

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070592.D
 Acq On : 12 Jan 2022 17:42
 Operator : JC/MD
 Sample : N1097-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:27:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

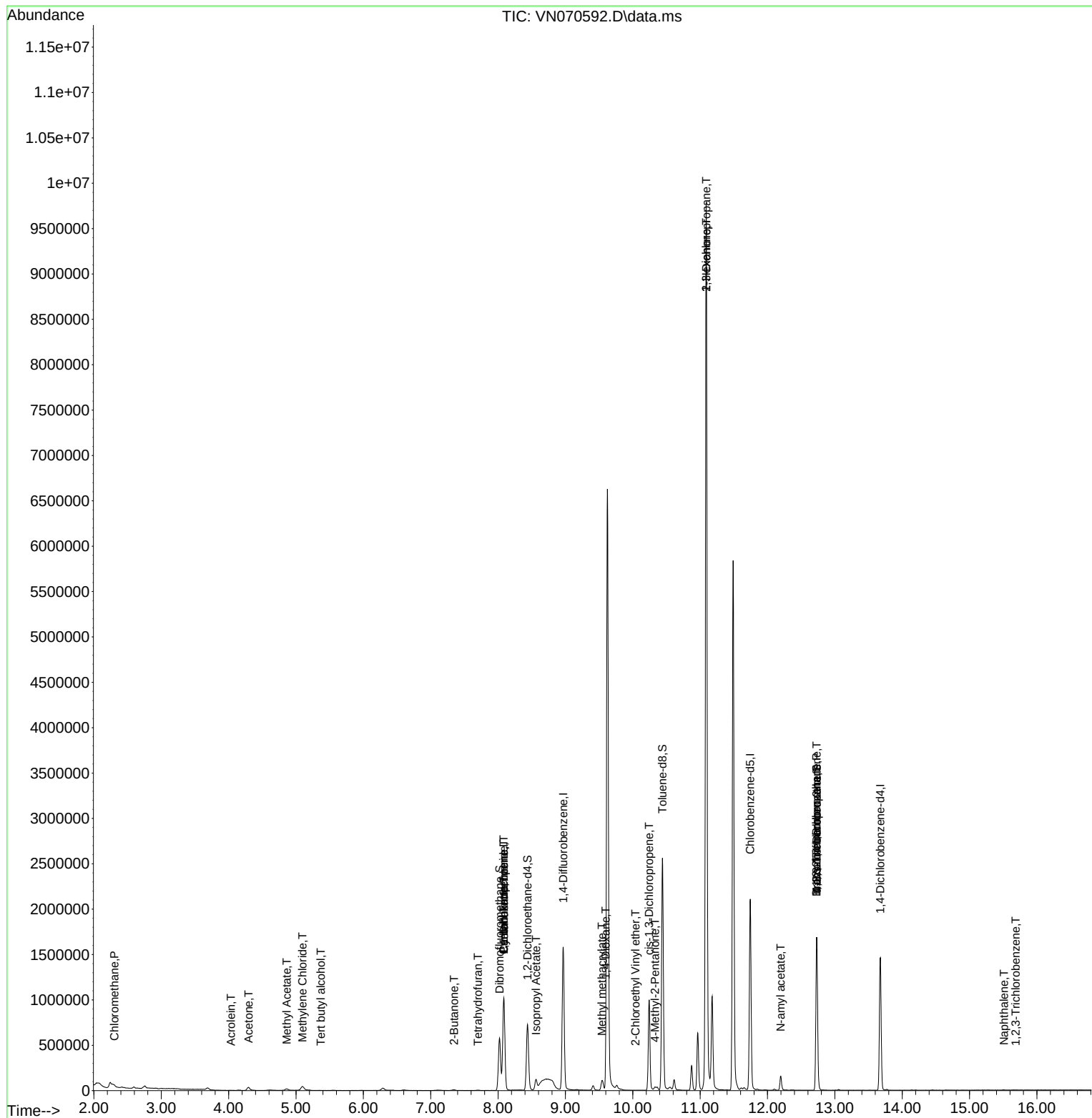
Internal Standards						
1) Pentafluorobenzene	8.086	168	784760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1361648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1214802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	414050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	605720	53.683	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.360%	
35) Dibromofluoromethane	8.021	113	427295	51.865	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.720%	
50) Toluene-d8	10.440	98	1769510	52.577	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.160%	
62) 4-Bromofluorobenzene	12.731	95	630894	51.901	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	4626	0.382	ug/l #	87
11) Tert butyl alcohol	5.369	59	612	0.326	ug/l #	71
13) Acrolein	4.033	56	432	0.283	ug/l	96
16) Acetone	4.296	43	61468	8.392	ug/l	96
18) Methyl Acetate	4.862	43	35059	1.655	ug/l #	70
20) Methylene Chloride	5.095	84	30258	2.986	ug/l #	83
25) 2-Butanone	7.348	43	13772	1.493	ug/l #	89
29) Tetrahydrofuran	7.699	42	4157	0.755	ug/l #	60
31) Cyclohexane	8.086	56	17356	0.975	ug/l #	14
36) 1,1-Dichloropropene	8.083	75	63510	4.660	ug/l #	48
38) Carbon Tetrachloride	8.083	117	75674	5.815	ug/l #	17
43) Isopropyl Acetate	8.563	43	153266	5.503	ug/l #	81
48) Methyl methacrylate	9.542	41	33899	2.552	ug/l #	8
49) 1,4-Dioxane	9.598	88	179	0.920	ug/l #	27
51) 4-Methyl-2-Pentanone	10.328	43	16588	0.948	ug/l #	75
54) cis-1,3-Dichloropropene	10.242	75	171625	10.551	ug/l #	61
57) 1,3-Dichloropropane	11.089	76	99928	5.646	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.041	63	27	18.519	ug/l #	45
59) 2-Hexanone	11.089	43	1668171	130.705	ug/l #	49
71) Bromoform	12.728	173	1461	0.214	ug/l #	1
74) N-amyl acetate	12.194	43	56731	3.509	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.728	83	413	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	327356	27.979	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	327356	96.595	ug/l #	5
95) Naphthalene	15.509	128	2892	1.945	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.686	180	387	0.884	ug/l #	23

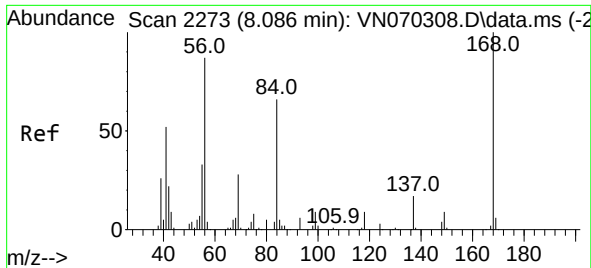
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

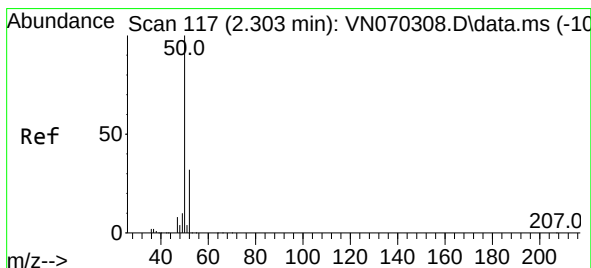
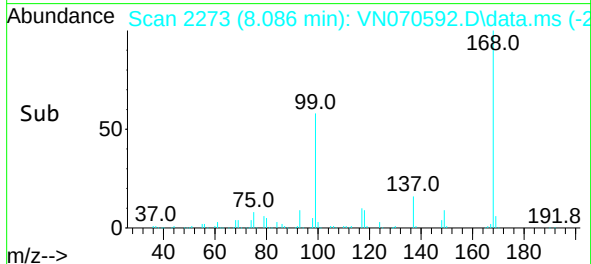
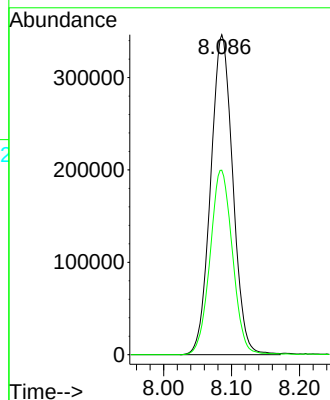
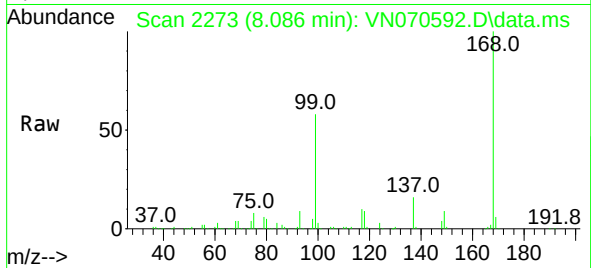




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

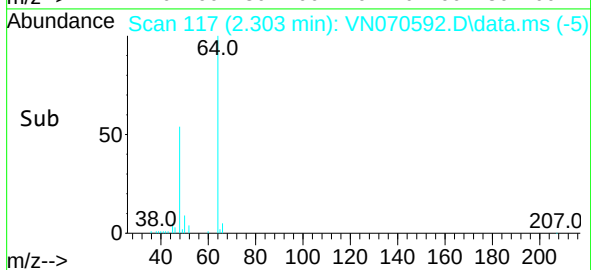
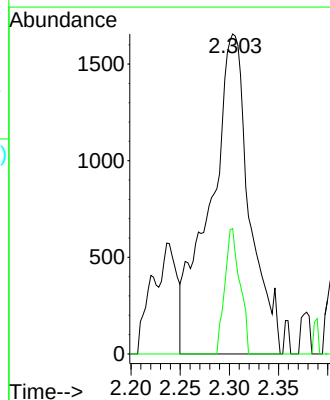
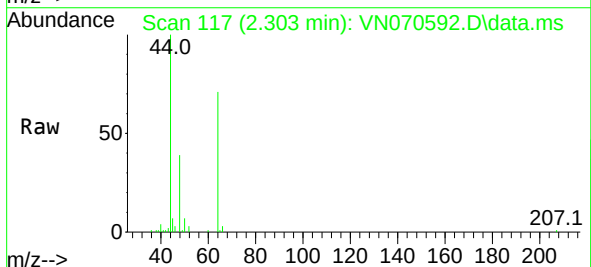
Instrument :
MSVOA_N
ClientSampleId :

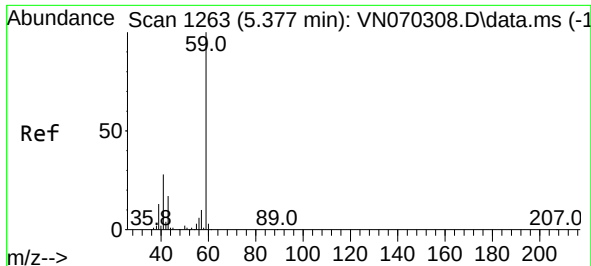
Tgt Ion:168 Resp: 784760
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.382 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

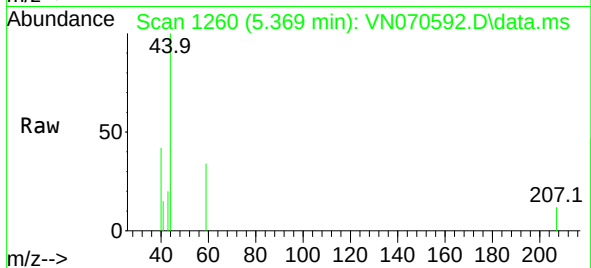
Tgt Ion: 50 Resp: 4626
Ion Ratio Lower Upper
50 100
52 39.2 25.4 38.0#



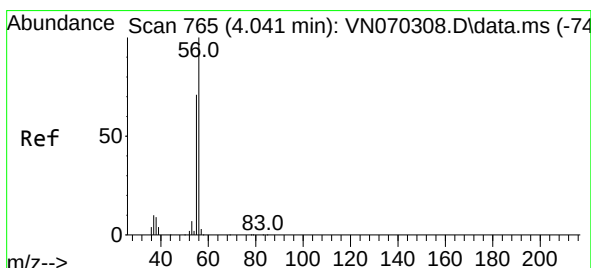
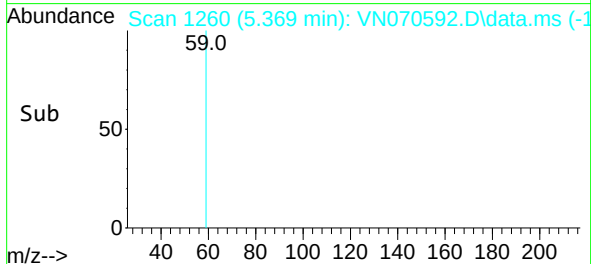
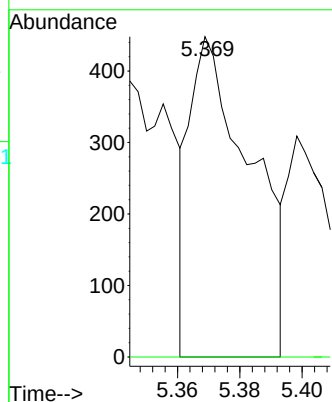


#11
Tert butyl alcohol
Concen: 0.326 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.008 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :

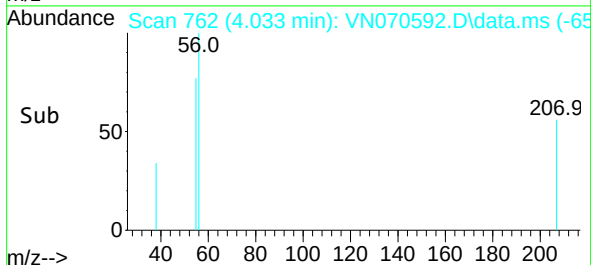
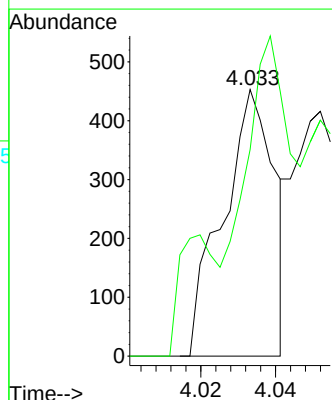
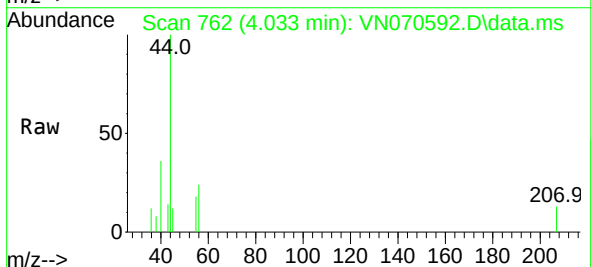


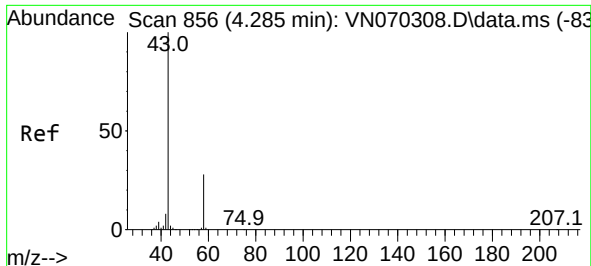
Tgt Ion: 59 Resp: 612
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.283 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion: 56 Resp: 432
Ion Ratio Lower Upper
56 100
55 67.6 56.6 85.0

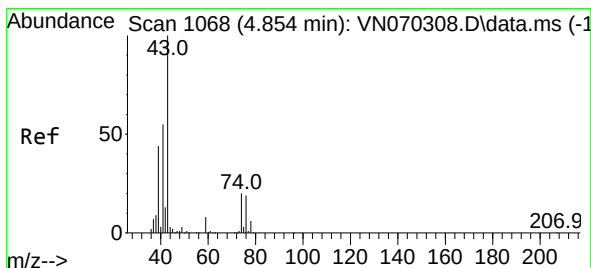
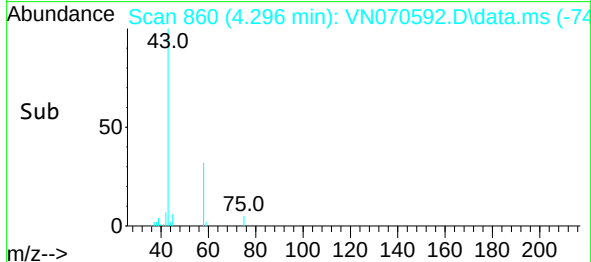
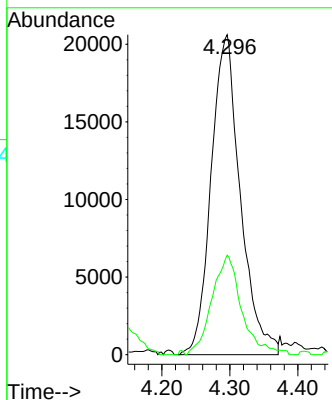
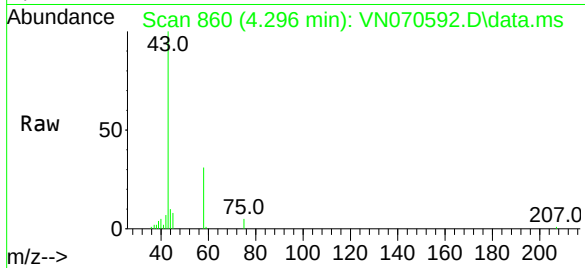




#16
Acetone
Concen: 8.392 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

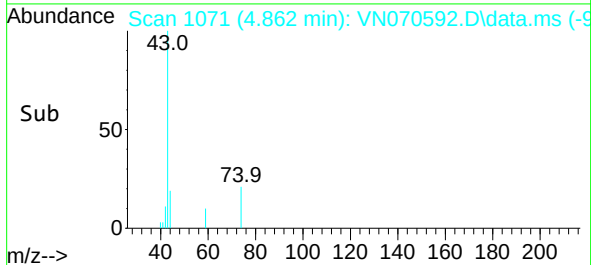
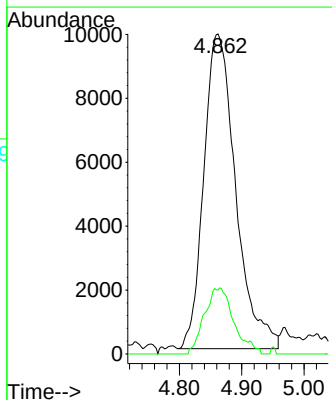
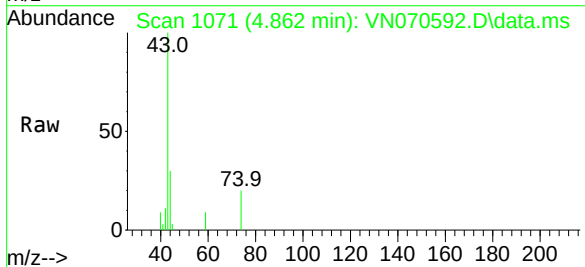
Instrument :
MSVOA_N
ClientSampleId :

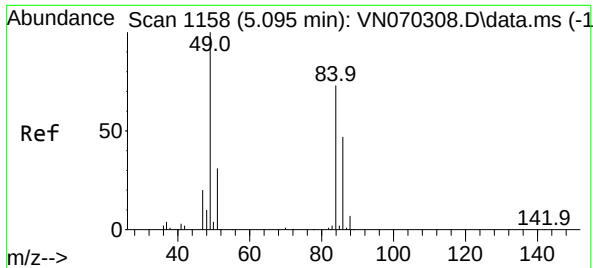
Tgt Ion: 43 Resp: 61468
Ion Ratio Lower Upper
43 100
58 31.1 23.1 34.7



#18
Methyl Acetate
Concen: 1.655 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

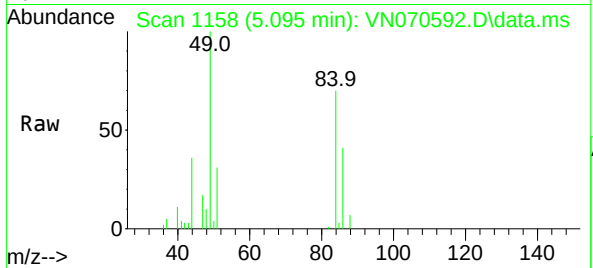
Tgt Ion: 43 Resp: 35059
Ion Ratio Lower Upper
43 100
74 9.3 19.4 29.2#



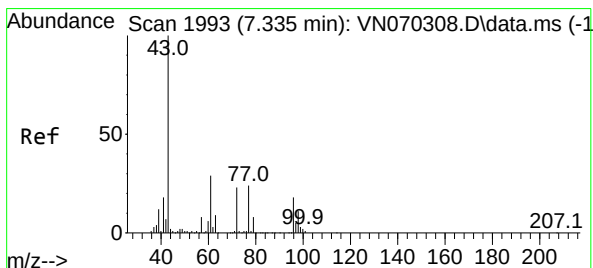
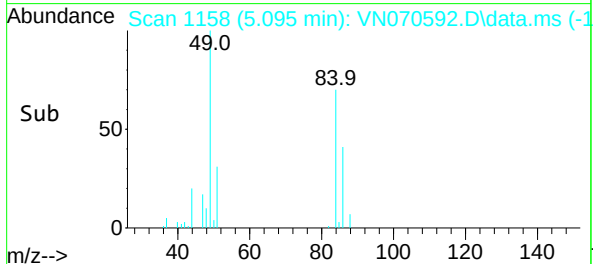
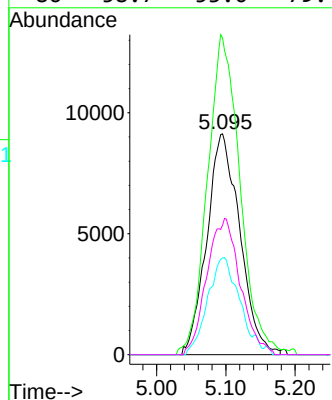


#20
Methylene Chloride
Concen: 2.986 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :

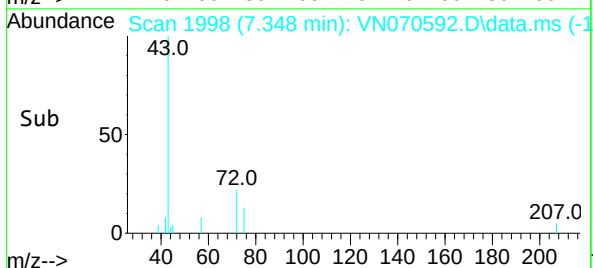
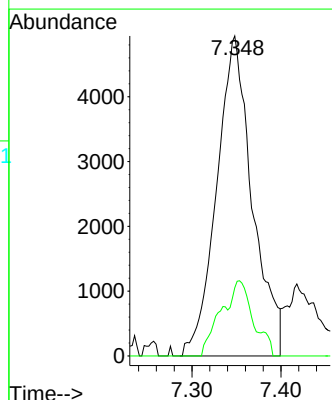
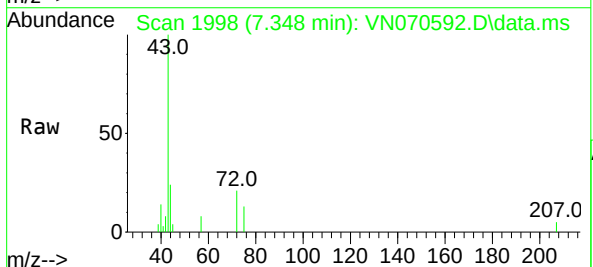


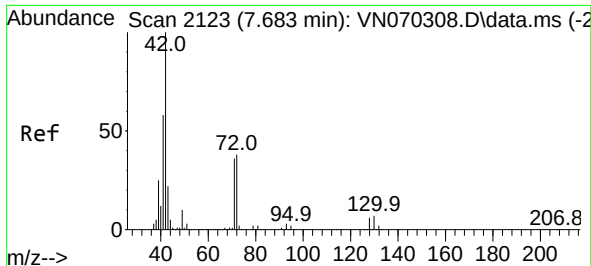
Tgt Ion: 84 Resp: 30258
Ion Ratio Lower Upper
84 100
49 141.1 93.5 140.3#
51 43.9 29.4 44.2
86 58.7 53.0 79.4



#25
2-Butanone
Concen: 1.493 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion: 43 Resp: 13772
Ion Ratio Lower Upper
43 100
72 21.3 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.755 ug/l

RT: 7.699 min Scan# 21

Delta R.T. 0.016 min

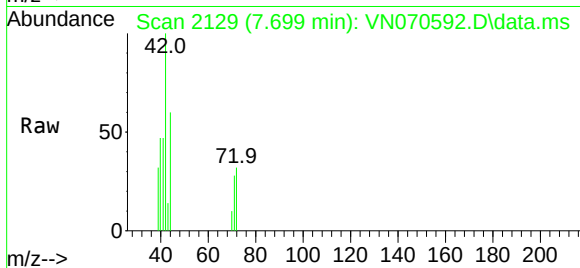
Lab File: VN070592.D

Acq: 12 Jan 2022 17:42

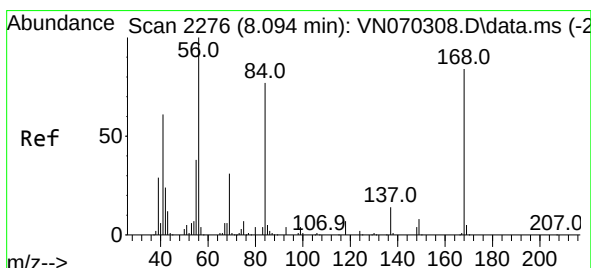
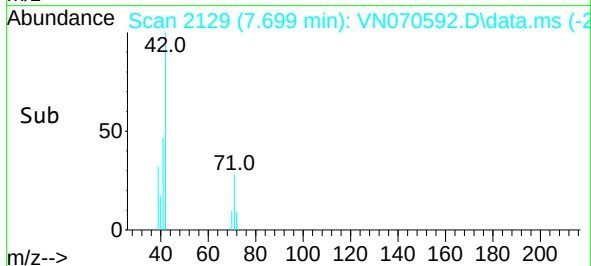
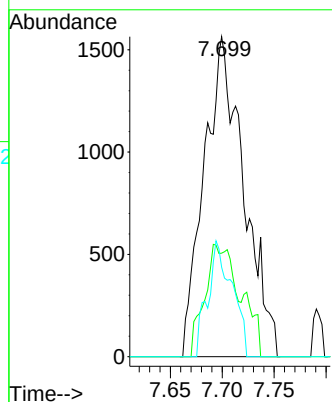
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	4157
Ion	Ratio	Lower	Upper
42	100		
72	15.3	36.3	54.5#
71	22.1	34.7	52.1#



#31

Cyclohexane

Concen: 0.975 ug/l

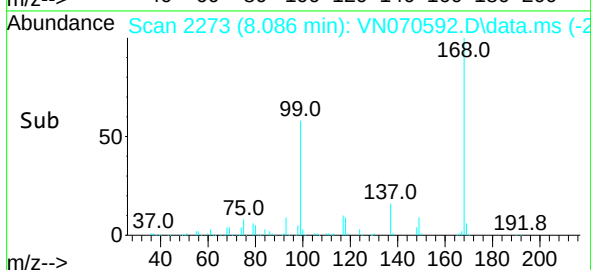
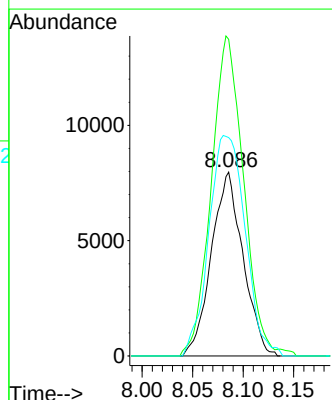
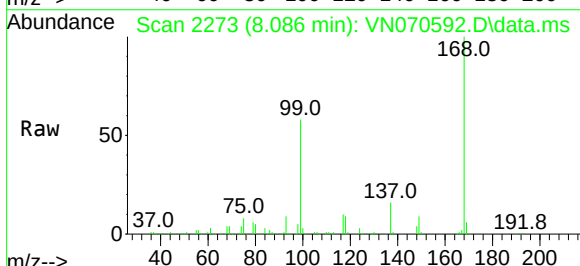
RT: 8.086 min Scan# 2273

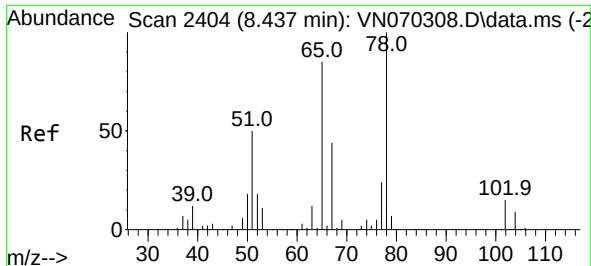
Delta R.T. -0.008 min

Lab File: VN070592.D

Acq: 12 Jan 2022 17:42

Tgt Ion:	56	Resp:	17356
Ion	Ratio	Lower	Upper
56	100		
69	172.2	27.1	40.7#
84	118.8	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.683 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070592.D

Acq: 12 Jan 2022 17:42

Instrument :

MSVOA_N

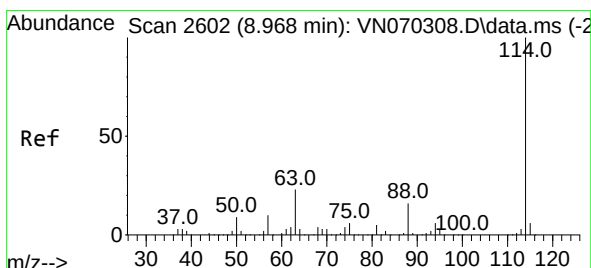
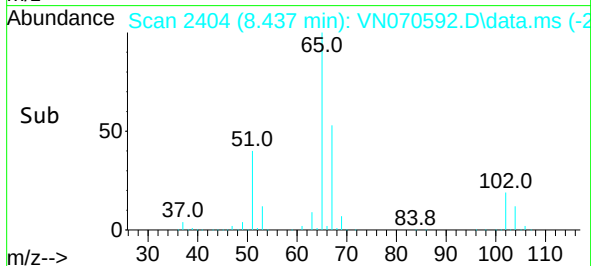
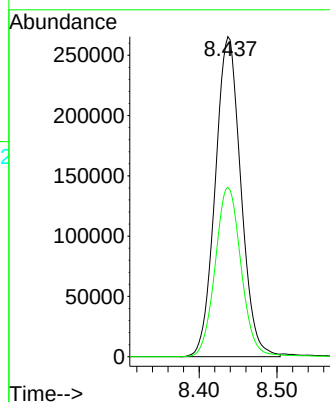
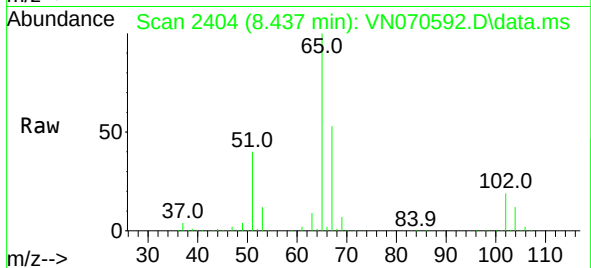
ClientSampleId :

Tgt Ion: 65 Resp: 605720

Ion Ratio Lower Upper

65 100

67 53.8 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: VN070592.D

Acq: 12 Jan 2022 17:42

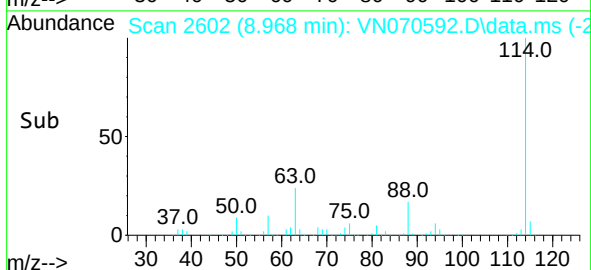
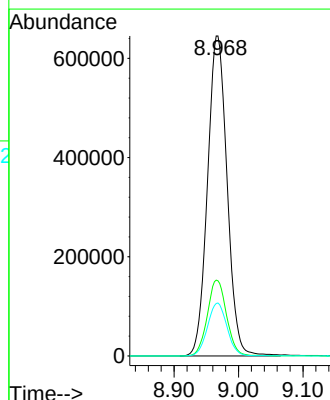
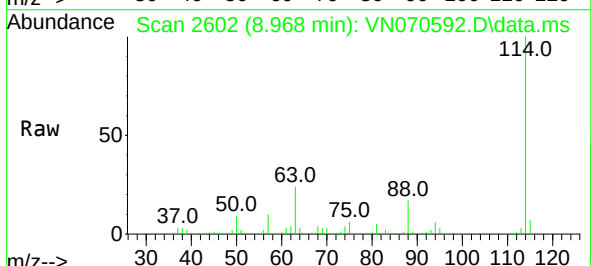
Tgt Ion: 114 Resp: 1361648

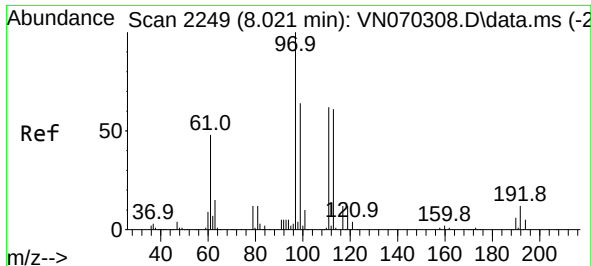
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.5 0.0 27.4

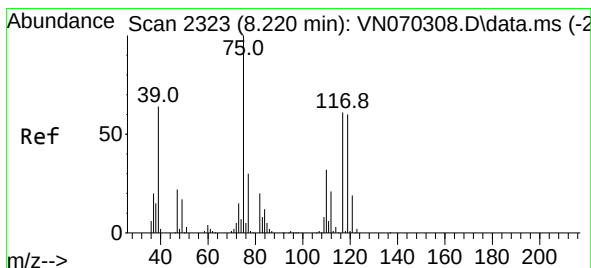
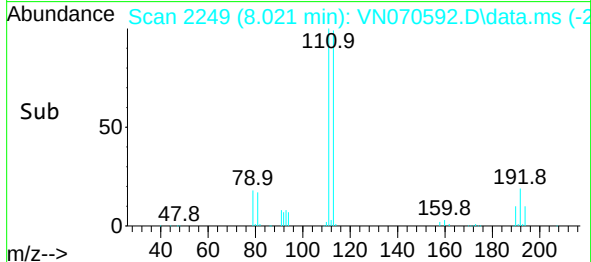
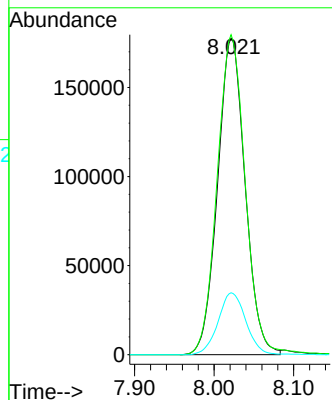
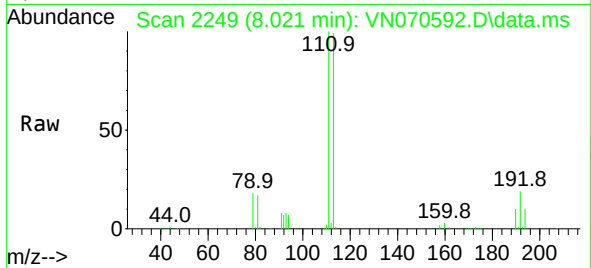




#35
Dibromofluoromethane
Concen: 51.865 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

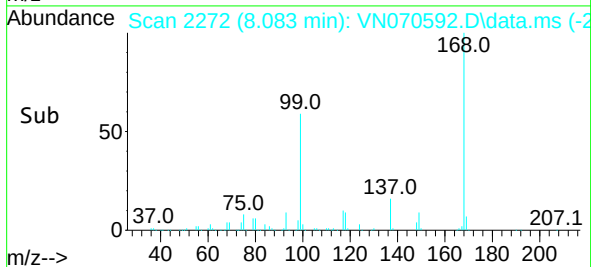
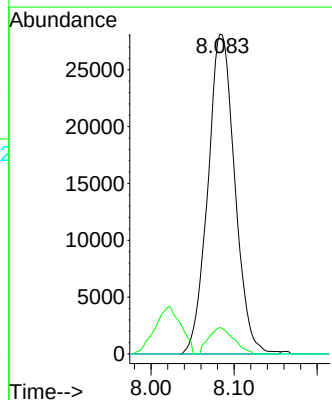
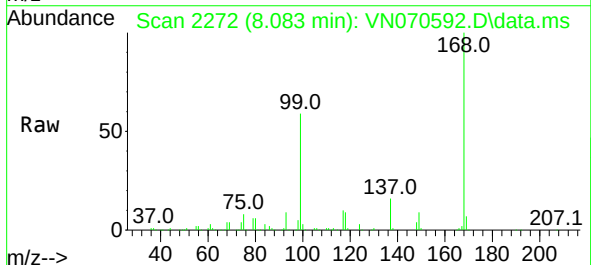
Instrument :
MSVOA_N
ClientSampleId :

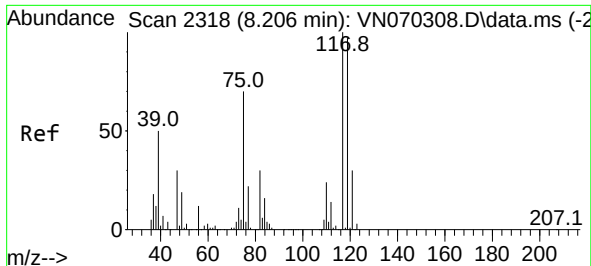
Tgt Ion:113 Resp: 427295
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.660 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

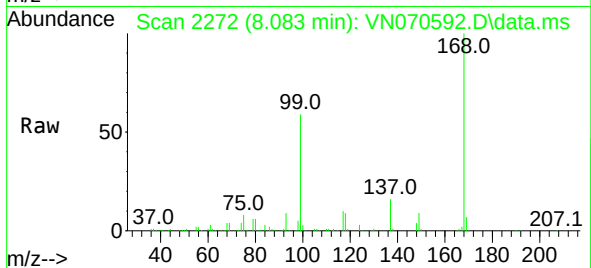
Tgt Ion: 75 Resp: 63510
Ion Ratio Lower Upper
75 100
110 7.6 18.4 55.2#
77 0.0 24.4 36.6#



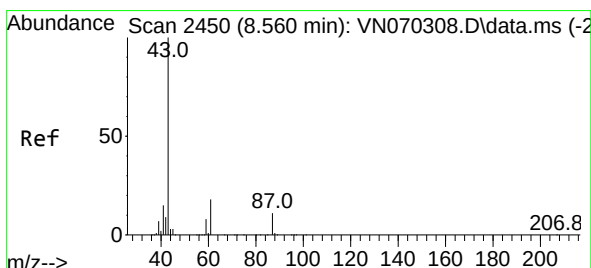
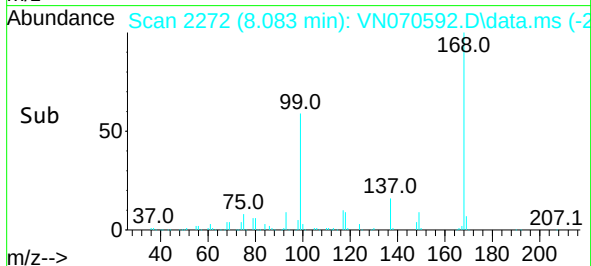
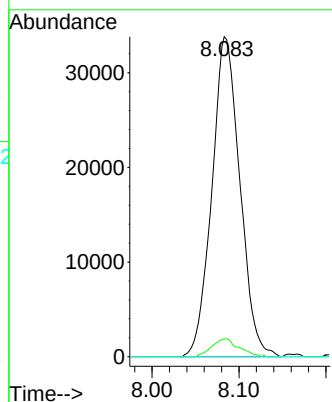


#38
Carbon Tetrachloride
Concen: 5.815 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.123 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :

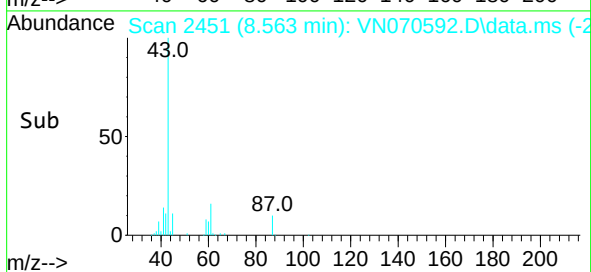
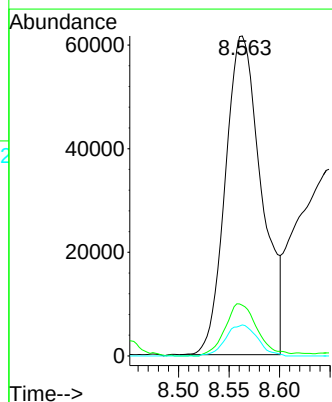
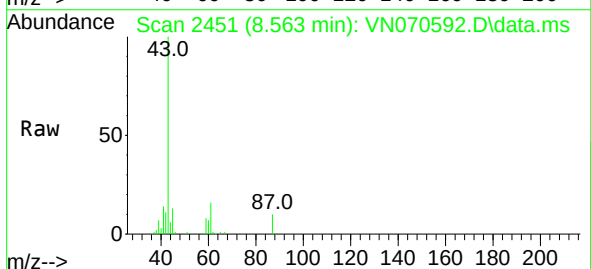


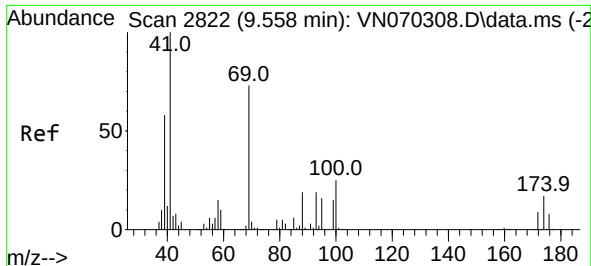
Tgt Ion:117 Resp: 75674
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.503 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

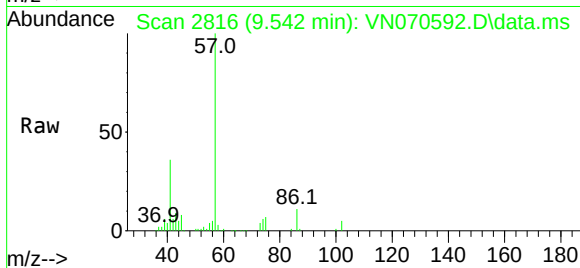
Tgt Ion: 43 Resp: 153266
Ion Ratio Lower Upper
43 100
61 14.6 20.4 30.6#
87 8.6 11.2 16.8#



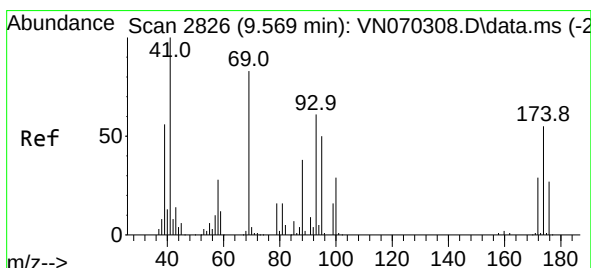
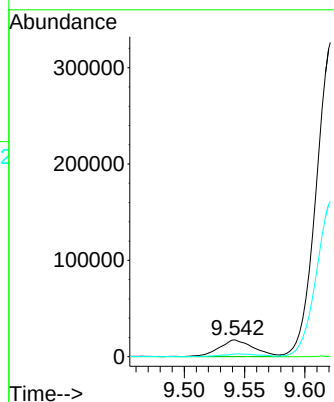
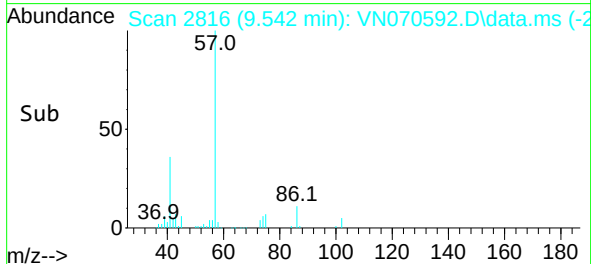


#48
Methyl methacrylate
Concen: 2.552 ug/l
RT: 9.542 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

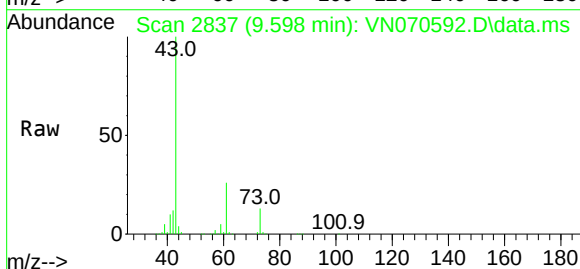
Instrument :
MSVOA_N
ClientSampleId :



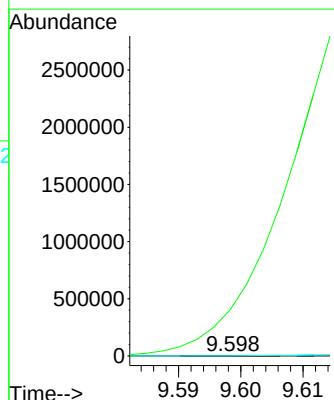
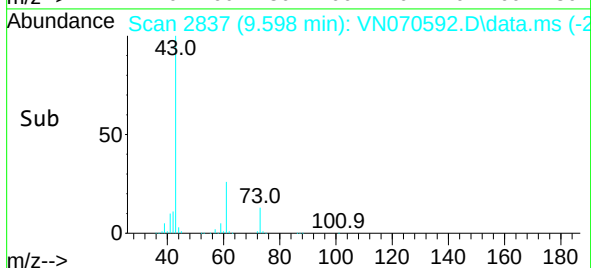
Tgt Ion: 41 Resp: 33899
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#

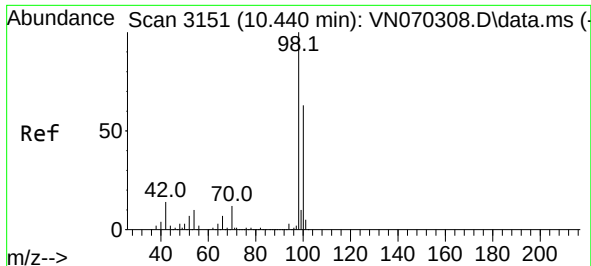


#49
1,4-Dioxane
Concen: 0.920 ug/l
RT: 9.598 min Scan# 2837
Delta R.T. 0.029 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42



Tgt Ion: 88 Resp: 179
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

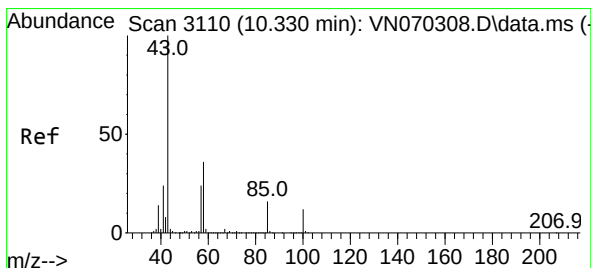
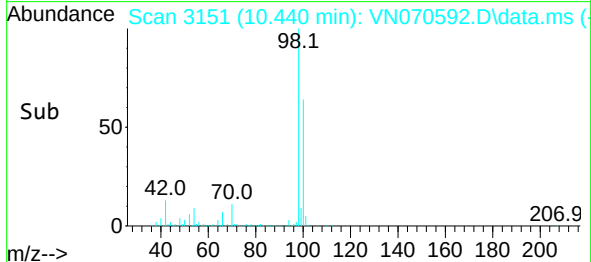
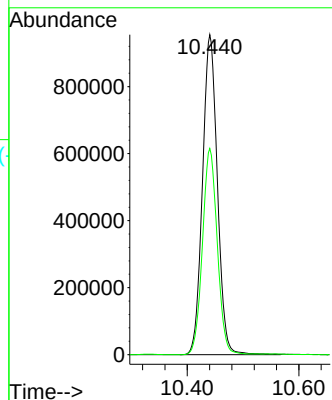
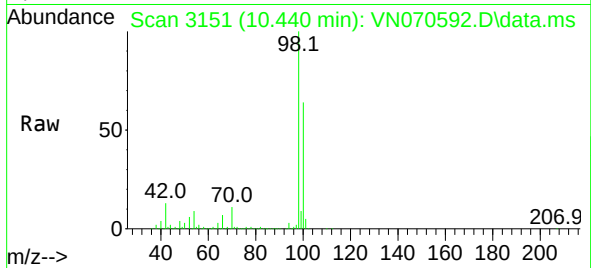




#50
Toluene-d8
Concen: 52.577 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

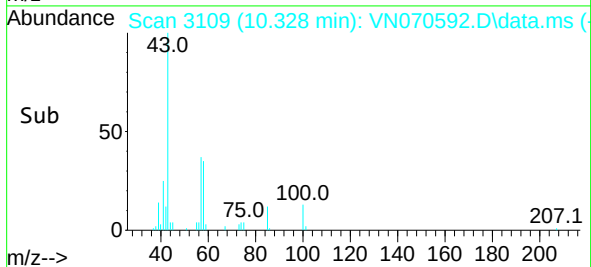
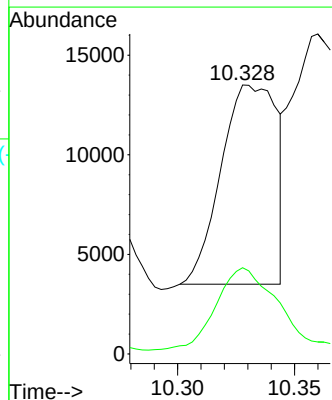
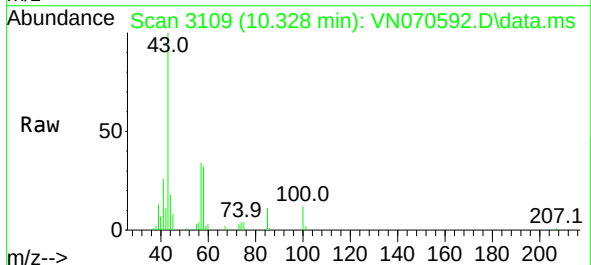
Instrument :
MSVOA_N
ClientSampleId :

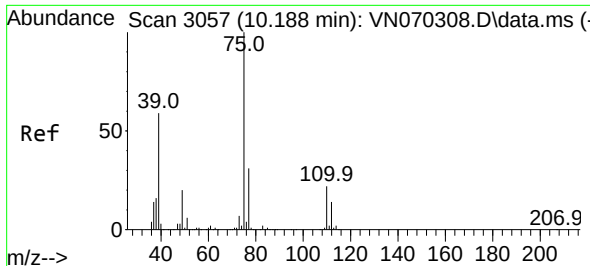
Tgt Ion: 98 Resp: 1769510
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.948 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion: 43 Resp: 16588
Ion Ratio Lower Upper
43 100
58 53.1 30.4 45.6#

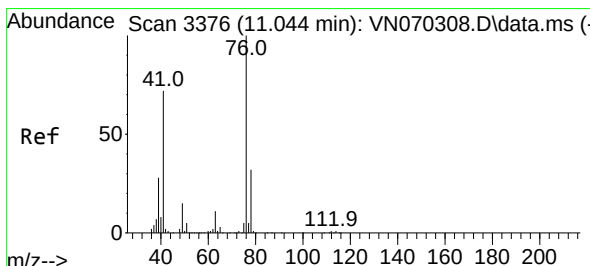
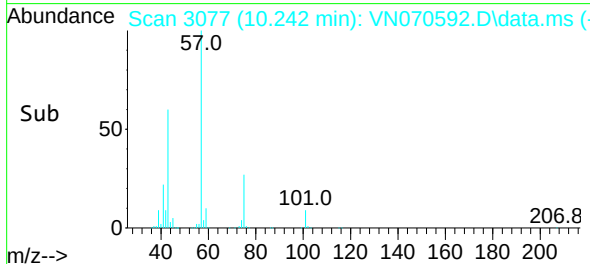
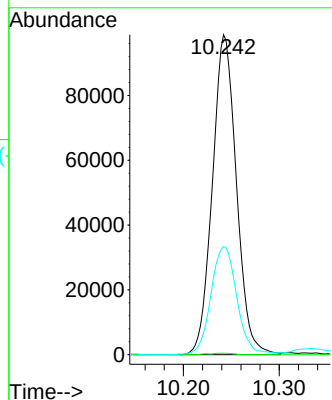
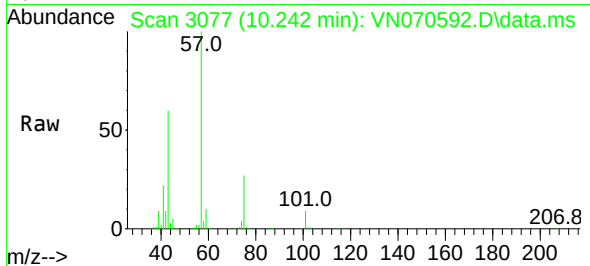




#54
 cis-1,3-Dichloropropene
 Concen: 10.551 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070592.D
 Acq: 12 Jan 2022 17:42

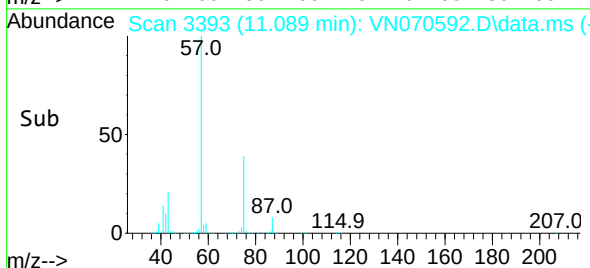
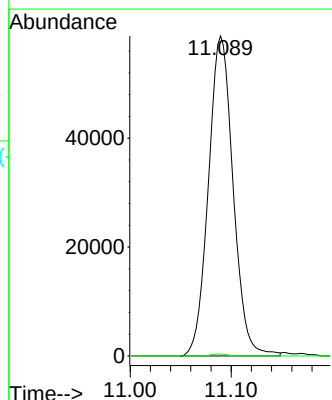
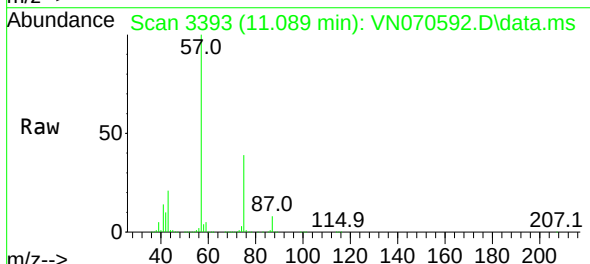
Instrument :
 MSVOA_N
 ClientSampleId :

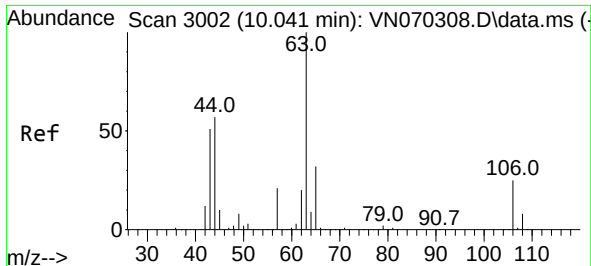
Tgt Ion: 75 Resp: 171625
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 33.6 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 5.646 ug/l
 RT: 11.089 min Scan# 3393
 Delta R.T. 0.045 min
 Lab File: VN070592.D
 Acq: 12 Jan 2022 17:42

Tgt Ion: 76 Resp: 99928
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

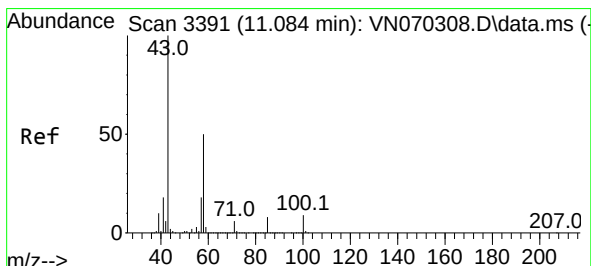
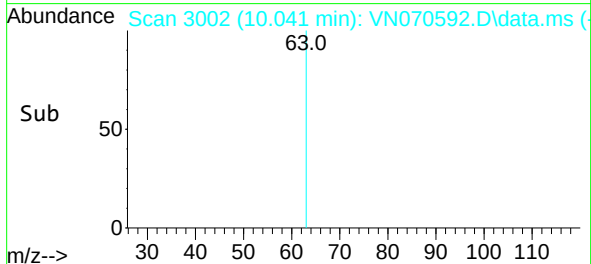
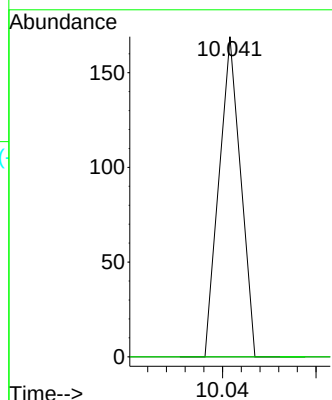
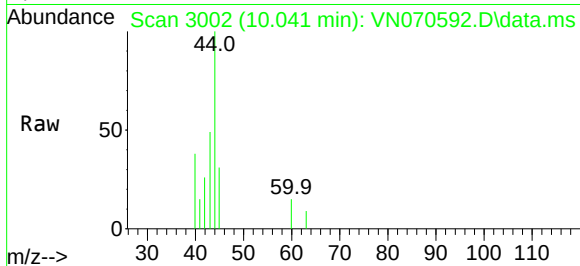




#58
2-Chloroethyl Vinyl ether
Concen: 18.519 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

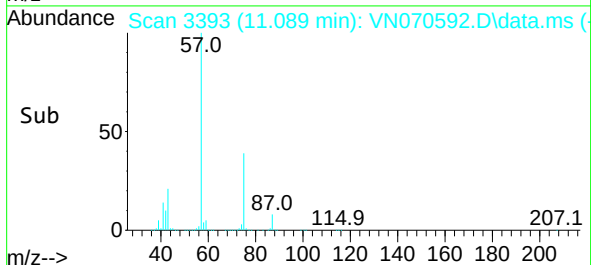
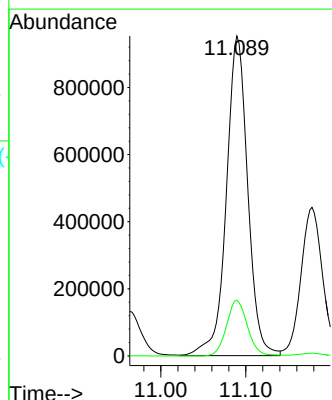
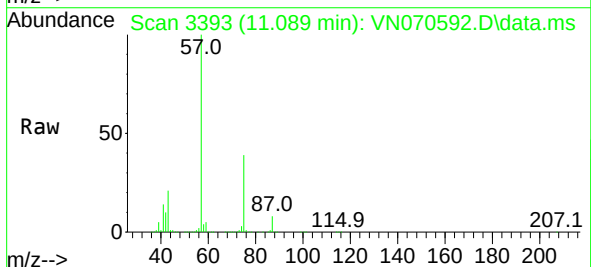
Instrument :
MSVOA_N
ClientSampleId :

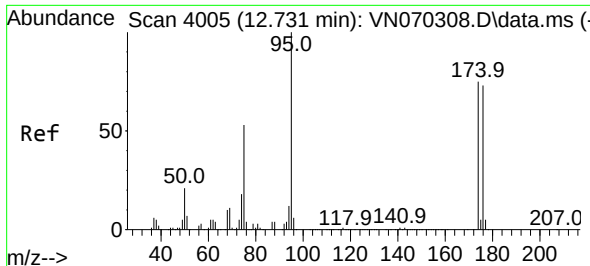
Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 130.705 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion: 43 Resp: 1668171
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#

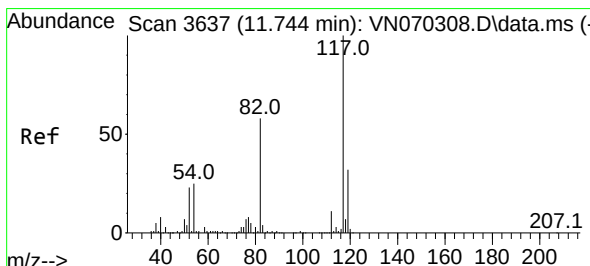
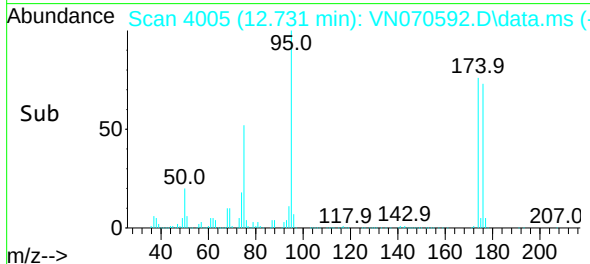
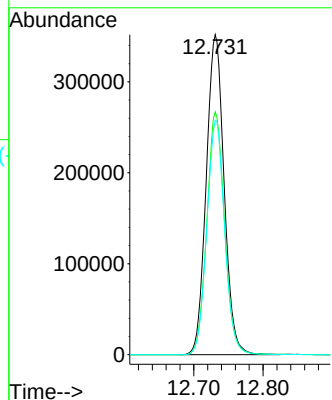
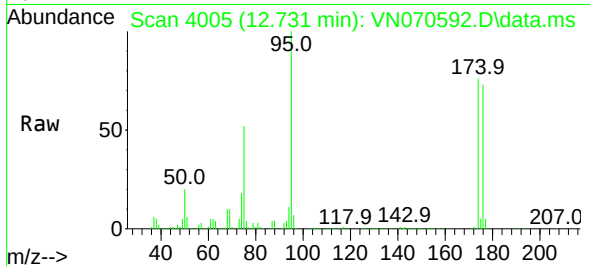




#62
4-Bromofluorobenzene
Concen: 51.901 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

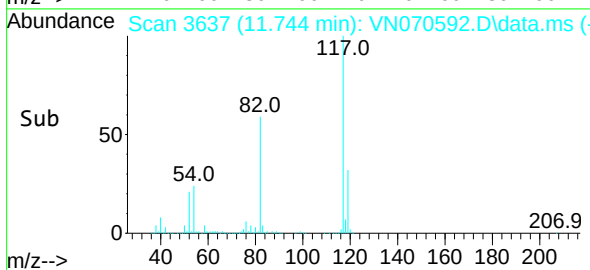
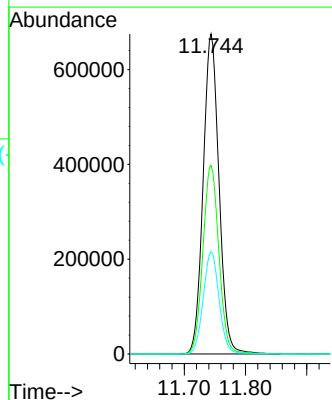
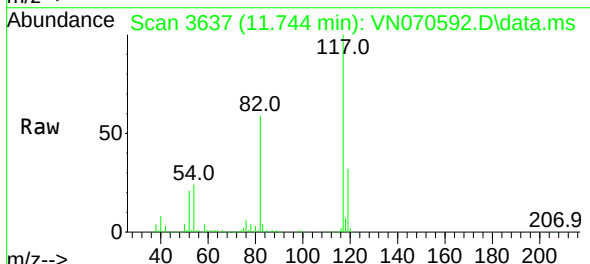
Instrument :
MSVOA_N
ClientSampleId :

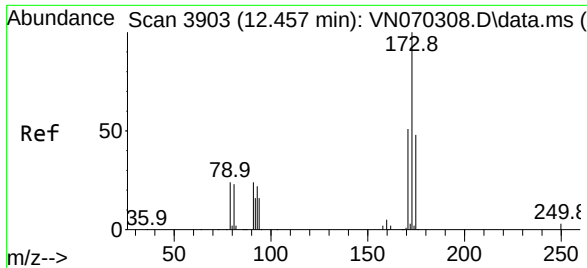
Tgt Ion: 95 Resp: 630894
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 73.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion: 117 Resp: 1214802
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.0 25.4 38.2

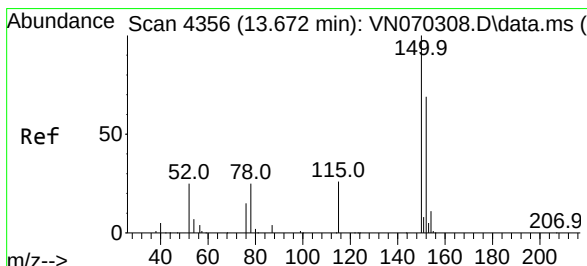
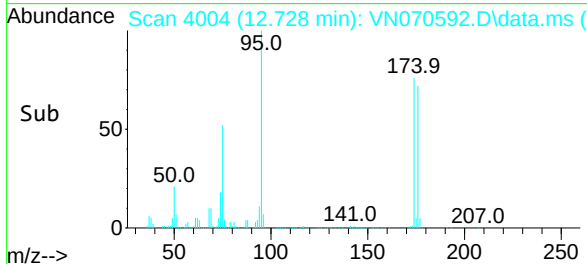
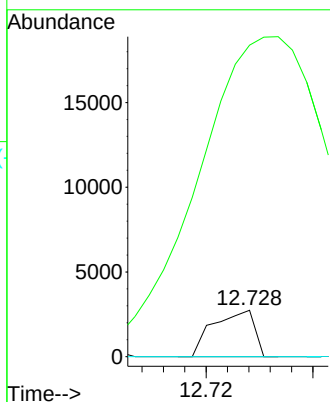
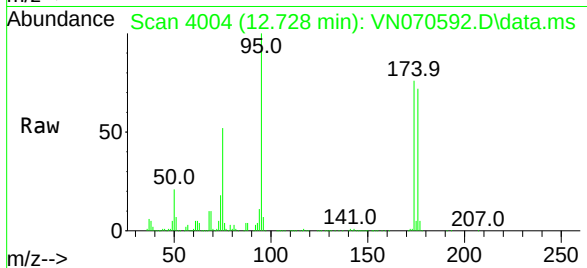




#71
Bromoform
Concen: 0.214 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.271 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

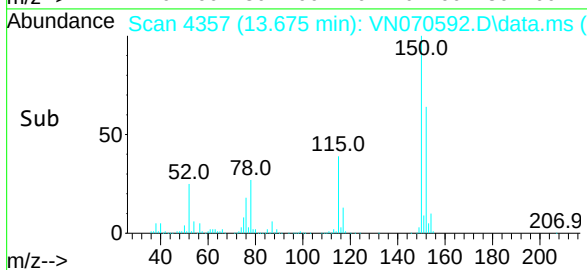
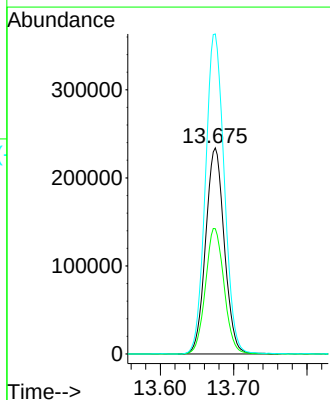
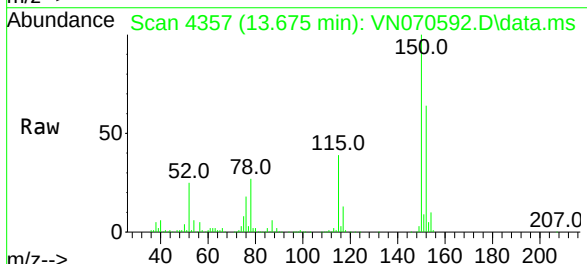
Instrument :
MSVOA_N
ClientSampleId :

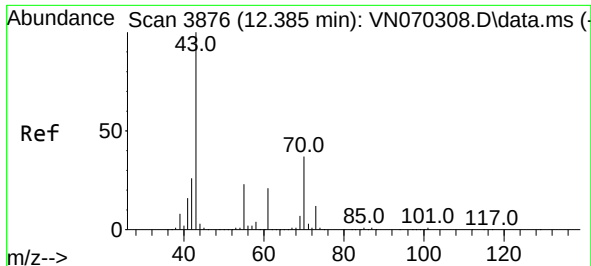
Tgt Ion:173 Resp: 1461
Ion Ratio Lower Upper
173 100
175 2168.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

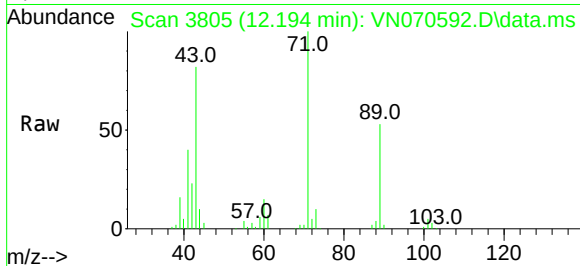
Tgt Ion:152 Resp: 414050
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 156.8 0.0 344.4



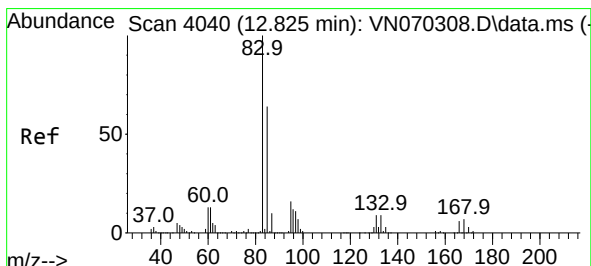
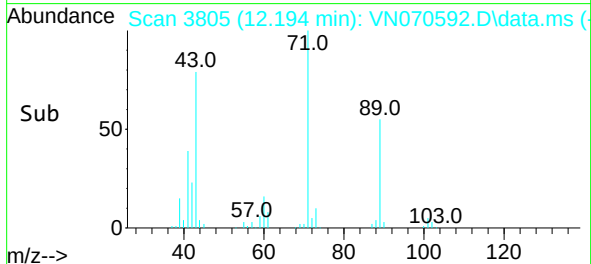
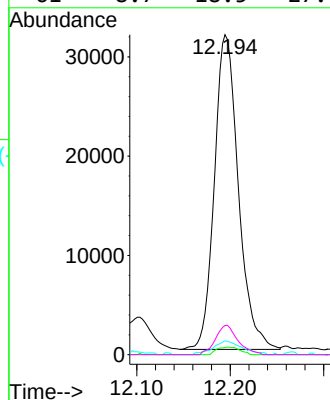


#74
N-ethyl acetate
Concen: 3.509 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :

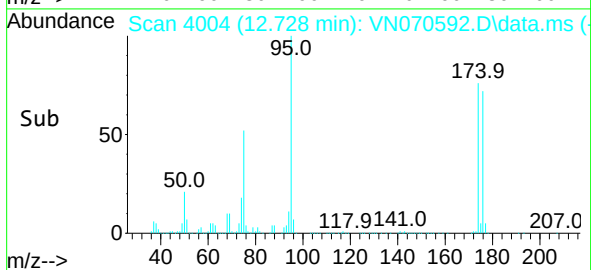
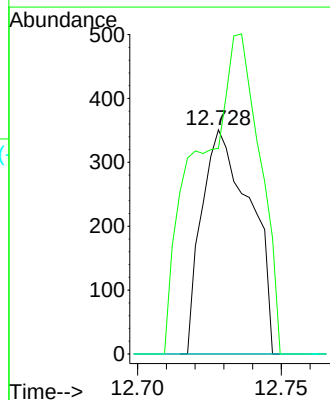
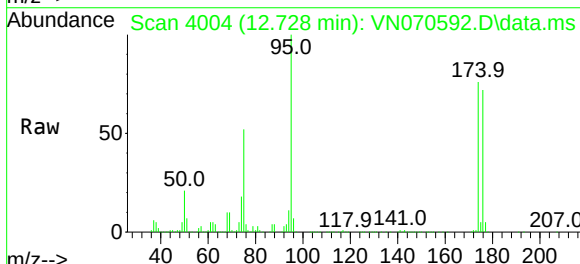


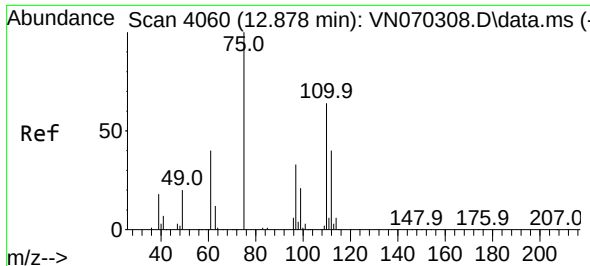
Tgt Ion: 43	Resp: 56731
Ion Ratio	Lower Upper
43 100	
70 2.3	33.4 50.0#
55 5.3	19.3 28.9#
61 8.7	18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.476 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.097 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion: 83	Resp: 413
Ion Ratio	Lower Upper
83 100	
131 179.4	5.5 16.5#
85 0.0	32.4 97.2#

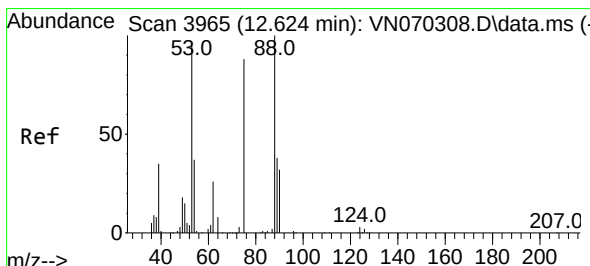
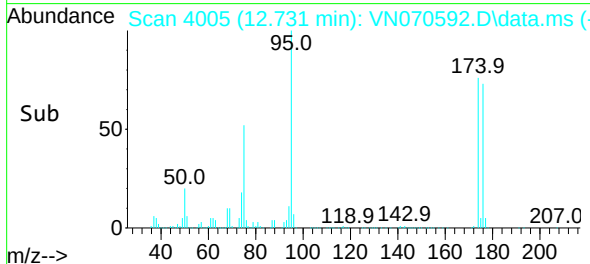
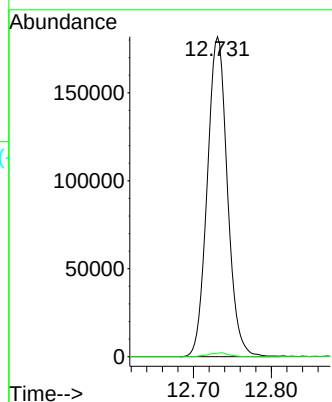
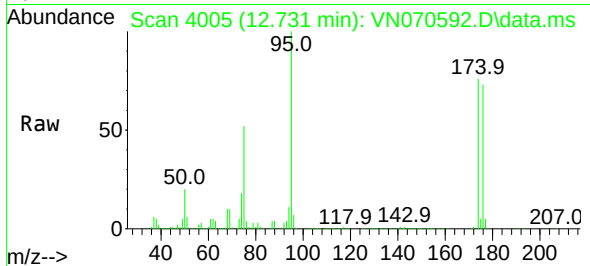




#76
1,2,3-Trichloropropane
Concen: 27.979 ug/l
RT: 12.731 min Scan# 4060
Delta R.T. -0.147 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

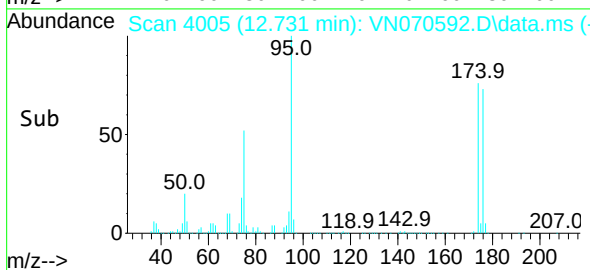
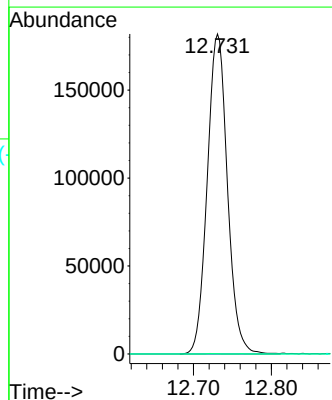
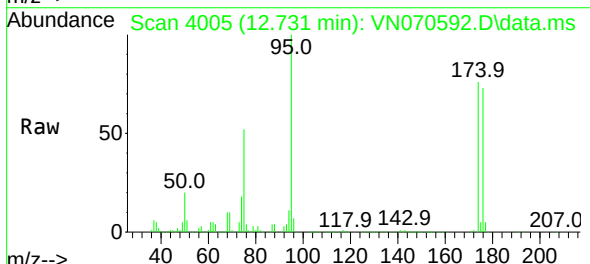
Instrument :
MSVOA_N
ClientSampleId :

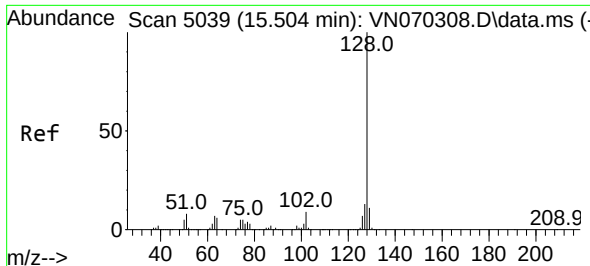
Tgt Ion: 75 Resp: 327356
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.595 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion: 75 Resp: 327356
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

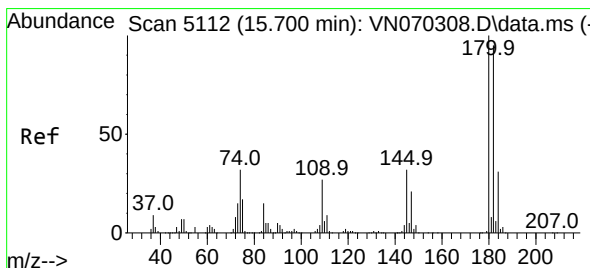
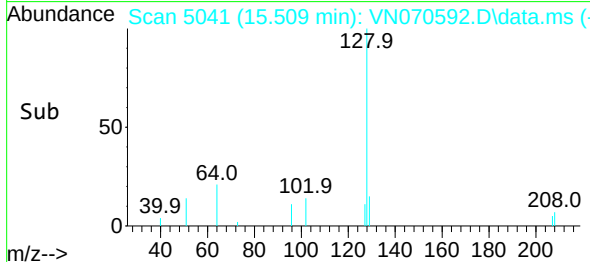
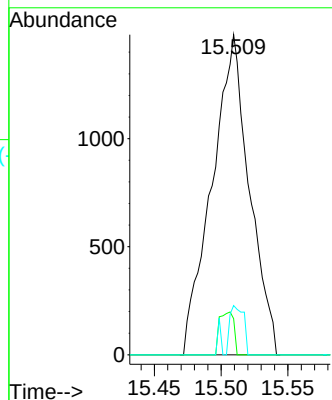
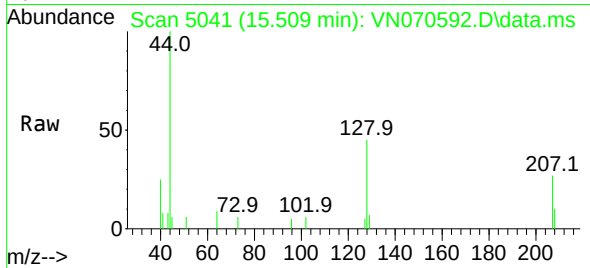




#95
Naphthalene
Concen: 1.945 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2892
Ion Ratio Lower Upper
128 100
127 5.1 10.5 15.7#
129 5.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.884 ug/l
RT: 15.686 min Scan# 5107
Delta R.T. -0.014 min
Lab File: VN070592.D
Acq: 12 Jan 2022 17:42

Tgt Ion:180 Resp: 387
Ion Ratio Lower Upper
180 100
182 14.0 47.4 142.2#
145 0.0 15.0 45.1#

