

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012422\
 Data File : VN070755.D
 Acq On : 24 Jan 2022 15:04
 Operator : JC/MD
 Sample : PB142209ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#03

Quant Time: Jan 24 23:32:10 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)

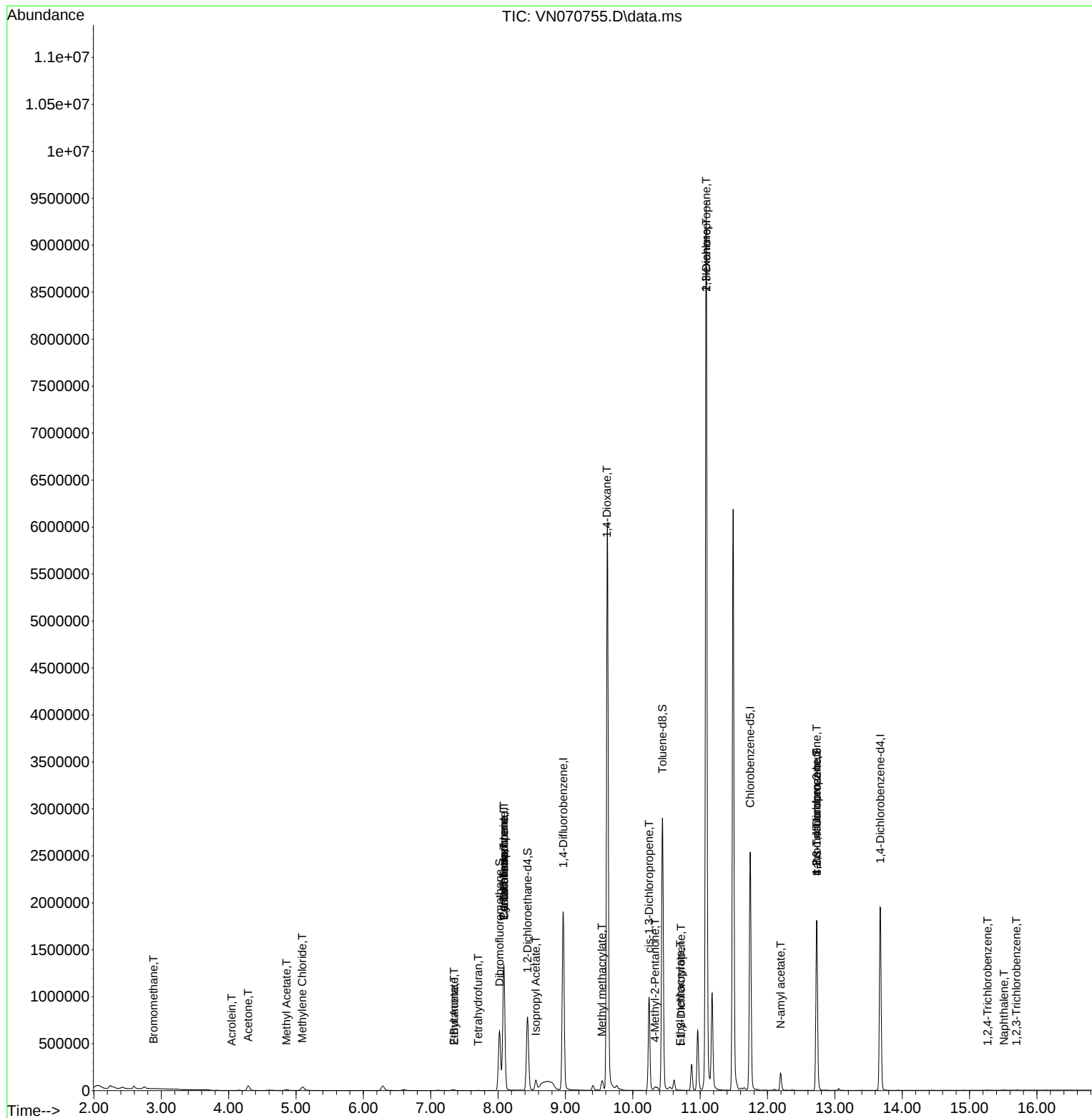
Internal Standards						
1) Pentafluorobenzene	8.086	168	1007436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1628990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1459694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	544163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	678712	47.008	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.020%		
35) Dibromofluoromethane	8.021	113	468489	46.364	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.720%		
50) Toluene-d8	10.440	98	2026841	47.614	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.220%		
62) 4-Bromofluorobenzene	12.731	95	669286	44.122	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.240%		
Target Compounds						Qvalue
5) Bromomethane	2.883	94	2360	0.280	ug/l #	78
13) Acrolein	4.044	56	930	0.249	ug/l #	58
16) Acetone	4.291	43	90812	9.062	ug/l	98
18) Methyl Acetate	4.857	43	18786	0.953	ug/l #	72
20) Methylene Chloride	5.093	84	26014	1.971	ug/l	93
25) 2-Butanone	7.345	43	8886	0.705	ug/l	96
29) Tetrahydrofuran	7.702	42	2576	0.334	ug/l #	74
30) Chloroform	8.096	83	196	Below Cal	#	18
31) Cyclohexane	8.086	56	23138	0.910	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	82141	4.829	ug/l #	49
37) Ethyl Acetate	7.345	43	8886	0.393	ug/l #	72
38) Carbon Tetrachloride	8.086	117	101174	6.686	ug/l #	17
43) Isopropyl Acetate	8.560	43	134400	3.896	ug/l #	85
48) Methyl methacrylate	9.542	41	29478	1.794	ug/l #	8
49) 1,4-Dioxane	9.617	88	420	1.701	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	18804	0.854	ug/l	89
53) t-1,3-Dichloropropene	10.717	75	111	2.409	ug/l #	75
54) cis-1,3-Dichloropropene	10.242	75	169058	8.270	ug/l #	61
56) Ethyl methacrylate	10.703	69	745	2.332	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	95689	4.364	ug/l #	43
59) 2-Hexanone	11.089	43	1612029	100.815	ug/l #	49
74) N-amyl acetate	12.194	43	66532	3.161	ug/l #	51
76) 1,2,3-Trichloropropane	12.731	75	355703	24.646	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	355703	73.424	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	891	3.508	ug/l #	83
95) Naphthalene	15.512	128	3752	5.068	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.694	180	525	3.267	ug/l #	11

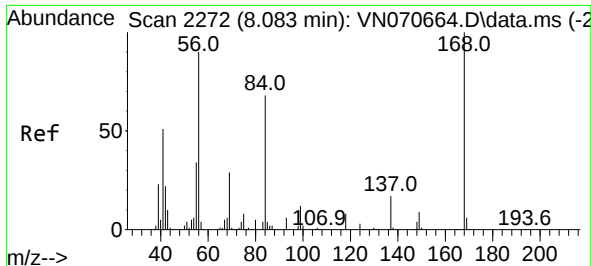
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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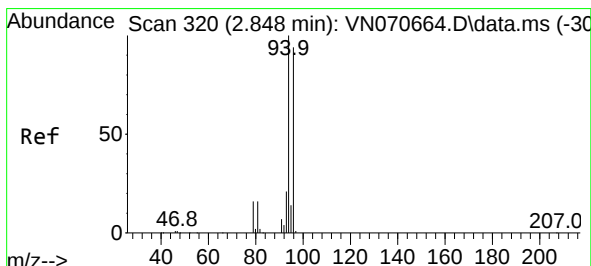
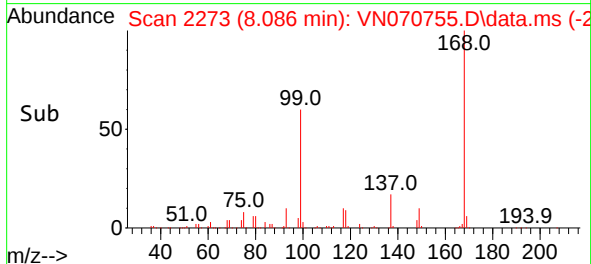
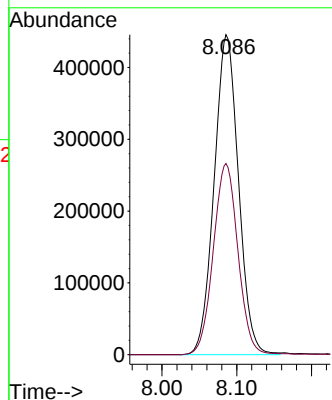
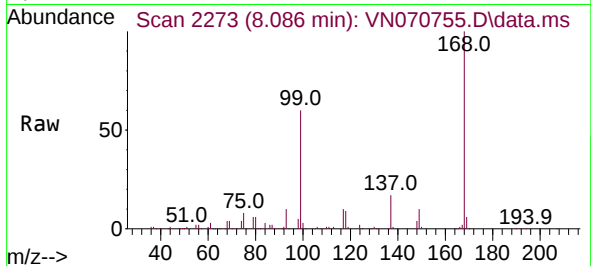




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

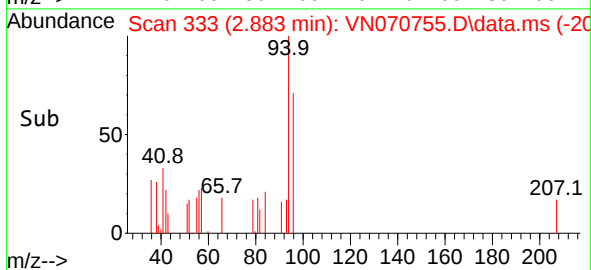
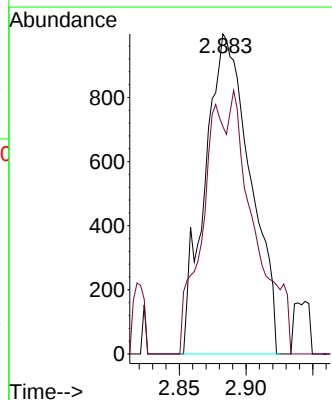
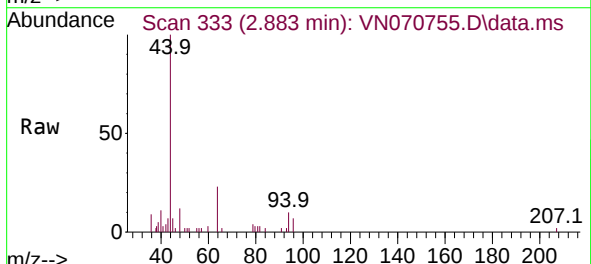
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

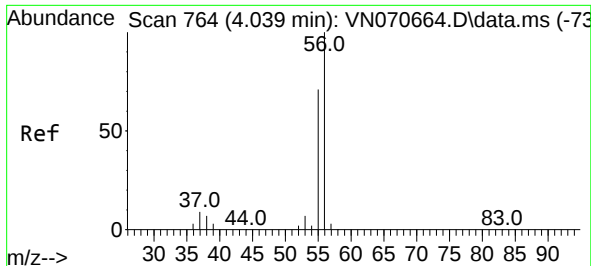
Tgt Ion:168 Resp: 1007436
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.883 min Scan# 333
Delta R.T. 0.035 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

Tgt Ion: 94 Resp: 2360
Ion Ratio Lower Upper
94 100
96 71.0 73.8 110.8#

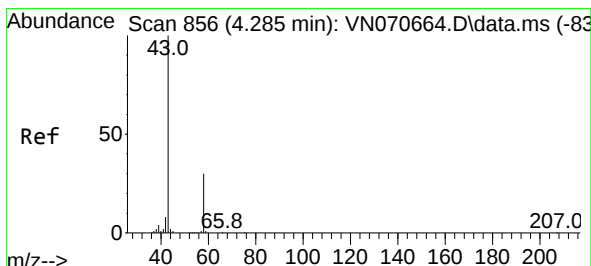
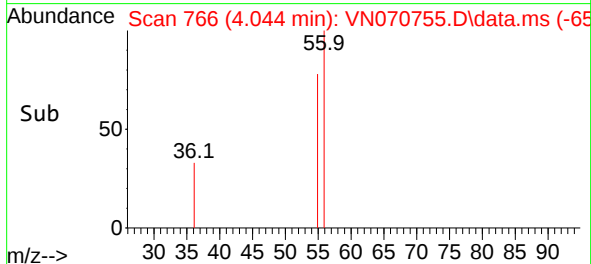
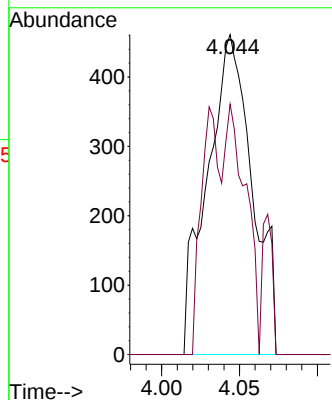
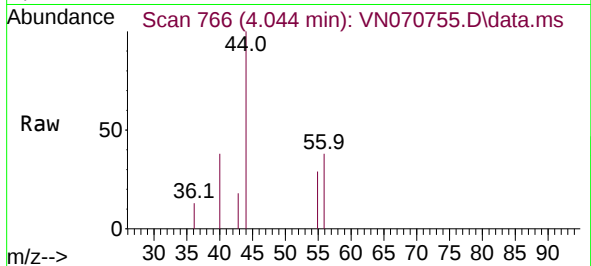




#13
Acrolein
Concen: 0.249 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

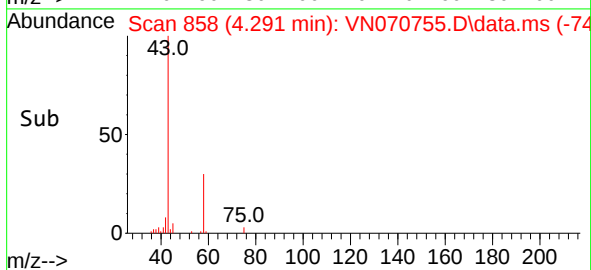
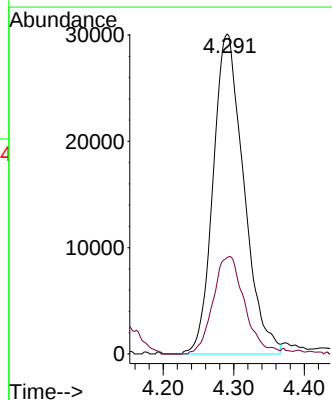
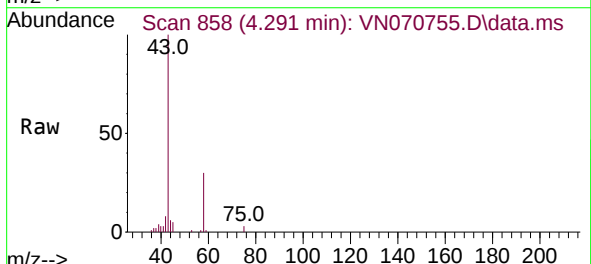
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

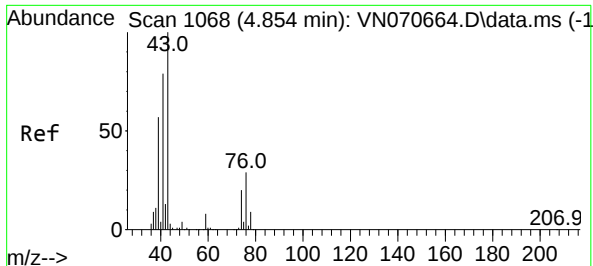
Tgt Ion: 56 Resp: 930
Ion Ratio Lower Upper
56 100
55 36.3 56.6 85.0#



#16
Acetone
Concen: 9.062 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

Tgt Ion: 43 Resp: 90812
Ion Ratio Lower Upper
43 100
58 30.1 23.1 34.7





#18

Methyl Acetate

Concen: 0.953 ug/l

RT: 4.857 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

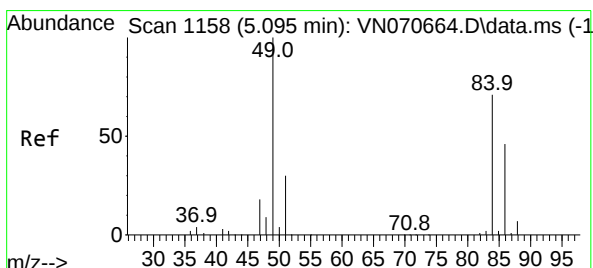
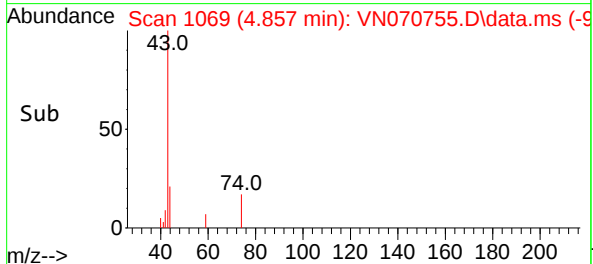
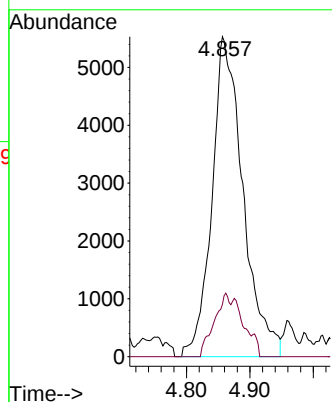
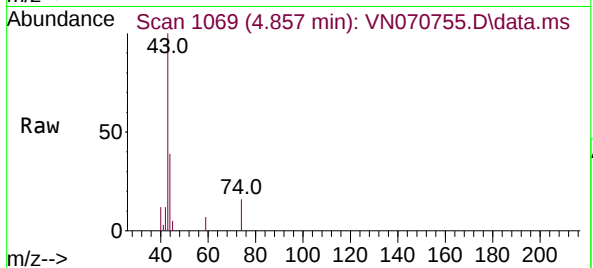
PB142209ZHE#03

Tgt Ion: 43 Resp: 18786

Ion Ratio Lower Upper

43 100

74 10.2 19.4 29.2#



#20

Methylene Chloride

Concen: 1.971 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Tgt Ion: 84 Resp: 26014

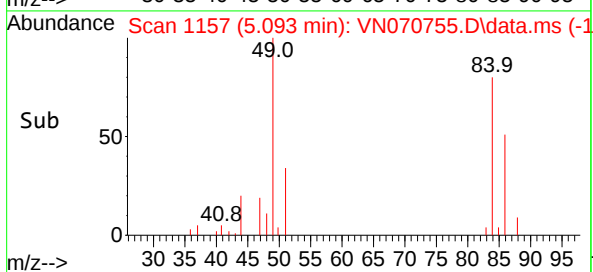
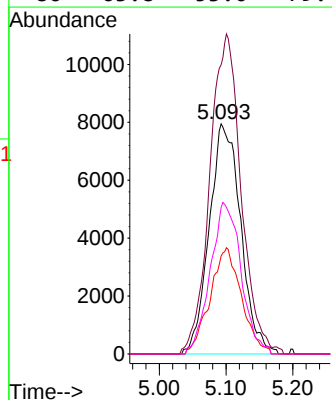
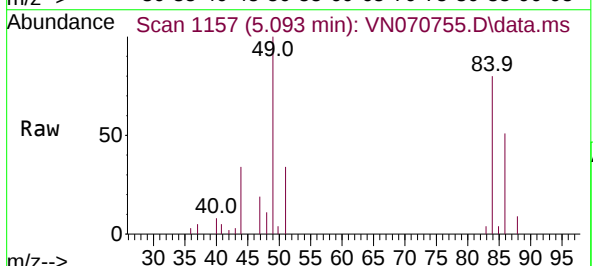
Ion Ratio Lower Upper

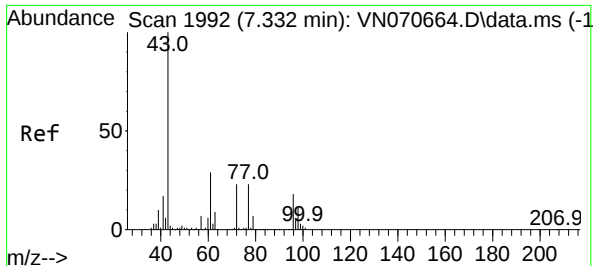
84 100

49 125.7 93.5 140.3

51 42.6 29.4 44.2

86 63.8 53.0 79.4





#25

2-Butanone

Concen: 0.705 ug/l

RT: 7.345 min Scan# 1992

Delta R.T. 0.013 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

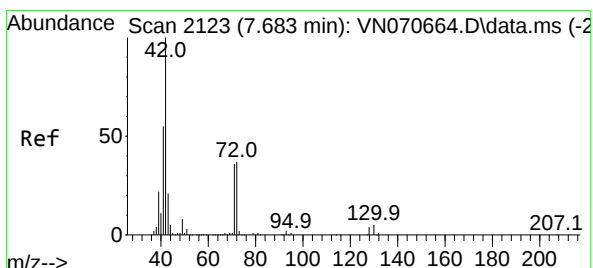
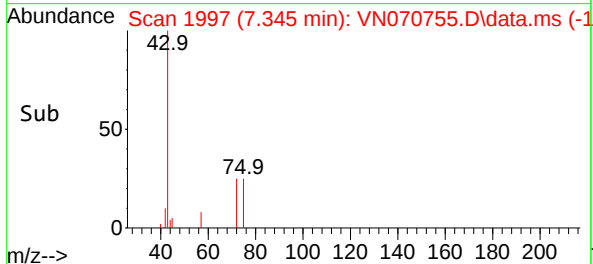
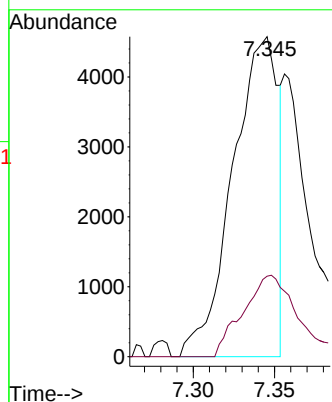
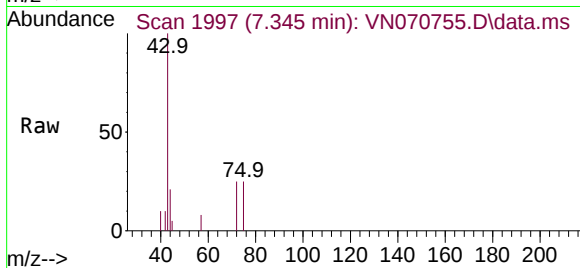
PB142209ZHE#03

Tgt Ion: 43 Resp: 8886

Ion Ratio Lower Upper

43 100

72 25.1 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.334 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.019 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

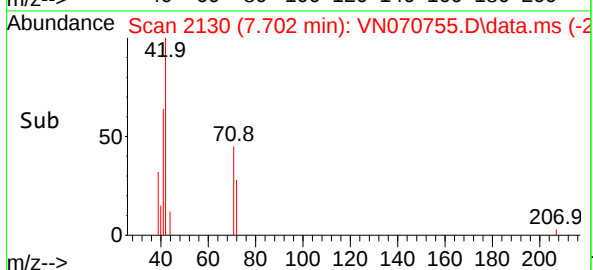
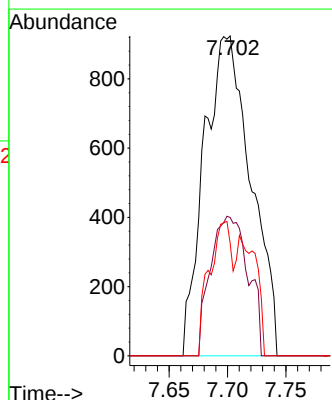
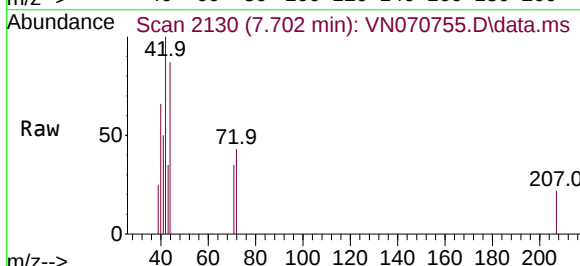
Tgt Ion: 42 Resp: 2576

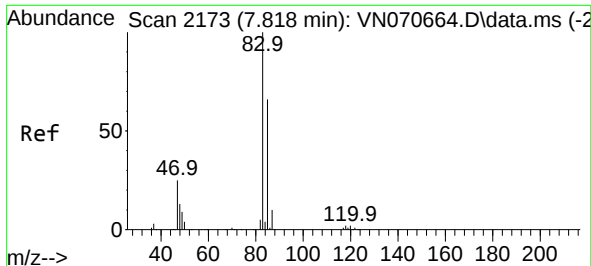
Ion Ratio Lower Upper

42 100

72 35.0 36.3 54.5#

71 20.1 34.7 52.1#





#30

Chloroform

Concen: Below Cal

RT: 8.096 min Scan# 21

Delta R.T. 0.278 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

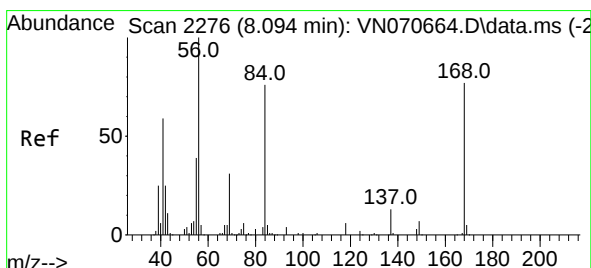
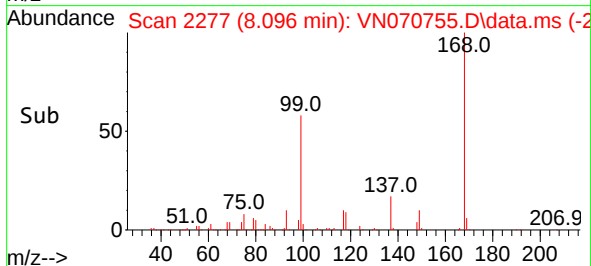
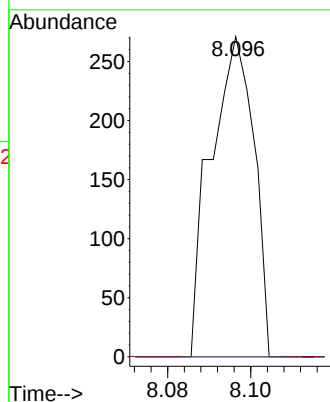
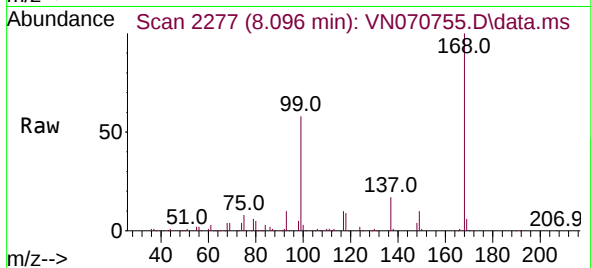
PB142209ZHE#03

Tgt Ion: 83 Resp: 196

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#



#31

Cyclohexane

Concen: 0.910 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

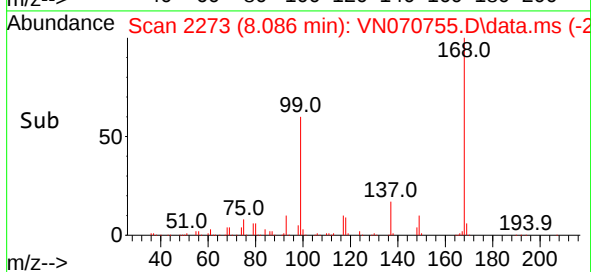
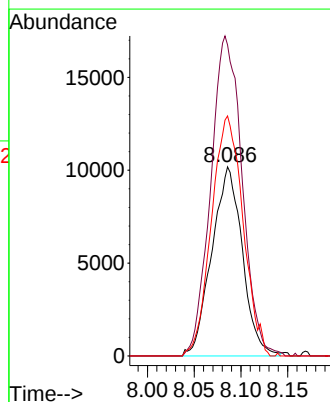
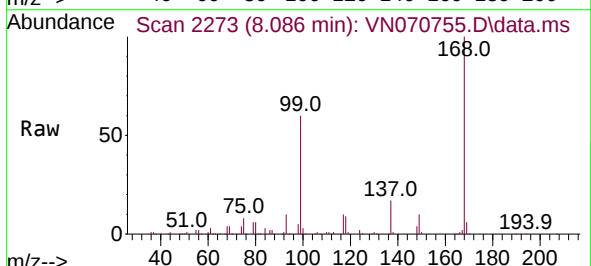
Tgt Ion: 56 Resp: 23138

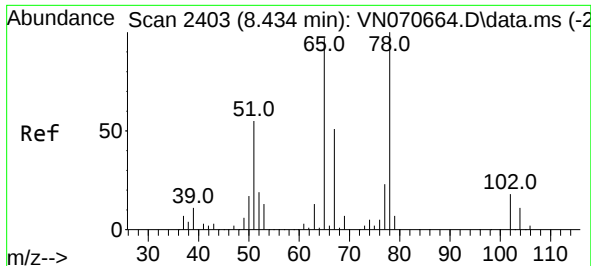
Ion Ratio Lower Upper

56 100

69 164.4 27.1 40.7#

84 126.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.008 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

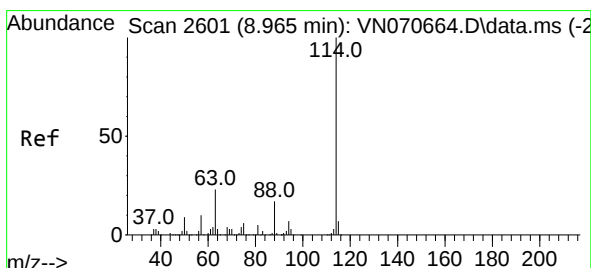
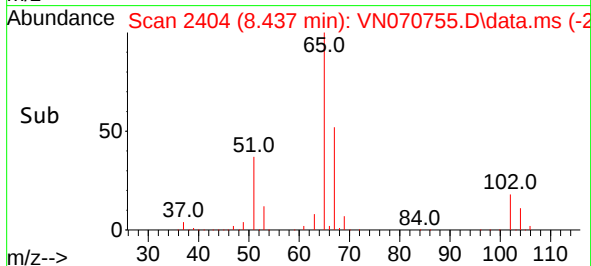
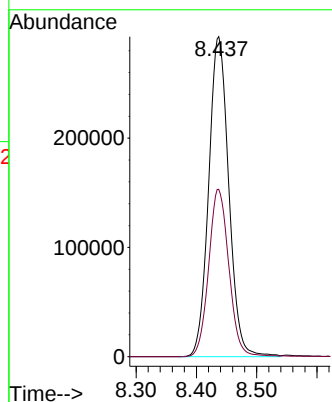
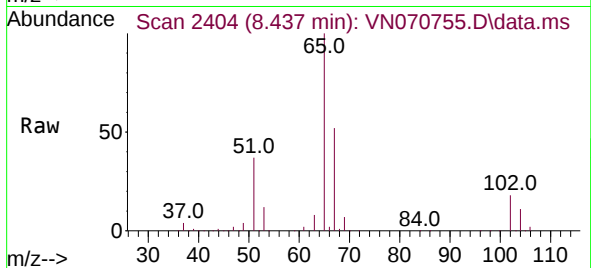
PB142209ZHE#03

Tgt Ion: 65 Resp: 678712

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

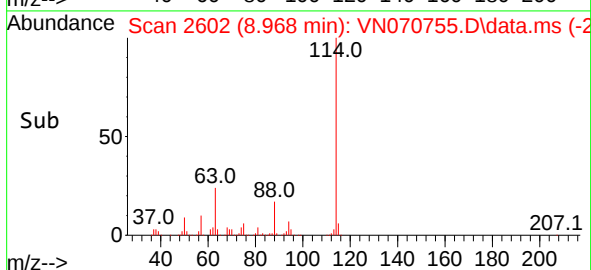
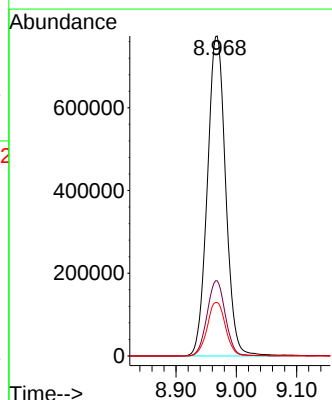
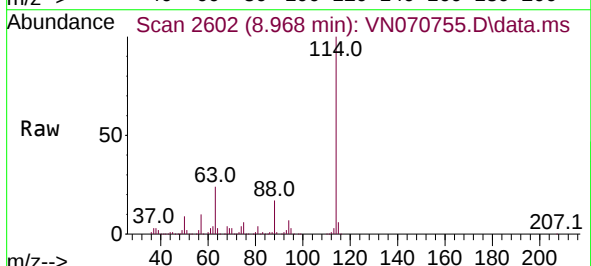
Tgt Ion: 114 Resp: 1628990

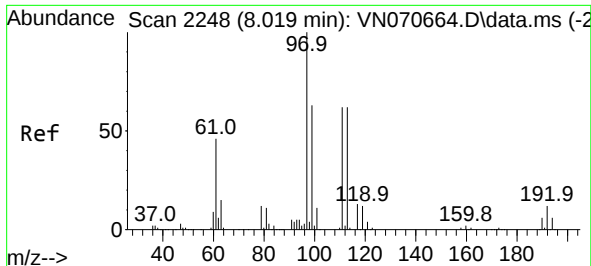
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.364 ug/l

RT: 8.021 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB142209ZHE#03

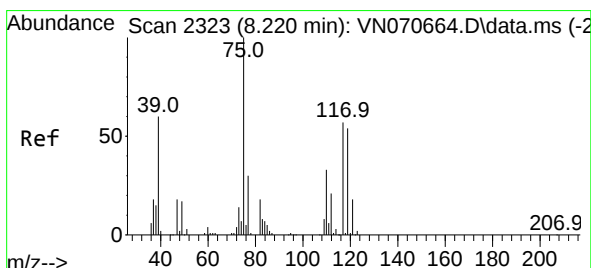
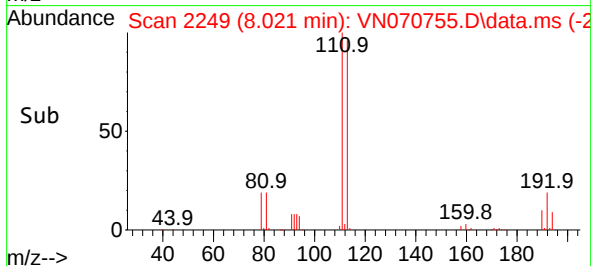
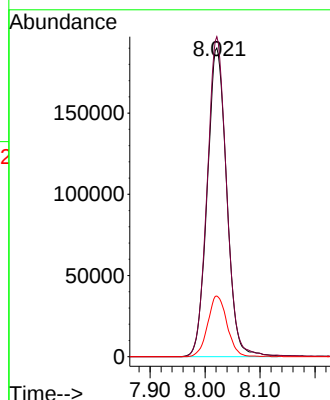
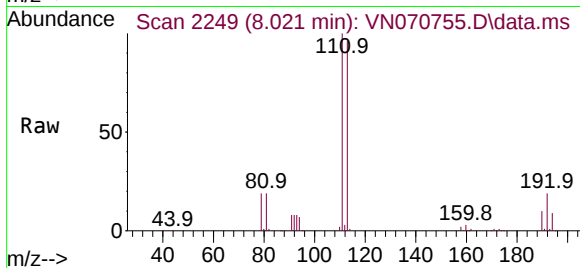
Tgt Ion:113 Resp: 468489

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 19.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.829 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.134 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

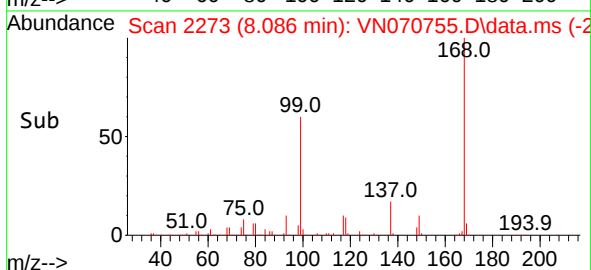
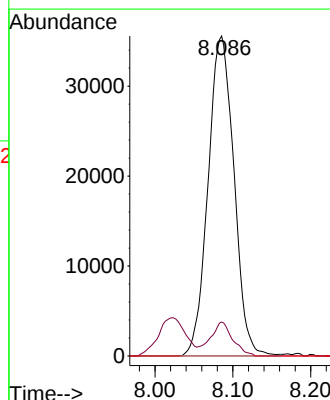
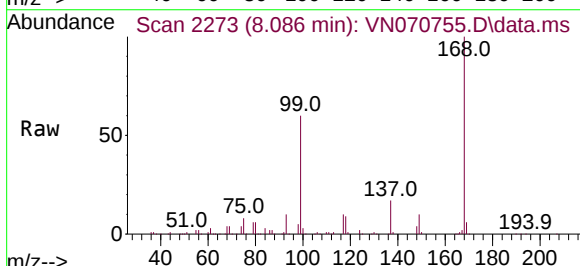
Tgt Ion: 75 Resp: 82141

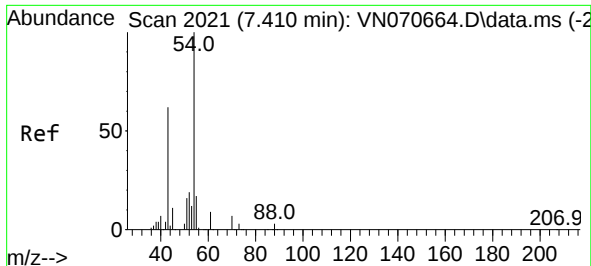
Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.393 ug/l

RT: 7.345 min Scan# 19

Delta R.T. -0.065 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB142209ZHE#03

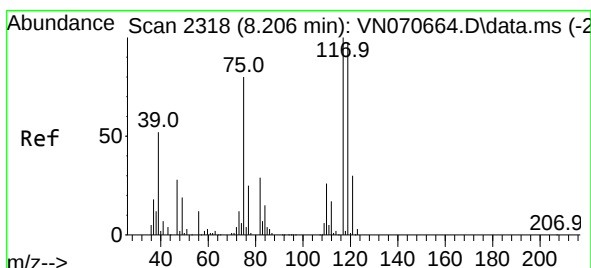
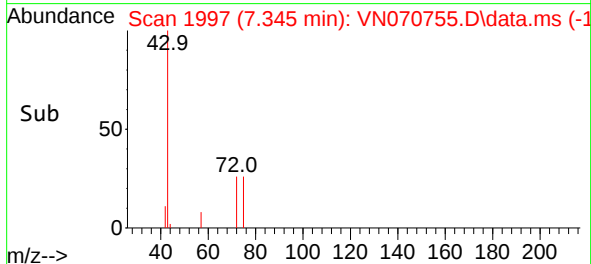
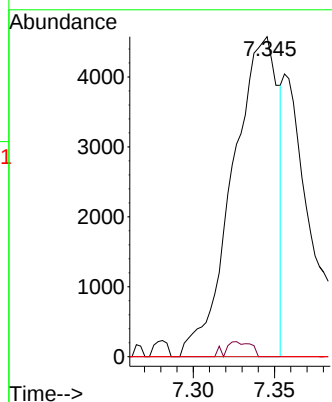
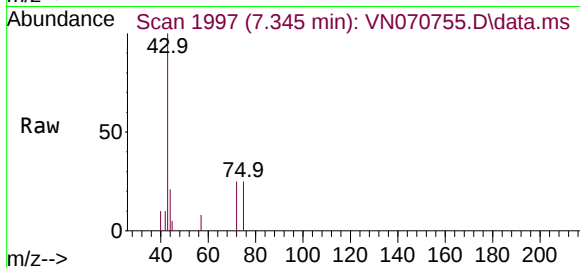
Tgt Ion: 43 Resp: 8886

Ion Ratio Lower Upper

43 100

61 2.6 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.686 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

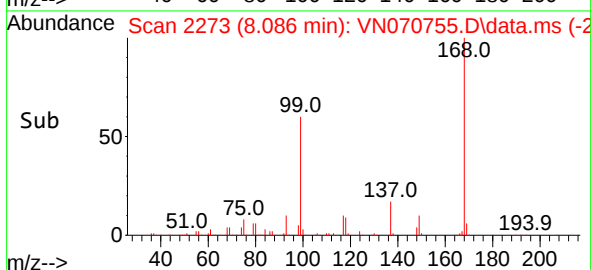
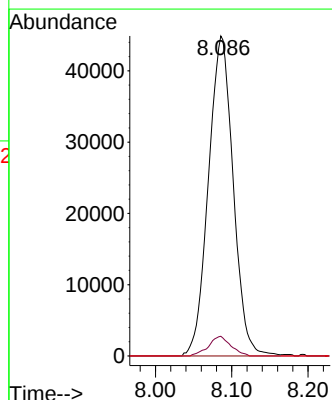
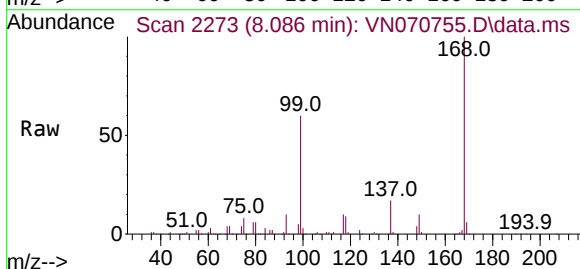
Tgt Ion: 117 Resp: 101174

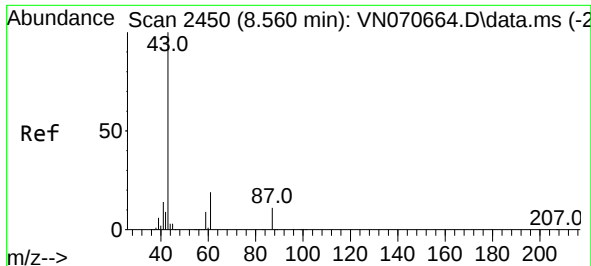
Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

121 0.0 24.2 36.2#

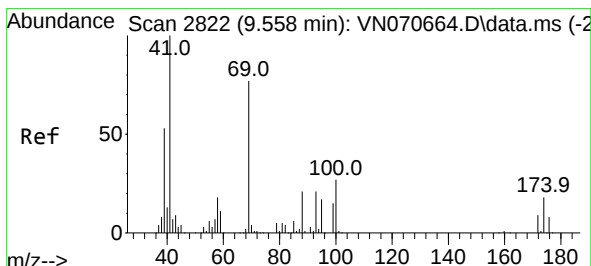
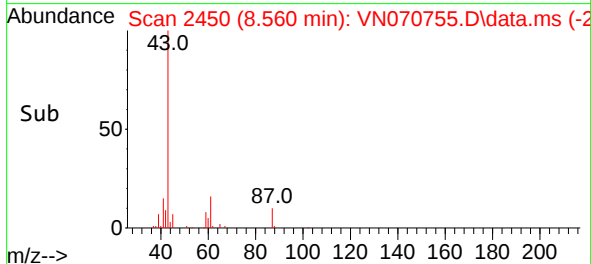
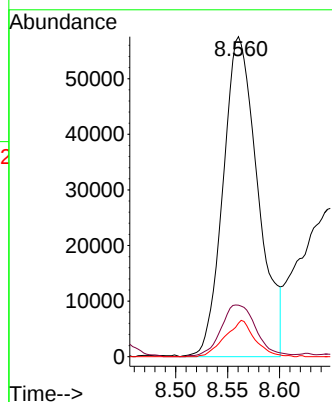
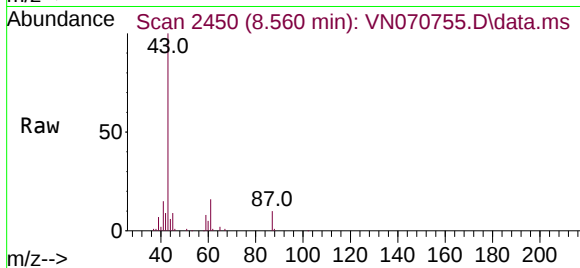




#43
Isopropyl Acetate
Concen: 3.896 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

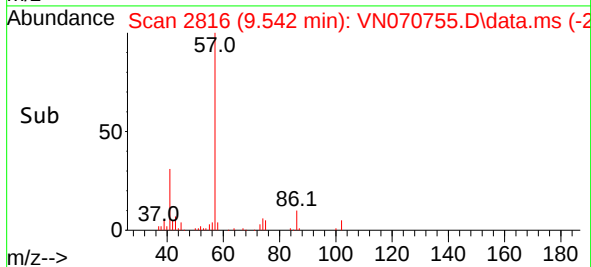
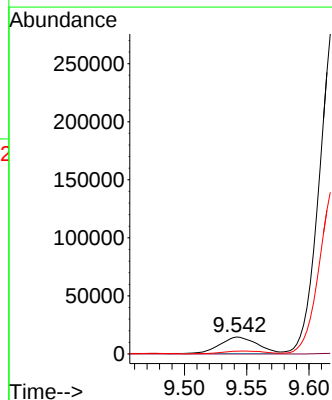
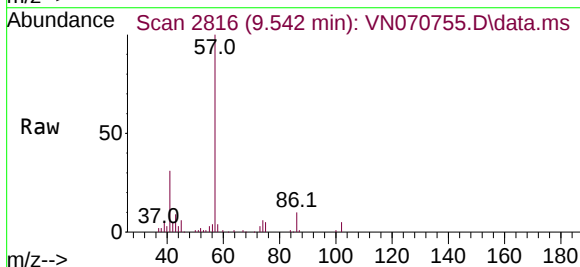
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

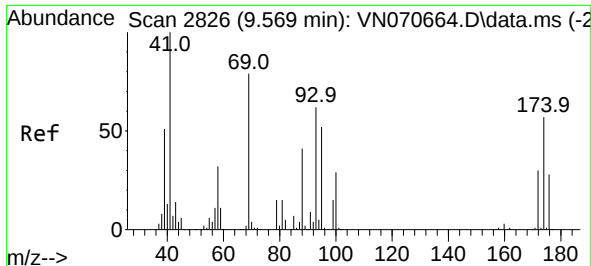
Tgt Ion: 43 Resp: 134400
Ion Ratio Lower Upper
43 100
61 16.3 20.4 30.6#
87 9.7 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.794 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.016 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

Tgt Ion: 41 Resp: 29478
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: 1.701 ug/l

RT: 9.617 min Scan# 21

Delta R.T. 0.048 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB142209ZHE#03

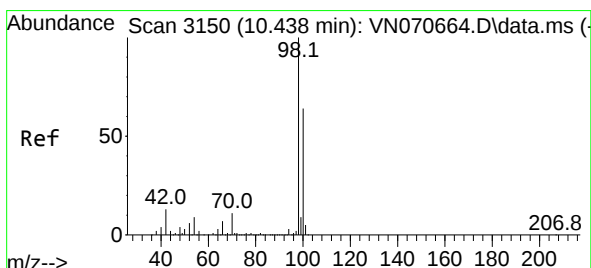
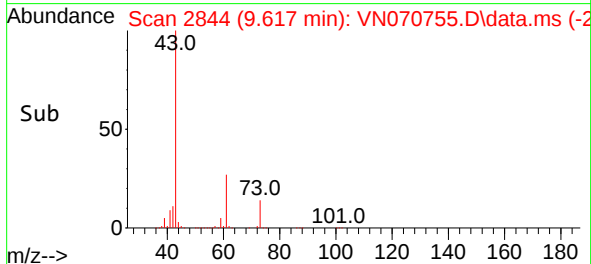
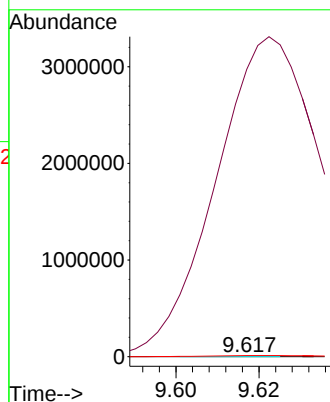
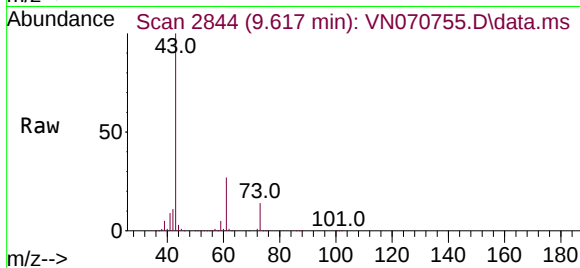
Tgt Ion: 88 Resp: 420

Ion Ratio Lower Upper

88 100

43 1489049.0 23.4 35.2#

58 5318.6 50.6 75.8#



#50

Toluene-d8

Concen: 47.614 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070755.D

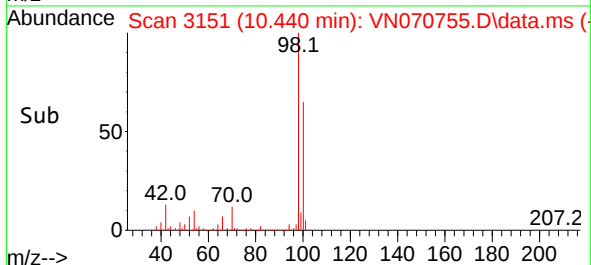
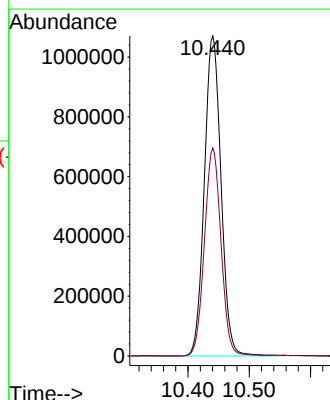
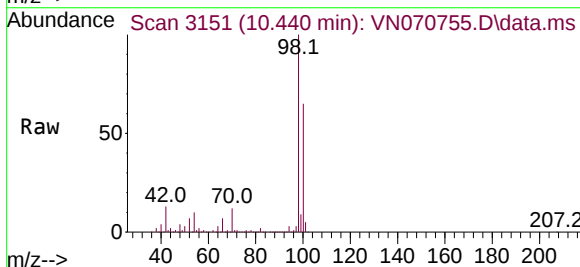
Acq: 24 Jan 2022 15:04

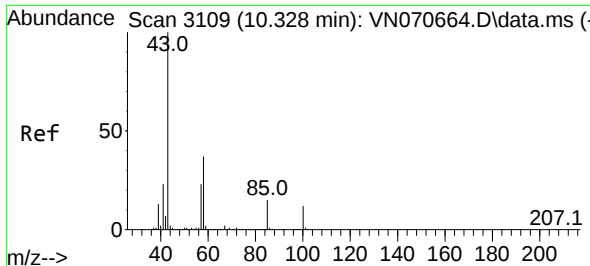
Tgt Ion: 98 Resp: 2026841

Ion Ratio Lower Upper

98 100

100 64.7 50.4 75.6

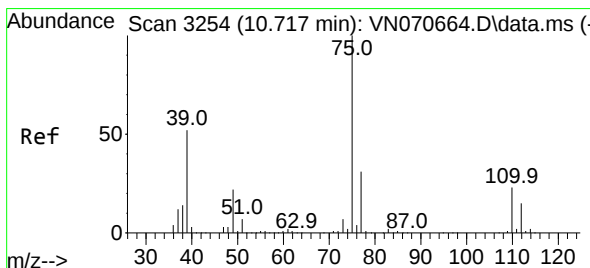
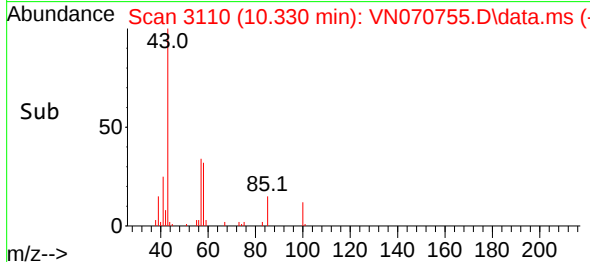
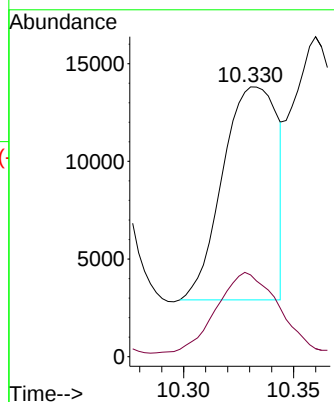
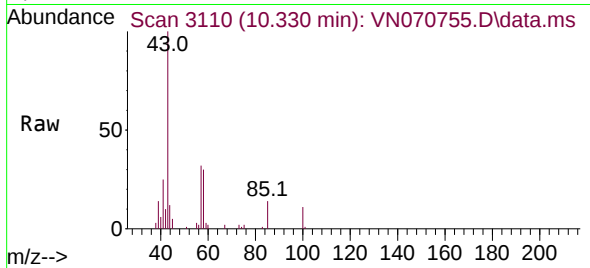




#51
4-Methyl-2-Pentanone
Concen: 0.854 ug/l
RT: 10.330 min Scan# 3109
Delta R.T. 0.002 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

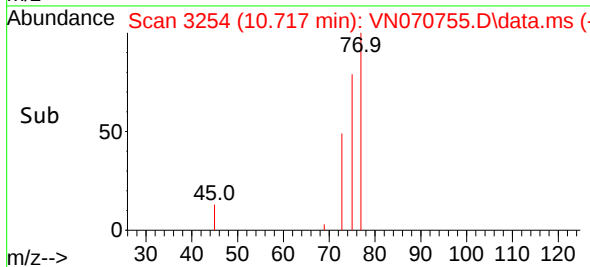
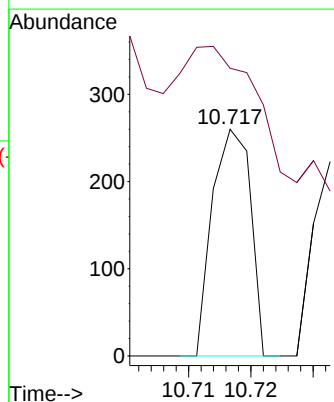
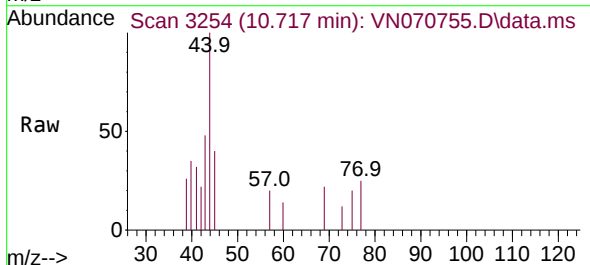
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

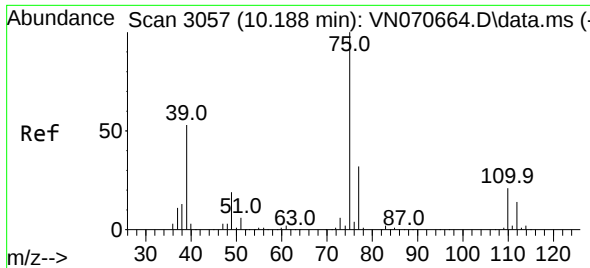
Tgt Ion: 43 Resp: 18804
Ion Ratio Lower Upper
43 100
58 44.6 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.409 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.000 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

Tgt Ion: 75 Resp: 111
Ion Ratio Lower Upper
75 100
77 45.8 25.6 38.4#

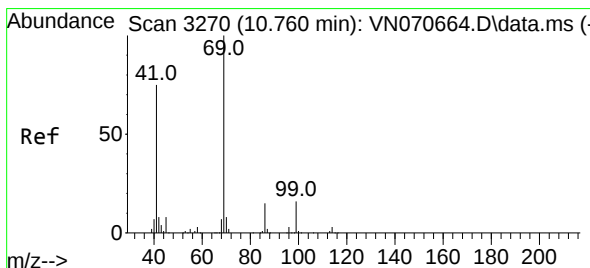
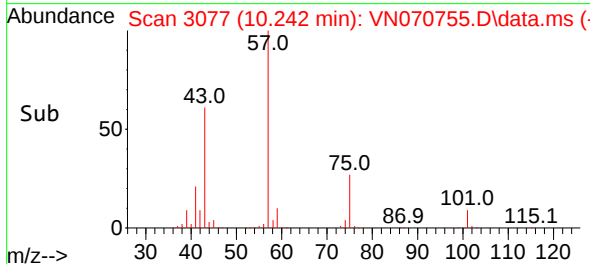
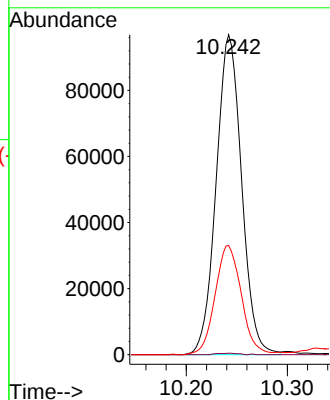
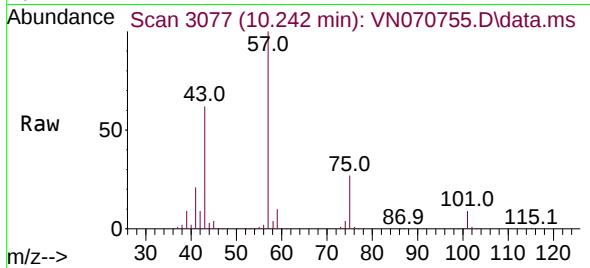




#54
 cis-1,3-Dichloropropene
 Concen: 8.270 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070755.D
 Acq: 24 Jan 2022 15:04

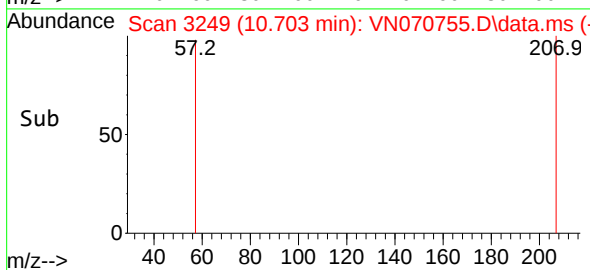
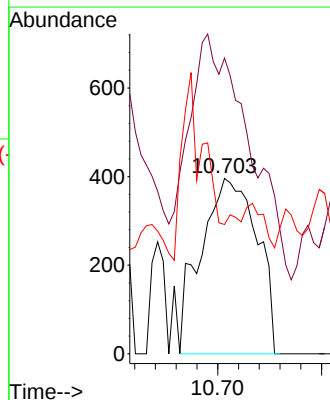
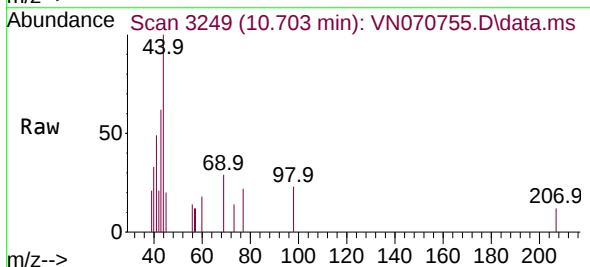
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#03

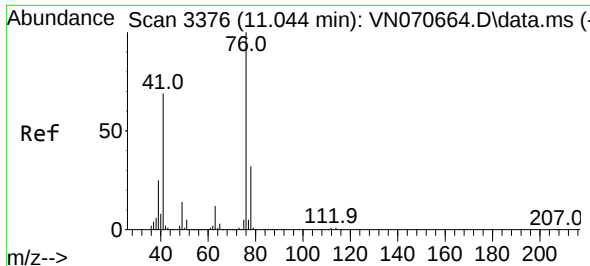
Tgt Ion: 75 Resp: 169058
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 34.1 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.332 ug/l
 RT: 10.703 min Scan# 3249
 Delta R.T. -0.057 min
 Lab File: VN070755.D
 Acq: 24 Jan 2022 15:04

Tgt Ion: 69 Resp: 745
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 0.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 4.364 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070755.D

Acq: 24 Jan 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

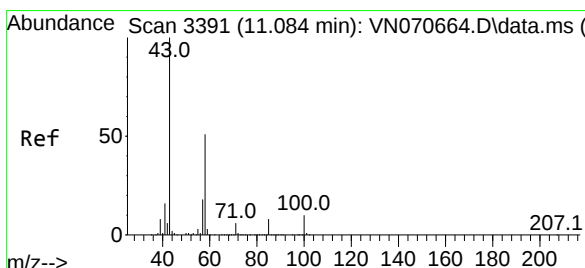
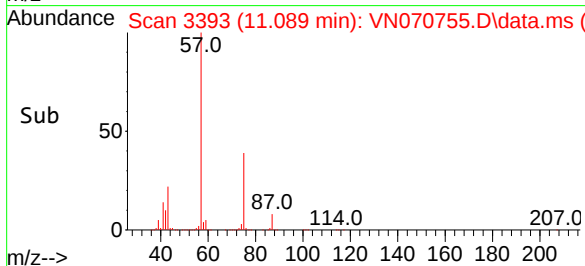
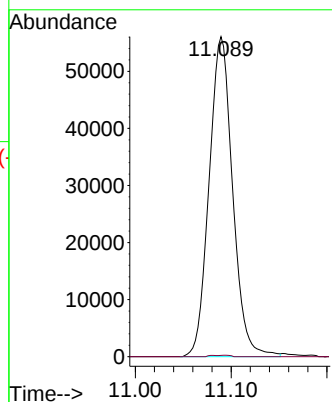
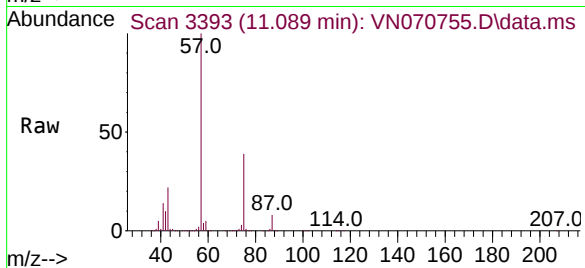
PB142209ZHE#03

Tgt Ion: 76 Resp: 95689

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 100.815 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.005 min

Lab File: VN070755.D

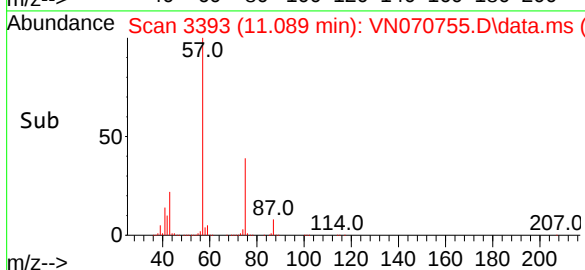
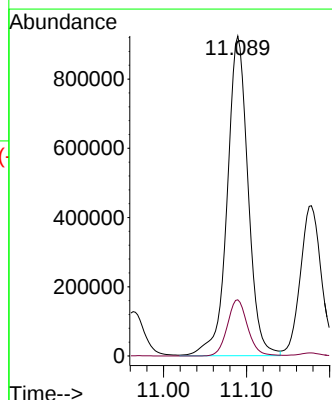
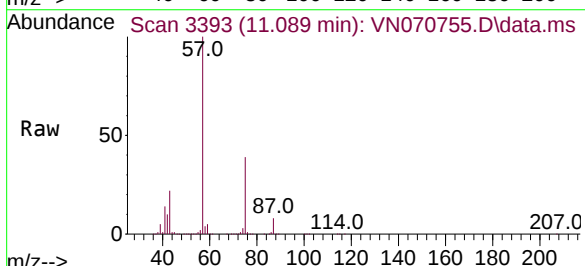
Acq: 24 Jan 2022 15:04

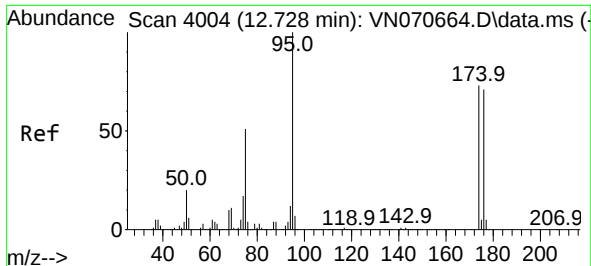
Tgt Ion: 43 Resp: 1612029

Ion Ratio Lower Upper

43 100

58 17.2 26.9 80.7#

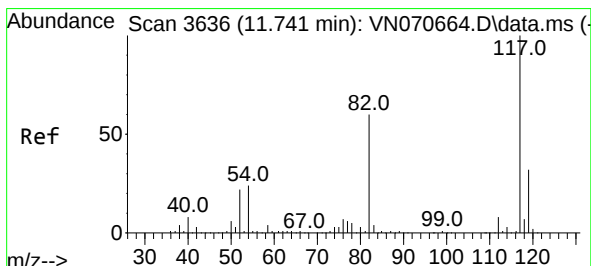
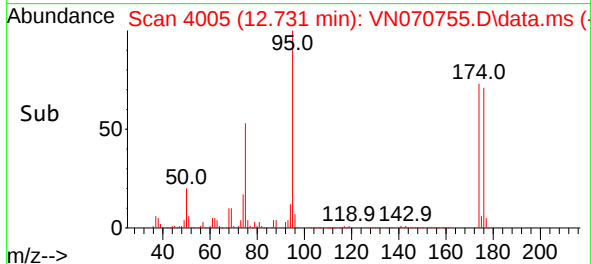
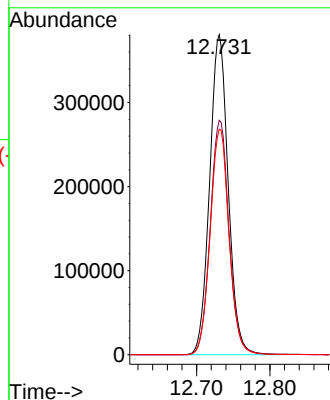
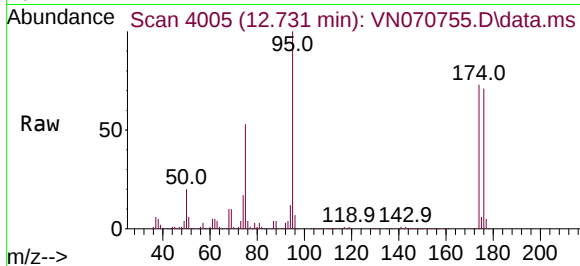




#62
4-Bromofluorobenzene
Concen: 44.122 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

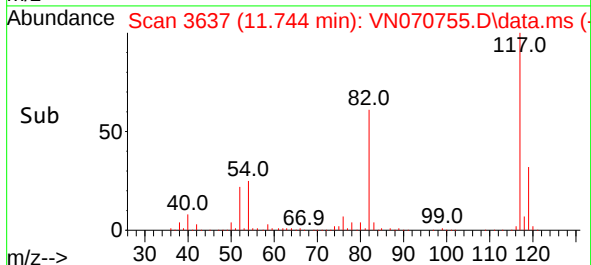
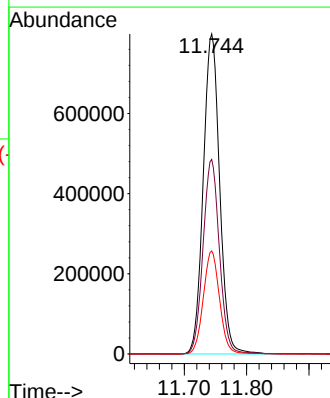
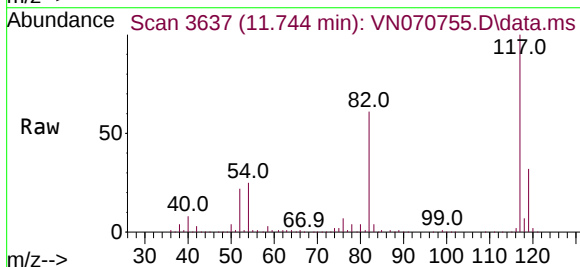
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

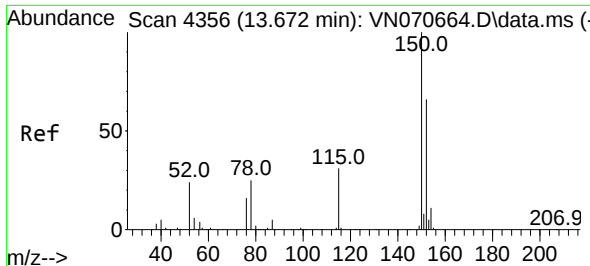
Tgt Ion: 95 Resp: 669286
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

Tgt Ion: 117 Resp: 1459694
Ion Ratio Lower Upper
117 100
82 60.8 42.4 63.6
119 32.2 25.4 38.2

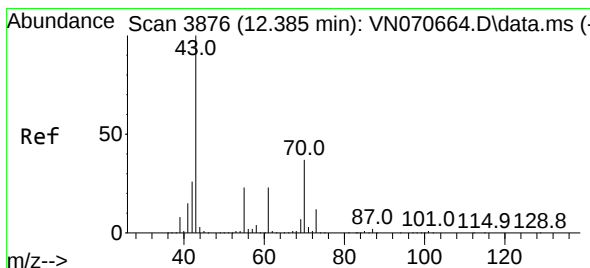
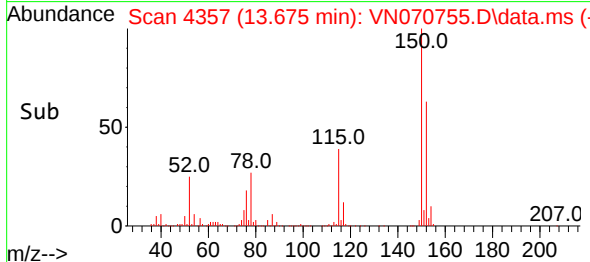
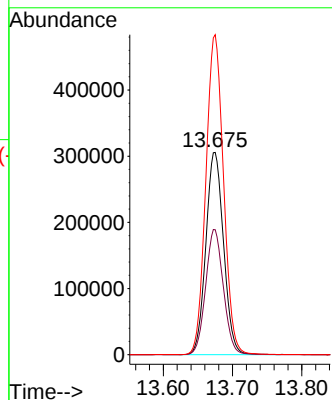
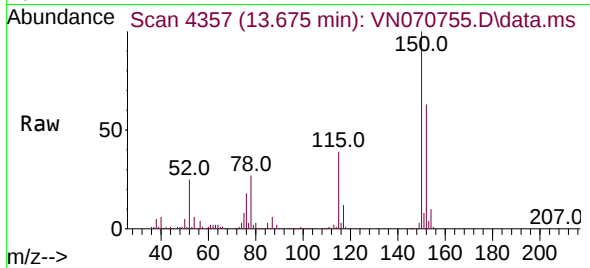




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

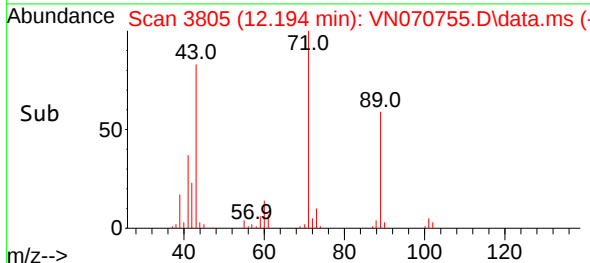
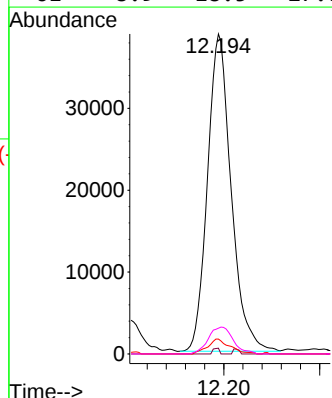
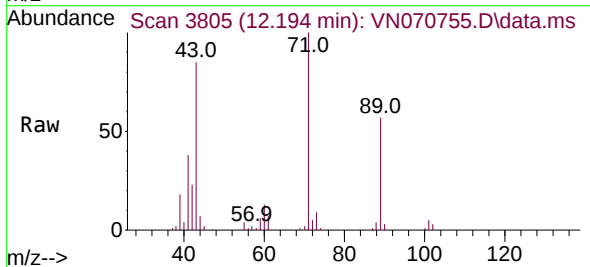
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

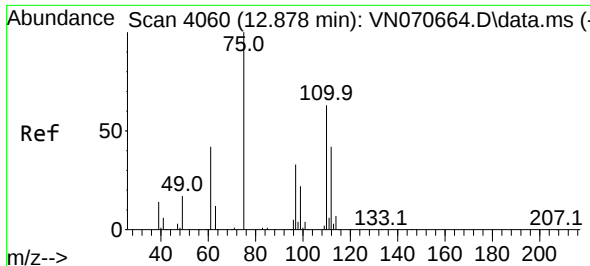
Tgt Ion:152 Resp: 544163
Ion Ratio Lower Upper
152 100
115 61.8 27.5 82.5
150 157.8 0.0 344.4



#74
N-ethyl acetate
Concen: 3.161 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

Tgt Ion: 43 Resp: 66532
Ion Ratio Lower Upper
43 100
70 0.5 33.4 50.0#
55 4.4 19.3 28.9#
61 8.9 18.5 27.7#

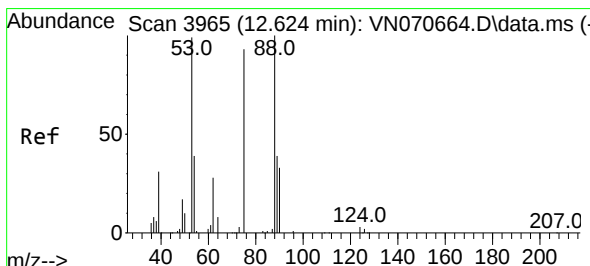
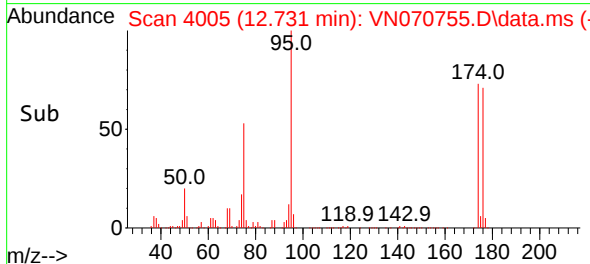
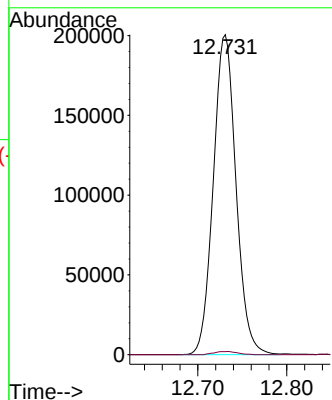
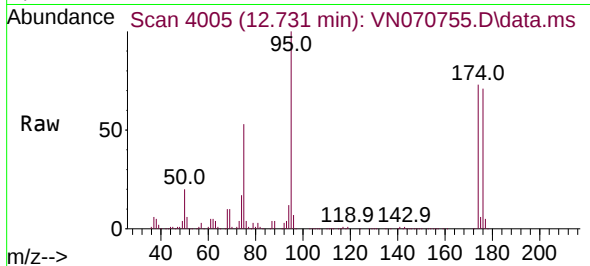




#76
1,2,3-Trichloropropane
Concen: 24.646 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

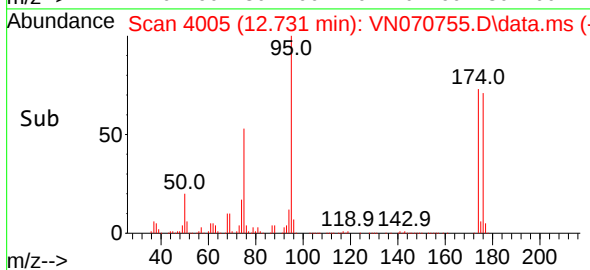
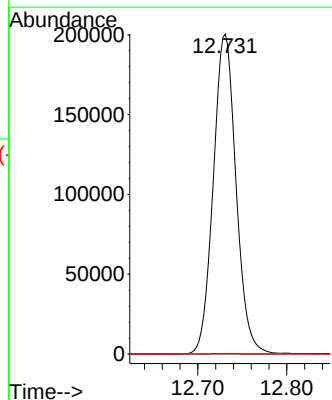
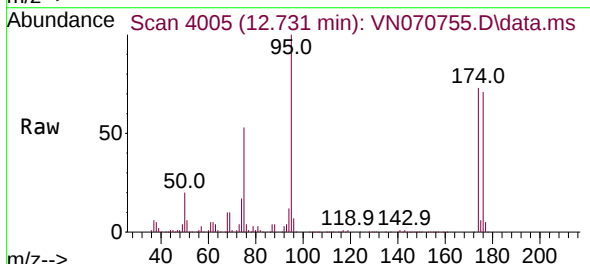
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

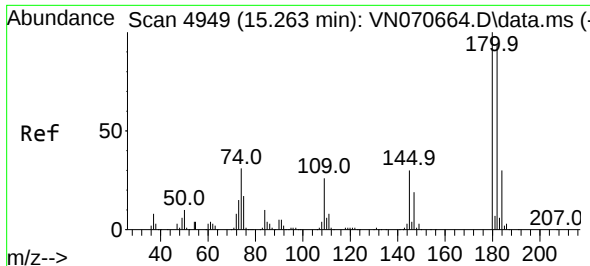
Tgt Ion: 75 Resp: 355703
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.424 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

Tgt Ion: 75 Resp: 355703
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

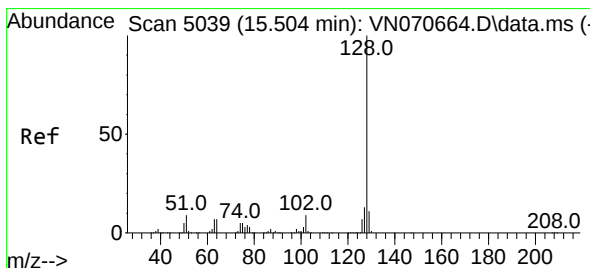
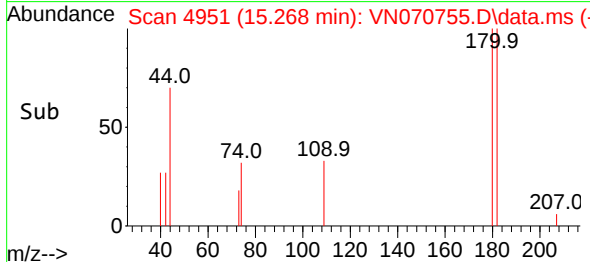
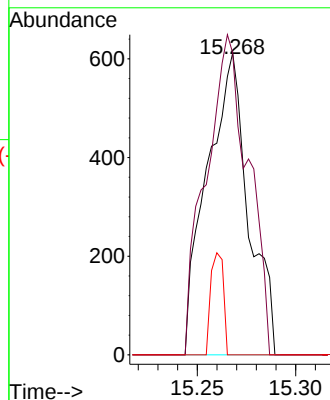
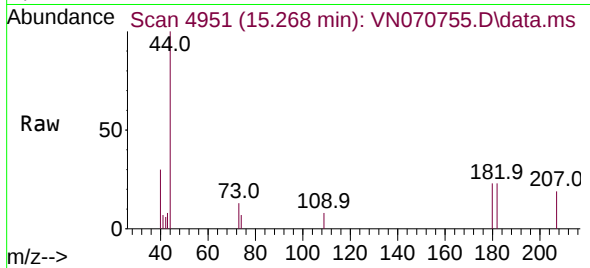




#93
1,2,4-Trichlorobenzene
Concen: 3.508 ug/l
RT: 15.268 min Scan# 4949
Delta R.T. 0.005 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

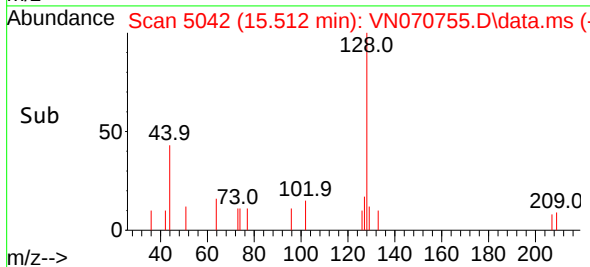
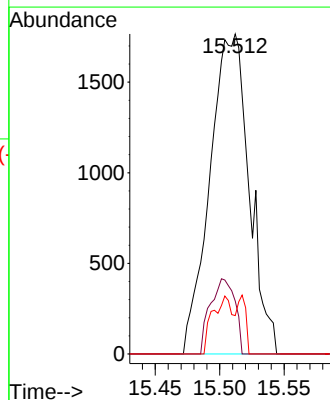
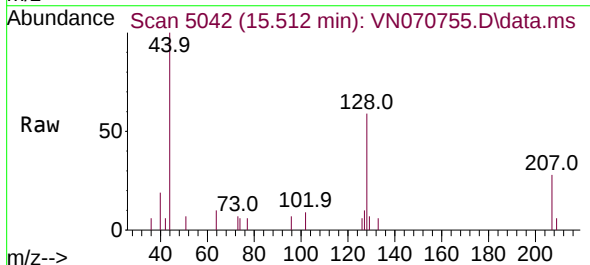
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#03

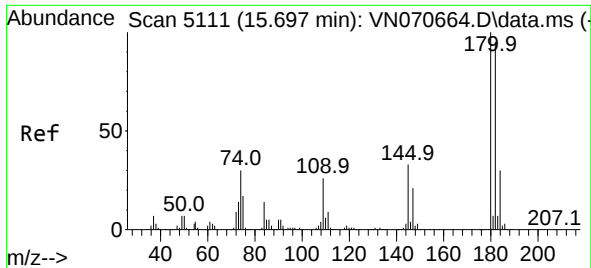
Tgt Ion:180 Resp: 891
Ion Ratio Lower Upper
180 100
182 108.5 48.3 144.9
145 10.3 14.5 43.5#



#95
Naphthalene
Concen: 5.068 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.008 min
Lab File: VN070755.D
Acq: 24 Jan 2022 15:04

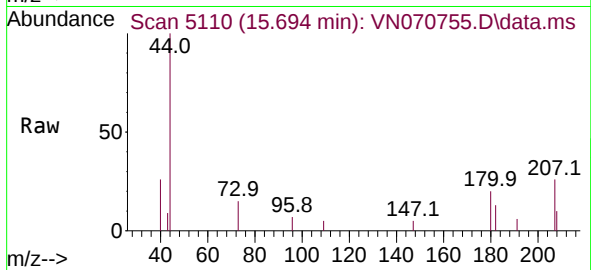
Tgt Ion:128 Resp: 3752
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 3.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.267 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN070755.D
 Acq: 24 Jan 2022 15:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#03



Tgt Ion:180 Resp: 525
 Ion Ratio Lower Upper
 180 100
 182 194.7 47.4 142.2#
 145 4.8 15.0 45.1#

