

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121821\
 Data File : VN070211.D
 Acq On : 18 Dec 2021 14:19
 Operator : JC/MD
 Sample : M5044-02 10X
 Misc : 5.53g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 08:45:16 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)

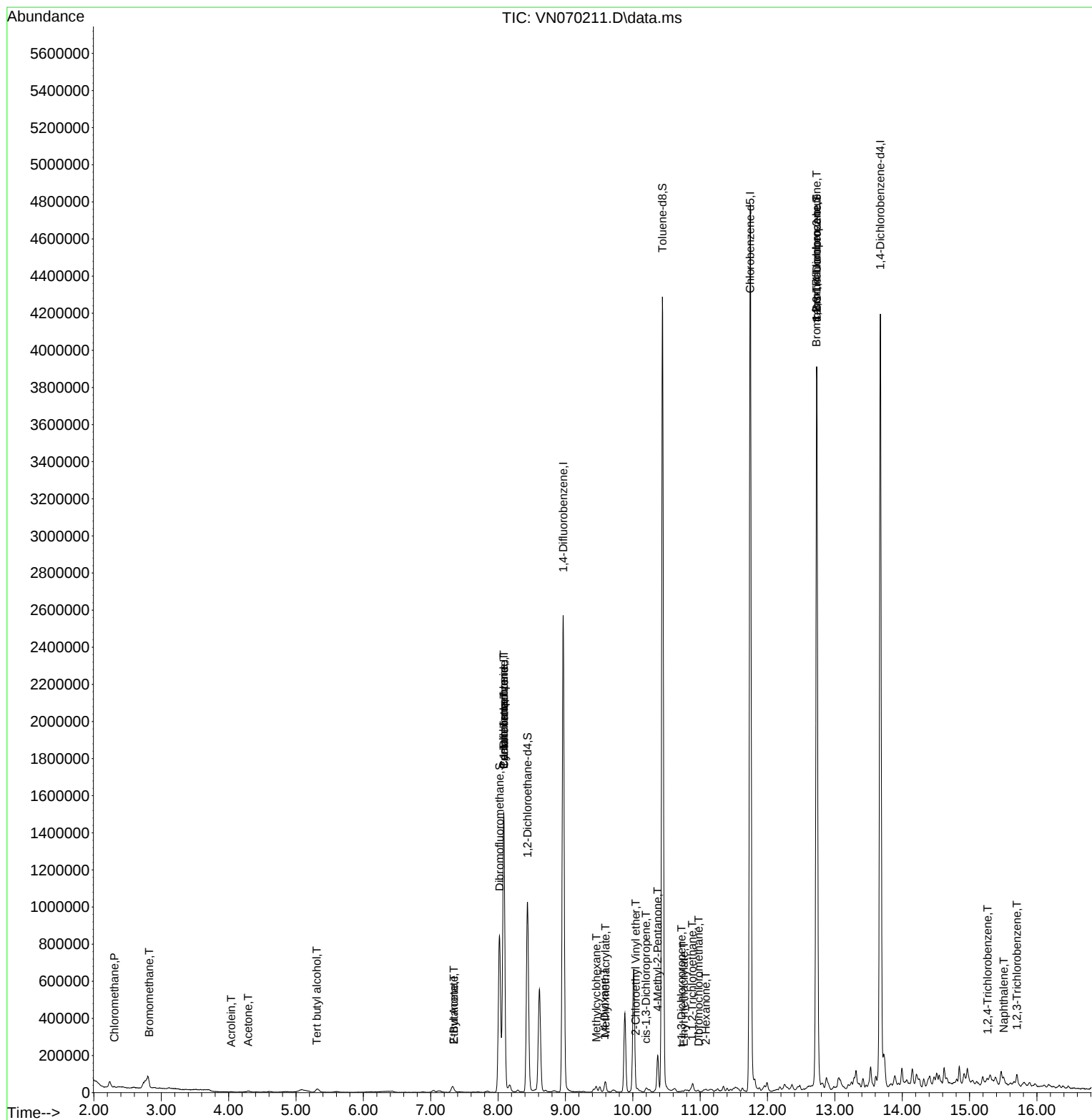
Internal Standards						
1) Pentafluorobenzene	8.086	168	1118607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2159660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2629021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1097212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	880893	51.003	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.000%	
35) Dibromofluoromethane	8.021	113	617989	45.683	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 91.360%	
50) Toluene-d8	10.440	98	2893625	53.272	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.540%	
62) 4-Bromofluorobenzene	12.731	95	1370433	69.642	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 139.280%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3872	0.237	ug/l	94
5) Bromomethane	2.821	94	3120	0.382	ug/l	88
11) Tert butyl alcohol	5.307	59	7521	2.304	ug/l #	74
13) Acrolein	4.038	56	1341	0.482	ug/l #	57
16) Acetone	4.288	43	3638	0.350	ug/l	95
25) 2-Butanone	7.343	43	7359	0.521	ug/l #	75
31) Cyclohexane	8.086	56	30356	1.263	ug/l #	25
36) 1,1-Dichloropropene	8.083	75	94422	4.593	ug/l #	49
37) Ethyl Acetate	7.343	43	7359	0.240	ug/l #	78
38) Carbon Tetrachloride	8.086	117	113827	5.646	ug/l #	16
39) Methylcyclohexane	9.461	83	5417	0.222	ug/l	91
48) Methyl methacrylate	9.593	41	17440	0.825	ug/l #	23
49) 1,4-Dioxane	9.579	88	127	0.335	ug/l #	1
51) 4-Methyl-2-Pentanone	10.368	43	31450	1.071	ug/l #	83
53) t-1,3-Dichloropropene	10.722	75	203	2.802	ug/l	100
54) cis-1,3-Dichloropropene	10.196	75	462	2.015	ug/l #	1
55) 1,1,2-Trichloroethane	10.880	97	4550	0.294	ug/l #	22
56) Ethyl methacrylate	10.759	69	595	2.299	ug/l #	87
58) 2-Chloroethyl Vinyl ether	10.043	63	437	18.440	ug/l #	45
59) 2-Hexanone	11.084	43	15378	0.692	ug/l	78
60) Dibromochloromethane	10.977	129	347	2.396	ug/l #	11
71) Bromoform	12.728	173	2393	2.872	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	741940	23.579	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	741940	74.966	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	6568	3.222	ug/l #	61
95) Naphthalene	15.507	128	39486	4.663	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	7720	2.854	ug/l #	68

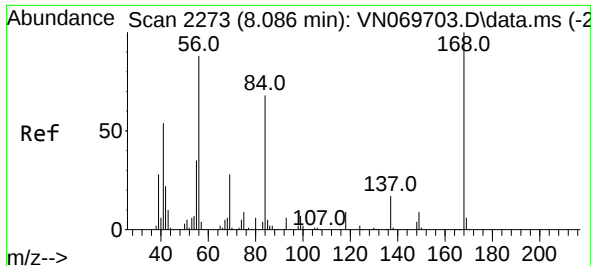
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121821\
Data File : VN070211.D
Acq On : 18 Dec 2021 14:19
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Misc : 5.53g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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MSVOA_N
ClientSampleId :

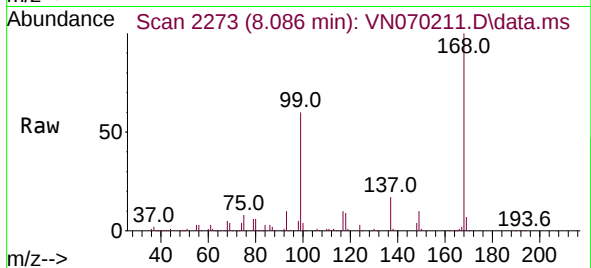
Quant Time: Dec 19 08:45:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



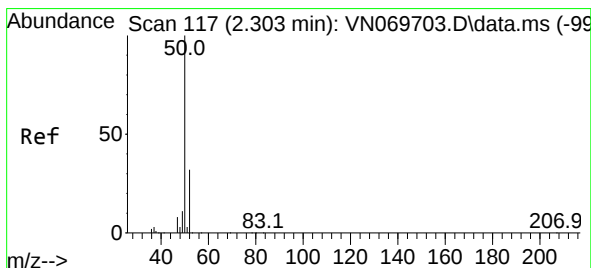
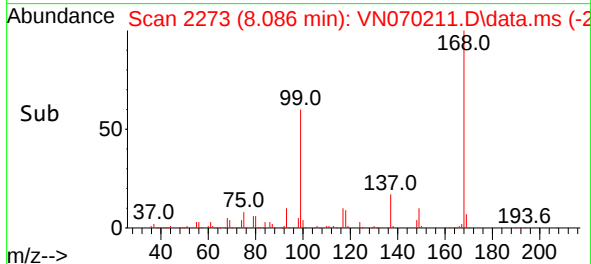
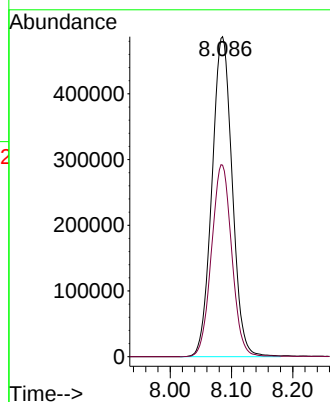


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Instrument :
MSVOA_N
ClientSampleId :

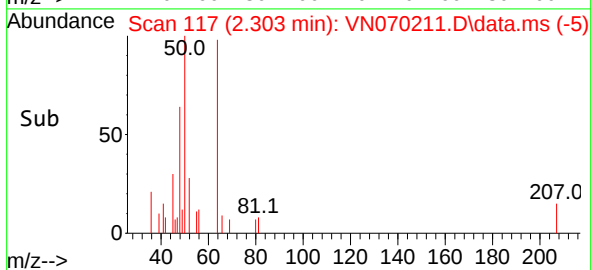
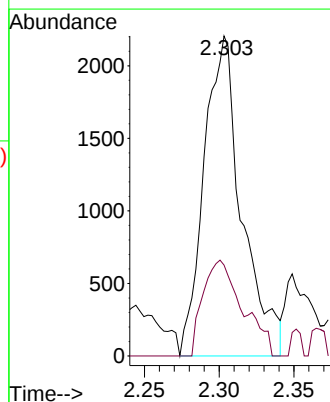
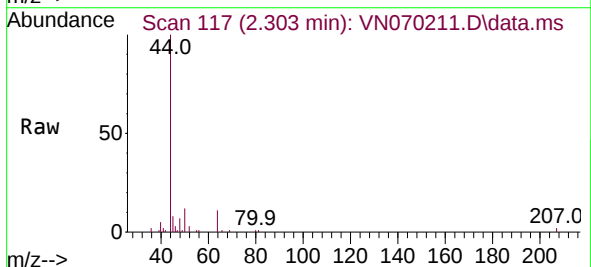


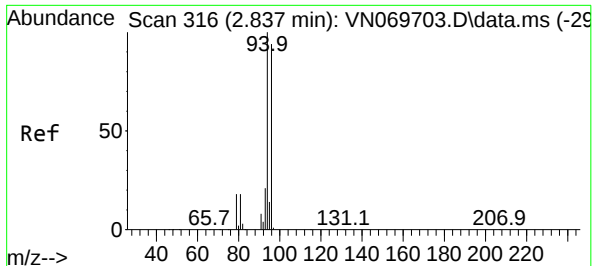
Tgt Ion:168 Resp: 1118607
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#3
Chloromethane
Concen: 0.237 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

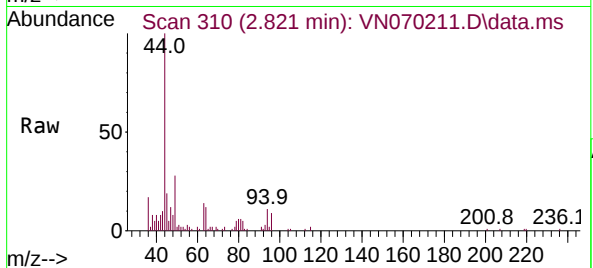
Tgt Ion: 50 Resp: 3872
Ion Ratio Lower Upper
50 100
52 28.4 25.4 38.0



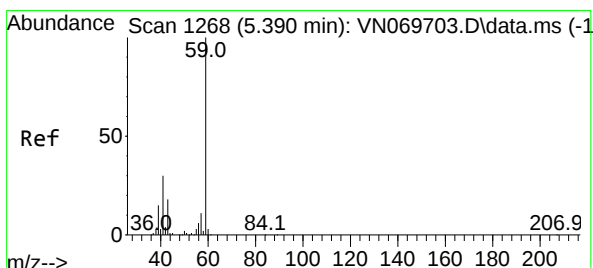
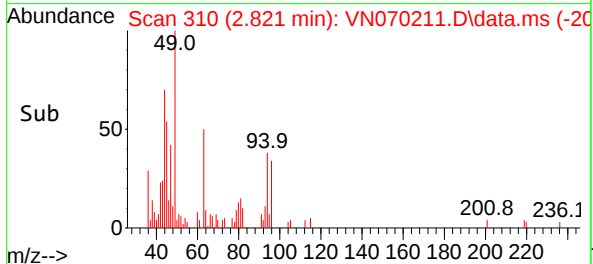
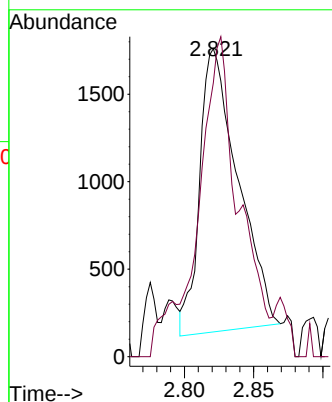


#5
Bromomethane
Concen: 0.382 ug/l
RT: 2.821 min Scan# 316
Delta R.T. -0.016 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Instrument :
MSVOA_N
ClientSampleId :

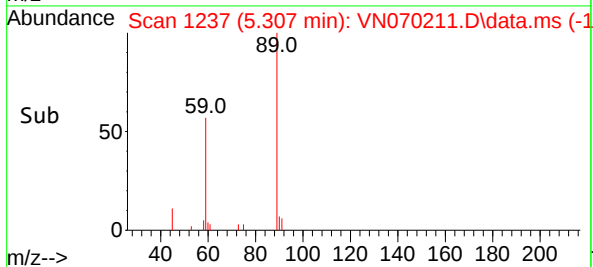
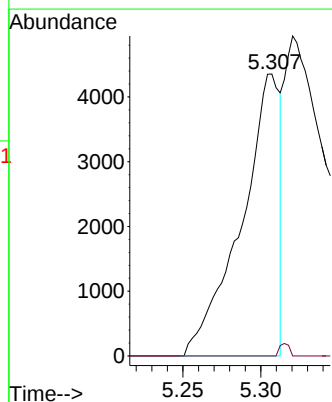
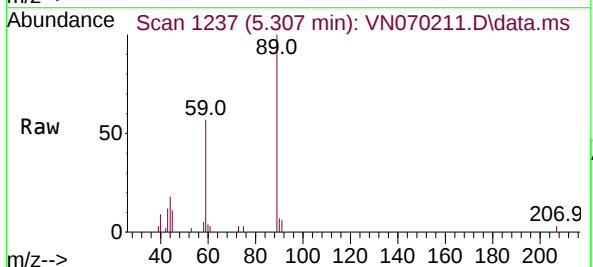


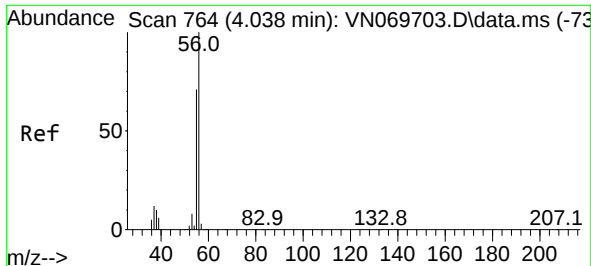
Tgt Ion: 94 Resp: 3120
Ion Ratio Lower Upper
94 100
96 80.5 73.8 110.8



#11
Tert butyl alcohol
Concen: 2.304 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.083 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

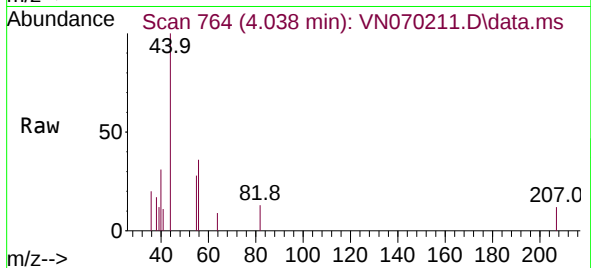
Tgt Ion: 59 Resp: 7521
Ion Ratio Lower Upper
59 100
57 1.1 8.7 13.1#



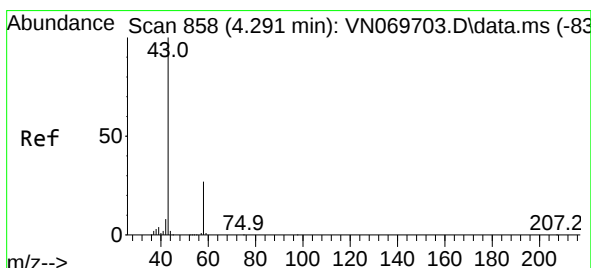
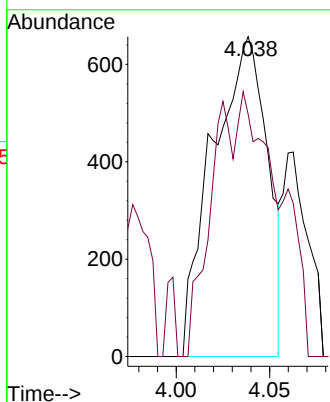
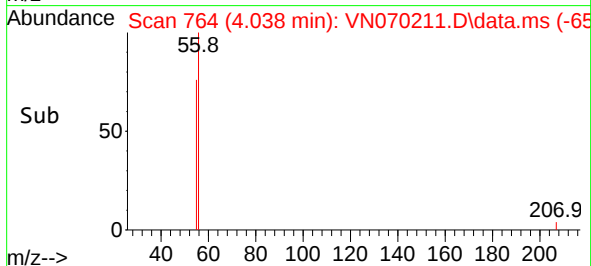


#13
Acrolein
Concen: 0.482 ug/l
RT: 4.038 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

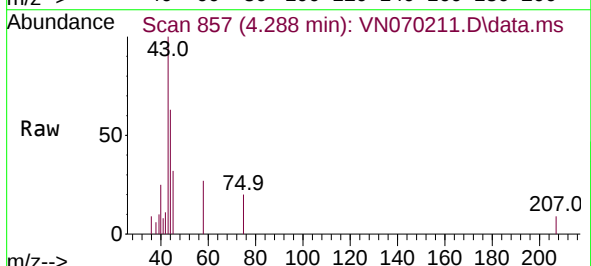
Instrument :
MSVOA_N
ClientSampleId :



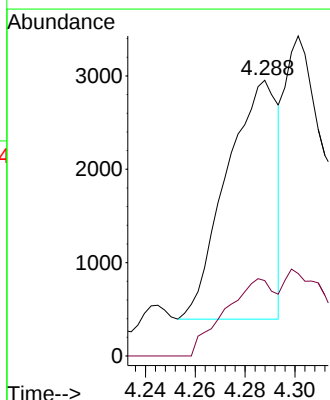
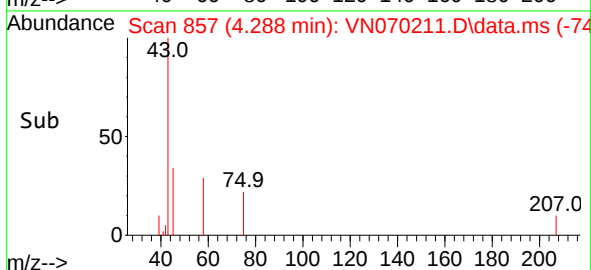
Tgt Ion: 56 Resp: 1341
Ion Ratio Lower Upper
56 100
55 35.6 56.6 85.0#

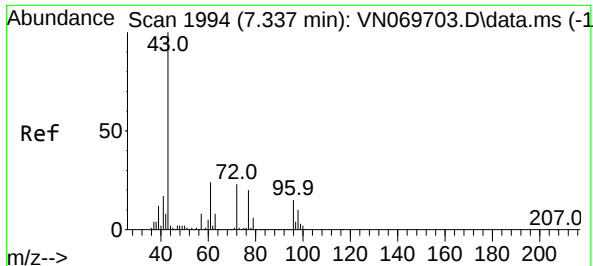


#16
Acetone
Concen: 0.350 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19



Tgt Ion: 43 Resp: 3638
Ion Ratio Lower Upper
43 100
58 31.5 23.1 34.7





#25

2-Butanone

Concen: 0.521 ug/l

RT: 7.343 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

Instrument :

MSVOA_N

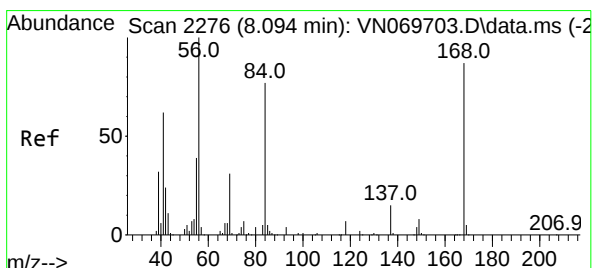
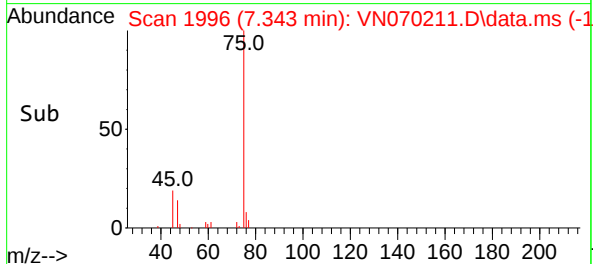
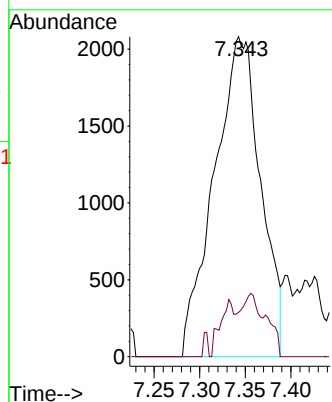
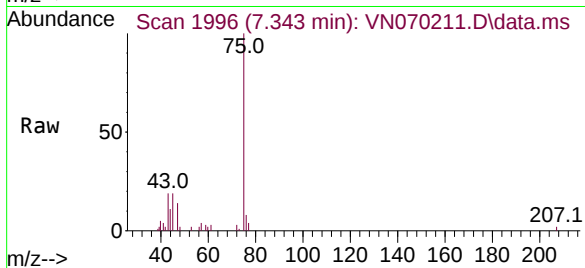
ClientSampleId :

Tgt Ion: 43 Resp: 7359

Ion Ratio Lower Upper

43 100

72 13.9 21.7 32.5#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

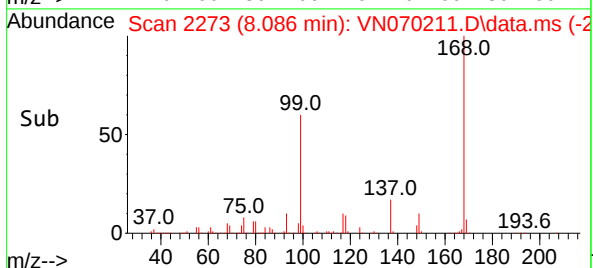
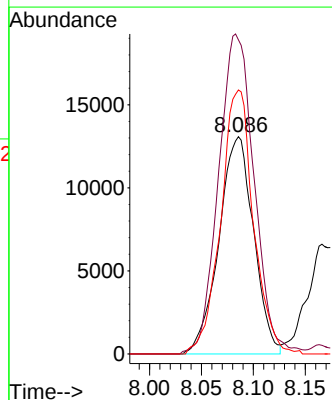
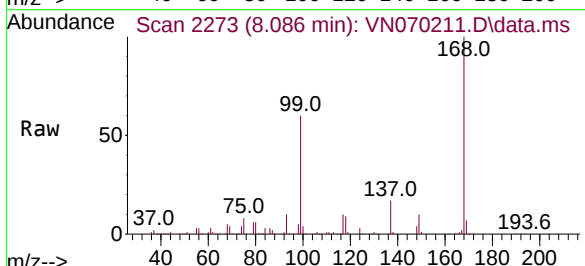
Tgt Ion: 56 Resp: 30356

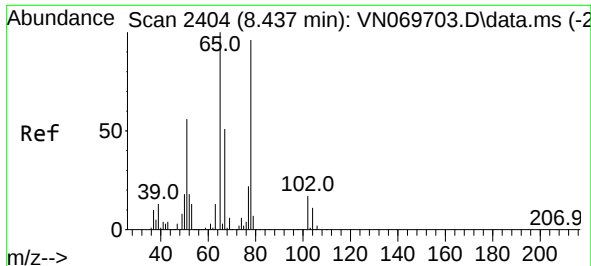
Ion Ratio Lower Upper

56 100

69 144.6 27.1 40.7#

84 121.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.003 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

Instrument :

MSVOA_N

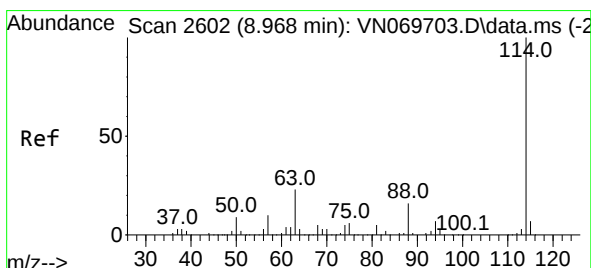
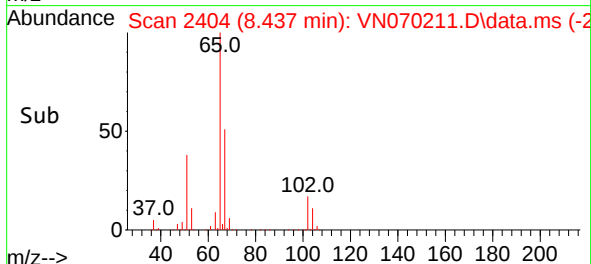
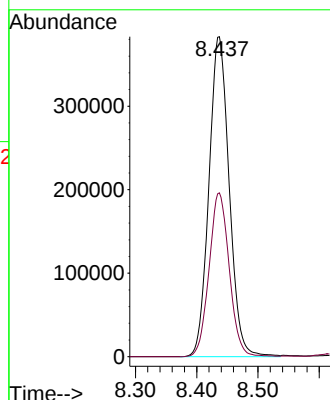
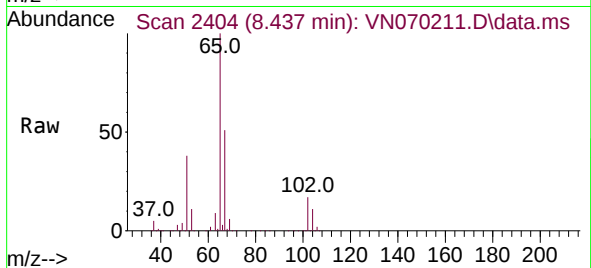
ClientSampleId :

Tgt Ion: 65 Resp: 880893

Ion Ratio Lower Upper

65 100

67 51.0 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: VN070211.D

Acq: 18 Dec 2021 14:19

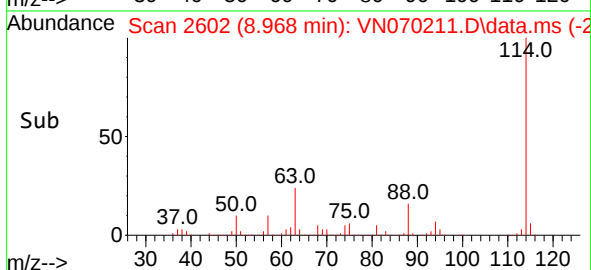
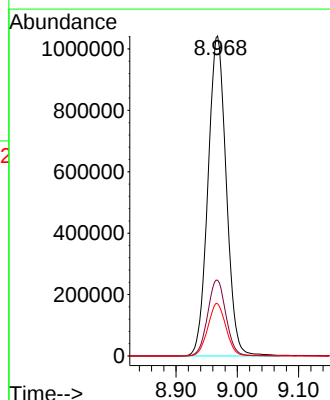
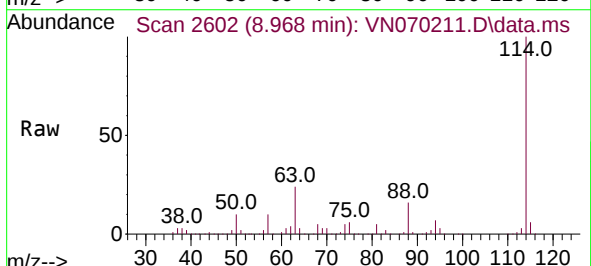
Tgt Ion: 114 Resp: 2159660

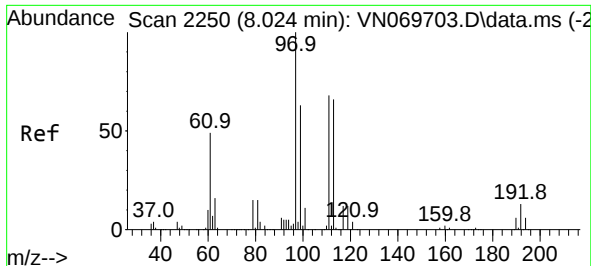
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

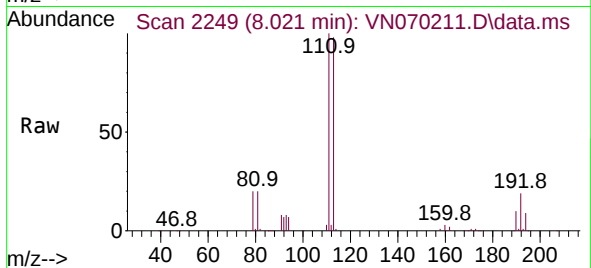
88 16.3 0.0 27.4



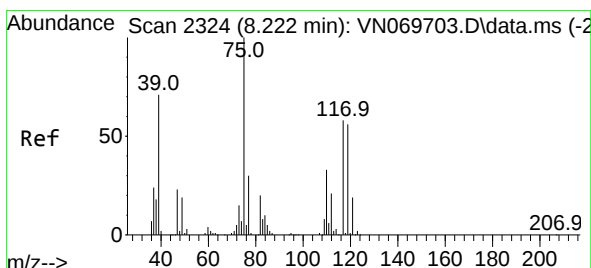
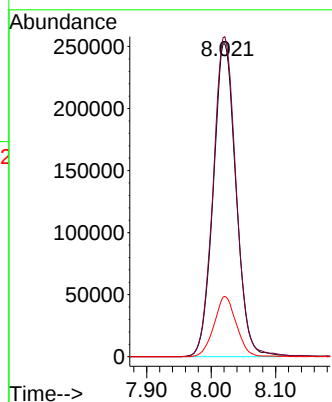
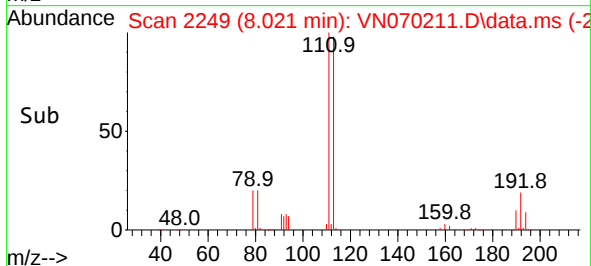


#35
 Dibromofluoromethane
 Concen: 45.683 ug/l
 RT: 8.021 min Scan# 211
 Delta R.T. -0.003 min
 Lab File: VN070211.D
 Acq: 18 Dec 2021 14:19

Instrument :
 MSVOA_N
 ClientSampleId :

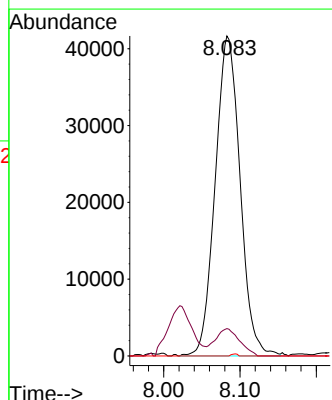
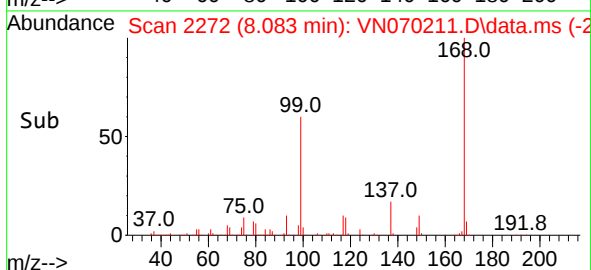
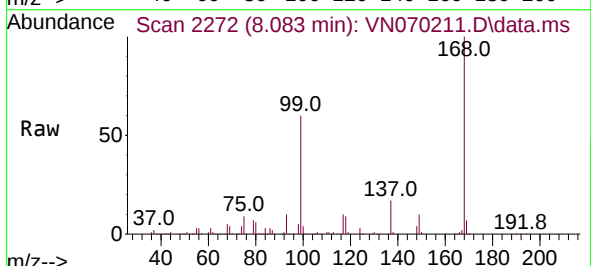


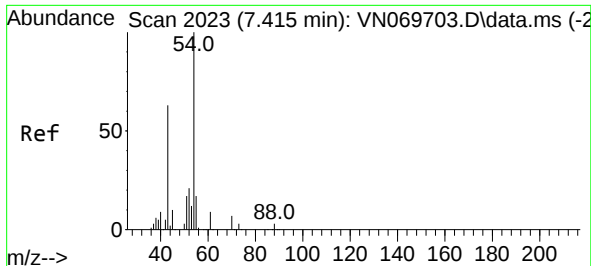
Tgt Ion:113 Resp: 617989
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.2
 192 18.8 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.593 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.139 min
 Lab File: VN070211.D
 Acq: 18 Dec 2021 14:19

Tgt Ion: 75 Resp: 94422
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.2 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.240 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.072 min

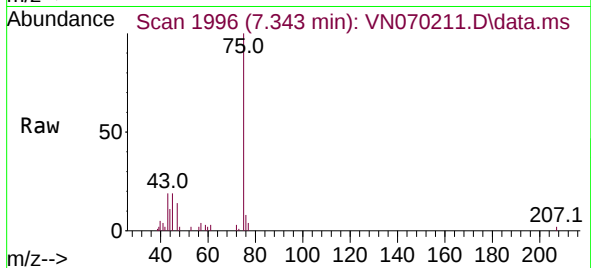
Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

Instrument :

MSVOA_N

ClientSampleId :



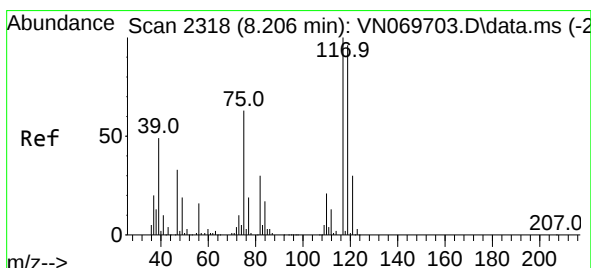
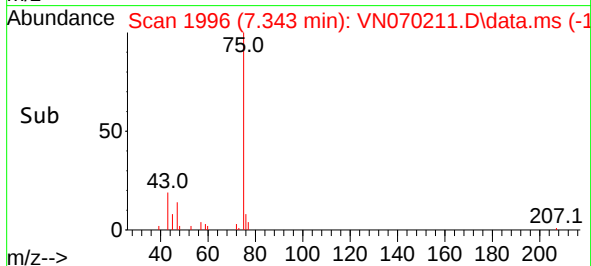
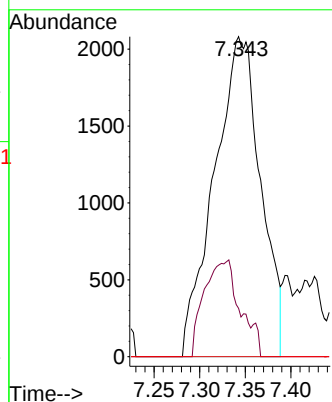
Tgt Ion: 43 Resp: 7359

Ion Ratio Lower Upper

43 100

61 22.2 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.646 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.121 min

Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

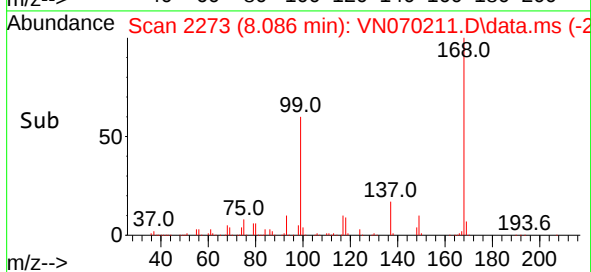
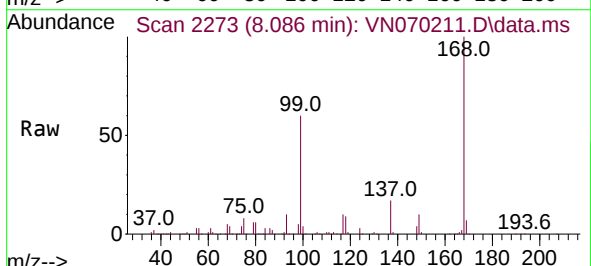
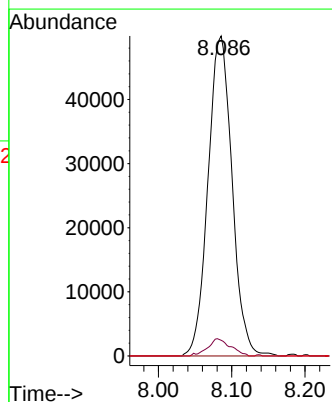
Tgt Ion: 117 Resp: 113827

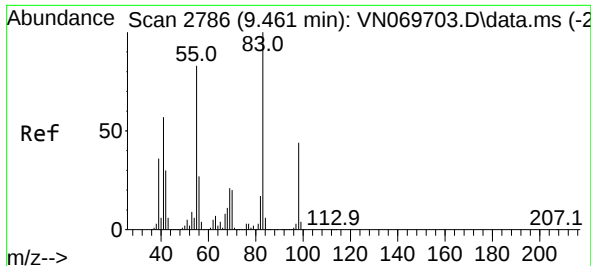
Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

121 0.0 24.2 36.2#

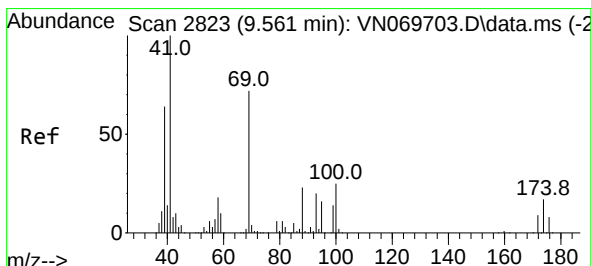
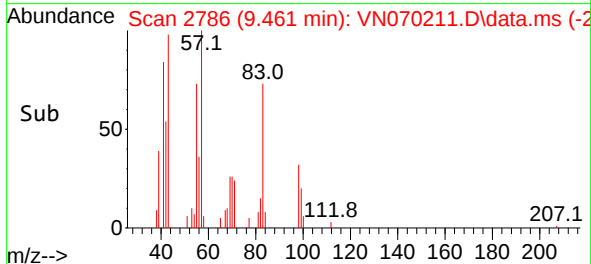
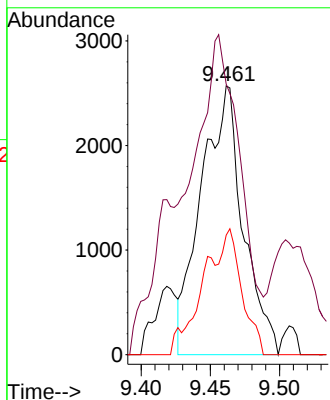
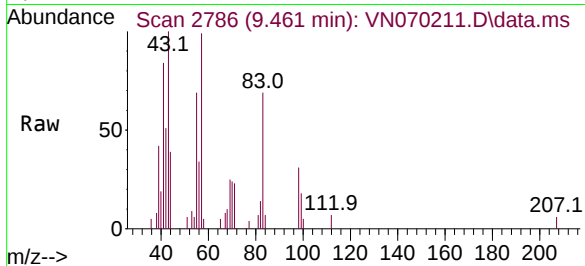




#39
Methylcyclohexane
Concen: 0.222 ug/l
RT: 9.461 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

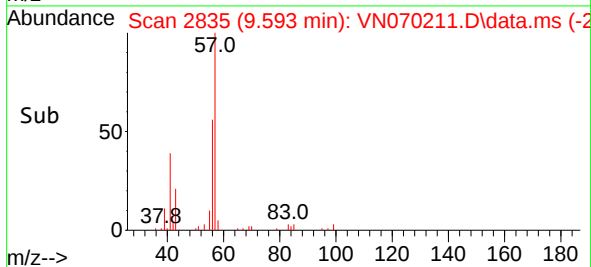
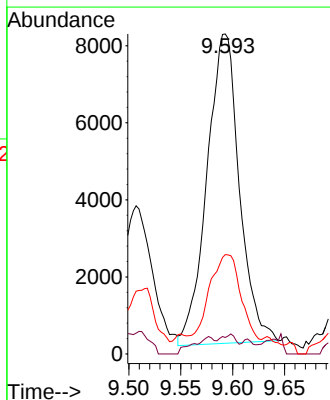
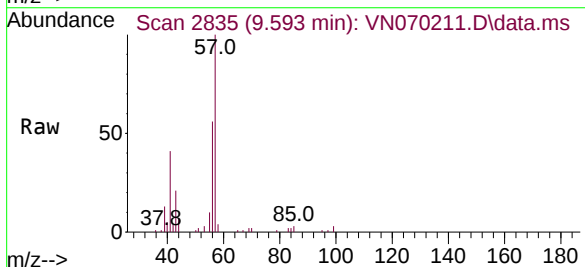
Instrument :
MSVOA_N
ClientSampleId :

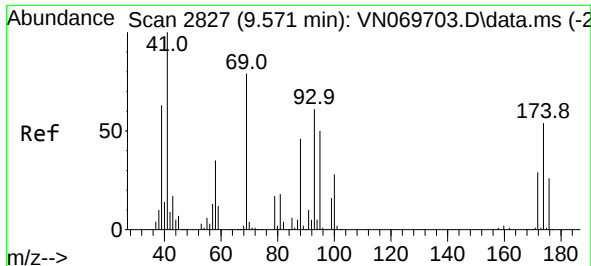
Tgt Ion: 83 Resp: 5417
Ion Ratio Lower Upper
83 100
55 62.5 58.1 87.1
98 44.5 38.4 57.6



#48
Methyl methacrylate
Concen: 0.825 ug/l
RT: 9.593 min Scan# 2835
Delta R.T. 0.032 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion: 41 Resp: 17440
Ion Ratio Lower Upper
41 100
69 3.1 72.4 108.6#
39 25.4 58.4 87.6#

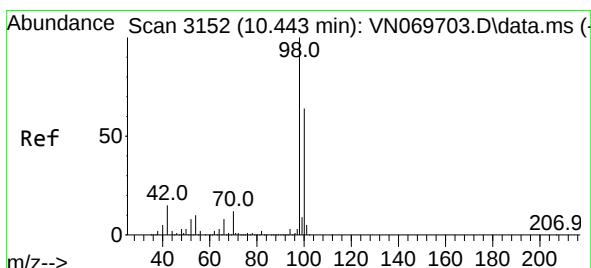
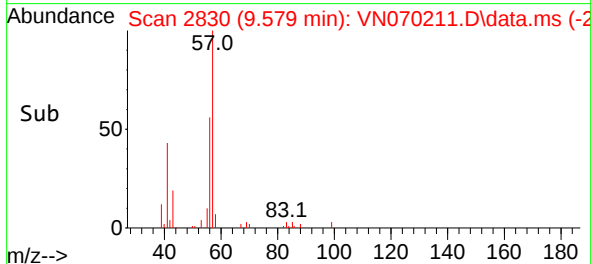
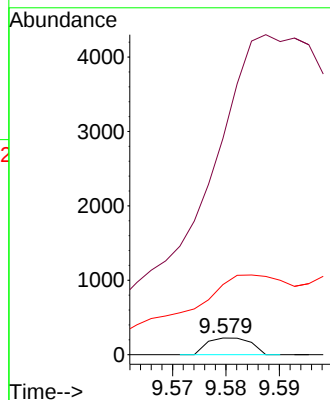
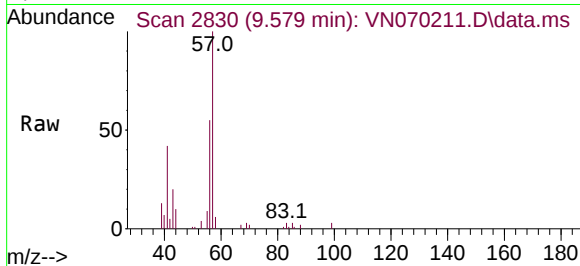




#49
1,4-Dioxane
Concen: 0.335 ug/l
RT: 9.579 min Scan# 21
Delta R.T. 0.008 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

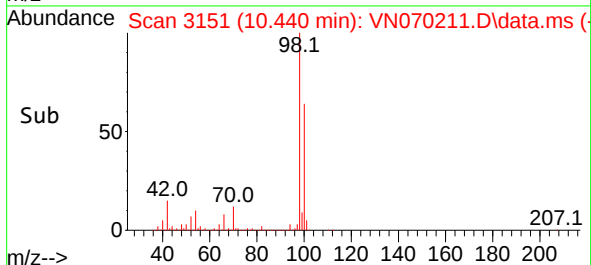
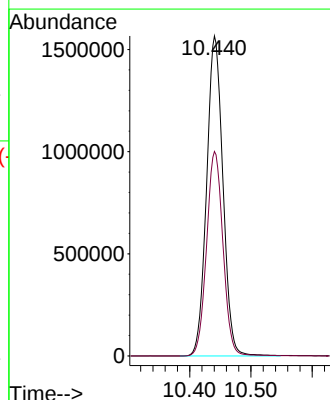
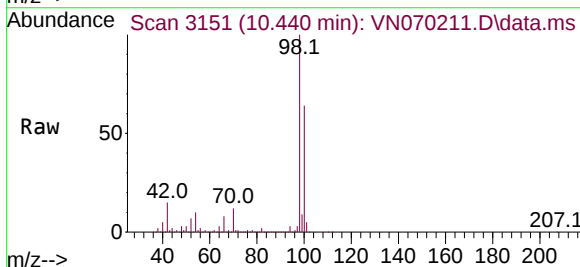
Instrument :
MSVOA_N
ClientSampleId :

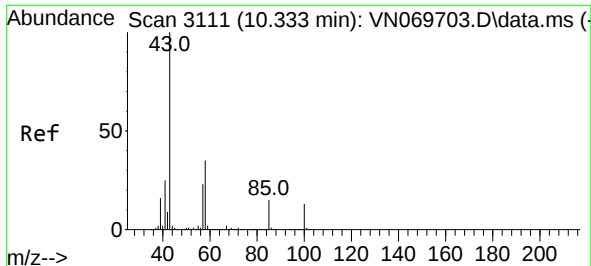
Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 6219.7 23.4 35.2#
58 1327.6 50.6 75.8#



#50
Toluene-d8
Concen: 53.272 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion: 98 Resp: 2893625
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

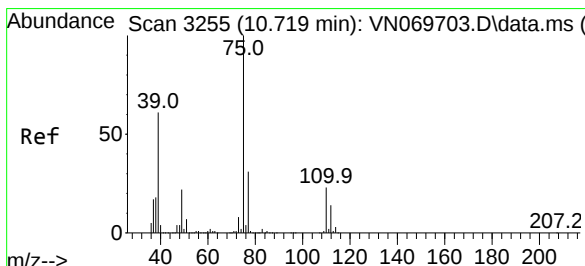
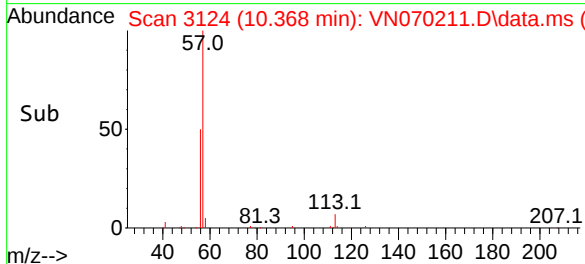
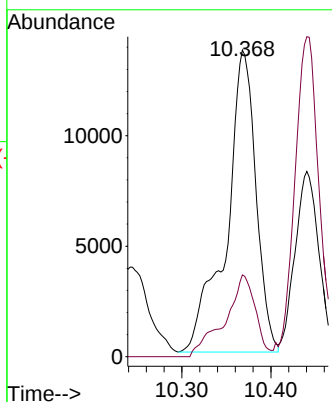
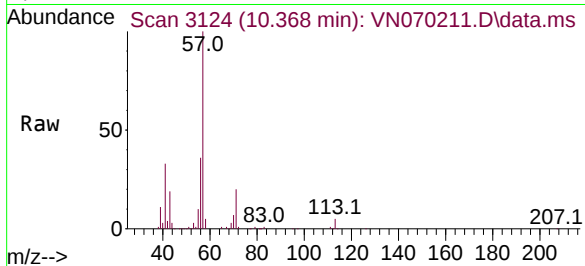




#51
4-Methyl-2-Pentanone
Concen: 1.071 ug/l
RT: 10.368 min Scan# 3111
Delta R.T. 0.035 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

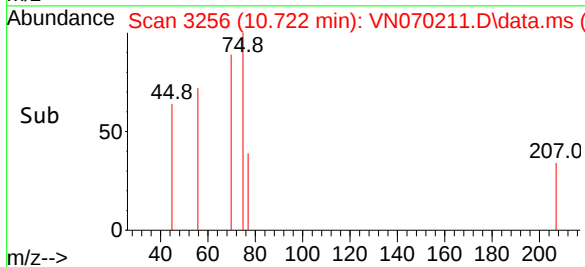
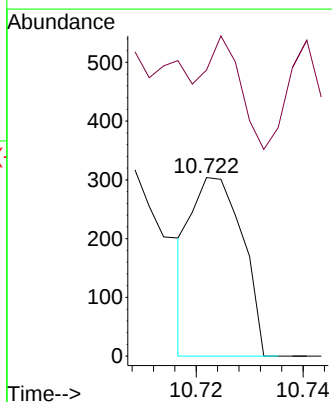
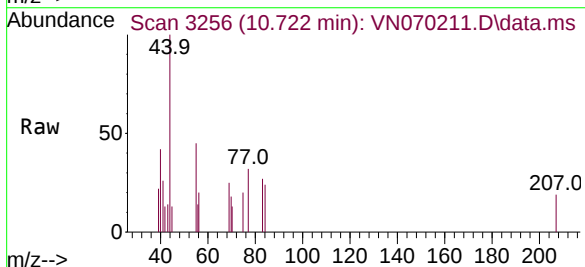
Instrument :
MSVOA_N
ClientSampleId :

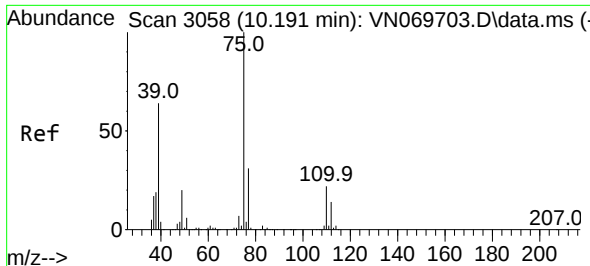
Tgt Ion: 43 Resp: 31450
Ion Ratio Lower Upper
43 100
58 27.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.802 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion: 75 Resp: 203
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4

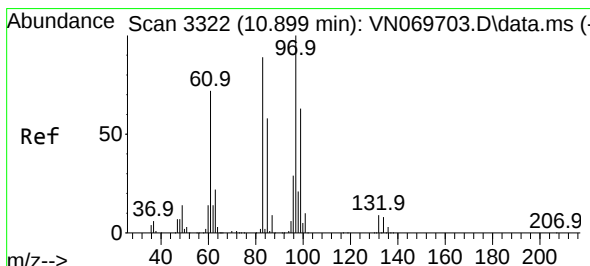
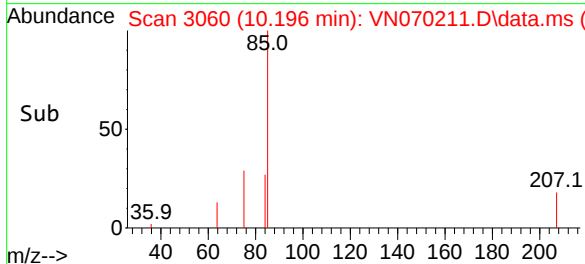
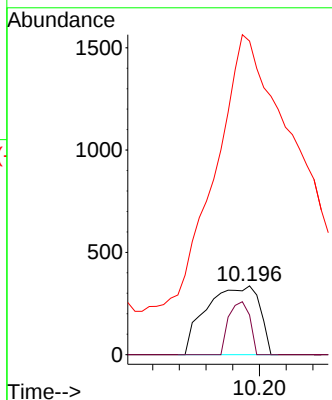
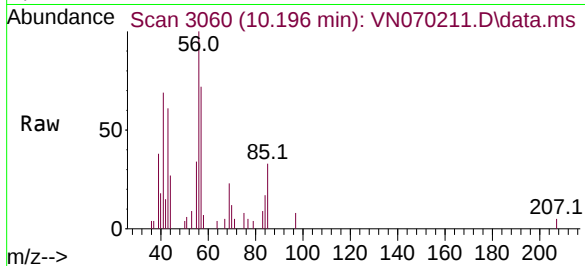




#54
 cis-1,3-Dichloropropene
 Concen: 2.015 ug/l
 RT: 10.196 min Scan# 3058
 Delta R.T. 0.005 min
 Lab File: VN070211.D
 Acq: 18 Dec 2021 14:19

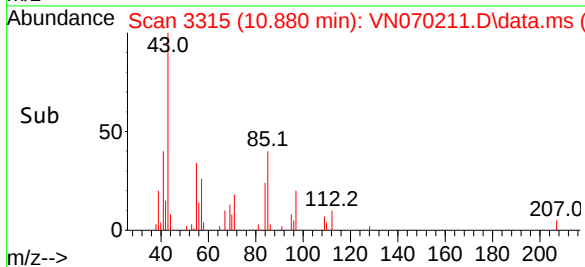
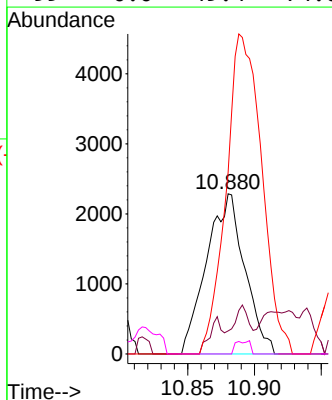
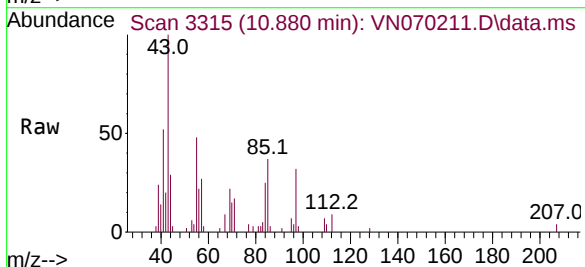
Instrument :
 MSVOA_N
 ClientSampleId :

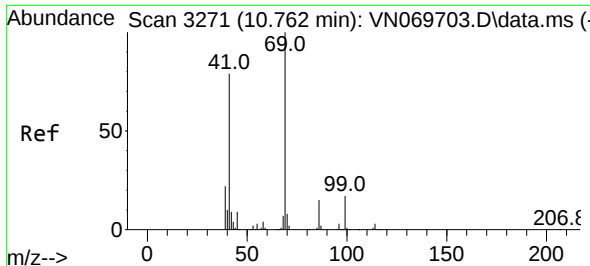
Tgt Ion: 75 Resp: 462
 Ion Ratio Lower Upper
 75 100
 77 57.7 26.4 39.6#
 39 369.3 42.5 63.7#



#55
 1,1,2-Trichloroethane
 Concen: 0.294 ug/l
 RT: 10.880 min Scan# 3315
 Delta R.T. -0.019 min
 Lab File: VN070211.D
 Acq: 18 Dec 2021 14:19

Tgt Ion: 97 Resp: 4550
 Ion Ratio Lower Upper
 97 100
 83 14.4 67.8 101.6#
 85 113.4 45.4 68.2#
 99 0.0 49.4 74.0#

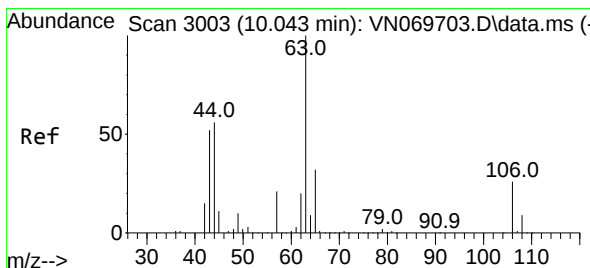
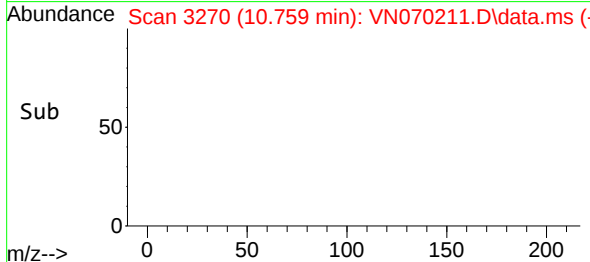
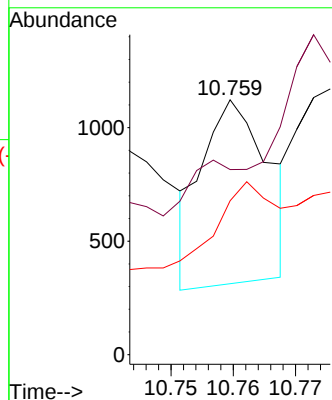
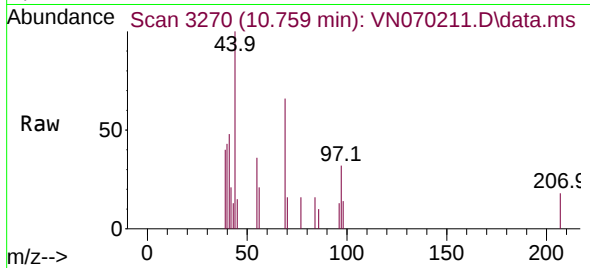




#56
Ethyl methacrylate
Concen: 2.299 ug/l
RT: 10.759 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

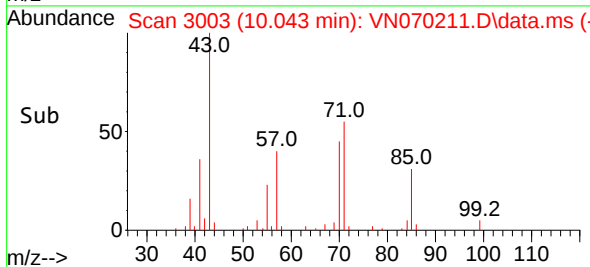
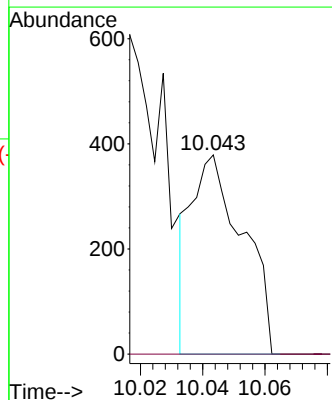
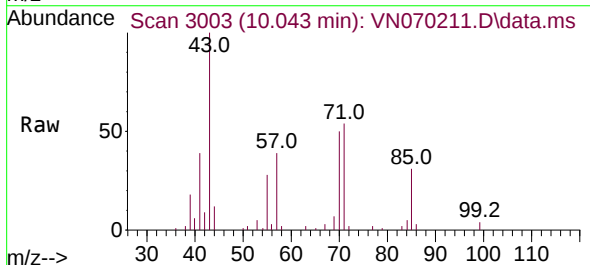
Instrument :
MSVOA_N
ClientSampleId :

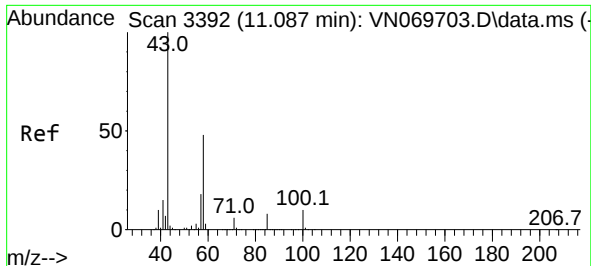
Tgt Ion: 69 Resp: 595
Ion Ratio Lower Upper
69 100
41 49.2 51.4 77.0#
39 40.7 34.6 52.0



#58
2-Chloroethyl Vinyl ether
Concen: 18.440 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion: 63 Resp: 437
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

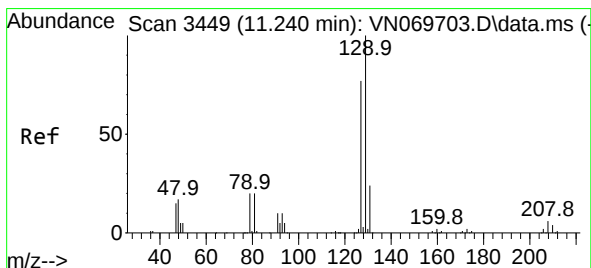
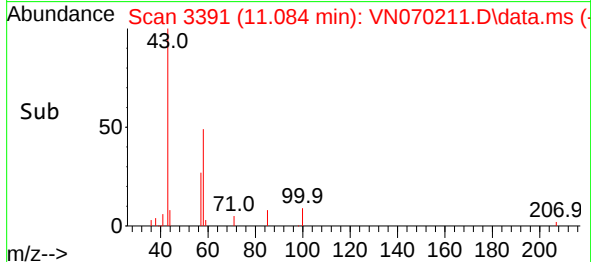
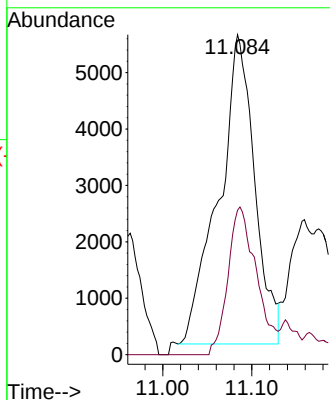
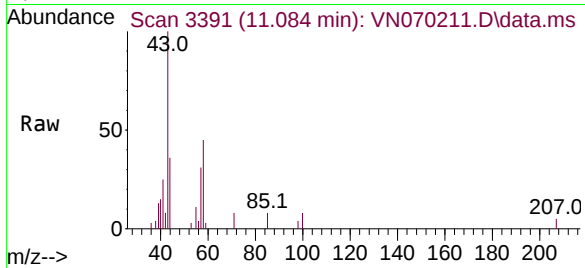




#59
2-Hexanone
Concen: 0.692 ug/l
RT: 11.084 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

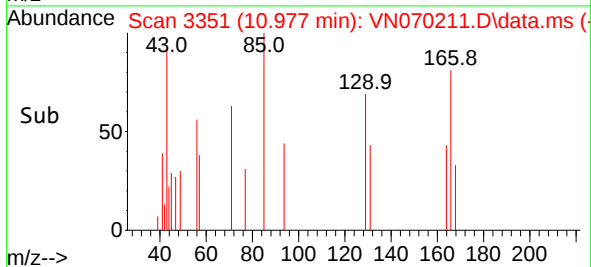
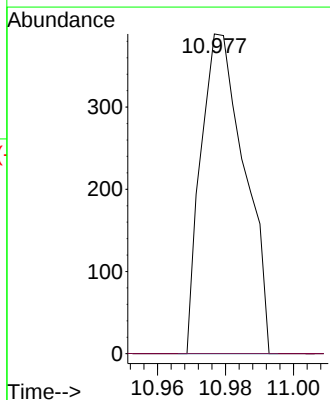
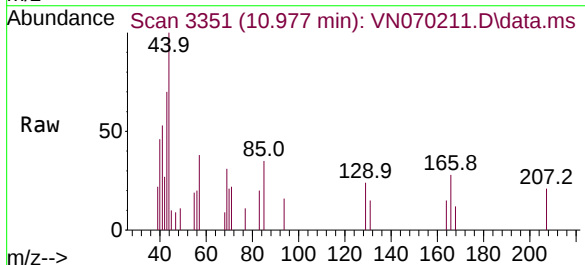
Instrument :
MSVOA_N
ClientSampleId :

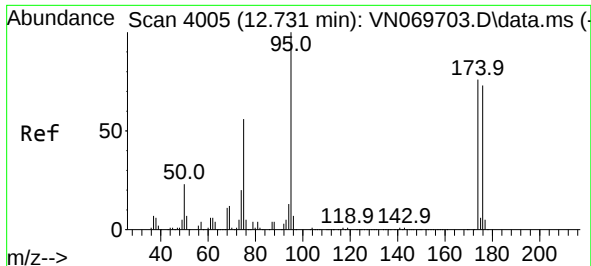
Tgt Ion: 43 Resp: 15378
Ion Ratio Lower Upper
43 100
58 38.0 26.9 80.7



#60
Dibromochloromethane
Concen: 2.396 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion: 129 Resp: 347
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

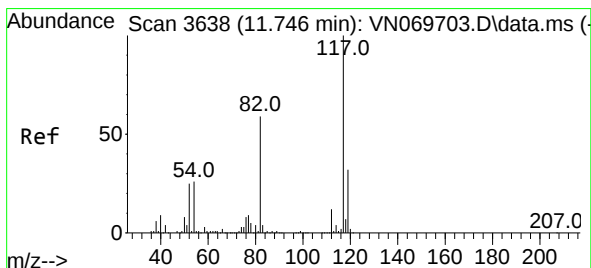
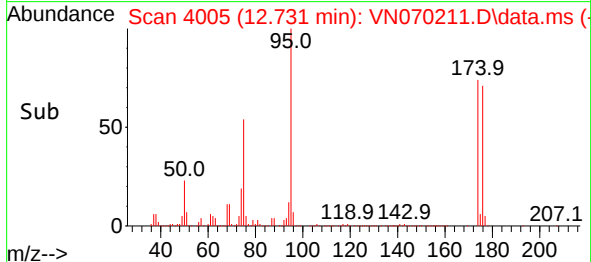
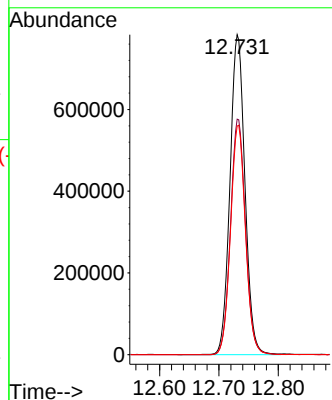
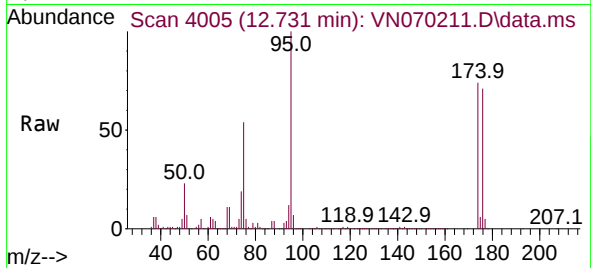




#62
4-Bromofluorobenzene
Concen: 69.642 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

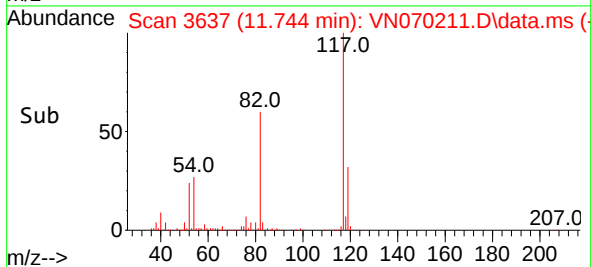
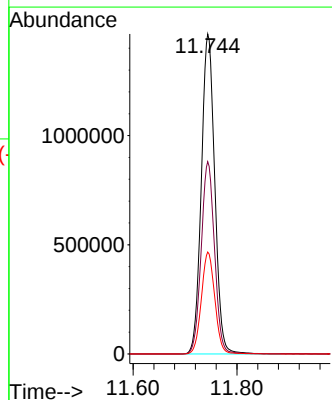
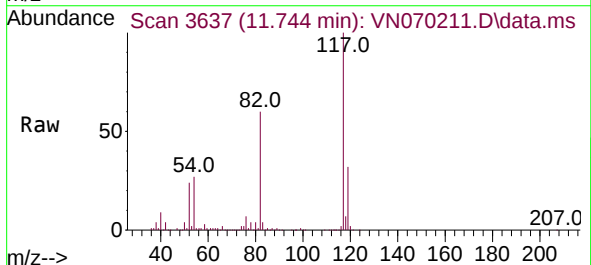
Instrument :
MSVOA_N
ClientSampleId :

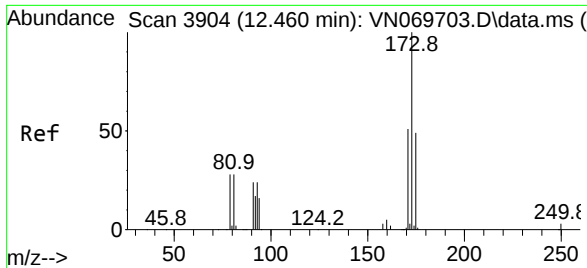
Tgt Ion: 95 Resp: 1370433
Ion Ratio Lower Upper
95 100
174 73.8 0.0 187.2
176 71.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion: 117 Resp: 2629021
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.9 25.4 38.2





#71

Bromoform

Concen: 2.872 ug/l

RT: 12.728 min Scan# 4004

Delta R.T. 0.268 min

Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

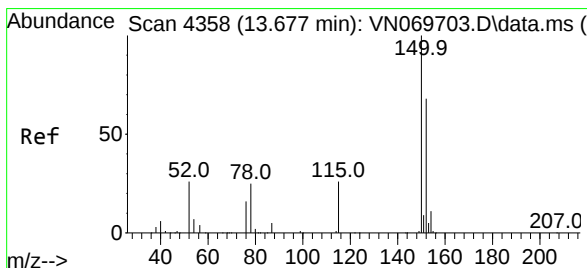
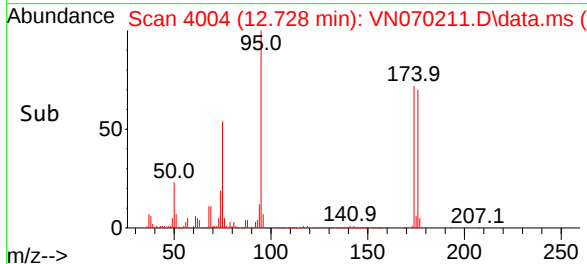
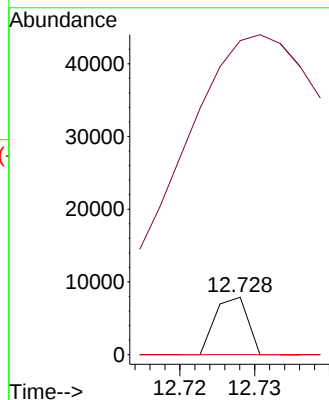
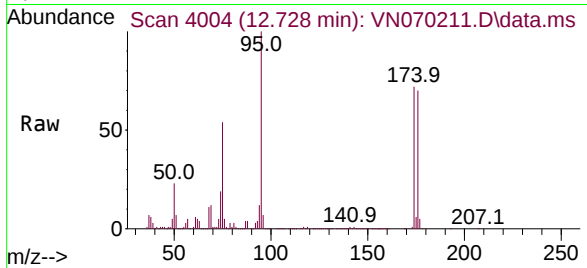
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 2393

Ion	Ratio	Lower	Upper
173	100		
175	3033.3	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

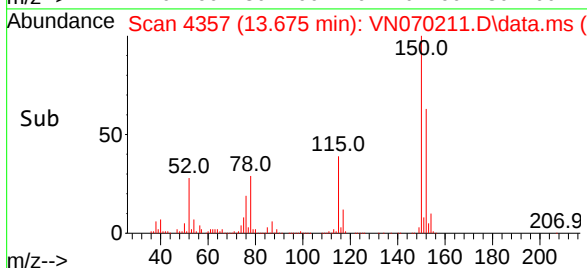
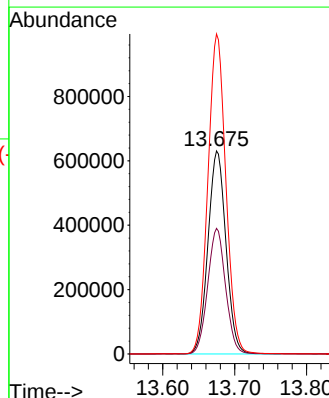
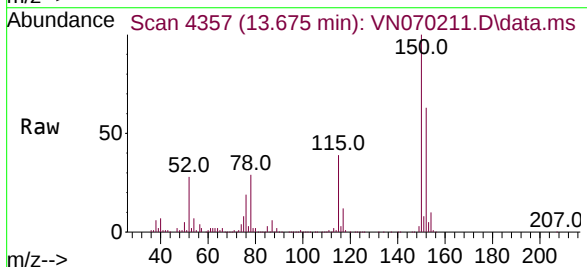
Delta R.T. -0.003 min

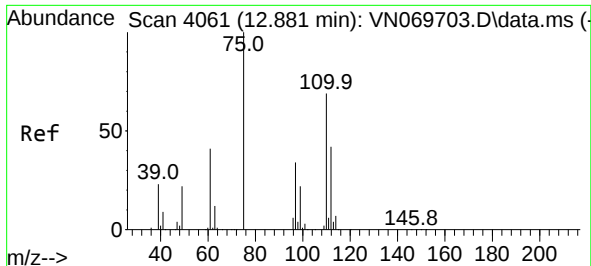
Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

Tgt Ion:152 Resp: 1097212

Ion	Ratio	Lower	Upper
152	100		
115	61.3	27.5	82.5
150	157.2	0.0	344.4

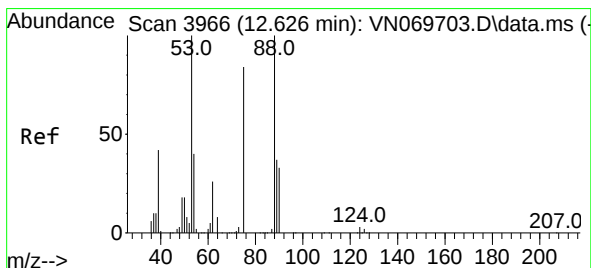
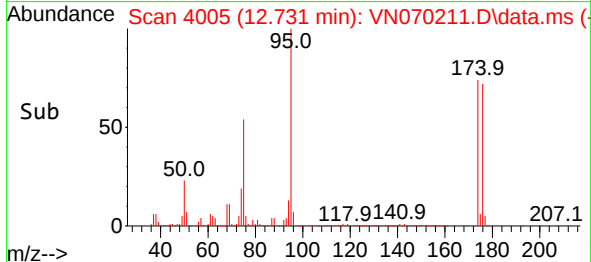
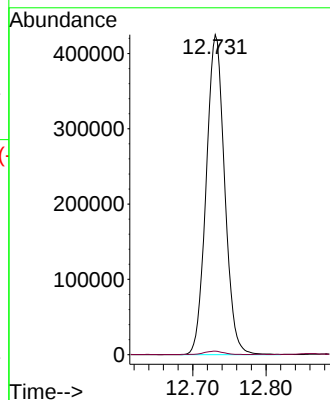
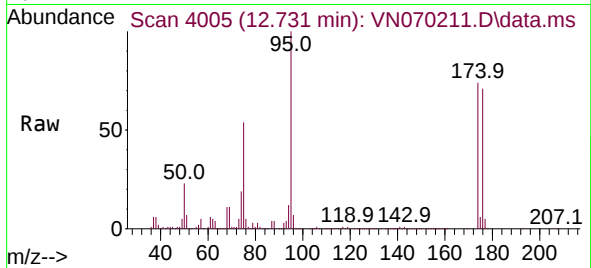




#76
1,2,3-Trichloropropane
Concen: 23.579 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

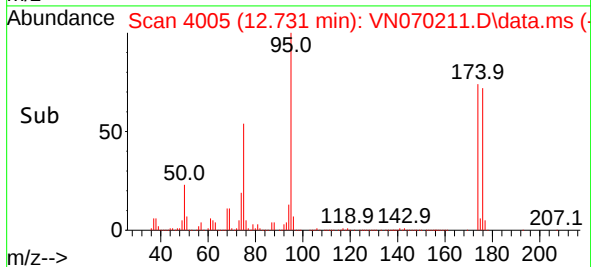
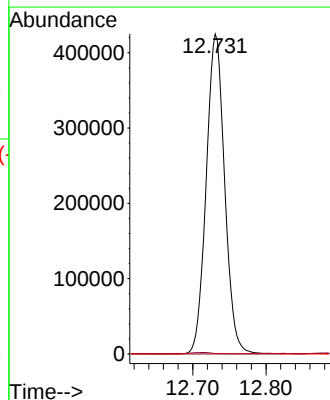
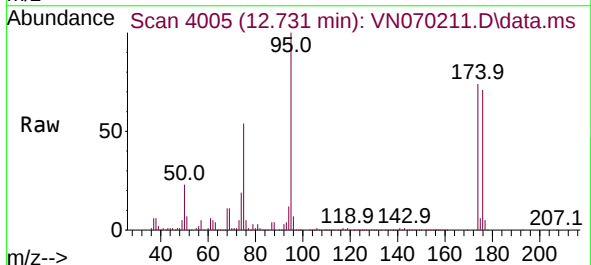
Instrument :
MSVOA_N
ClientSampleId :

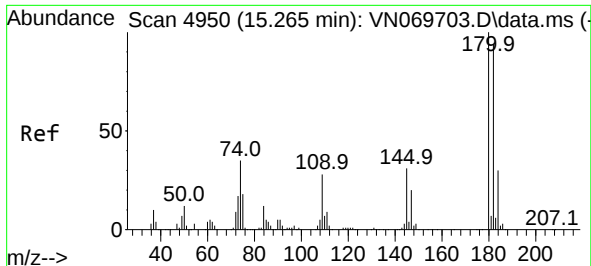
Tgt Ion: 75 Resp: 741940
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.966 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion: 75 Resp: 741940
Ion Ratio Lower Upper
75 100
53 0.5 90.5 135.7#
89 0.0 38.2 57.4#

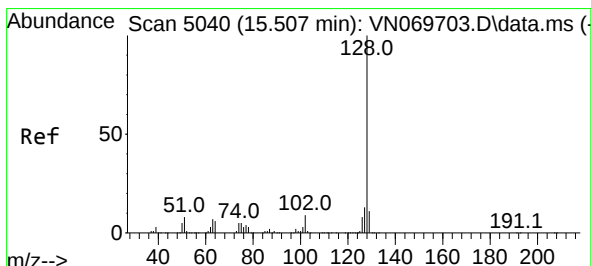
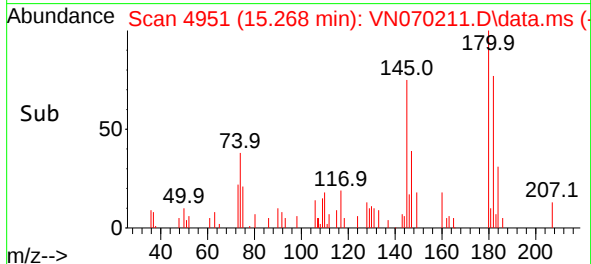
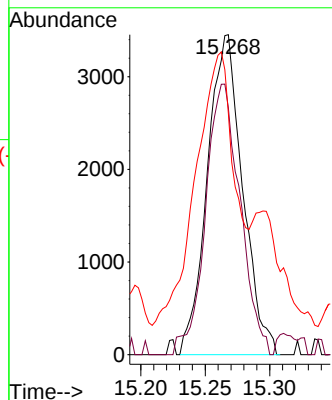
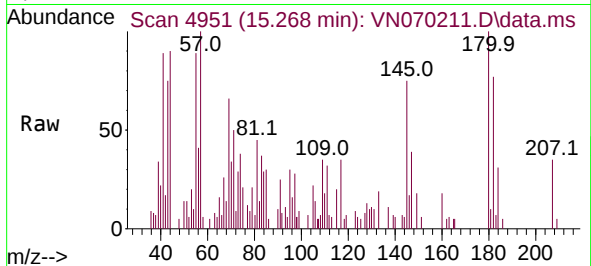




#93
1,2,4-Trichlorobenzene
Concen: 3.222 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

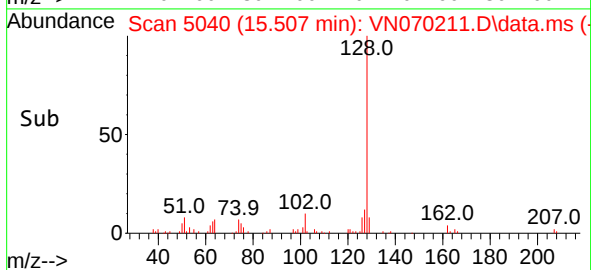
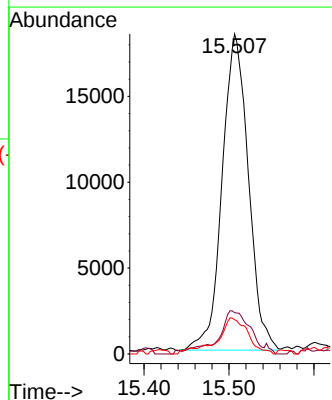
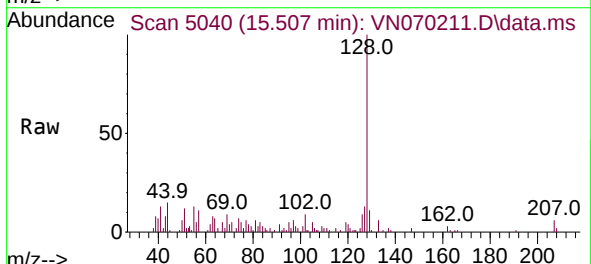
Instrument :
MSVOA_N
ClientSampleId :

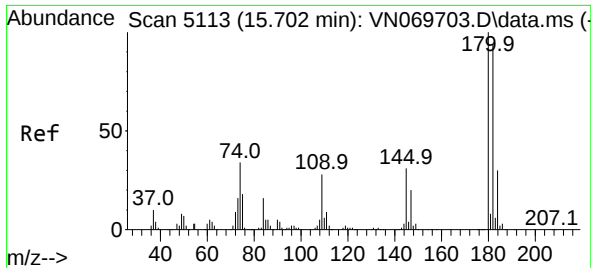
Tgt Ion:180 Resp: 6568
Ion Ratio Lower Upper
180 100
182 83.0 48.3 144.9
145 95.3 14.5 43.5#



#95
Naphthalene
Concen: 4.663 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070211.D
Acq: 18 Dec 2021 14:19

Tgt Ion:128 Resp: 39486
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 11.3 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.854 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

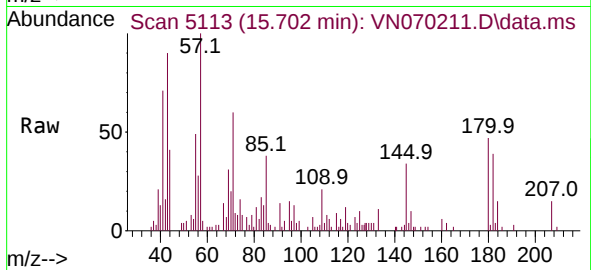
Lab File: VN070211.D

Acq: 18 Dec 2021 14:19

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	7720
Ion Ratio	Lower	Upper	
180	100		
182	86.5	47.4	142.2
145	88.6	15.0	45.1#

