

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070595.D
 Acq On : 12 Jan 2022 18:58
 Operator : JC/MD
 Sample : PB141975ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:28:16 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)

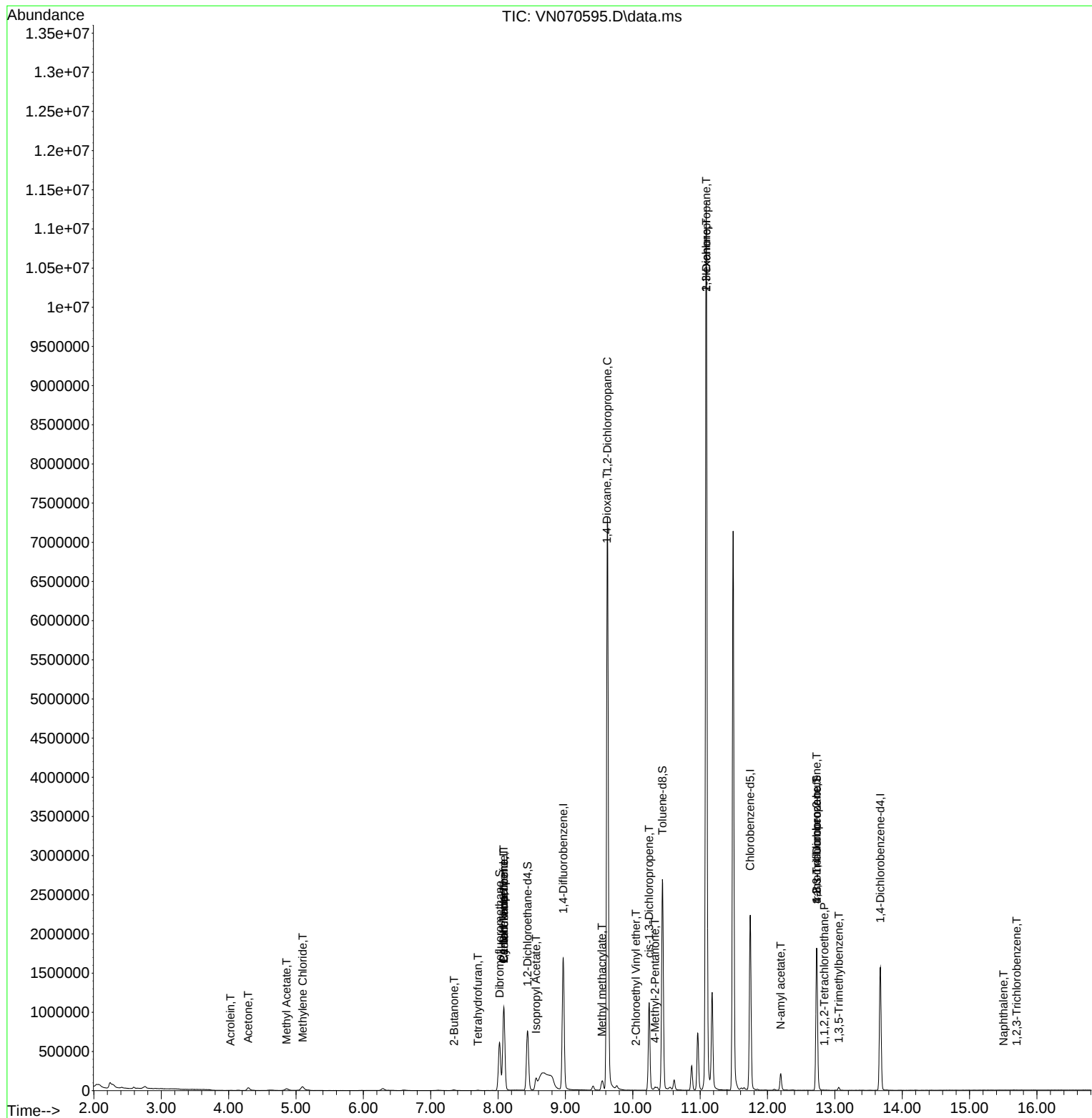
Internal Standards						
1) Pentafluorobenzene	8.085	168	815153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1452535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1283736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	443934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	637781	54.417	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 108.840%		
35) Dibromofluoromethane	8.021	113	455464	51.825	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 103.640%		
50) Toluene-d8	10.440	98	1843731	51.354	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 102.700%		
62) 4-Bromofluorobenzene	12.731	95	674812	52.040	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 104.080%		
Target Compounds						
					Qvalue	
13) Acrolein	4.028	56	361	0.228	ug/l #	16
16) Acetone	4.291	43	57758	7.591	ug/l	94
18) Methyl Acetate	4.859	43	48095	2.185	ug/l	92
20) Methylene Chloride	5.098	84	32594	3.096	ug/l	93
25) 2-Butanone	7.348	43	12608	1.316	ug/l	93
29) Tetrahydrofuran	7.699	42	3675	0.643	ug/l #	48
31) Cyclohexane	8.085	56	18312	0.990	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	65343	4.494	ug/l #	49
38) Carbon Tetrachloride	8.083	117	81434	5.866	ug/l #	16
43) Isopropyl Acetate	8.563	43	181372	6.104	ug/l #	80
45) 1,2-Dichloropropane	9.622	63	8881	0.740	ug/l #	44
48) Methyl methacrylate	9.542	41	35332	2.493	ug/l #	8
49) 1,4-Dioxane	9.617	88	404	1.947	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	17349	0.929	ug/l #	82
54) cis-1,3-Dichloropropene	10.242	75	191287	11.024	ug/l #	62
57) 1,3-Dichloropropane	11.089	76	113907	6.033	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.046	63	209	18.556	ug/l #	45
59) 2-Hexanone	11.089	43	1913552	140.550	ug/l #	49
74) N-amyl acetate	12.194	43	77444	4.468	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.841	83	26	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	346663	27.669	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	17638	0.534	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.731	75	346663	95.407	ug/l #	5
95) Naphthalene	15.504	128	851	1.837	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	99	0.840	ug/l #	1

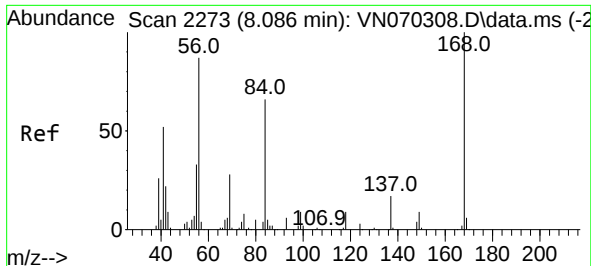
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

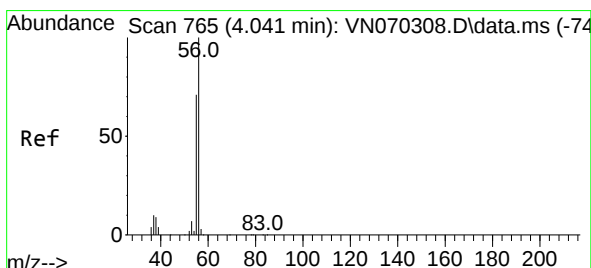
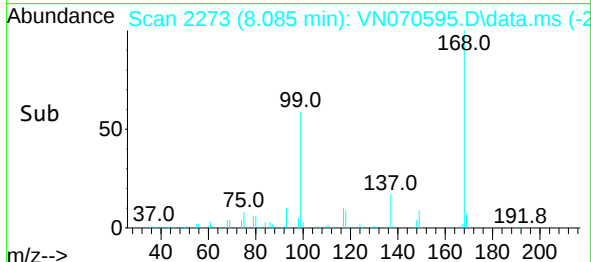
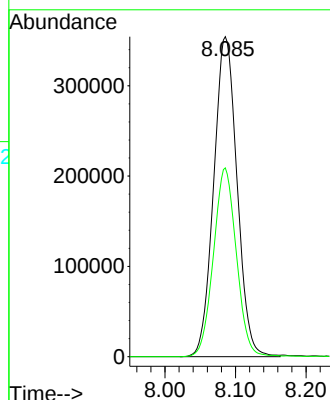
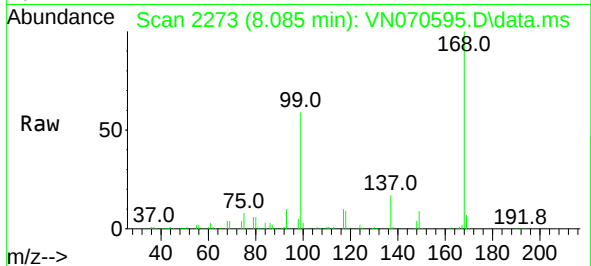




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

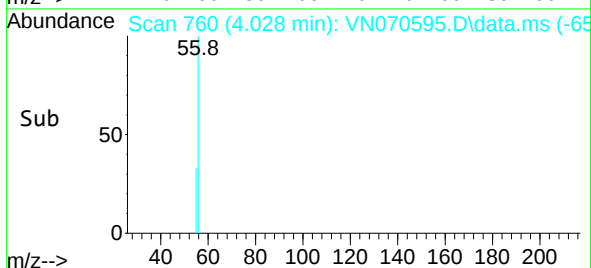
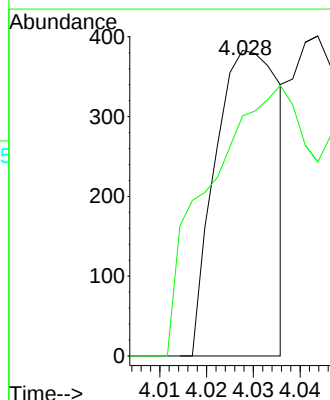
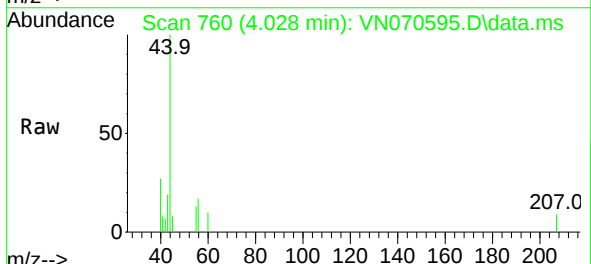
Instrument :
MSVOA_N
ClientSampleId :

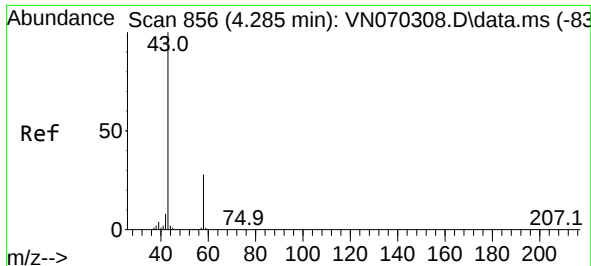
Tgt Ion:168 Resp: 815153
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#13
Acrolein
Concen: 0.228 ug/l
RT: 4.028 min Scan# 760
Delta R.T. -0.013 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

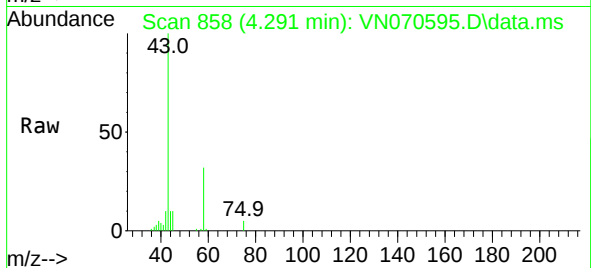
Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
55 139.9 56.6 85.0#



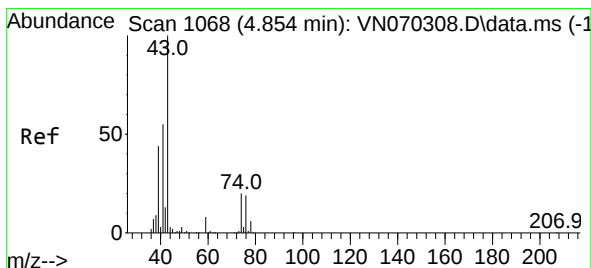
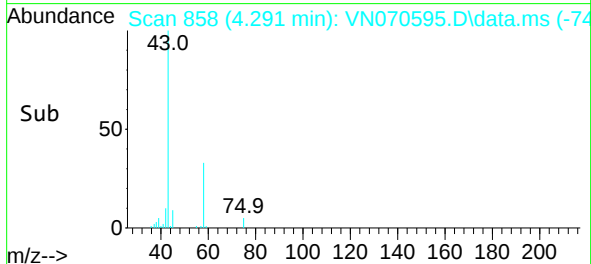
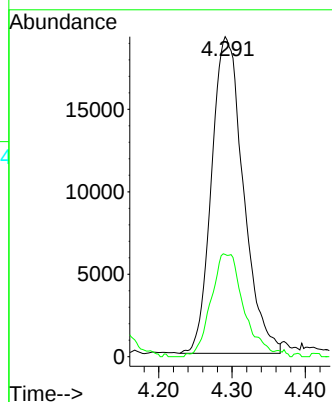


#16
Acetone
Concen: 7.591 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Instrument :
MSVOA_N
ClientSampleId :

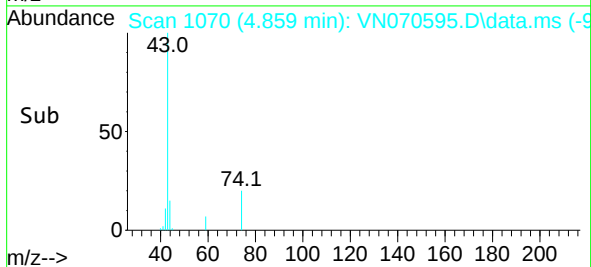
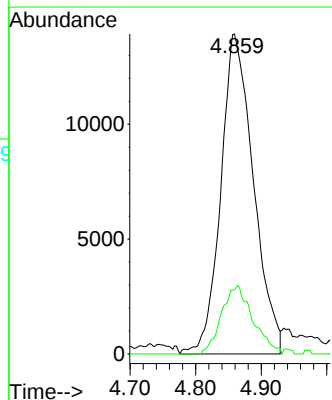
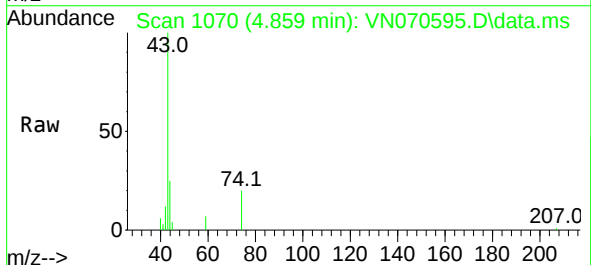


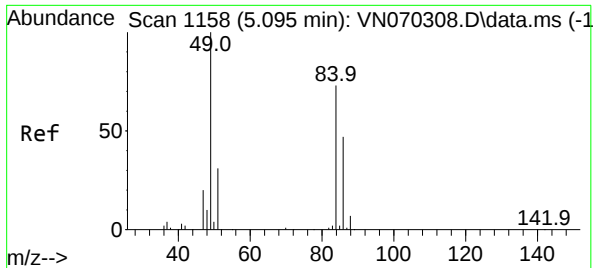
Tgt Ion: 43 Resp: 57758
Ion Ratio Lower Upper
43 100
58 32.3 23.1 34.7



#18
Methyl Acetate
Concen: 2.185 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

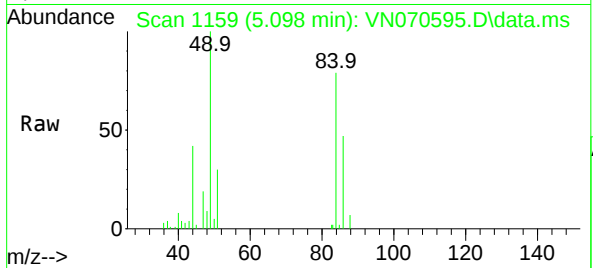
Tgt Ion: 43 Resp: 48095
Ion Ratio Lower Upper
43 100
74 20.5 19.4 29.2



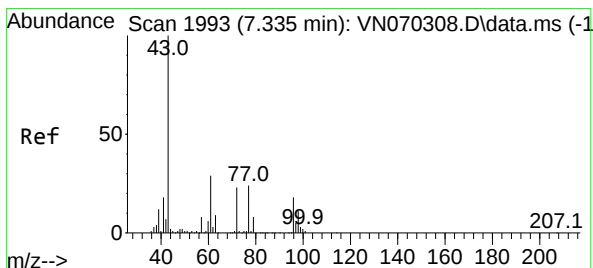
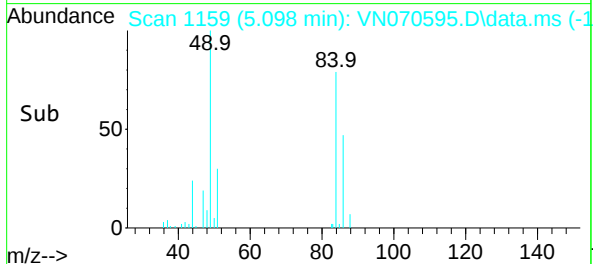
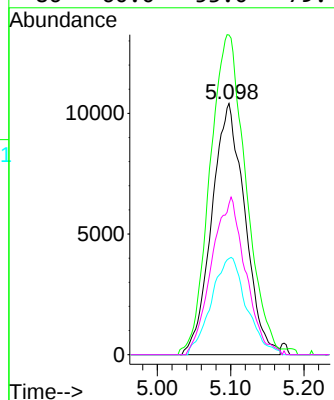


#20
Methylene Chloride
Concen: 3.096 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Instrument :
MSVOA_N
ClientSampleId :

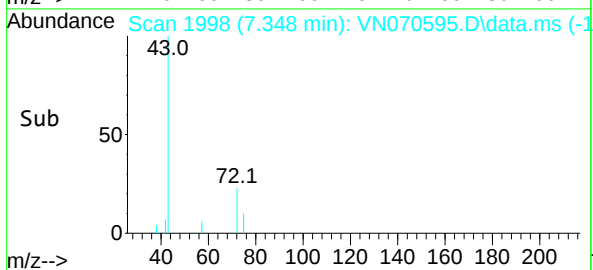
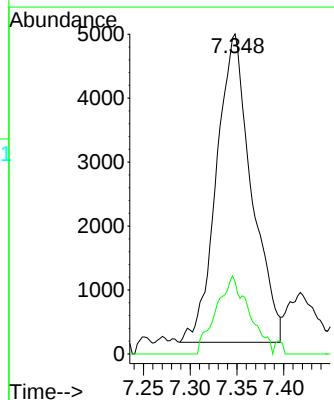
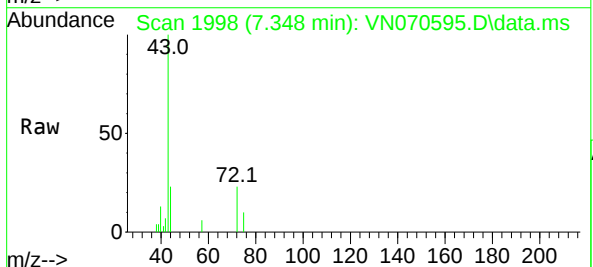


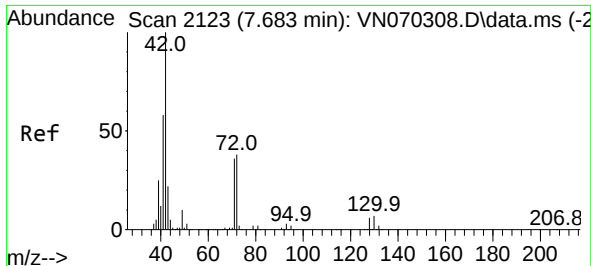
Tgt Ion:	84	Resp:	32594
Ion	Ratio	Lower	Upper
84	100		
49	125.2	93.5	140.3
51	38.3	29.4	44.2
86	60.0	53.0	79.4



#25
2-Butanone
Concen: 1.316 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Tgt Ion:	43	Resp:	12608
Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.643 ug/l

RT: 7.699 min Scan# 21

Delta R.T. 0.016 min

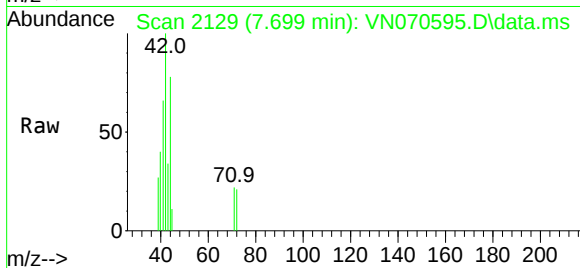
Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

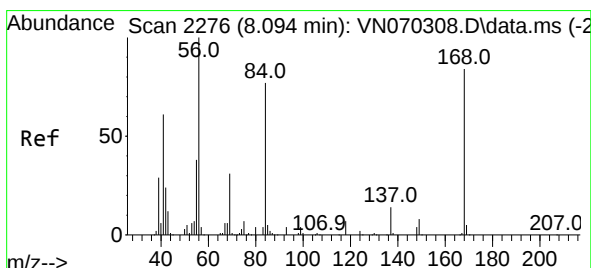
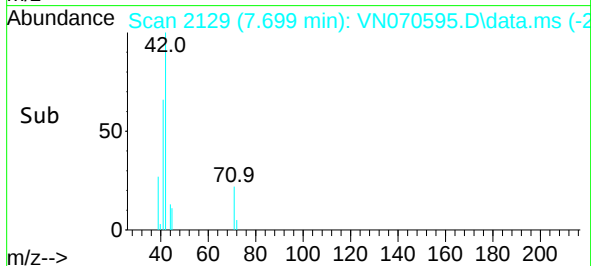
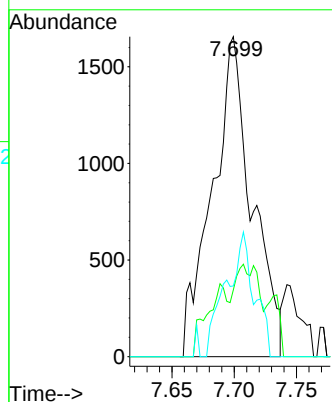
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3675
Ion Ratio	Lower	Upper	
42	100		
72	12.5	36.3	54.5#
71	9.1	34.7	52.1#



#31

Cyclohexane

Concen: 0.990 ug/l

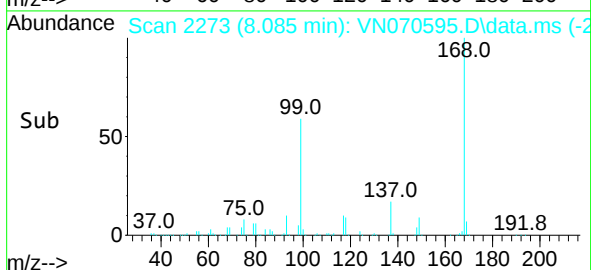
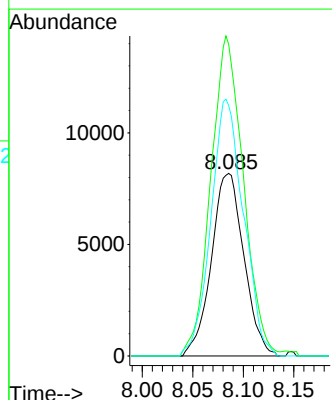
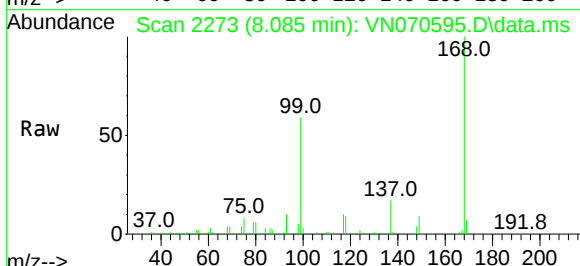
RT: 8.085 min Scan# 2273

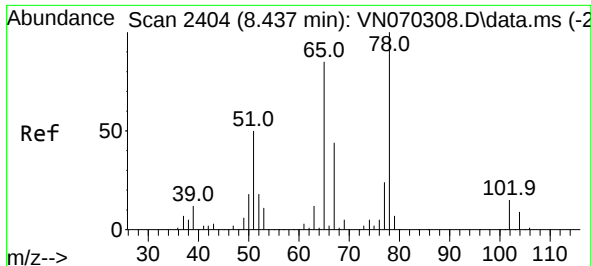
Delta R.T. -0.008 min

Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

Tgt Ion:	56	Resp:	18312
Ion Ratio	Lower	Upper	
56	100		
69	170.7	27.1	40.7#
84	137.2	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 54.417 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

Instrument :

MSVOA_N

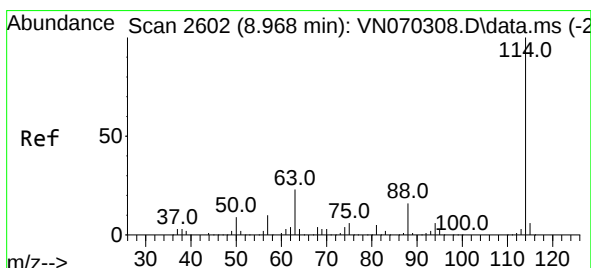
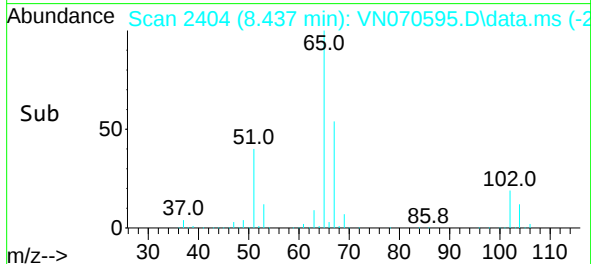
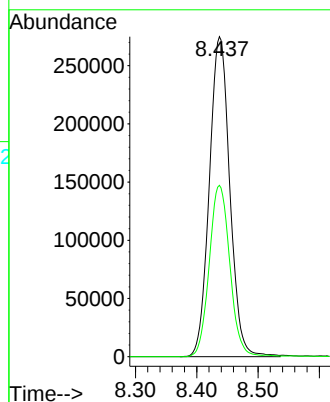
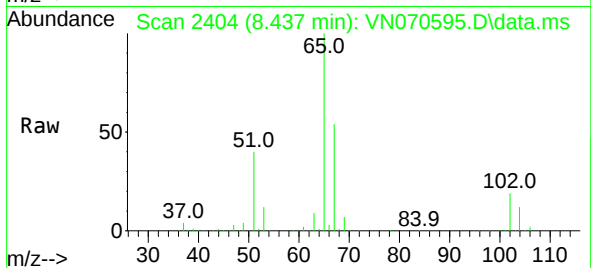
ClientSampleId :

Tgt Ion: 65 Resp: 637781

Ion Ratio Lower Upper

65 100

67 53.7 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: VN070595.D

Acq: 12 Jan 2022 18:58

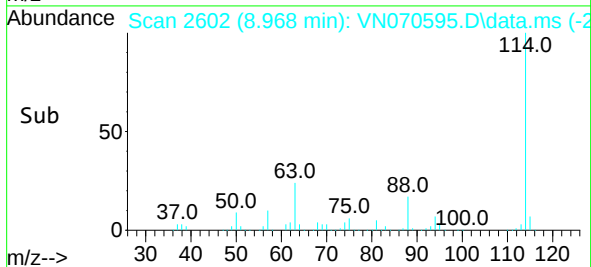
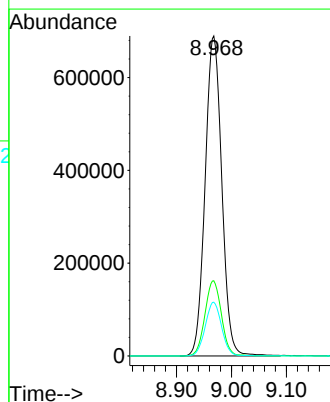
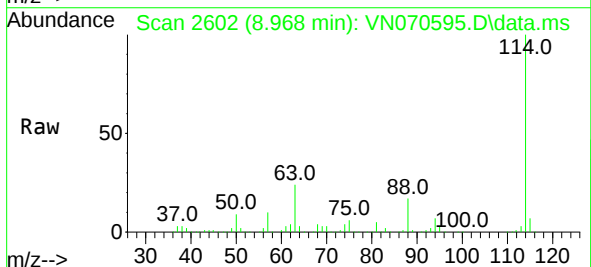
Tgt Ion: 114 Resp: 1452535

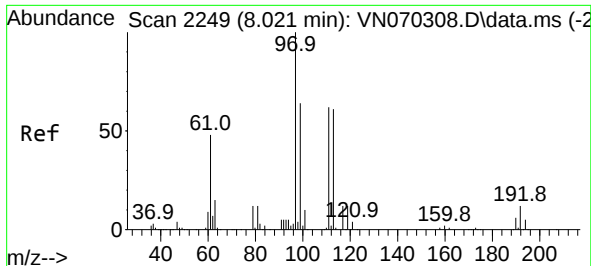
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.8 0.0 27.4

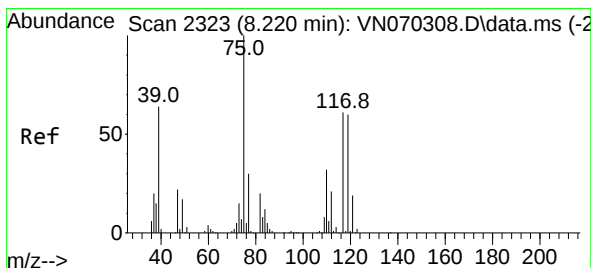
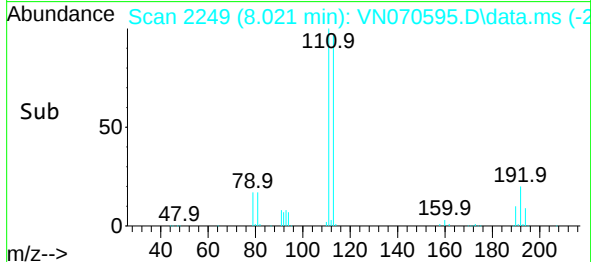
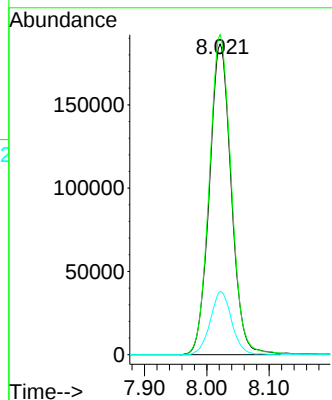
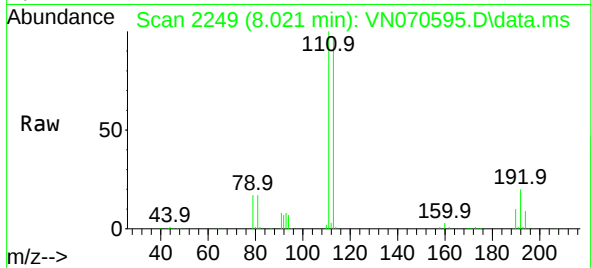




#35
Dibromofluoromethane
Concen: 51.825 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

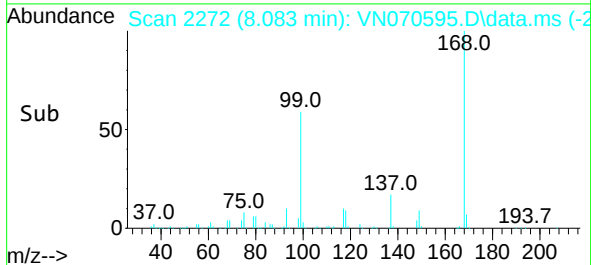
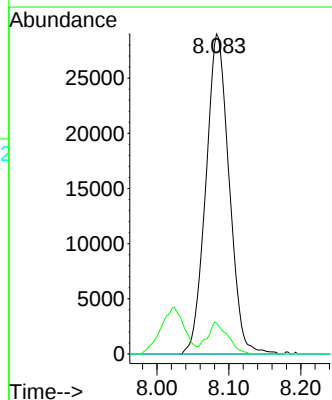
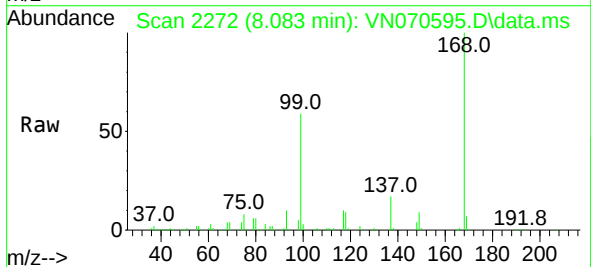
Instrument :
MSVOA_N
ClientSampleId :

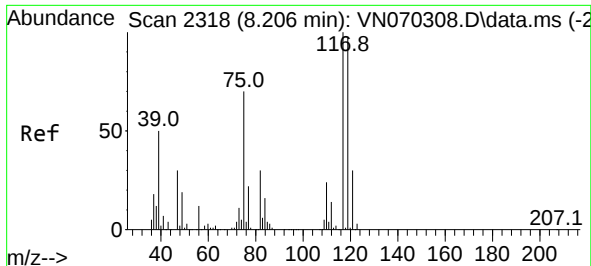
Tgt Ion:113 Resp: 455464
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.494 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

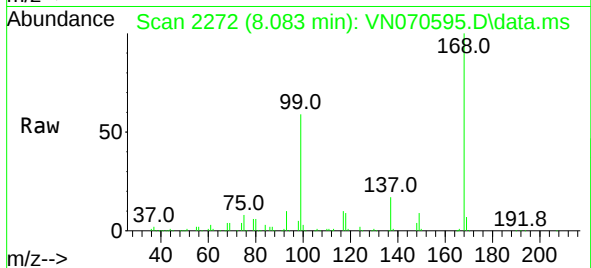
Tgt Ion: 75 Resp: 65343
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



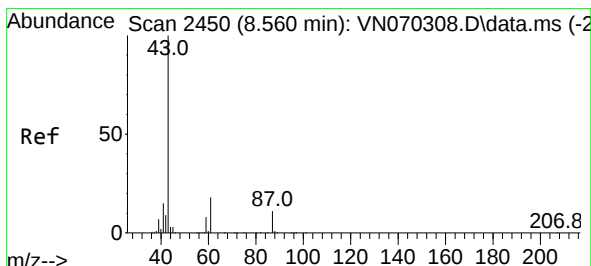
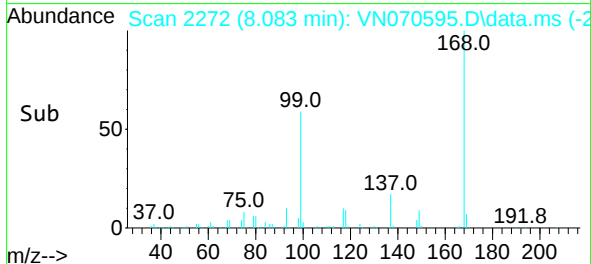
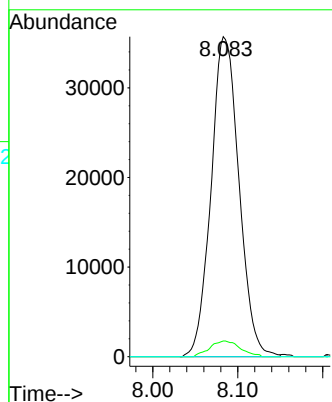


#38
Carbon Tetrachloride
Concen: 5.866 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.123 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Instrument :
MSVOA_N
ClientSampleId :

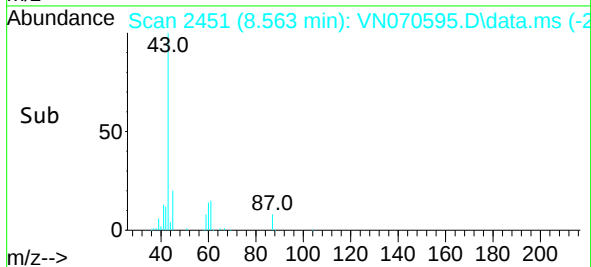
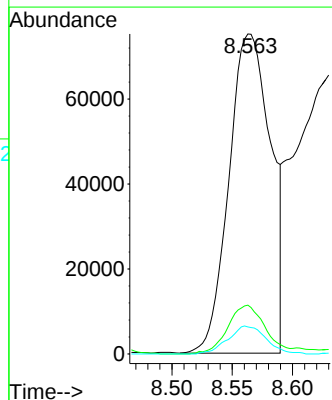
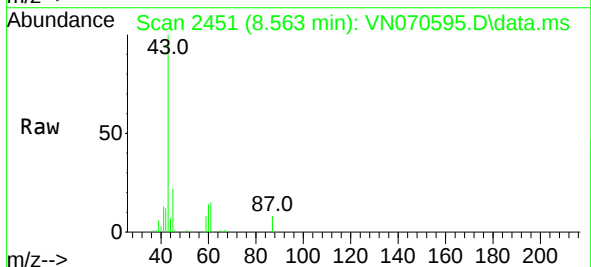


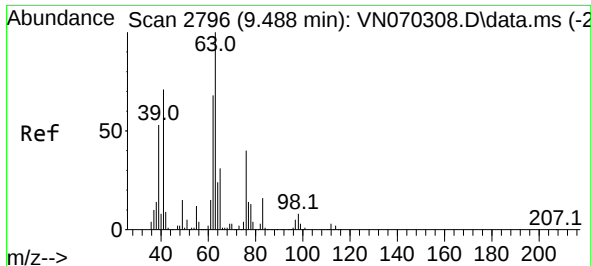
Tgt Ion:117 Resp: 81434
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.104 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Tgt Ion: 43 Resp: 181372
Ion Ratio Lower Upper
43 100
61 13.7 20.4 30.6#
87 8.0 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.740 ug/l

RT: 9.622 min Scan# 2816

Delta R.T. 0.134 min

Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

Instrument :

MSVOA_N

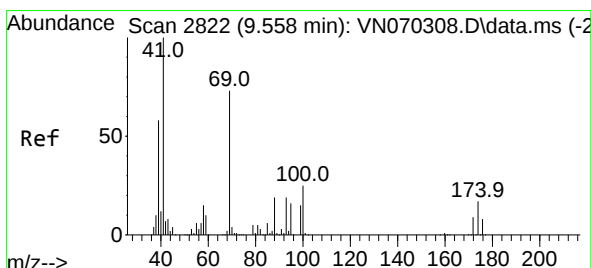
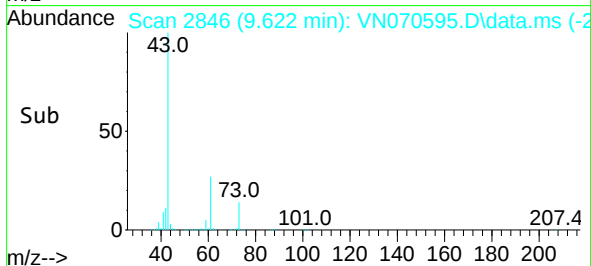
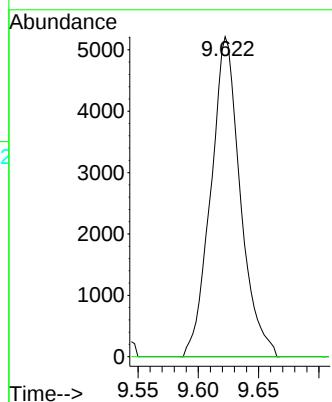
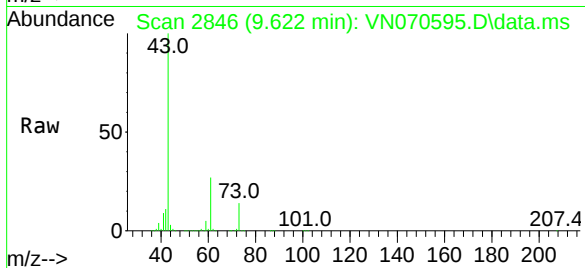
ClientSampleId :

Tgt Ion: 63 Resp: 8881

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 2.493 ug/l

RT: 9.542 min Scan# 2816

Delta R.T. -0.016 min

Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

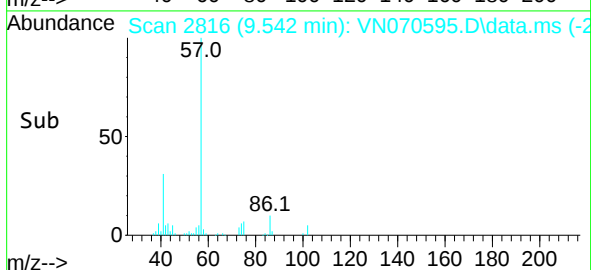
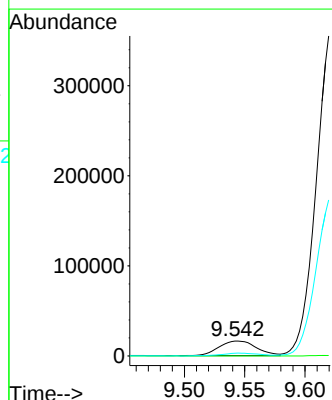
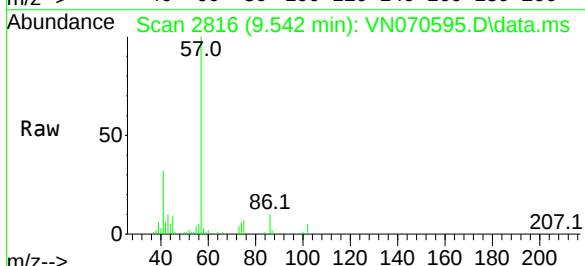
Tgt Ion: 41 Resp: 35332

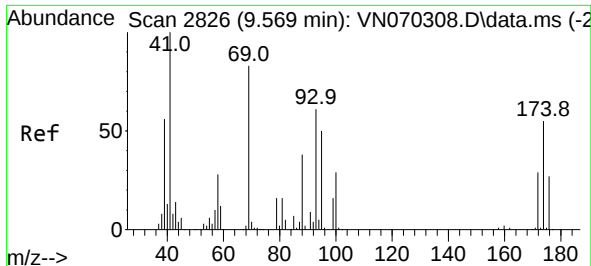
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 1.947 ug/l

RT: 9.617 min Scan# 21

Delta R.T. 0.048 min

Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

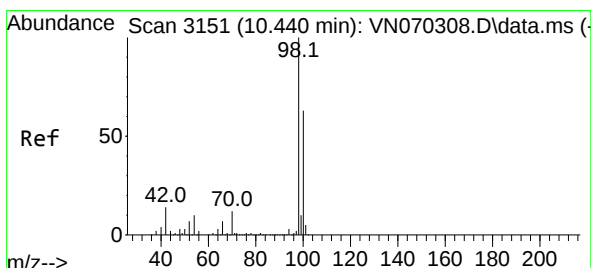
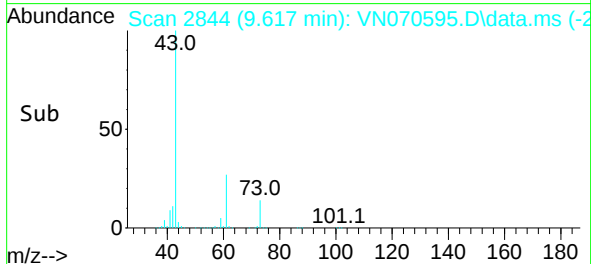
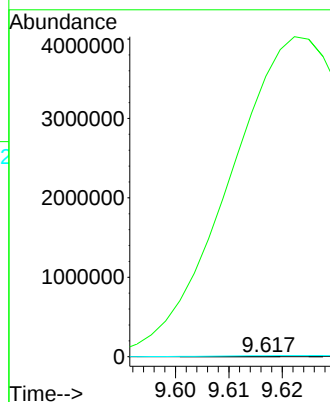
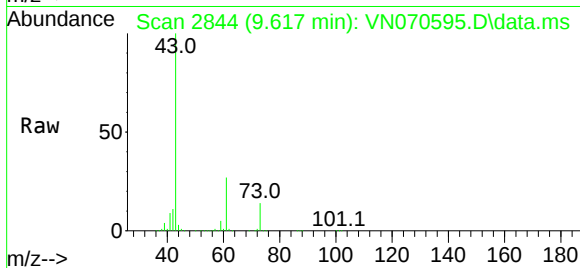
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

88 100

43 1884127.7 23.4 35.2#

58 7314.1 50.6 75.8#



#50

Toluene-d8

Concen: 51.354 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070595.D

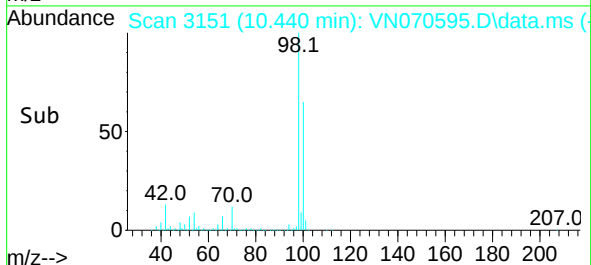
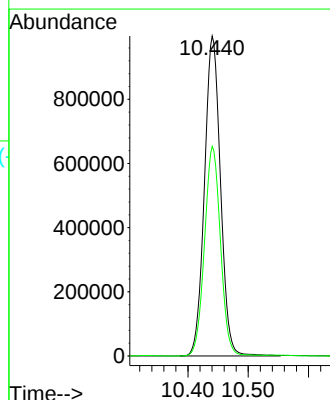
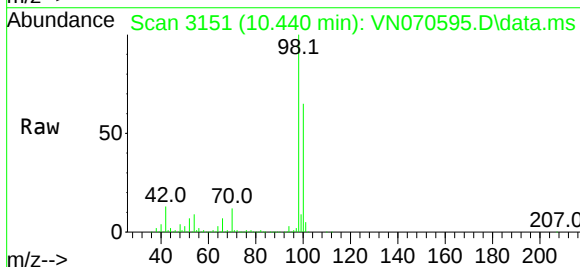
Acq: 12 Jan 2022 18:58

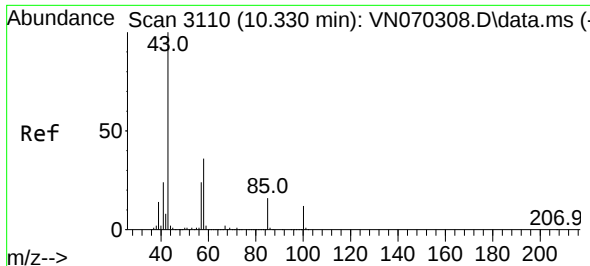
Tgt Ion: 98 Resp: 1843731

Ion Ratio Lower Upper

98 100

100 65.2 50.4 75.6

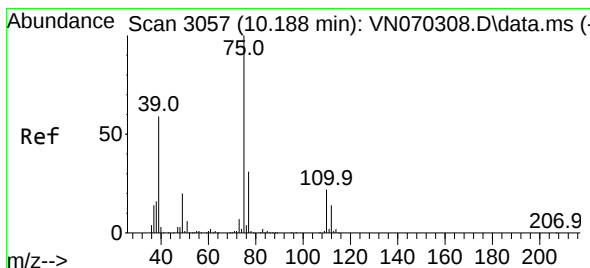
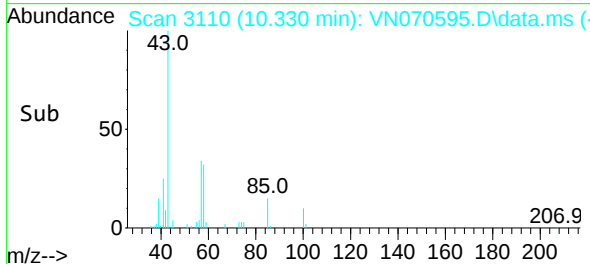
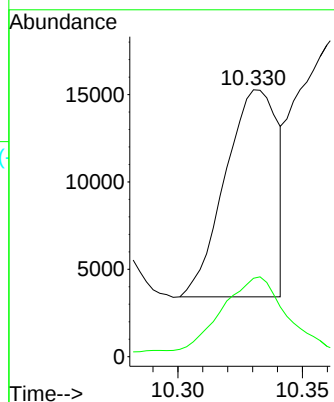
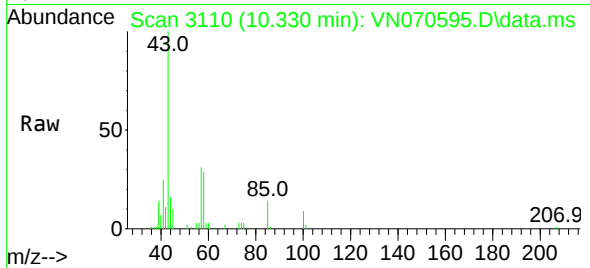




#51
4-Methyl-2-Pentanone
Concen: 0.929 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

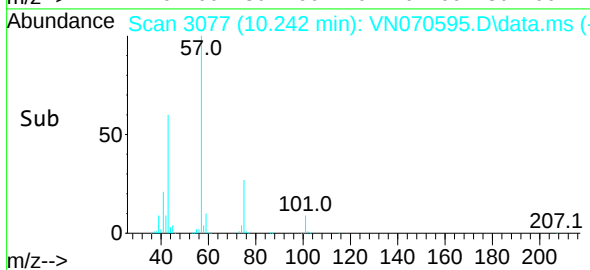
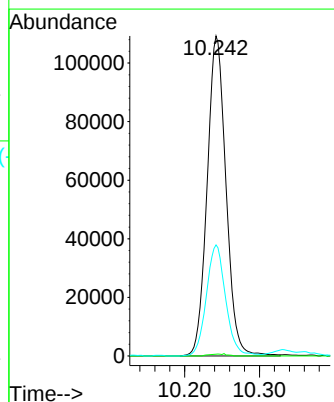
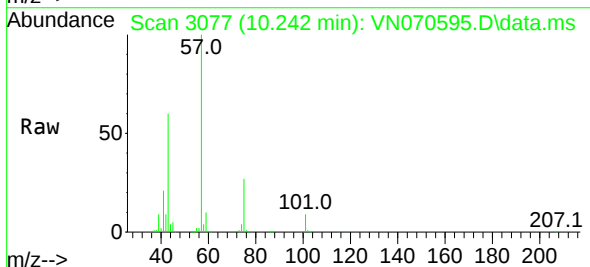
Instrument :
MSVOA_N
ClientSampleId :

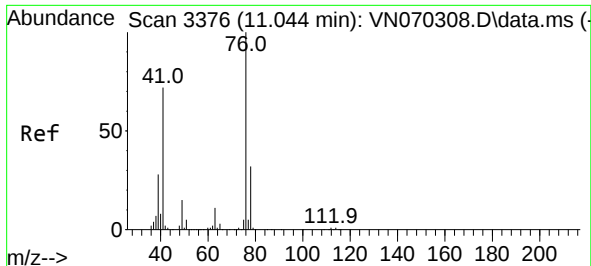
Tgt Ion: 43 Resp: 17349
Ion Ratio Lower Upper
43 100
58 49.1 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 11.024 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Tgt Ion: 75 Resp: 191287
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 34.7 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 6.033 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

Instrument :

MSVOA_N

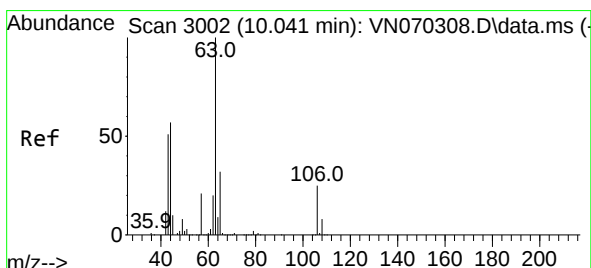
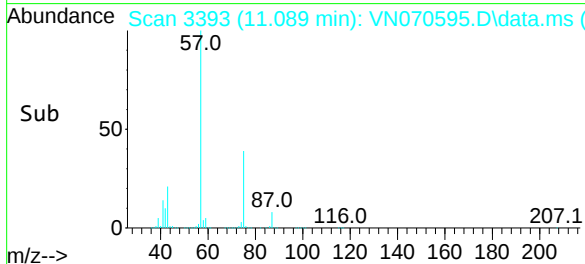
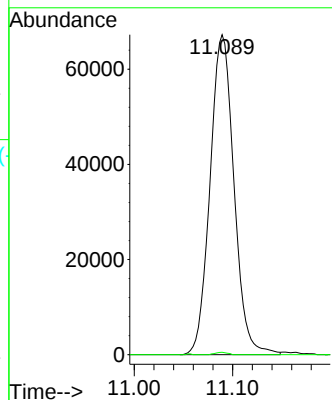
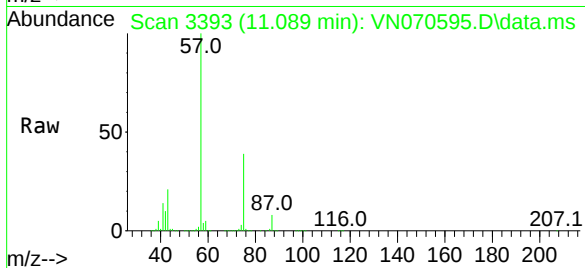
ClientSampleId :

Tgt Ion: 76 Resp: 113907

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.556 ug/l

RT: 10.046 min Scan# 3004

Delta R.T. 0.005 min

Lab File: VN070595.D

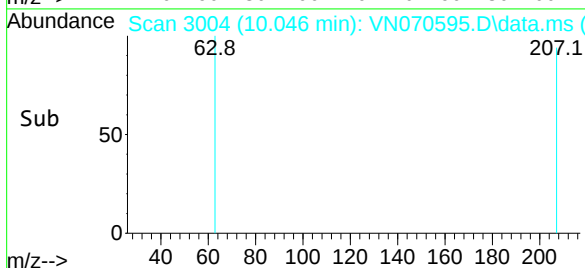
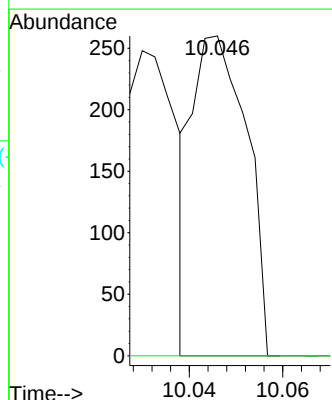
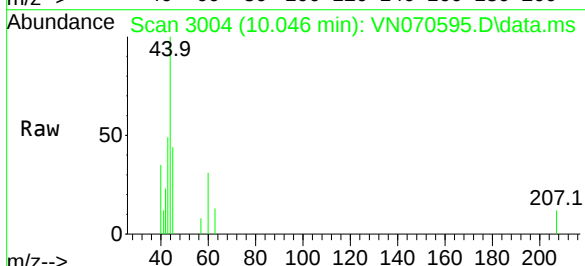
Acq: 12 Jan 2022 18:58

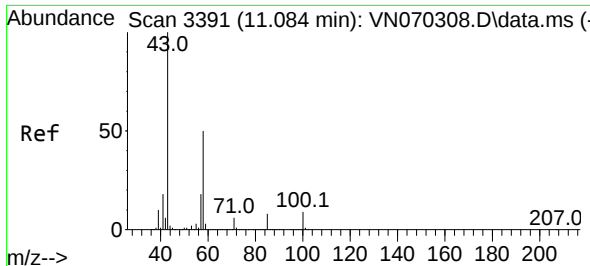
Tgt Ion: 63 Resp: 209

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

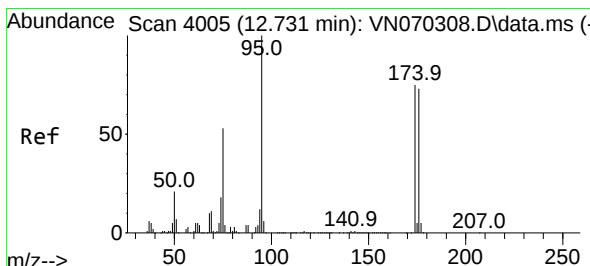
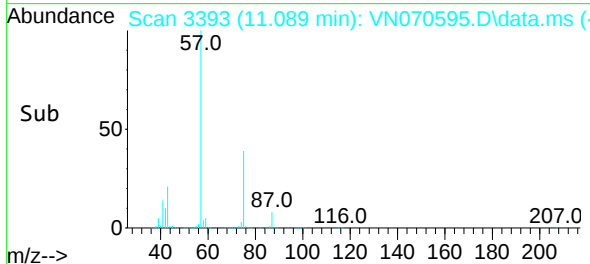
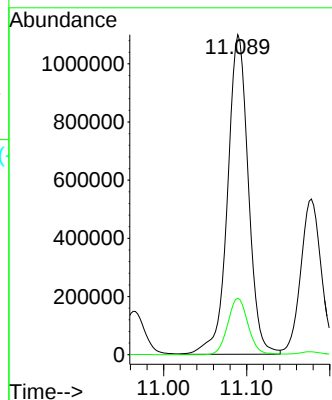
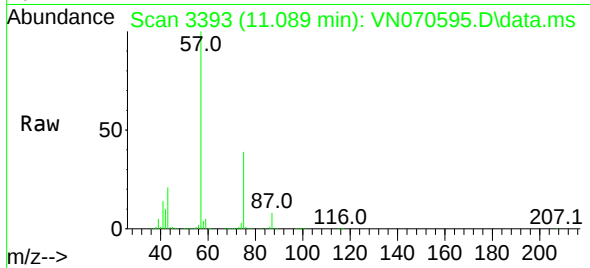




#59
2-Hexanone
Concen: 140.550 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

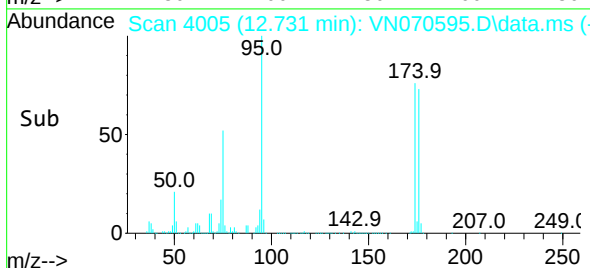
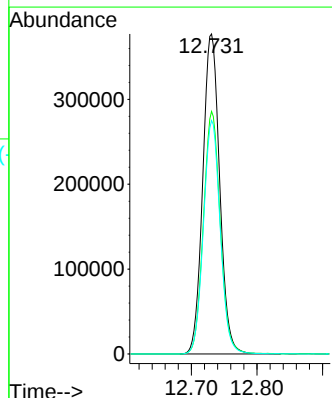
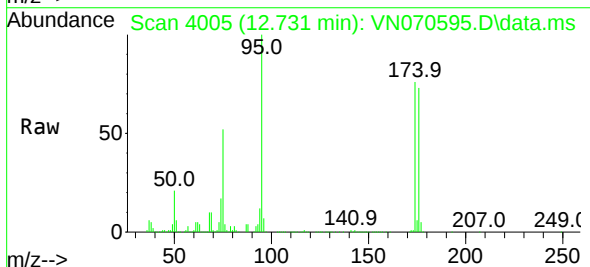
Instrument :
MSVOA_N
ClientSampleId :

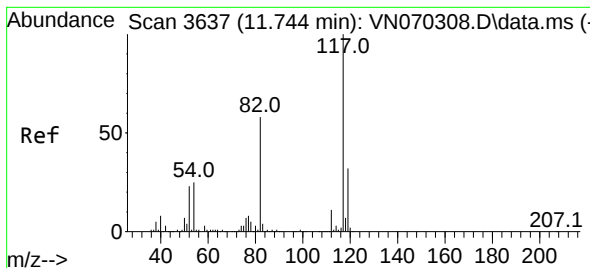
Tgt Ion: 43 Resp: 1913552
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.040 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Tgt Ion: 95 Resp: 674812
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.4 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

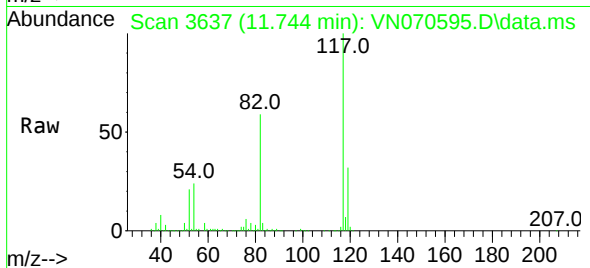
Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :



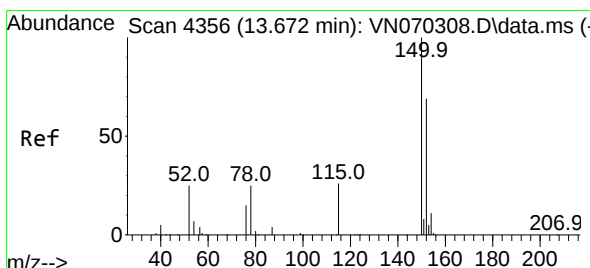
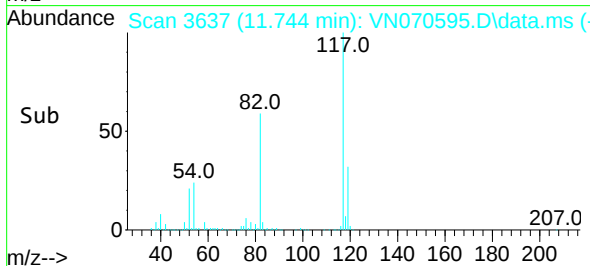
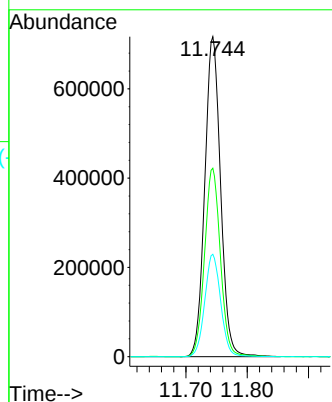
Tgt Ion:117 Resp: 1283736

Ion Ratio Lower Upper

117 100

82 58.9 42.4 63.6

119 32.0 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. 0.003 min

Lab File: VN070595.D

Acq: 12 Jan 2022 18:58

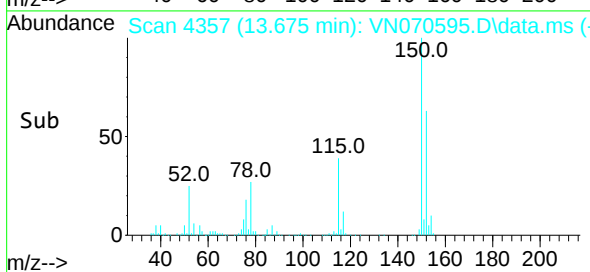
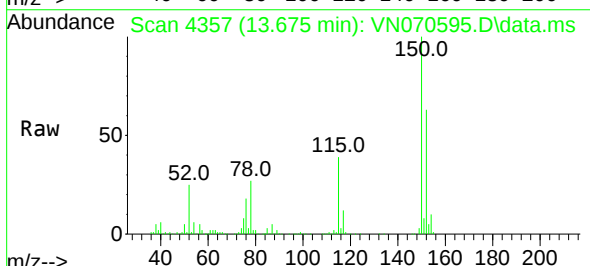
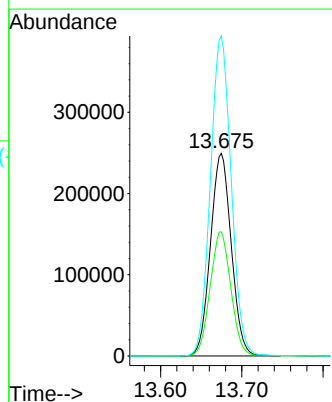
Tgt Ion:152 Resp: 443934

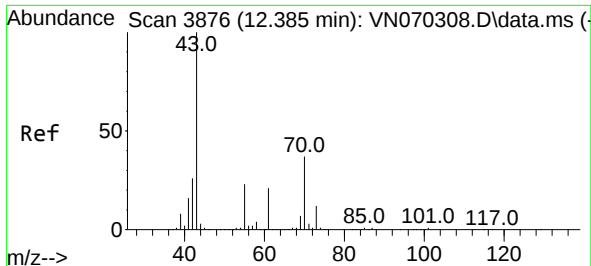
Ion Ratio Lower Upper

152 100

115 61.2 27.5 82.5

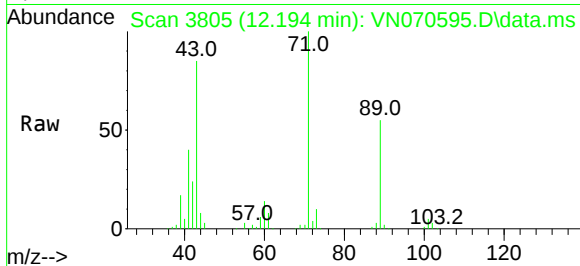
150 158.0 0.0 344.4



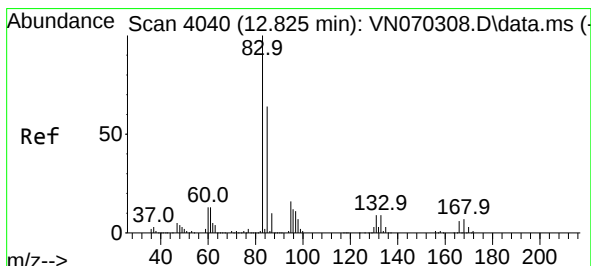
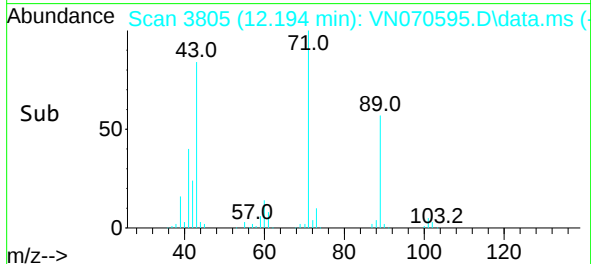
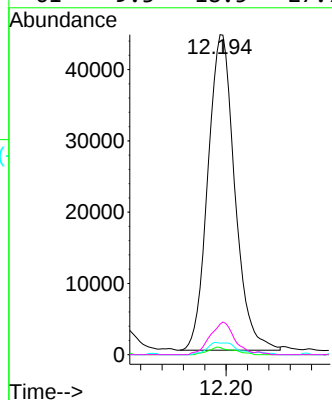


#74
N-amy1 acetate
Concen: 4.468 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Instrument :
MSVOA_N
ClientSampleId :

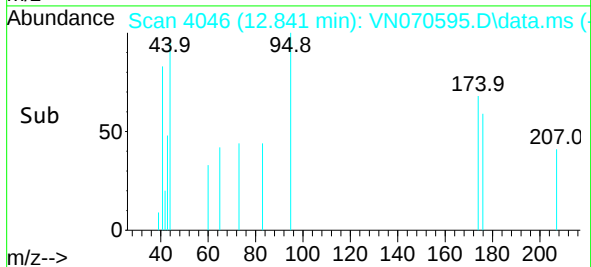
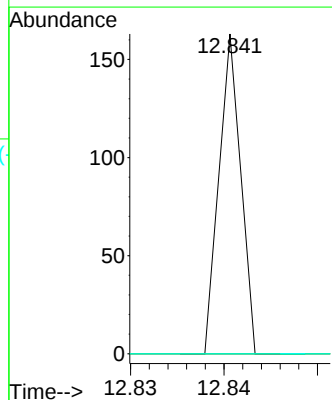
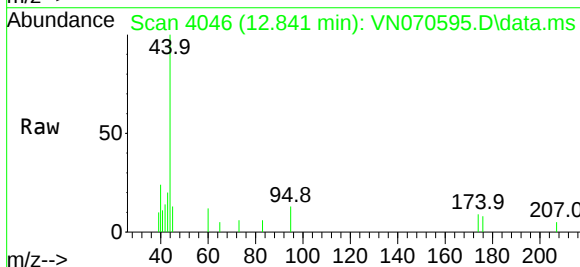


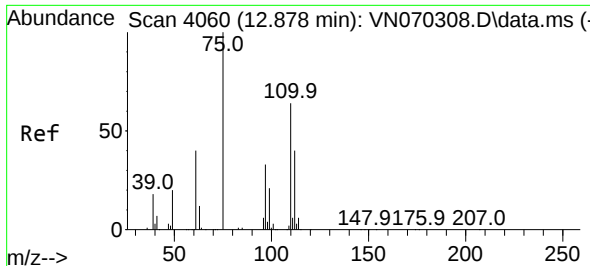
Tgt Ion:	43	Resp:	77444
Ion	Ratio	Lower	Upper
43	100		
70	2.2	33.4	50.0#
55	4.2	19.3	28.9#
61	9.3	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.449 ug/l
RT: 12.841 min Scan# 4046
Delta R.T. 0.016 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Tgt Ion:	83	Resp:	26
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	0.0	32.4	97.2#

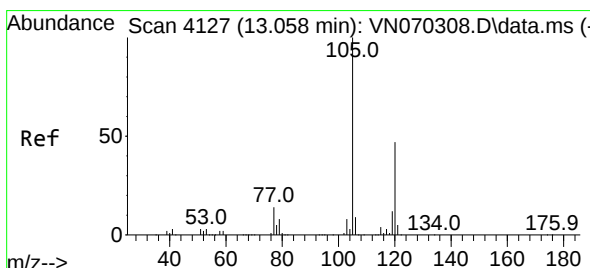
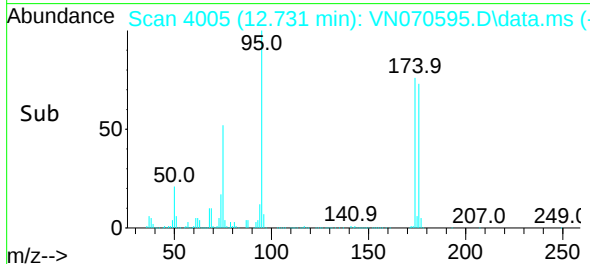
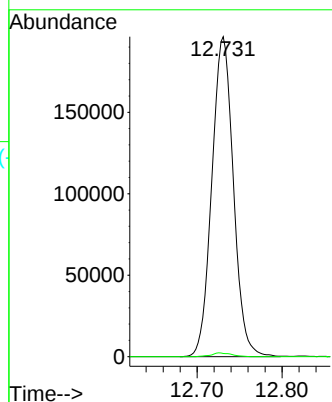
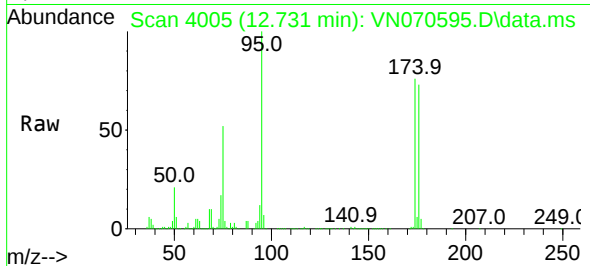




#76
1,2,3-Trichloropropane
Concen: 27.669 ug/l
RT: 12.731 min Scan# 4060
Delta R.T. -0.147 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

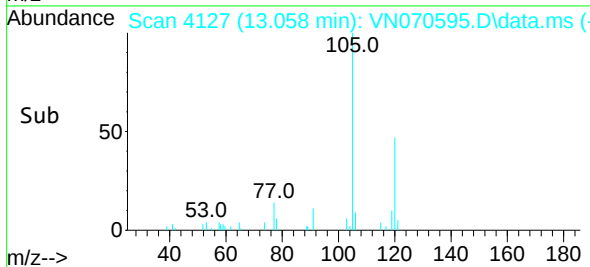
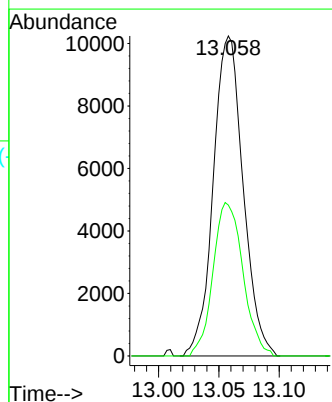
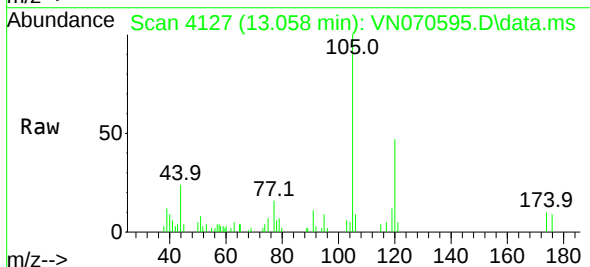
Instrument :
MSVOA_N
ClientSampleId :

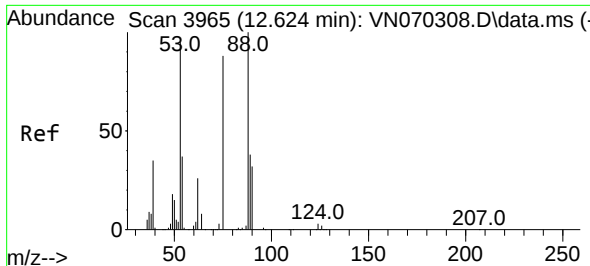
Tgt Ion: 75 Resp: 346663
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.534 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

Tgt Ion: 105 Resp: 17638
Ion Ratio Lower Upper
105 100
120 48.0 24.6 73.6

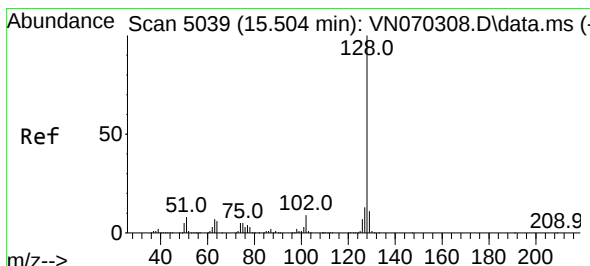
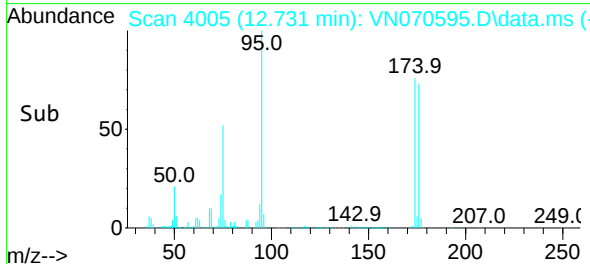
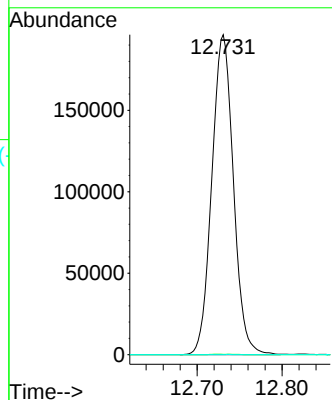
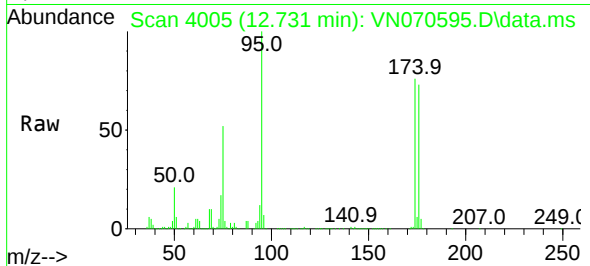




#81
trans-1,4-Dichloro-2-butene
Concen: 95.407 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

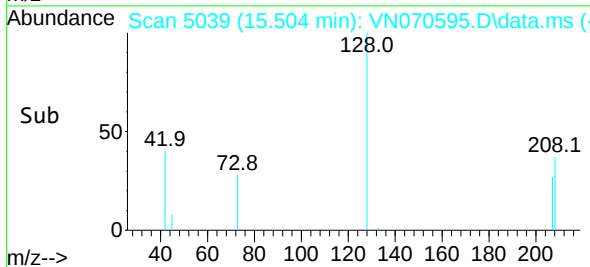
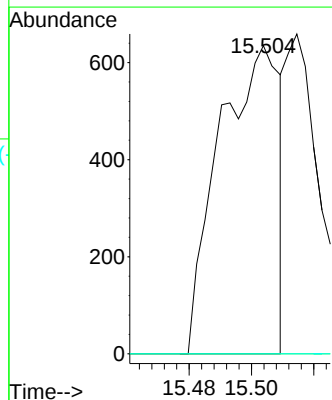
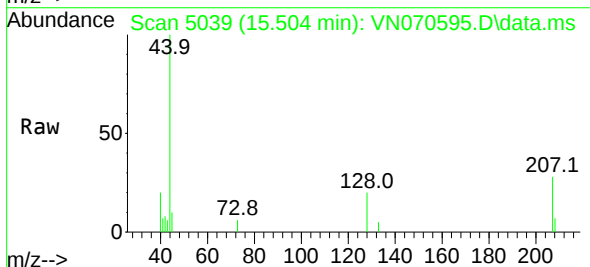
Instrument :
MSVOA_N
ClientSampleId :

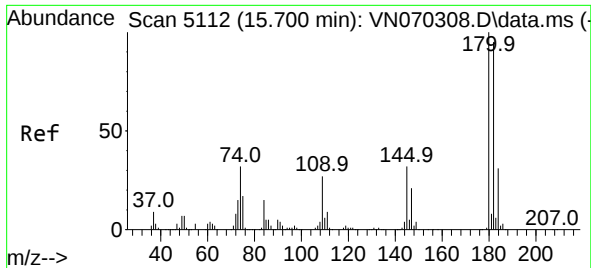
Tgt Ion: 75 Resp: 346663
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.837 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070595.D
Acq: 12 Jan 2022 18:58

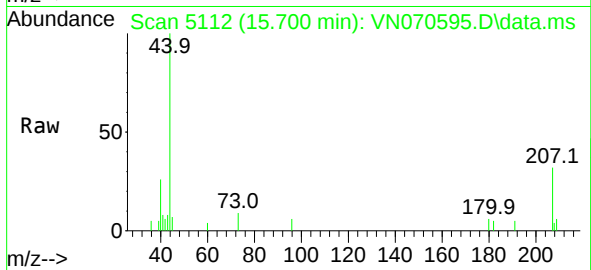
Tgt Ion: 128 Resp: 851
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.840 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070595.D
 Acq: 12 Jan 2022 18:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 99
 Ion Ratio Lower Upper
 180 100
 182 224.2 47.4 142.2#
 145 0.0 15.0 45.1#

