

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
 Data File : VN070737.D
 Acq On : 21 Jan 2022 17:41
 Operator : JC/MD
 Sample : N1217-01 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 05:30:10 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)

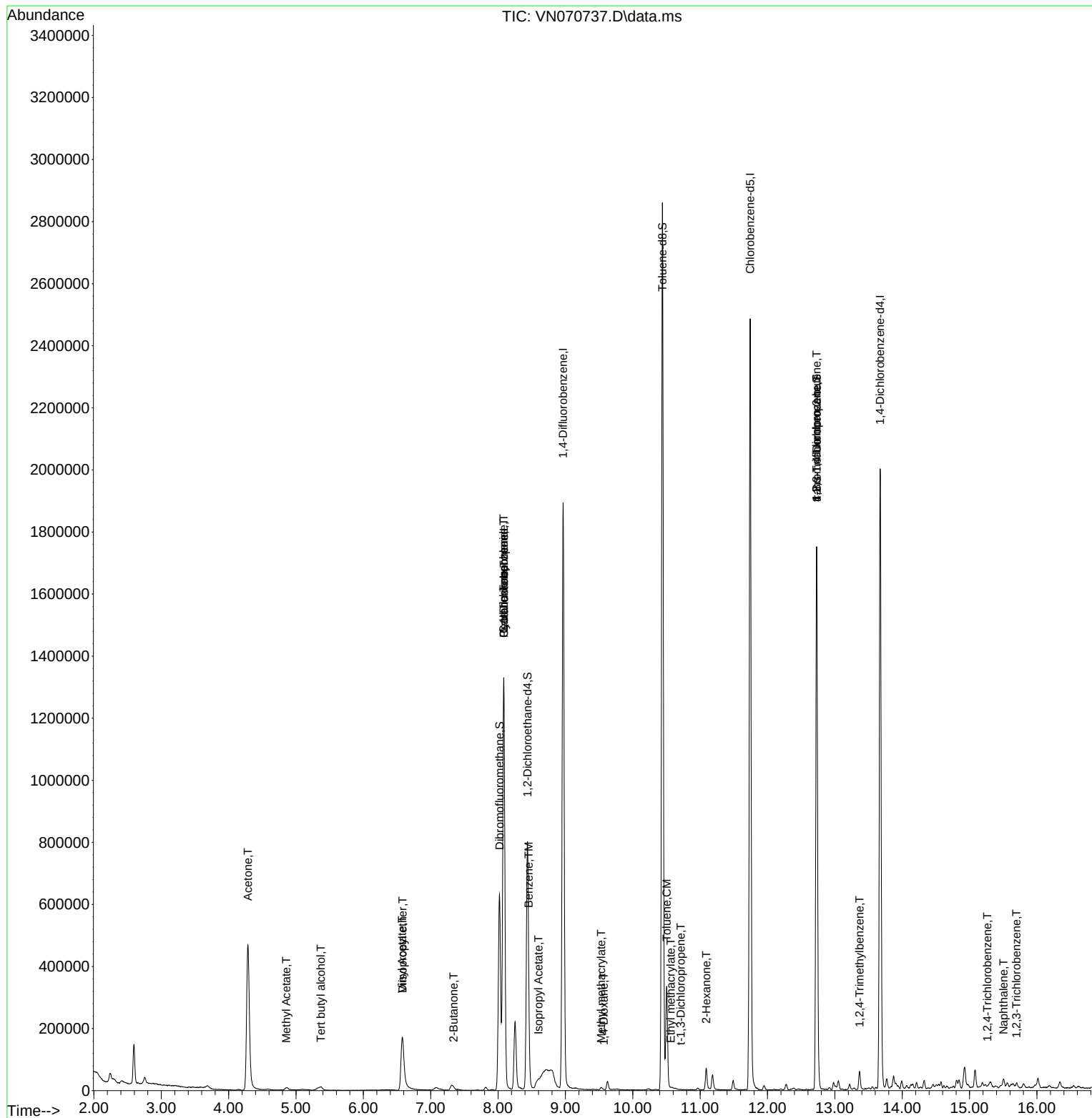
Internal Standards						
1) Pentafluorobenzene	8.086	168	984313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1615626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1429973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	548634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	684145	48.498	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.000%
35) Dibromofluoromethane	8.021	113	463514	46.251	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.500%
50) Toluene-d8	10.440	98	1966476	46.578	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.160%
62) 4-Bromofluorobenzene	12.731	95	658091	43.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.366	59	22168	8.710	ug/l #	80
16) Acetone	4.285	43	909242	92.864	ug/l	99
18) Methyl Acetate	4.854	43	7422	0.385	ug/l	95
22) Diisopropyl ether	6.581	45	13382	0.285	ug/l #	1
23) Vinyl Acetate	6.576	43	36767	0.922	ug/l #	72
25) 2-Butanone	7.340	43	9012	0.731	ug/l #	87
30) Chloroform	7.812	83	10223	Below Cal		88
31) Cyclohexane	8.086	56	23257	0.936	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	82716	4.903	ug/l #	49
38) Carbon Tetrachloride	8.083	117	102000	6.796	ug/l #	16
40) Benzene	8.453	78	20168	0.386	ug/l	97
43) Isopropyl Acetate	8.601	43	32793	0.959	ug/l #	57
48) Methyl methacrylate	9.531	41	3497	0.215	ug/l #	30
49) 1,4-Dioxane	9.569	88	58	0.237	ug/l #	58
52) Toluene	10.502	92	139076	4.447	ug/l	96
53) t-1,3-Dichloropropene	10.711	75	81	2.408	ug/l #	43
56) Ethyl methacrylate	10.564	69	198	2.310	ug/l #	24
59) 2-Hexanone	11.089	43	12250	0.772	ug/l #	61
76) 1,2,3-Trichloropropane	12.731	75	349931	24.048	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	349931	71.644	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	35608	0.883	ug/l	92
93) 1,2,4-Trichlorobenzene	15.263	180	955	3.513	ug/l #	74
95) Naphthalene	15.504	128	25012	5.741	ug/l	97
96) 1,2,3-Trichlorobenzene	15.697	180	997	3.312	ug/l #	56

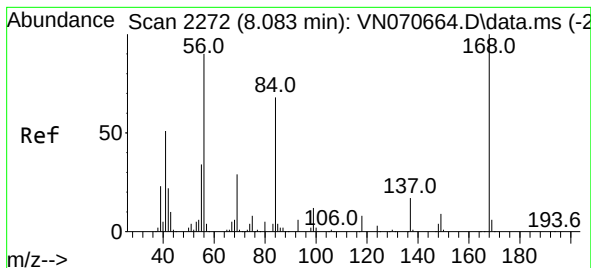
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070737.D

Acq: 21 Jan 2022 17:41

Instrument :

MSVOA_N

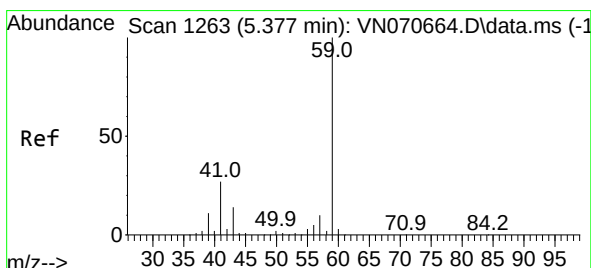
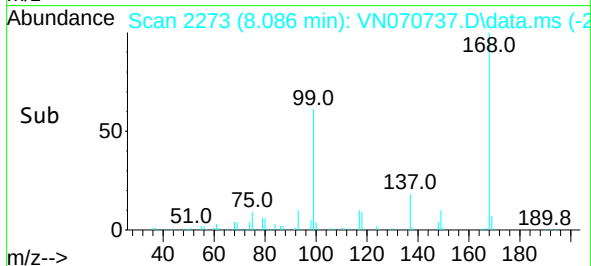
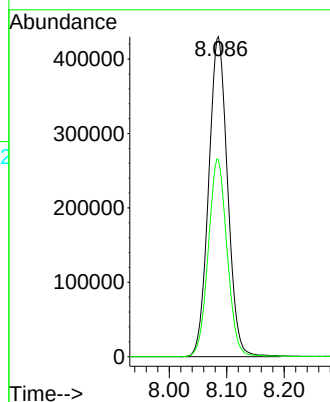
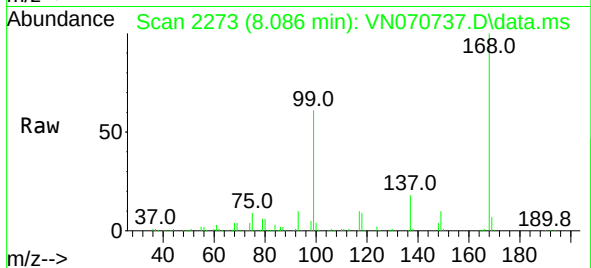
ClientSampleId :

Tgt Ion:168 Resp: 984313

Ion Ratio Lower Upper

168 100

99 61.5 41.3 61.9



#11

Tert butyl alcohol

Concen: 8.710 ug/l

RT: 5.366 min Scan# 1259

Delta R.T. -0.011 min

Lab File: VN070737.D

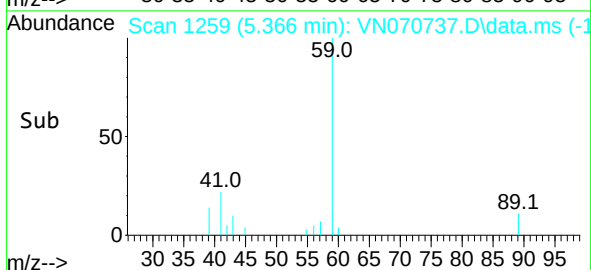
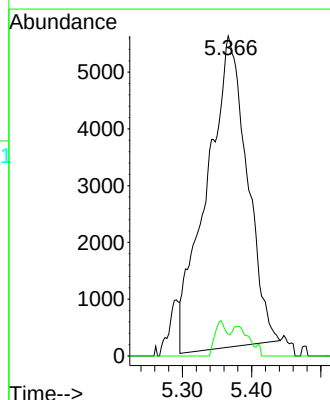
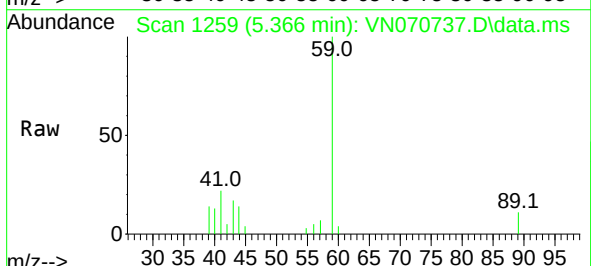
Acq: 21 Jan 2022 17:41

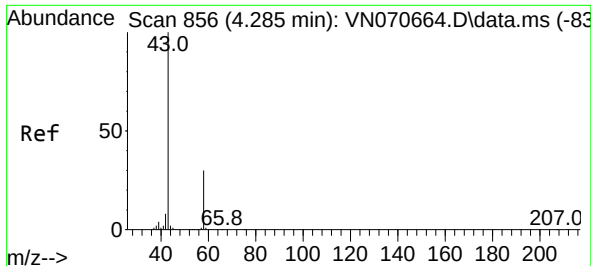
Tgt Ion: 59 Resp: 22168

Ion Ratio Lower Upper

59 100

57 3.5 8.7 13.1#

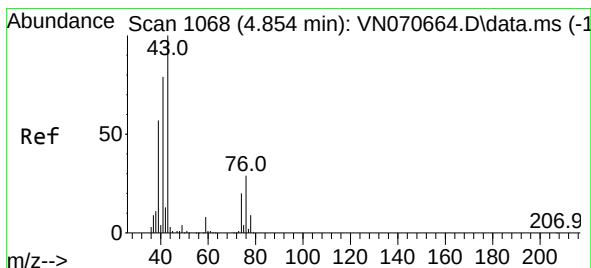
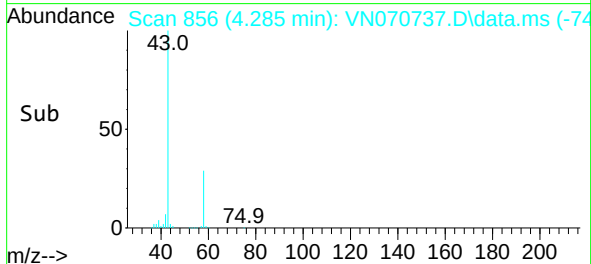
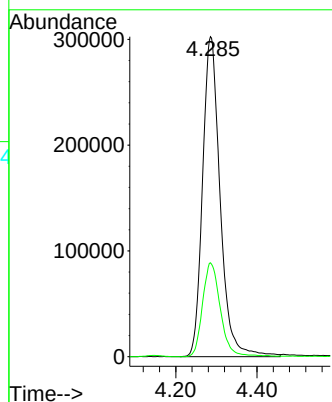
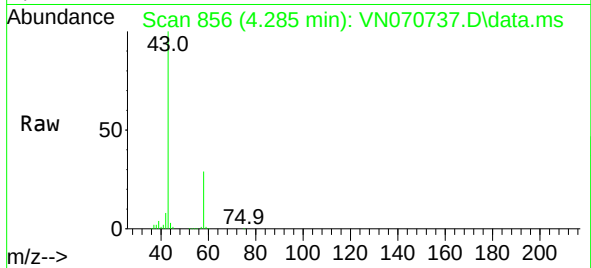




#16
Acetone
Concen: 92.864 ug/l
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

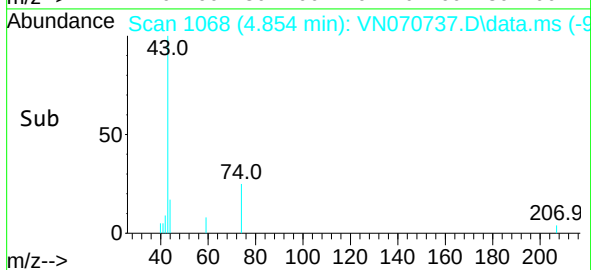
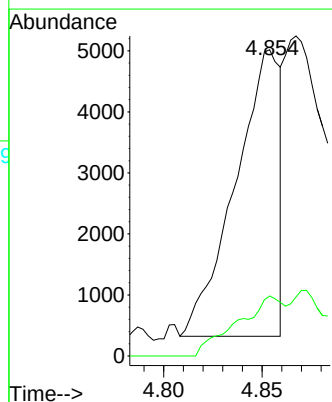
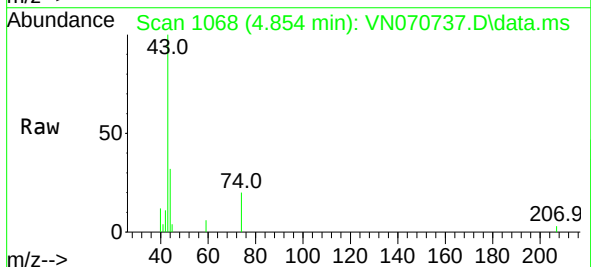
Instrument :
MSVOA_N
ClientSampleId :

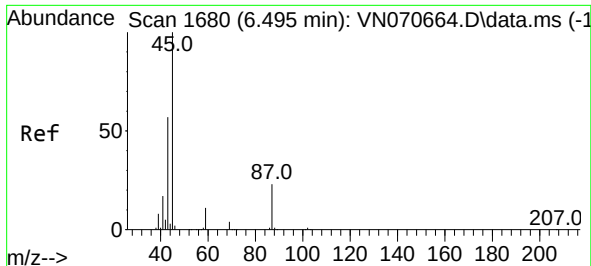
Tgt Ion: 43 Resp: 909242
Ion Ratio Lower Upper
43 100
58 29.4 23.1 34.7



#18
Methyl Acetate
Concen: 0.385 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

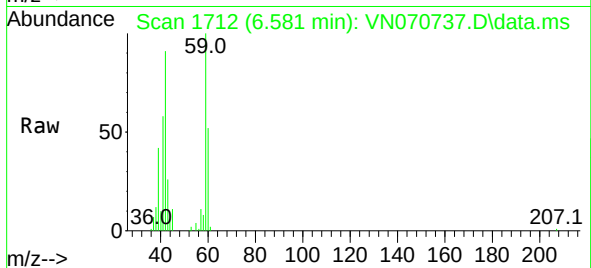
Tgt Ion: 43 Resp: 7422
Ion Ratio Lower Upper
43 100
74 21.8 19.4 29.2



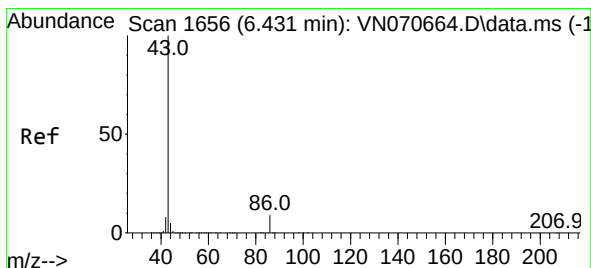
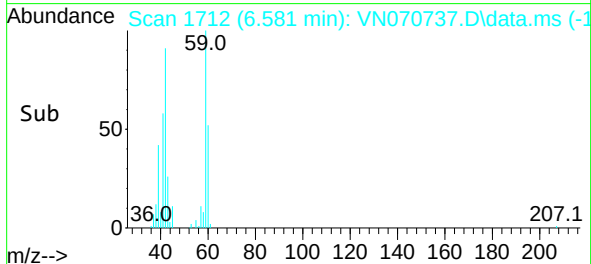
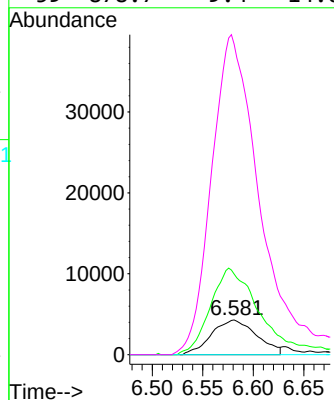


#22
Diisopropyl ether
Concen: 0.285 ug/l
RT: 6.581 min Scan# 1712
Delta R.T. 0.086 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

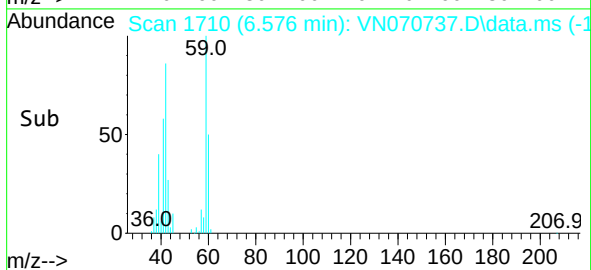
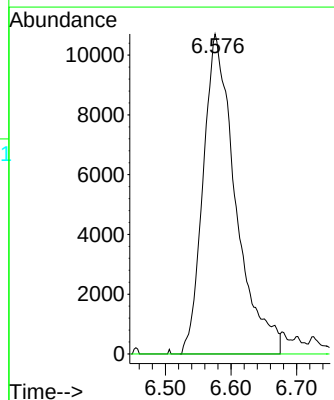
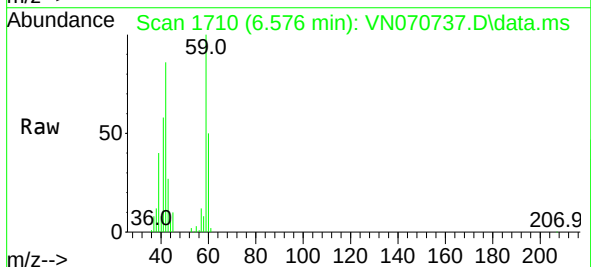


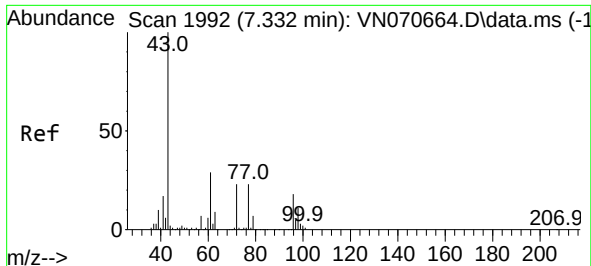
Tgt Ion:	45	Resp:	13382
Ion	Ratio	Lower	Upper
45	100		
43	226.2	51.7	77.5#
87	0.0	23.2	34.8#
59	878.7	9.4	14.0#



#23
Vinyl Acetate
Concen: 0.922 ug/l
RT: 6.576 min Scan# 1710
Delta R.T. 0.145 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Tgt Ion:	43	Resp:	36767
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#





#25

2-Butanone

Concen: 0.731 ug/l

RT: 7.340 min Scan# 1992

Delta R.T. 0.008 min

Lab File: VN070737.D

Acq: 21 Jan 2022 17:41

Instrument :

MSVOA_N

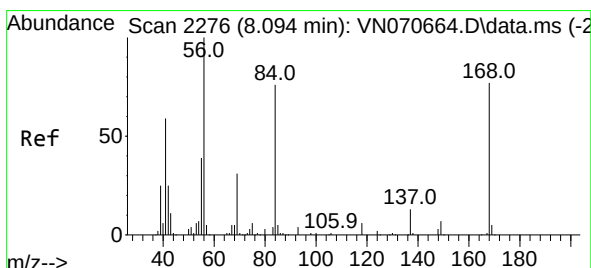
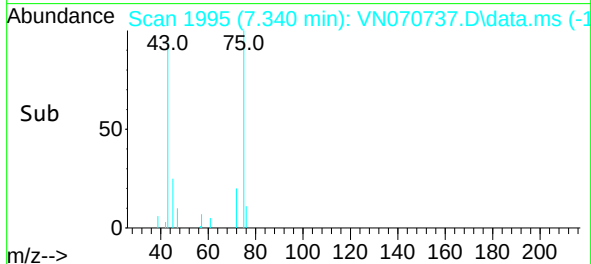
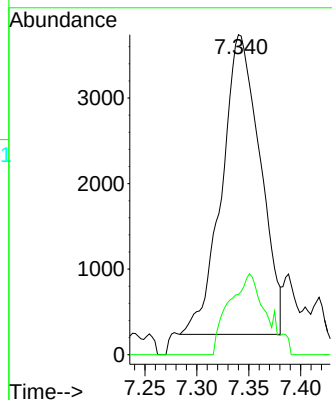
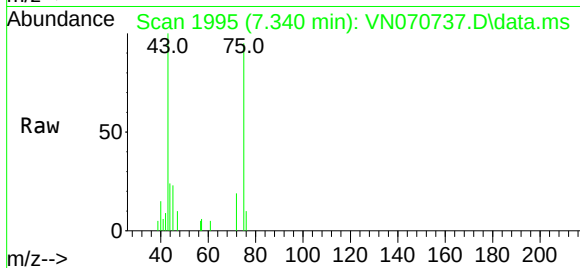
ClientSampleId :

Tgt Ion: 43 Resp: 9012

Ion Ratio Lower Upper

43 100

72 20.1 21.7 32.5#



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070737.D

Acq: 21 Jan 2022 17:41

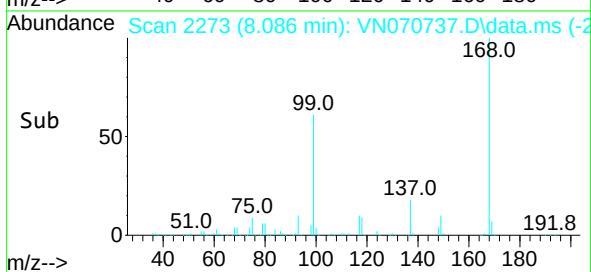
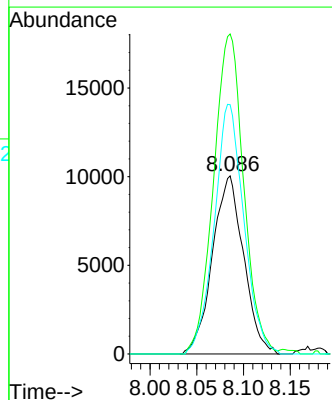
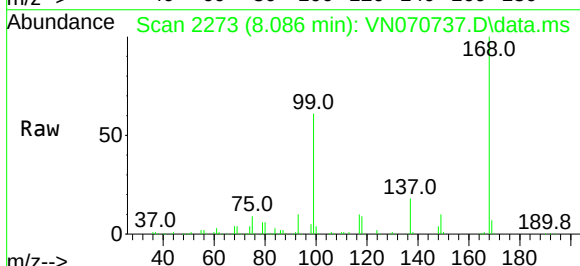
Tgt Ion: 56 Resp: 23257

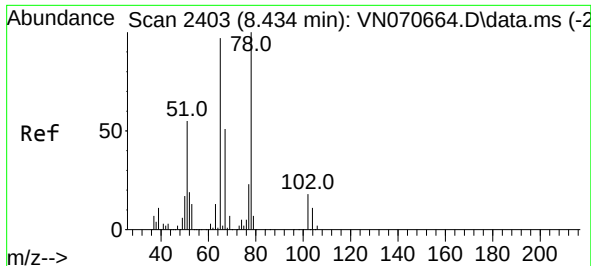
Ion Ratio Lower Upper

56 100

69 179.7 27.1 40.7#

84 140.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.498 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070737.D

Acq: 21 Jan 2022 17:41

Instrument :

MSVOA_N

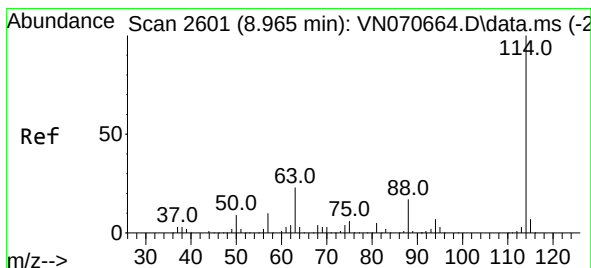
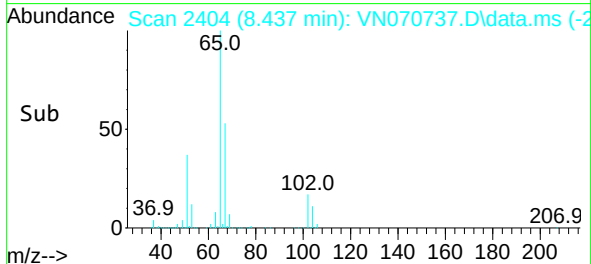
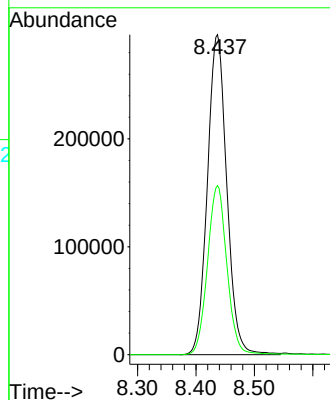
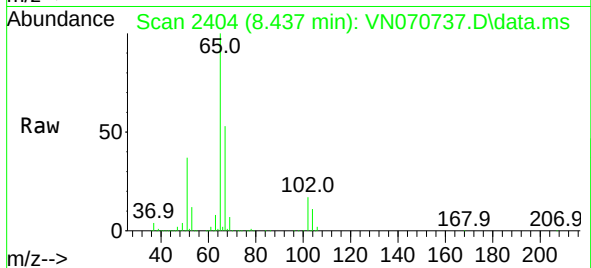
ClientSampleId :

Tgt Ion: 65 Resp: 684145

Ion Ratio Lower Upper

65 100

67 52.7 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: VN070737.D

Acq: 21 Jan 2022 17:41

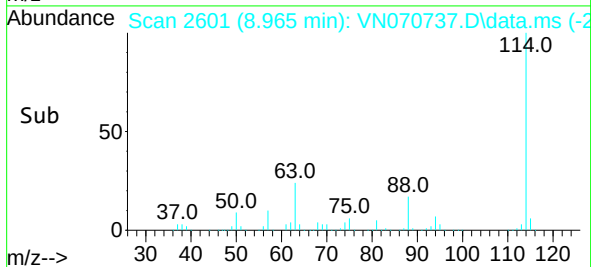
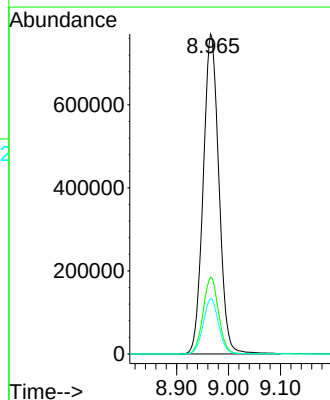
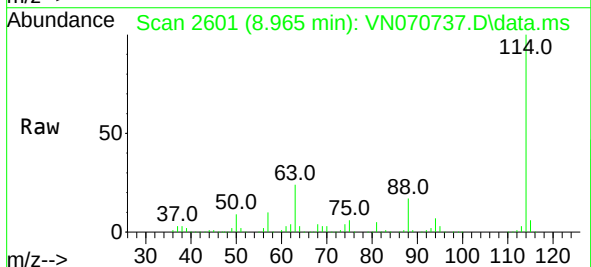
Tgt Ion: 114 Resp: 1615626

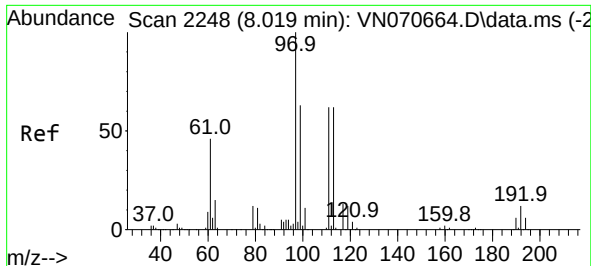
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

88 17.3 0.0 27.4

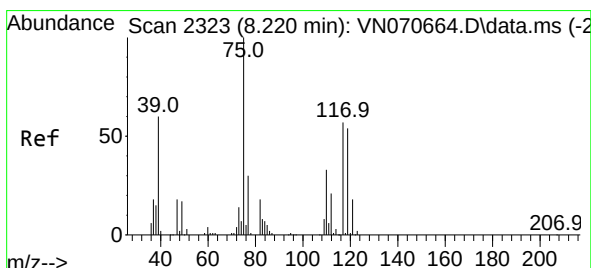
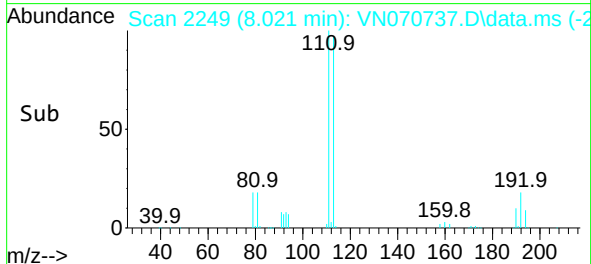
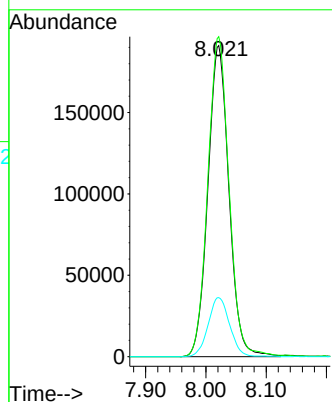
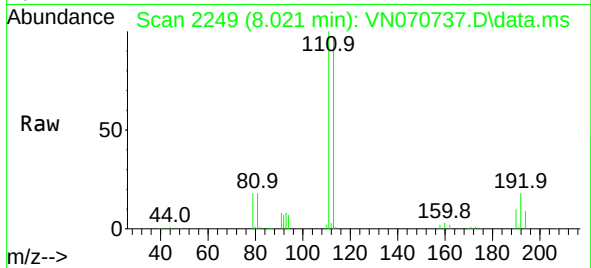




#35
Dibromofluoromethane
Concen: 46.251 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

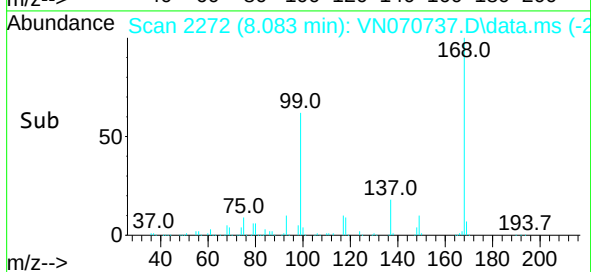
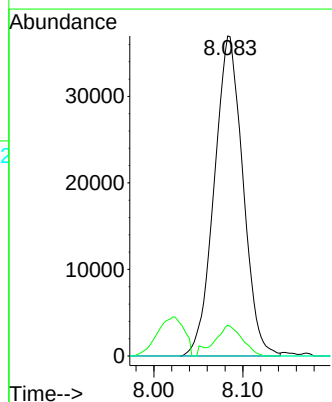
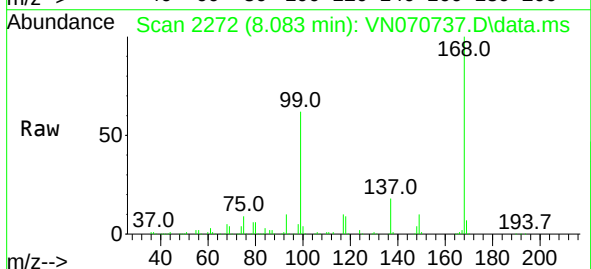
Instrument :
MSVOA_N
ClientSampleId :

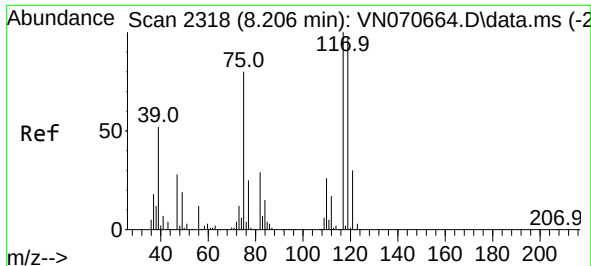
Tgt Ion:113 Resp: 463514
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.903 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

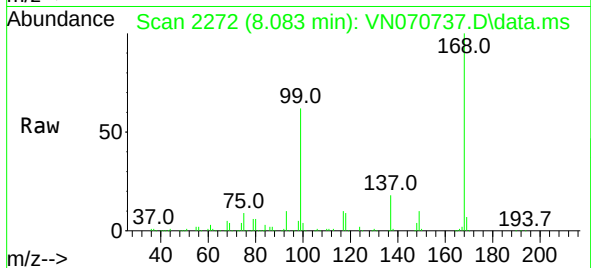
Tgt Ion: 75 Resp: 82716
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



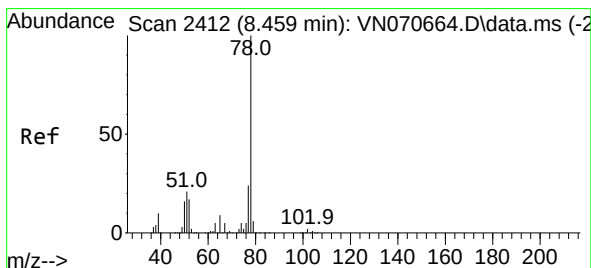
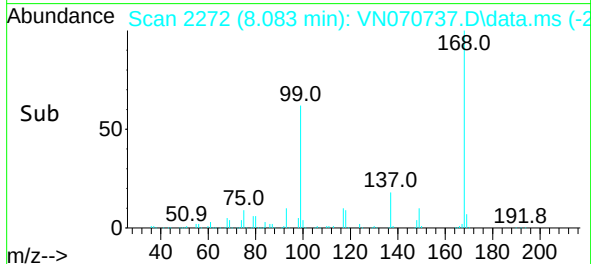
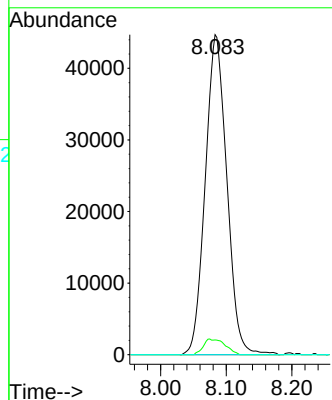


#38
Carbon Tetrachloride
Concen: 6.796 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

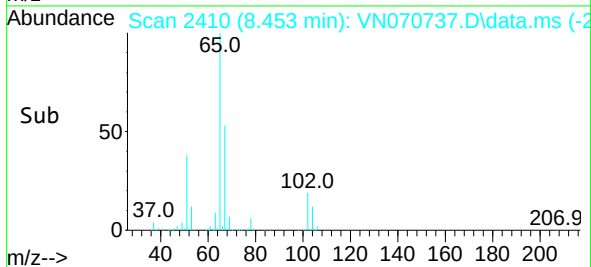
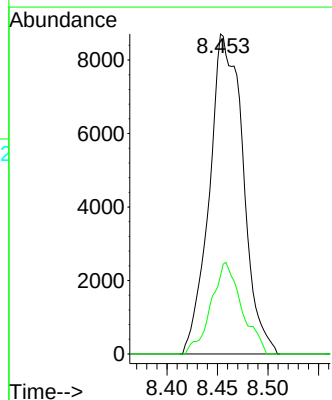
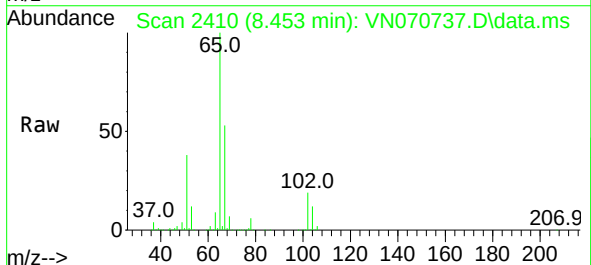


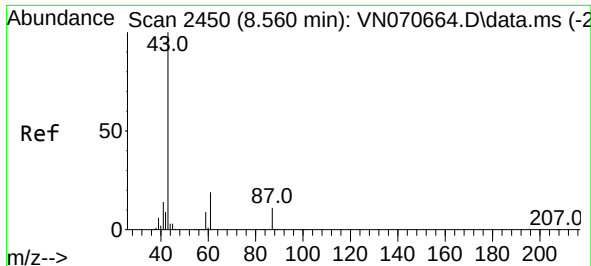
Tgt Ion:117 Resp: 102000
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.386 ug/l
RT: 8.453 min Scan# 2410
Delta R.T. -0.006 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

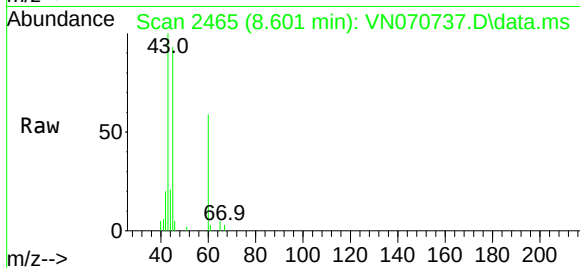
Tgt Ion: 78 Resp: 20168
Ion Ratio Lower Upper
78 100
77 24.6 18.6 27.8



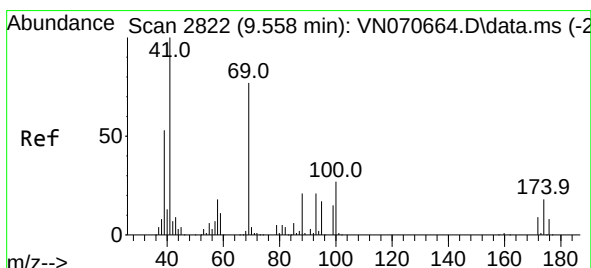
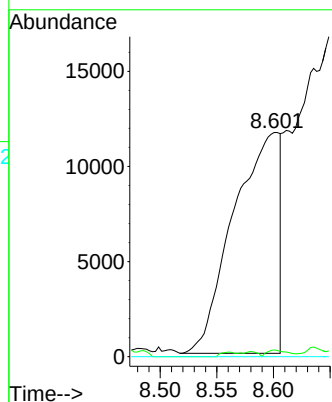
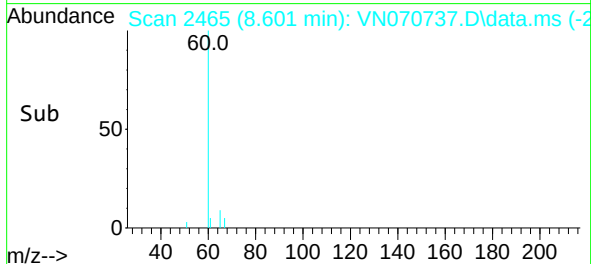


#43
Isopropyl Acetate
Concen: 0.959 ug/l
RT: 8.601 min Scan# 2450
Delta R.T. 0.040 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

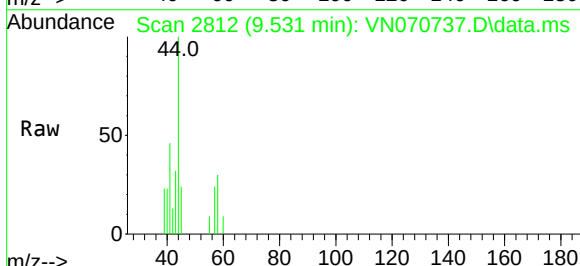
Instrument :
MSVOA_N
ClientSampleId :



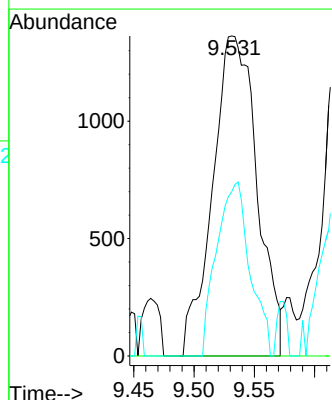
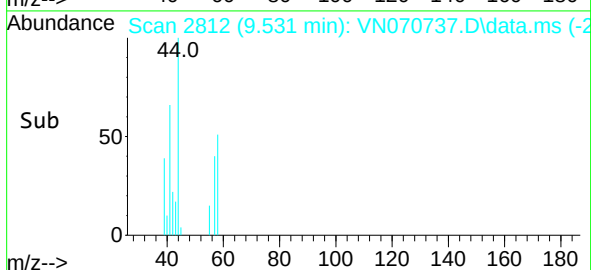
Tgt Ion: 43 Resp: 32793
Ion Ratio Lower Upper
43 100
61 1.4 20.4 30.6#
87 0.0 11.2 16.8#

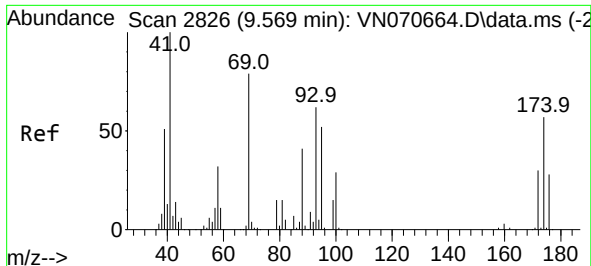


#48
Methyl methacrylate
Concen: 0.215 ug/l
RT: 9.531 min Scan# 2812
Delta R.T. -0.027 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41



Tgt Ion: 41 Resp: 3497
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 40.7 58.4 87.6#





#49

1,4-Dioxane

Concen: 0.237 ug/l

RT: 9.569 min Scan# 2826

Delta R.T. -0.000 min

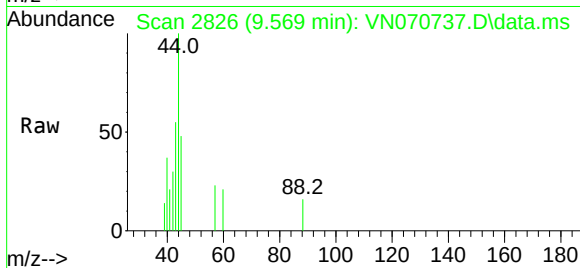
Lab File: VN070737.D

Acq: 21 Jan 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :



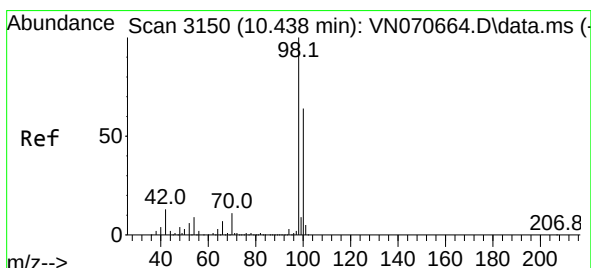
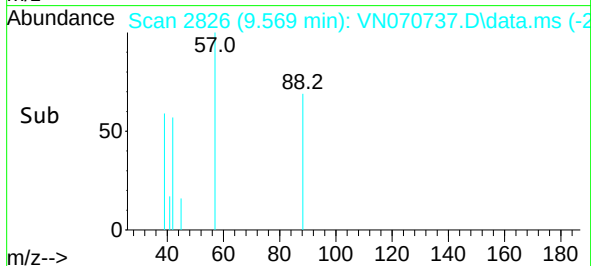
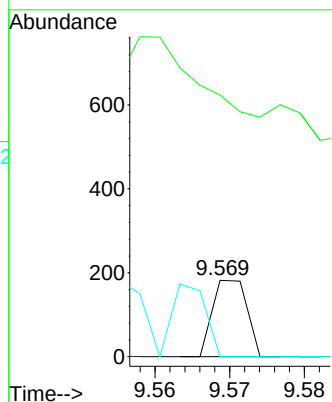
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 91.4 50.6 75.8#



#50

Toluene-d8

Concen: 46.578 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070737.D

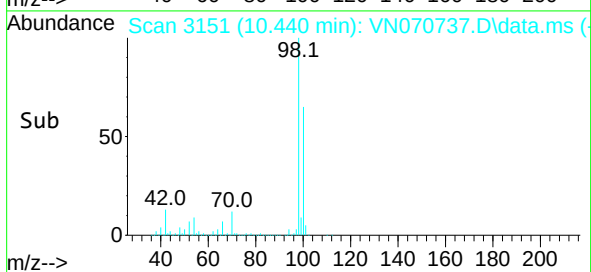
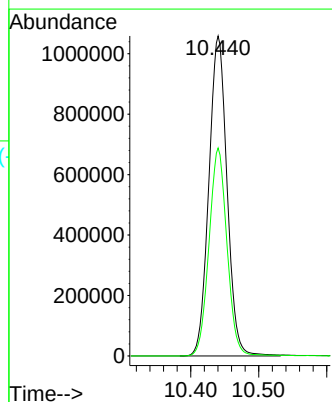
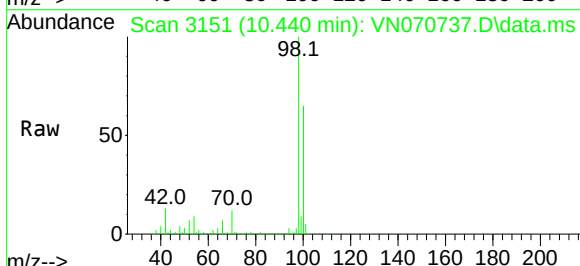
Acq: 21 Jan 2022 17:41

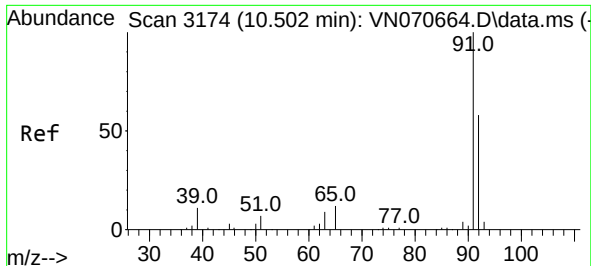
Tgt Ion: 98 Resp: 1966476

Ion Ratio Lower Upper

98 100

100 64.3 50.4 75.6

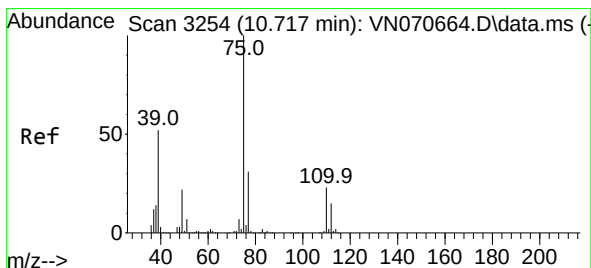
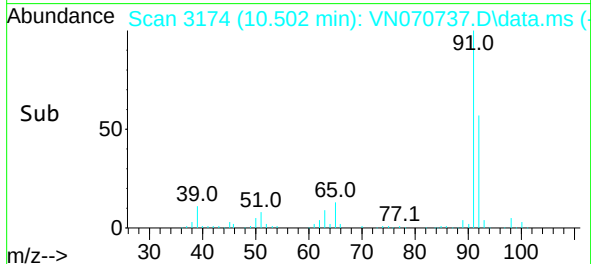
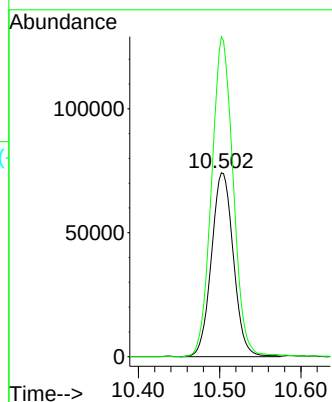
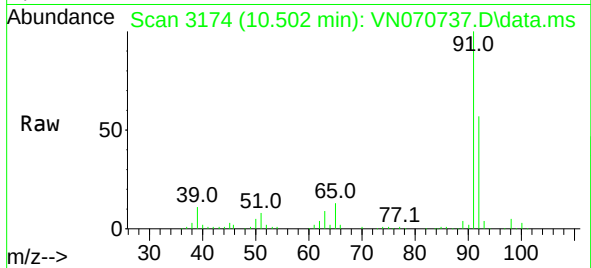




#52
Toluene
Concen: 4.447 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. 0.000 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

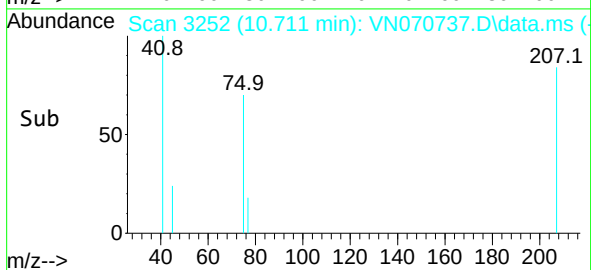
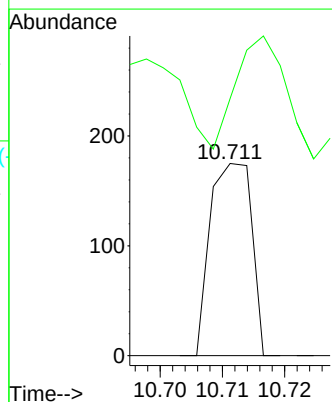
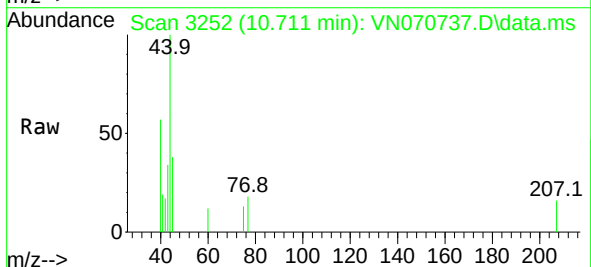
Instrument :
MSVOA_N
ClientSampleId :

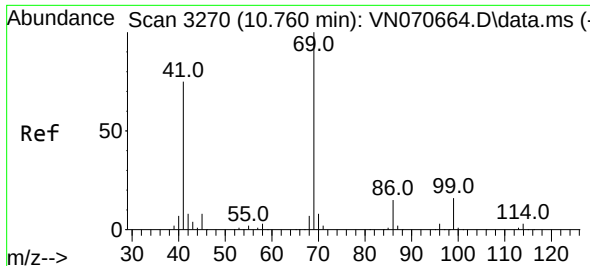
Tgt Ion: 92 Resp: 139076
Ion Ratio Lower Upper
92 100
91 171.2 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 2.408 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.006 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

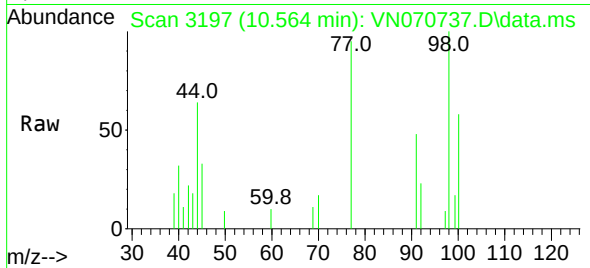
Tgt Ion: 75 Resp: 81
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



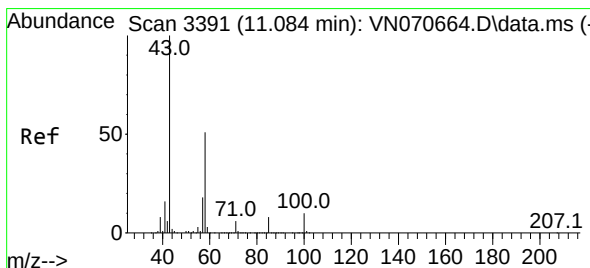
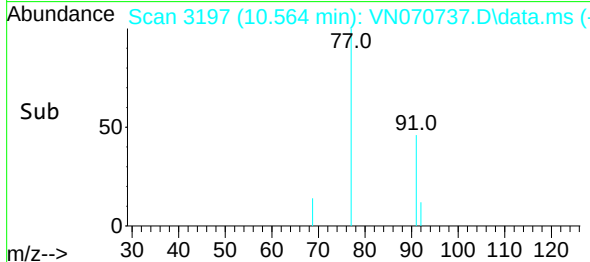
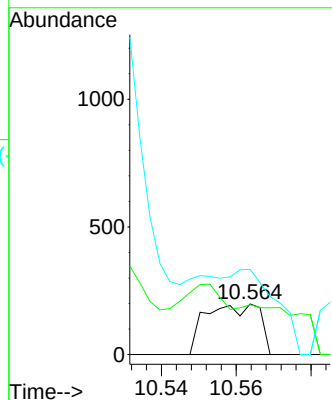


#56
Ethyl methacrylate
Concen: 2.310 ug/l
RT: 10.564 min Scan# 3197
Delta R.T. -0.196 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

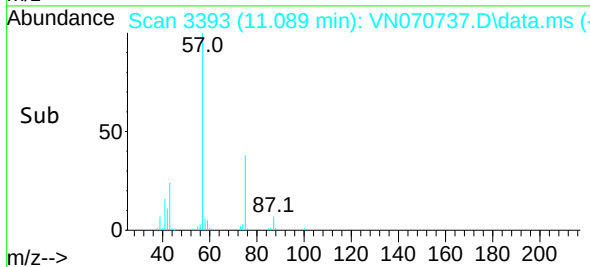
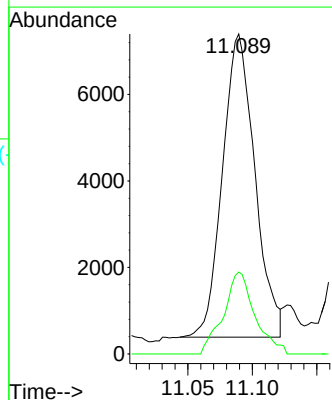
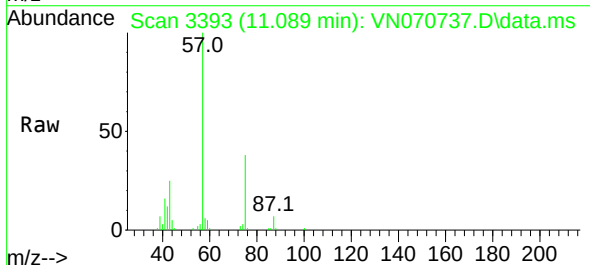


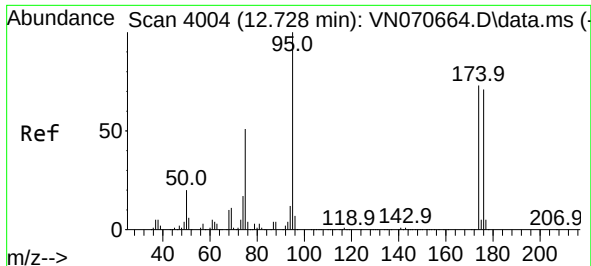
Tgt Ion: 69 Resp: 198
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#59
2-Hexanone
Concen: 0.772 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Tgt Ion: 43 Resp: 12250
Ion Ratio Lower Upper
43 100
58 26.2 26.9 80.7#

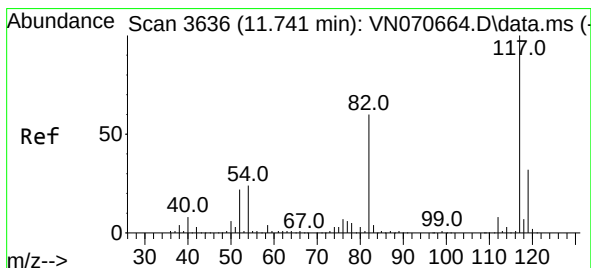
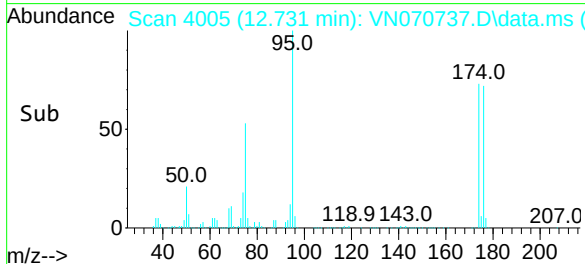
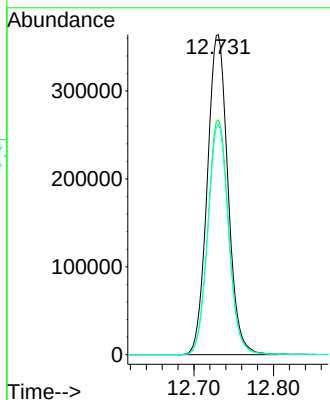
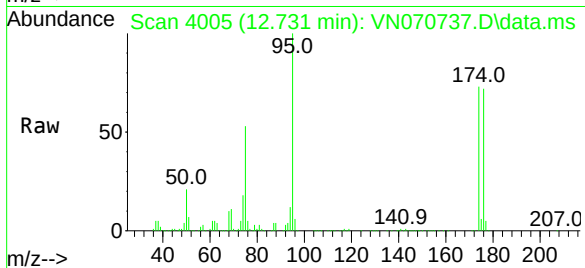




#62
4-Bromofluorobenzene
Concen: 43.743 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

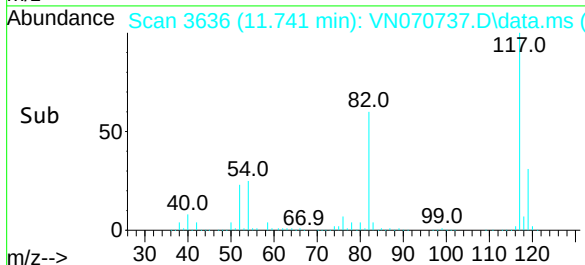
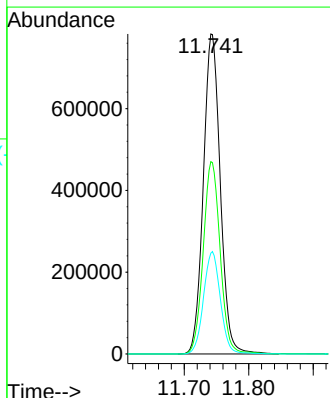
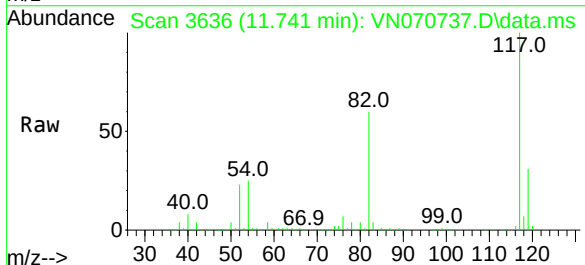
Instrument :
MSVOA_N
ClientSampleId :

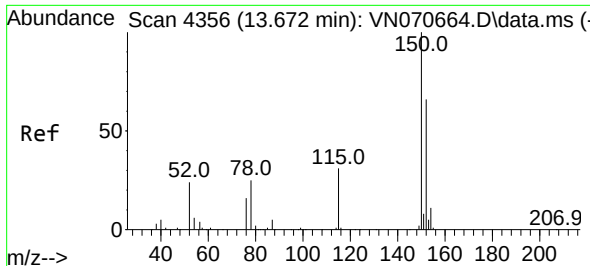
Tgt Ion: 95 Resp: 658091
Ion Ratio Lower Upper
95 100
174 74.0 0.0 187.2
176 71.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. 0.000 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Tgt Ion: 117 Resp: 1429973
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.5 25.4 38.2

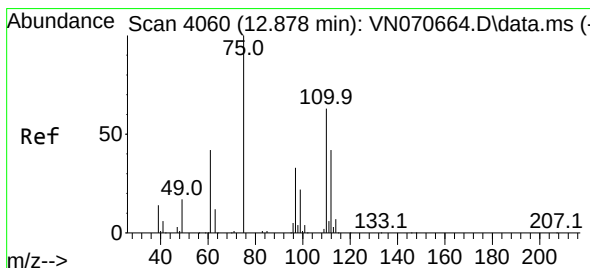
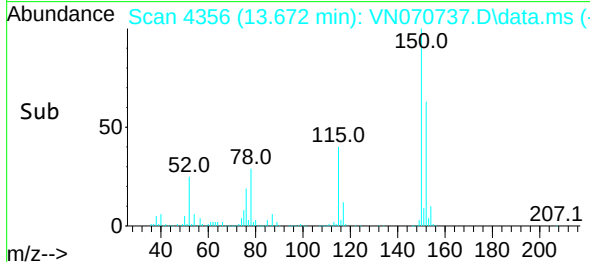
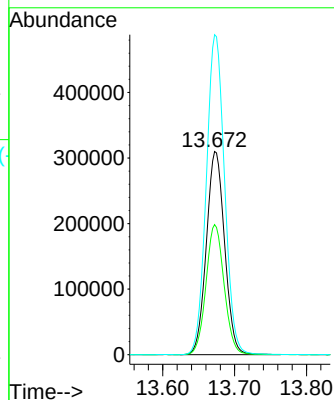
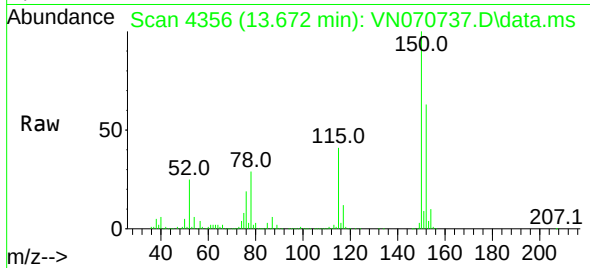




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

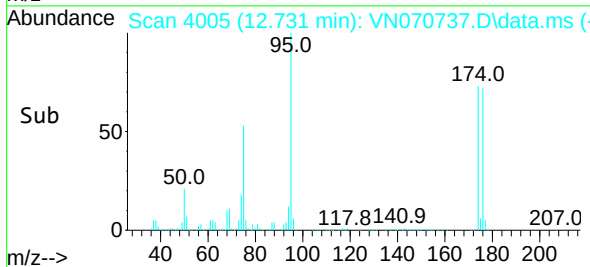
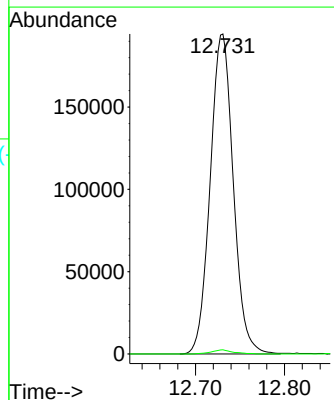
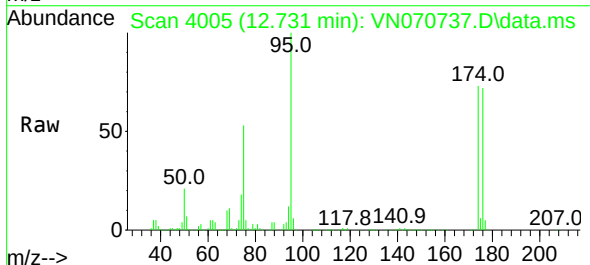
Instrument :
MSVOA_N
ClientSampleId :

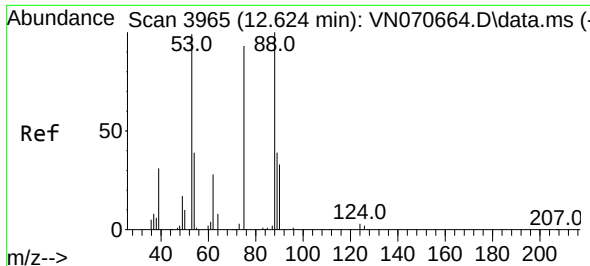
Tgt Ion:152 Resp: 548634
Ion Ratio Lower Upper
152 100
115 63.6 27.5 82.5
150 157.5 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.048 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

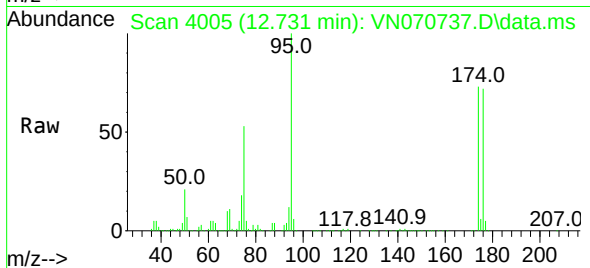
Tgt Ion: 75 Resp: 349931
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



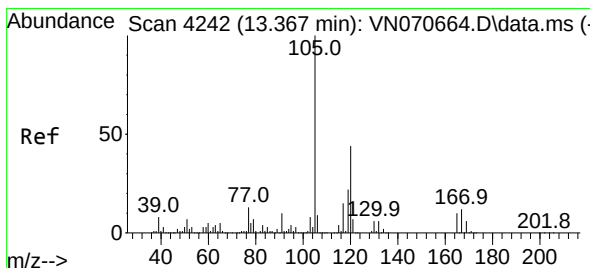
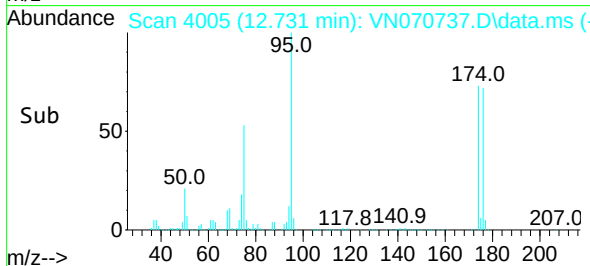
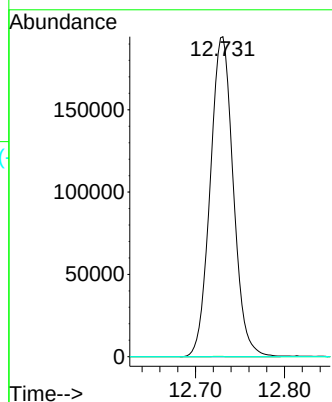


#81
trans-1,4-Dichloro-2-butene
Concen: 71.644 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

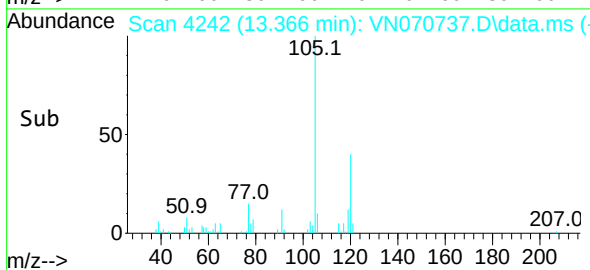
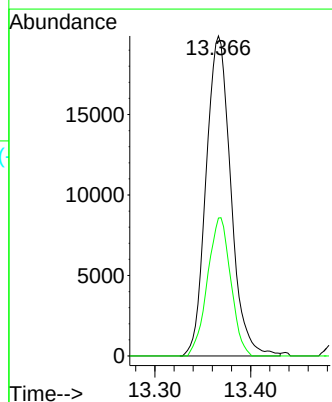
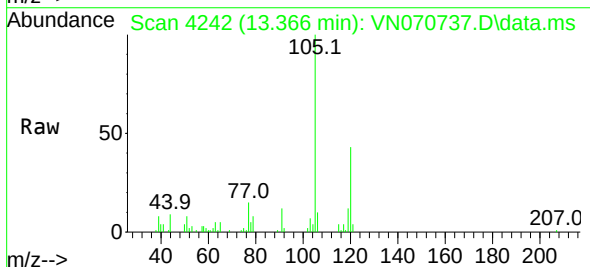


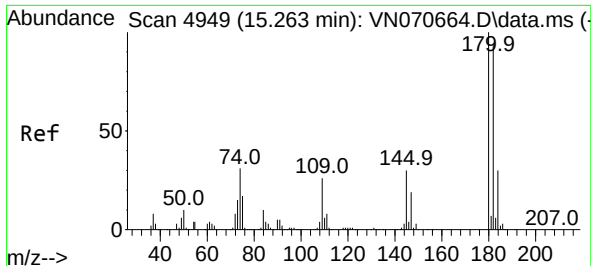
Tgt Ion: 75 Resp: 349931
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.883 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.001 min
Lab File: VN070737.D
Acq: 21 Jan 2022 17:41

Tgt Ion: 105 Resp: 35608
Ion Ratio Lower Upper
105 100
120 40.6 22.8 68.4

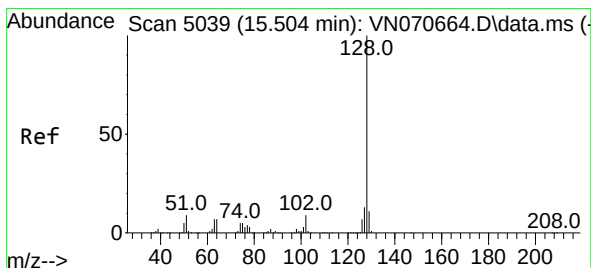
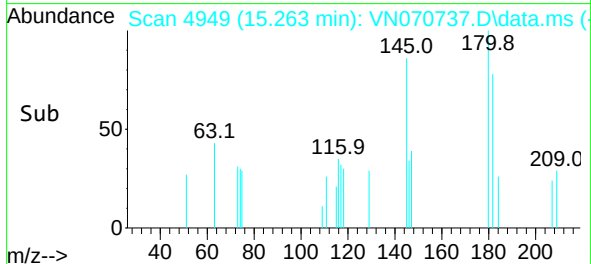
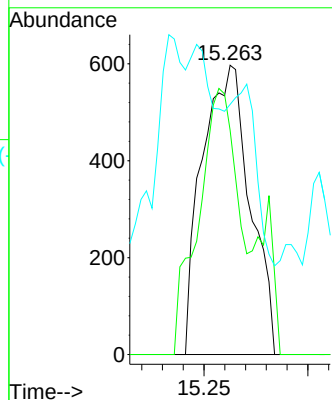
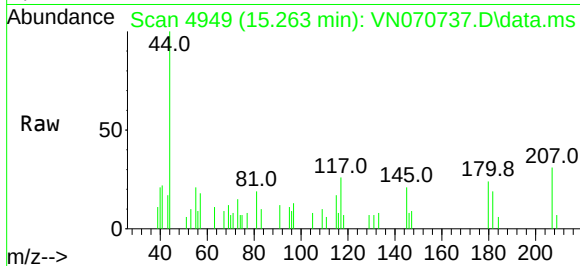




#93
 1,2,4-Trichlorobenzene
 Concen: 3.513 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.000 min
 Lab File: VN070737.D
 Acq: 21 Jan 2022 17:41

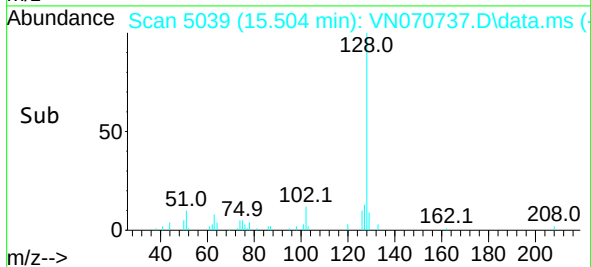
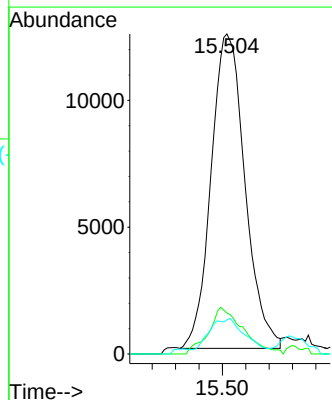
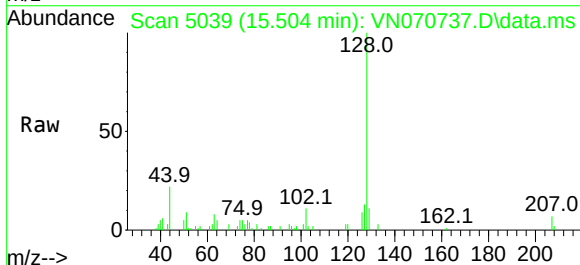
Instrument :
 MSVOA_N
 ClientSampleId :

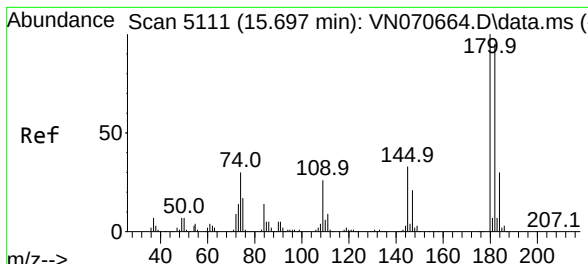
Tgt Ion:180 Resp: 955
 Ion Ratio Lower Upper
 180 100
 182 78.8 48.3 144.9
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 5.741 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.000 min
 Lab File: VN070737.D
 Acq: 21 Jan 2022 17:41

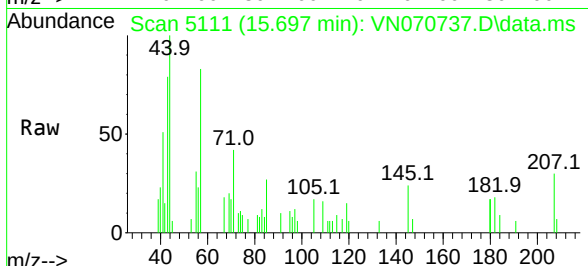
Tgt Ion:128 Resp: 25012
 Ion Ratio Lower Upper
 128 100
 127 15.0 10.5 15.7
 129 10.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.312 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN070737.D
 Acq: 21 Jan 2022 17:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	997
Ion	Ratio	Lower	Upper
180	100		
182	108.7	47.4	142.2
145	105.6	15.0	45.1#

