

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070128.D
 Acq On : 16 Dec 2021 10:58
 Operator : JC/MD
 Sample : VN1215MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 15:45:20 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)

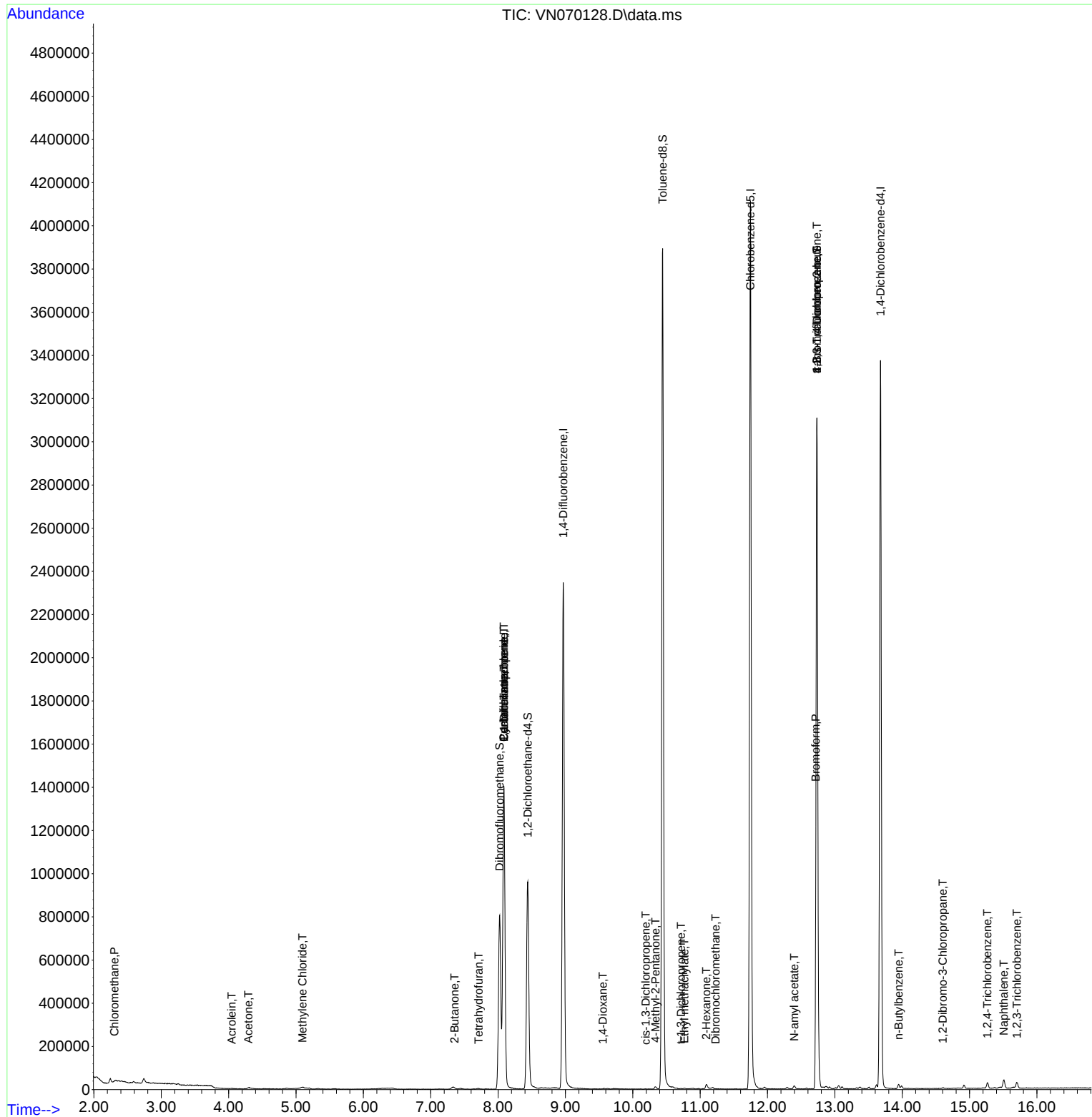
Internal Standards						
1) Pentafluorobenzene	8.086	168	1048538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2009080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2301039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	896000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	837554	51.735	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.460%			
35) Dibromofluoromethane	8.024	113	591940	47.037	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.080%			
50) Toluene-d8	10.443	98	2646720	52.378	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.760%			
62) 4-Bromofluorobenzene	12.734	95	1102098	60.204	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 120.400%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	3145	0.205	ug/l #	87
13) Acrolein	4.044	56	995	0.382	ug/l	86
16) Acetone	4.293	43	5799	0.595	ug/l	94
20) Methylene Chloride	5.095	84	3320	0.256	ug/l #	83
25) 2-Butanone	7.354	43	5865	0.443	ug/l #	87
29) Tetrahydrofuran	7.713	42	2765	0.344	ug/l #	35
31) Cyclohexane	8.086	56	25951	1.152	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	90343	4.724	ug/l #	49
38) Carbon Tetrachloride	8.086	117	108541	5.787	ug/l #	16
49) 1,4-Dioxane	9.555	88	125	0.354	ug/l #	1
51) 4-Methyl-2-Pentanone	10.339	43	10305	0.377	ug/l #	86
53) t-1,3-Dichloropropene	10.717	75	609	2.819	ug/l #	1
54) cis-1,3-Dichloropropene	10.194	75	259	2.009	ug/l #	53
56) Ethyl methacrylate	10.768	69	1365	2.327	ug/l #	30
59) 2-Hexanone	11.089	43	20621	0.997	ug/l	89
60) Dibromochloromethane	11.229	129	160	2.386	ug/l	72
71) Bromoform	12.717	173	349	2.754	ug/l #	29
74) N-amyl acetate	12.396	43	9838	0.279	ug/l #	94
76) 1,2,3-Trichloropropane	12.734	75	603431	23.484	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	603431	74.679	ug/l #	5
89) n-Butylbenzene	13.948	91	12500	0.256	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1267	0.254	ug/l	61
93) 1,2,4-Trichlorobenzene	15.265	180	8910	3.449	ug/l	94
95) Naphthalene	15.507	128	36273	4.747	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	10534	3.135	ug/l	97

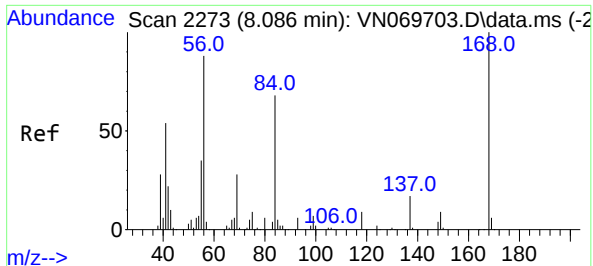
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN070128.D
Acq On : 16 Dec 2021 10:58
Operator : JC/MD
Sample : VN1215MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

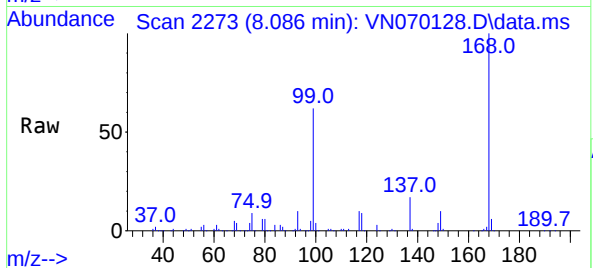
Quant Time: Dec 16 15:45:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



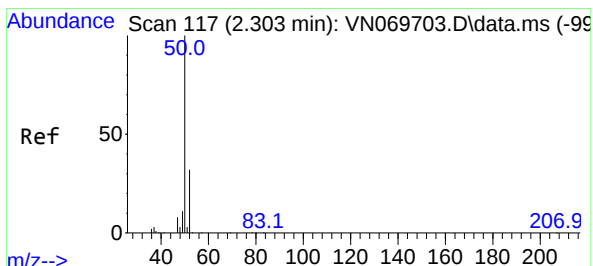
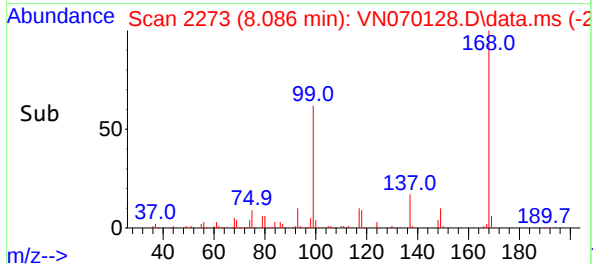
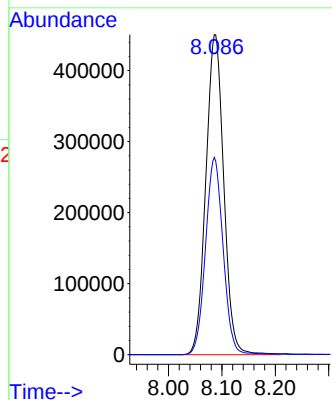


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

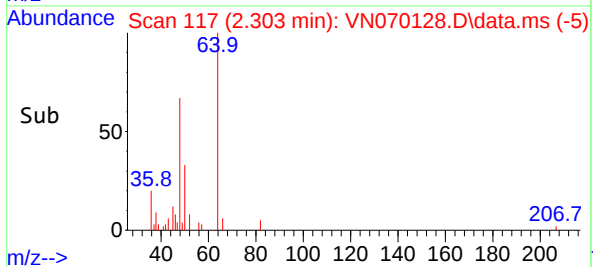
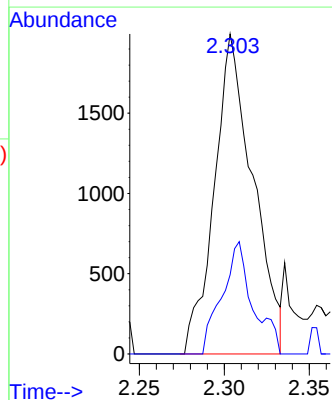
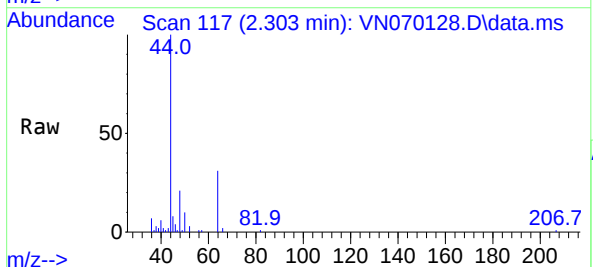


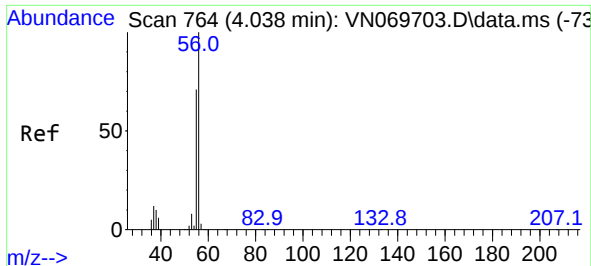
Tgt Ion:168 Resp: 1048538
Ion Ratio Lower Upper
168 100
99 61.6 41.3 61.9



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

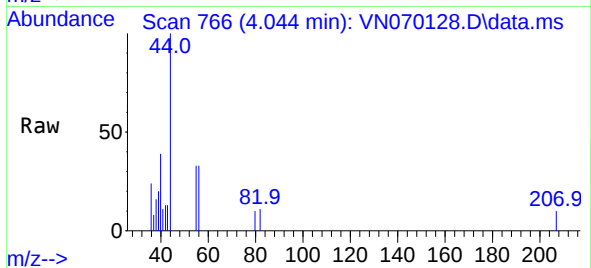
Tgt Ion: 50 Resp: 3145
Ion Ratio Lower Upper
50 100
52 24.7 25.4 38.0#



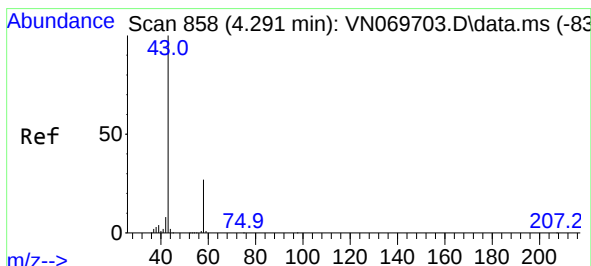
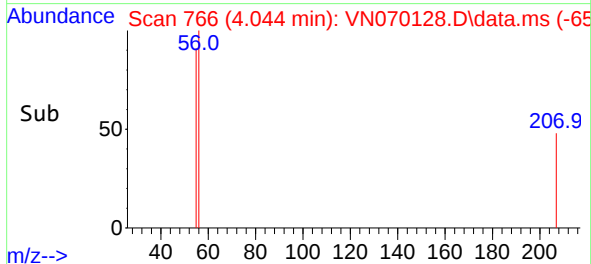
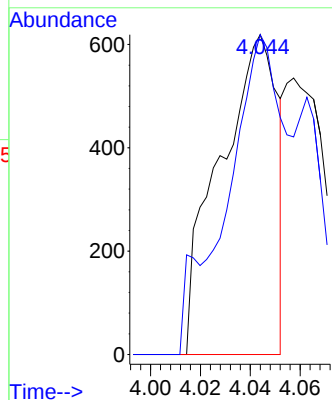


#13
Acrolein
Concen: 0.382 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

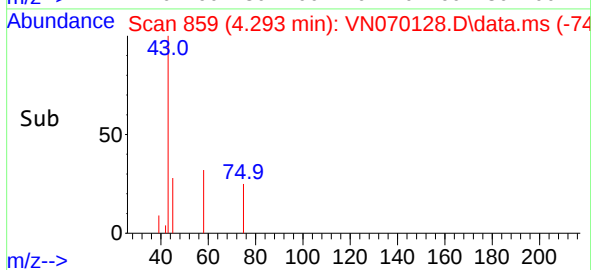
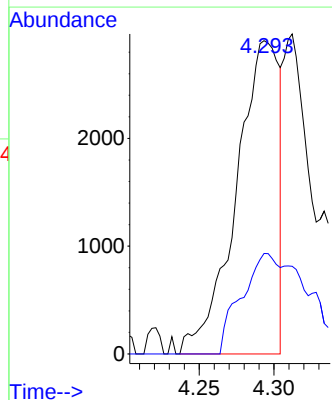
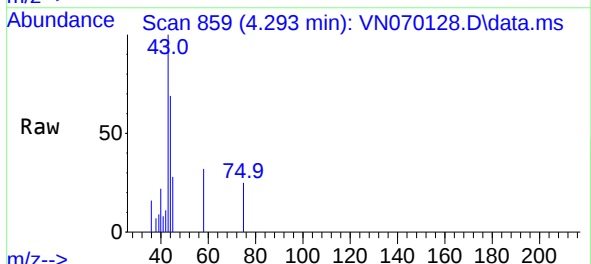


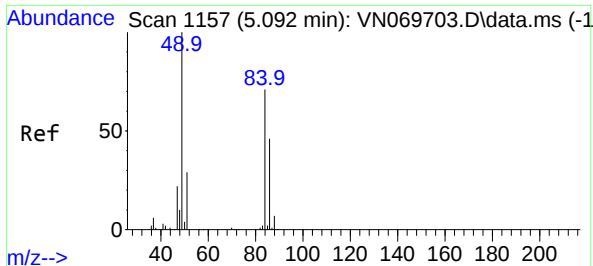
Tgt Ion: 56 Resp: 995
Ion Ratio Lower Upper
56 100
55 58.9 56.6 85.0



#16
Acetone
Concen: 0.595 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

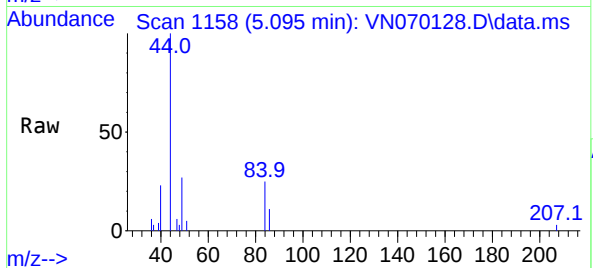
Tgt Ion: 43 Resp: 5799
Ion Ratio Lower Upper
43 100
58 32.1 23.1 34.7



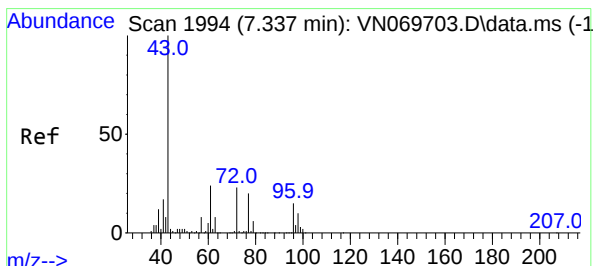
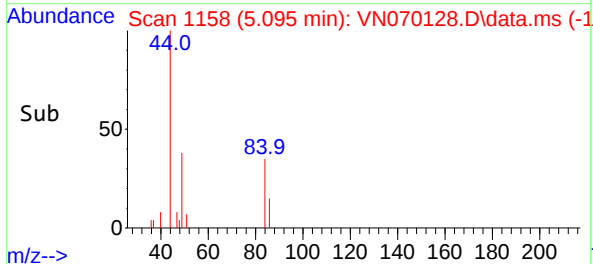
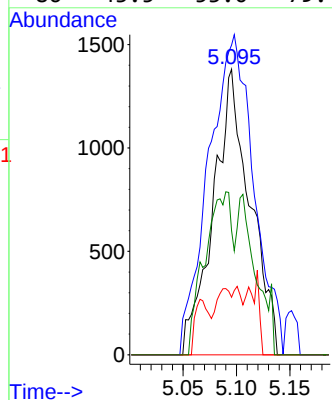


#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 5.095 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

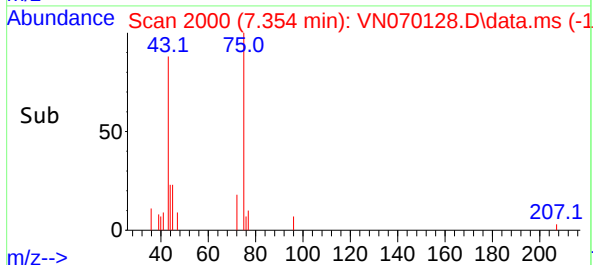
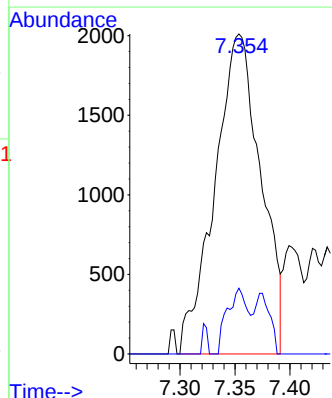
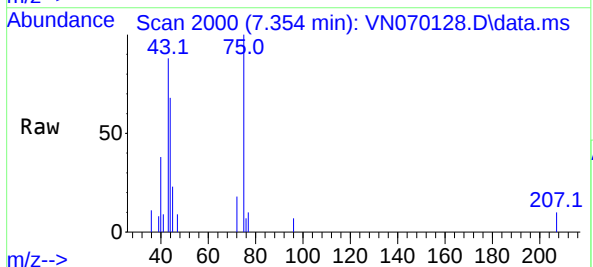


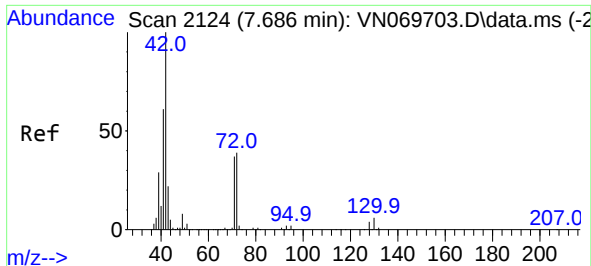
Tgt Ion: 84 Resp: 3320
Ion Ratio Lower Upper
84 100
49 108.5 93.5 140.3
51 20.1 29.4 44.2#
86 43.5 53.0 79.4#



#25
2-Butanone
Concen: 0.443 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

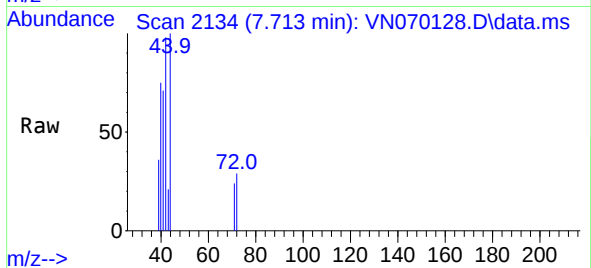
Tgt Ion: 43 Resp: 5865
Ion Ratio Lower Upper
43 100
72 20.6 21.7 32.5#



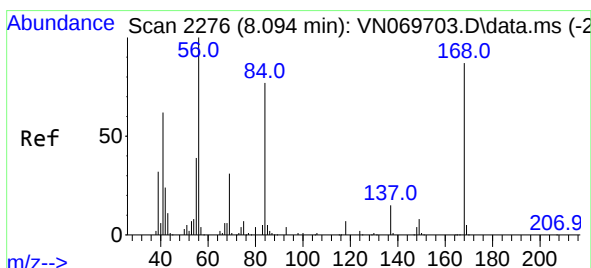
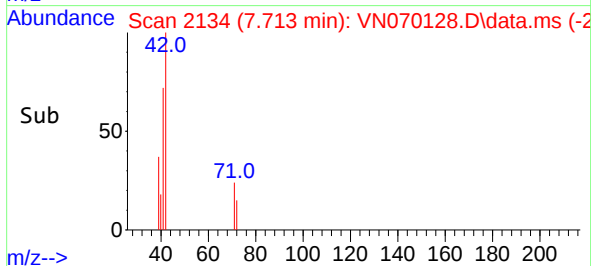
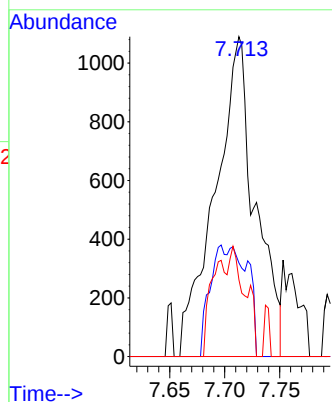


#29
Tetrahydrofuran
Concen: 0.344 ug/l
RT: 7.713 min Scan# 2124
Delta R.T. 0.027 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

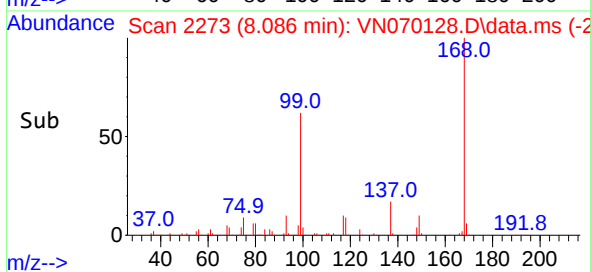
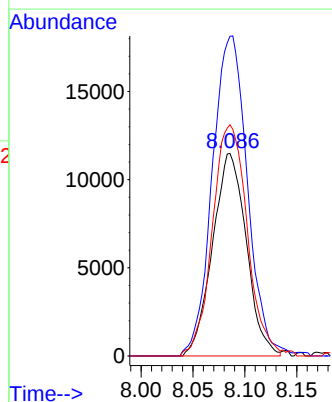
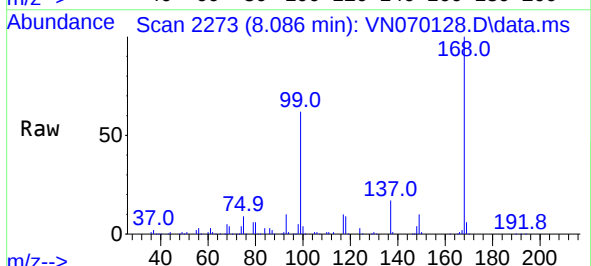


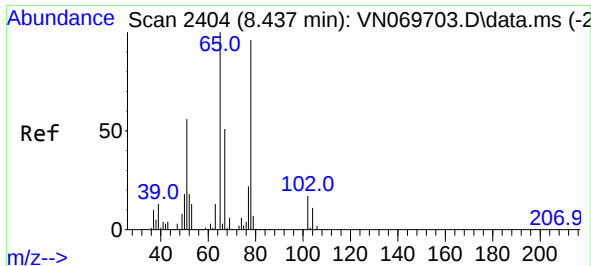
Tgt Ion: 42 Resp: 2765
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 4.8 34.7 52.1#



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Tgt Ion: 56 Resp: 25951
Ion Ratio Lower Upper
56 100
69 157.8 27.1 40.7#
84 114.1 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.735 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070128.D

Acq: 16 Dec 2021 10:58

Instrument :

MSVOA_N

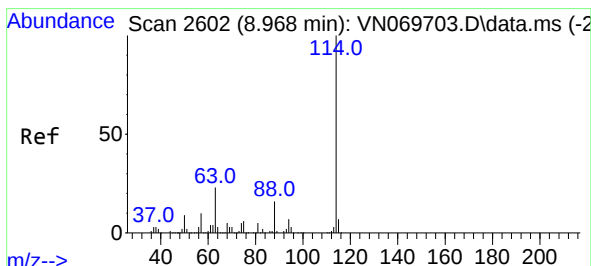
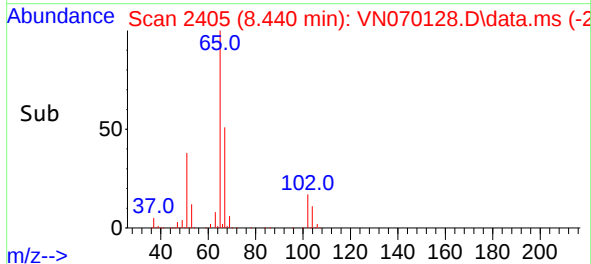
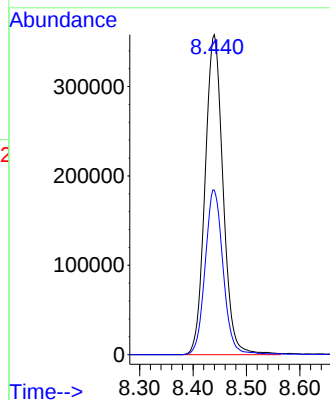
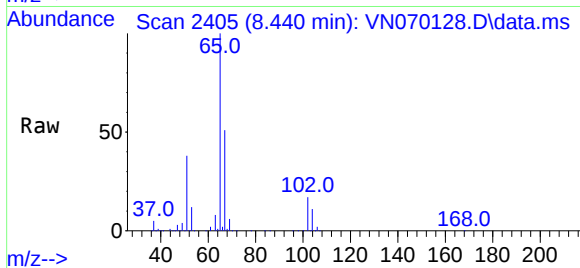
ClientSampleId :

Tgt Ion: 65 Resp: 837554

Ion Ratio Lower Upper

65 100

67 51.2 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: VN070128.D

Acq: 16 Dec 2021 10:58

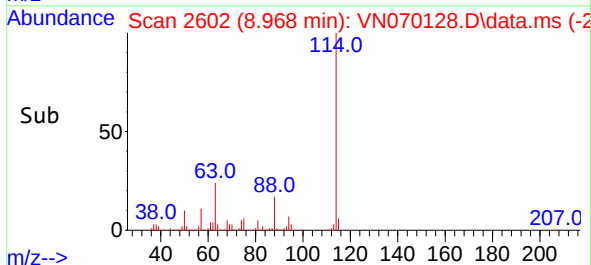
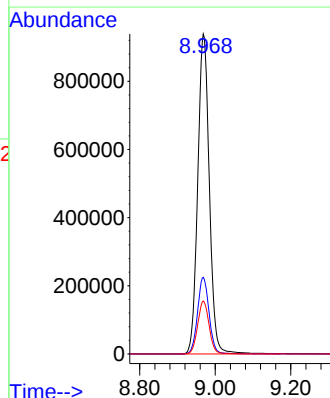
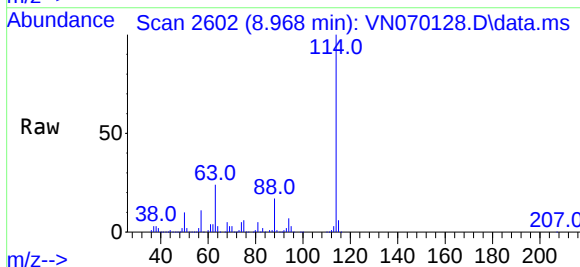
Tgt Ion: 114 Resp: 2009080

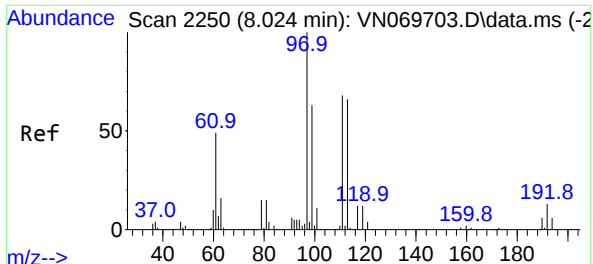
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

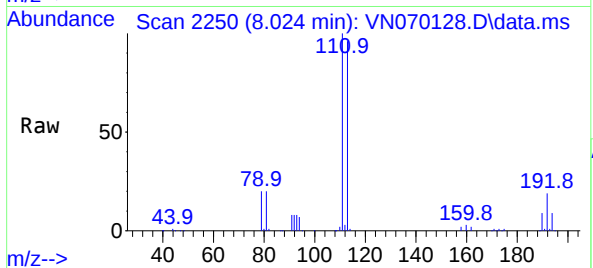
88 16.5 0.0 27.4



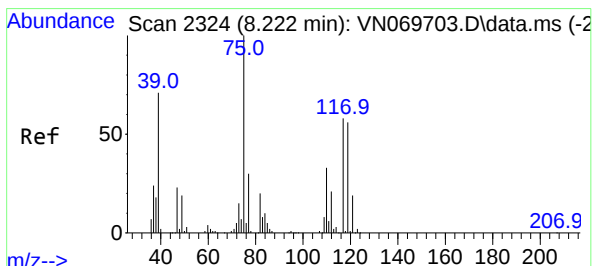
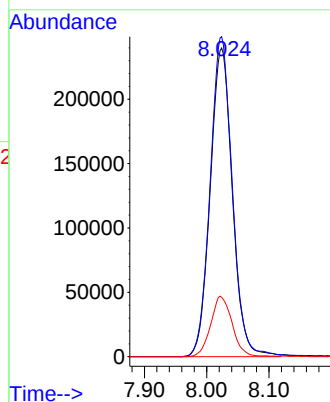
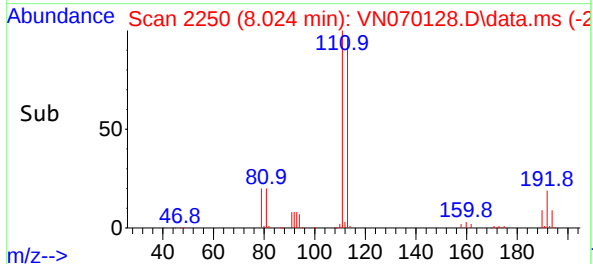


#35
Dibromofluoromethane
Concen: 47.037 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

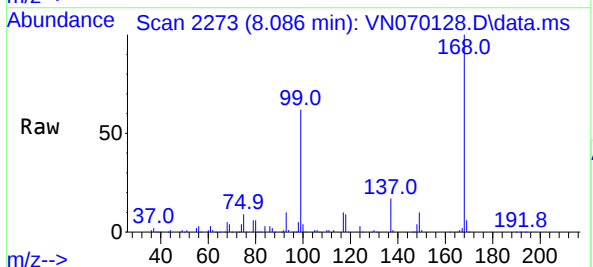
Instrument :
MSVOA_N
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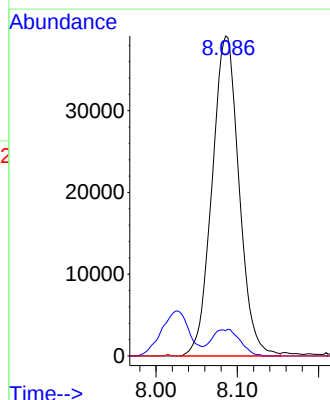
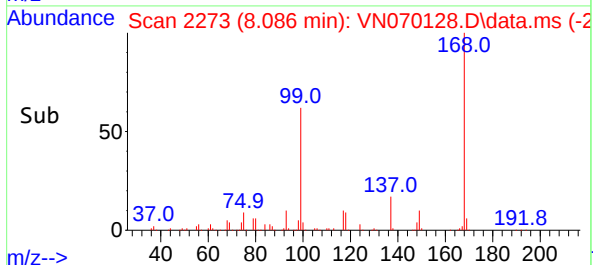
Tgt Ion:113 Resp: 591940
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 18.9 16.9 25.3

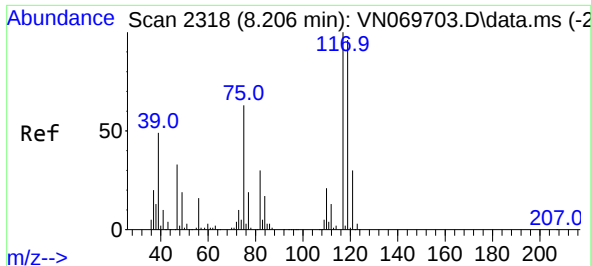


#36
1,1-Dichloropropene
Concen: 4.724 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58



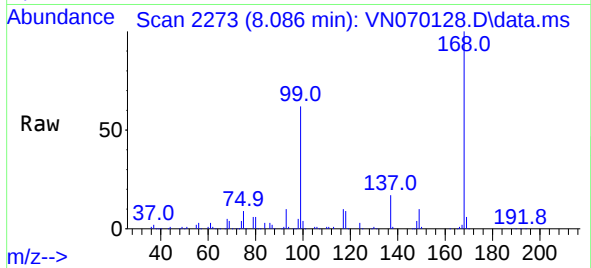
Tgt Ion: 75 Resp: 90343
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



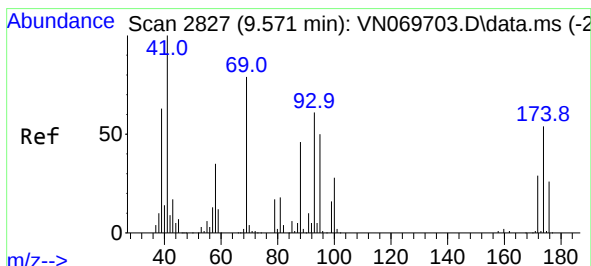
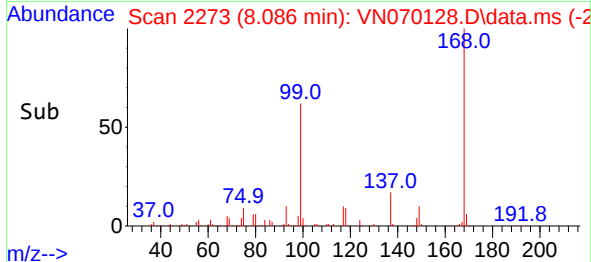
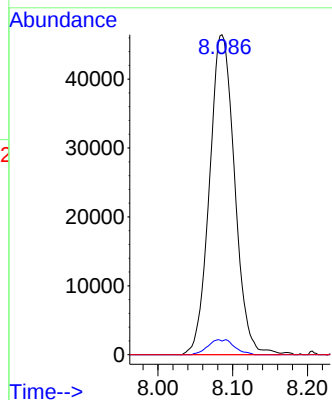


#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

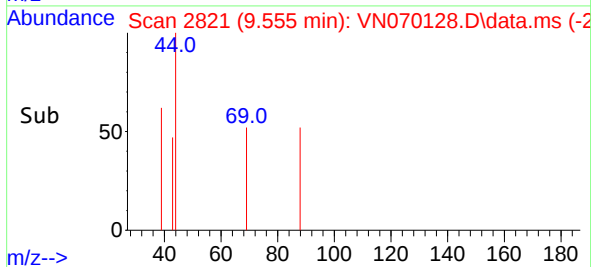
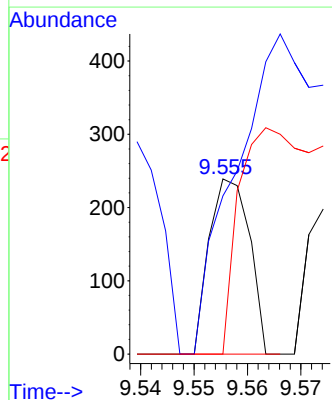
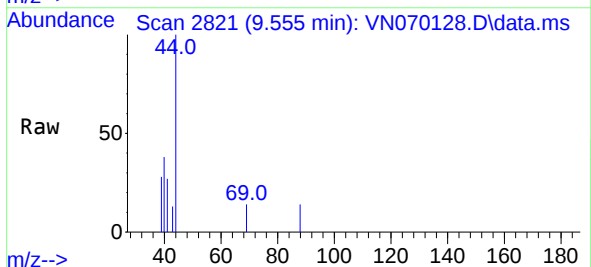


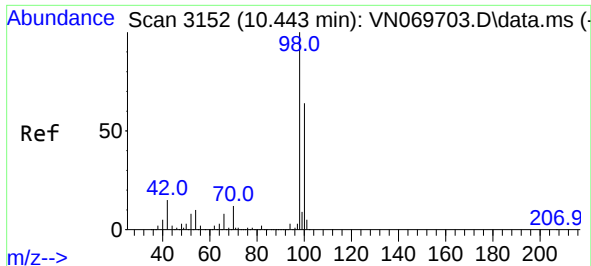
Tgt Ion:117 Resp: 108541
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.354 ug/l
RT: 9.555 min Scan# 2821
Delta R.T. -0.016 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Tgt Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 324.8 23.4 35.2#
58 215.2 50.6 75.8#

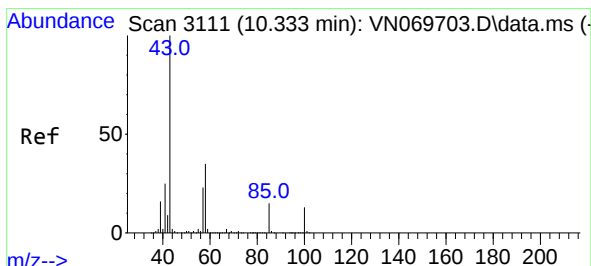
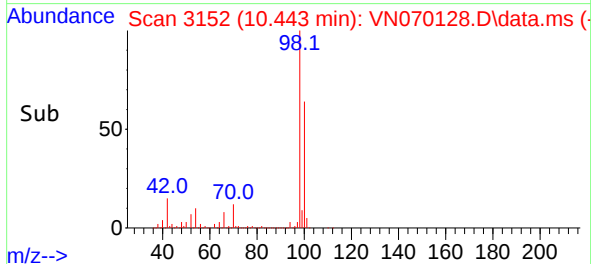
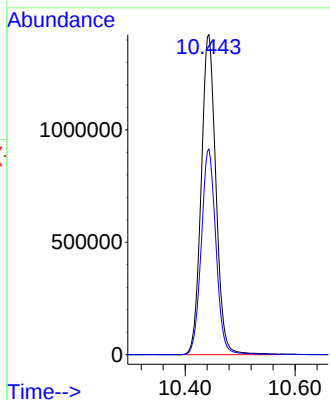
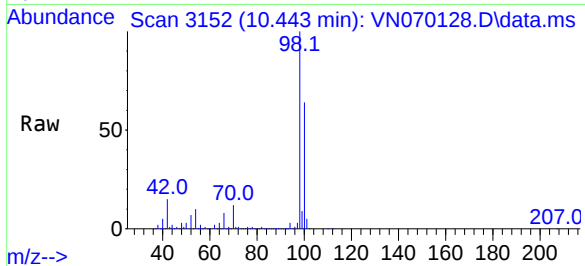




#50
Toluene-d8
Concen: 52.378 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

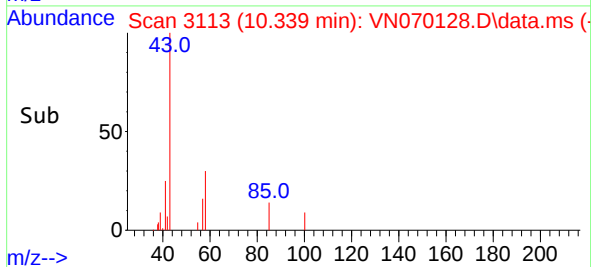
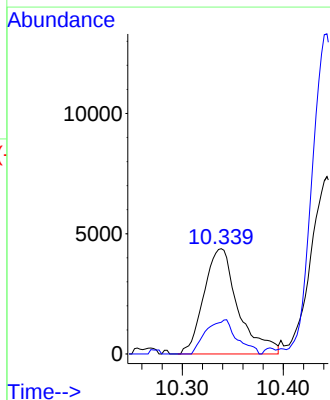
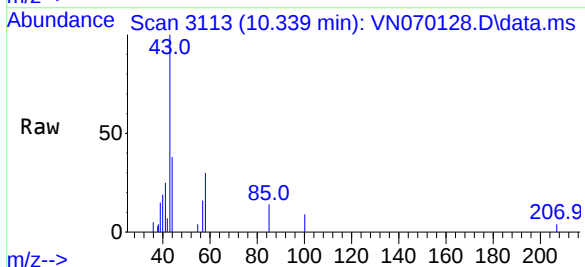
Instrument :
MSVOA_N
ClientSampleId :

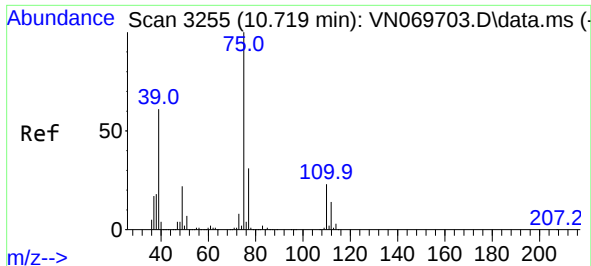
Tgt Ion: 98 Resp: 2646720
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.377 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

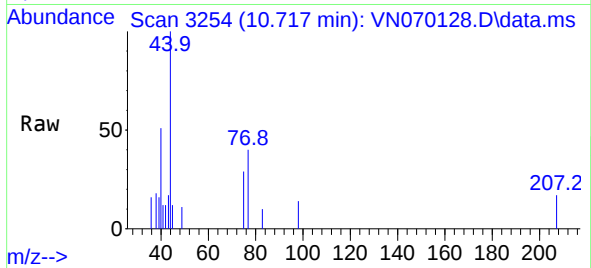
Tgt Ion: 43 Resp: 10305
Ion Ratio Lower Upper
43 100
58 29.3 30.4 45.6#



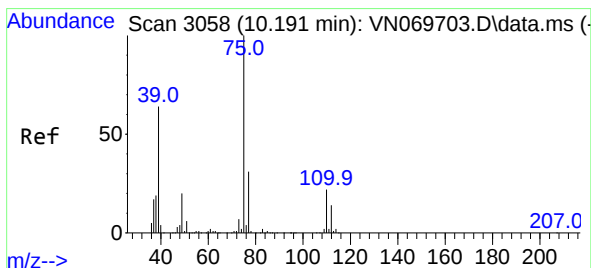
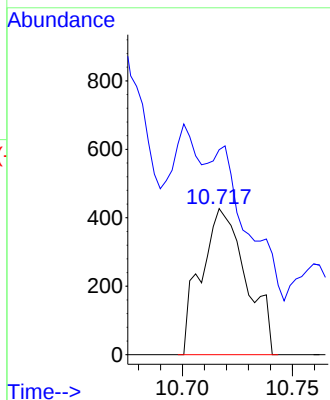
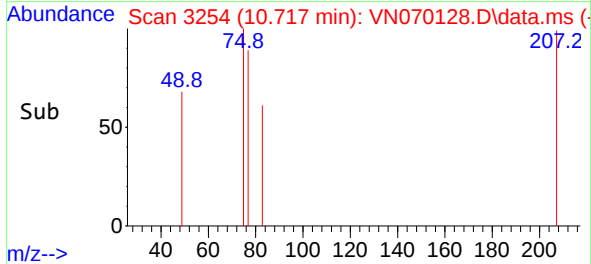


#53
t-1,3-Dichloropropene
Concen: 2.819 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

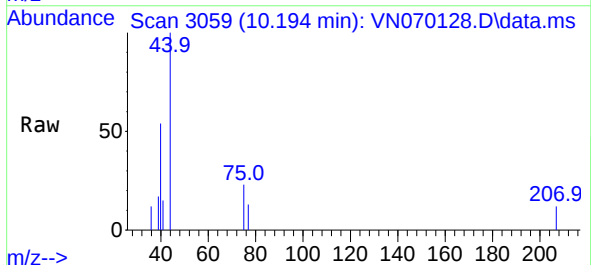
Instrument :
MSVOA_N
ClientSampleId :



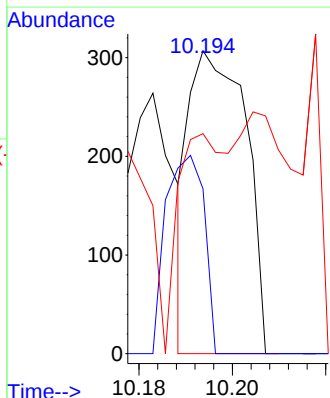
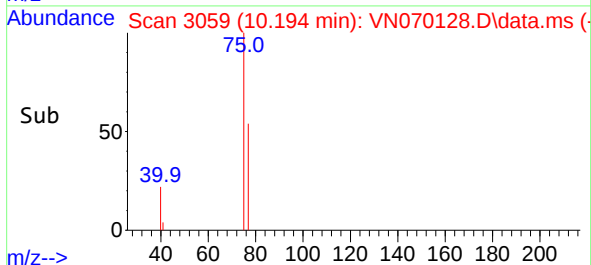
Tgt Ion: 75 Resp: 609
Ion Ratio Lower Upper
75 100
77 92.7 25.6 38.4#

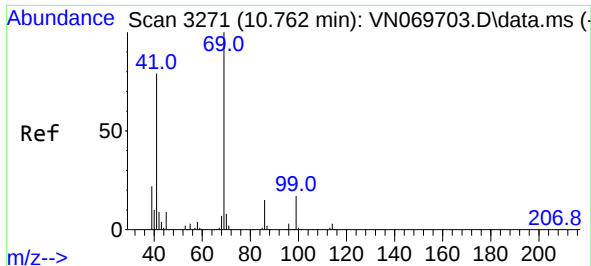


#54
cis-1,3-Dichloropropene
Concen: 2.009 ug/l
RT: 10.194 min Scan# 3059
Delta R.T. 0.003 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58



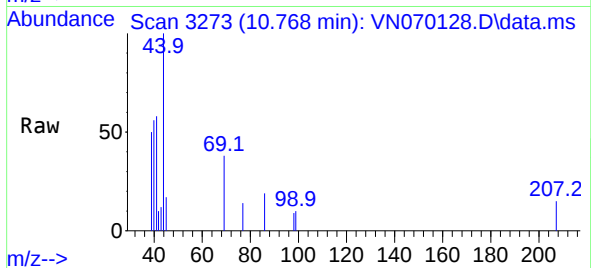
Tgt Ion: 75 Resp: 259
Ion Ratio Lower Upper
75 100
77 54.4 26.4 39.6#
39 16.0 42.5 63.7#



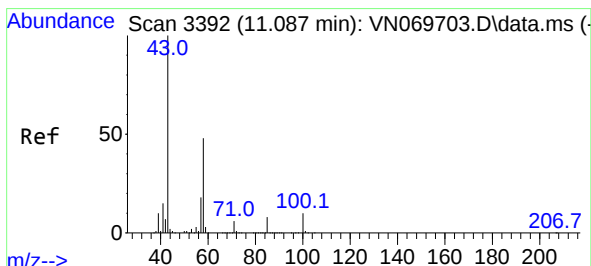
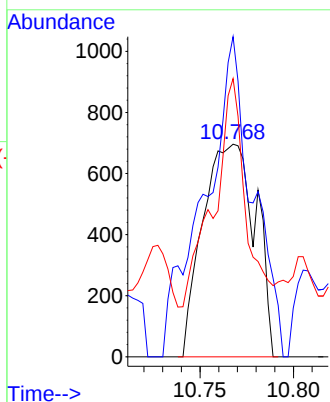
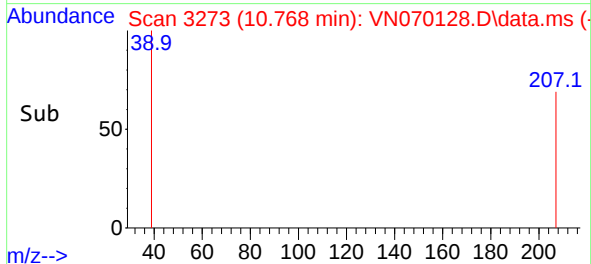


#56
Ethyl methacrylate
Concen: 2.327 ug/l
RT: 10.768 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

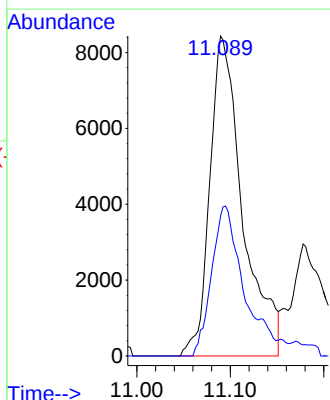
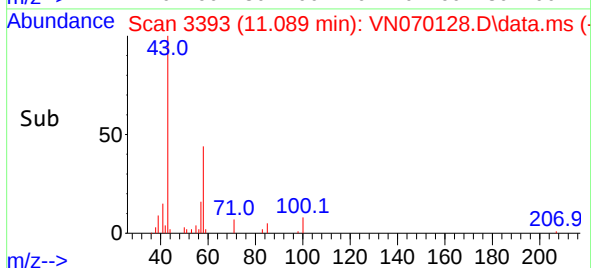
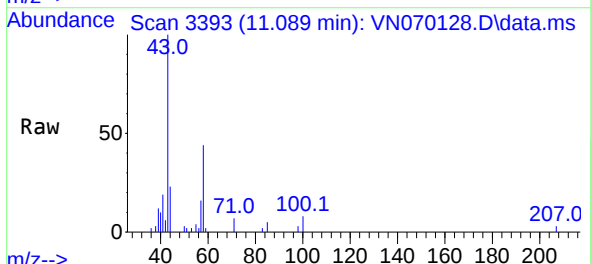


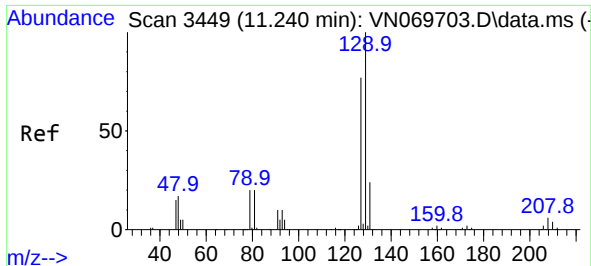
Tgt Ion: 69 Resp: 1365
Ion Ratio Lower Upper
69 100
41 137.3 51.4 77.0#
39 66.0 34.6 52.0#



#59
2-Hexanone
Concen: 0.997 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Tgt Ion: 43 Resp: 20621
Ion Ratio Lower Upper
43 100
58 45.8 26.9 80.7

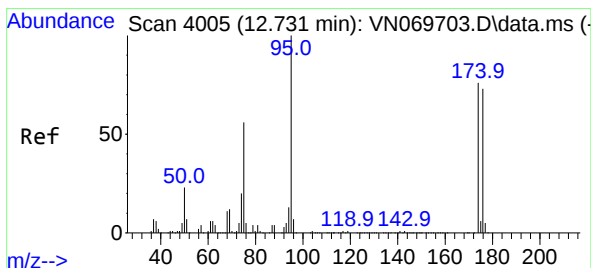
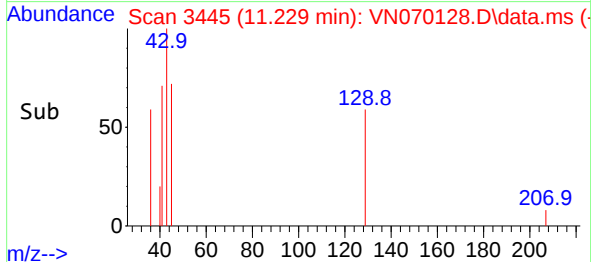
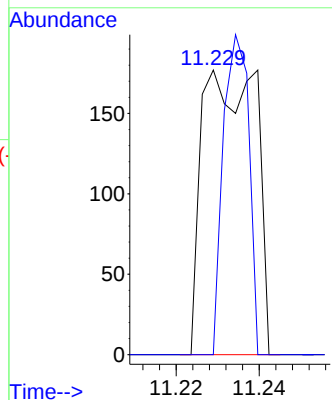
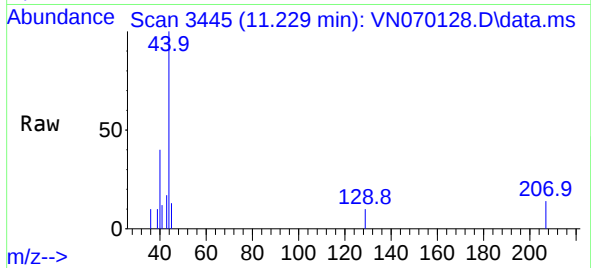




#60
Dibromochloromethane
Concen: 2.386 ug/l
RT: 11.229 min Scan# 3445
Delta R.T. -0.011 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

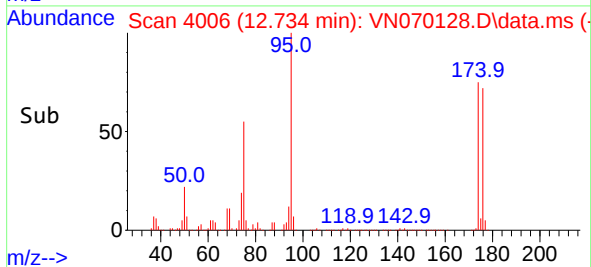
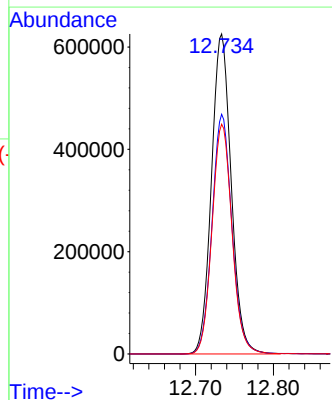
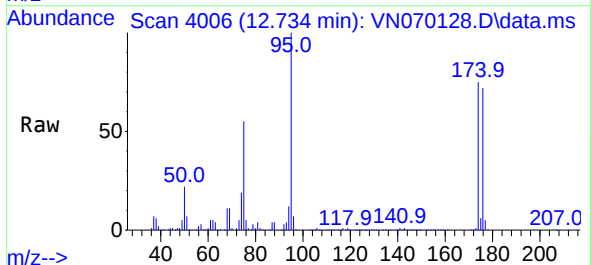
Instrument :
MSVOA_N
ClientSampleId :

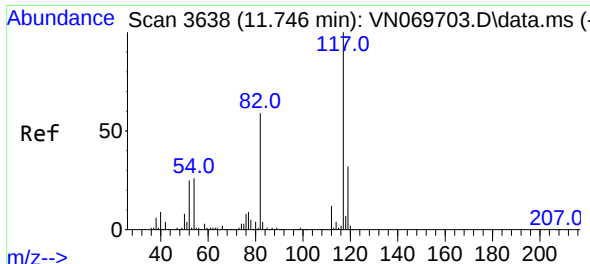
Tgt Ion:129 Resp: 160
Ion Ratio Lower Upper
129 100
127 53.1 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 60.204 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

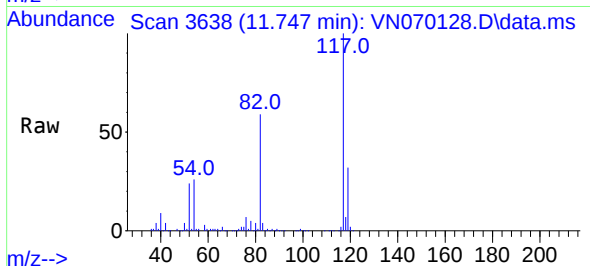
Tgt Ion: 95 Resp: 1102098
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.7 0.0 181.4





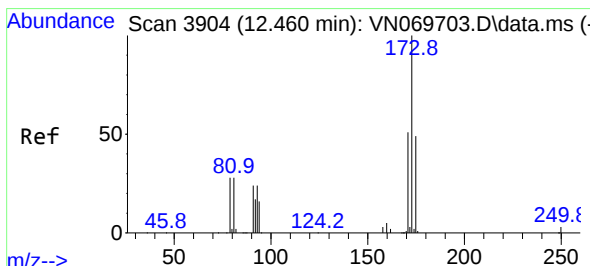
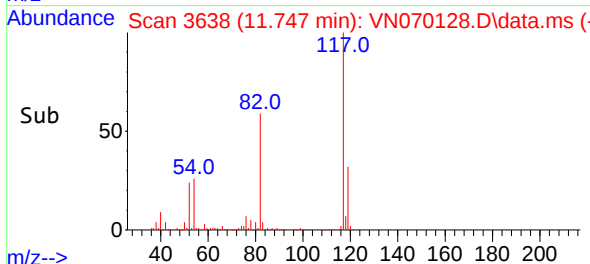
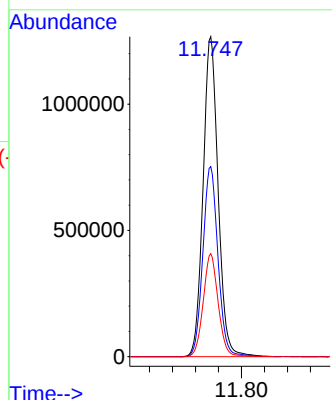
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.001 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2301039

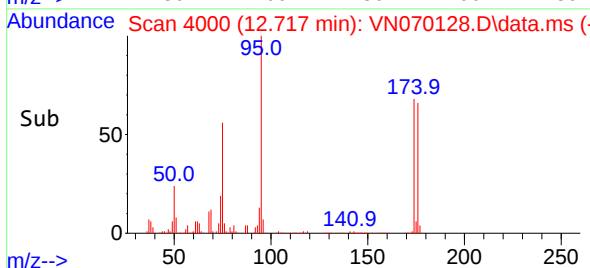
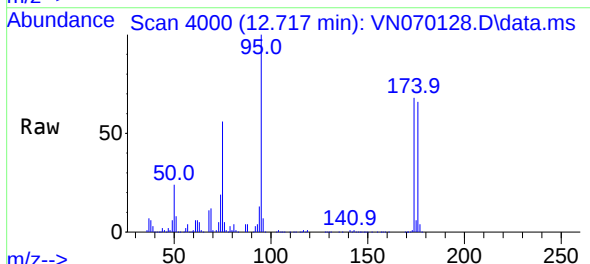
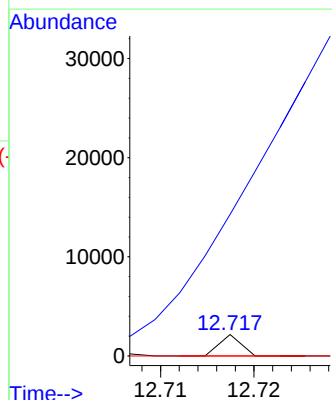
Ion	Ratio	Lower	Upper
117	100		
82	59.4	42.4	63.6
119	32.2	25.4	38.2

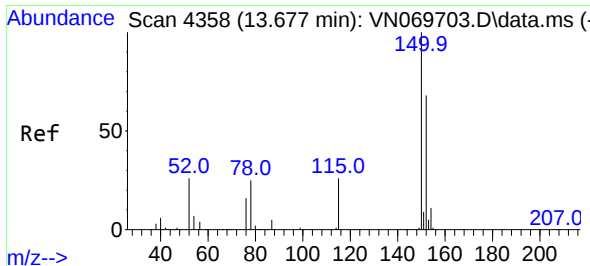


#71
Bromoform
Concen: 2.754 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Tgt Ion:173 Resp: 349

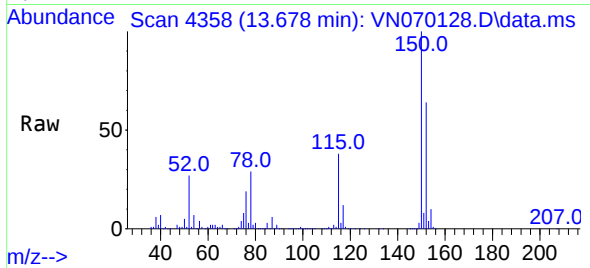
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0



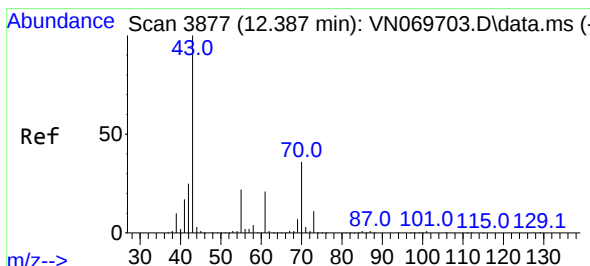
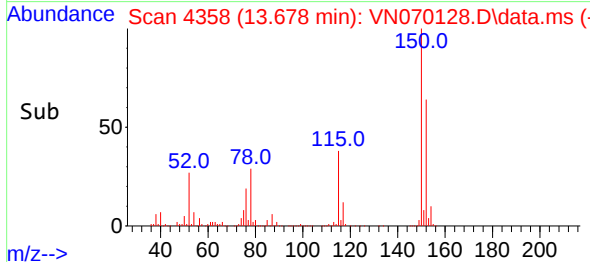
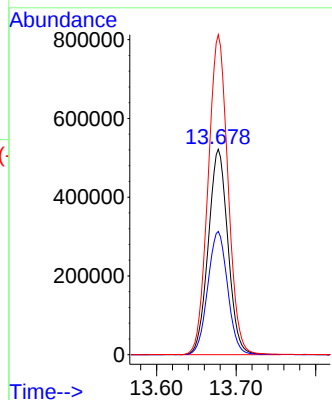


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

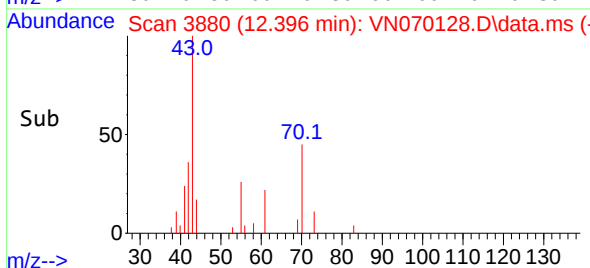
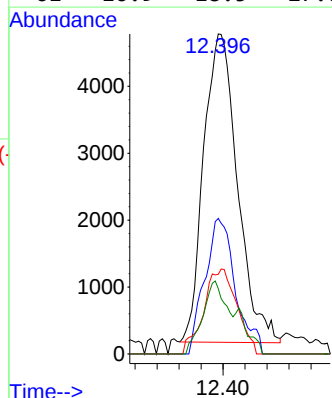
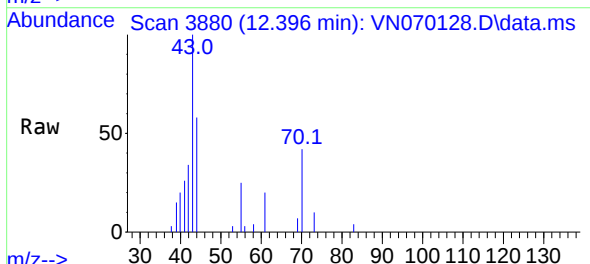


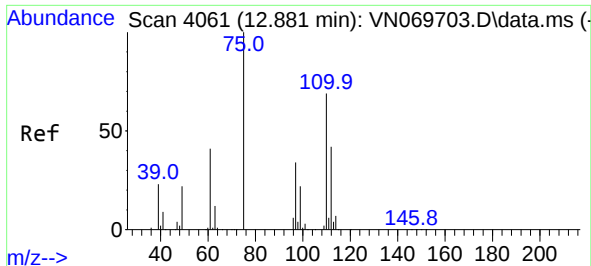
Tgt Ion:152 Resp: 896000
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 157.2 0.0 344.4



#74
N-ethyl acetate
Concen: 0.279 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Tgt Ion: 43 Resp: 9838
Ion Ratio Lower Upper
43 100
70 39.9 33.4 50.0
55 27.0 19.3 28.9
61 16.9 18.5 27.7#

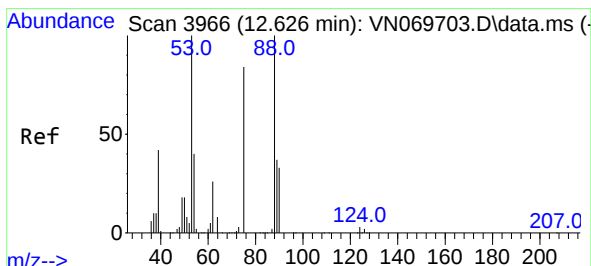
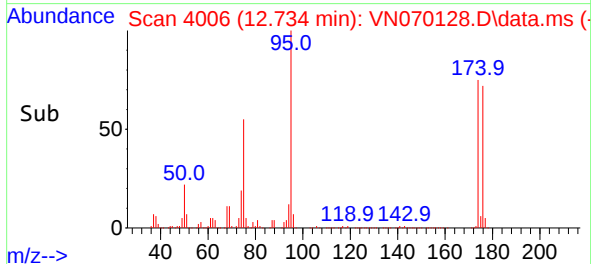
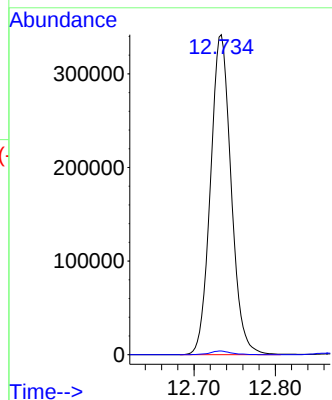
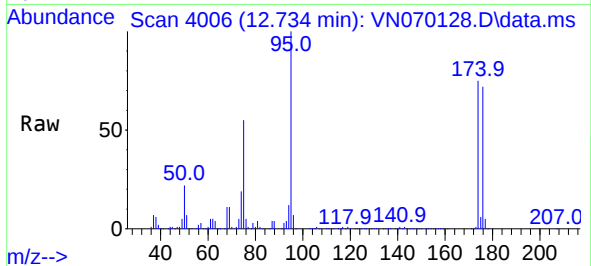




#76
1,2,3-Trichloropropane
Concen: 23.484 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

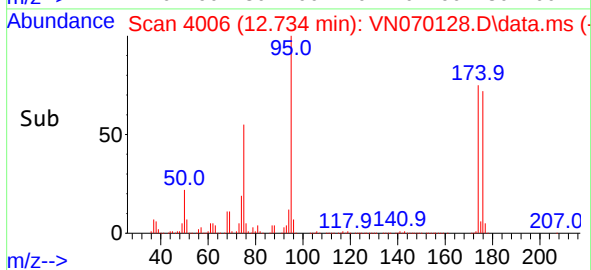
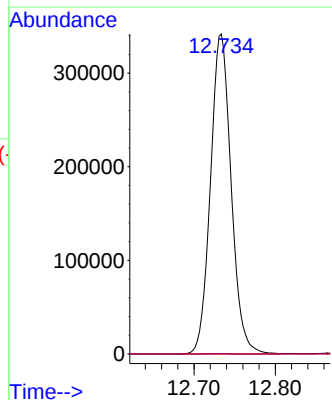
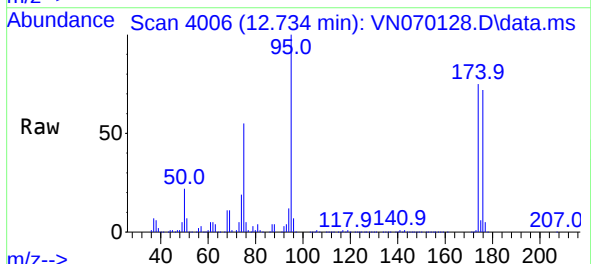
Instrument :
MSVOA_N
ClientSampleId :

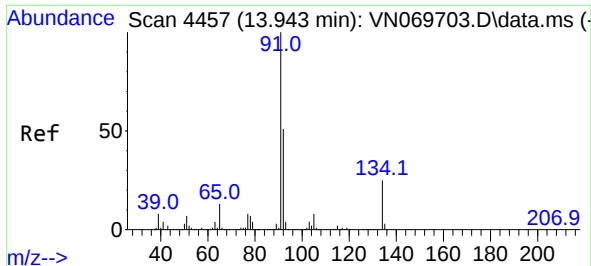
Tgt Ion: 75 Resp: 603431
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.679 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

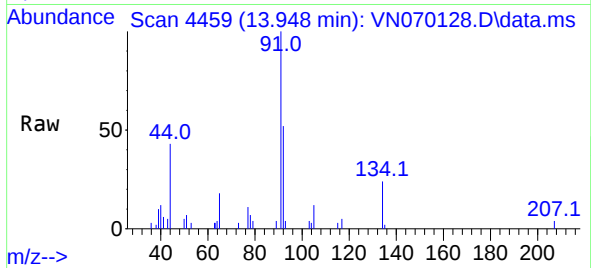
Tgt Ion: 75 Resp: 603431
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



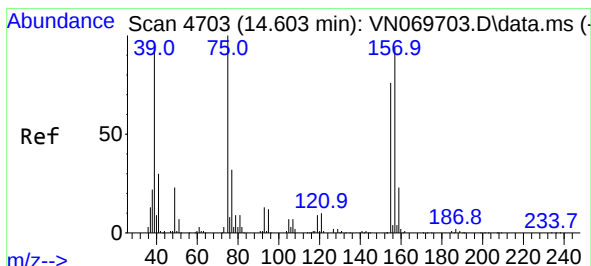
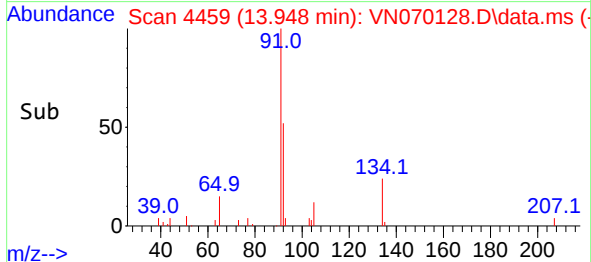
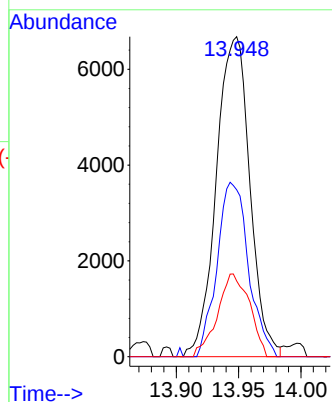


#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 13.948 min Scan# 4457
Delta R.T. 0.006 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :

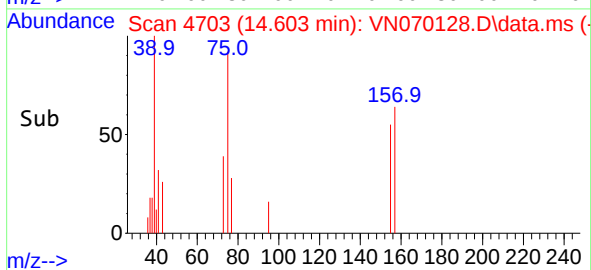
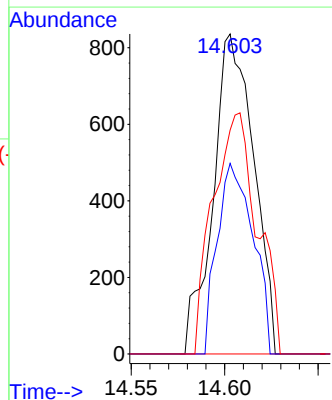
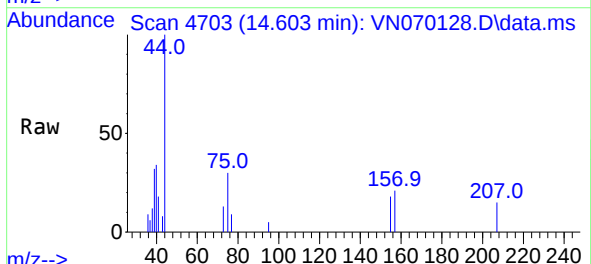


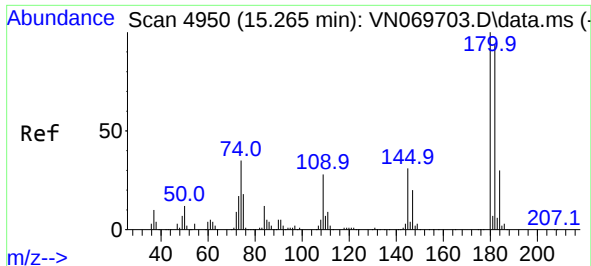
Tgt Ion: 91 Resp: 12500
Ion Ratio Lower Upper
91 100
92 51.1 25.4 76.0
134 24.7 13.6 40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.254 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

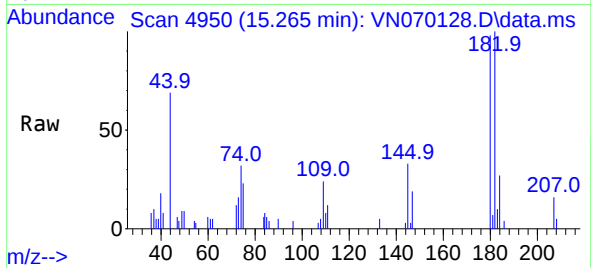
Tgt Ion: 75 Resp: 1267
Ion Ratio Lower Upper
75 100
155 52.2 46.9 140.7
157 81.9 60.6 181.7



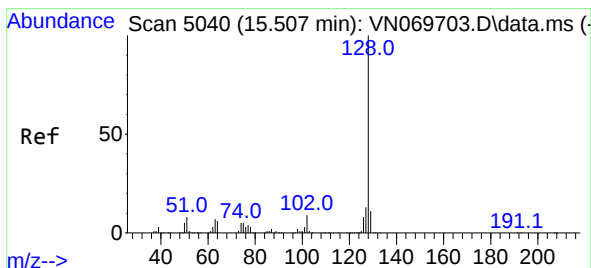
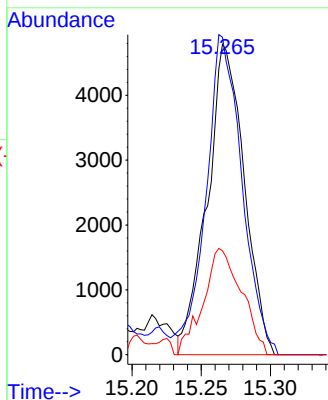
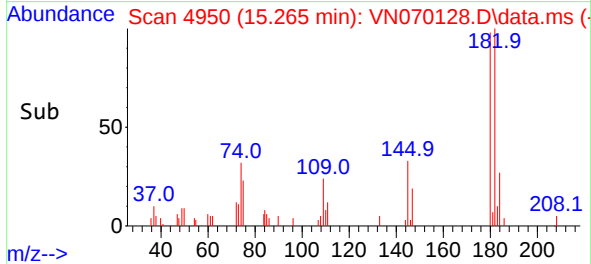


#93
1,2,4-Trichlorobenzene
Concen: 3.449 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58

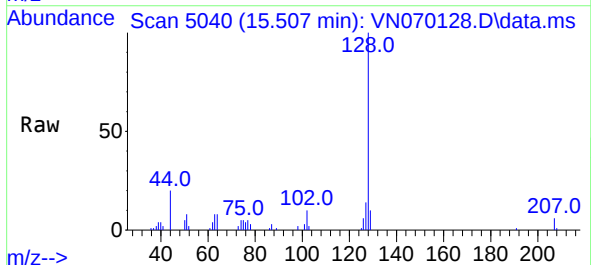
Instrument :
MSVOA_N
ClientSampleId :



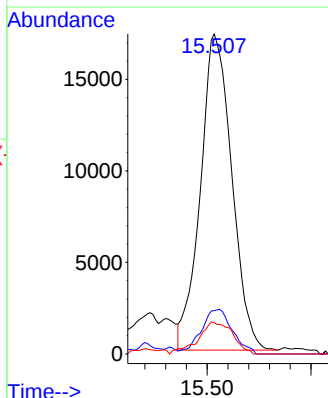
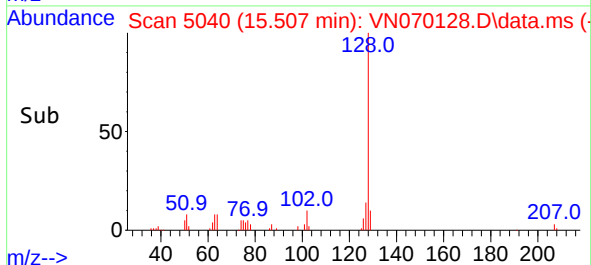
Tgt Ion:180 Resp: 8910
Ion Ratio Lower Upper
180 100
182 100.2 48.3 144.9
145 35.4 14.5 43.5

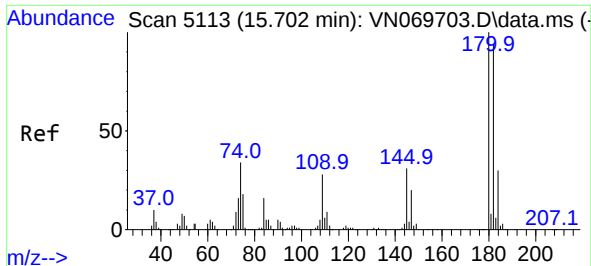


#95
Naphthalene
Concen: 4.747 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070128.D
Acq: 16 Dec 2021 10:58



Tgt Ion:128 Resp: 36273
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 11.1 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 3.135 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

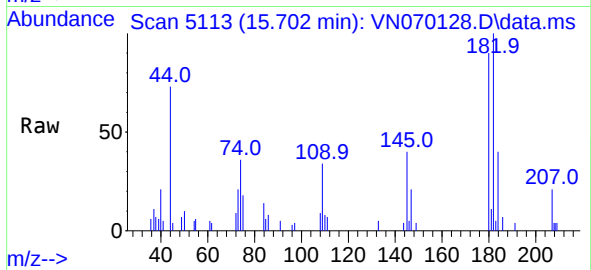
Lab File: VN070128.D

Acq: 16 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 10534

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.2

145 35.0 15.0 45.1

