

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
 Data File : VN070734.D
 Acq On : 21 Jan 2022 16:25
 Operator : JC/MD
 Sample : PB142170ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 05:29:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

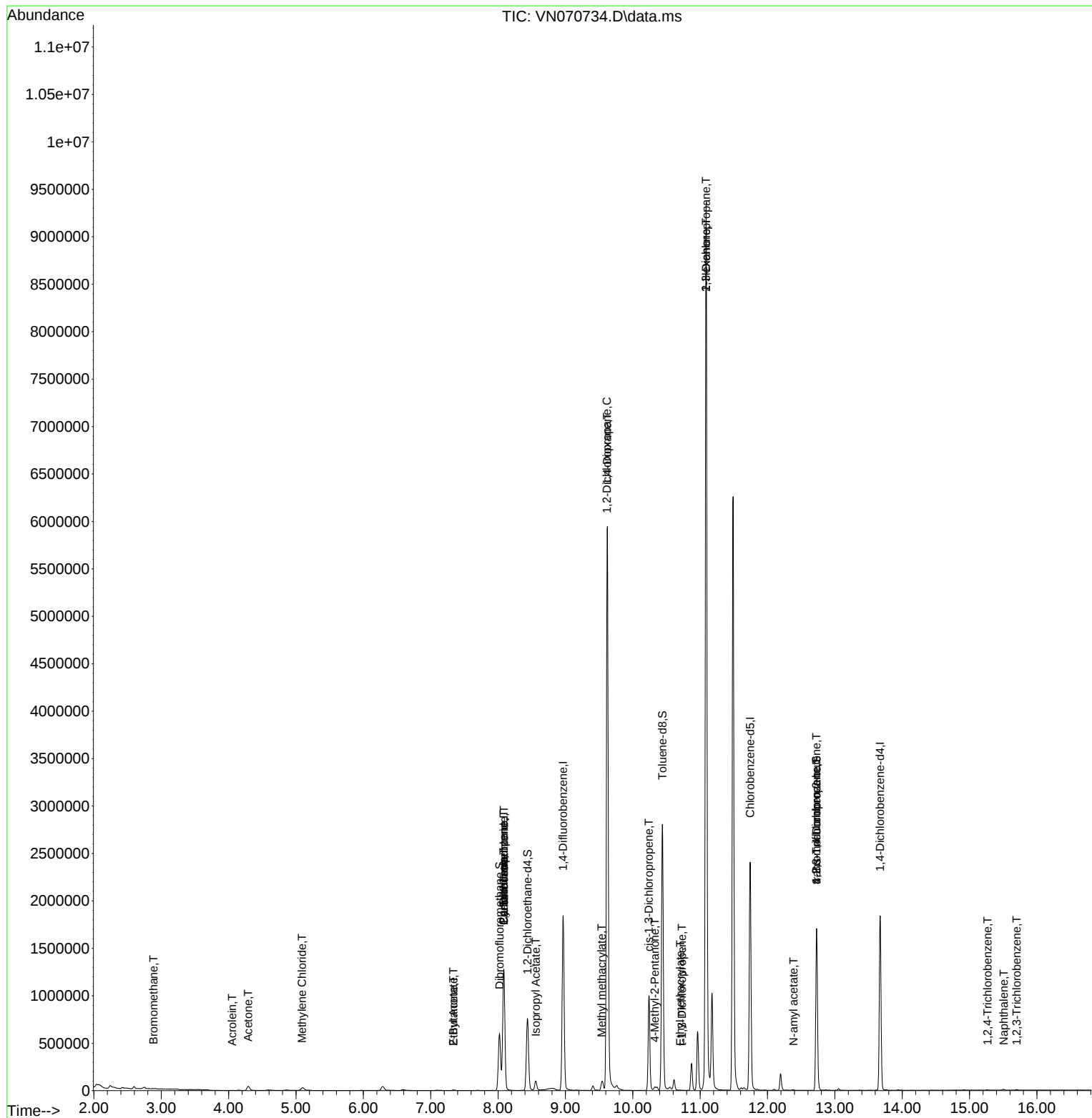
Internal Standards						
1) Pentafluorobenzene	8.086	168	971887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1566668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1405975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	502064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	656149	47.108	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.220%
35) Dibromofluoromethane	8.021	113	441647	45.446	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.900%
50) Toluene-d8	10.441	98	1963305	47.956	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.920%
62) 4-Bromofluorobenzene	12.728	95	635462	43.559	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.120%
Target Compounds						
					Qvalue	
5) Bromomethane	2.885	94	2787	0.343	ug/l	92
13) Acrolein	4.052	56	798	0.221	ug/l	100
16) Acetone	4.291	43	81191	8.398	ug/l	97
20) Methylene Chloride	5.090	84	10523	0.826	ug/l	87
25) 2-Butanone	7.335	43	11987	0.985	ug/l #	87
30) Chloroform	8.067	83	94	Below Cal	#	18
31) Cyclohexane	8.083	56	22381	0.913	ug/l #	6
36) 1,1-Dichloropropene	8.083	75	79220	4.842	ug/l #	49
37) Ethyl Acetate	7.335	43	11987	0.552	ug/l #	68
38) Carbon Tetrachloride	8.086	117	98380	6.760	ug/l #	16
43) Isopropyl Acetate	8.560	43	118128	3.561	ug/l #	89
45) 1,2-Dichloropropane	9.617	63	6865	0.498	ug/l #	44
48) Methyl methacrylate	9.539	41	28777	1.821	ug/l #	8
49) 1,4-Dioxane	9.620	88	898	3.783	ug/l #	1
51) 4-Methyl-2-Pentanone	10.325	43	16938	0.800	ug/l #	75
53) t-1,3-Dichloropropene	10.730	75	163	2.412	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	168332	8.562	ug/l #	62
56) Ethyl methacrylate	10.703	69	795	2.335	ug/l #	24
57) 1,3-Dichloropropane	11.087	76	95682	4.537	ug/l #	43
59) 2-Hexanone	11.087	43	1612121	104.831	ug/l #	49
74) N-amyl acetate	12.388	43	4872	0.251	ug/l #	63
76) 1,2,3-Trichloropropane	12.728	75	333663	25.057	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	333663	74.650	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	2111	3.637	ug/l	78
95) Naphthalene	15.507	128	9027	5.261	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.700	180	2144	3.442	ug/l	85

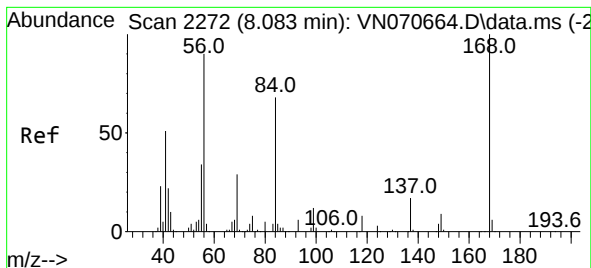
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
Data File : VN070734.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 22 05:29:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

Instrument :

MSVOA_N

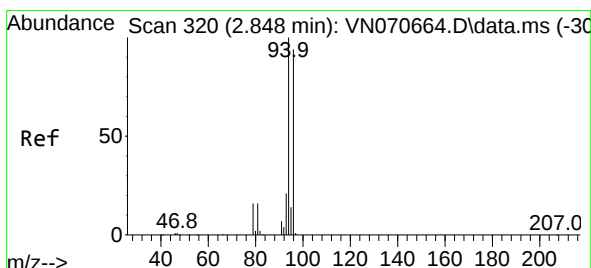
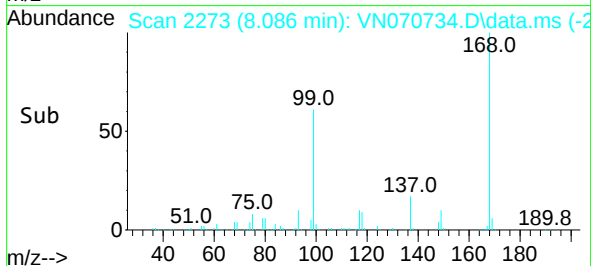
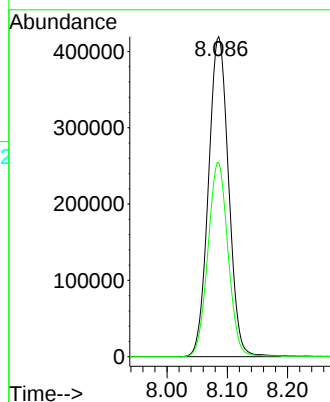
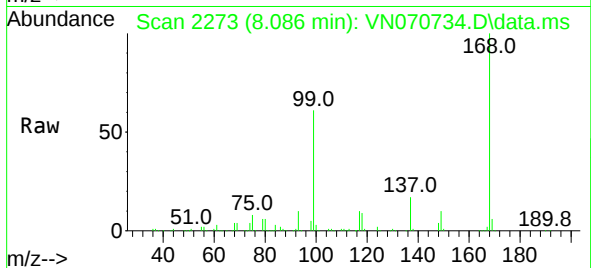
ClientSampleId :

Tgt Ion:168 Resp: 971887

Ion Ratio Lower Upper

168 100

99 60.6 41.3 61.9



#5

Bromomethane

Concen: 0.343 ug/l

RT: 2.885 min Scan# 334

Delta R.T. 0.037 min

Lab File: VN070734.D

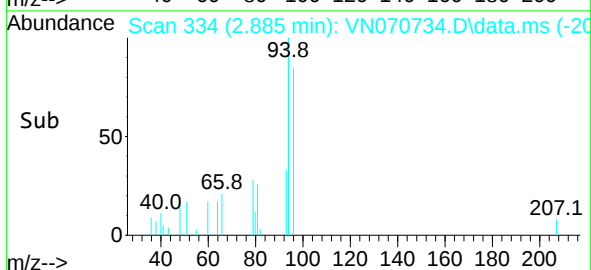
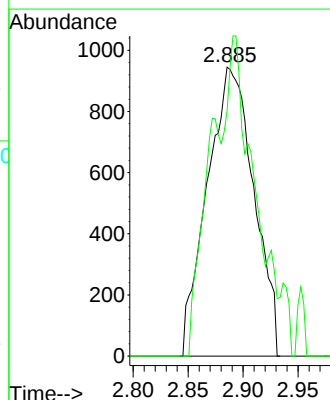
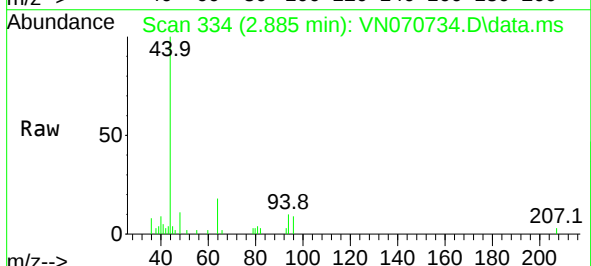
Acq: 21 Jan 2022 16:25

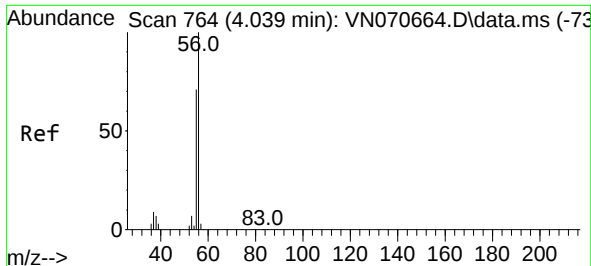
Tgt Ion: 94 Resp: 2787

Ion Ratio Lower Upper

94 100

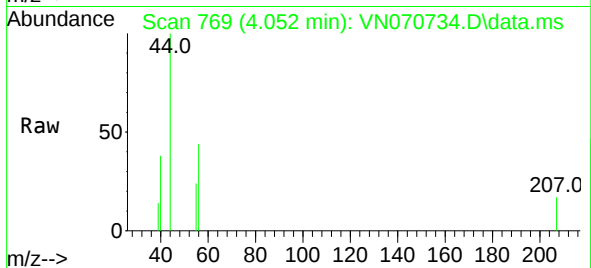
96 84.9 73.8 110.8



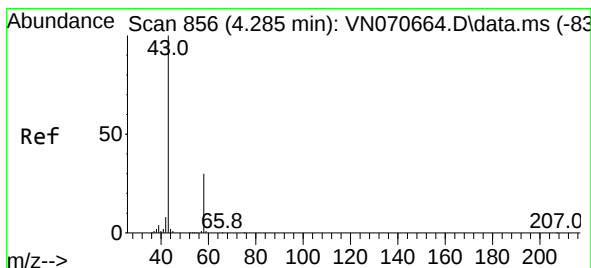
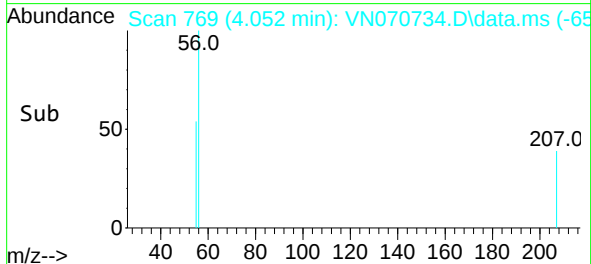
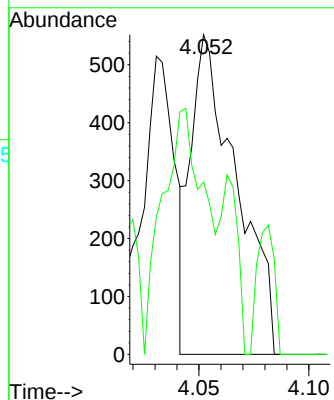


#13
Acrolein
Concen: 0.221 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Instrument :
MSVOA_N
ClientSampleId :

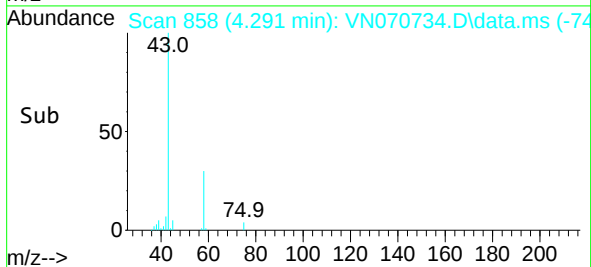
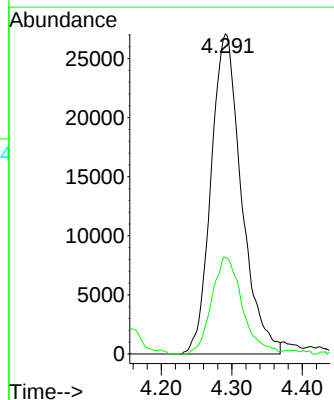
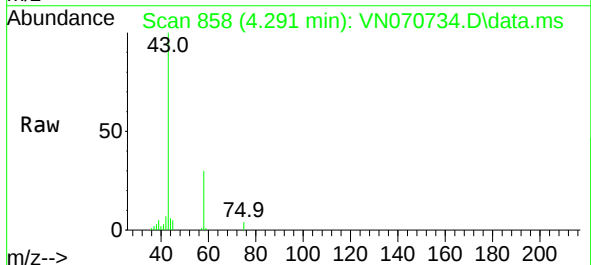


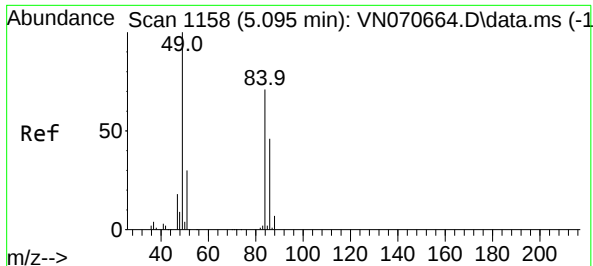
Tgt Ion: 56 Resp: 798
Ion Ratio Lower Upper
56 100
55 70.7 56.6 85.0



#16
Acetone
Concen: 8.398 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

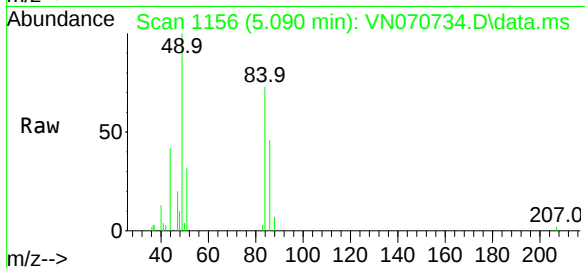
Tgt Ion: 43 Resp: 81191
Ion Ratio Lower Upper
43 100
58 30.3 23.1 34.7



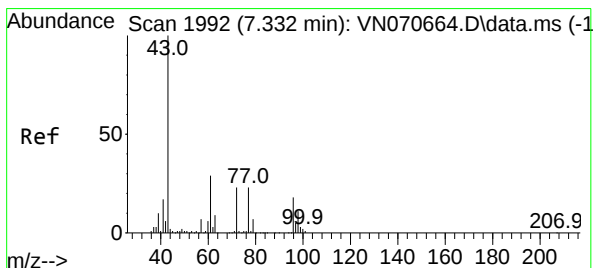
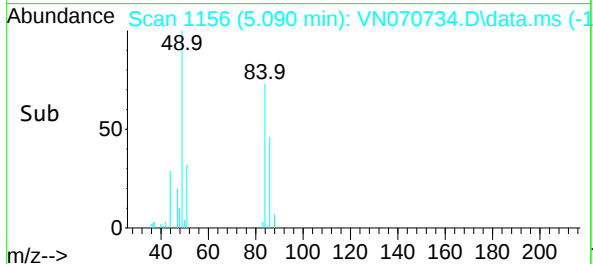
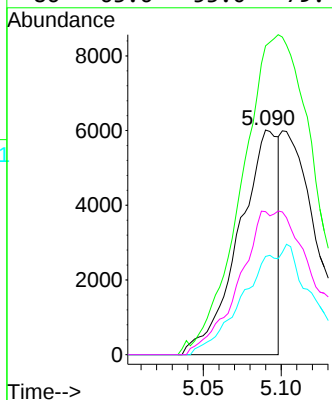


#20
Methylene Chloride
Concen: 0.826 ug/l
RT: 5.090 min Scan# 1158
Delta R.T. -0.005 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Instrument :
MSVOA_N
ClientSampleId :

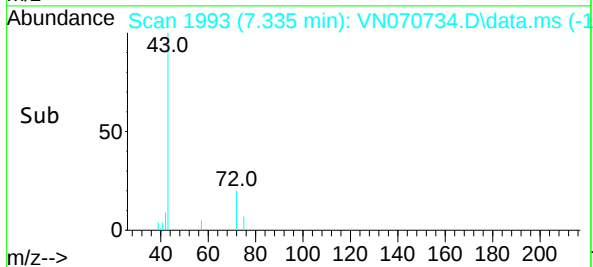
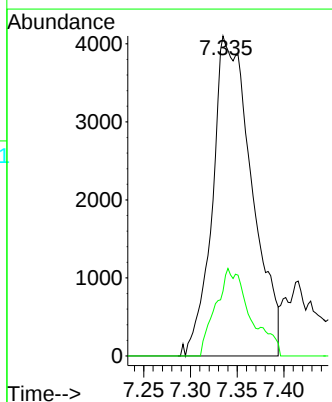
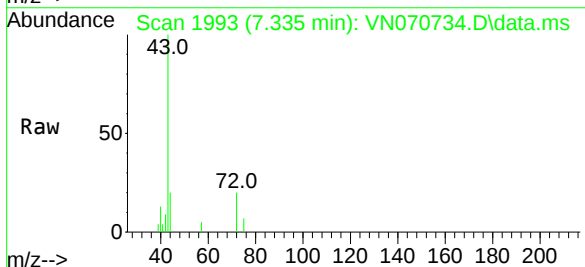


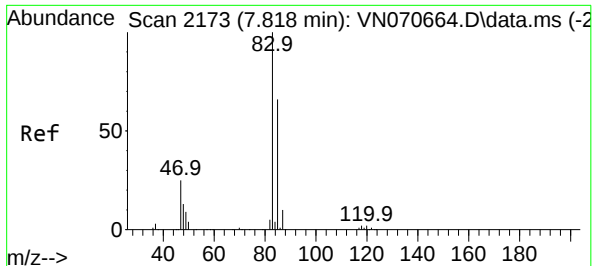
Tgt Ion: 84	Resp: 10523
Ion Ratio	Lower Upper
84 100	
49 137.5	93.5 140.3
51 43.7	29.4 44.2
86 63.6	53.0 79.4



#25
2-Butanone
Concen: 0.985 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. 0.003 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Tgt Ion: 43	Resp: 11987
Ion Ratio	Lower Upper
43 100	
72 20.2	21.7 32.5#





#30

Chloroform

Concen: Below Cal

RT: 8.067 min Scan# 21

Delta R.T. 0.249 min

Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

Instrument :

MSVOA_N

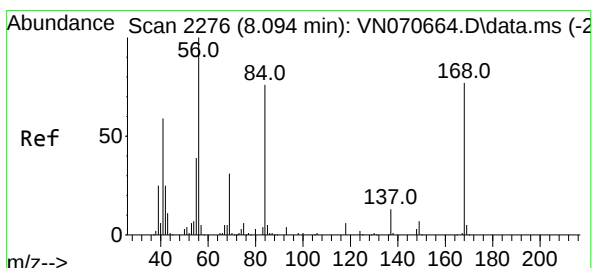
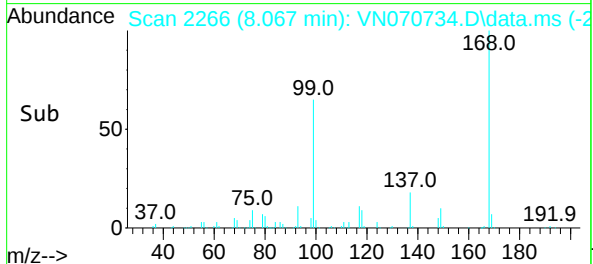
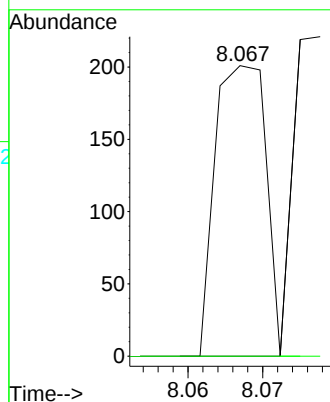
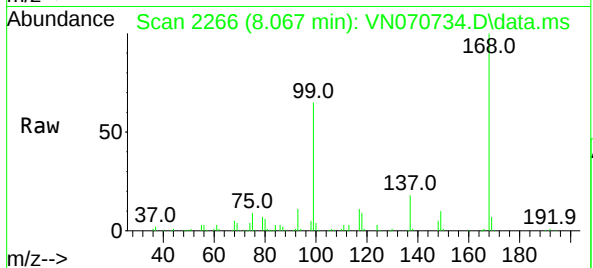
ClientSampleId :

Tgt Ion: 83 Resp: 94

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#



#31

Cyclohexane

Concen: 0.913 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

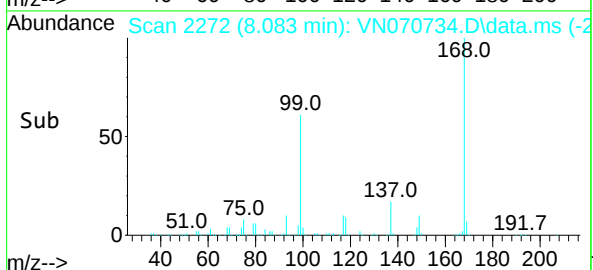
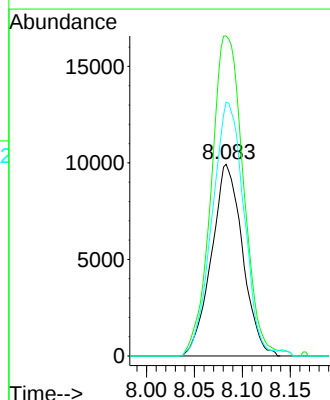
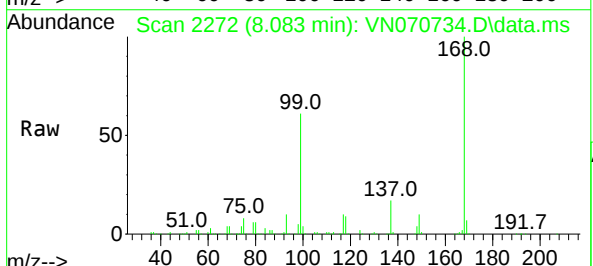
Tgt Ion: 56 Resp: 22381

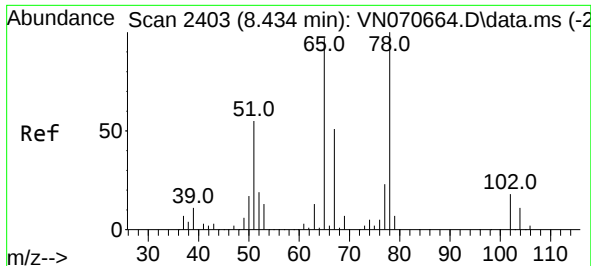
Ion Ratio Lower Upper

56 100

69 166.9 27.1 40.7#

84 132.5 73.4 110.0#

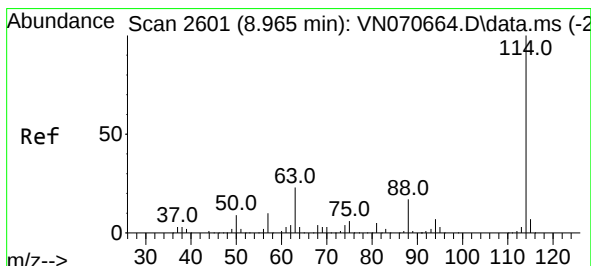
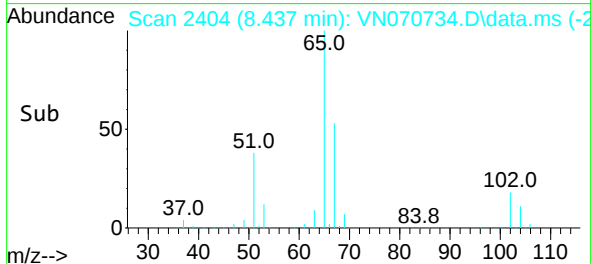
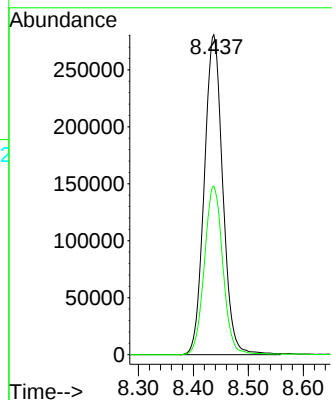
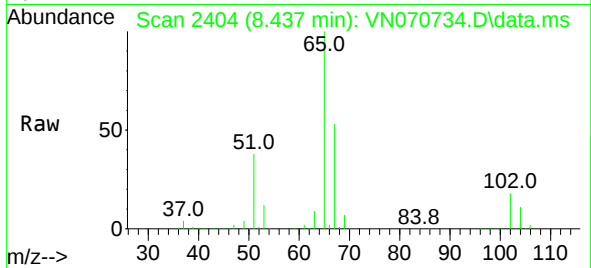




#33
 1,2-Dichloroethane-d4
 Concen: 47.108 ug/l
 RT: 8.437 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN070734.D
 Acq: 21 Jan 2022 16:25

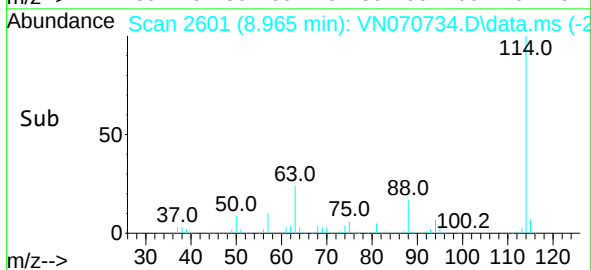
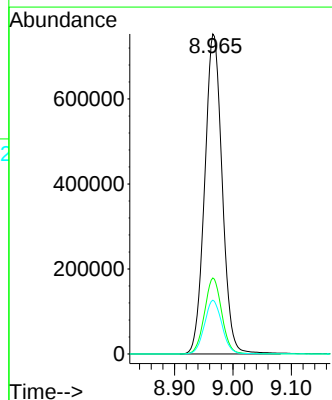
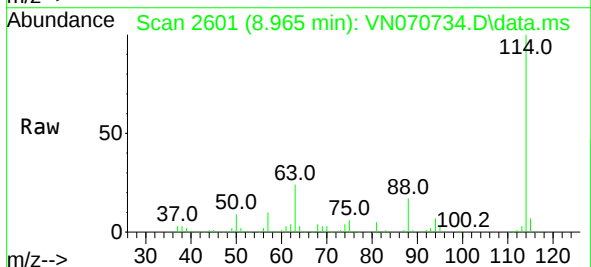
Instrument :
 MSVOA_N
 ClientSampleId :

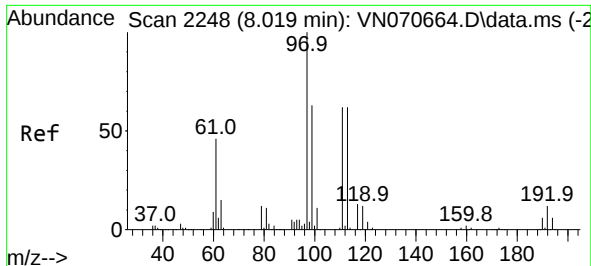
Tgt Ion: 65 Resp: 656149
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. 0.000 min
 Lab File: VN070734.D
 Acq: 21 Jan 2022 16:25

Tgt Ion: 114 Resp: 1566668
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 37.8
 88 16.8 0.0 27.4





#35

Dibromofluoromethane

Concen: 45.446 ug/l

RT: 8.021 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

Instrument :

MSVOA_N

ClientSampleId :

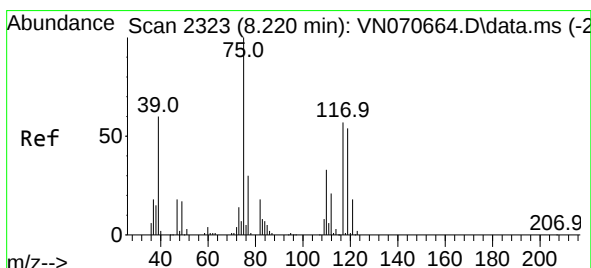
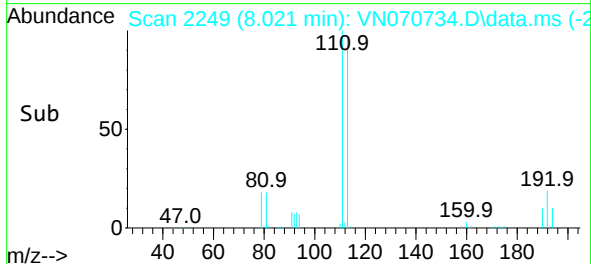
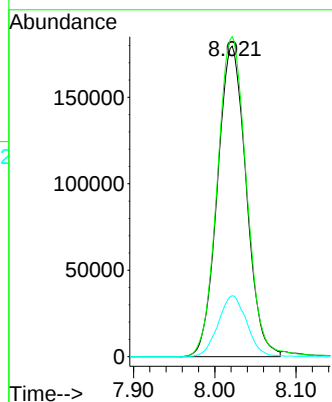
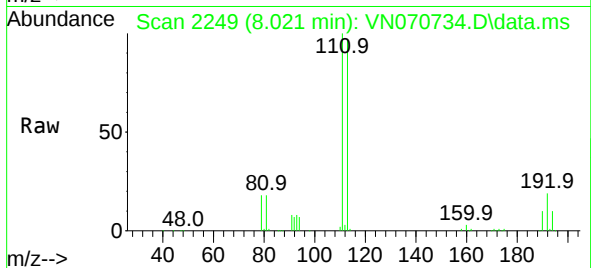
Tgt Ion:113 Resp: 441647

Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.842 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.137 min

Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

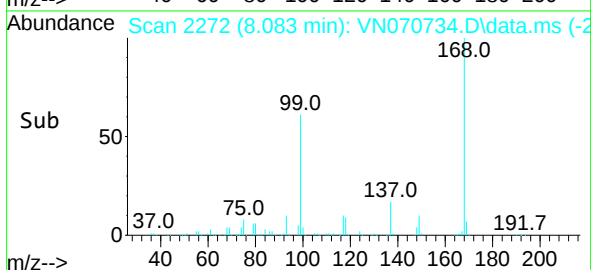
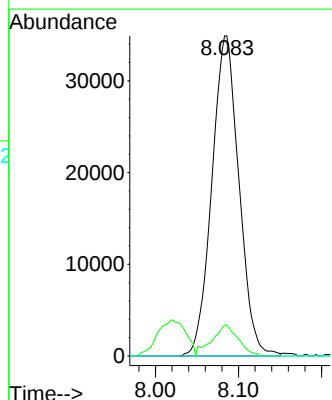
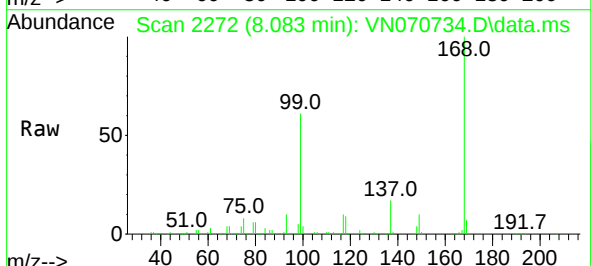
Tgt Ion: 75 Resp: 79220

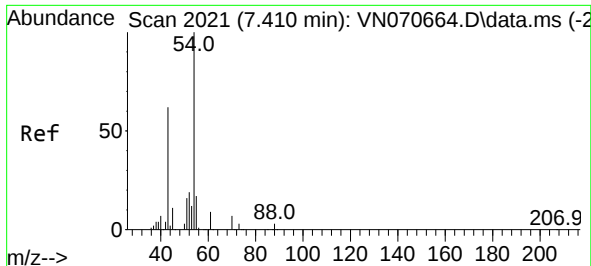
Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.552 ug/l

RT: 7.335 min Scan# 1993

Delta R.T. -0.075 min

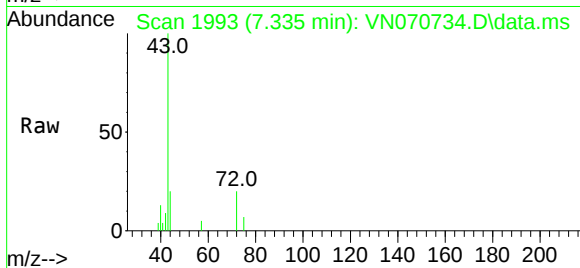
Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

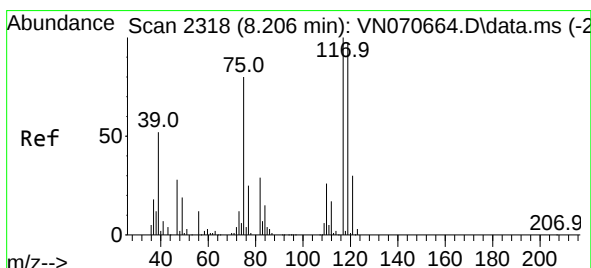
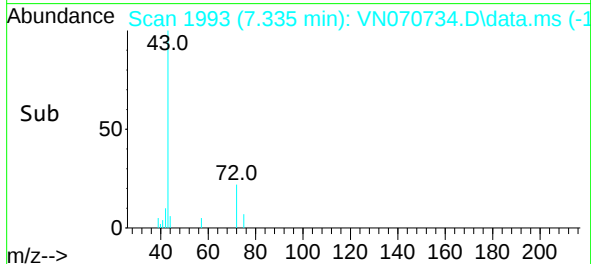
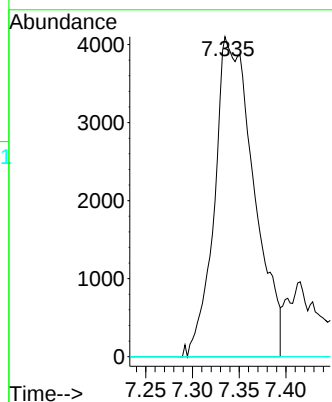
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	11987
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.760 ug/l

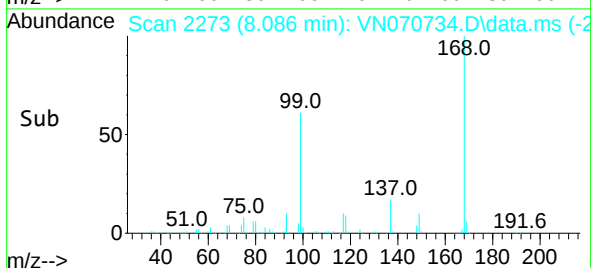
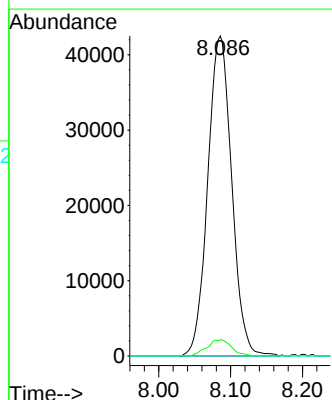
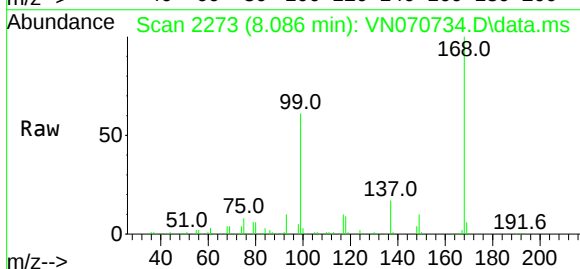
RT: 8.086 min Scan# 2273

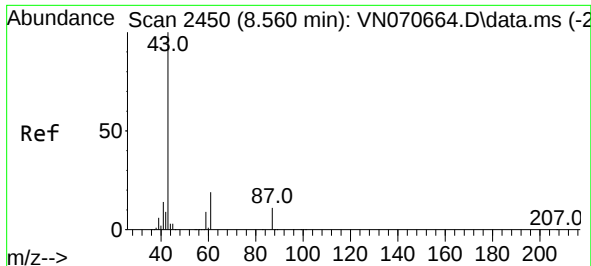
Delta R.T. -0.120 min

Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

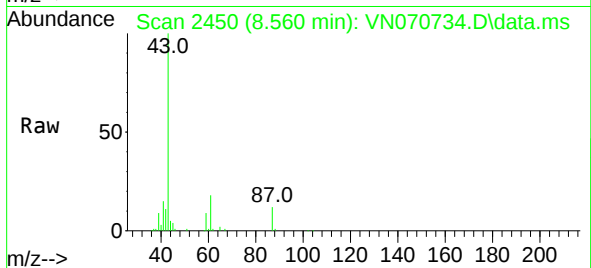
Tgt Ion:	117	Resp:	98380
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.1	114.1#
121	0.0	24.2	36.2#



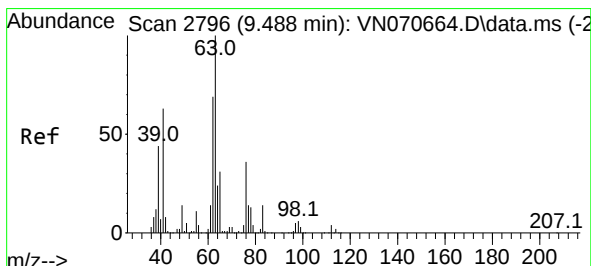
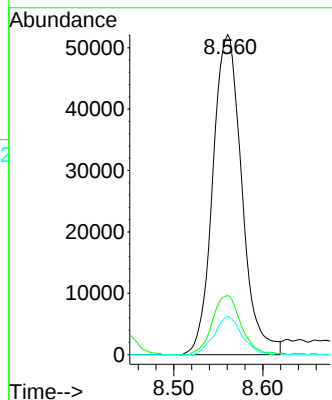
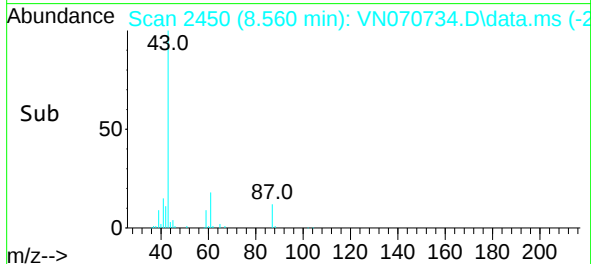


#43
Isopropyl Acetate
Concen: 3.561 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

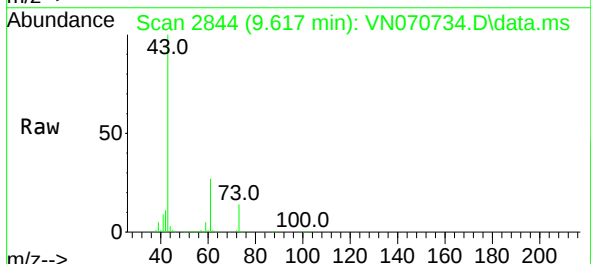
Instrument :
MSVOA_N
ClientSampleId :



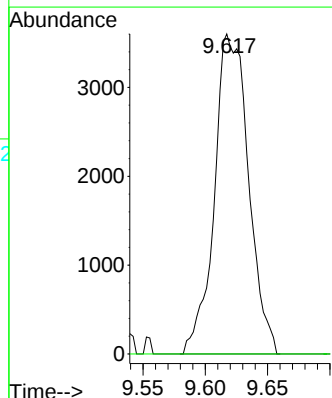
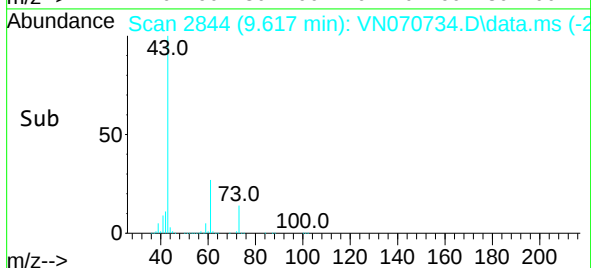
Tgt Ion: 43 Resp: 118128
Ion Ratio Lower Upper
43 100
61 18.4 20.4 30.6#
87 11.3 11.2 16.8

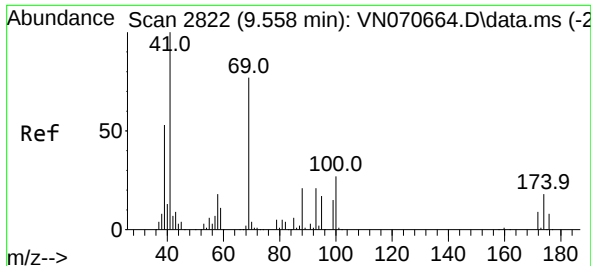


#45
1,2-Dichloropropane
Concen: 0.498 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.129 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25



Tgt Ion: 63 Resp: 6865
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

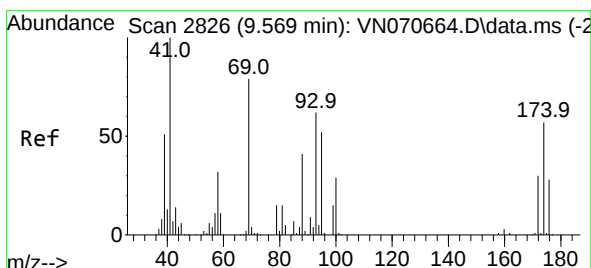
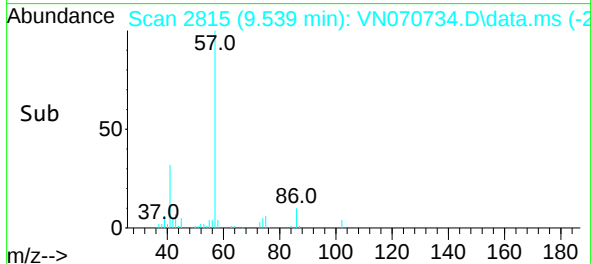
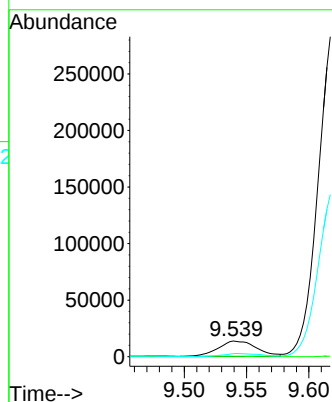
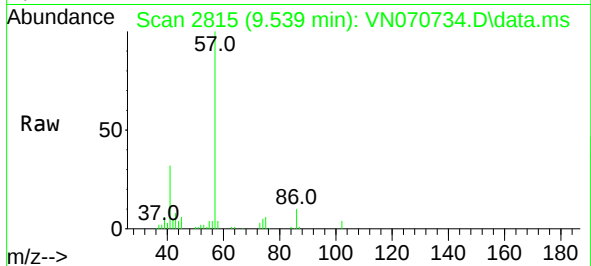




#48
Methyl methacrylate
Concen: 1.821 ug/l
RT: 9.539 min Scan# 2815
Delta R.T. -0.019 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

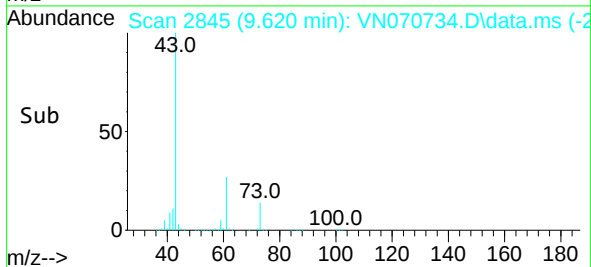
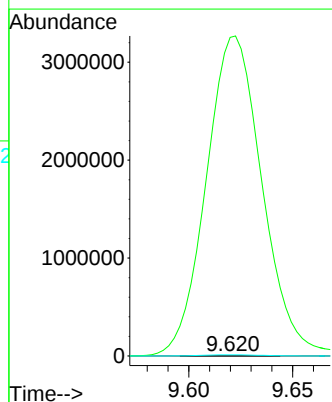
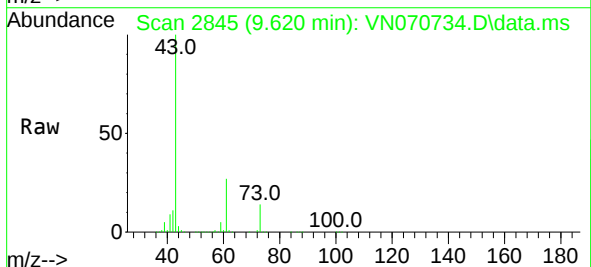
Instrument :
MSVOA_N
ClientSampleId :

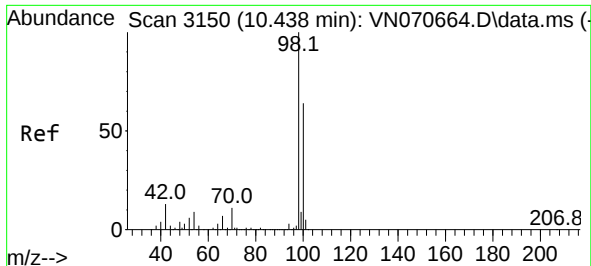
Tgt Ion: 41 Resp: 28777
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.783 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Tgt Ion: 88 Resp: 898
Ion Ratio Lower Upper
88 100
43 695172.4 23.4 35.2#
58 2544.3 50.6 75.8#

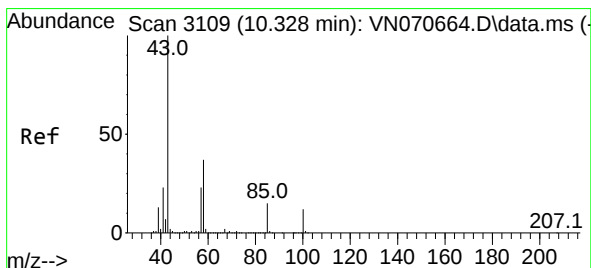
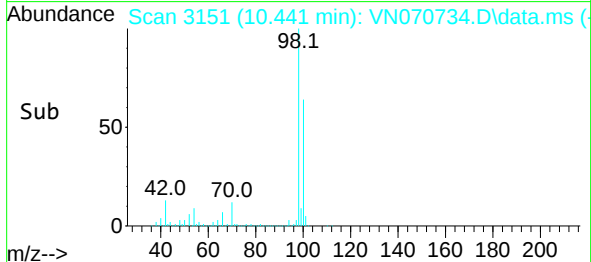
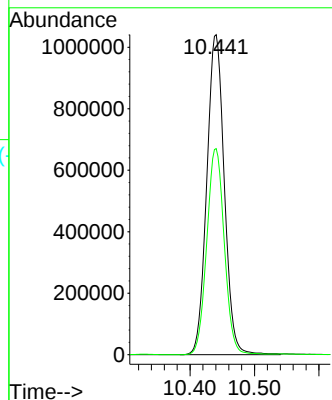
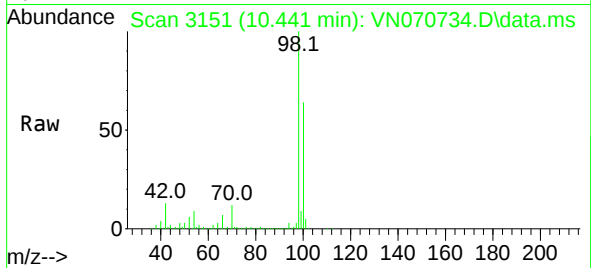




#50
Toluene-d8
Concen: 47.956 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

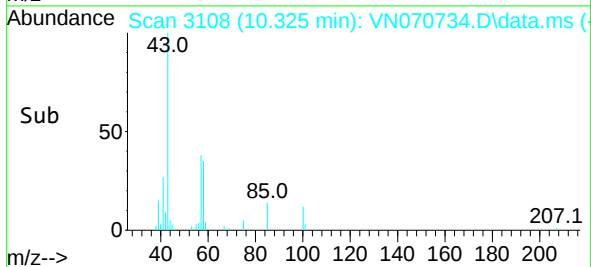
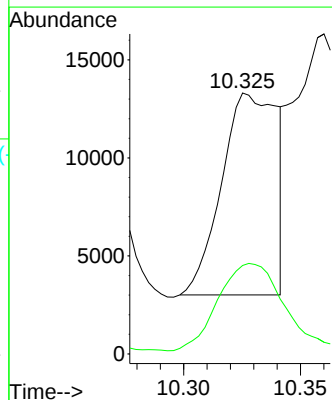
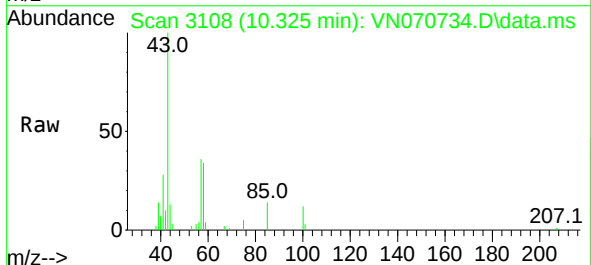
Instrument :
MSVOA_N
ClientSampleId :

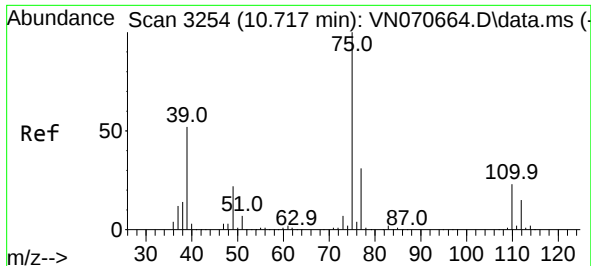
Tgt Ion: 98 Resp: 1963305
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.800 ug/l
RT: 10.325 min Scan# 3108
Delta R.T. -0.003 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Tgt Ion: 43 Resp: 16938
Ion Ratio Lower Upper
43 100
58 52.8 30.4 45.6#

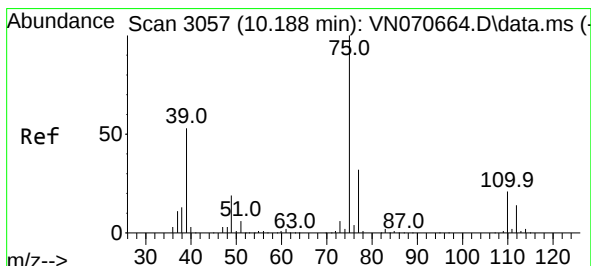
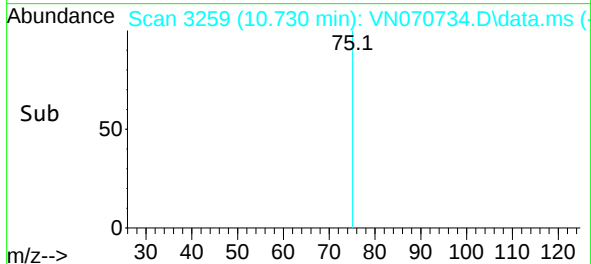
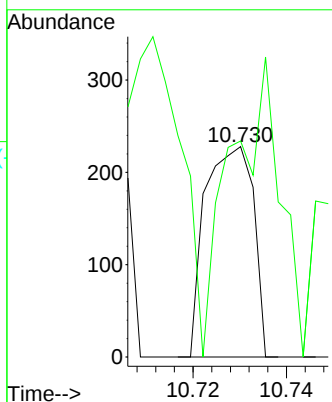
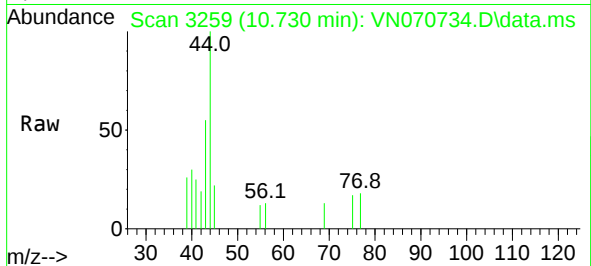




#53
 t-1,3-Dichloropropene
 Concen: 2.412 ug/l
 RT: 10.730 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VN070734.D
 Acq: 21 Jan 2022 16:25

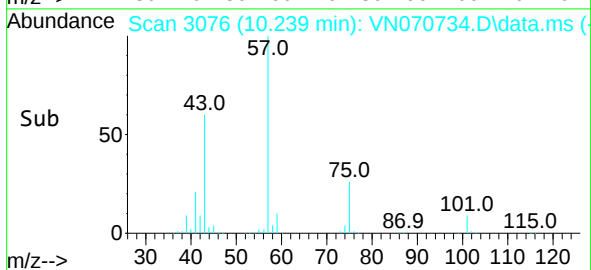
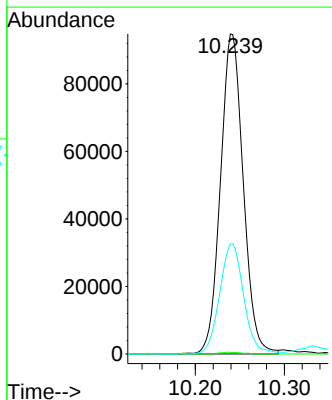
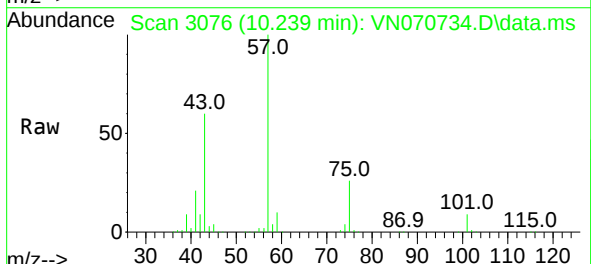
Instrument :
 MSVOA_N
 ClientSampleId :

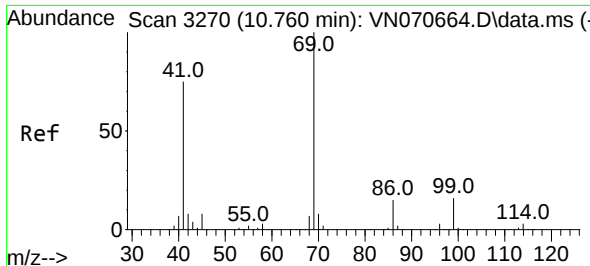
Tgt Ion: 75 Resp: 163
 Ion Ratio Lower Upper
 75 100
 77 28.9 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 8.562 ug/l
 RT: 10.239 min Scan# 3076
 Delta R.T. 0.051 min
 Lab File: VN070734.D
 Acq: 21 Jan 2022 16:25

Tgt Ion: 75 Resp: 168332
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 34.4 42.5 63.7#

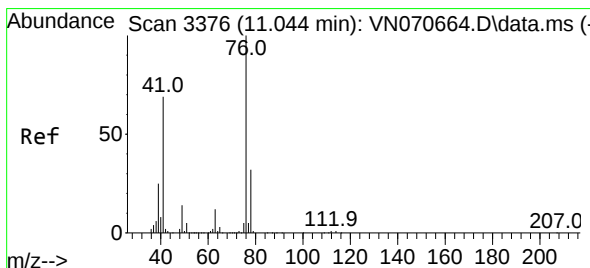
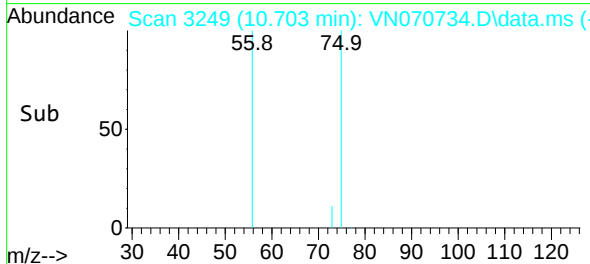
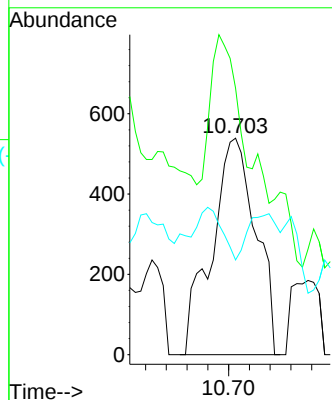
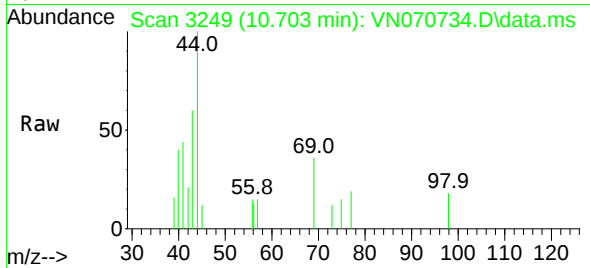




#56
Ethyl methacrylate
Concen: 2.335 ug/l
RT: 10.703 min Scan# 31
Delta R.T. -0.057 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

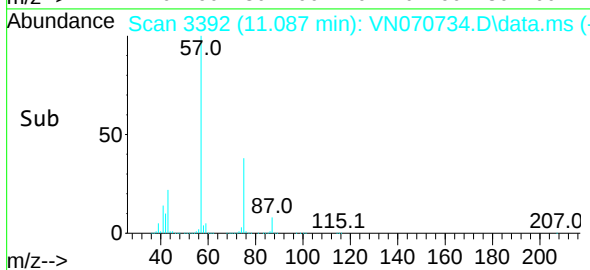
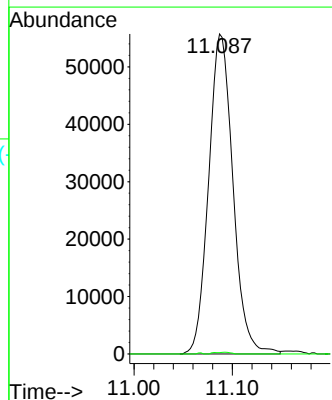
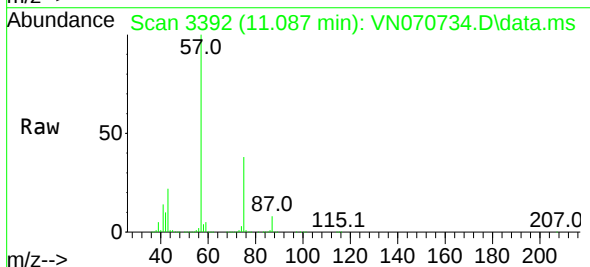
Instrument :
MSVOA_N
ClientSampleId :

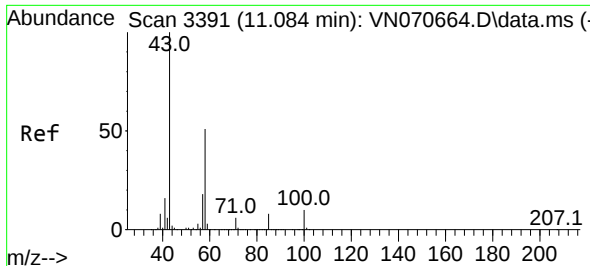
Tgt Ion: 69 Resp: 795
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.537 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.043 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Tgt Ion: 76 Resp: 95682
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

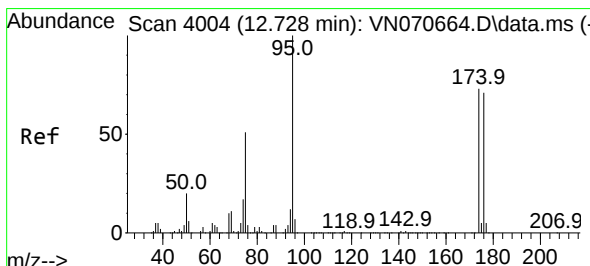
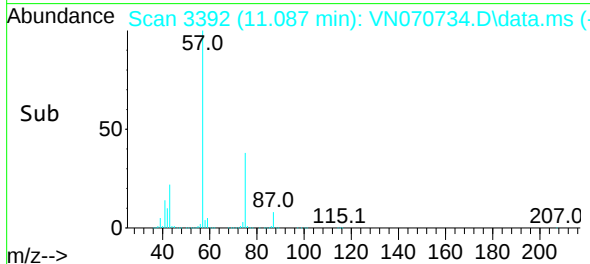
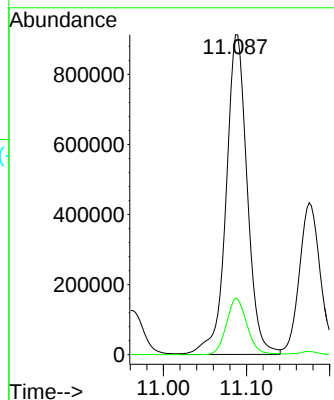
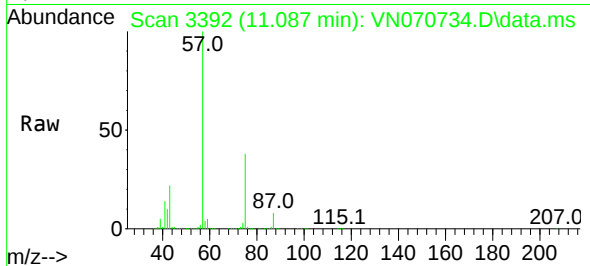




#59
2-Hexanone
Concen: 104.831 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

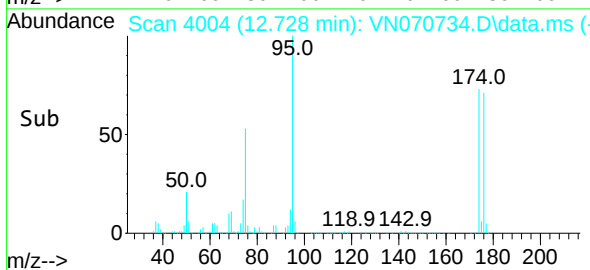
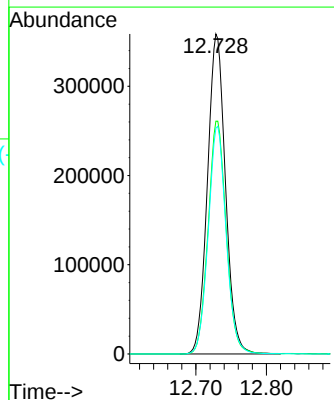
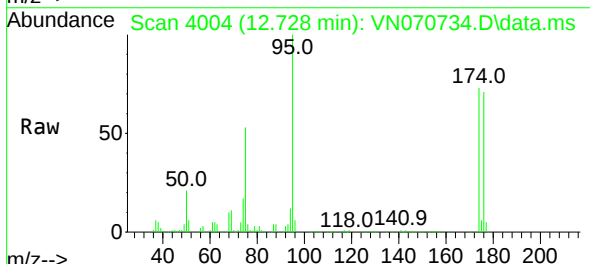
Instrument :
MSVOA_N
ClientSampleId :

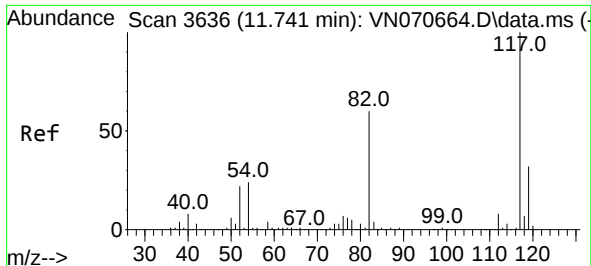
Tgt Ion: 43 Resp: 1612121
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 43.559 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

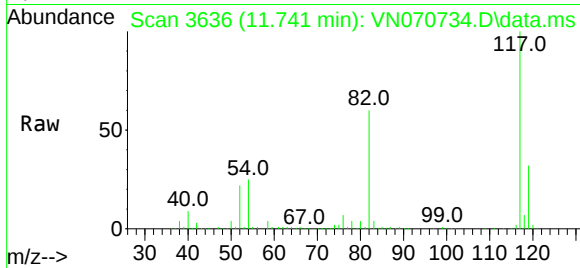
Tgt Ion: 95 Resp: 635462
Ion Ratio Lower Upper
95 100
174 73.2 0.0 187.2
176 70.7 0.0 181.4



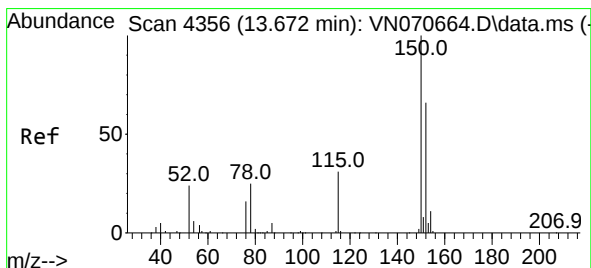
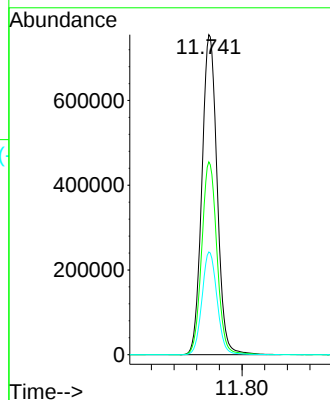
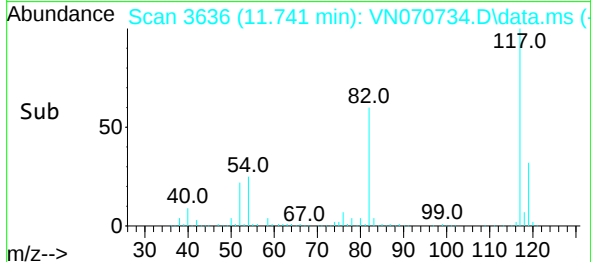


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

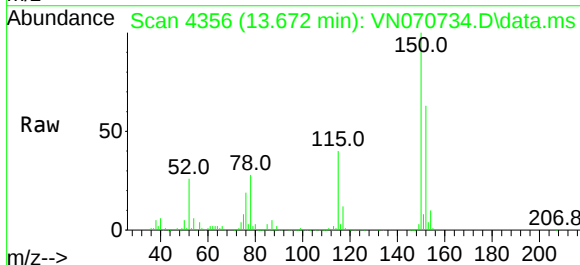
Instrument :
MSVOA_N
ClientSampleId :



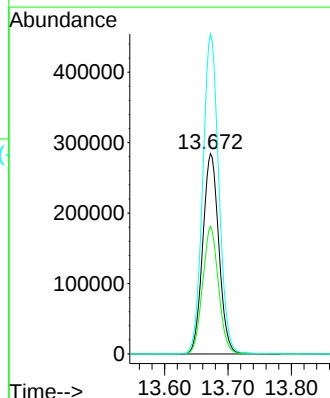
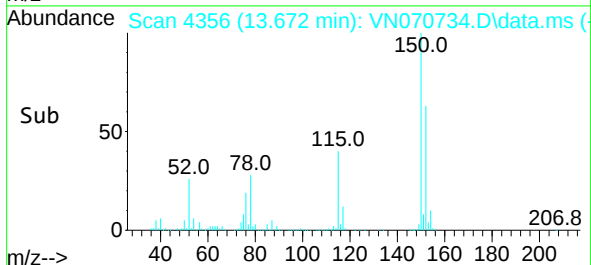
Tgt Ion:117 Resp: 1405975
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 32.1 25.4 38.2

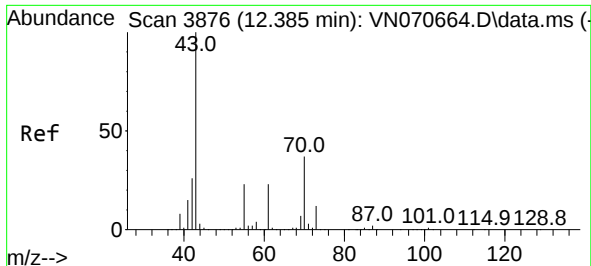


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25



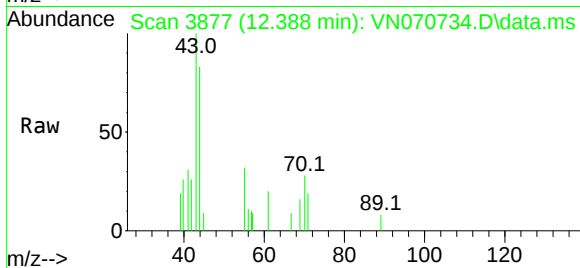
Tgt Ion:152 Resp: 502064
Ion Ratio Lower Upper
152 100
115 62.5 27.5 82.5
150 158.8 0.0 344.4



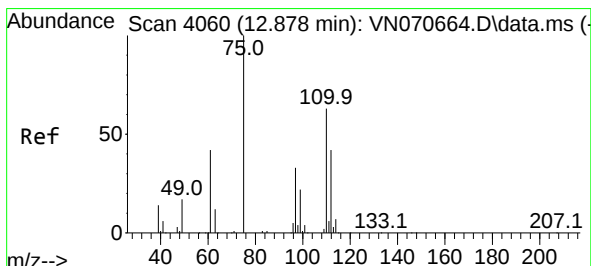
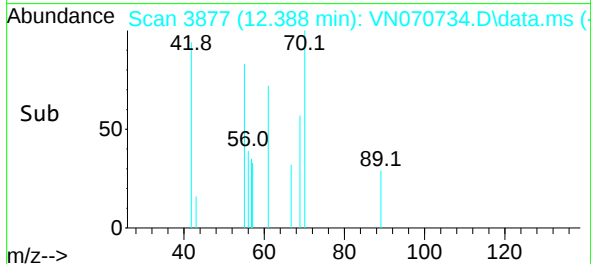
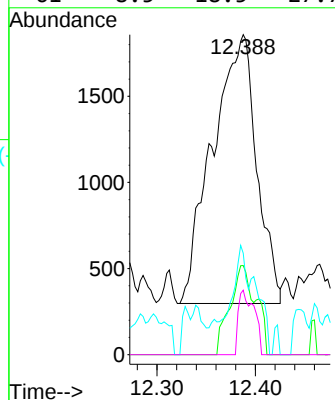


#74
N-amy1 acetate
Concen: 0.251 ug/l
RT: 12.388 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Instrument :
MSVOA_N
ClientSampleId :

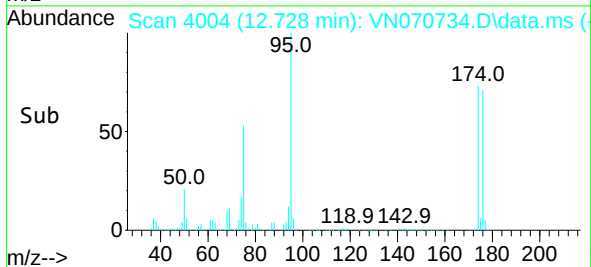
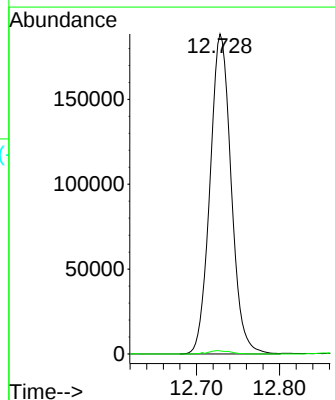
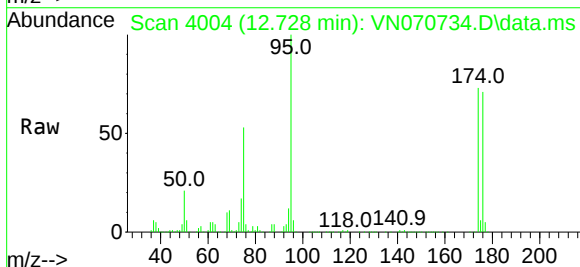


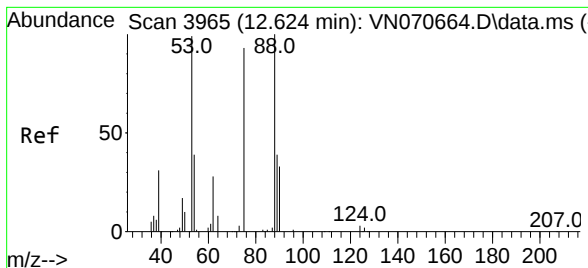
Tgt Ion: 43 Resp: 4872
Ion Ratio Lower Upper
43 100
70 15.7 33.4 50.0#
55 6.7 19.3 28.9#
61 8.5 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 25.057 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

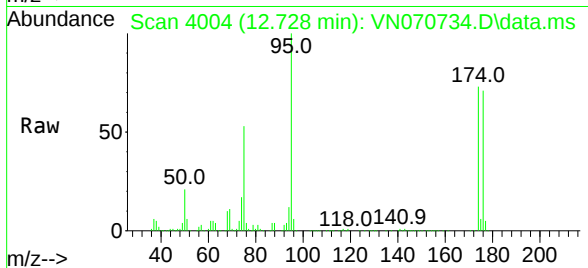
Tgt Ion: 75 Resp: 333663
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



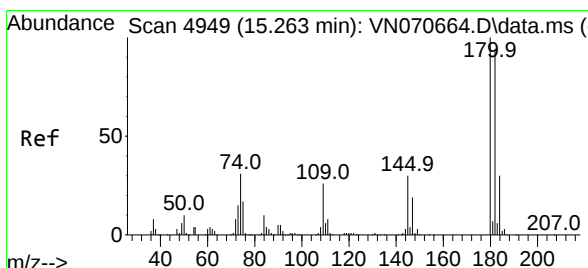
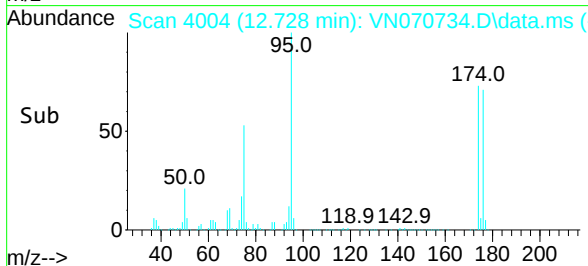
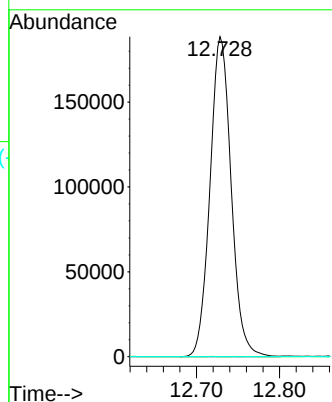


#81
trans-1,4-Dichloro-2-butene
Concen: 74.650 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Instrument :
MSVOA_N
ClientSampleId :

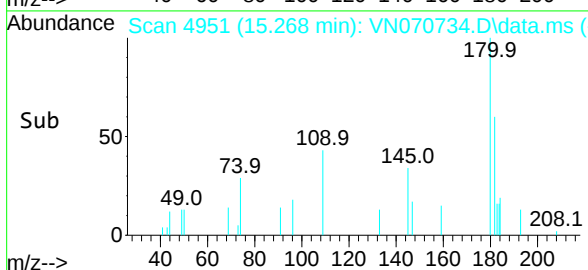
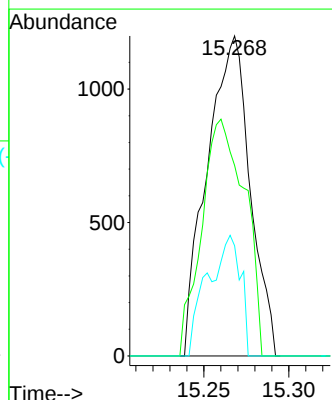
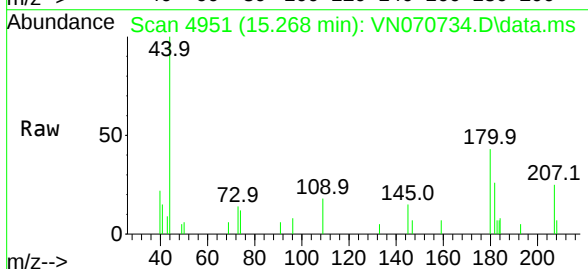


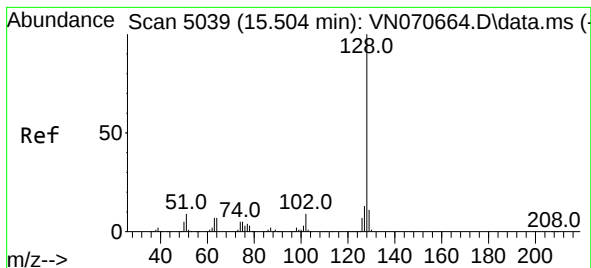
Tgt Ion: 75 Resp: 333663
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.637 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.005 min
Lab File: VN070734.D
Acq: 21 Jan 2022 16:25

Tgt Ion: 180 Resp: 2111
Ion Ratio Lower Upper
180 100
182 74.2 48.3 144.9
145 19.2 14.5 43.5





#95

Naphthalene

Concen: 5.261 ug/l

RT: 15.507 min Scan# 5039

Delta R.T. 0.003 min

Lab File: VN070734.D

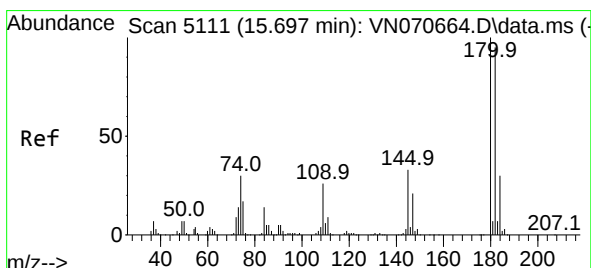
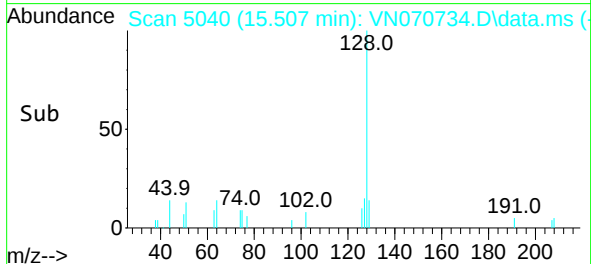
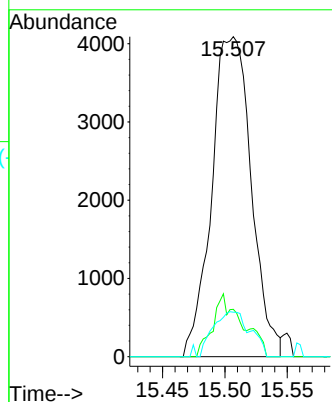
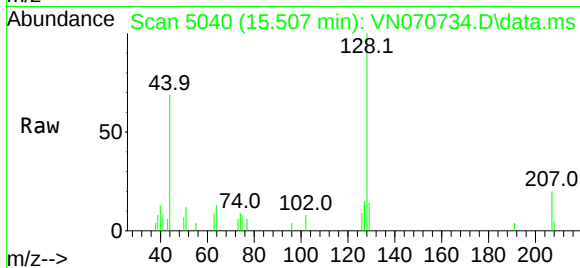
Acq: 21 Jan 2022 16:25

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	9027
Ion Ratio	Lower	Upper
128	100	
127	12.2	10.5 15.7
129	13.1	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 3.442 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. 0.003 min

Lab File: VN070734.D

Acq: 21 Jan 2022 16:25

Tgt Ion:180	Resp:	2144
Ion Ratio	Lower	Upper
180	100	
182	81.4	47.4 142.2
145	19.5	15.0 45.1

