

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121821\
 Data File : VN070207.D
 Acq On : 18 Dec 2021 12:07
 Operator : JC/MD
 Sample : VN1218MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 08:42:53 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)

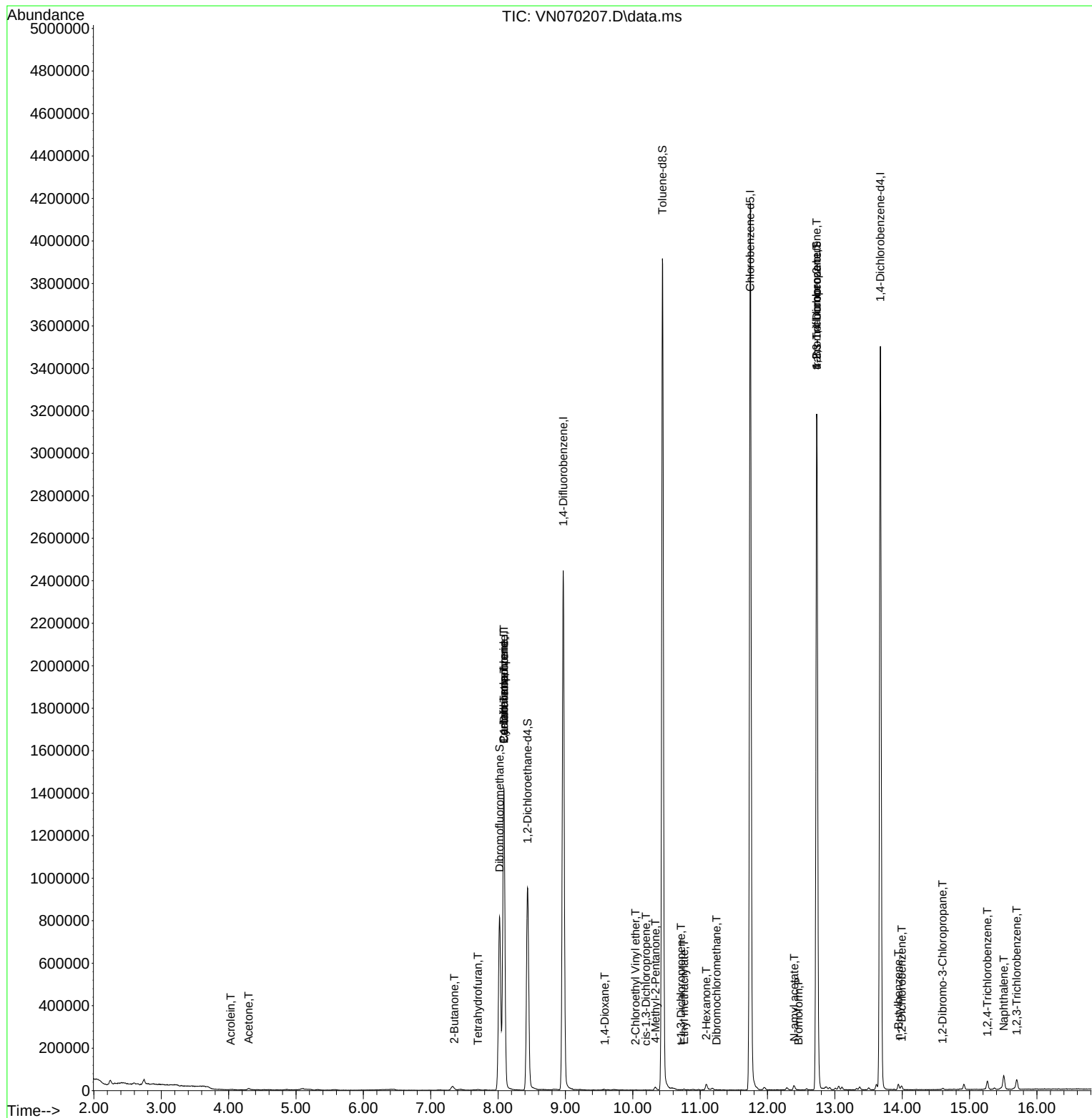
Internal Standards						
1) Pentafluorobenzene	8.086	168	1071680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2048544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2348255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	939209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	843880	51.000	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.000%	
35) Dibromofluoromethane	8.021	113	600205	46.775	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.560%	
50) Toluene-d8	10.440	98	2703267	52.467	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.940%	
62) 4-Bromofluorobenzene	12.731	95	1153899	61.819	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 123.640%	
Target Compounds						
					Qvalue	
13) Acrolein	4.031	56	876	0.329	ug/l #	49
16) Acetone	4.296	43	10421	1.047	ug/l	100
25) 2-Butanone	7.351	43	6273	0.464	ug/l #	88
29) Tetrahydrofuran	7.702	42	3616	0.440	ug/l #	60
31) Cyclohexane	8.086	56	25652	1.114	ug/l #	13
36) 1,1-Dichloropropene	8.086	75	90573	4.644	ug/l #	48
38) Carbon Tetrachloride	8.086	117	109612	5.732	ug/l #	16
49) 1,4-Dioxane	9.582	88	542	1.507	ug/l #	72
51) 4-Methyl-2-Pentanone	10.336	43	12066	0.433	ug/l	95
53) t-1,3-Dichloropropene	10.714	75	850	2.828	ug/l #	56
54) cis-1,3-Dichloropropene	10.196	75	166	2.005	ug/l #	74
56) Ethyl methacrylate	10.762	69	2201	2.355	ug/l #	82
58) 2-Chloroethyl Vinyl ether	10.041	63	221	18.416	ug/l #	45
59) 2-Hexanone	11.089	43	24919	1.182	ug/l	94
60) Dibromochloromethane	11.242	129	334	2.396	ug/l #	29
71) Bromoform	12.460	173	509	2.764	ug/l #	29
74) N-amyl acetate	12.396	43	15506	0.420	ug/l #	92
76) 1,2,3-Trichloropropane	12.731	75	629277	23.363	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	629277	74.316	ug/l #	5
89) n-Butylbenzene	13.943	91	14067	0.275	ug/l	92
91) 1,2-Dichlorobenzene	13.994	146	6705	0.213	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.600	75	2076	0.398	ug/l	61
93) 1,2,4-Trichlorobenzene	15.265	180	13779	3.721	ug/l	96
95) Naphthalene	15.507	128	67190	5.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	18031	3.578	ug/l	98

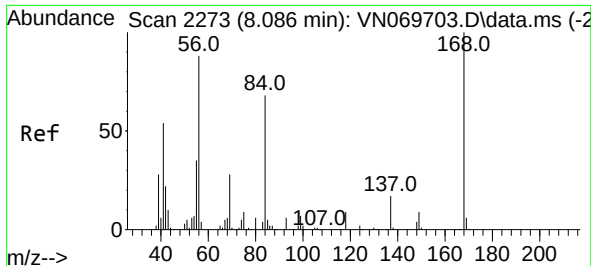
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

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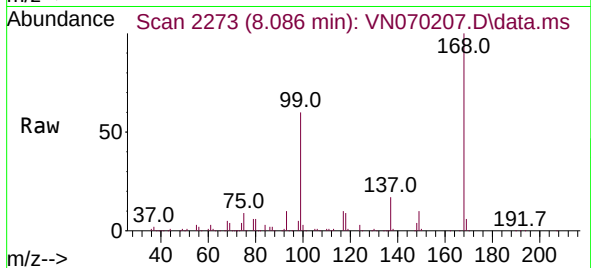
Quant Time: Dec 19 08:42:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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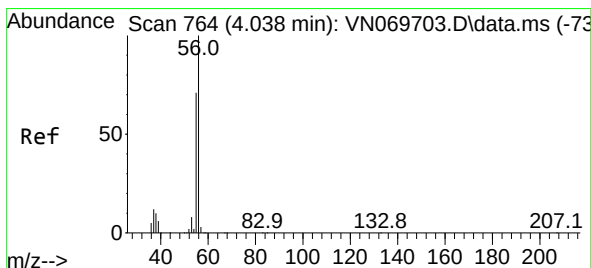
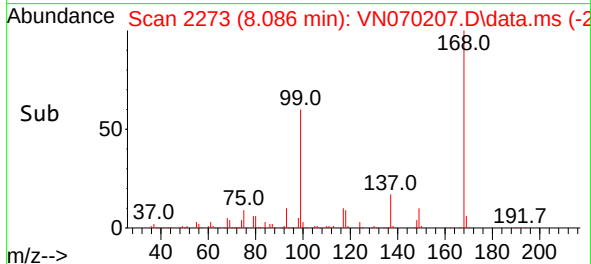
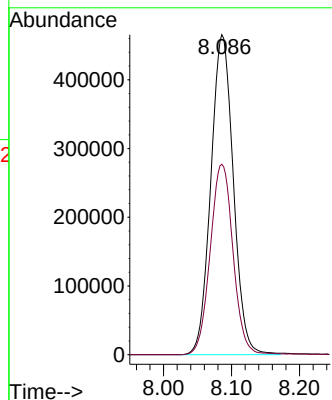


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Instrument :
MSVOA_N
ClientSampleId :

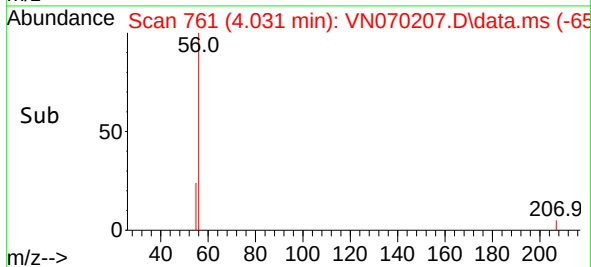
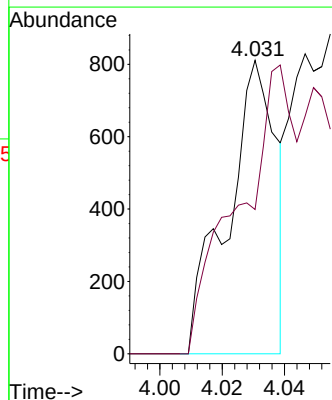
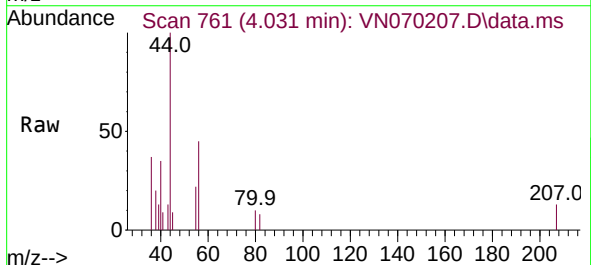


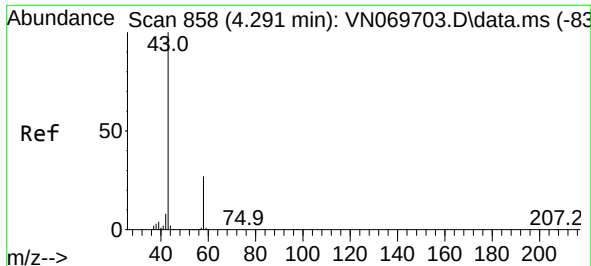
Tgt Ion:168 Resp: 1071680
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#13
Acrolein
Concen: 0.329 ug/l
RT: 4.031 min Scan# 761
Delta R.T. -0.008 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Tgt Ion: 56 Resp: 876
Ion Ratio Lower Upper
56 100
55 112.7 56.6 85.0#

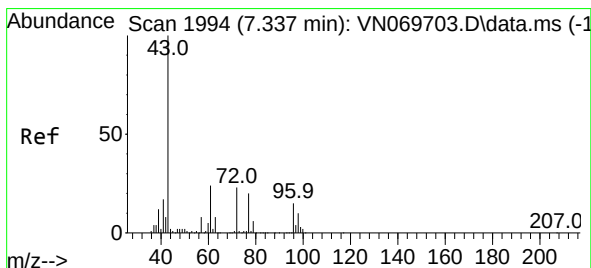
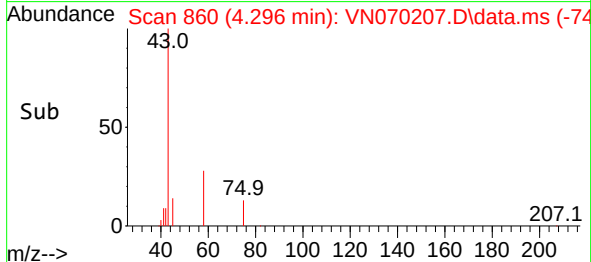
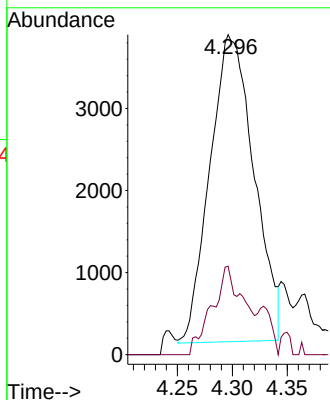
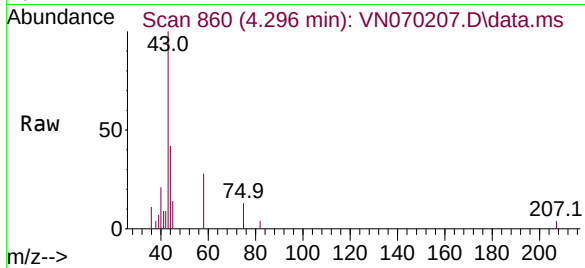




#16
Acetone
Concen: 1.047 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.006 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

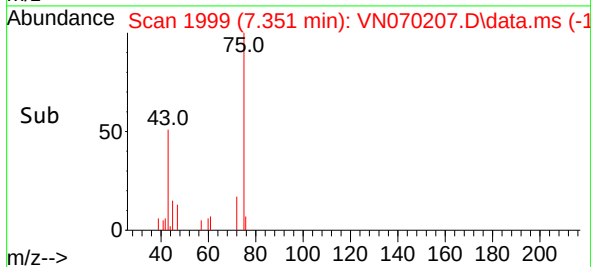
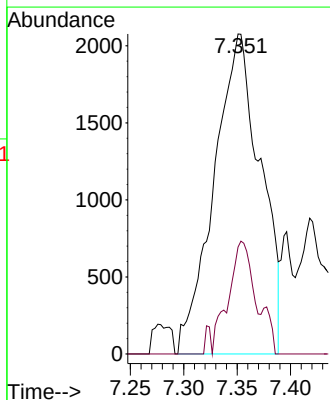
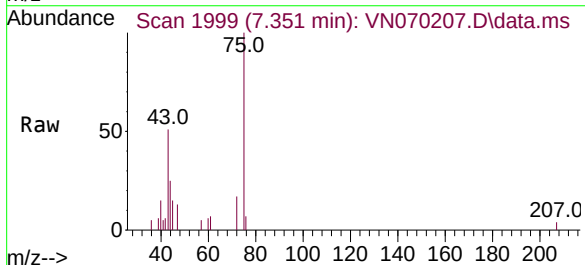
Instrument :
MSVOA_N
ClientSampleId :

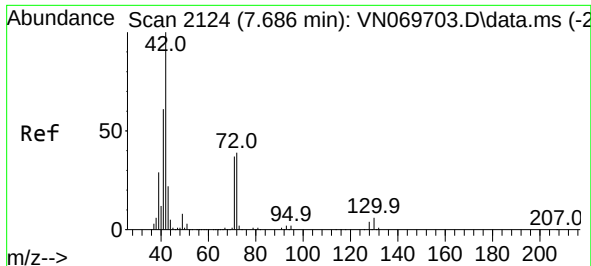
Tgt Ion: 43 Resp: 10421
Ion Ratio Lower Upper
43 100
58 29.0 23.1 34.7



#25
2-Butanone
Concen: 0.464 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Tgt Ion: 43 Resp: 6273
Ion Ratio Lower Upper
43 100
72 33.4 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.440 ug/l

RT: 7.702 min Scan# 21

Delta R.T. 0.016 min

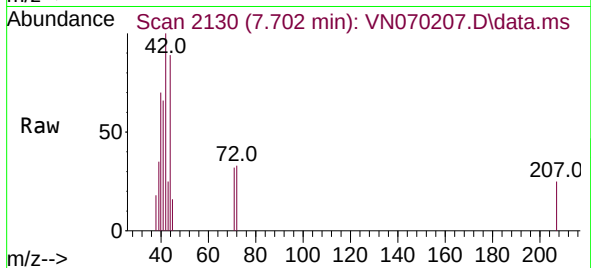
Lab File: VN070207.D

Acq: 18 Dec 2021 12:07

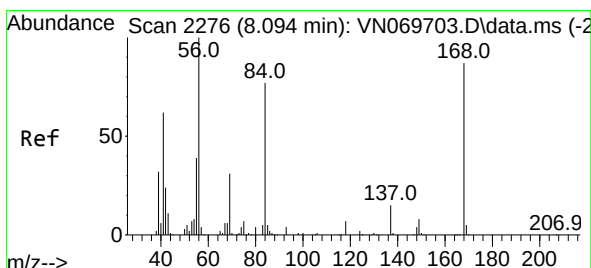
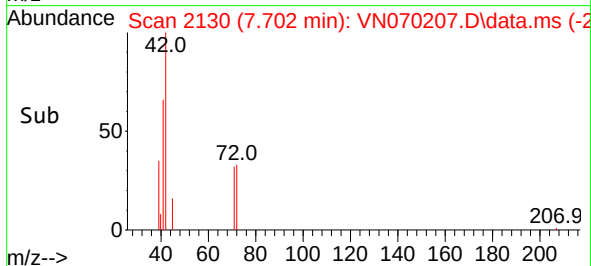
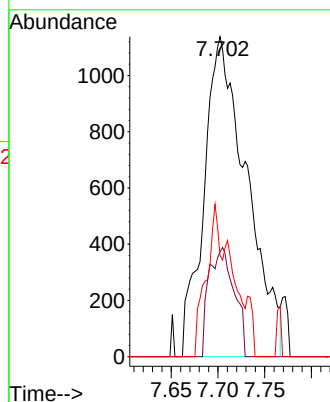
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3616
Ion Ratio	Lower	Upper	
42	100		
72	20.1	36.3	54.5#
71	16.3	34.7	52.1#



#31

Cyclohexane

Concen: 1.114 ug/l

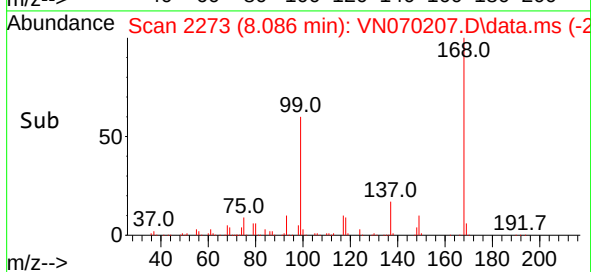
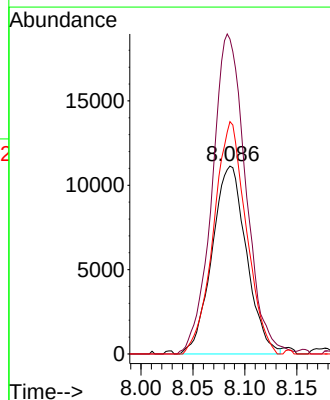
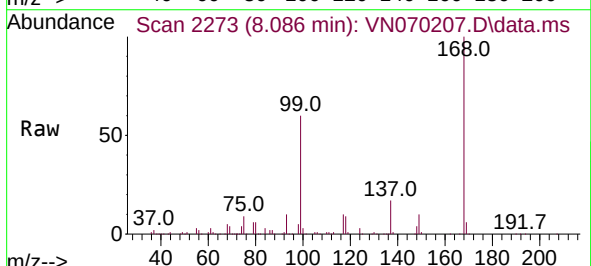
RT: 8.086 min Scan# 2273

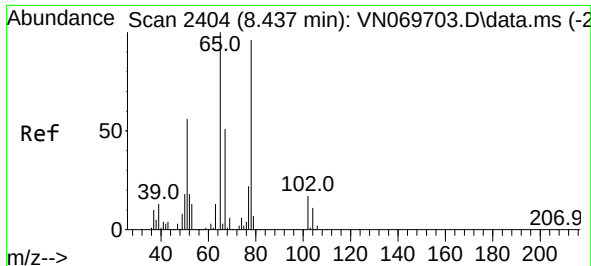
Delta R.T. -0.008 min

Lab File: VN070207.D

Acq: 18 Dec 2021 12:07

Tgt Ion:	56	Resp:	25652
Ion Ratio	Lower	Upper	
56	100		
69	166.2	27.1	40.7#
84	123.6	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.000 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070207.D

Acq: 18 Dec 2021 12:07

Instrument :

MSVOA_N

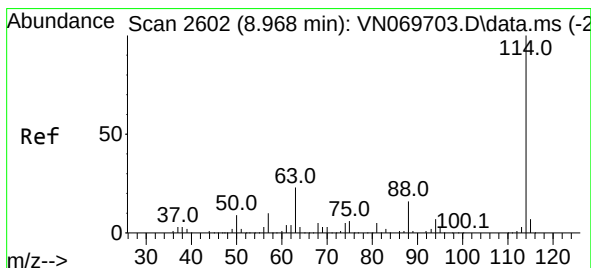
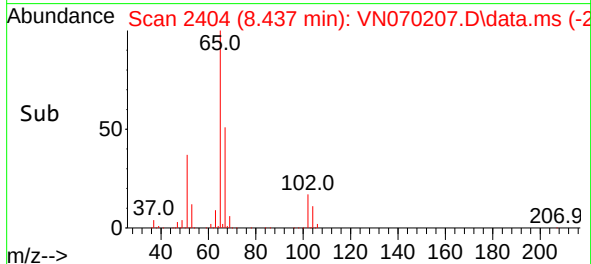
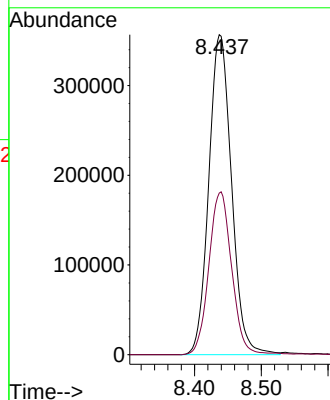
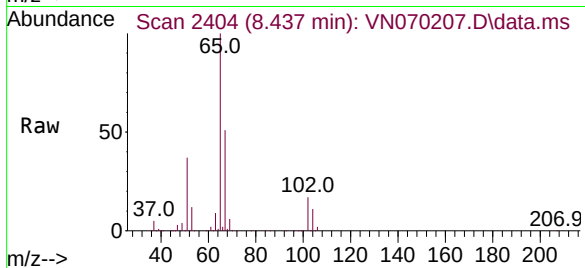
ClientSampleId :

Tgt Ion: 65 Resp: 843880

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: VN070207.D

Acq: 18 Dec 2021 12:07

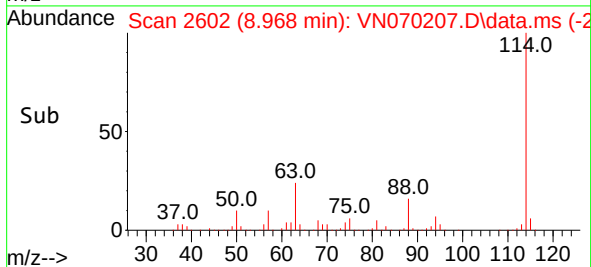
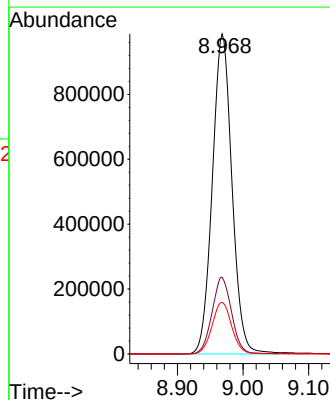
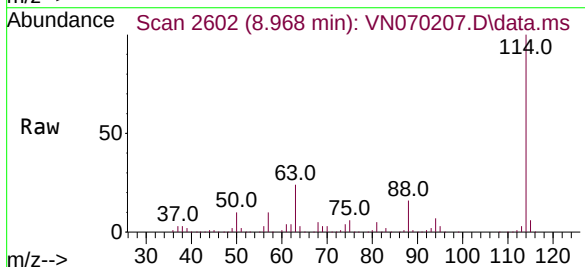
Tgt Ion: 114 Resp: 2048544

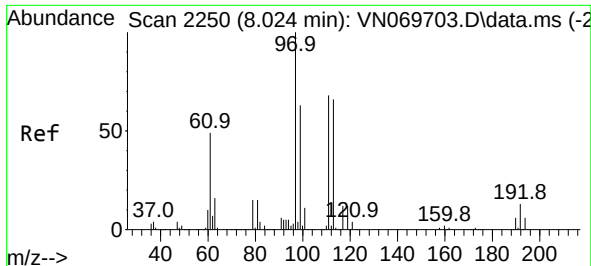
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

88 16.1 0.0 27.4

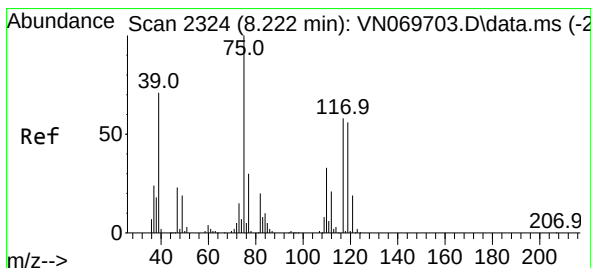
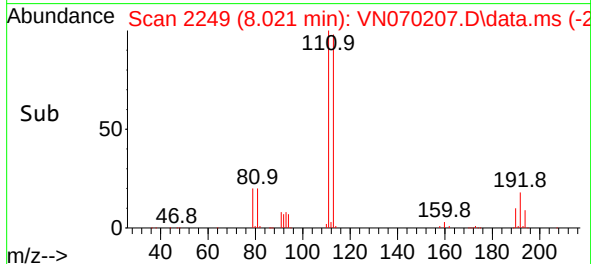
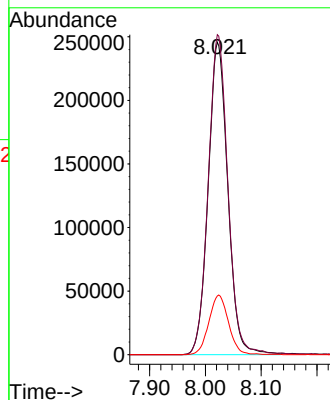
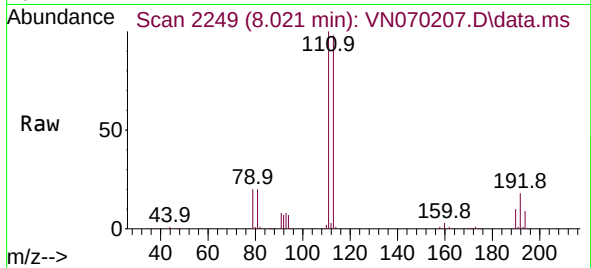




#35
 Dibromofluoromethane
 Concen: 46.775 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VN070207.D
 Acq: 18 Dec 2021 12:07

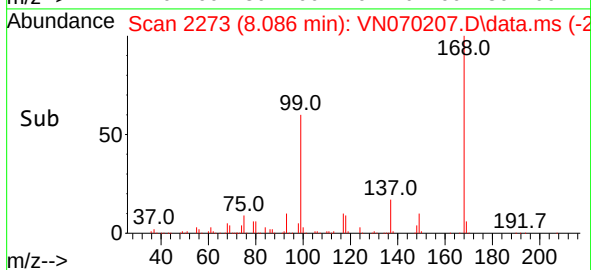
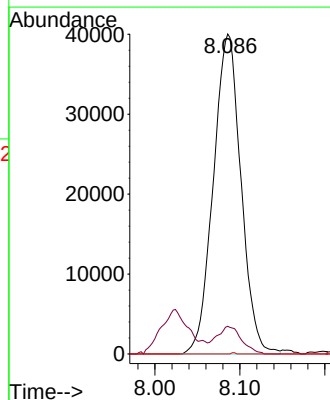
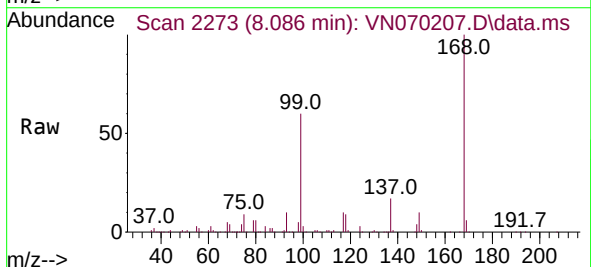
Instrument :
 MSVOA_N
 ClientSampleId :

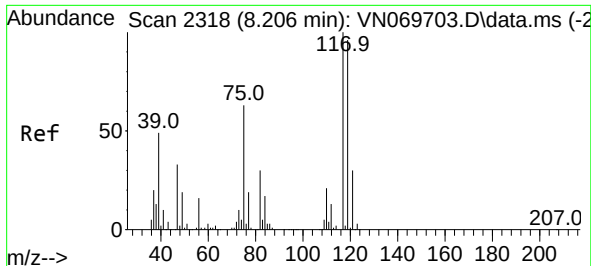
Tgt Ion:113 Resp: 600205
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.2
 192 19.1 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.644 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN070207.D
 Acq: 18 Dec 2021 12:07

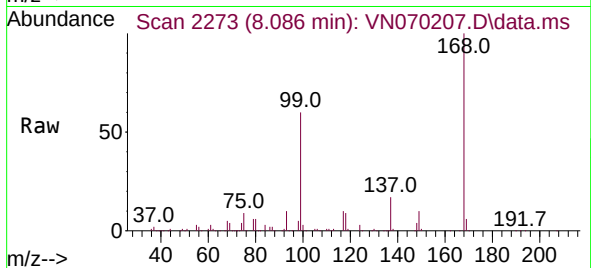
Tgt Ion: 75 Resp: 90573
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.4 55.2#
 77 0.1 24.4 36.6#



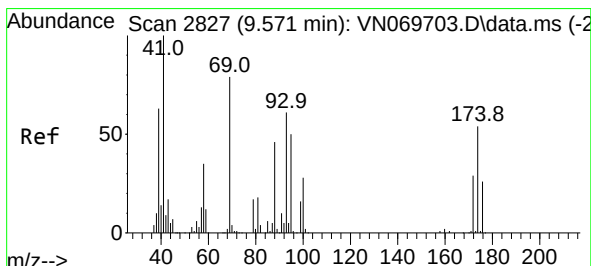
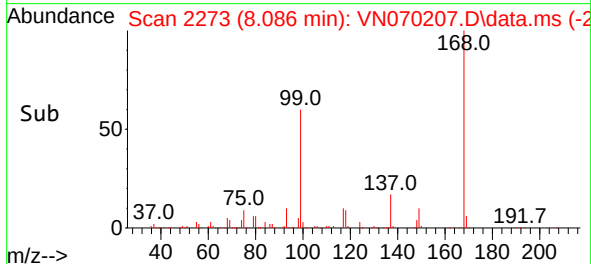
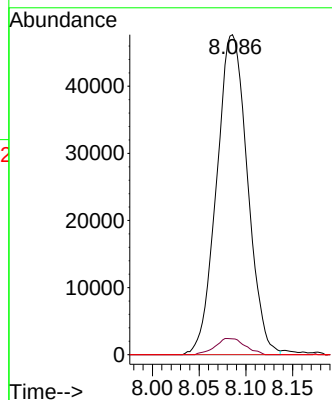


#38
Carbon Tetrachloride
Concen: 5.732 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Instrument :
MSVOA_N
ClientSampleId :

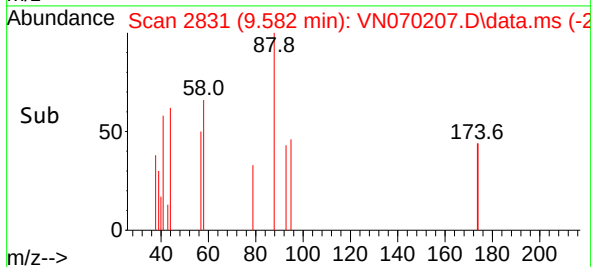
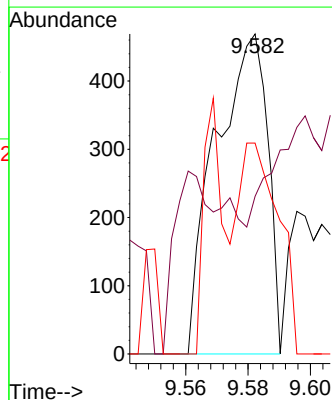
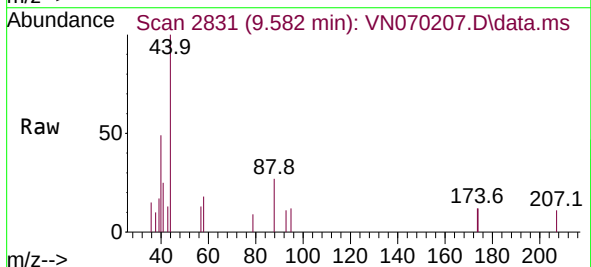


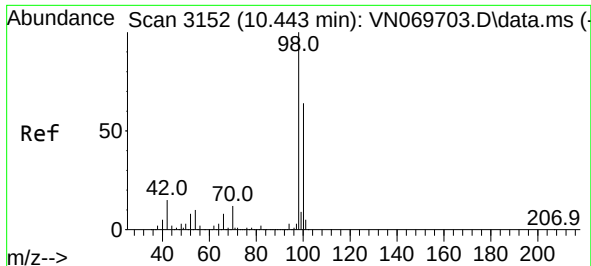
Tgt Ion:117 Resp: 109612
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 1.507 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.011 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Tgt Ion: 88 Resp: 542
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 50.7 50.6 75.8

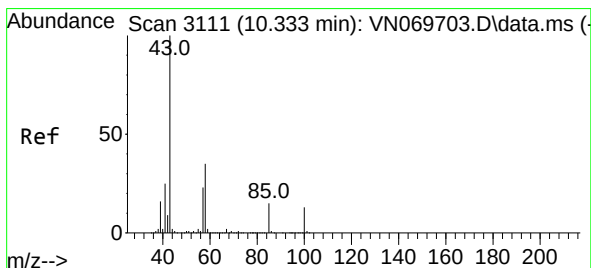
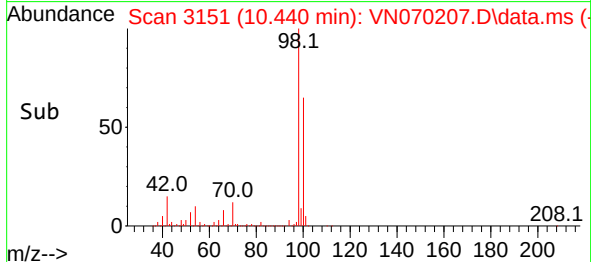
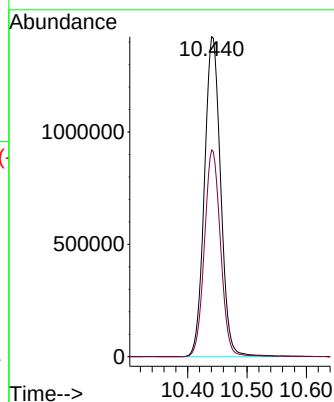
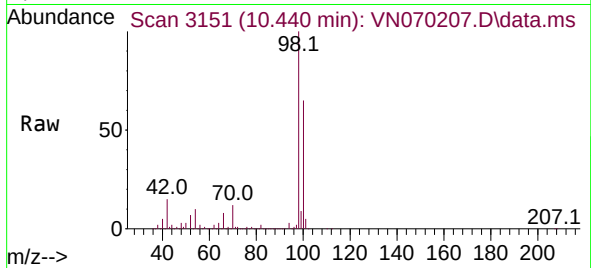




#50
Toluene-d8
Concen: 52.467 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

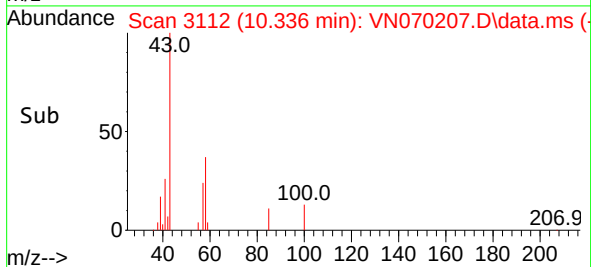
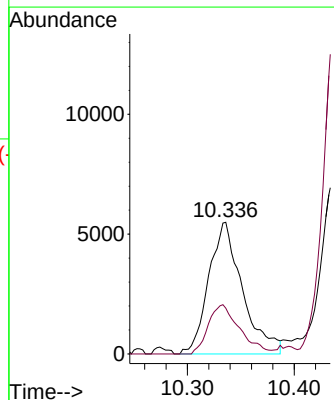
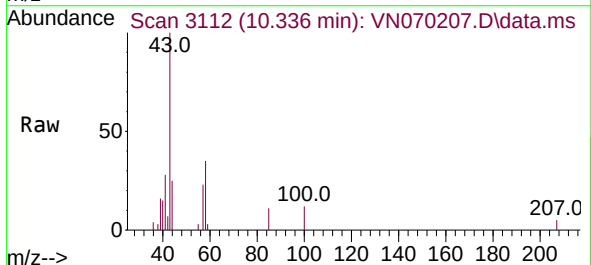
Instrument :
MSVOA_N
ClientSampleId :

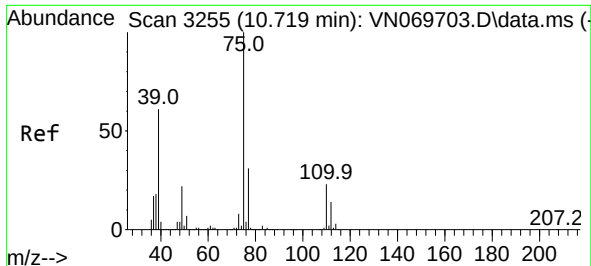
Tgt Ion: 98 Resp: 2703267
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Tgt Ion: 43 Resp: 12066
Ion Ratio Lower Upper
43 100
58 34.8 30.4 45.6

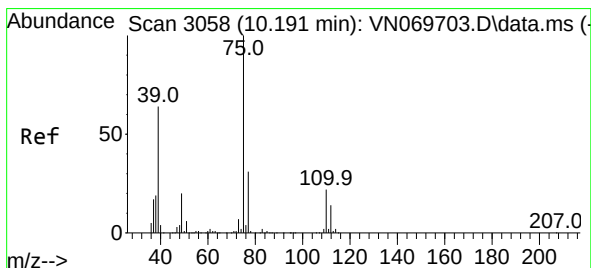
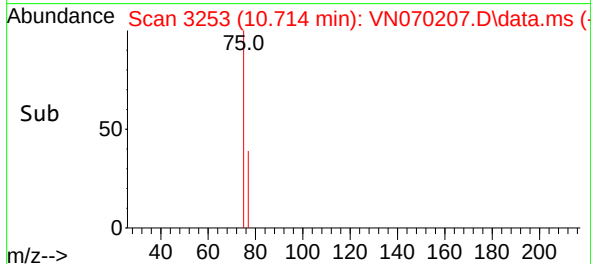
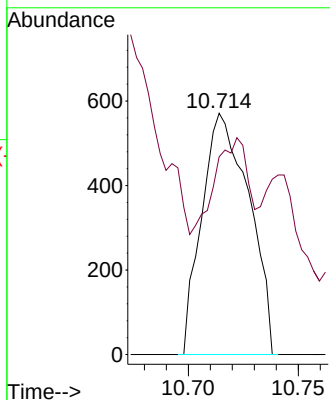
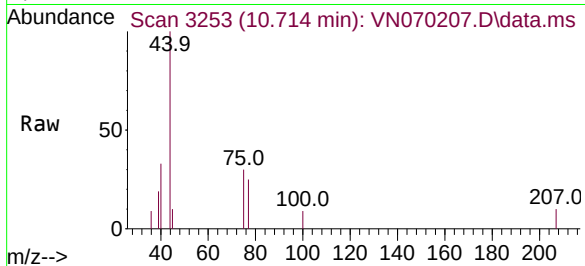




#53
t-1,3-Dichloropropene
Concen: 2.828 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

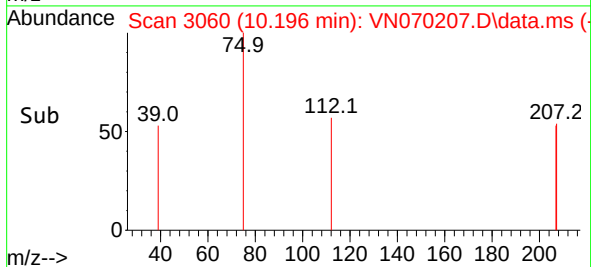
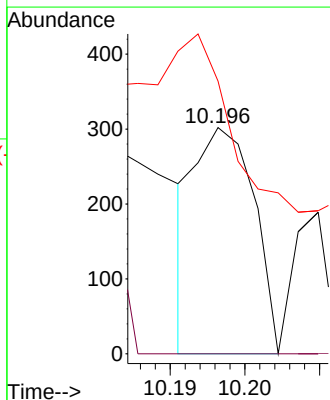
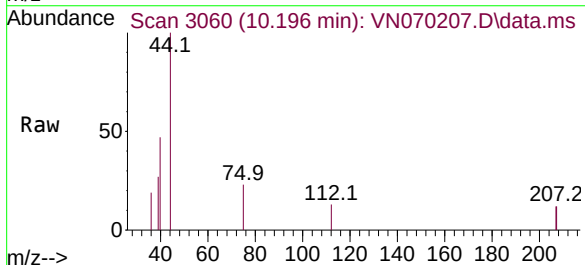
Instrument :
MSVOA_N
ClientSampleId :

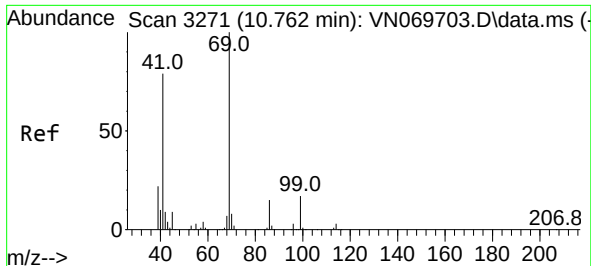
Tgt Ion: 75 Resp: 850
Ion Ratio Lower Upper
75 100
77 7.5 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.005 ug/l
RT: 10.196 min Scan# 3060
Delta R.T. 0.005 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Tgt Ion: 75 Resp: 166
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 49.3 42.5 63.7

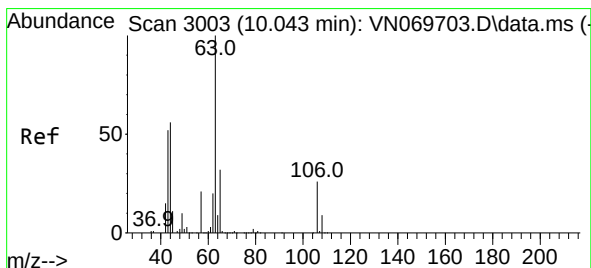
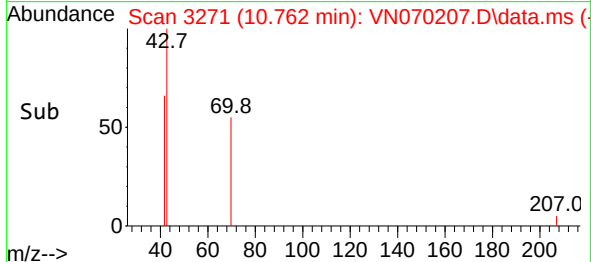
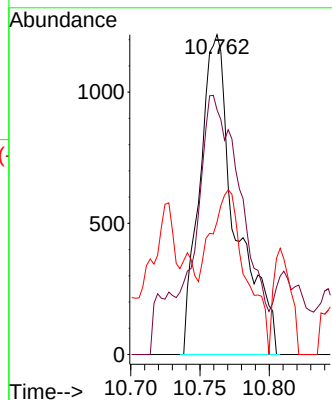
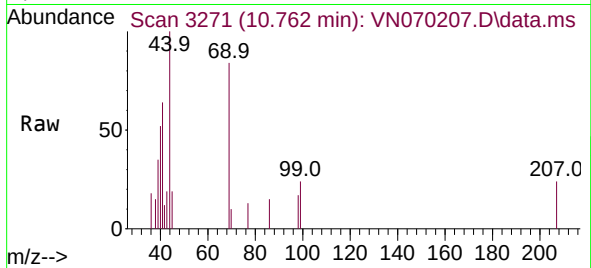




#56
Ethyl methacrylate
Concen: 2.355 ug/l
RT: 10.762 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

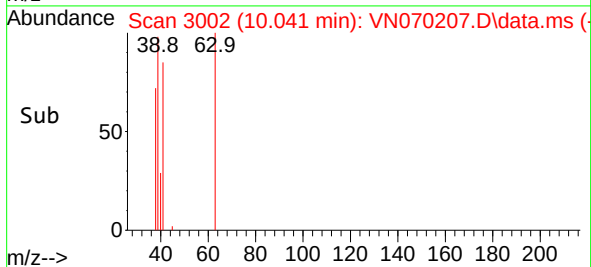
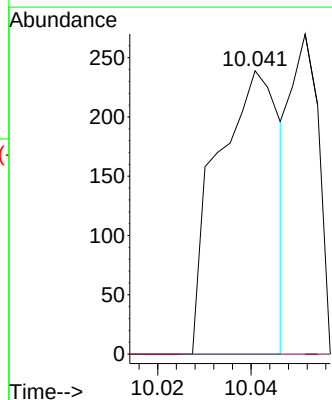
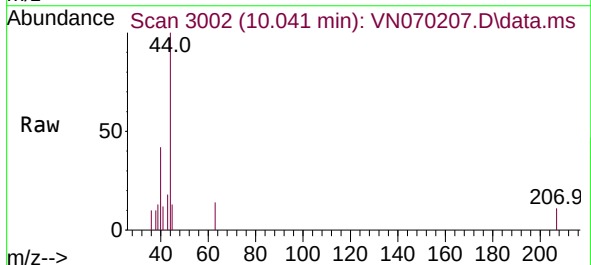
Instrument :
MSVOA_N
ClientSampleId :

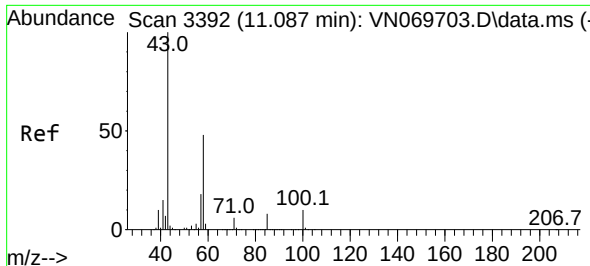
Tgt Ion: 69 Resp: 2201
Ion Ratio Lower Upper
69 100
41 80.4 51.4 77.0#
39 53.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.416 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.002 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Tgt Ion: 63 Resp: 221
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

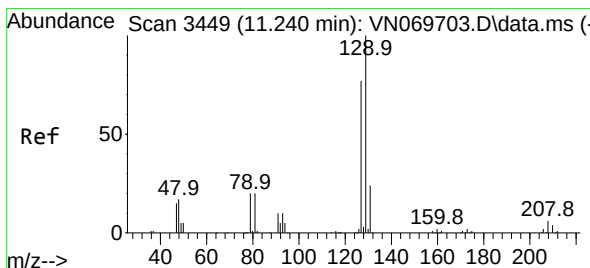
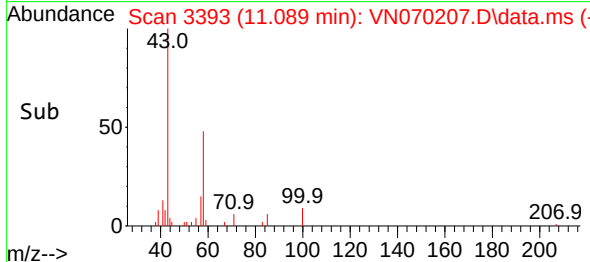
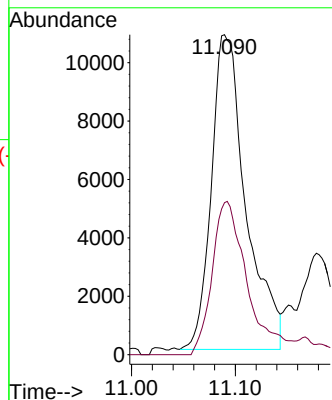
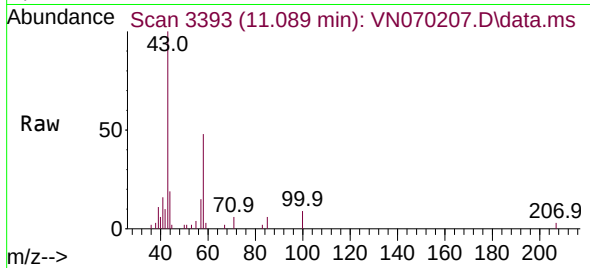




#59
2-Hexanone
Concen: 1.182 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

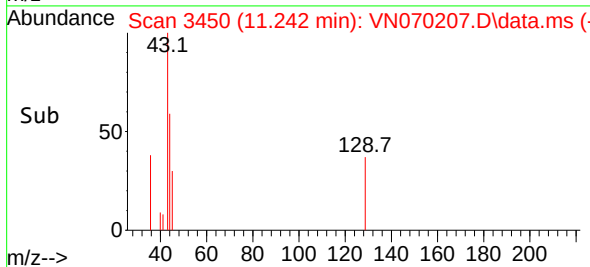
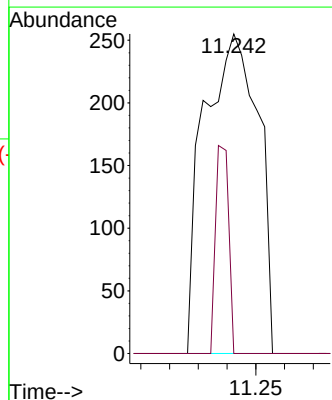
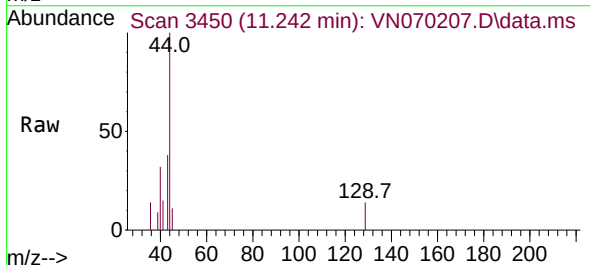
Instrument :
MSVOA_N
ClientSampleId :

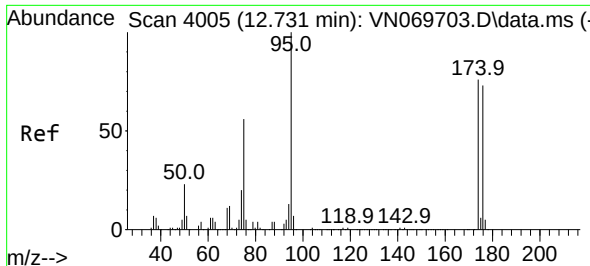
Tgt Ion: 43 Resp: 24919
Ion Ratio Lower Upper
43 100
58 49.6 26.9 80.7



#60
Dibromochloromethane
Concen: 2.396 ug/l
RT: 11.242 min Scan# 3450
Delta R.T. 0.002 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Tgt Ion: 129 Resp: 334
Ion Ratio Lower Upper
129 100
127 15.9 38.6 116.0#

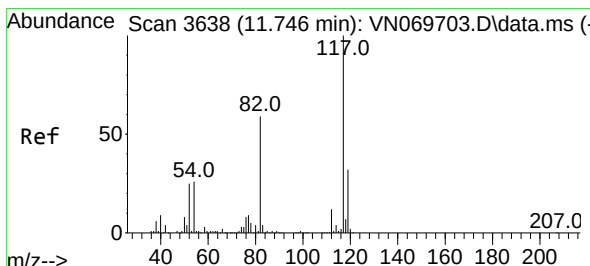
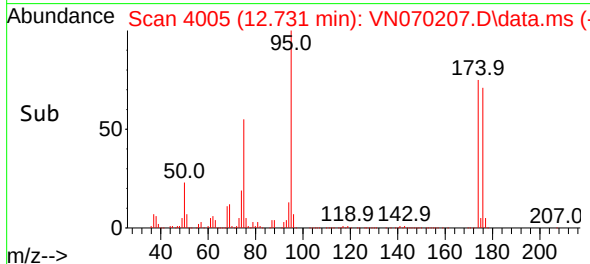
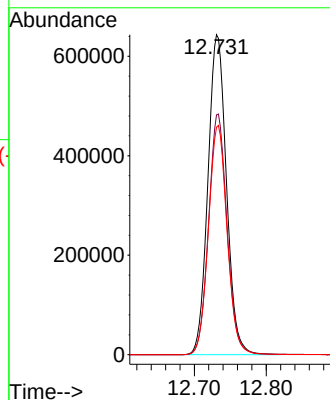
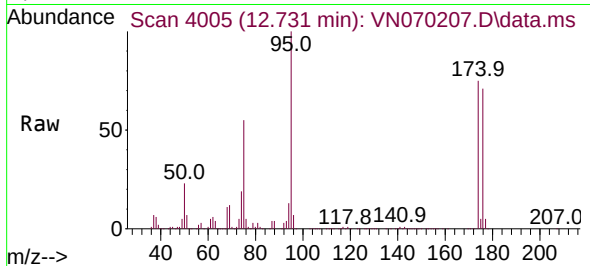




#62
4-Bromofluorobenzene
Concen: 61.819 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

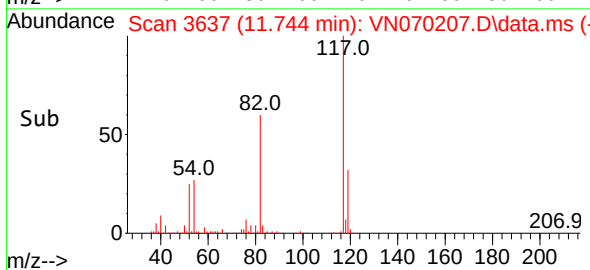
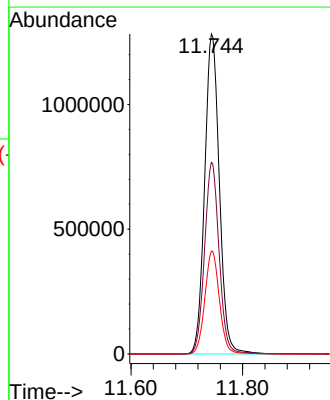
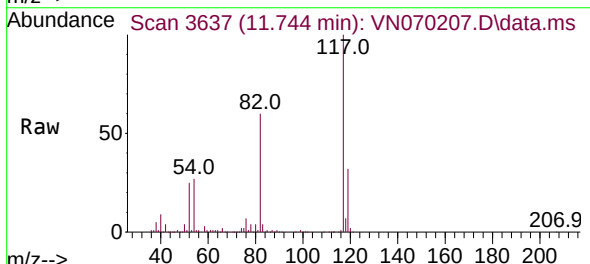
Instrument :
MSVOA_N
ClientSampleId :

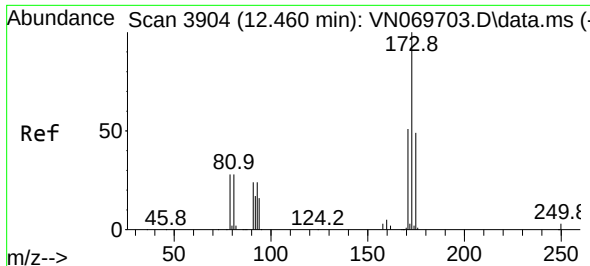
Tgt Ion: 95 Resp: 1153899
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

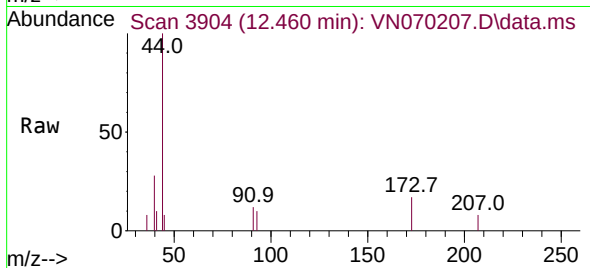
Tgt Ion: 117 Resp: 2348255
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.1 25.4 38.2



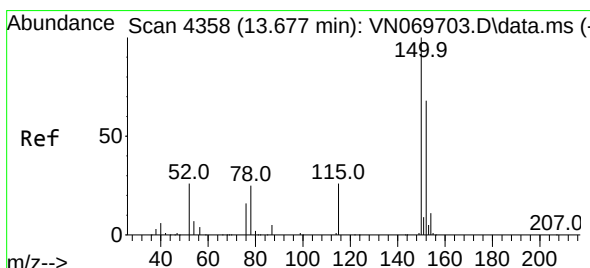
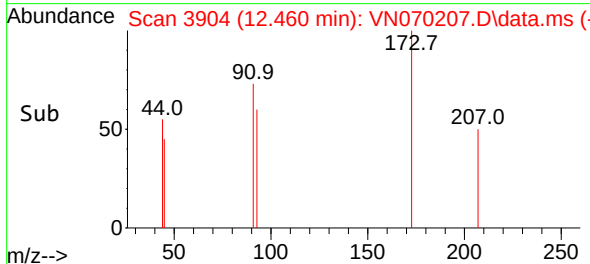
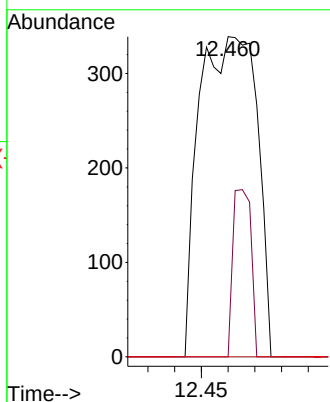


#71
Bromoform
Concen: 2.764 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. -0.000 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Instrument :
MSVOA_N
ClientSampleId :

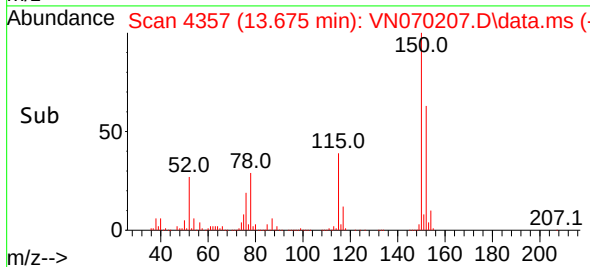
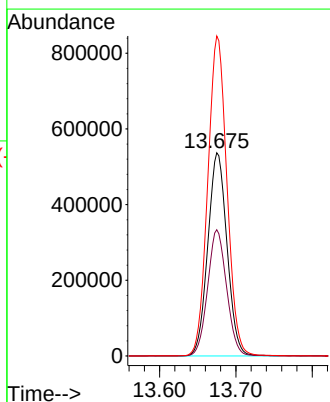
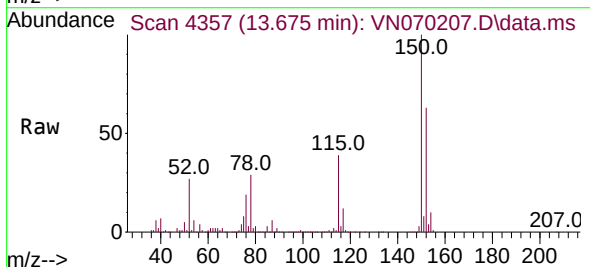


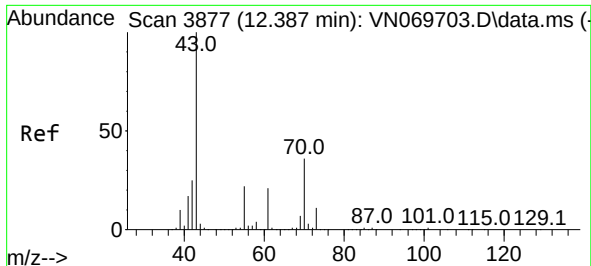
Tgt Ion:173 Resp: 509
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

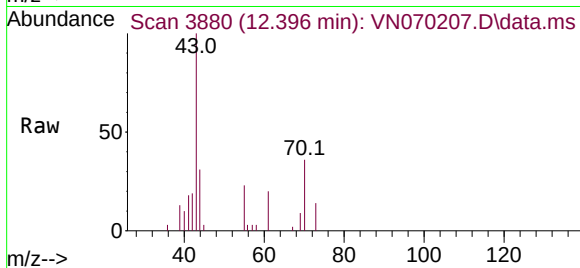
Tgt Ion:152 Resp: 939209
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 156.7 0.0 344.4



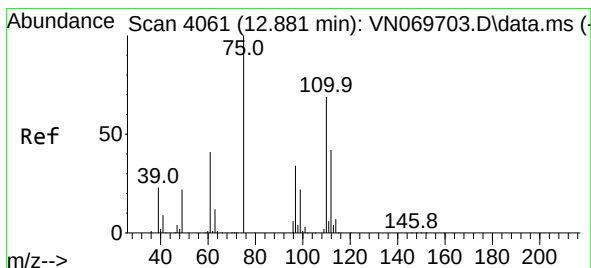
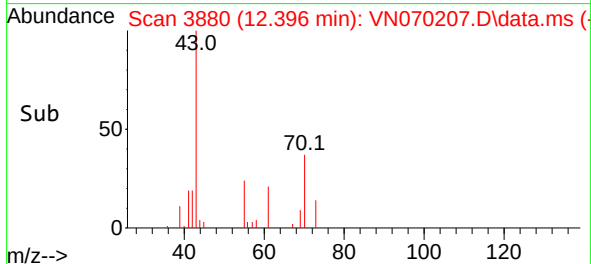
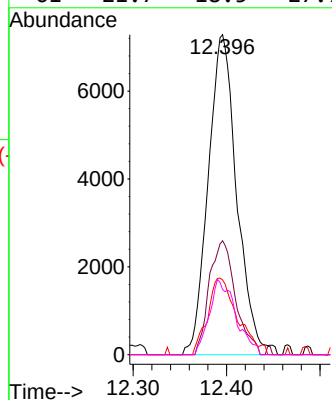


#74
N-amy1 acetate
Concen: 0.420 ug/l
RT: 12.396 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Instrument :
MSVOA_N
ClientSampleId :

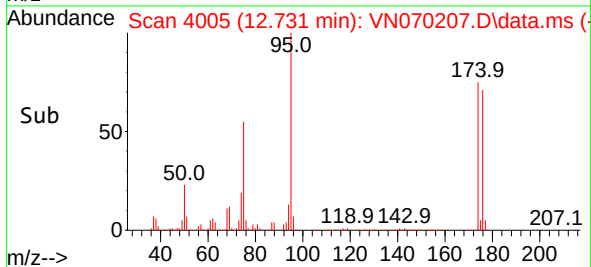
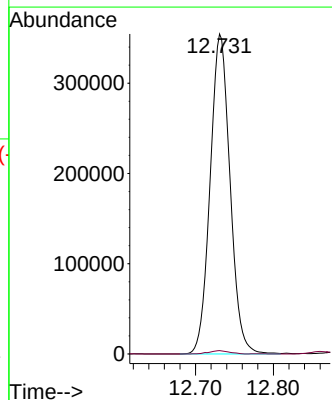
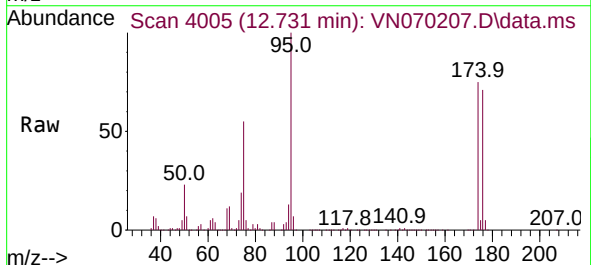


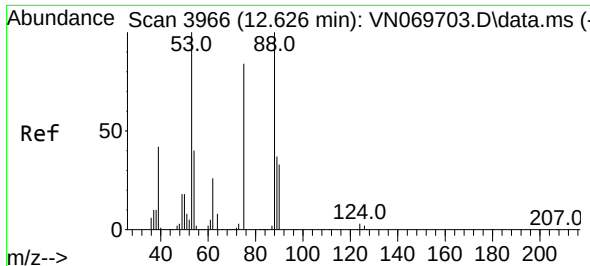
Tgt Ion: 43	Resp: 15506
Ion Ratio	Lower Upper
43	100
70	32.7 33.4 50.0#
55	25.0 19.3 28.9
61	21.7 18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 23.363 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

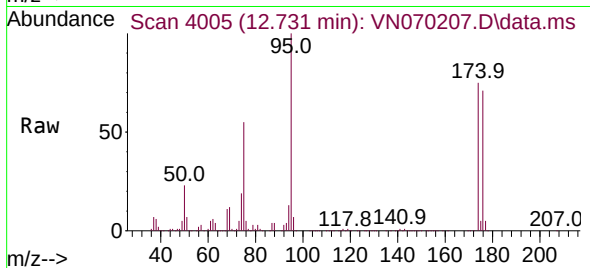
Tgt Ion: 75	Resp: 629277
Ion Ratio	Lower Upper
75	100
77	1.1 82.6 247.8#



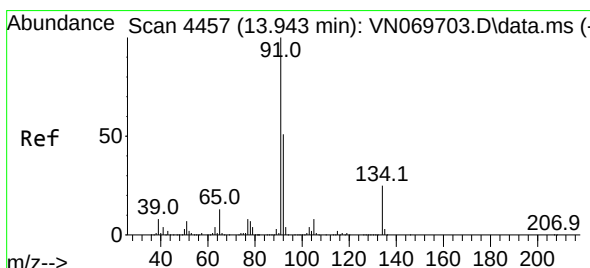
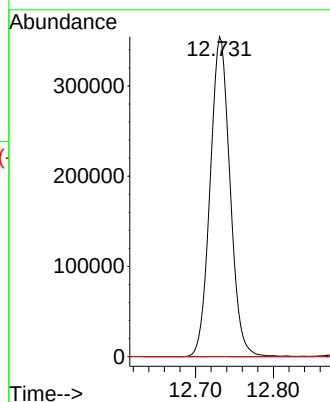
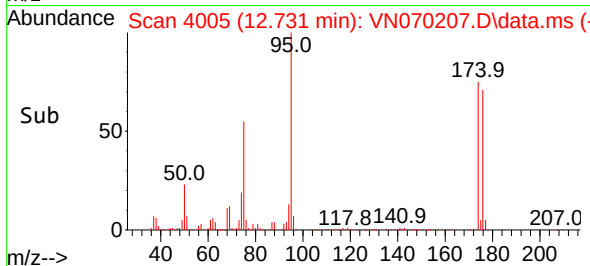


#81
trans-1,4-Dichloro-2-butene
Concen: 74.316 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

Instrument :
MSVOA_N
ClientSampleId :

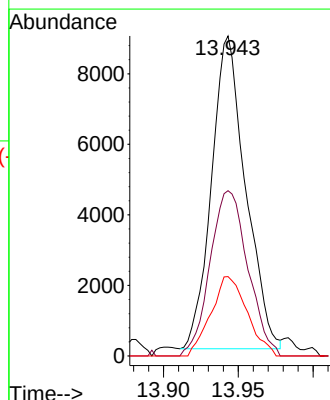
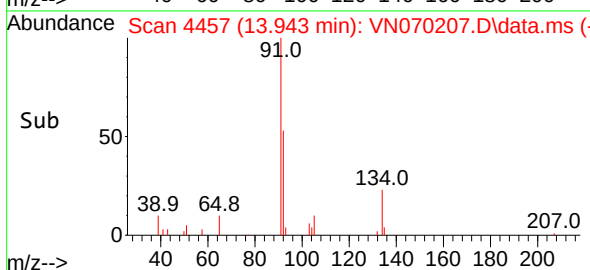
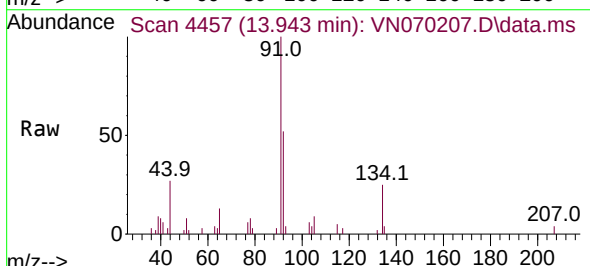


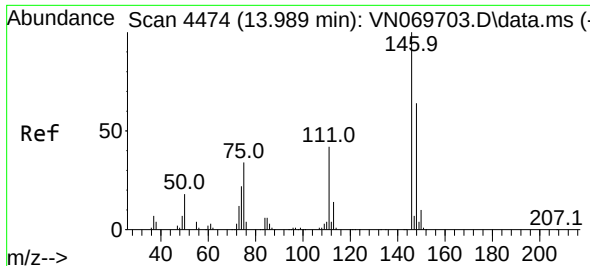
Tgt Ion: 75 Resp: 629277
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.275 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

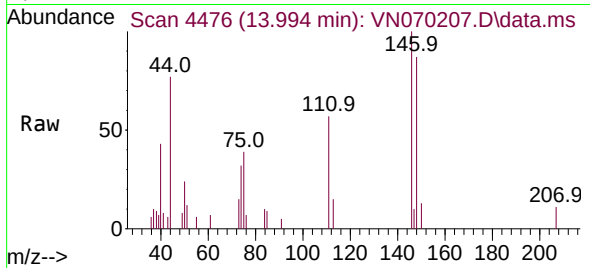
Tgt Ion: 91 Resp: 14067
Ion Ratio Lower Upper
91 100
92 58.6 25.4 76.0
134 27.0 13.6 40.8



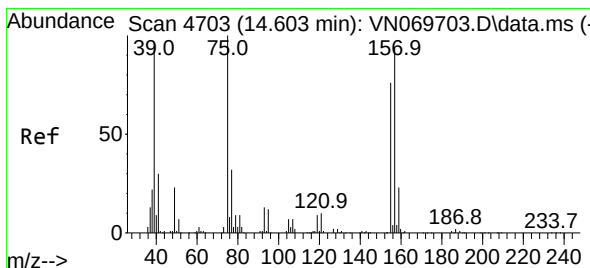
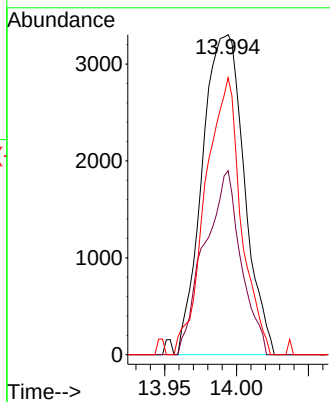
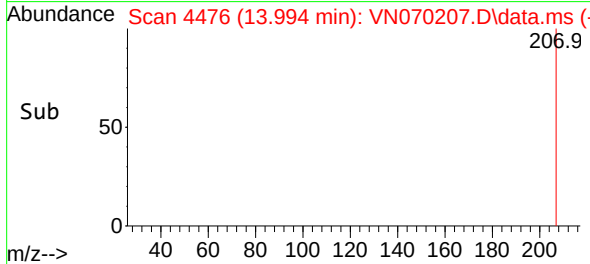


#91
1,2-Dichlorobenzene
Concen: 0.213 ug/l
RT: 13.994 min Scan# 4474
Delta R.T. 0.006 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

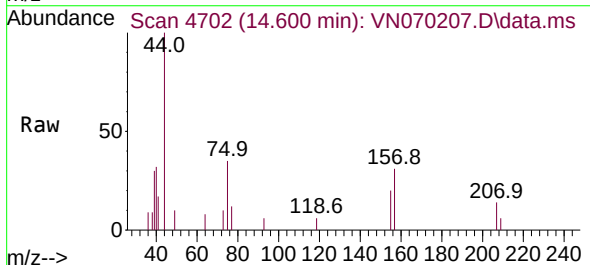
Instrument :
MSVOA_N
ClientSampleId :



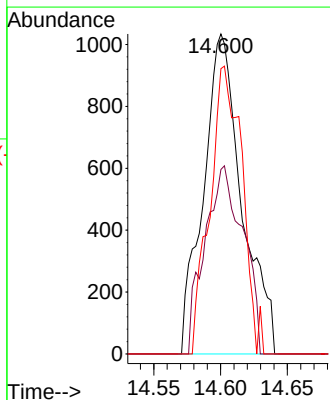
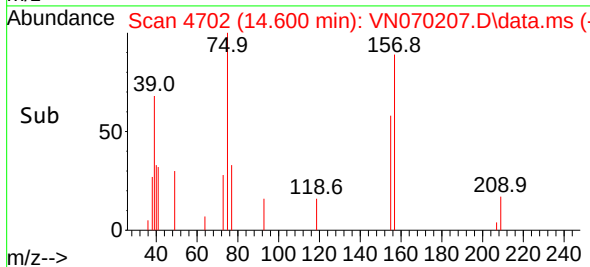
Tgt Ion:146 Resp: 6705
Ion Ratio Lower Upper
146 100
111 50.1 19.1 57.3
148 73.8 32.1 96.3

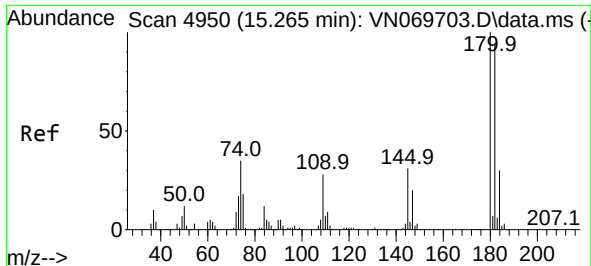


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.398 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. -0.003 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07



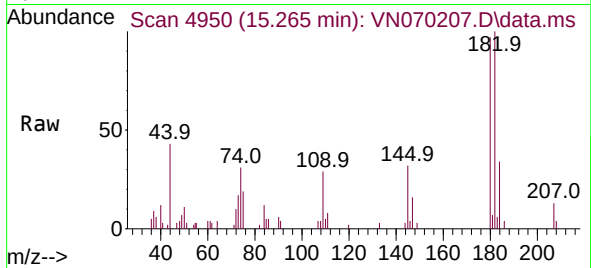
Tgt Ion: 75 Resp: 2076
Ion Ratio Lower Upper
75 100
155 58.3 46.9 140.7
157 75.0 60.6 181.7



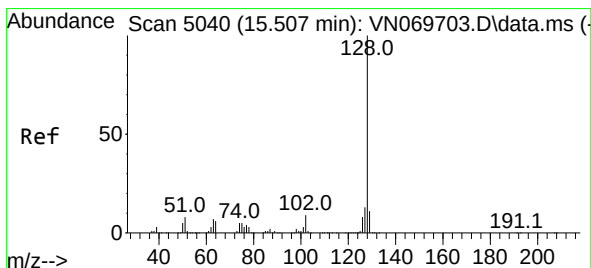
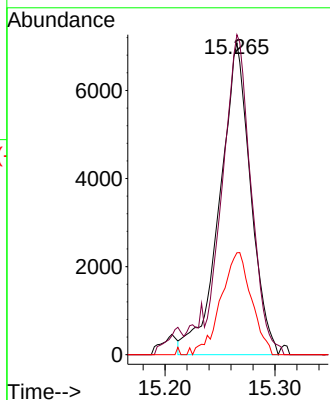
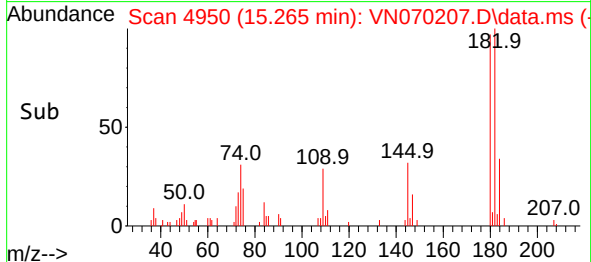


#93
1,2,4-Trichlorobenzene
Concen: 3.721 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07

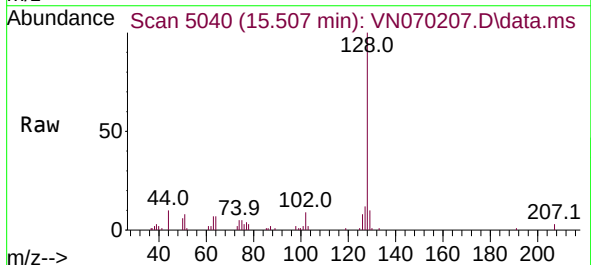
Instrument :
MSVOA_N
ClientSampleId :



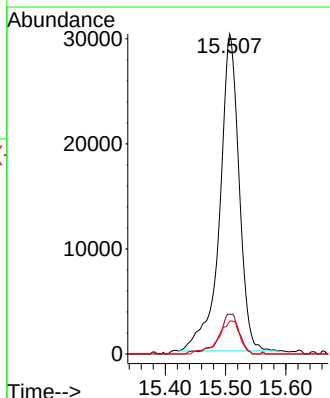
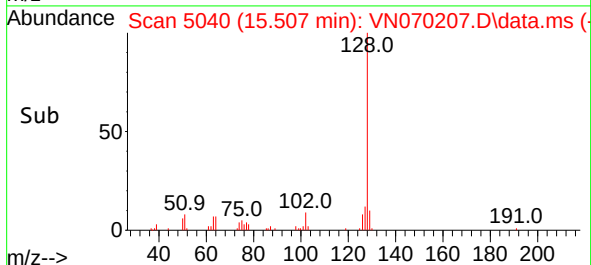
Tgt Ion:180 Resp: 13779
Ion Ratio Lower Upper
180 100
182 93.7 48.3 144.9
145 32.5 14.5 43.5

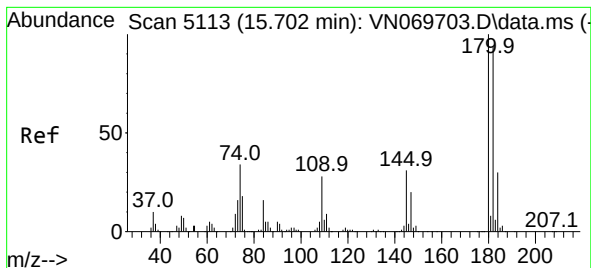


#95
Naphthalene
Concen: 5.332 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070207.D
Acq: 18 Dec 2021 12:07



Tgt Ion:128 Resp: 67190
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.7 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 3.578 ug/l

RT: 15.700 min Scan# 51

Delta R.T. -0.002 min

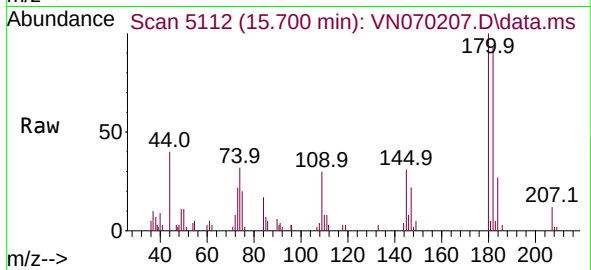
Lab File: VN070207.D

Acq: 18 Dec 2021 12:07

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 18031

Ion Ratio Lower Upper

180 100

182 94.1 47.4 142.2

145 33.8 15.0 45.1

