

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012022\
 Data File : VN070720.D
 Acq On : 20 Jan 2022 15:12
 Operator : JC/MD
 Sample : N1188-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 72-11940

Quant Time: Jan 21 02:14:26 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)

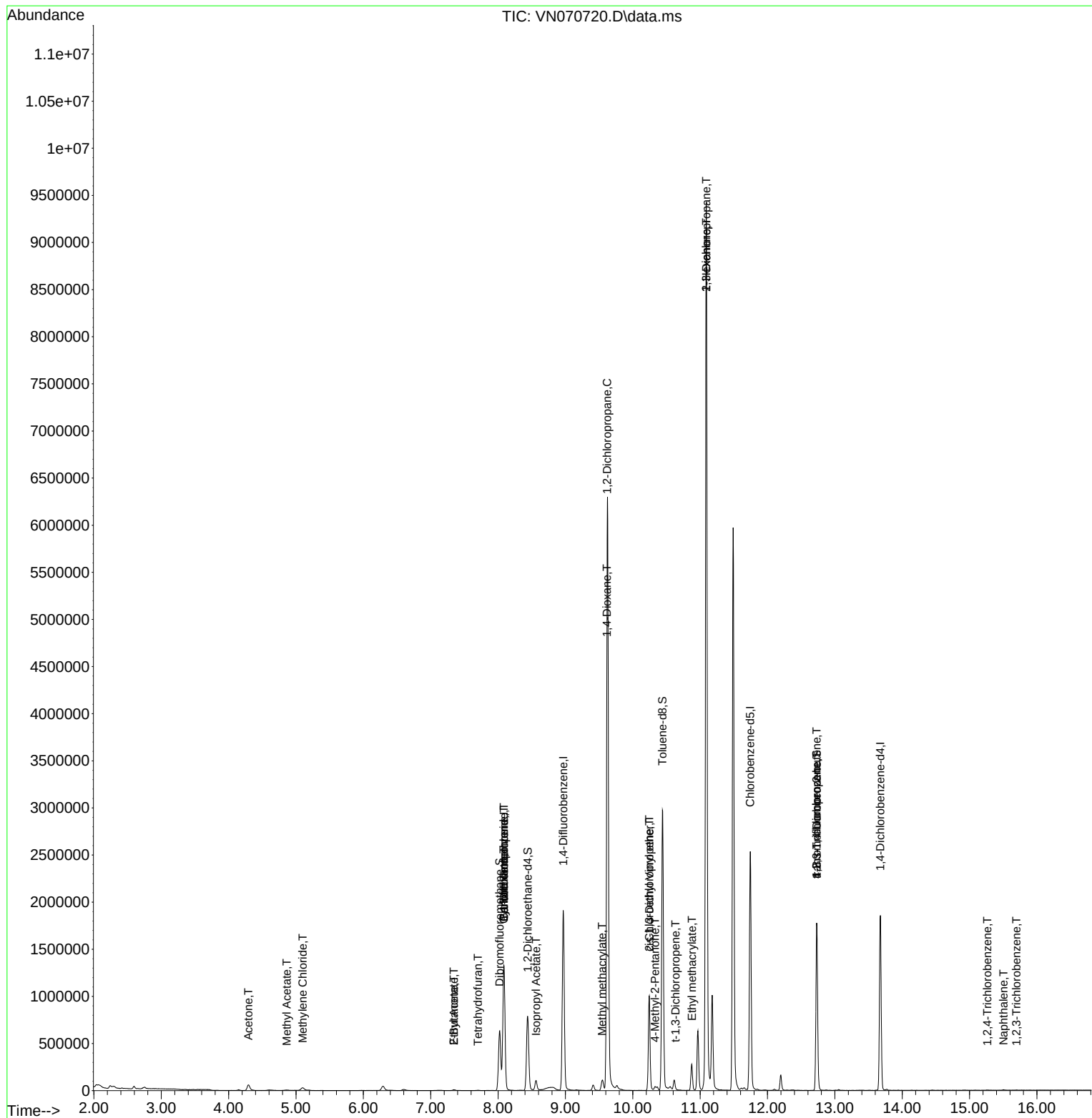
Internal Standards						
1) Pentafluorobenzene	8.088	168	1007744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1620706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1451498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	499240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	684698	47.408	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.820%		
35) Dibromofluoromethane	8.024	113	471160	46.866	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.740%		
50) Toluene-d8	10.440	98	2052975	48.474	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.940%		
62) 4-Bromofluorobenzene	12.731	95	645958	42.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.600%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	113429	11.316	ug/l	100
18) Methyl Acetate	4.862	43	9194	0.466	ug/l #	53
20) Methylene Chloride	5.098	84	20069	1.520	ug/l	90
25) 2-Butanone	7.343	43	15199	1.205	ug/l	95
29) Tetrahydrofuran	7.699	42	1554	0.201	ug/l	94
30) Chloroform	8.072	83	56	Below Cal	#	18
31) Cyclohexane	8.083	56	22390	0.880	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	83962	4.961	ug/l #	48
37) Ethyl Acetate	7.343	43	15199	0.676	ug/l #	68
38) Carbon Tetrachloride	8.088	117	100890	6.701	ug/l #	17
43) Isopropyl Acetate	8.563	43	124103	3.616	ug/l #	87
45) 1,2-Dichloropropane	9.620	63	7471	0.524	ug/l #	44
48) Methyl methacrylate	9.545	41	34614	2.117	ug/l #	8
49) 1,4-Dioxane	9.614	88	394	1.604	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	21575	0.985	ug/l #	83
53) t-1,3-Dichloropropene	10.633	75	63	2.407	ug/l #	1
54) cis-1,3-Dichloropropene	10.245	75	172167	8.465	ug/l #	61
56) Ethyl methacrylate	10.877	69	1238	2.352	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	97056	4.449	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.245	63	28	21.241	ug/l #	45
59) 2-Hexanone	11.089	43	1616785	101.629	ug/l #	49
76) 1,2,3-Trichloropropane	12.731	75	341792	25.813	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	341792	76.901	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1042	3.530	ug/l #	62
95) Naphthalene	15.504	128	5296	5.133	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.697	180	624	3.282	ug/l #	55

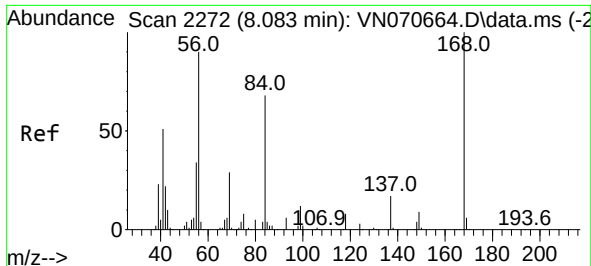
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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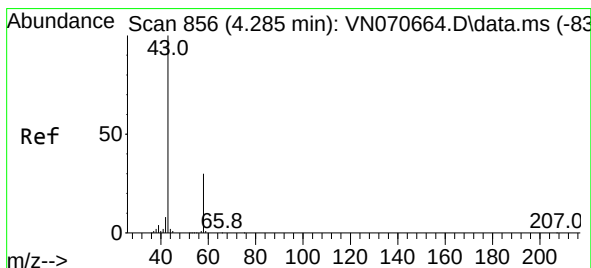
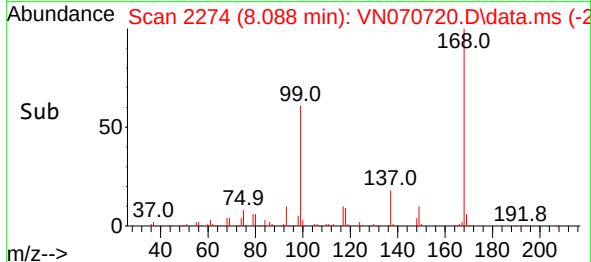
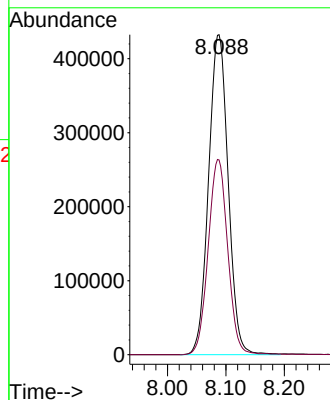
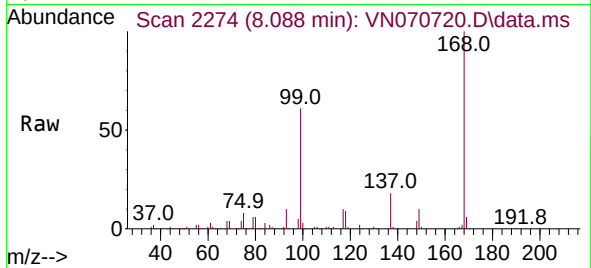




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

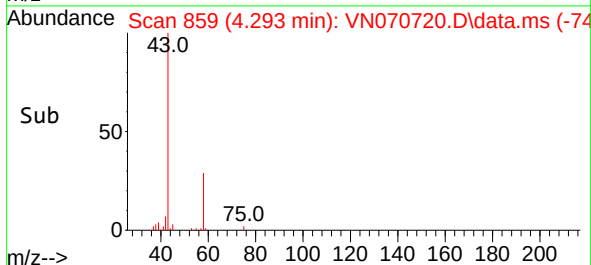
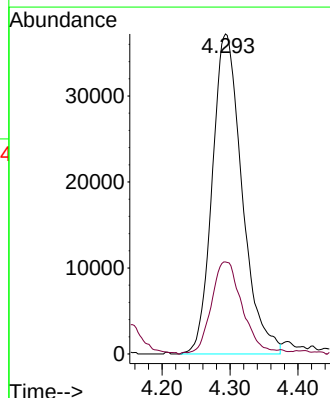
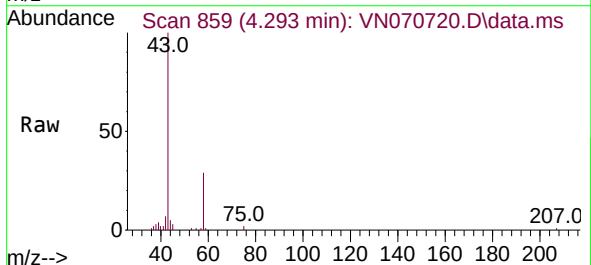
Instrument :
MSVOA_N
ClientSampleId :
72-11940

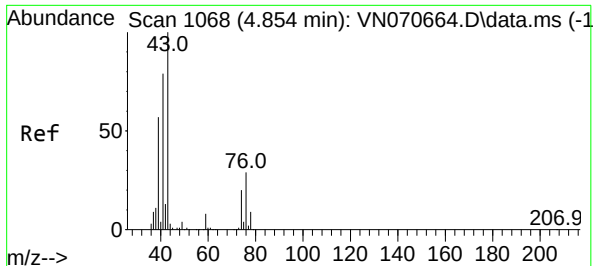
Tgt Ion:168 Resp: 1007744
Ion Ratio Lower Upper
168 100
99 60.9 41.3 61.9



#16
Acetone
Concen: 11.316 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 43 Resp: 113429
Ion Ratio Lower Upper
43 100
58 28.8 23.1 34.7





#18

Methyl Acetate

Concen: 0.466 ug/l

RT: 4.862 min Scan# 110

Delta R.T. 0.008 min

Lab File: VN070720.D

Acq: 20 Jan 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

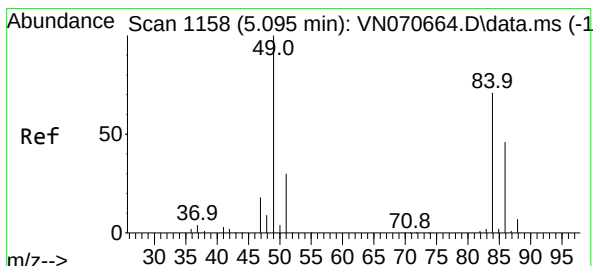
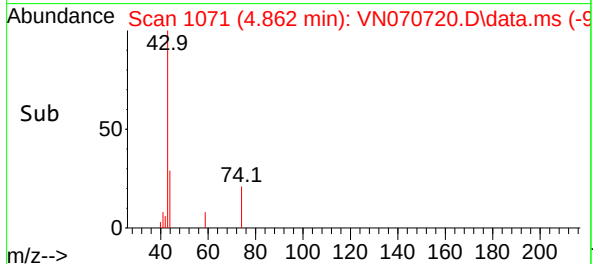
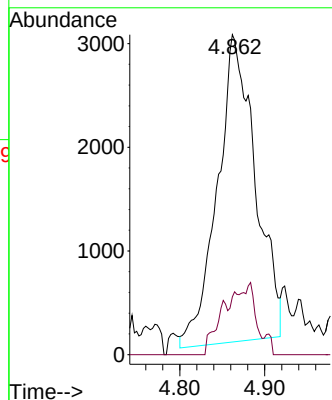
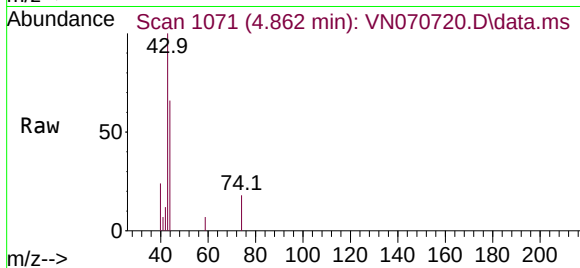
72-11940

Tgt Ion: 43 Resp: 9194

Ion Ratio Lower Upper

43 100

74 1.0 19.4 29.2#



#20

Methylene Chloride

Concen: 1.520 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VN070720.D

Acq: 20 Jan 2022 15:12

Tgt Ion: 84 Resp: 20069

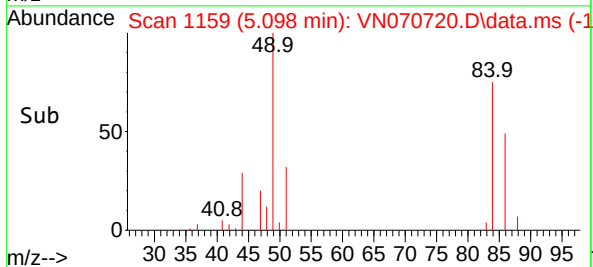
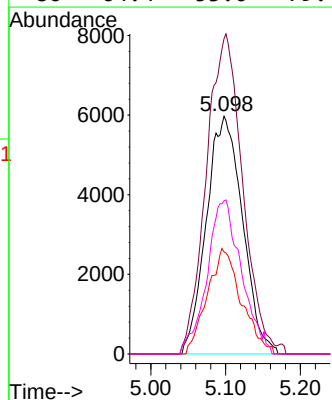
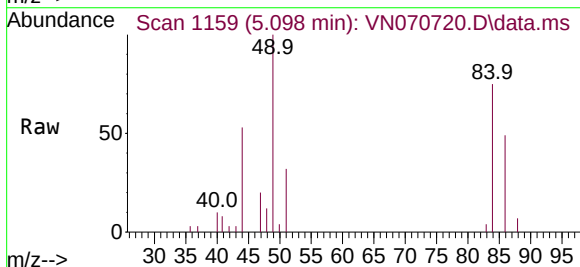
Ion Ratio Lower Upper

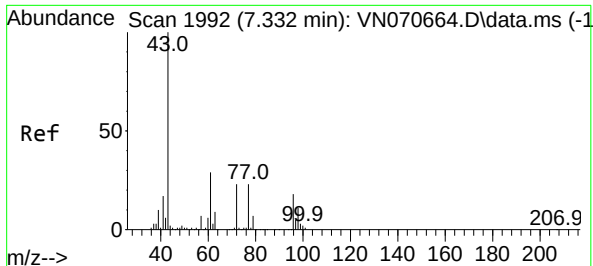
84 100

49 132.7 93.5 140.3

51 43.0 29.4 44.2

86 64.4 53.0 79.4

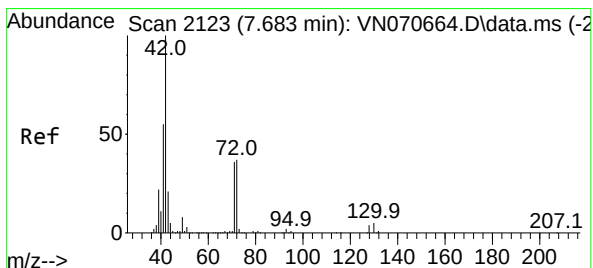
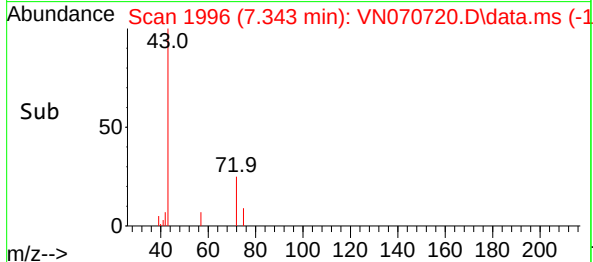
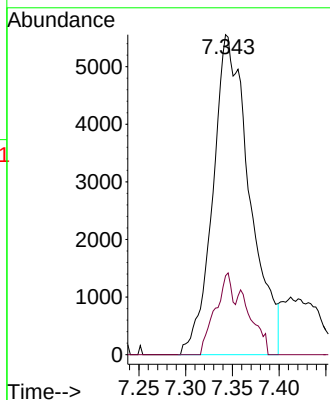
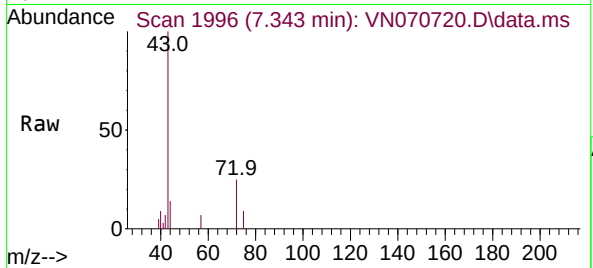




#25
2-Butanone
Concen: 1.205 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

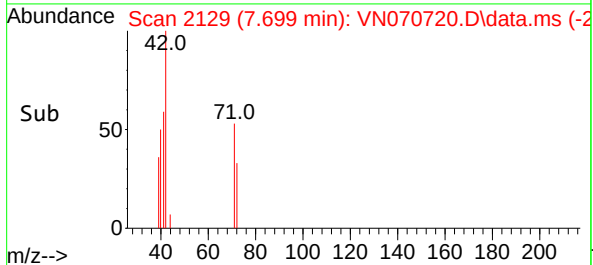
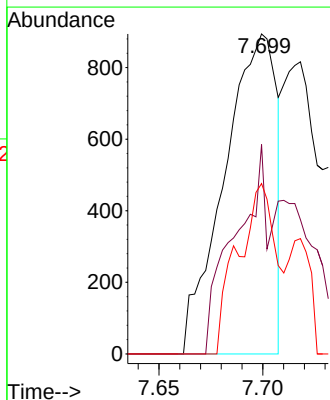
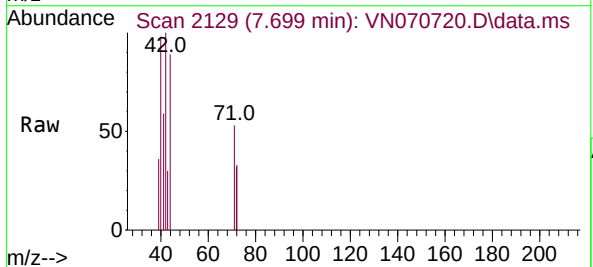
Instrument :
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72-11940

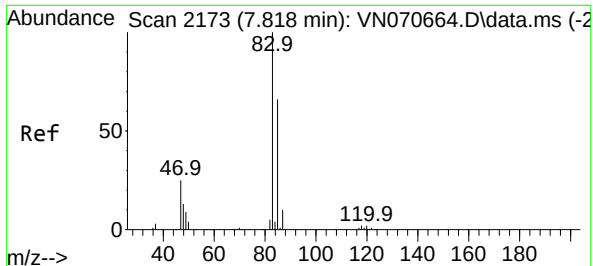
Tgt Ion: 43 Resp: 15199
Ion Ratio Lower Upper
43 100
72 24.6 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.201 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 42 Resp: 1554
Ion Ratio Lower Upper
42 100
72 42.2 36.3 54.5
71 39.3 34.7 52.1





#30

Chloroform

Concen: Below Cal

RT: 8.072 min Scan# 21

Delta R.T. 0.254 min

Lab File: VN070720.D

Acq: 20 Jan 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

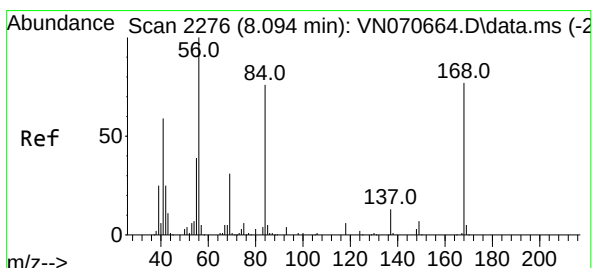
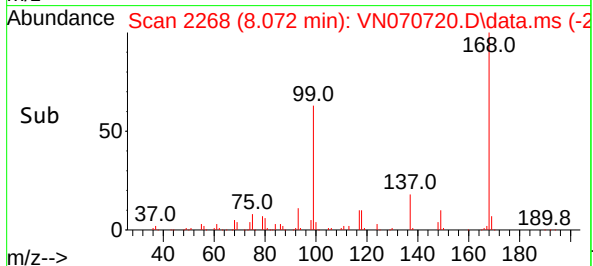
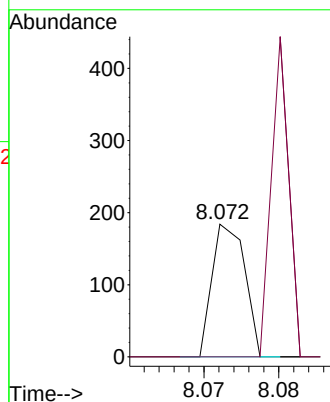
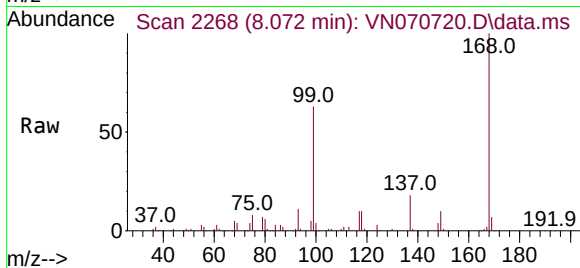
72-11940

Tgt Ion: 83 Resp: 56

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#



#31

Cyclohexane

Concen: 0.880 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070720.D

Acq: 20 Jan 2022 15:12

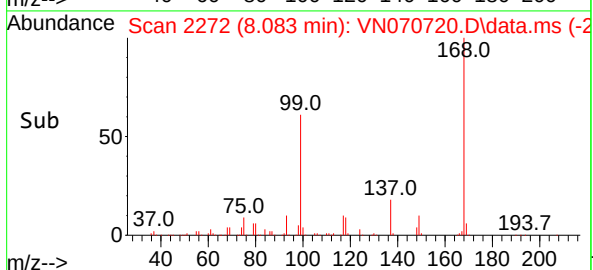
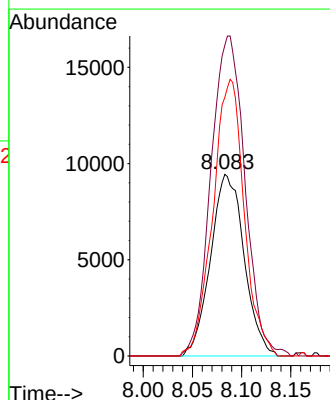
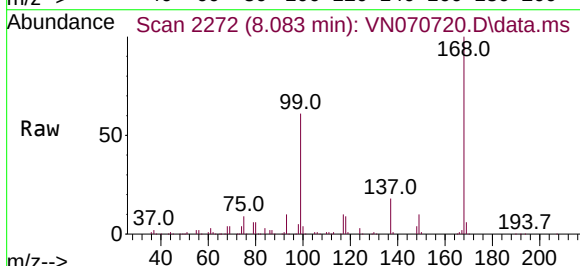
Tgt Ion: 56 Resp: 22390

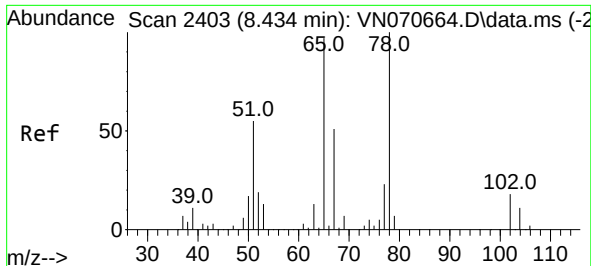
Ion Ratio Lower Upper

56 100

69 171.0 27.1 40.7#

84 142.5 73.4 110.0#

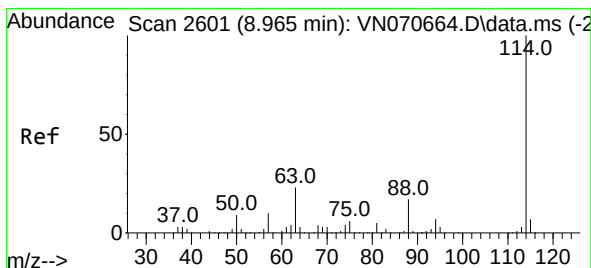
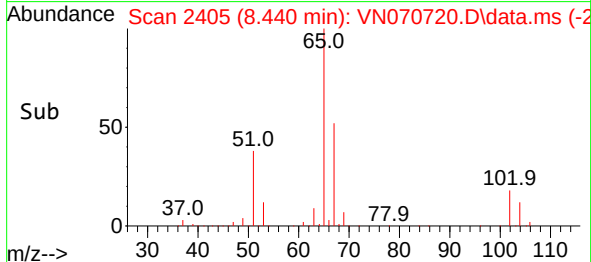
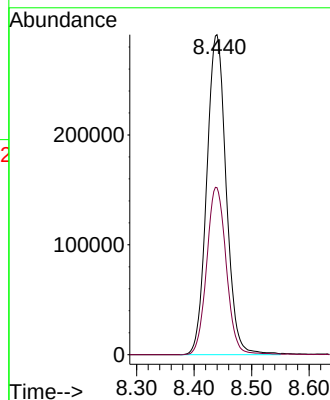
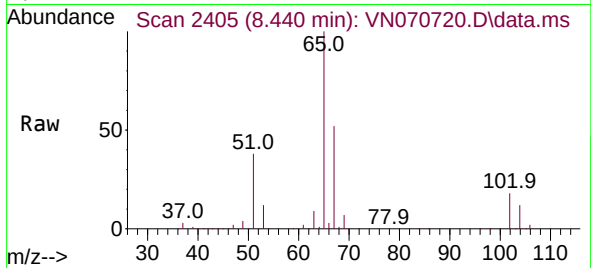




#33
 1,2-Dichloroethane-d4
 Concen: 47.408 ug/l
 RT: 8.440 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VN070720.D
 Acq: 20 Jan 2022 15:12

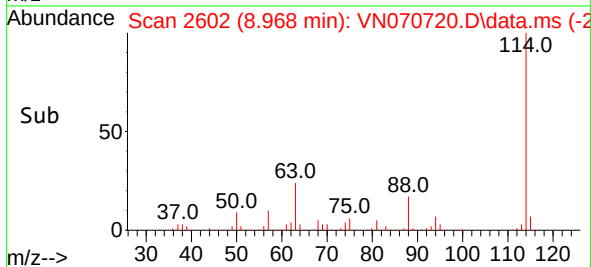
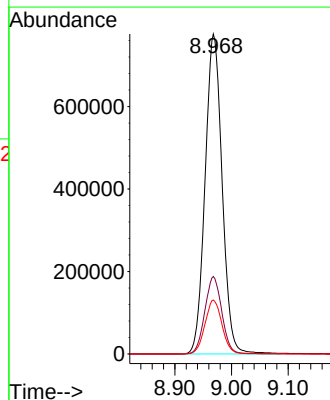
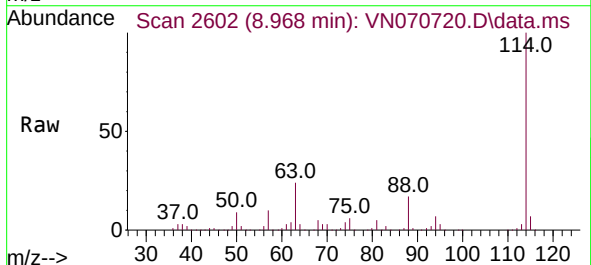
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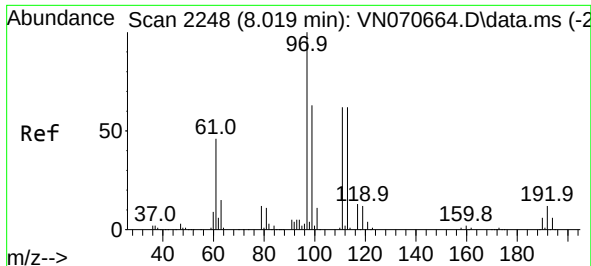
Tgt Ion: 65 Resp: 684698
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070720.D
 Acq: 20 Jan 2022 15:12

Tgt Ion: 114 Resp: 1620706
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 37.8
 88 16.8 0.0 27.4

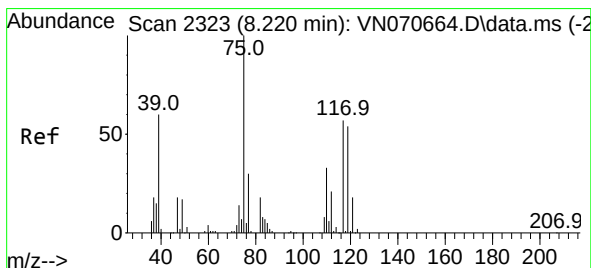
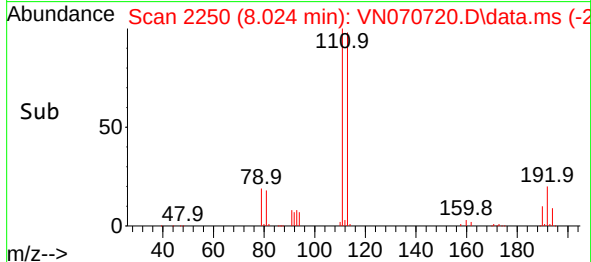
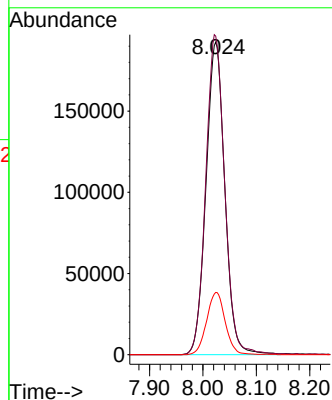
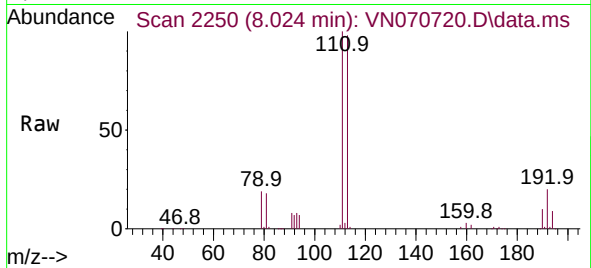




#35
Dibromofluoromethane
Concen: 46.866 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.005 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

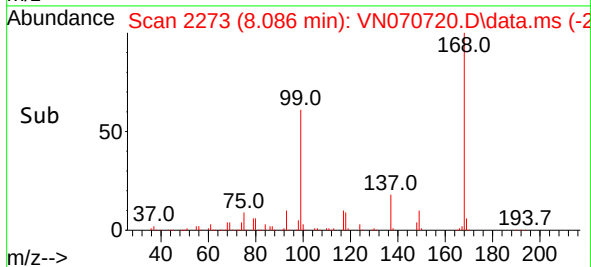
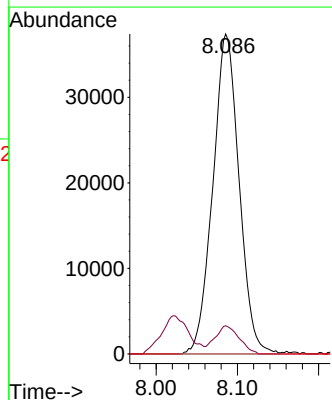
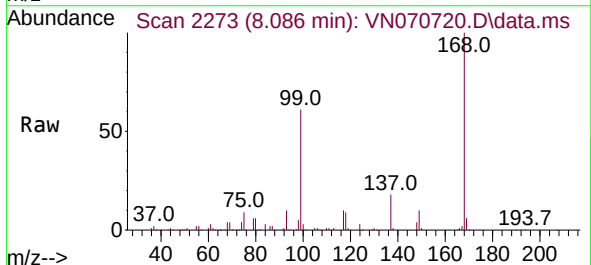
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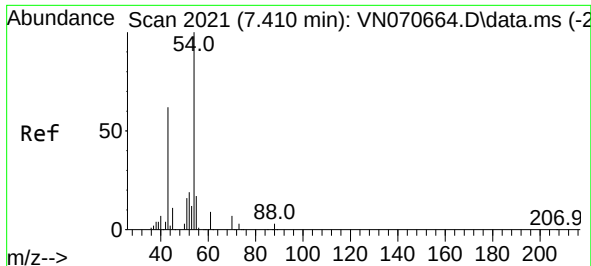
Tgt Ion:113 Resp: 471160
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.961 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 75 Resp: 83962
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.676 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. -0.067 min

Lab File: VN070720.D

Acq: 20 Jan 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

72-11940

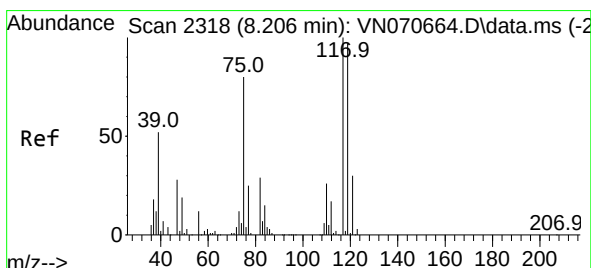
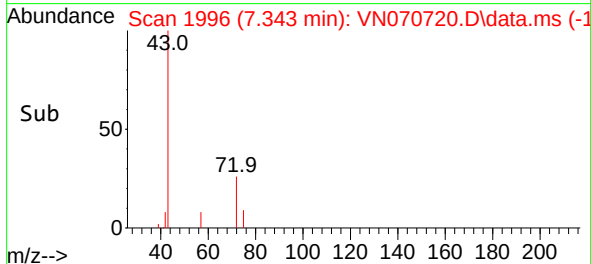
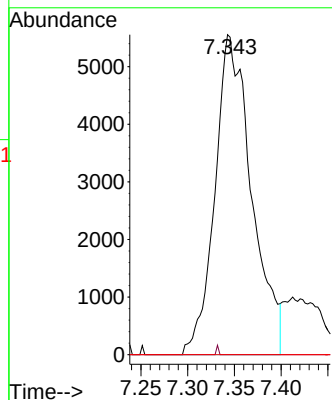
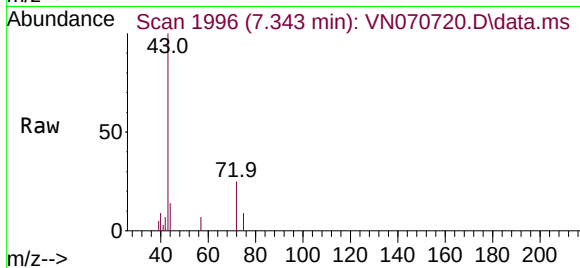
Tgt Ion: 43 Resp: 15199

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.701 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.118 min

Lab File: VN070720.D

Acq: 20 Jan 2022 15:12

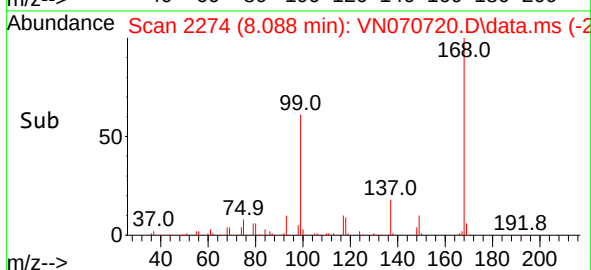
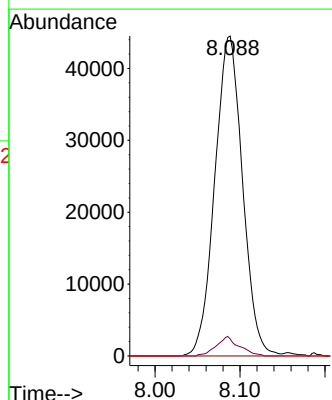
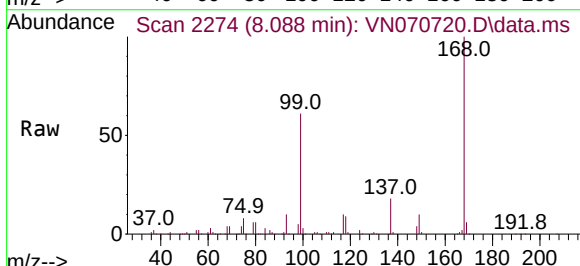
Tgt Ion: 117 Resp: 100890

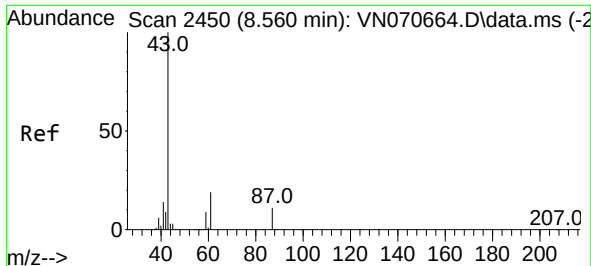
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.2 36.2#

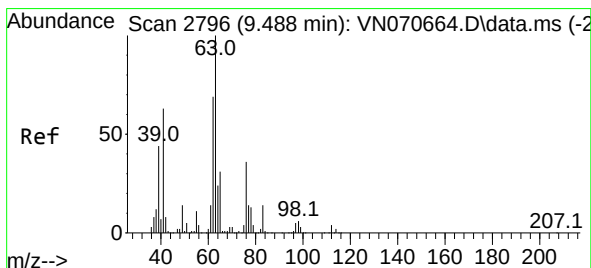
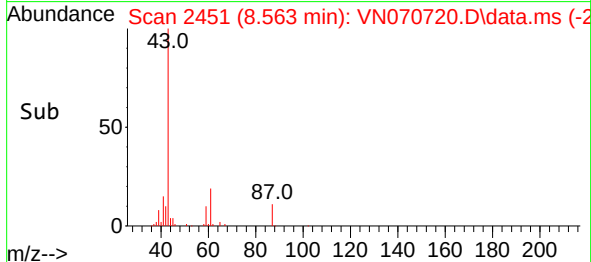
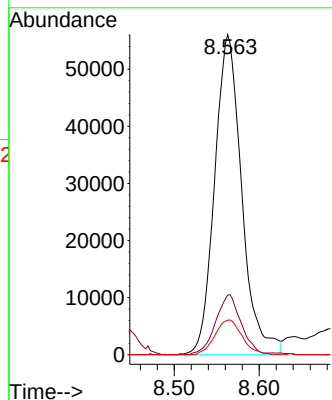
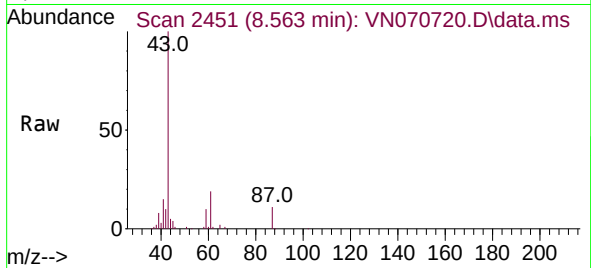




#43
Isopropyl Acetate
Concen: 3.616 ug/l
RT: 8.563 min Scan# 2450
Delta R.T. 0.003 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

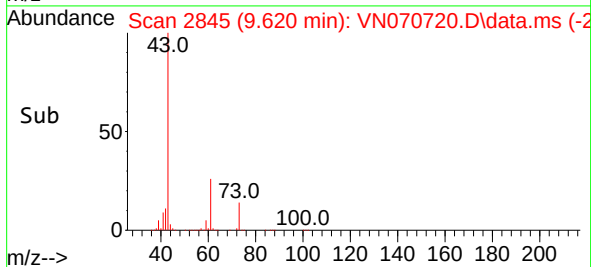
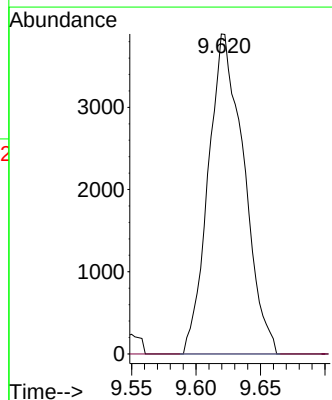
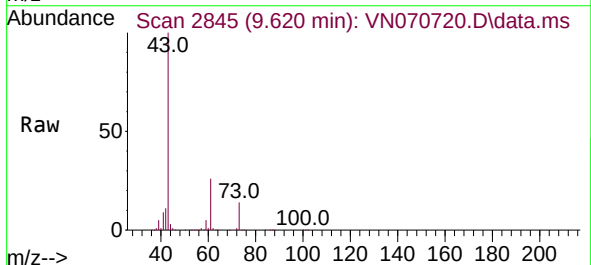
Instrument :
MSVOA_N
ClientSampleId :
72-11940

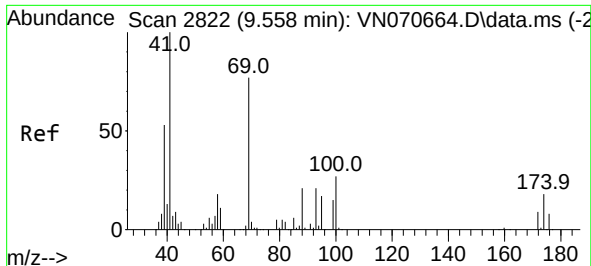
Tgt Ion: 43 Resp: 124103
Ion Ratio Lower Upper
43 100
61 17.6 20.4 30.6#
87 10.9 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.524 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.132 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 63 Resp: 7471
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

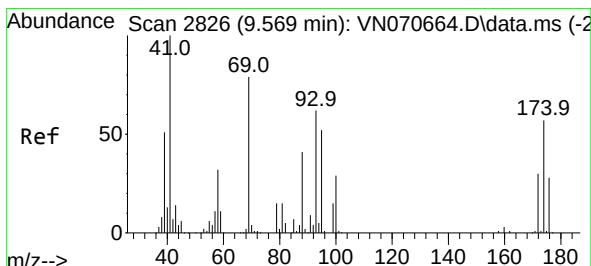
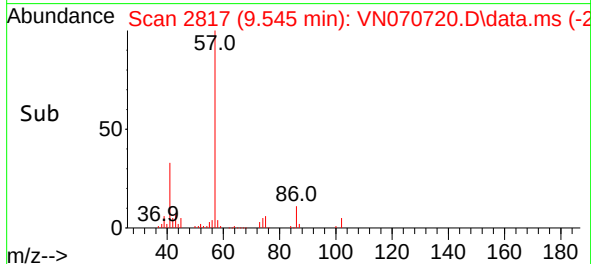
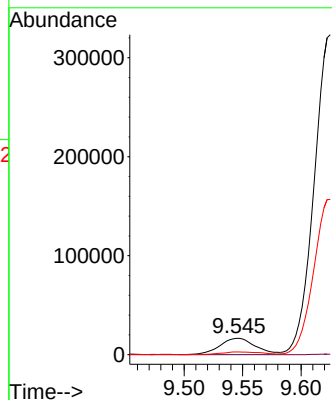
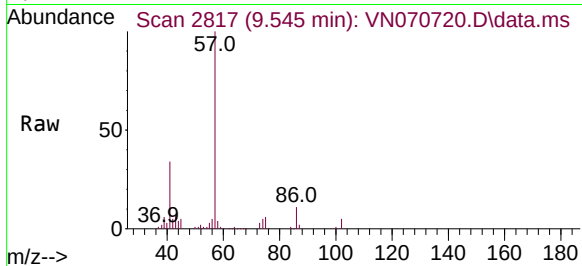




#48
Methyl methacrylate
Concen: 2.117 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.013 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

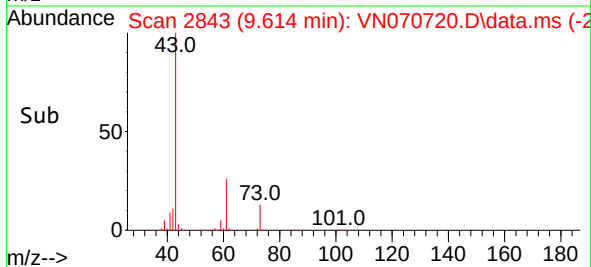
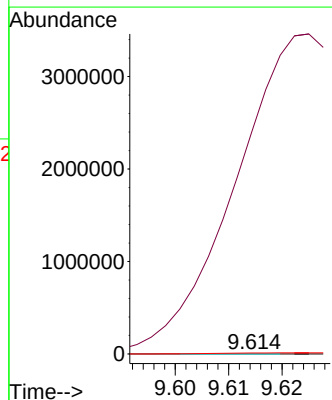
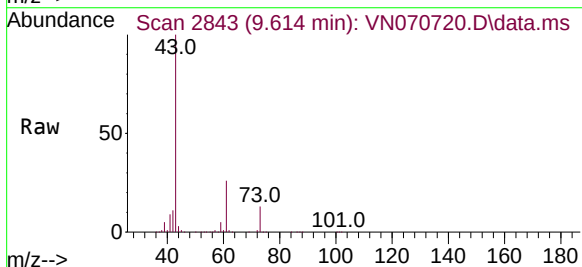
Instrument :
MSVOA_N
ClientSampleId :
72-11940

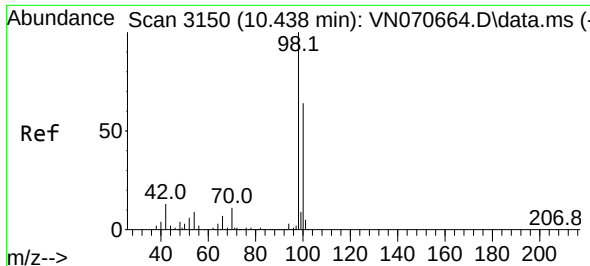
Tgt Ion: 41 Resp: 34614
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 1.604 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.045 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 88 Resp: 394
Ion Ratio Lower Upper
88 100
43 1660716.8 23.4 35.2#
58 6371.3 50.6 75.8#

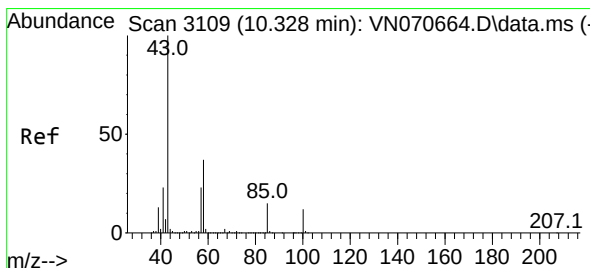
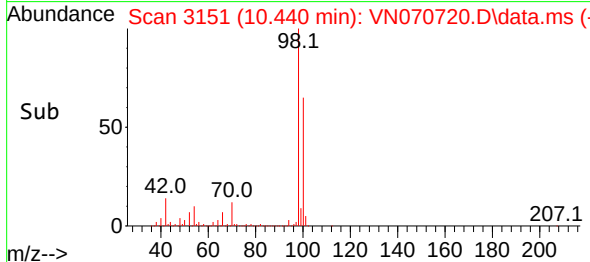
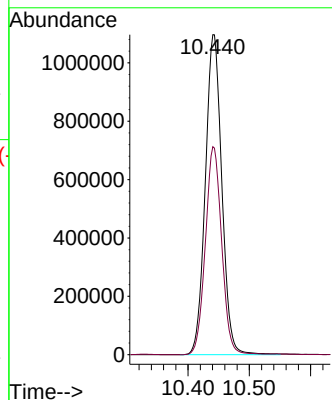
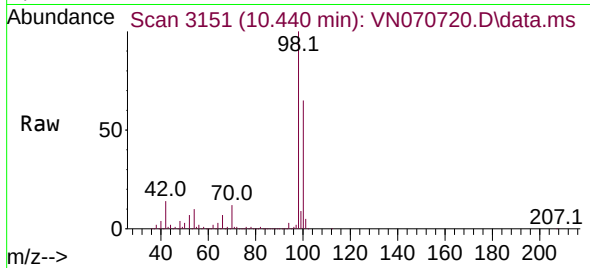




#50
Toluene-d8
Concen: 48.474 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

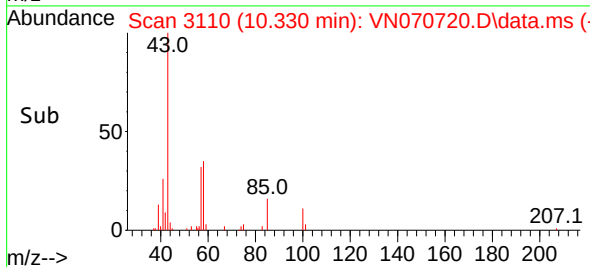
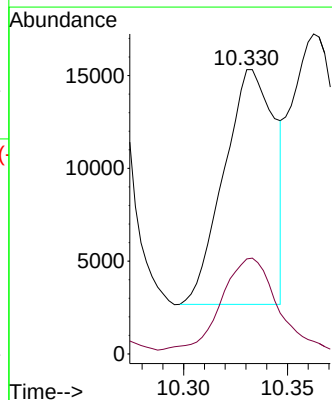
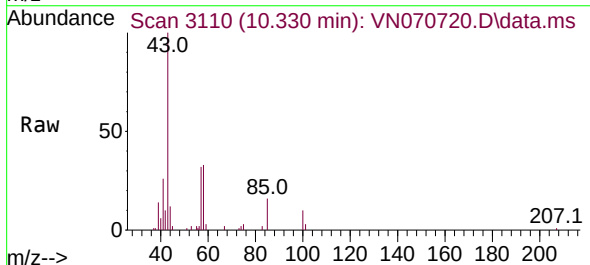
Instrument :
MSVOA_N
ClientSampleId :
72-11940

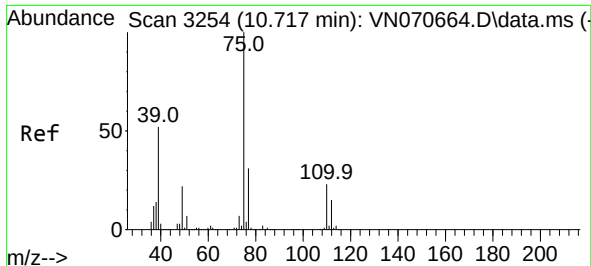
Tgt Ion: 98 Resp: 2052975
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.985 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 43 Resp: 21575
Ion Ratio Lower Upper
43 100
58 48.1 30.4 45.6#

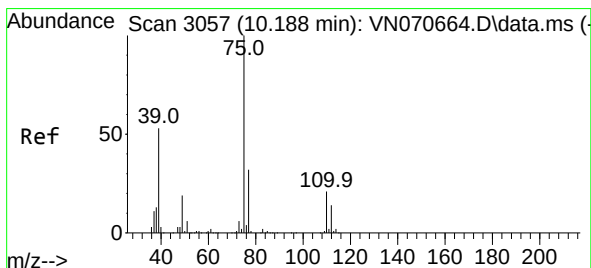
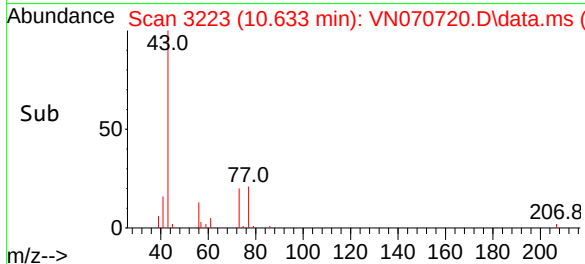
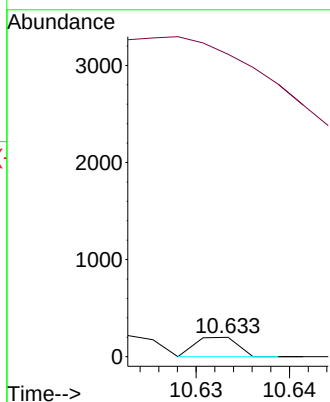
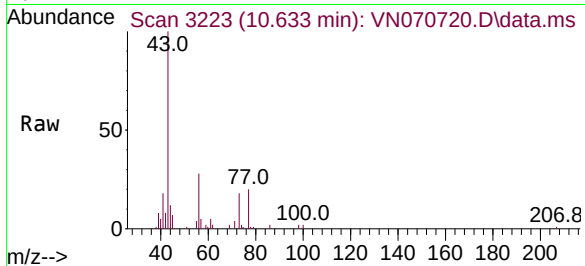




#53
t-1,3-Dichloropropene
Concen: 2.407 ug/l
RT: 10.633 min Scan# 31
Delta R.T. -0.084 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

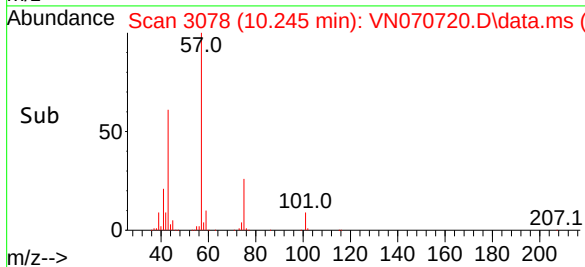
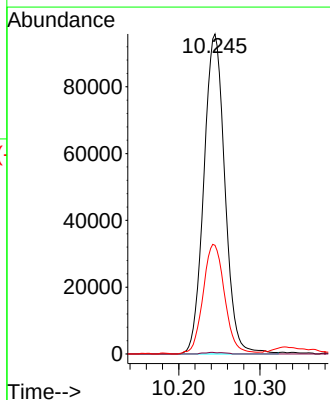
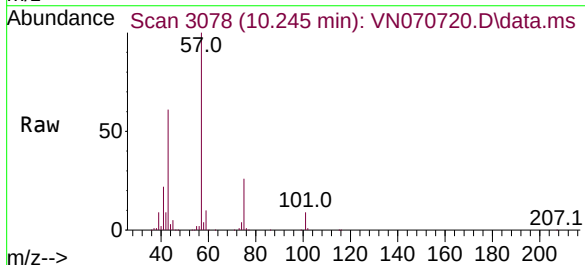
Instrument :
MSVOA_N
ClientSampleId :
72-11940

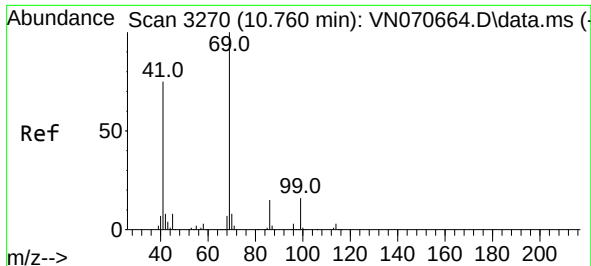
Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
77 154.3 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.465 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.057 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 75 Resp: 172167
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 34.0 42.5 63.7#

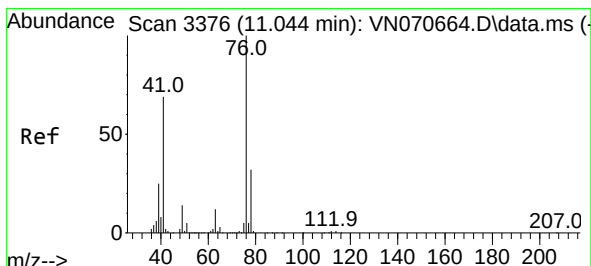
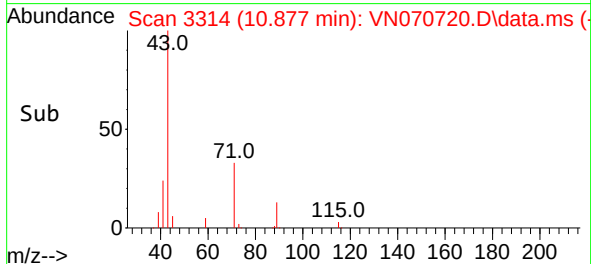
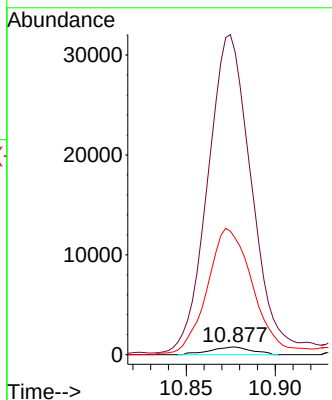
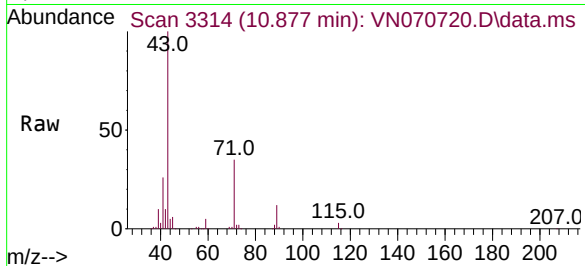




#56
Ethyl methacrylate
Concen: 2.352 ug/l
RT: 10.877 min Scan# 31
Delta R.T. 0.117 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

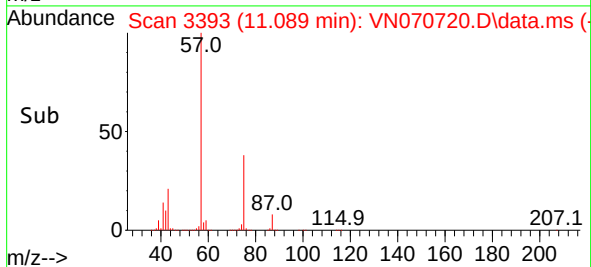
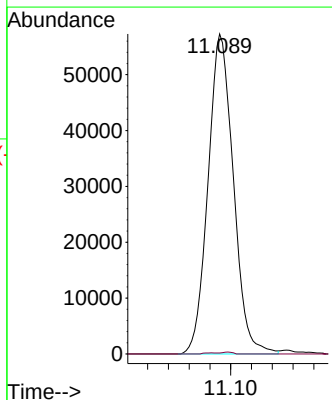
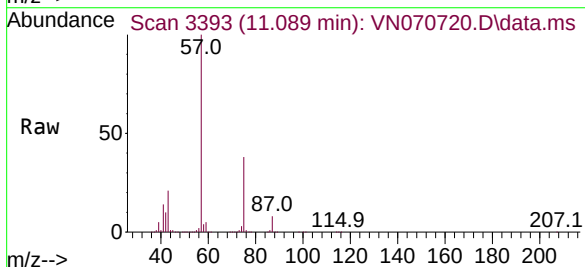
Instrument :
MSVOA_N
ClientSampleId :
72-11940

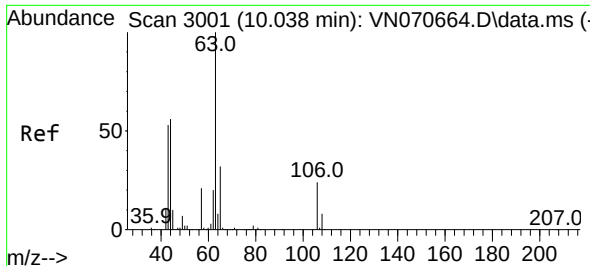
Tgt Ion: 69 Resp: 1238
Ion Ratio Lower Upper
69 100
41 4419.0 51.4 77.0#
39 1847.3 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.449 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 76 Resp: 97056
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

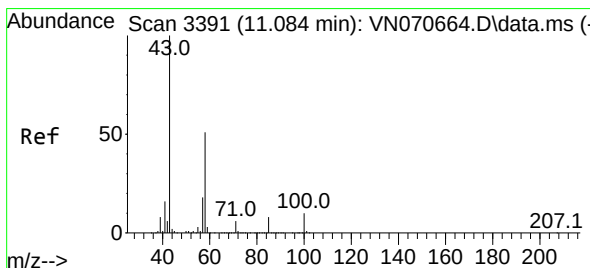
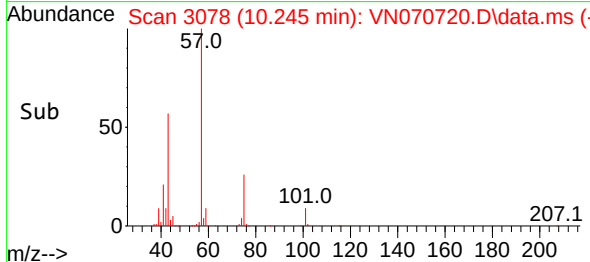
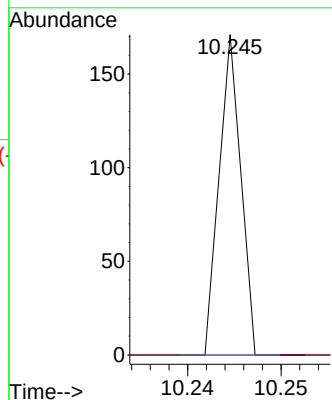
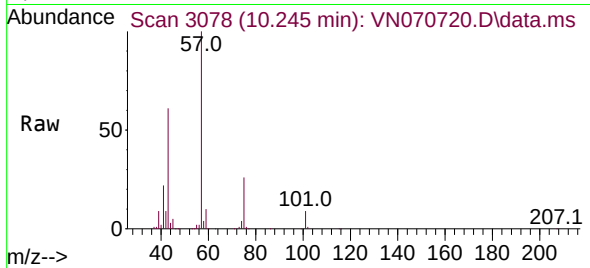




#58
2-Chloroethyl Vinyl ether
Concen: 21.241 ug/l
RT: 10.245 min Scan# 3001
Delta R.T. 0.207 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

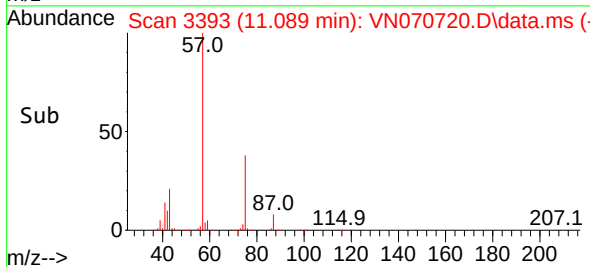
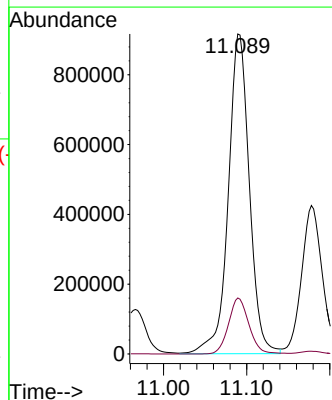
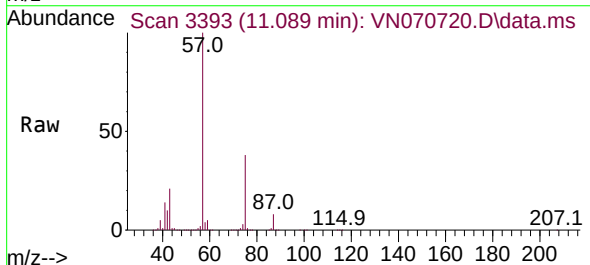
Instrument :
MSVOA_N
ClientSampleId :
72-11940

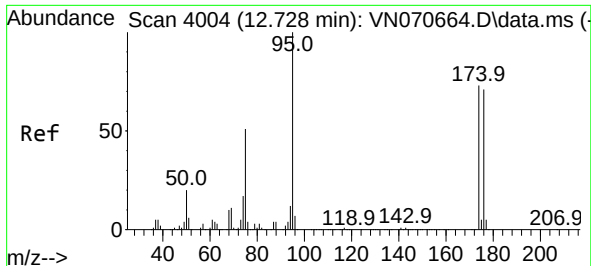
Tgt Ion: 63 Resp: 28
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 101.629 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 43 Resp: 1616785
Ion Ratio Lower Upper
43 100
58 17.0 26.9 80.7#

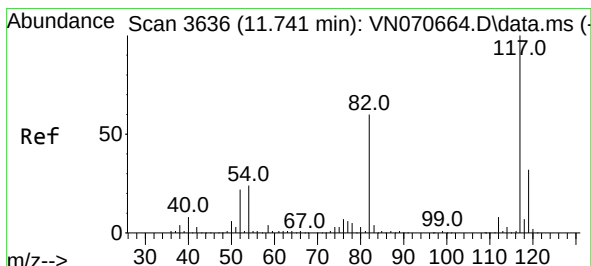
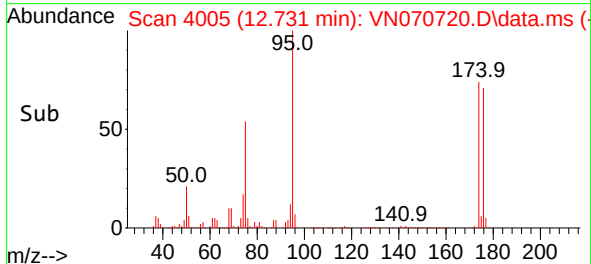
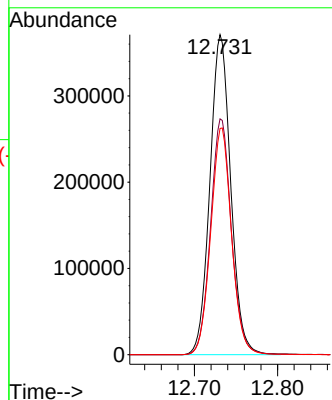
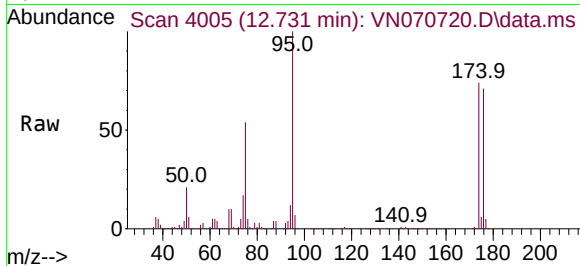




#62
4-Bromofluorobenzene
Concen: 42.802 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

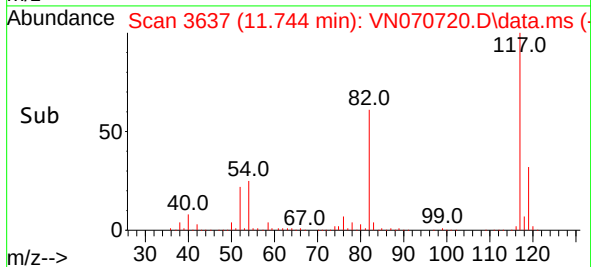
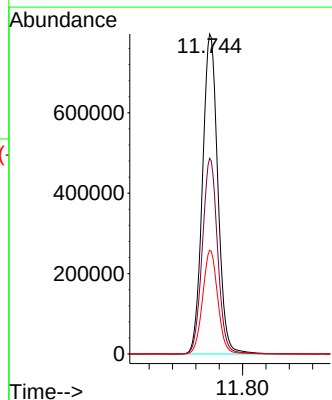
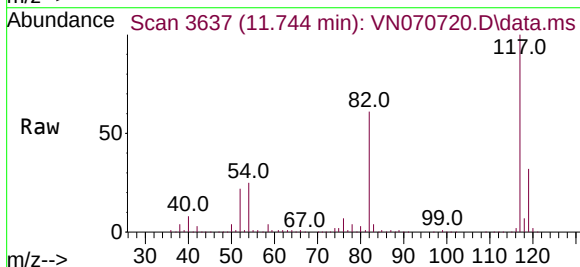
Instrument :
MSVOA_N
ClientSampleId :
72-11940

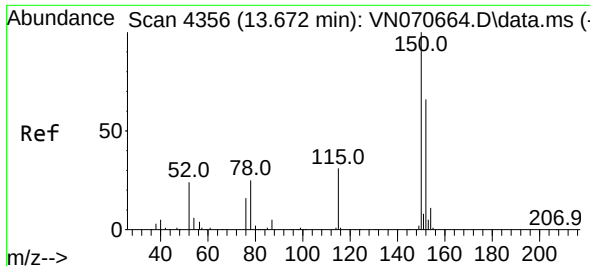
Tgt Ion: 95 Resp: 645958
Ion Ratio Lower Upper
95 100
174 74.0 0.0 187.2
176 70.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion: 117 Resp: 1451498
Ion Ratio Lower Upper
117 100
82 61.2 42.4 63.6
119 32.4 25.4 38.2

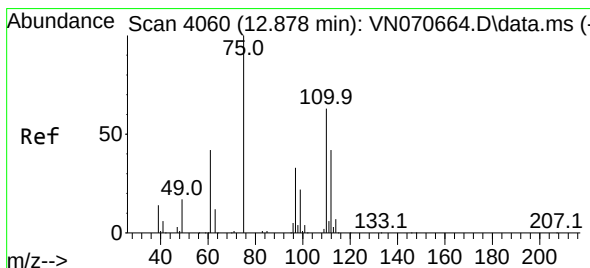
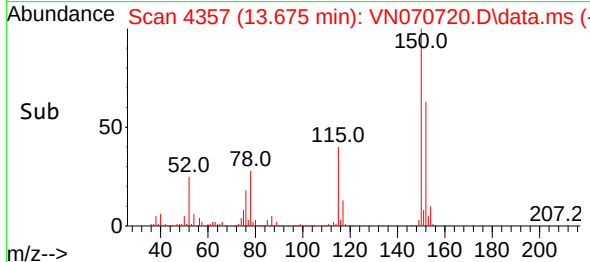
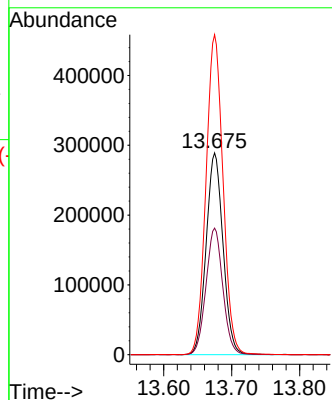
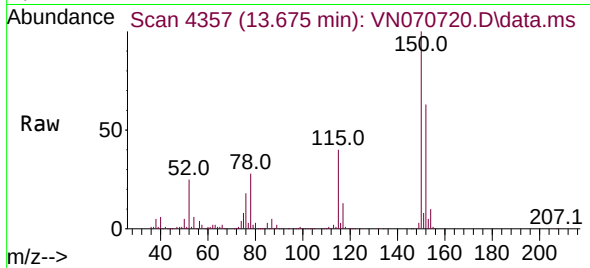




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070720.D
 Acq: 20 Jan 2022 15:12

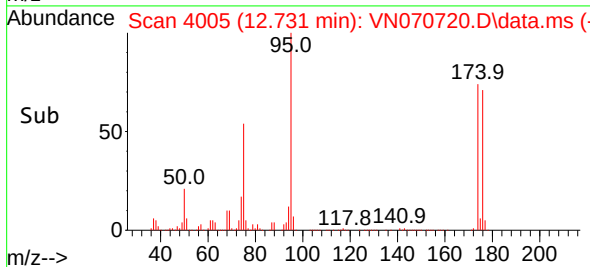
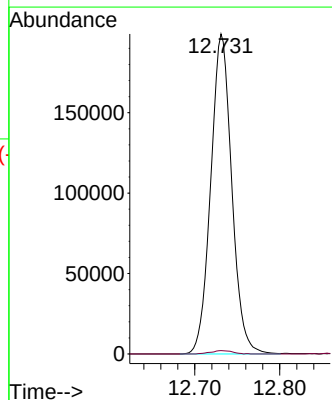
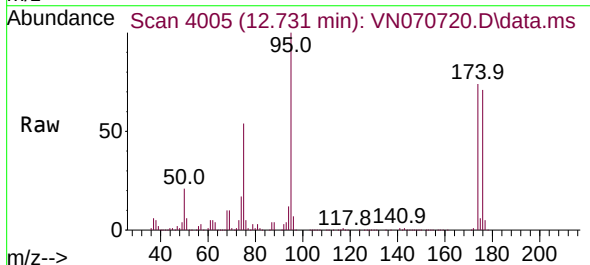
Instrument :
 MSVOA_N
 ClientSampleId :
 72-11940

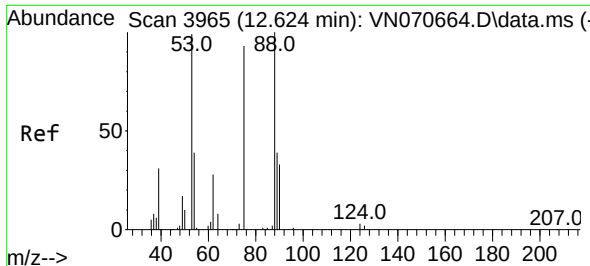
Tgt Ion:152 Resp: 499240
 Ion Ratio Lower Upper
 152 100
 115 62.6 27.5 82.5
 150 159.8 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 25.813 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070720.D
 Acq: 20 Jan 2022 15:12

Tgt Ion: 75 Resp: 341792
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

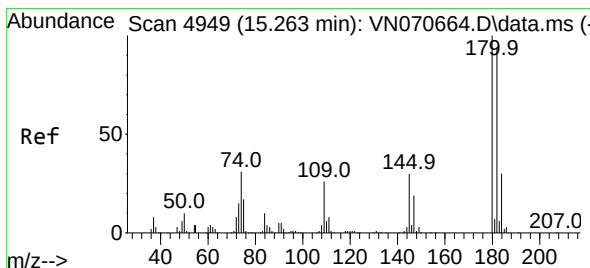
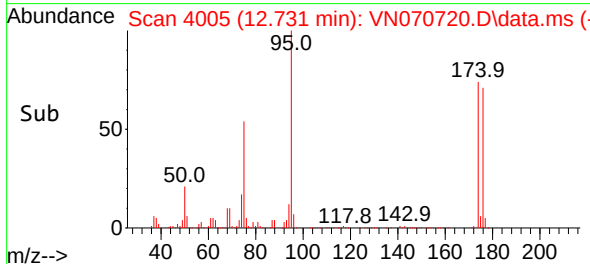
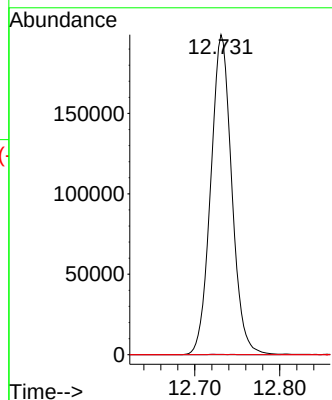
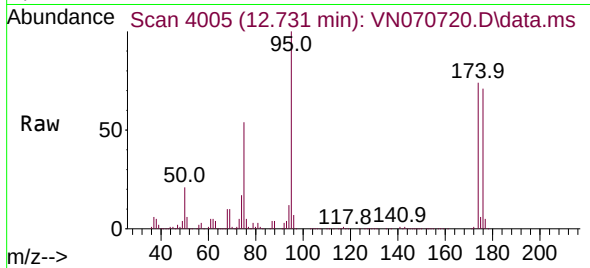




#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.901 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.107 min
 Lab File: VN070720.D
 Acq: 20 Jan 2022 15:12

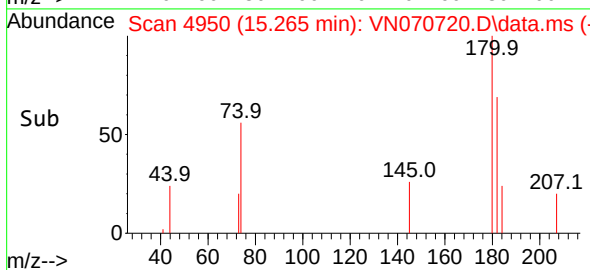
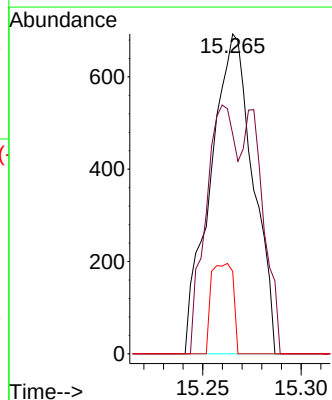
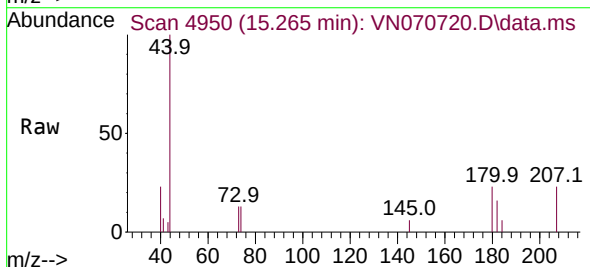
Instrument :
 MSVOA_N
 ClientSampleId :
 72-11940

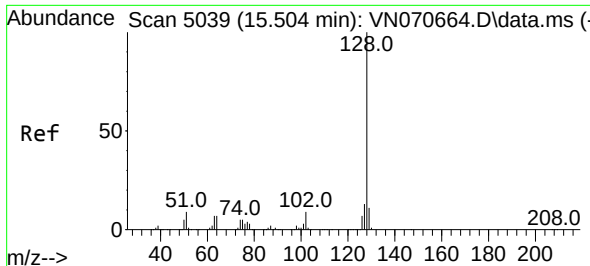
Tgt Ion: 75 Resp: 341792
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.530 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.002 min
 Lab File: VN070720.D
 Acq: 20 Jan 2022 15:12

Tgt Ion:180 Resp: 1042
 Ion Ratio Lower Upper
 180 100
 182 56.0 48.3 144.9
 145 14.5 14.5 43.5#

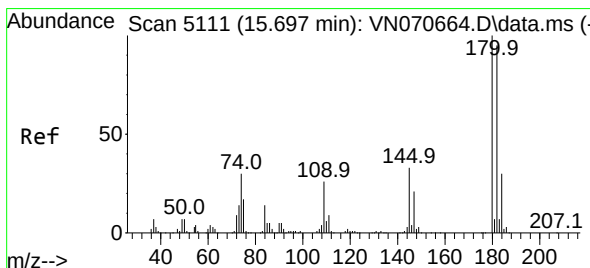
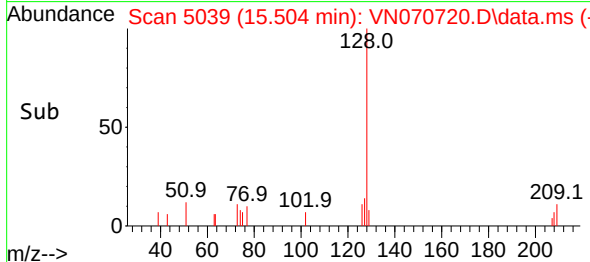
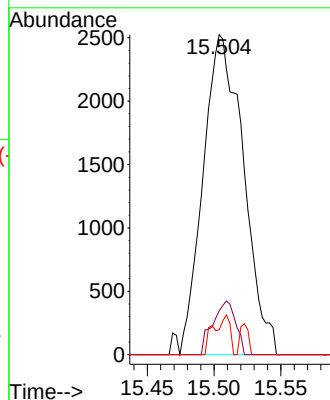
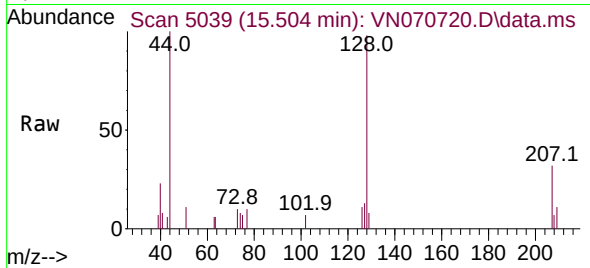




#95
Naphthalene
Concen: 5.133 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Instrument : MSVOA_N
ClientSampleId : 72-11940

Tgt Ion:	128	Resp:	5296
Ion Ratio	Lower	Upper	
128	100		
127	9.5	10.5	15.7#
129	3.1	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.282 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.000 min
Lab File: VN070720.D
Acq: 20 Jan 2022 15:12

Tgt Ion:	180	Resp:	624
Ion Ratio	Lower	Upper	
180	100		
182	149.8	47.4	142.2#
145	25.2	15.0	45.1

