyl Acetate
Concen: 3.968 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31



Tgt Ion: 43 Resp: 186584
Ion Ratio Lower Upper
43 100
61 14.4 20.4 30.6#
87 8.9 11.2 16.8#

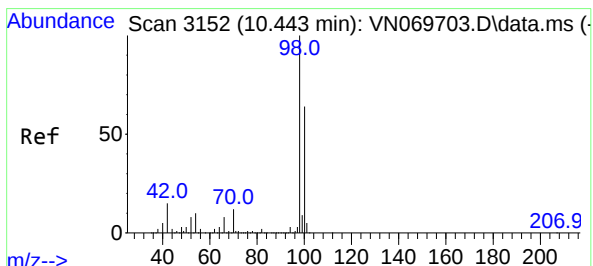
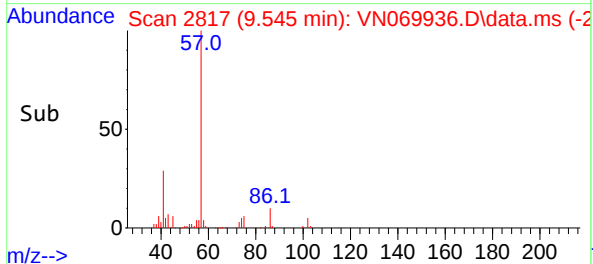
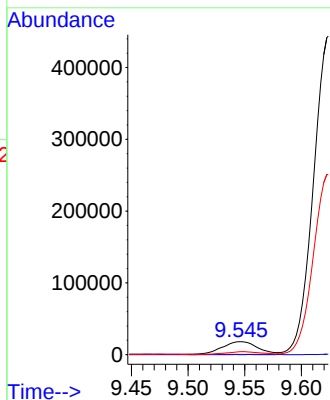
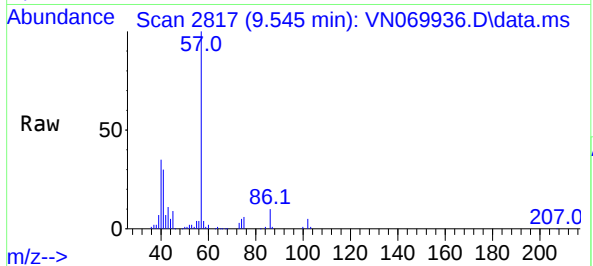




#48
Methyl methacrylate
Concen: 1.757 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

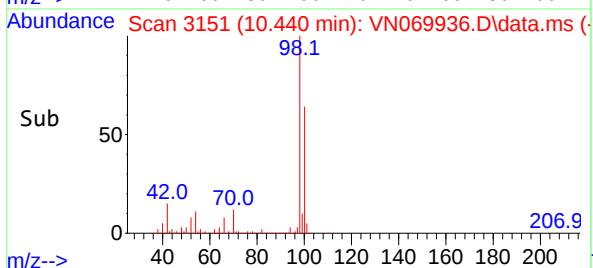
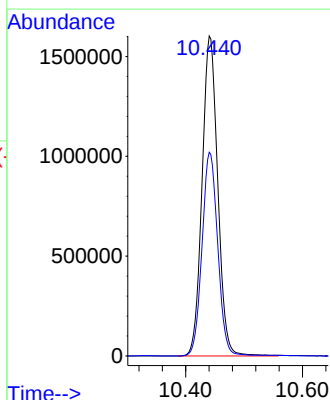
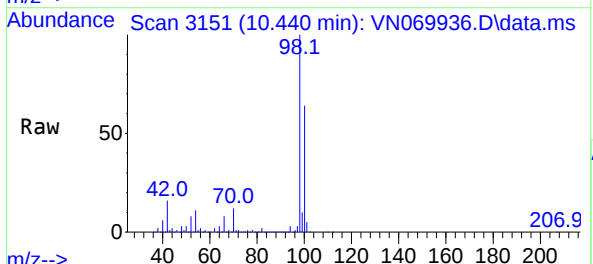
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

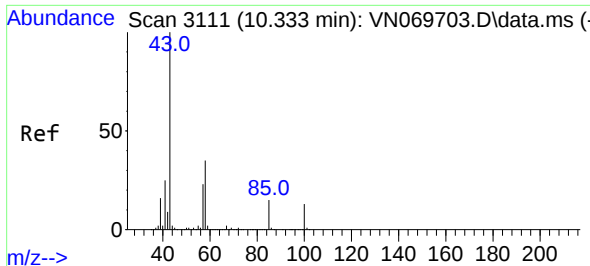
Tgt Ion: 41 Resp: 38555
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 52.981 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 98 Resp: 2988333
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6

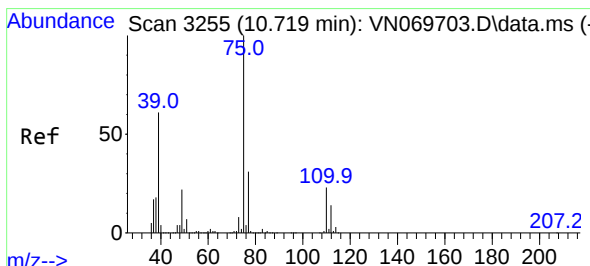
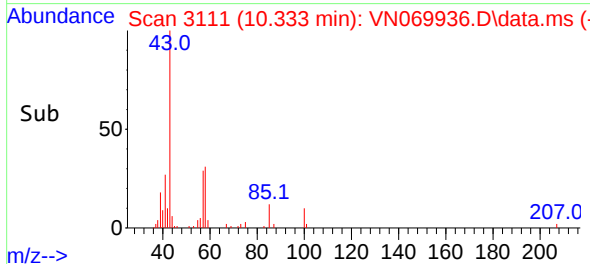
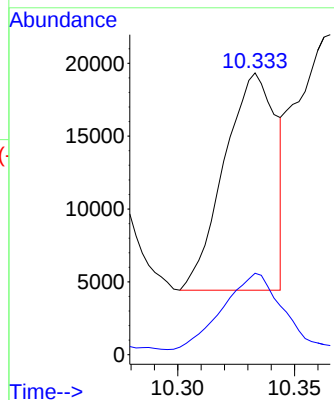
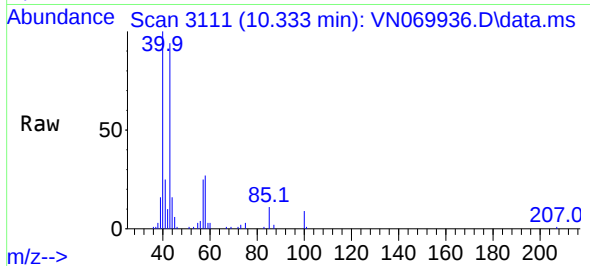




#51
4-Methyl-2-Pentanone
Concen: 0.754 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

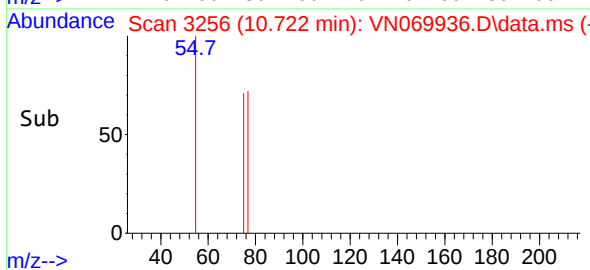
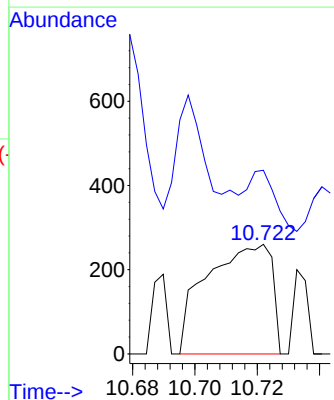
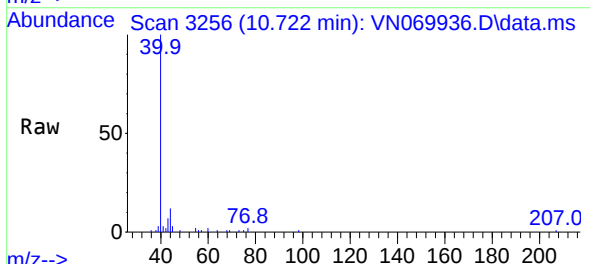
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

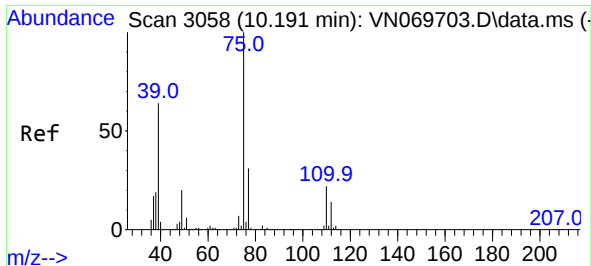
Tgt Ion: 43 Resp: 23015
Ion Ratio Lower Upper
43 100
58 41.8 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.808 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 75 Resp: 378
Ion Ratio Lower Upper
75 100
77 37.3 25.6 38.4

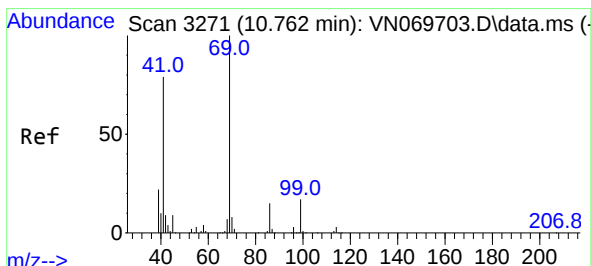
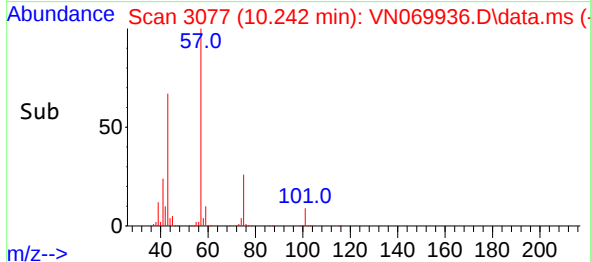
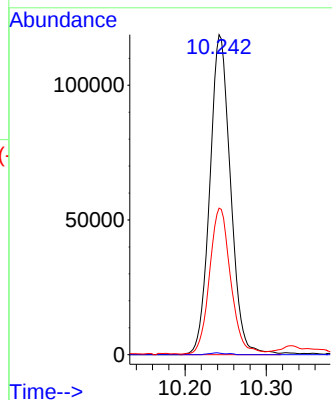
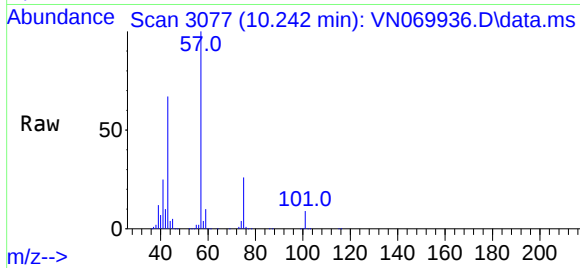




#54
 cis-1,3-Dichloropropene
 Concen: 9.358 ug/l
 RT: 10.242 min Scan# 3058
 Delta R.T. 0.051 min
 Lab File: VN069936.D
 Acq: 10 Dec 2021 2:31

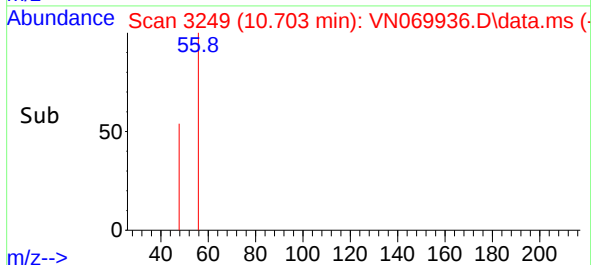
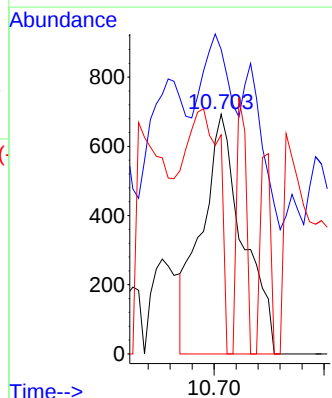
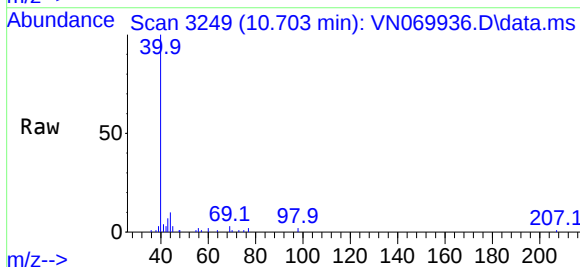
Instrument :
 MSVOA_N
 ClientSampleId :
 PB141262ZHE#02

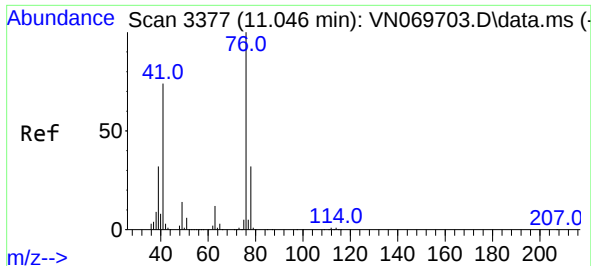
Tgt Ion: 75 Resp: 210575
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 45.6 42.5 63.7



#56
 Ethyl methacrylate
 Concen: 2.308 ug/l
 RT: 10.703 min Scan# 3249
 Delta R.T. -0.059 min
 Lab File: VN069936.D
 Acq: 10 Dec 2021 2:31

Tgt Ion: 69 Resp: 904
 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: 4.434 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.043 min

Lab File: VN069936.D

Acq: 10 Dec 2021 2:31

Instrument :

MSVOA_N

ClientSampleId :

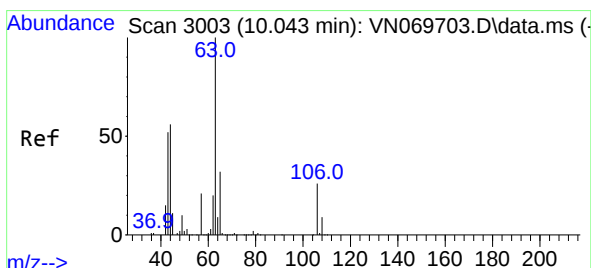
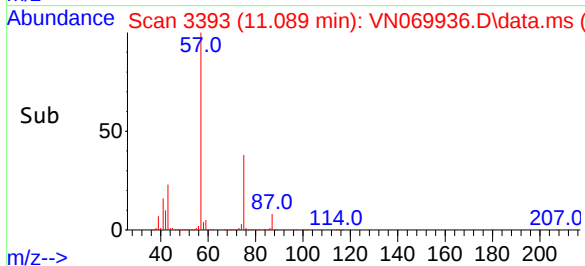
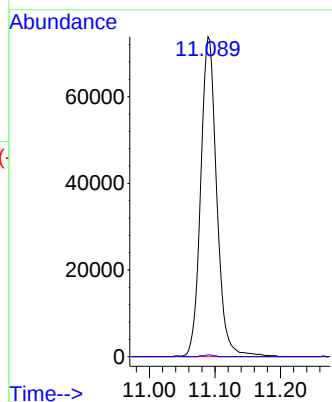
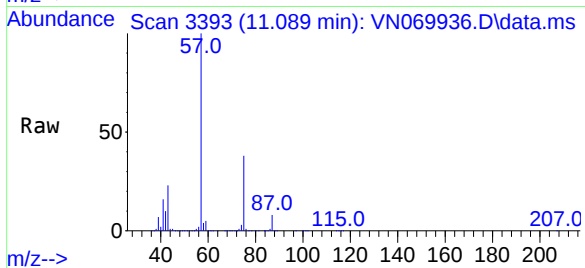
PB141262ZHE#02

Tgt Ion: 76 Resp: 125511

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.400 ug/l

RT: 10.234 min Scan# 3074

Delta R.T. 0.191 min

Lab File: VN069936.D

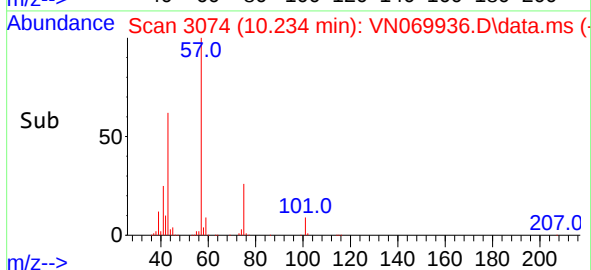
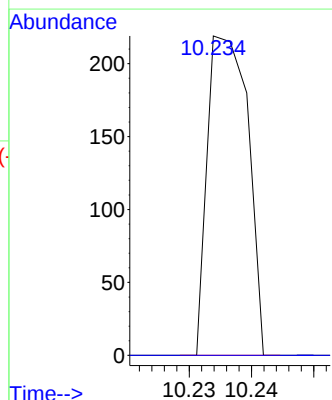
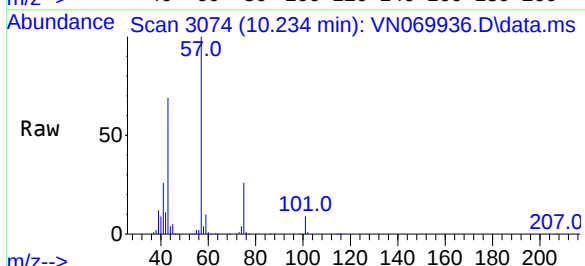
Acq: 10 Dec 2021 2:31

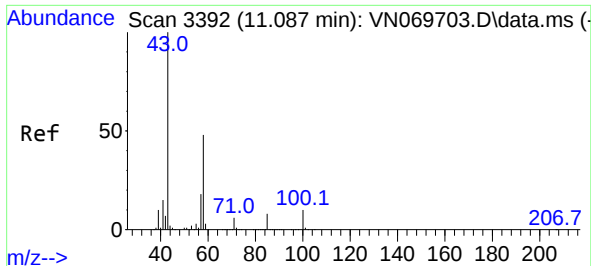
Tgt Ion: 63 Resp: 99

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

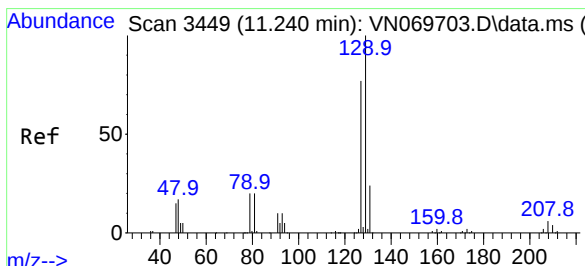
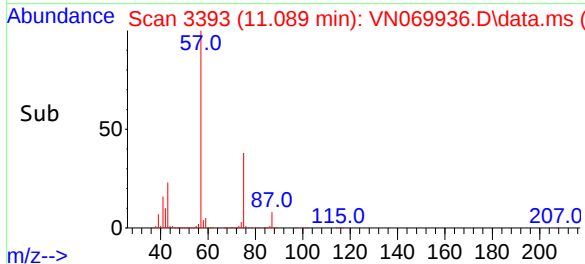
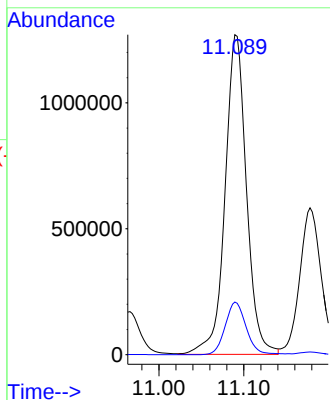
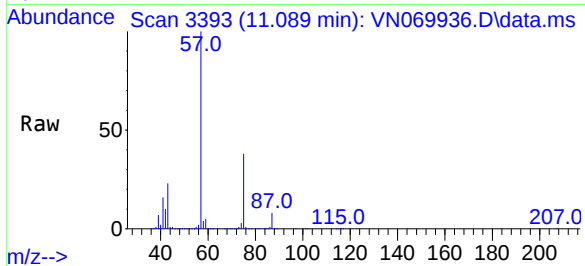




#59
2-Hexanone
Concen: 96.485 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

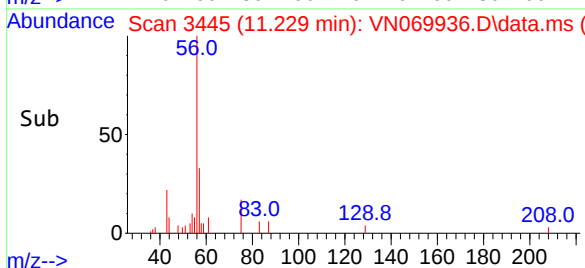
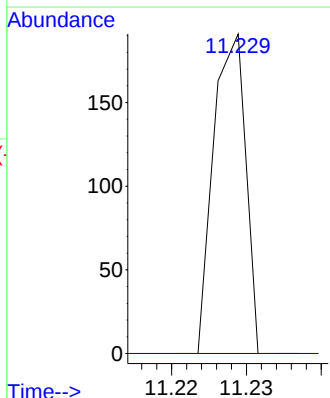
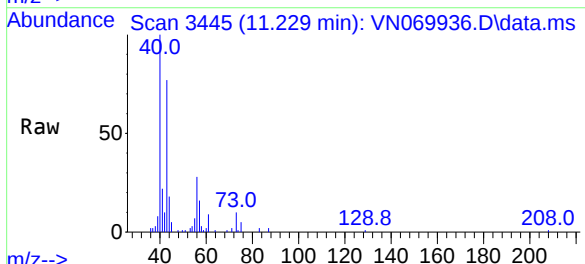
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

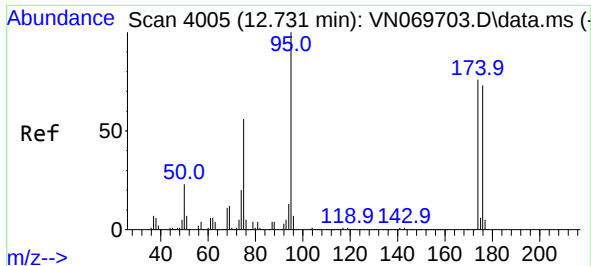
Tgt Ion: 43 Resp: 2226457
Ion Ratio Lower Upper
43 100
58 16.1 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.379 ug/l
RT: 11.229 min Scan# 3445
Delta R.T. -0.011 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion:129 Resp: 57
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

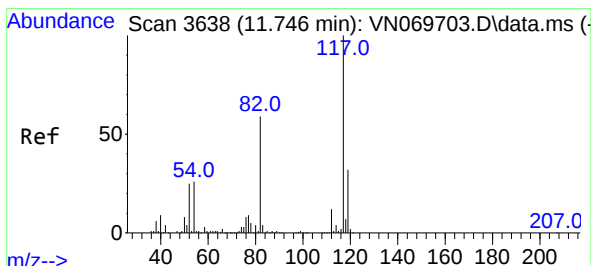
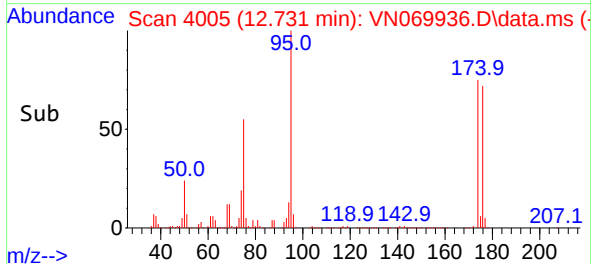
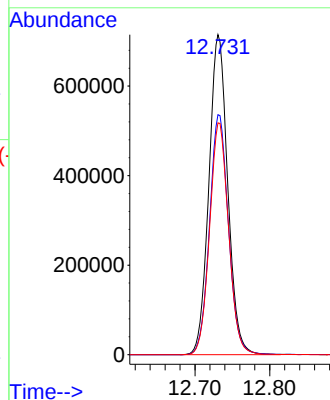
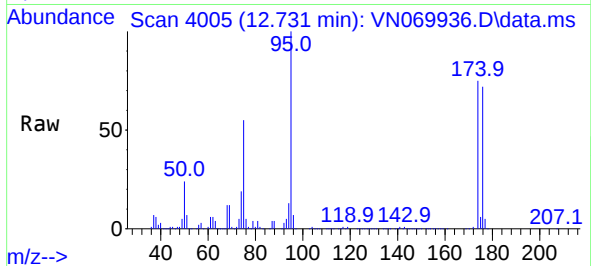




#62
4-Bromofluorobenzene
Concen: 61.148 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

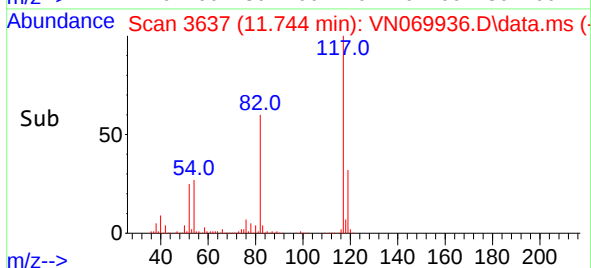
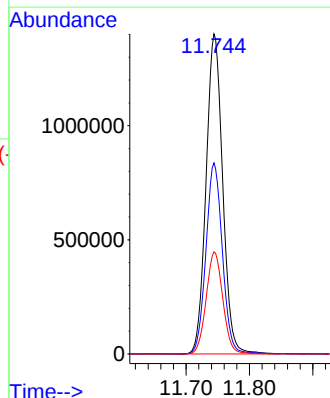
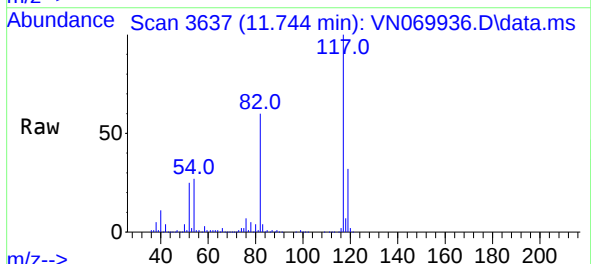
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

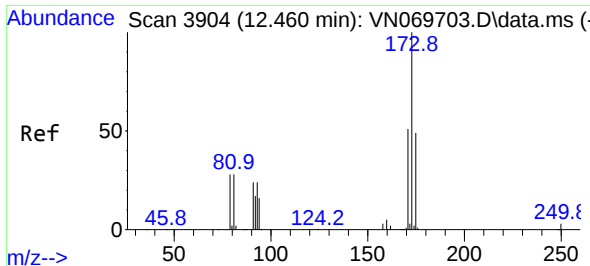
Tgt Ion: 95 Resp: 1249508
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 117 Resp: 2556311
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 31.9 25.4 38.2

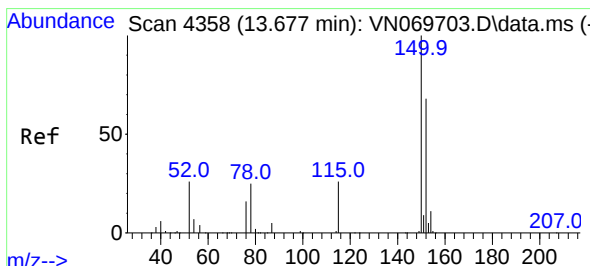
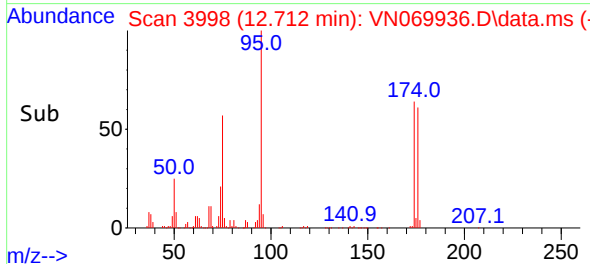
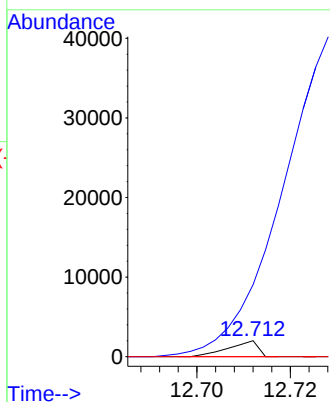
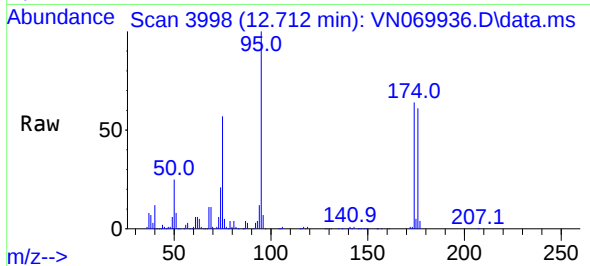




#71
Bromoform
Concen: 2.784 ug/l
RT: 12.712 min Scan# 3904
Delta R.T. 0.252 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

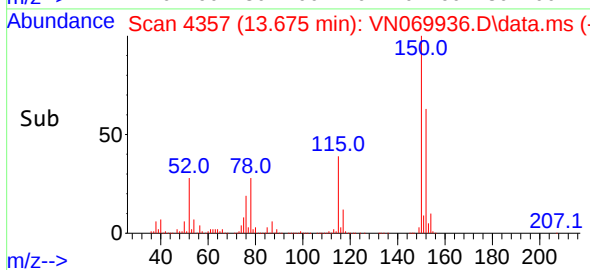
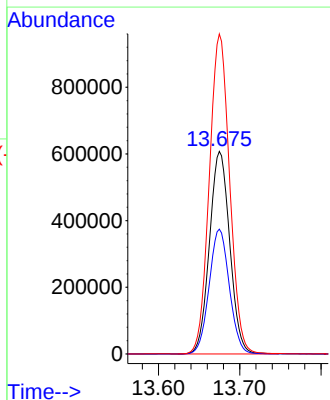
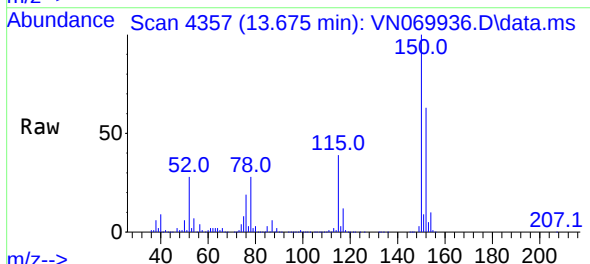
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

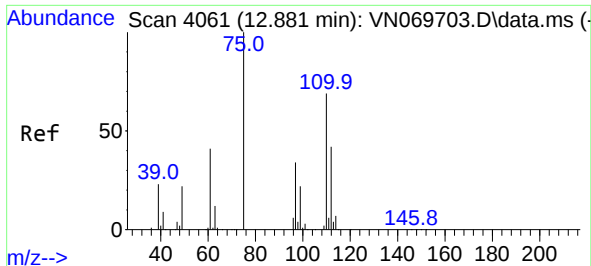
Tgt Ion:173 Resp: 874
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion:152 Resp: 1054944
Ion Ratio Lower Upper
152 100
115 61.3 27.5 82.5
150 158.0 0.0 344.4

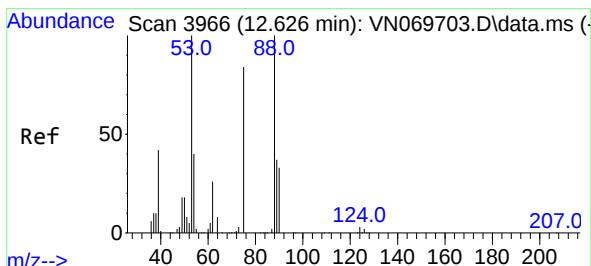
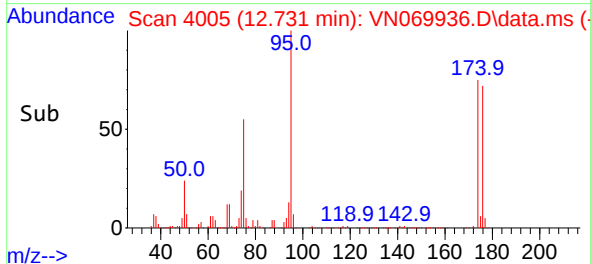
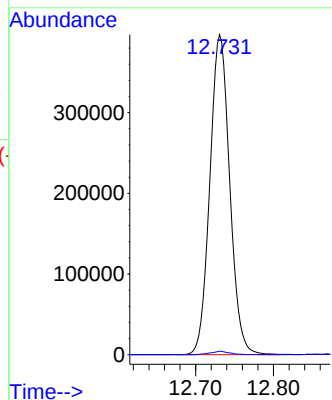
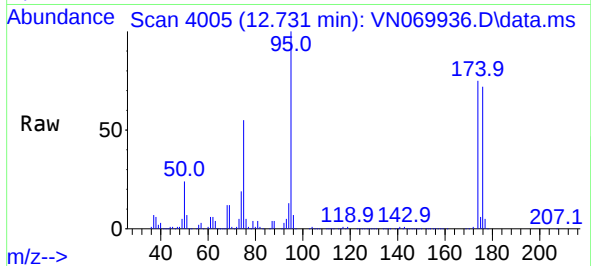




#76
1,2,3-Trichloropropane
Concen: 23.207 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

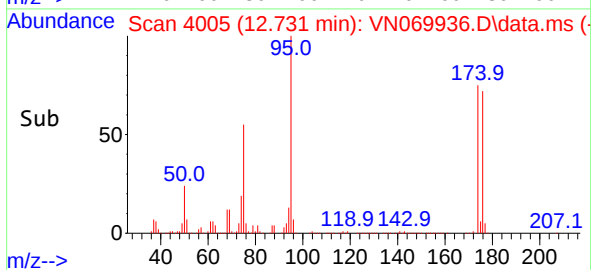
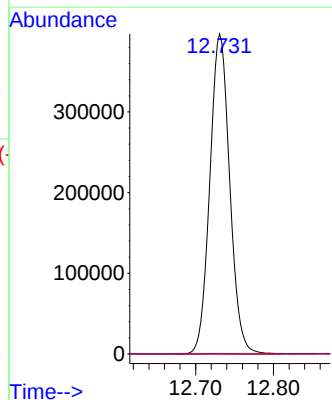
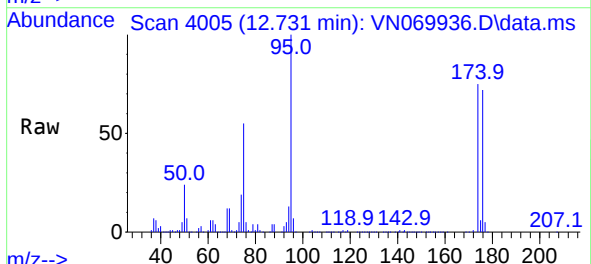
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

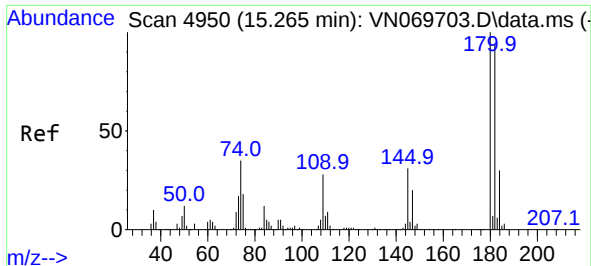
Tgt Ion: 75 Resp: 702091
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.846 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

Tgt Ion: 75 Resp: 702091
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

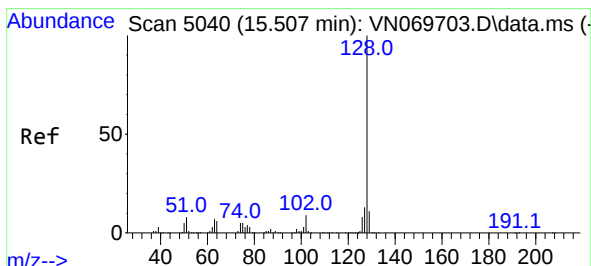
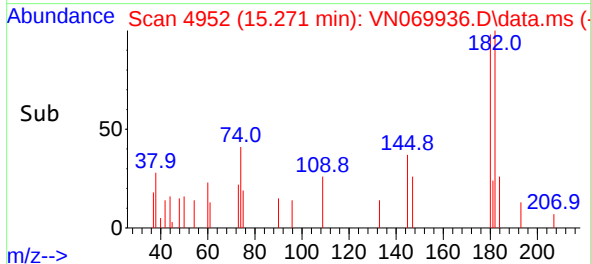
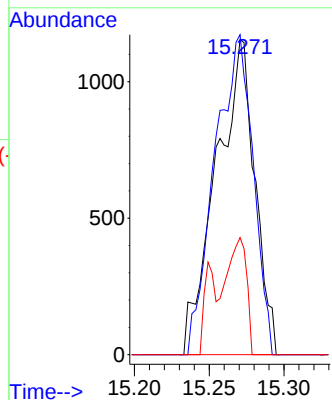
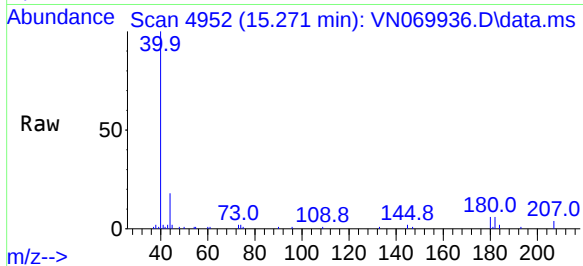




#93
1,2,4-Trichlorobenzene
Concen: 2.991 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

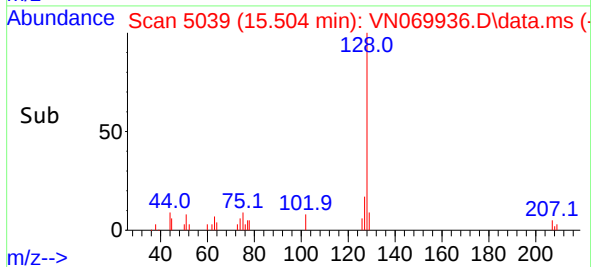
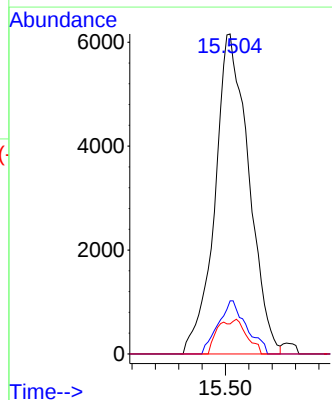
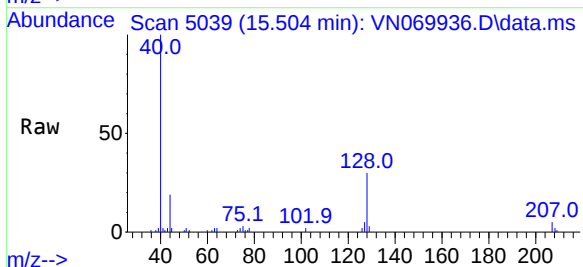
Instrument :
MSVOA_N
ClientSampleId :
PB141262ZHE#02

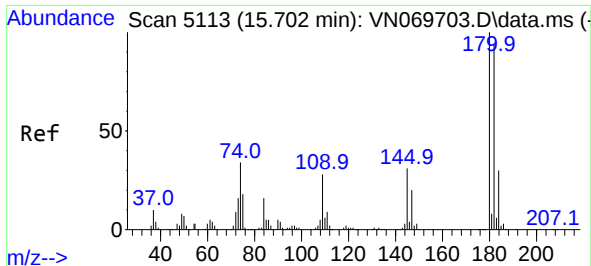
Tgt Ion:180 Resp: 2074
Ion Ratio Lower Upper
180 100
182 100.3 48.3 144.9
145 18.5 14.5 43.5



#95
Naphthalene
Concen: 4.207 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069936.D
Acq: 10 Dec 2021 2:31

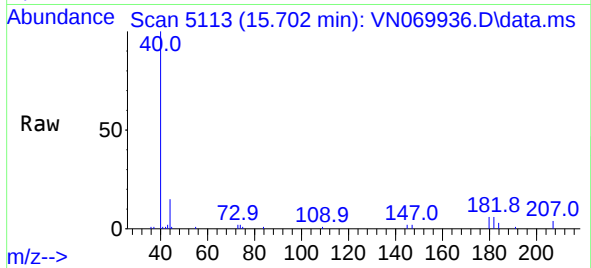
Tgt Ion:128 Resp: 12402
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 4.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.590 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069936.D
 Acq: 10 Dec 2021 2:31

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141262ZHE#02



Tgt Ion:	180	Resp:	2739
Ion	Ratio	Lower	Upper
180	100		
182	86.2	47.4	142.2
145	28.5	15.0	45.1

