

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
 Data File : VN070254.D
 Acq On : 20 Dec 2021 20:59
 Operator : JC/MD
 Sample : M2129-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 04:09:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

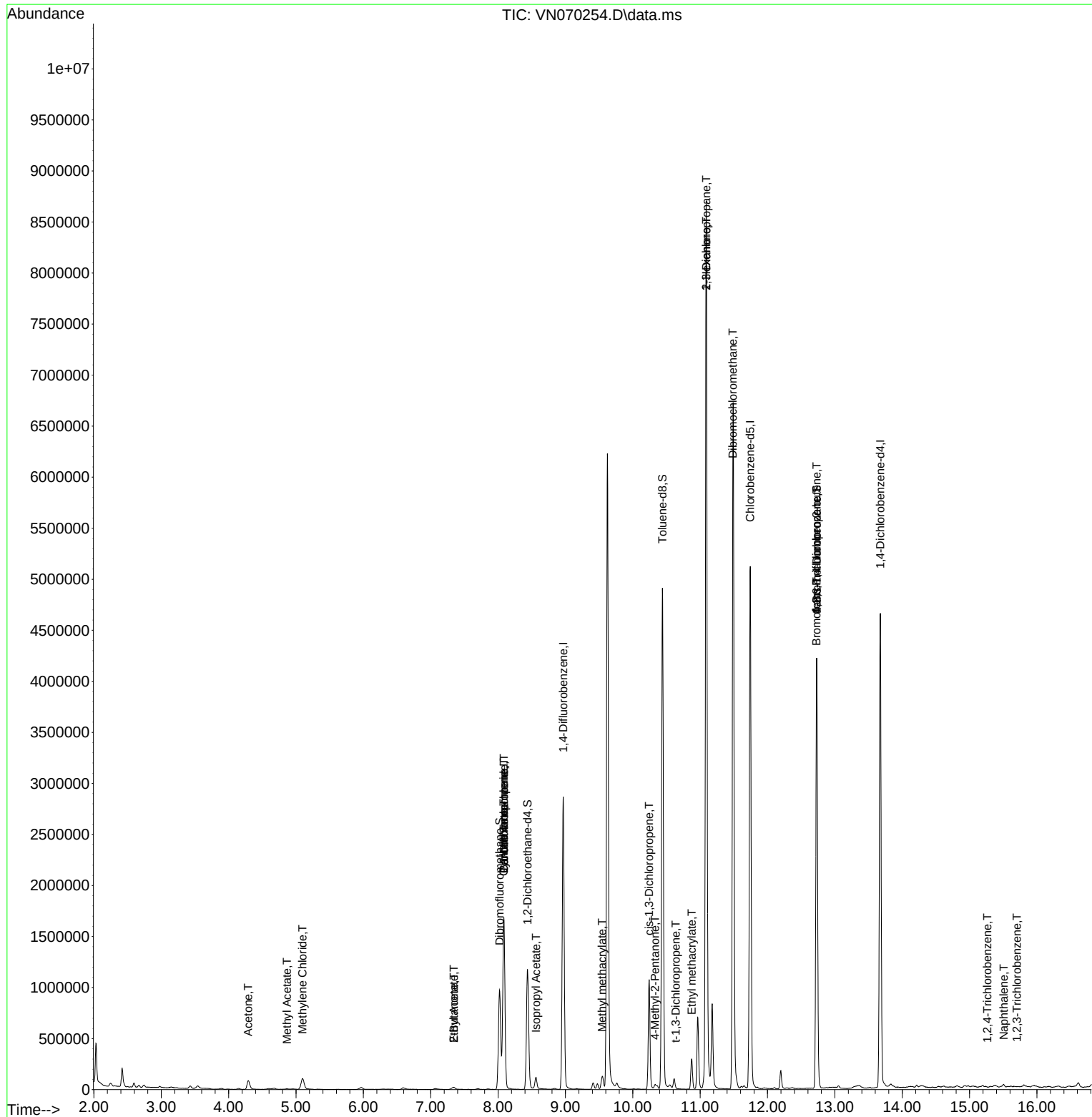
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1266317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2390558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2840242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1235483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1029706	52.665	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.340%	
35) Dibromofluoromethane	8.021	113	712253	47.566	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.140%	
50) Toluene-d8	10.440	98	3346710	55.662	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 111.320%	
62) 4-Bromofluorobenzene	12.731	95	1507482	69.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 138.420%#	
Target Compounds						Qvalue
16) Acetone	4.291	43	158861	13.507	ug/l	98
18) Methyl Acetate	4.867	43	10467	0.295	ug/l #	68
20) Methylene Chloride	5.095	84	79123	5.061	ug/l	90
25) 2-Butanone	7.343	43	31177	1.951	ug/l	93
31) Cyclohexane	8.083	56	31622	1.162	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	106958	4.700	ug/l #	49
37) Ethyl Acetate	7.343	43	31177	0.920	ug/l #	69
38) Carbon Tetrachloride	8.086	117	127812	5.727	ug/l #	16
43) Isopropyl Acetate	8.563	43	134456	2.682	ug/l #	87
48) Methyl methacrylate	9.545	41	39873	1.705	ug/l #	30
51) 4-Methyl-2-Pentanone	10.330	43	24338	0.748	ug/l	92
53) t-1,3-Dichloropropene	10.639	75	51	2.796	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	183653	8.020	ug/l #	67
56) Ethyl methacrylate	10.875	69	1539	2.325	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	87307	2.894	ug/l #	43
59) 2-Hexanone	11.089	43	1557708	63.326	ug/l #	47
60) Dibromochloromethane	11.484	129	1212	2.439	ug/l #	11
71) Bromoform	12.725	173	3432	2.918	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	820687	23.163	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	820687	73.714	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	307	2.892	ug/l #	74
95) Naphthalene	15.507	128	26088	4.383	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.702	180	516	2.460	ug/l #	46

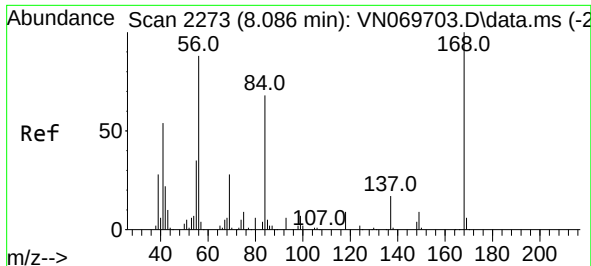
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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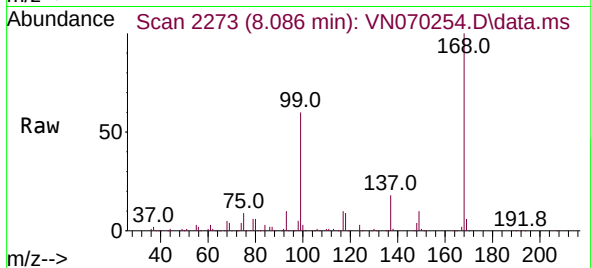
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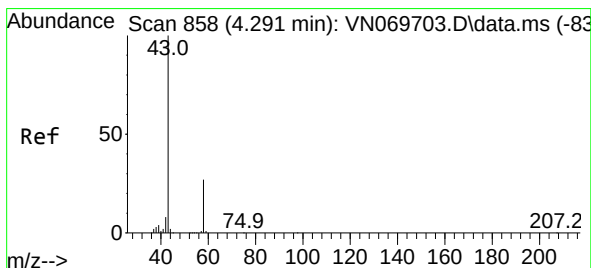
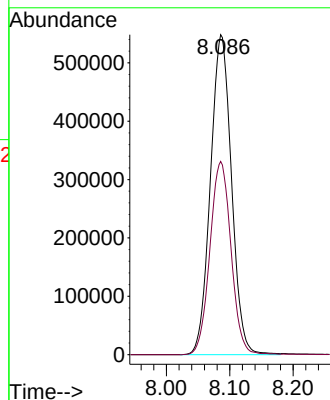
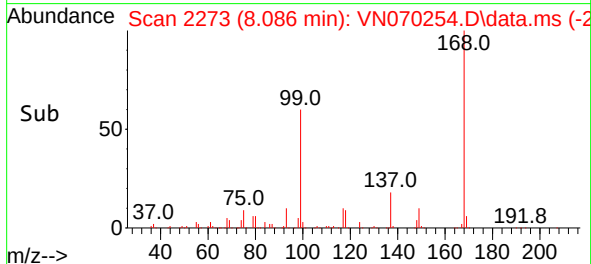


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Instrument :
MSVOA_N
ClientSampleId :

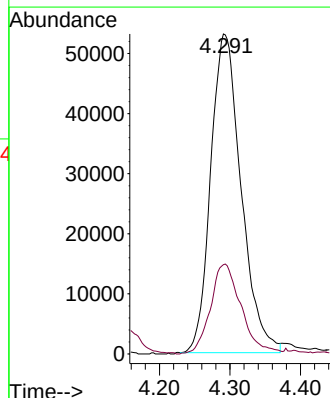
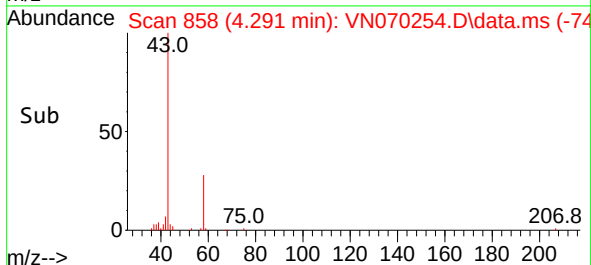
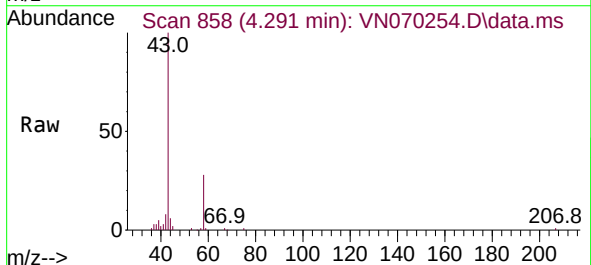


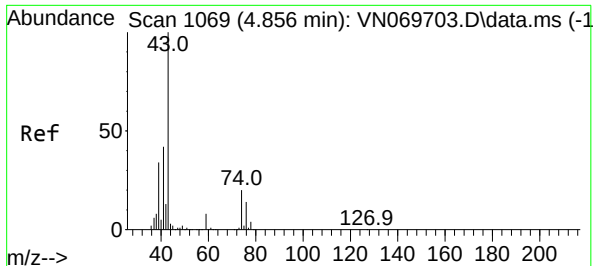
Tgt Ion:168 Resp: 1266317
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#16
Acetone
Concen: 13.507 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 43 Resp: 158861
Ion Ratio Lower Upper
43 100
58 28.0 23.1 34.7





#18

Methyl Acetate

Concen: 0.295 ug/l

RT: 4.867 min Scan# 1069

Delta R.T. 0.011 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Instrument :

MSVOA_N

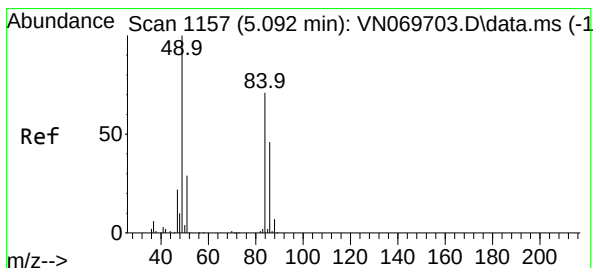
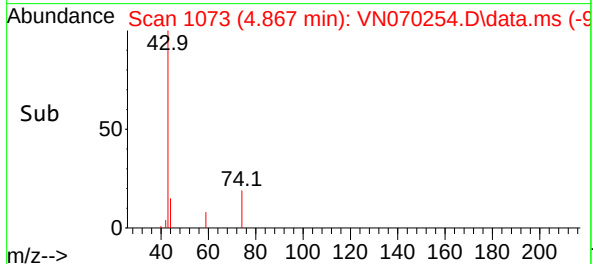
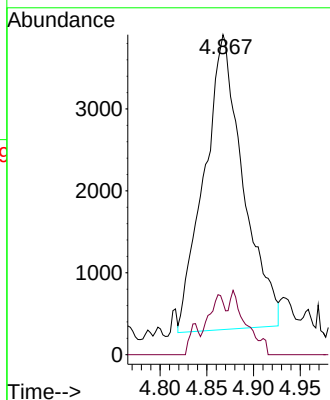
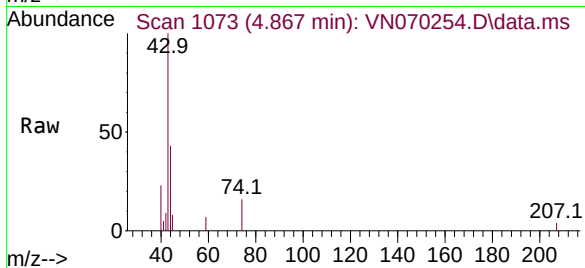
ClientSampleId :

Tgt Ion: 43 Resp: 10467

Ion Ratio Lower Upper

43 100

74 8.4 19.4 29.2#



#20

Methylene Chloride

Concen: 5.061 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Tgt Ion: 84 Resp: 79123

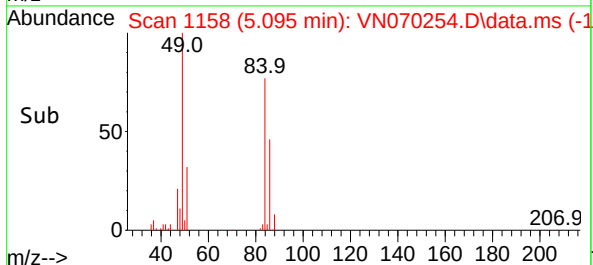
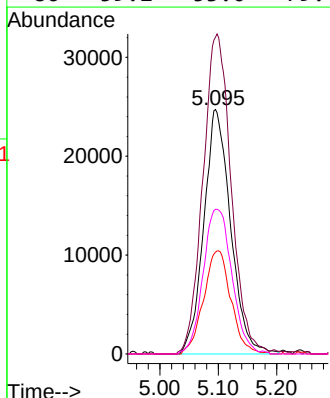
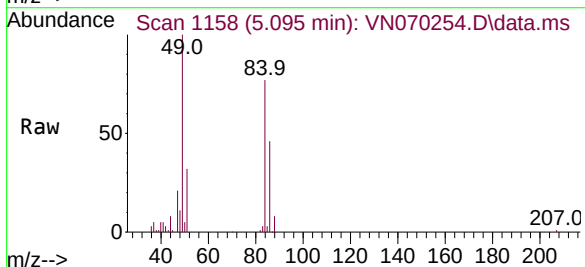
Ion Ratio Lower Upper

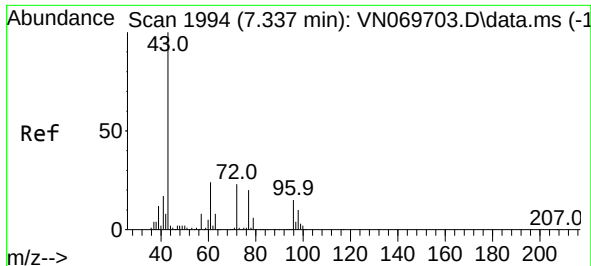
84 100

49 128.7 93.5 140.3

51 41.6 29.4 44.2

86 59.2 53.0 79.4





#25

2-Butanone

Concen: 1.951 ug/l

RT: 7.343 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Instrument :

MSVOA_N

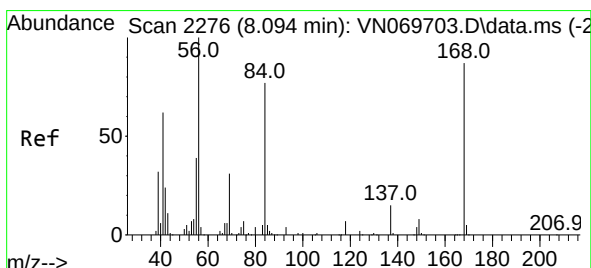
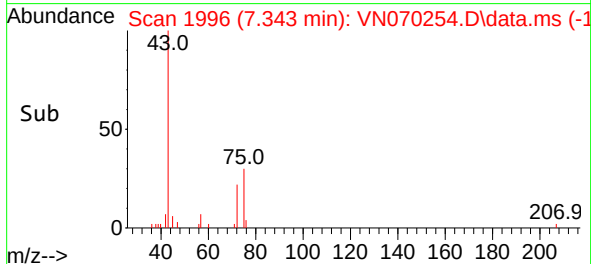
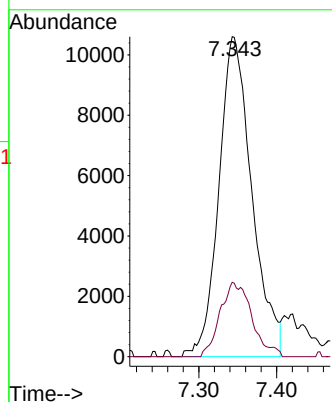
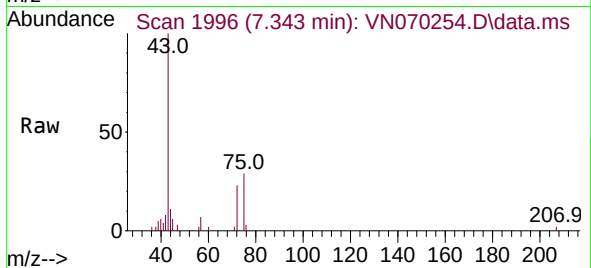
ClientSampleId :

Tgt Ion: 43 Resp: 31177

Ion Ratio Lower Upper

43 100

72 23.3 21.7 32.5



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

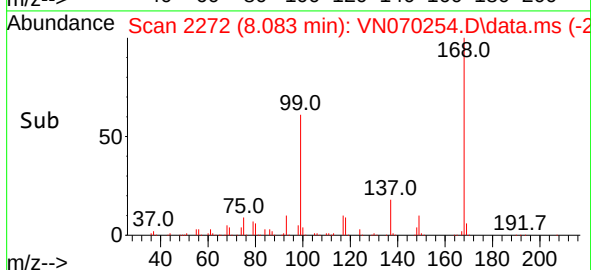
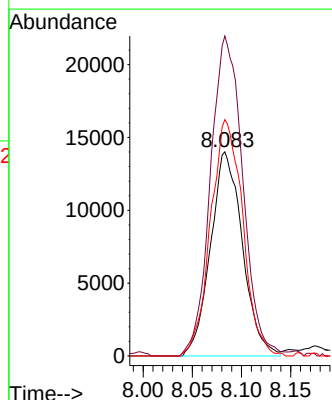
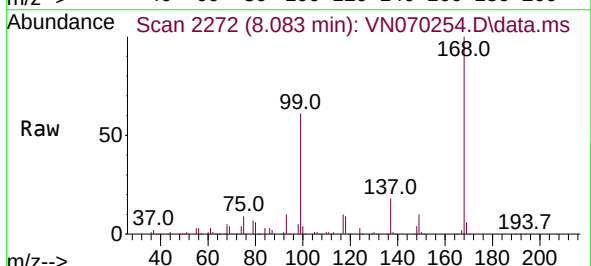
Tgt Ion: 56 Resp: 31622

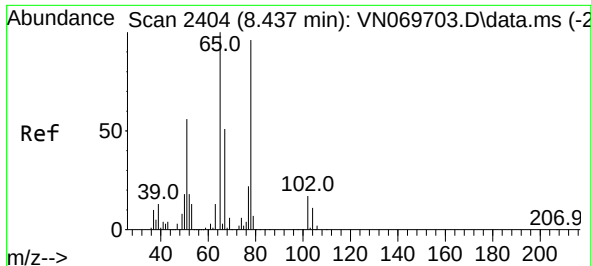
Ion Ratio Lower Upper

56 100

69 156.7 27.1 40.7#

84 115.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.665 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Instrument :

MSVOA_N

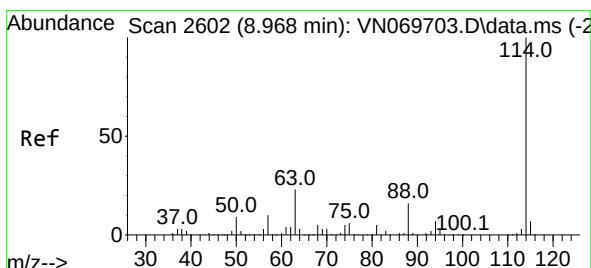
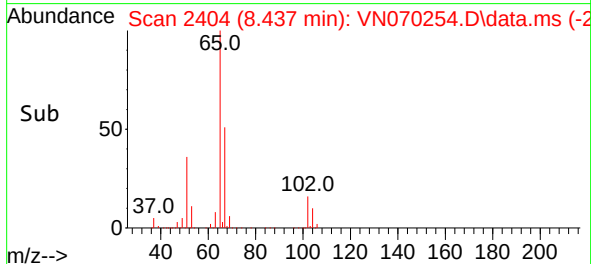
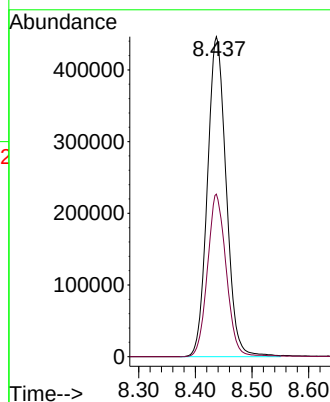
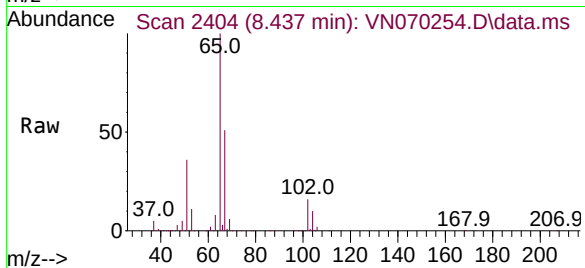
ClientSampleId :

Tgt Ion: 65 Resp: 1029706

Ion Ratio Lower Upper

65 100

67 50.5 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: VN070254.D

Acq: 20 Dec 2021 20:59

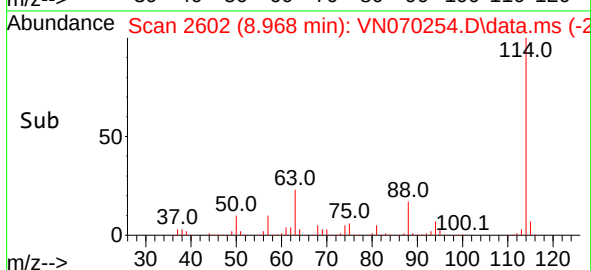
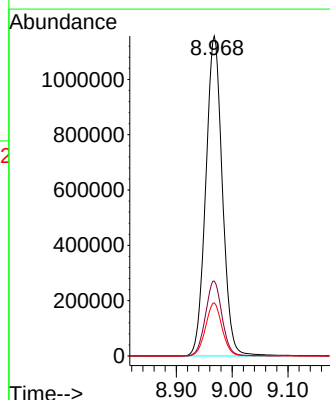
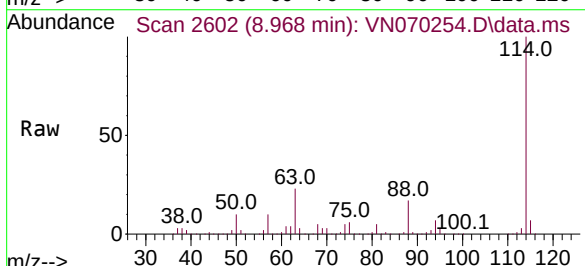
Tgt Ion: 114 Resp: 2390558

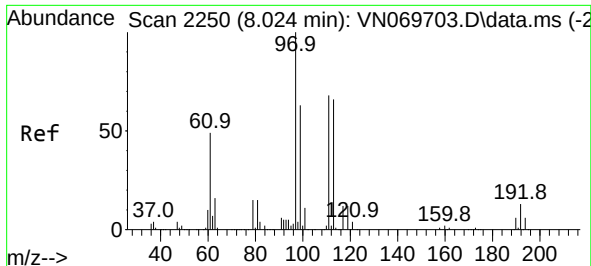
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

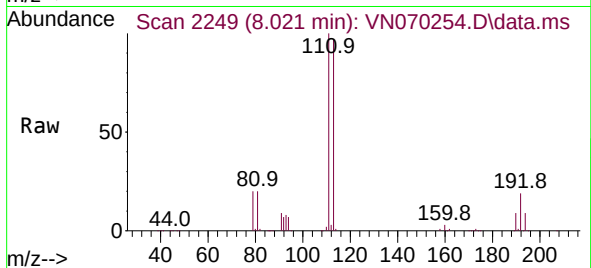
88 16.6 0.0 27.4



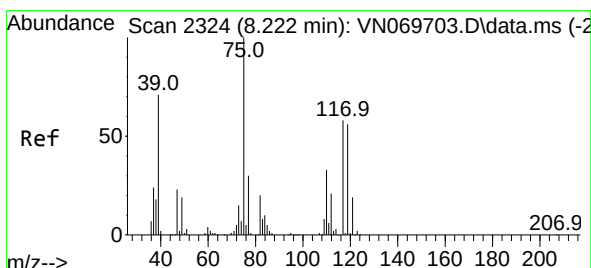
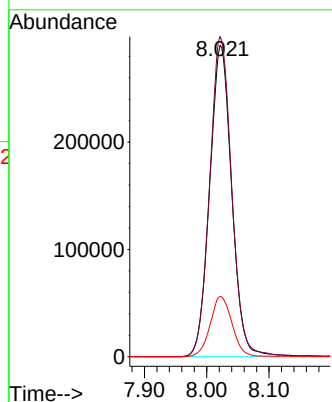
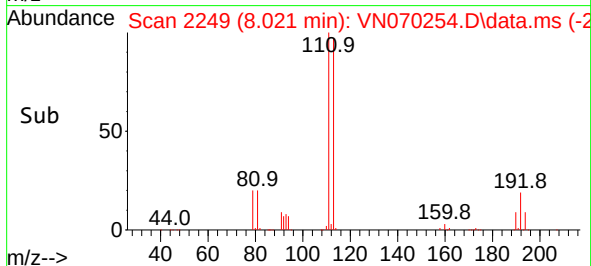


#35
Dibromofluoromethane
Concen: 47.566 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Instrument :
MSVOA_N
ClientSampleId :

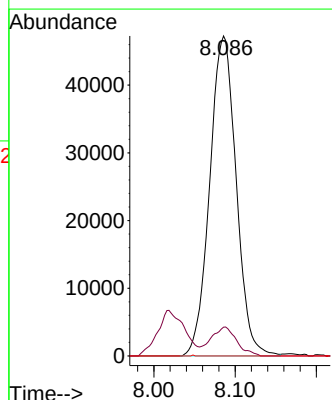
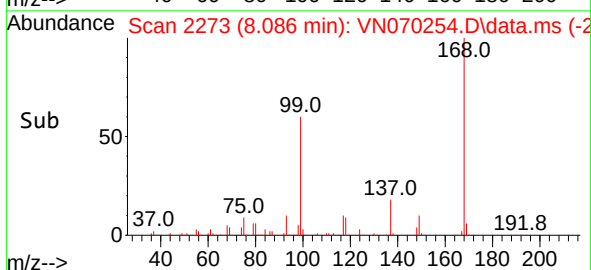
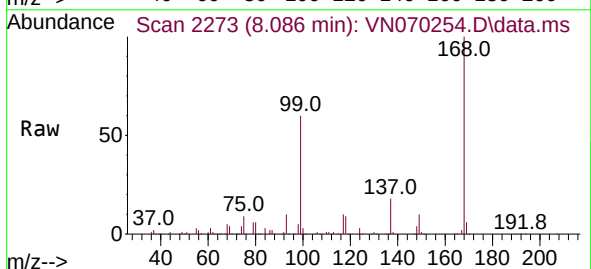


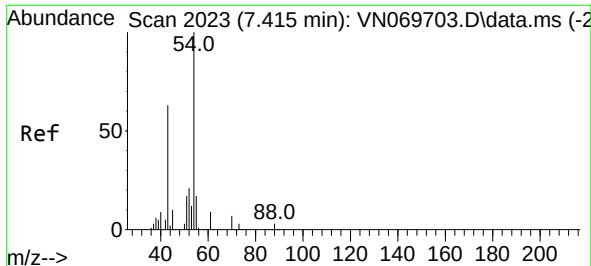
Tgt Ion:113 Resp: 712253
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 75 Resp: 106958
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.920 ug/l

RT: 7.343 min Scan# 19

Delta R.T. -0.072 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Instrument :

MSVOA_N

ClientSampleId :

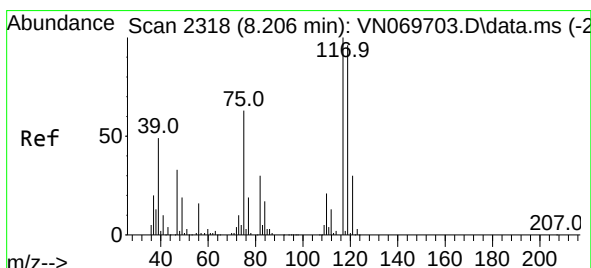
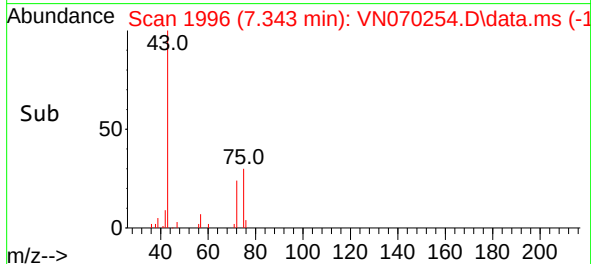
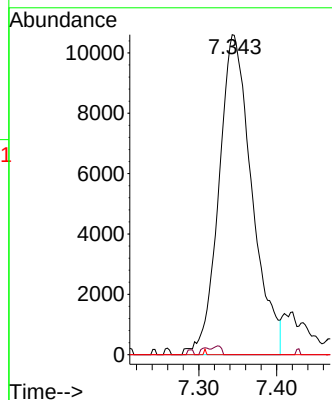
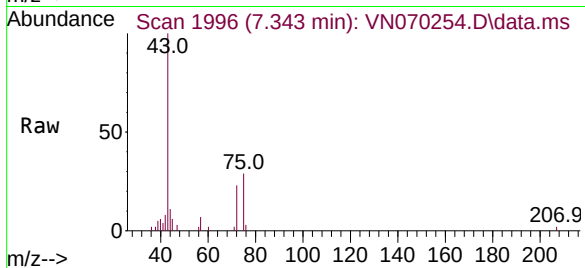
Tgt Ion: 43 Resp: 31177

Ion Ratio Lower Upper

43 100

61 0.7 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.727 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.121 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

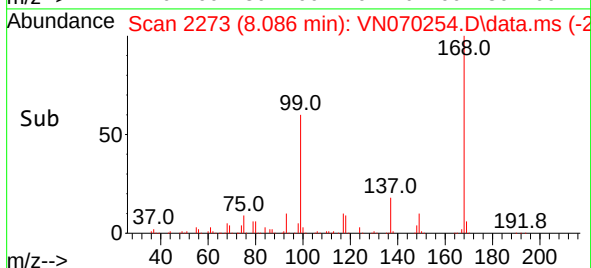
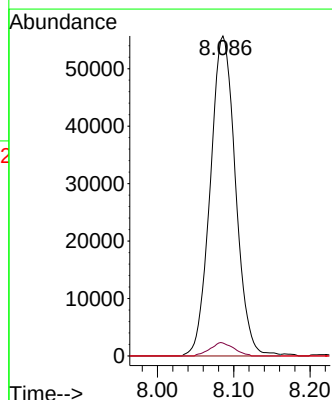
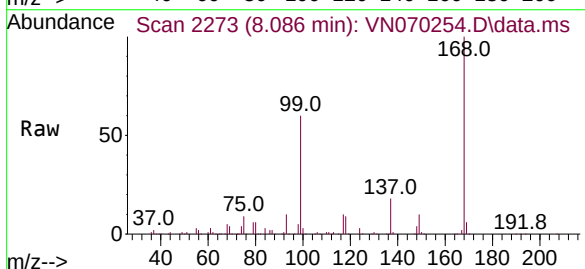
Tgt Ion: 117 Resp: 127812

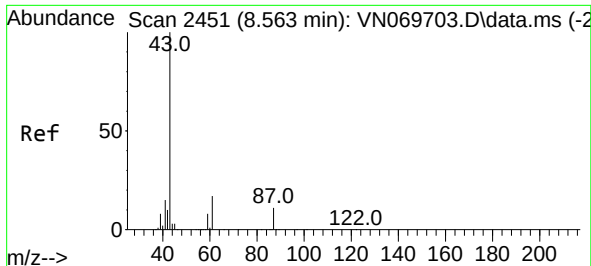
Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

121 0.0 24.2 36.2#

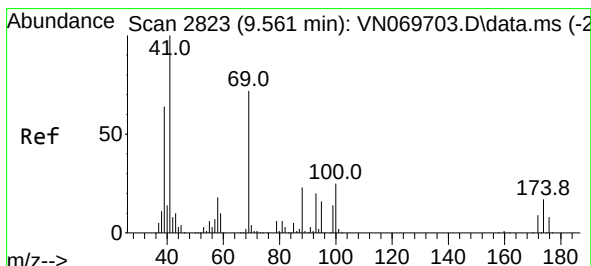
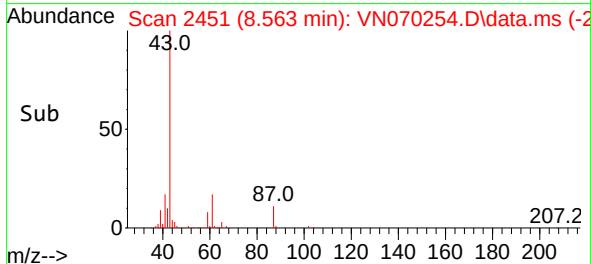
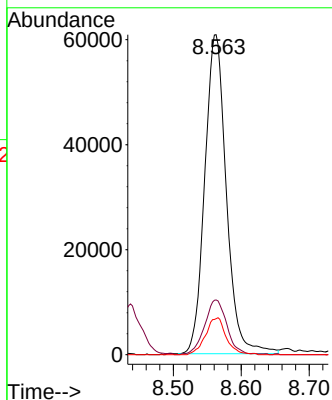
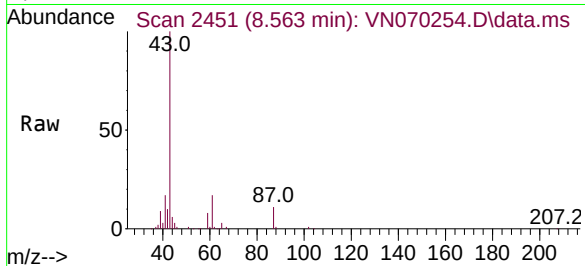




#43
Isopropyl Acetate
Concen: 2.682 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

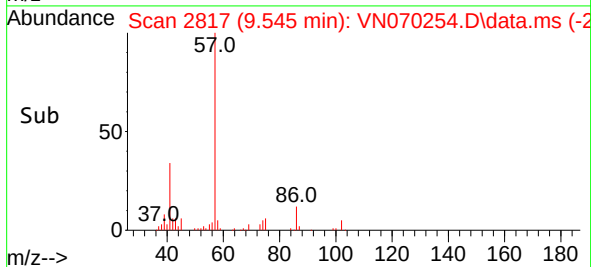
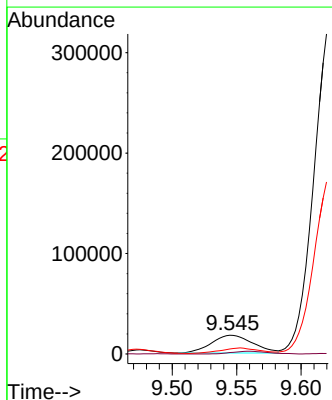
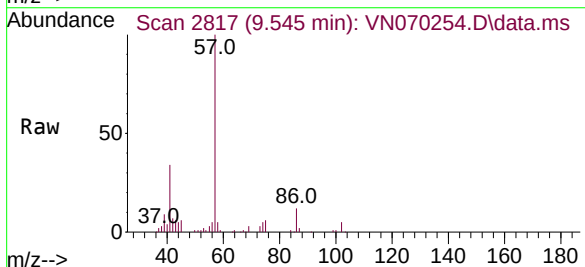
Instrument :
MSVOA_N
ClientSampleId :

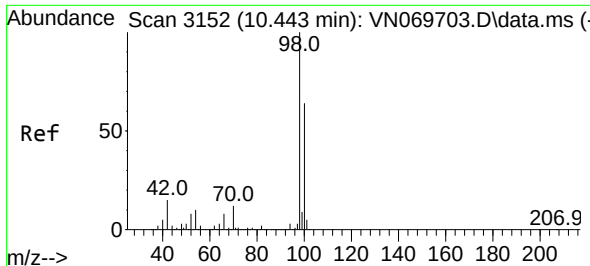
Tgt Ion: 43 Resp: 134456
Ion Ratio Lower Upper
43 100
61 17.6 20.4 30.6#
87 11.0 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.705 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 41 Resp: 39873
Ion Ratio Lower Upper
41 100
69 12.8 72.4 108.6#
39 27.4 58.4 87.6#

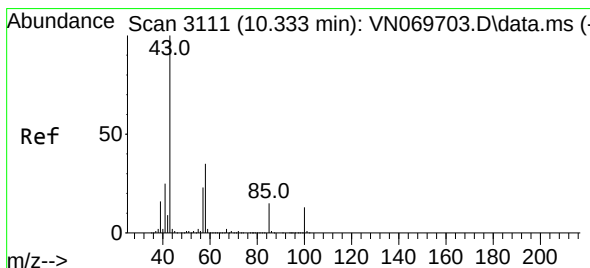
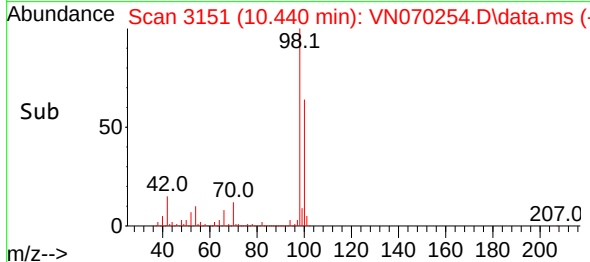
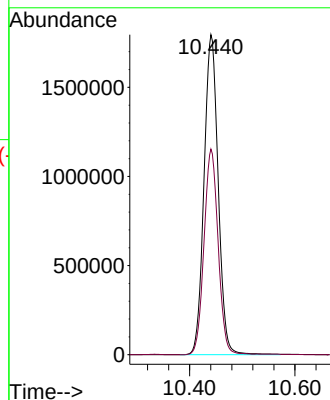
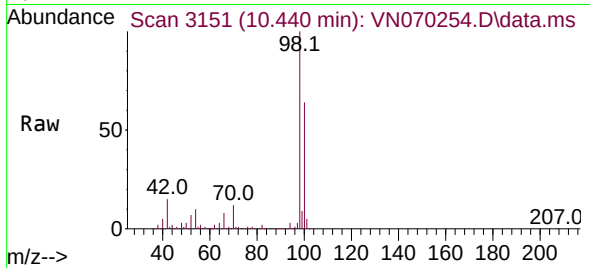




#50
Toluene-d8
Concen: 55.662 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

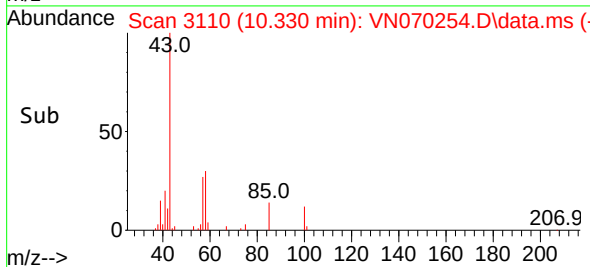
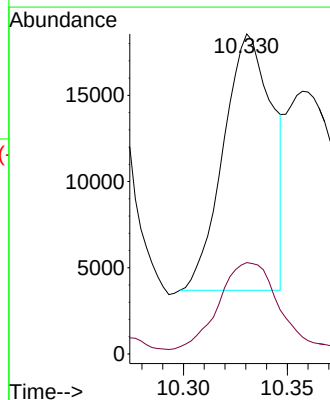
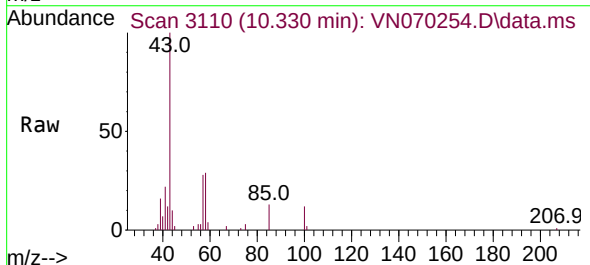
Instrument :
MSVOA_N
ClientSampleId :

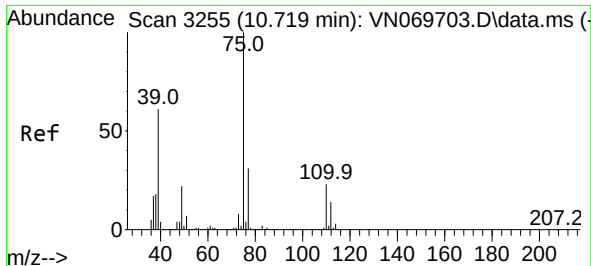
Tgt Ion: 98 Resp: 3346710
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.748 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 43 Resp: 24338
Ion Ratio Lower Upper
43 100
58 42.7 30.4 45.6

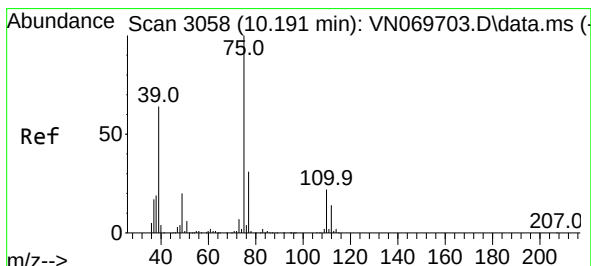
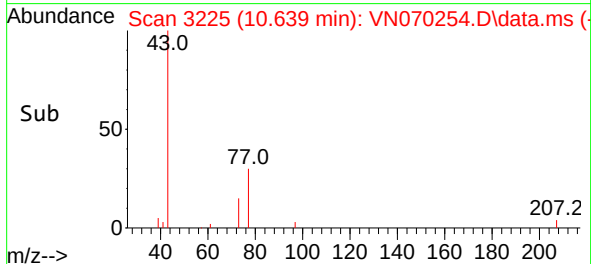
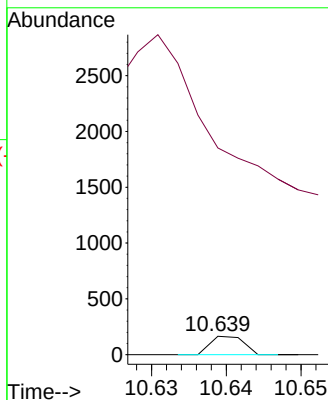
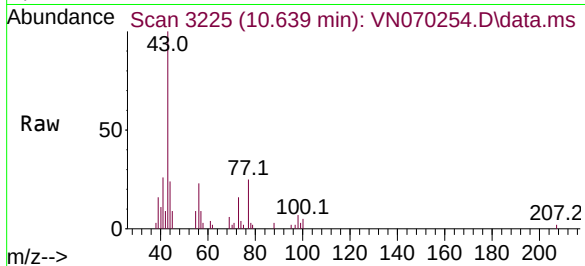




#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.639 min Scan# 31
Delta R.T. -0.080 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

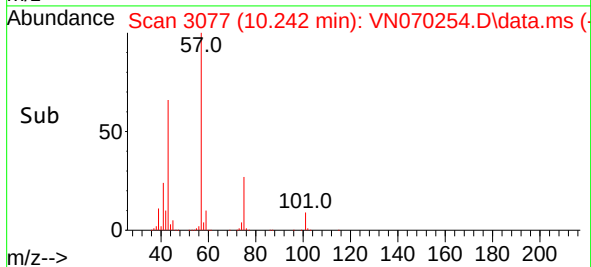
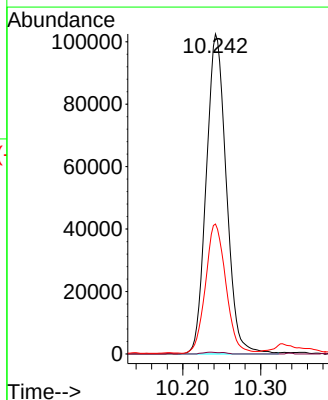
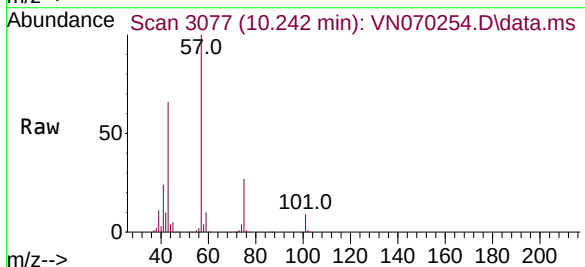
Instrument :
MSVOA_N
ClientSampleId :

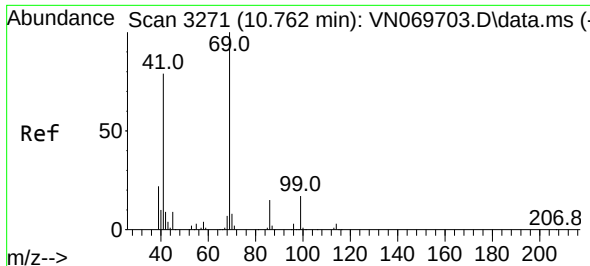
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 169.7 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.020 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 75 Resp: 183653
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 40.3 42.5 63.7#

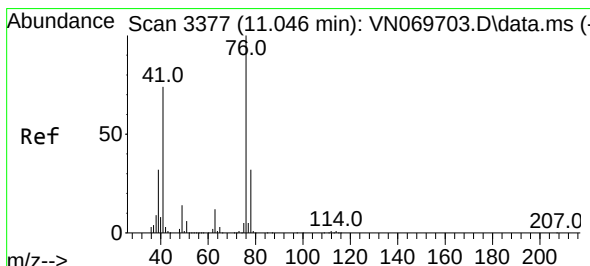
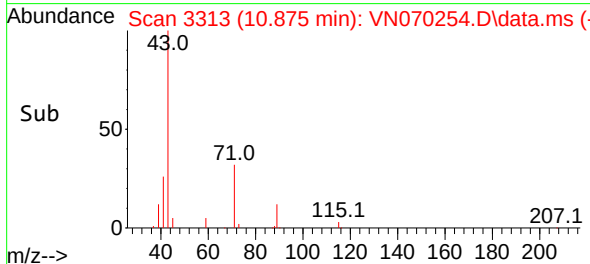
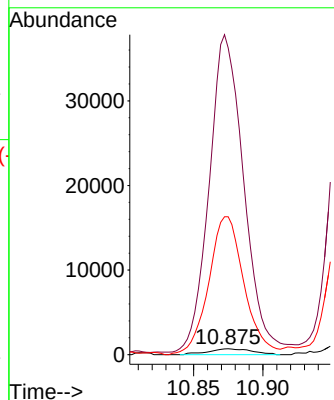
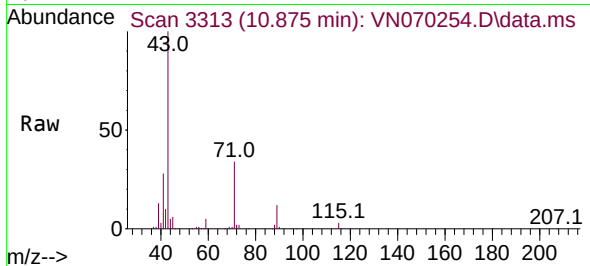




#56
Ethyl methacrylate
Concen: 2.325 ug/l
RT: 10.875 min Scan# 311
Delta R.T. 0.113 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

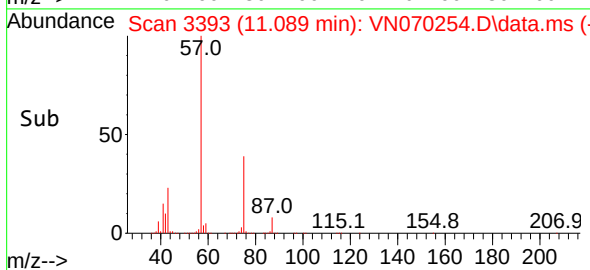
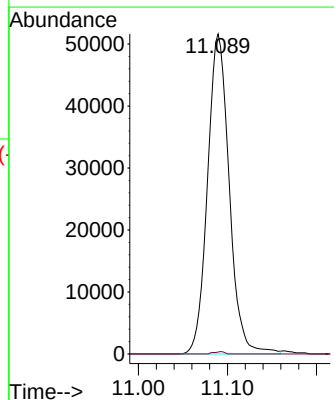
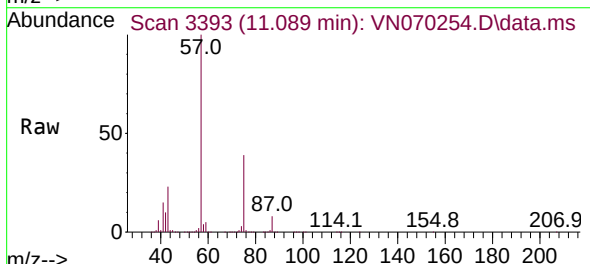
Instrument :
MSVOA_N
ClientSampleId :

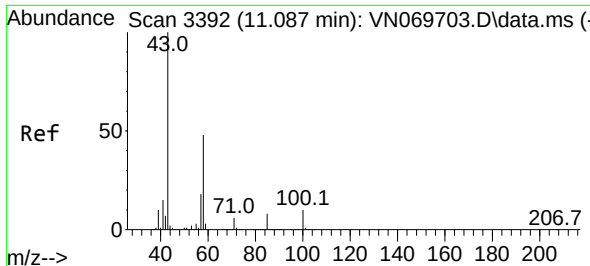
Tgt Ion: 69 Resp: 1539
Ion Ratio Lower Upper
69 100
41 4233.0 51.4 77.0#
39 1879.1 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 2.894 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 76 Resp: 87307
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

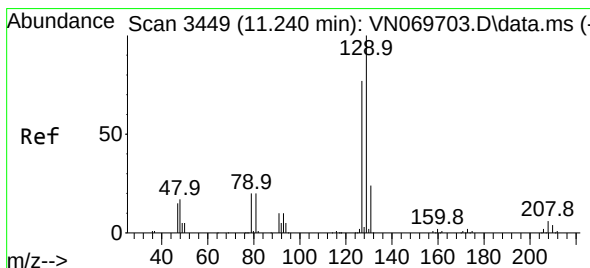
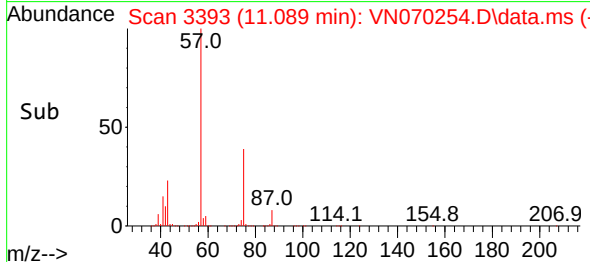
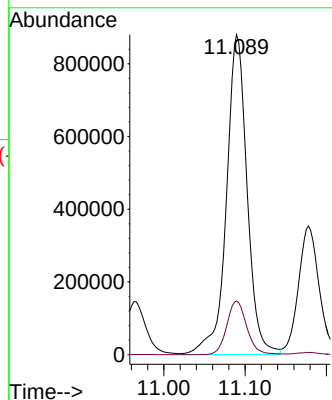
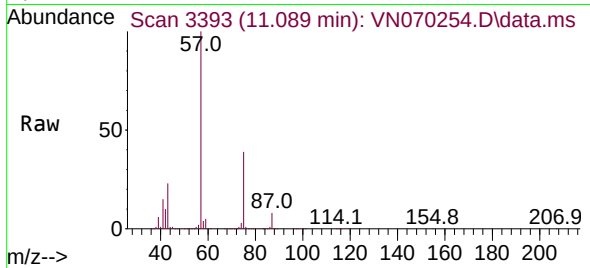




#59
2-Hexanone
Concen: 63.326 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

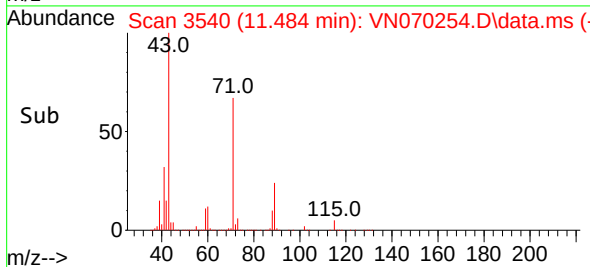
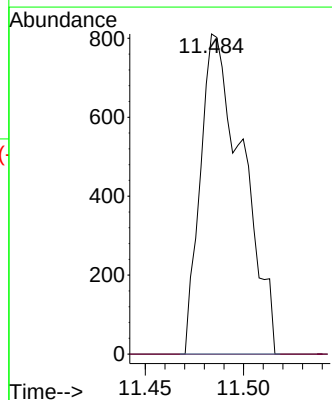
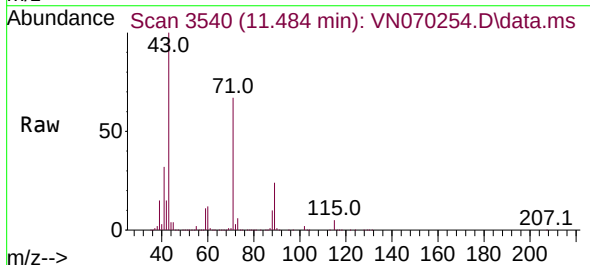
Instrument :
MSVOA_N
ClientSampleId :

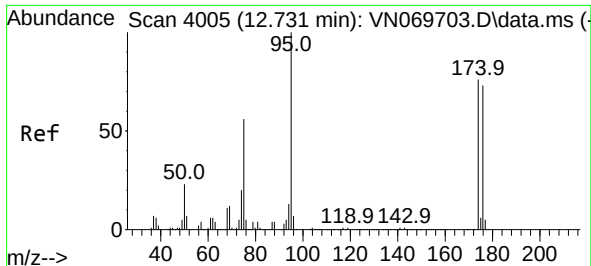
Tgt Ion: 43 Resp: 1557708
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.439 ug/l
RT: 11.484 min Scan# 3540
Delta R.T. 0.244 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion:129 Resp: 1212
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

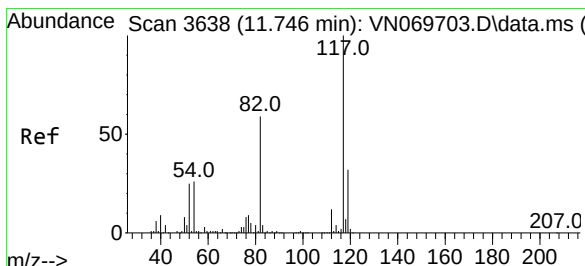
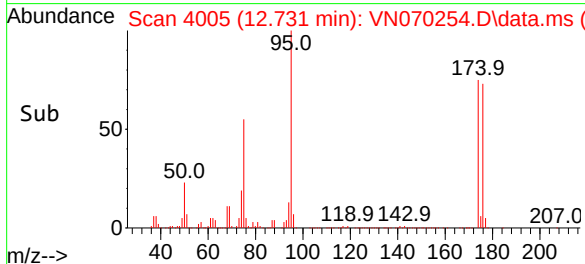
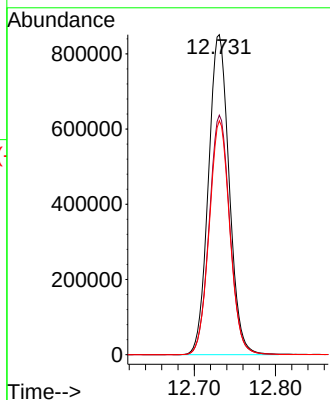
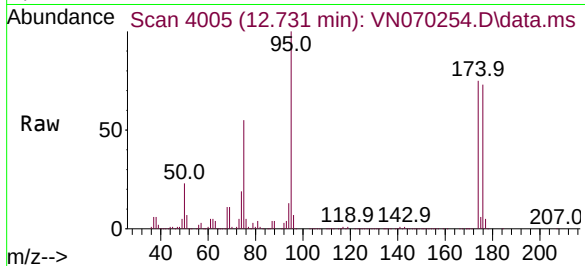




#62
4-Bromofluorobenzene
Concen: 69.207 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

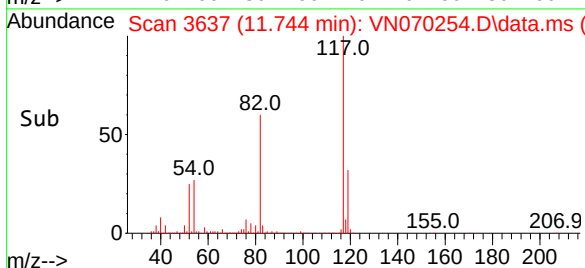
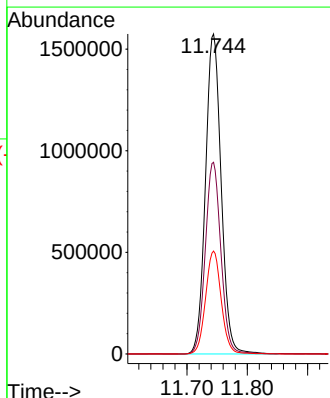
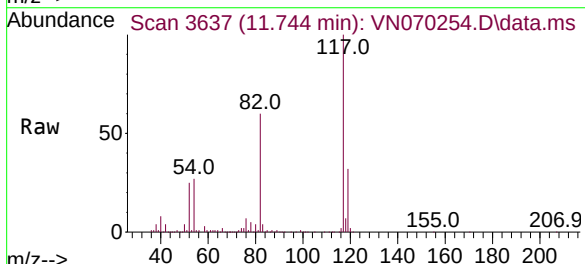
Instrument :
MSVOA_N
ClientSampleId :

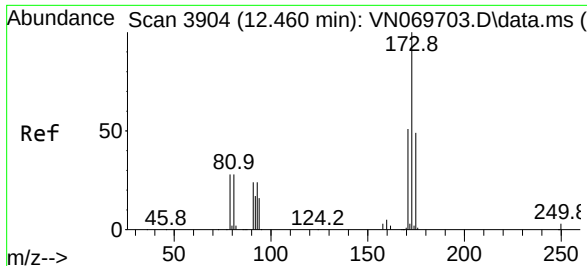
Tgt Ion: 95 Resp: 1507482
Ion Ratio Lower Upper
95 100
174 74.6 0.0 187.2
176 72.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 117 Resp: 2840242
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.2 25.4 38.2





#71

Bromoform

Concen: 2.918 ug/l

RT: 12.725 min Scan# 4003

Delta R.T. 0.265 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Instrument :

MSVOA_N

ClientSampleId :

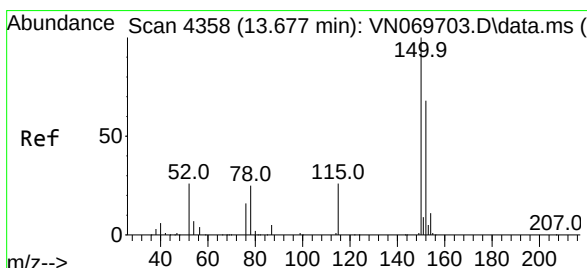
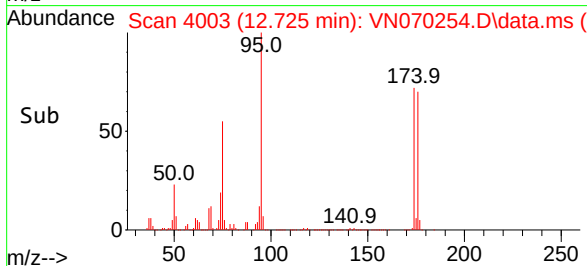
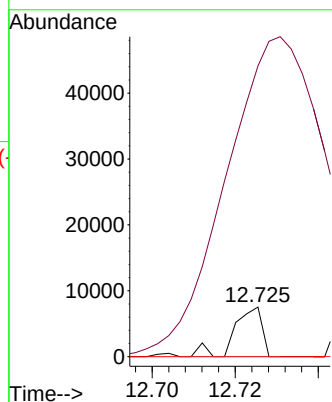
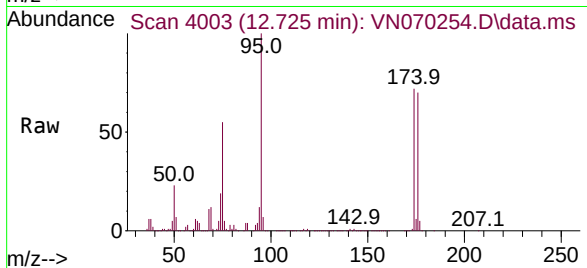
Tgt Ion:173 Resp: 3432

Ion Ratio Lower Upper

173 100

175 2376.5 24.2 72.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. -0.003 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

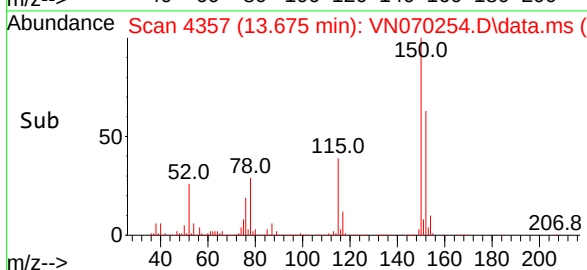
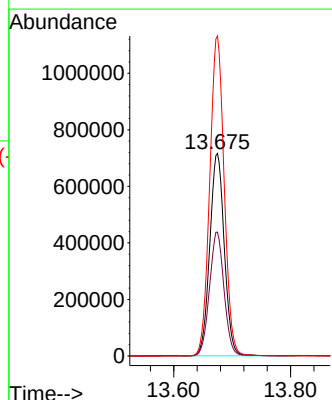
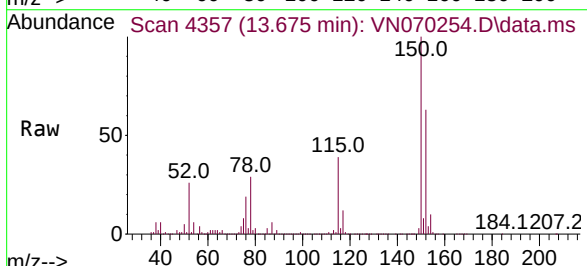
Tgt Ion:152 Resp: 1235483

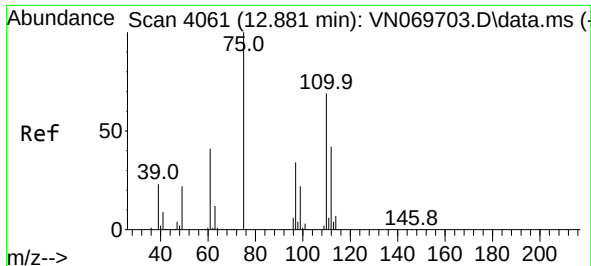
Ion Ratio Lower Upper

152 100

115 61.4 27.5 82.5

150 157.2 0.0 344.4

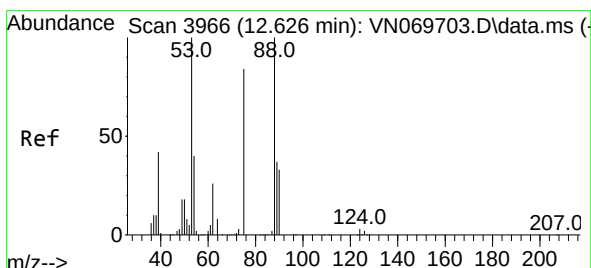
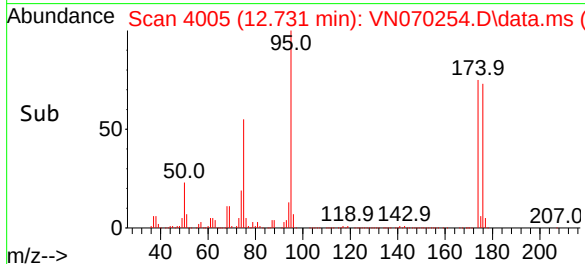
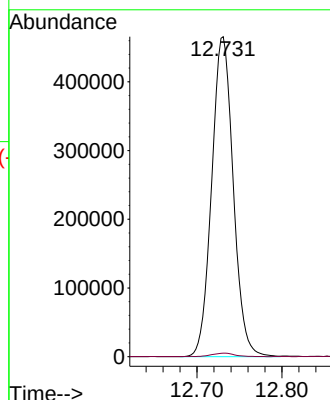
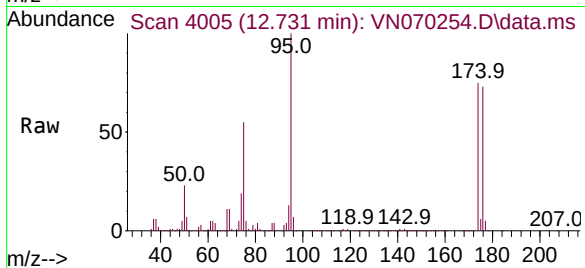




#76
1,2,3-Trichloropropane
Concen: 23.163 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

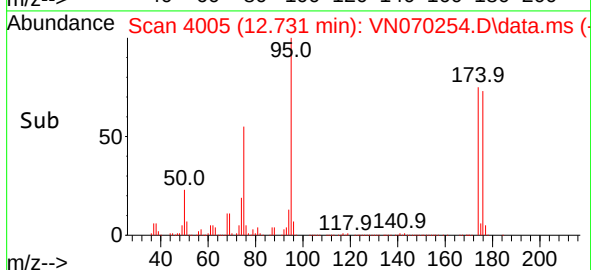
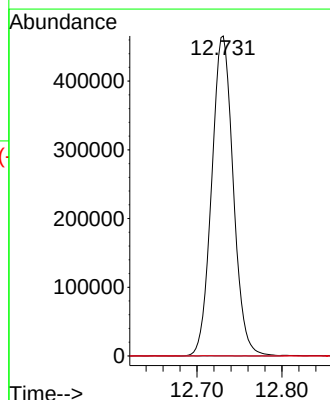
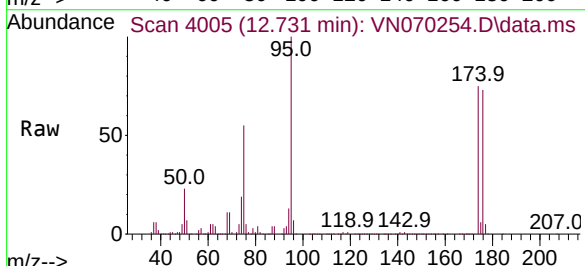
Instrument :
MSVOA_N
ClientSampleId :

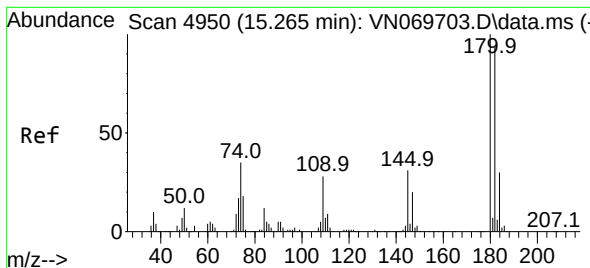
Tgt Ion: 75 Resp: 820687
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.714 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070254.D
Acq: 20 Dec 2021 20:59

Tgt Ion: 75 Resp: 820687
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.892 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN070254.D

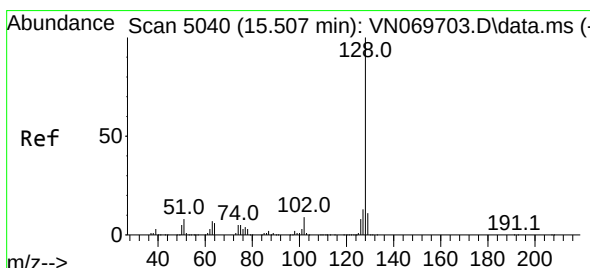
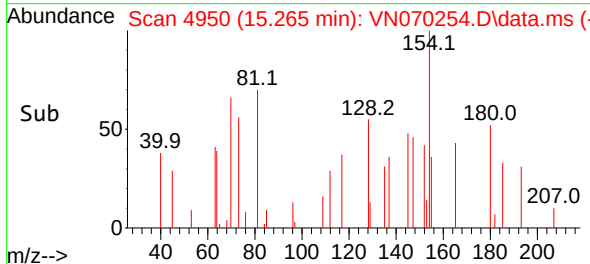
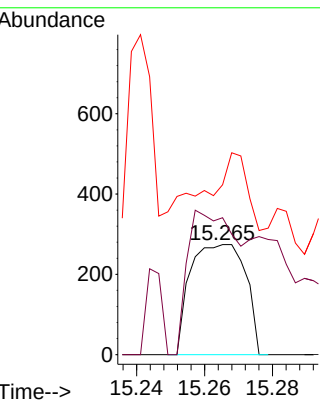
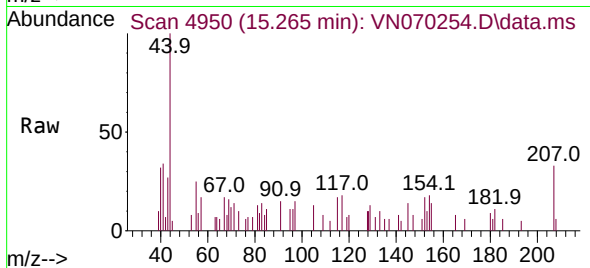
Acq: 20 Dec 2021 20:59

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	307
Ion Ratio	Lower	Upper
180	100	
182	114.3	48.3 144.9
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 4.383 ug/l

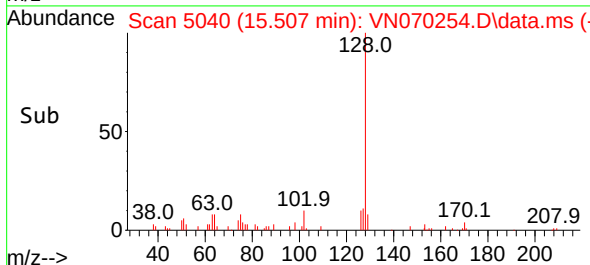
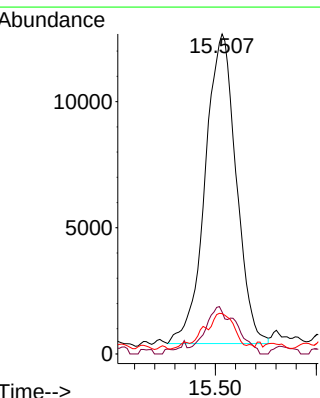
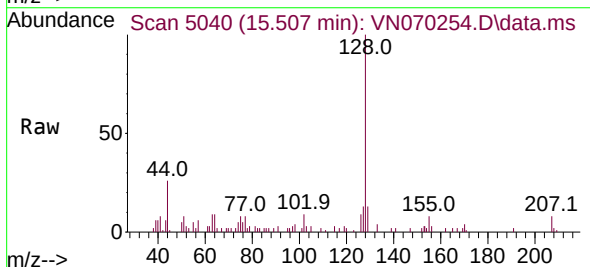
RT: 15.507 min Scan# 5040

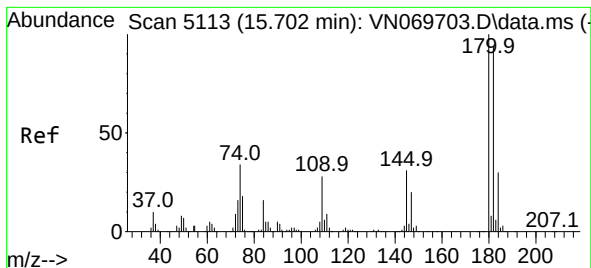
Delta R.T. -0.000 min

Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Tgt Ion:128	Resp:	26088
Ion Ratio	Lower	Upper
128	100	
127	7.9	10.5 15.7#
129	7.9	8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.460 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

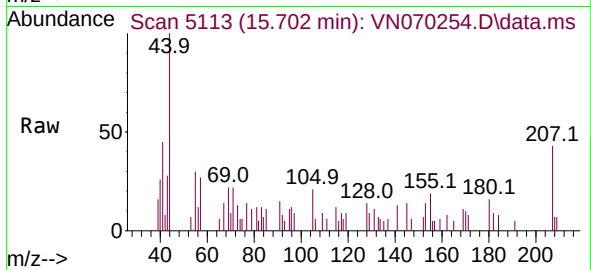
Lab File: VN070254.D

Acq: 20 Dec 2021 20:59

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 516

Ion Ratio Lower Upper

180 100

182 68.8 47.4 142.2

145 107.0 15.0 45.1#

