

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012422\
 Data File : VN070754.D
 Acq On : 24 Jan 2022 14:38
 Operator : JC/MD
 Sample : PB142209ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#02

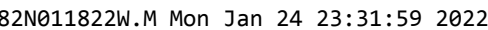
Quant Time: Jan 24 23:31:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

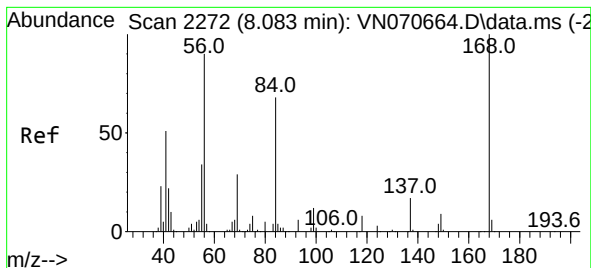
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	1049677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1683071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1501055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	542266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	701560	46.635	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.280%		
35) Dibromofluoromethane	8.021	113	487363	46.682	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.360%		
50) Toluene-d8	10.440	98	2082268	47.344	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.680%		
62) 4-Bromofluorobenzene	12.731	95	686541	43.805	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.620%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	90459	8.664	ug/l	99
18) Methyl Acetate	4.857	43	7309	0.356	ug/l	94
20) Methylene Chloride	5.098	84	26163	1.902	ug/l #	86
25) 2-Butanone	7.345	43	13832	1.053	ug/l	94
29) Tetrahydrofuran	7.707	42	2672	0.332	ug/l #	64
31) Cyclohexane	8.086	56	24345	0.919	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	84136	4.787	ug/l #	50
37) Ethyl Acetate	7.345	43	13832	0.593	ug/l #	68
38) Carbon Tetrachloride	8.086	117	105689	6.760	ug/l #	17
43) Isopropyl Acetate	8.560	43	123947	3.478	ug/l #	86
48) Methyl methacrylate	9.545	41	29663	1.747	ug/l #	8
49) 1,4-Dioxane	9.622	88	785	3.078	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	23976	1.054	ug/l	96
53) t-1,3-Dichloropropene	10.711	75	211	2.413	ug/l #	85
54) cis-1,3-Dichloropropene	10.242	75	169784	8.039	ug/l #	61
56) Ethyl methacrylate	10.706	69	464	2.320	ug/l #	24
57) 1,3-Dichloropropane	11.087	76	95061	4.196	ug/l #	43
59) 2-Hexanone	11.089	43	1611613	97.550	ug/l #	48
74) N-amyl acetate	12.382	43	4587	0.219	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	366255	25.466	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	9339	0.225	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.731	75	366255	75.866	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	1627	3.576	ug/l	60
95) Naphthalene	15.509	128	6333	5.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	1667	3.379	ug/l	93

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
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QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070754.D

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MSVOA_N

ClientSampleId :

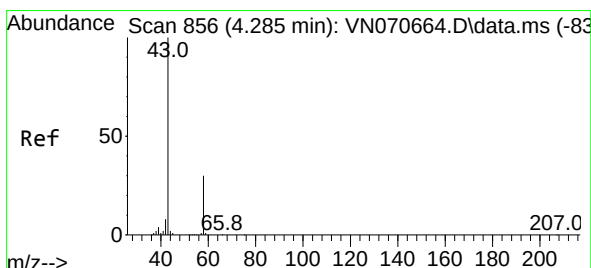
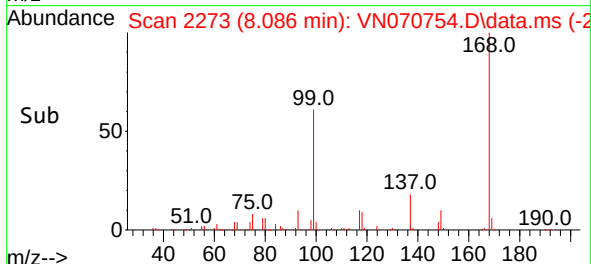
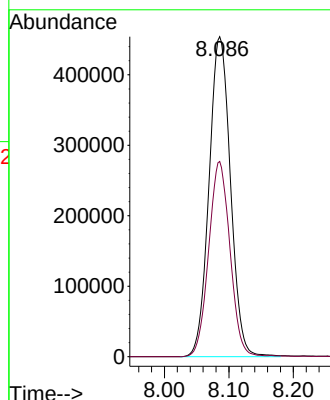
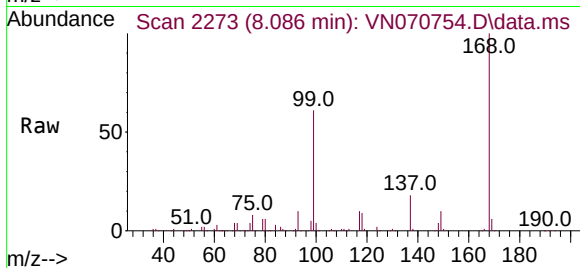
PB142209ZHE#02

Tgt Ion:168 Resp: 1049677

Ion Ratio Lower Upper

168 100

99 61.0 41.3 61.9



#16

Acetone

Concen: 8.664 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN070754.D

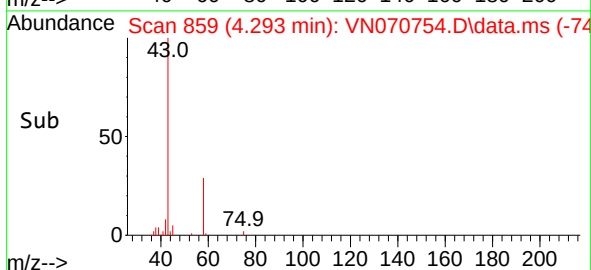
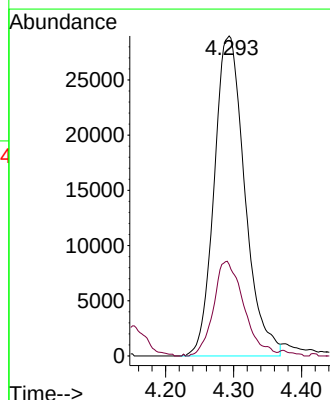
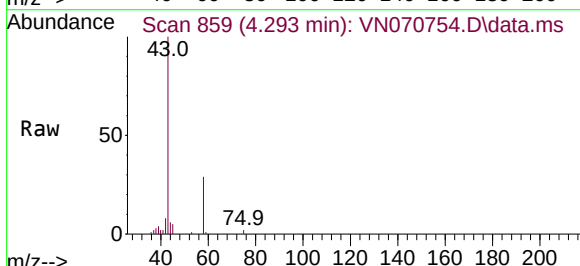
Acq: 24 Jan 2022 14:38

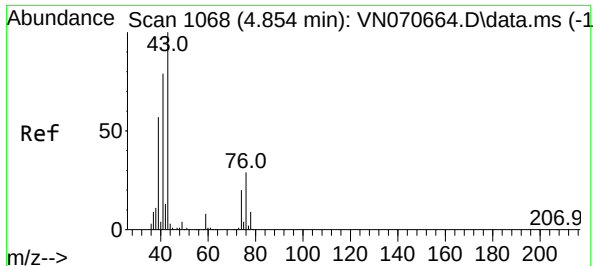
Tgt Ion: 43 Resp: 90459

Ion Ratio Lower Upper

43 100

58 28.6 23.1 34.7

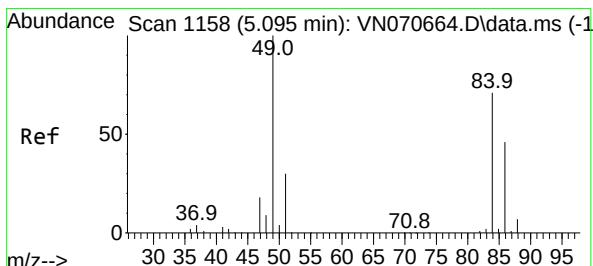
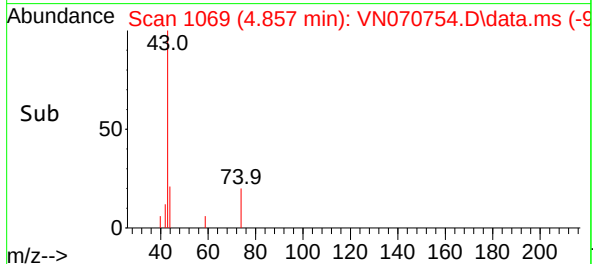
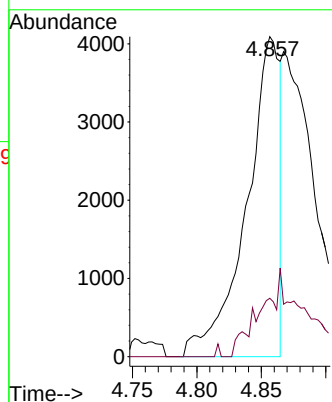
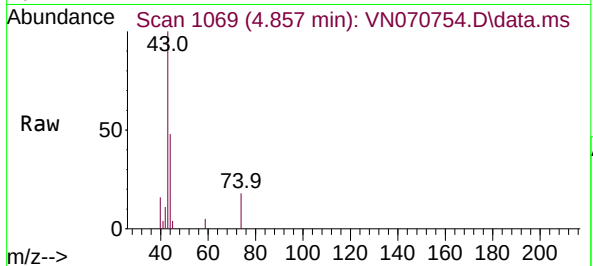




#18
Methyl Acetate
Concen: 0.356 ug/l
RT: 4.857 min Scan# 1068
Delta R.T. 0.003 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

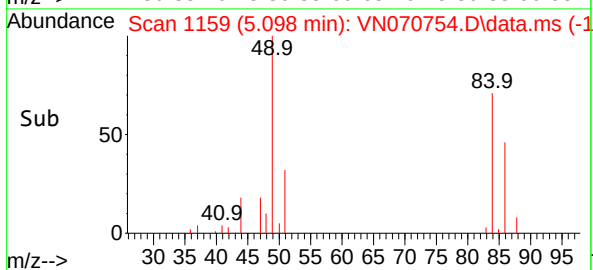
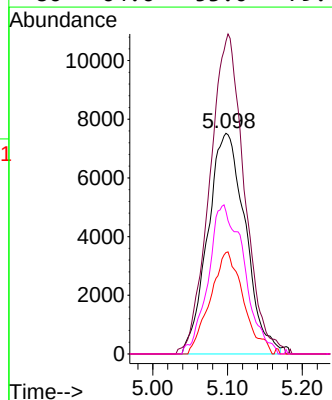
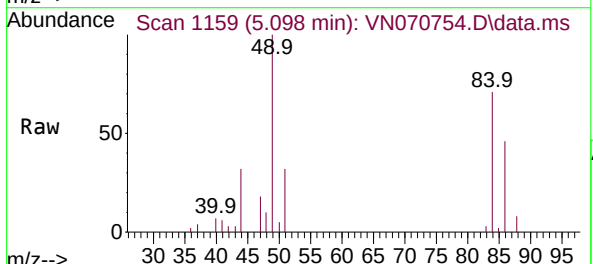
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

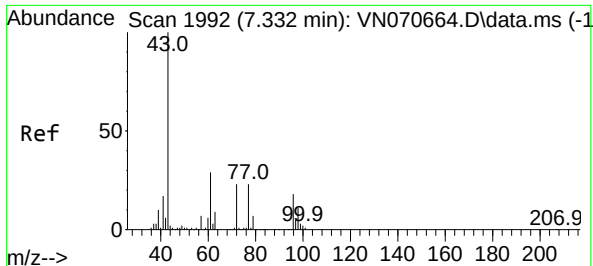
Tgt Ion: 43 Resp: 7309
Ion Ratio Lower Upper
43 100
74 21.1 19.4 29.2



#20
Methylene Chloride
Concen: 1.902 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion: 84 Resp: 26163
Ion Ratio Lower Upper
84 100
49 139.2 93.5 140.3
51 46.0 29.4 44.2#
86 64.6 53.0 79.4





#25

2-Butanone

Concen: 1.053 ug/l

RT: 7.345 min Scan# 1992

Delta R.T. 0.013 min

Lab File: VN070754.D

Acq: 24 Jan 2022 14:38

Instrument :

MSVOA_N

ClientSampleId :

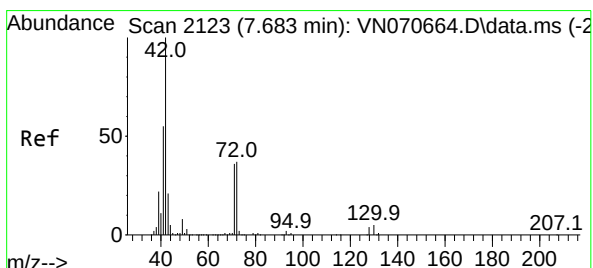
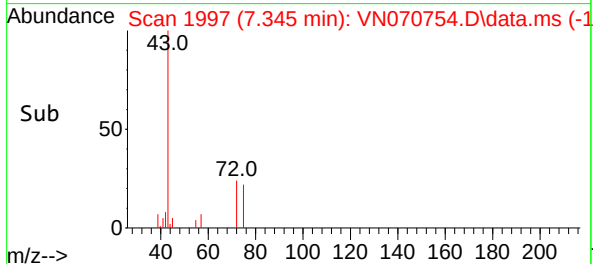
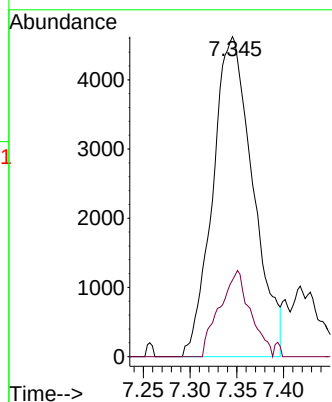
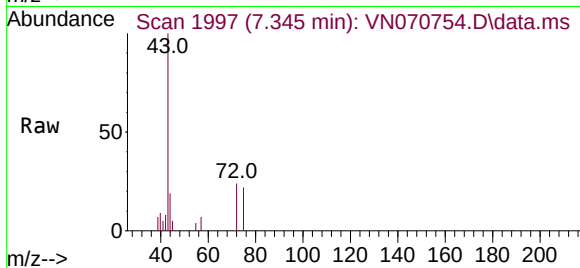
PB142209ZHE#02

Tgt Ion: 43 Resp: 13832

Ion Ratio Lower Upper

43 100

72 23.9 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.332 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.024 min

Lab File: VN070754.D

Acq: 24 Jan 2022 14:38

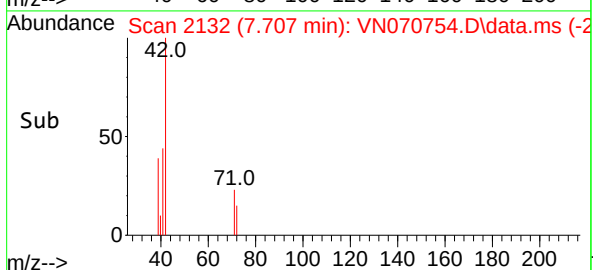
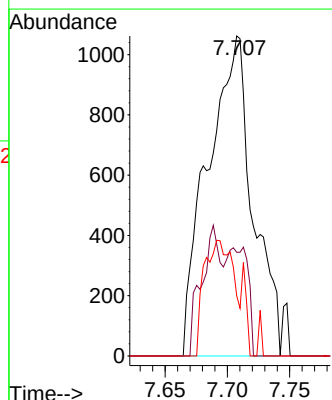
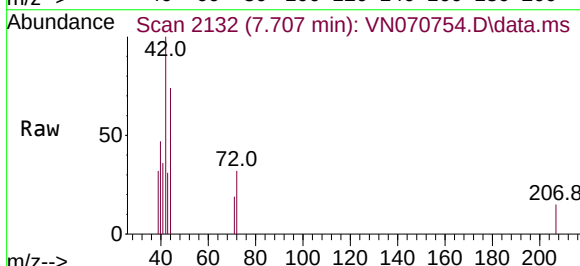
Tgt Ion: 42 Resp: 2672

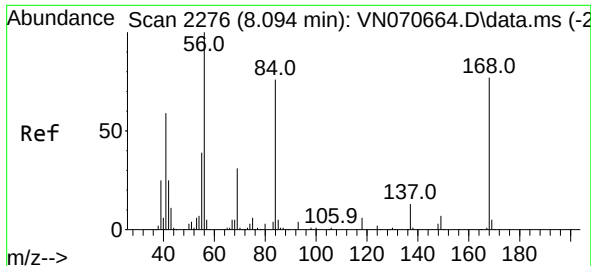
Ion Ratio Lower Upper

42 100

72 18.0 36.3 54.5#

71 23.6 34.7 52.1#

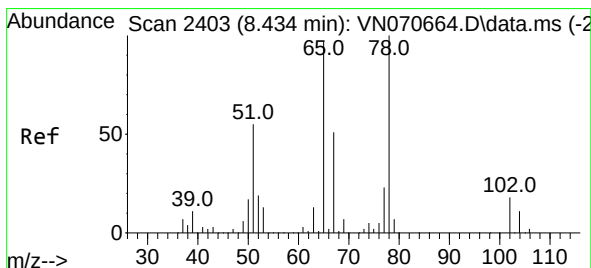
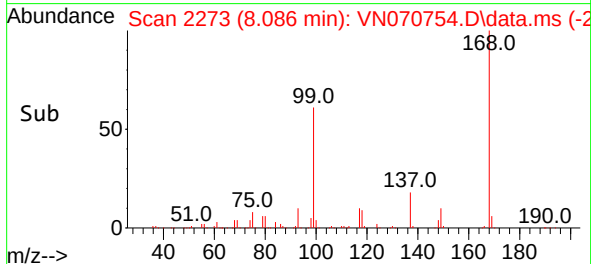
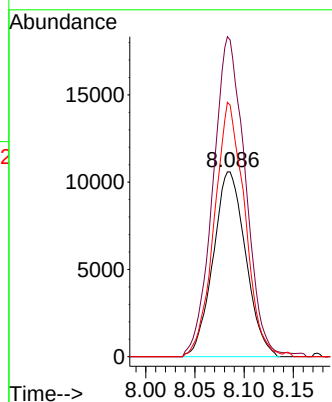
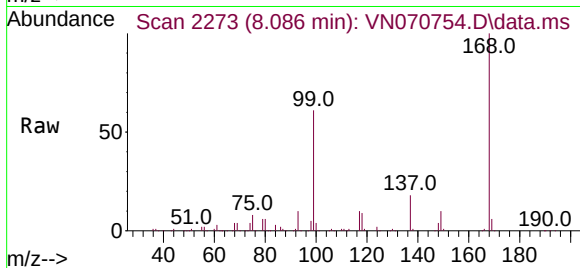




#31
Cyclohexane
Concen: 0.919 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

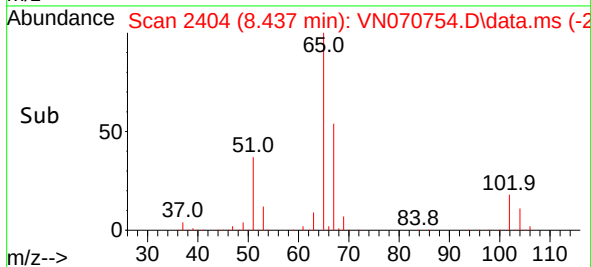
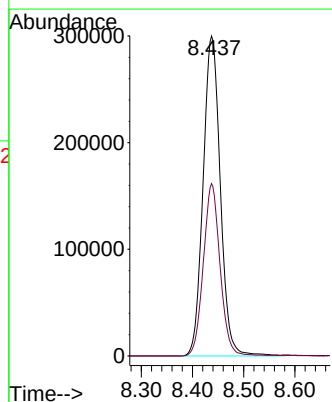
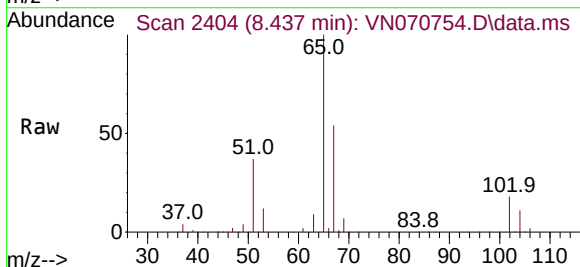
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

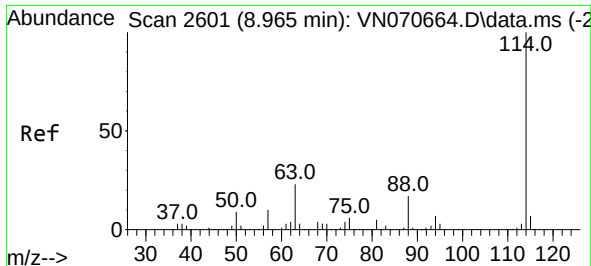
Tgt Ion: 56 Resp: 24345
Ion Ratio Lower Upper
56 100
69 171.3 27.1 40.7#
84 136.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.635 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion: 65 Resp: 701560
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070754.D

Acq: 24 Jan 2022 14:38

Instrument :

MSVOA_N

ClientSampleId :

PB142209ZHE#02

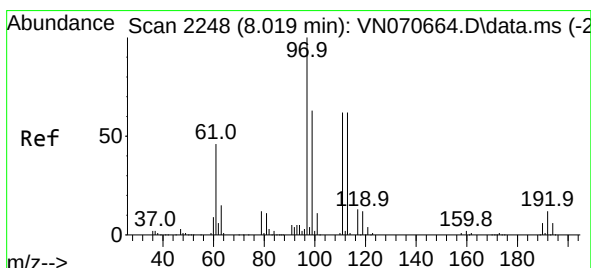
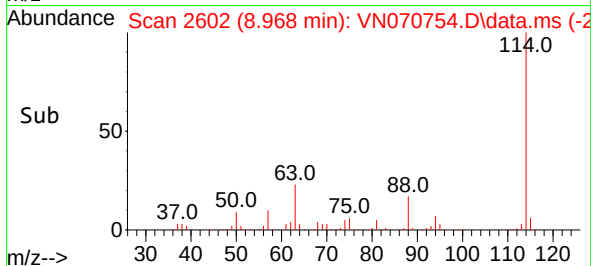
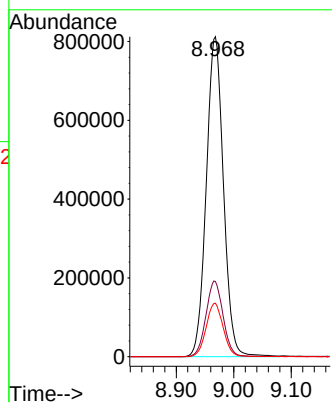
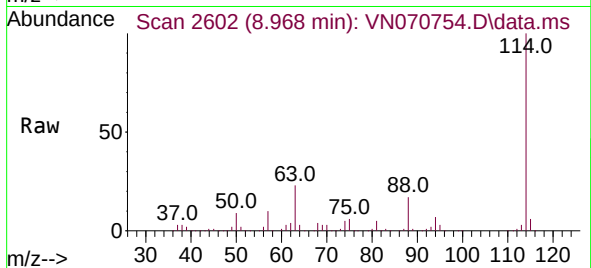
Tgt Ion:114 Resp: 1683071

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.682 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.002 min

Lab File: VN070754.D

Acq: 24 Jan 2022 14:38

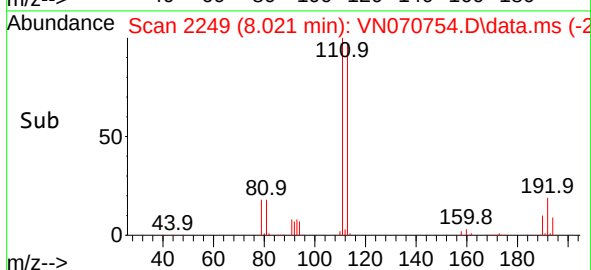
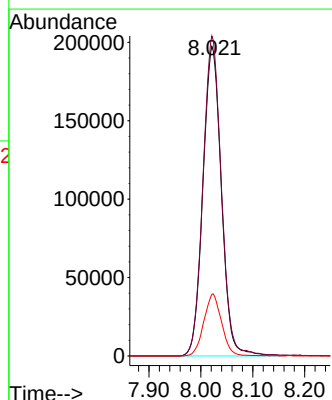
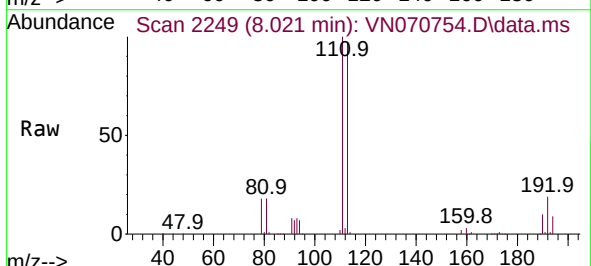
Tgt Ion:113 Resp: 487363

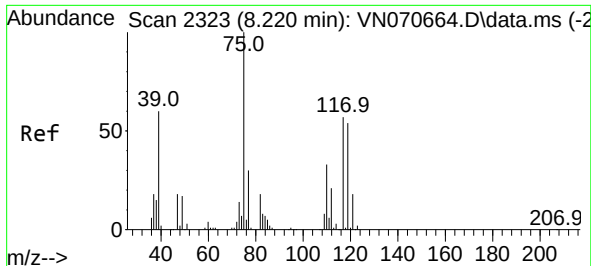
Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

192 19.3 16.9 25.3

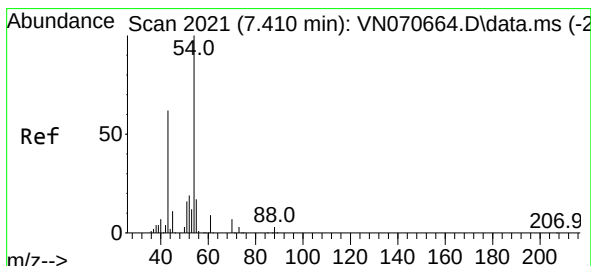
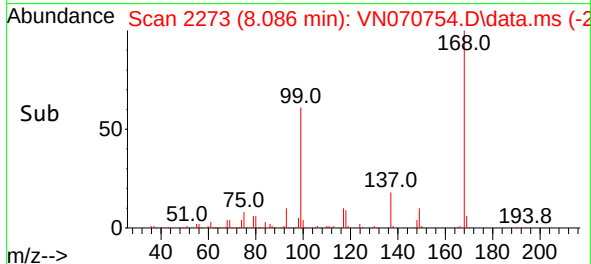
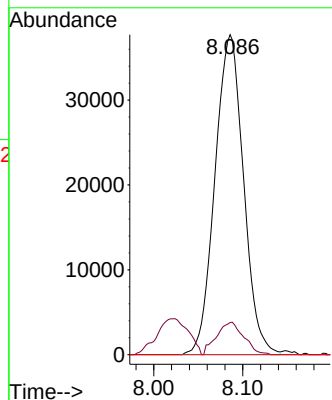
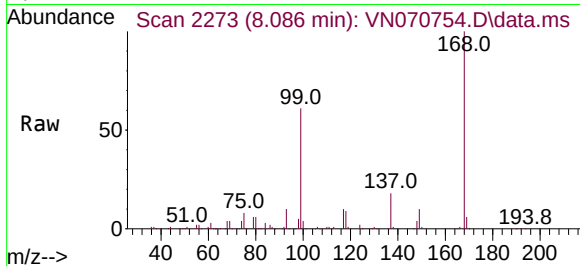




#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.134 min
 Lab File: VN070754.D
 Acq: 24 Jan 2022 14:38

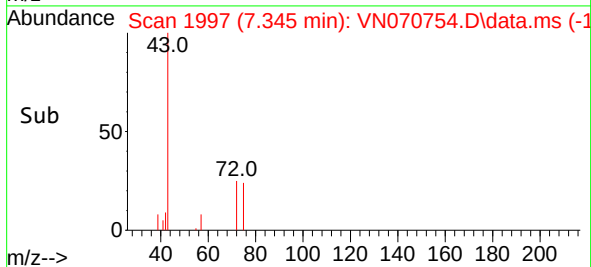
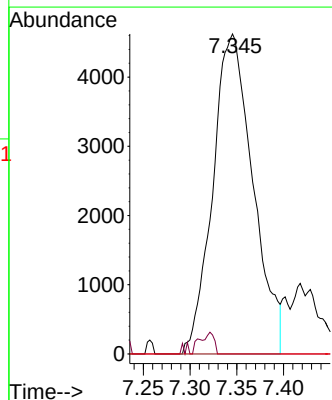
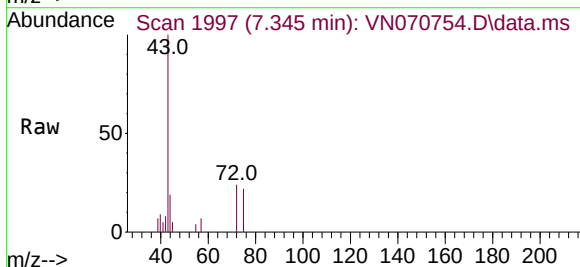
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 PB142209ZHE#02

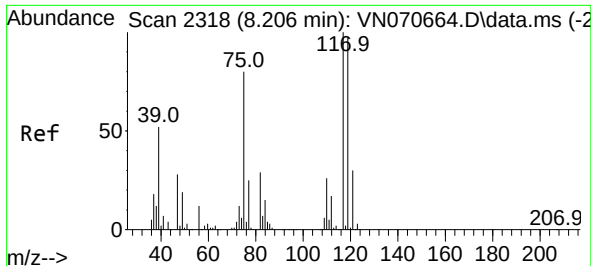
Tgt Ion: 75 Resp: 84136
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.593 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.065 min
 Lab File: VN070754.D
 Acq: 24 Jan 2022 14:38

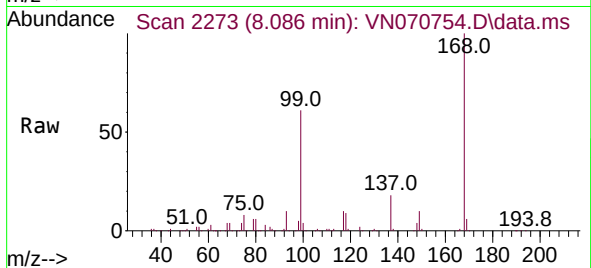
Tgt Ion: 43 Resp: 13832
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



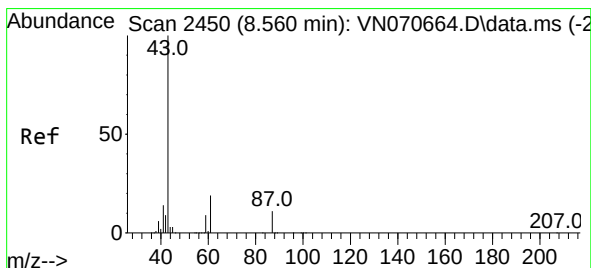
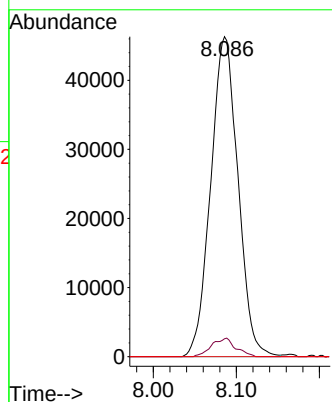
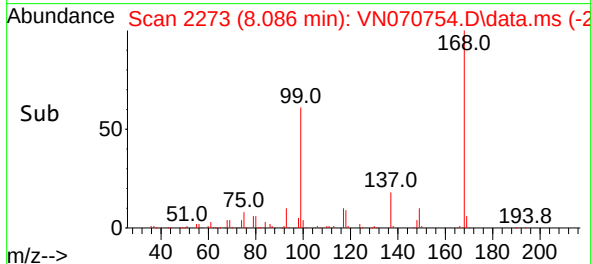


#38
Carbon Tetrachloride
Concen: 6.760 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

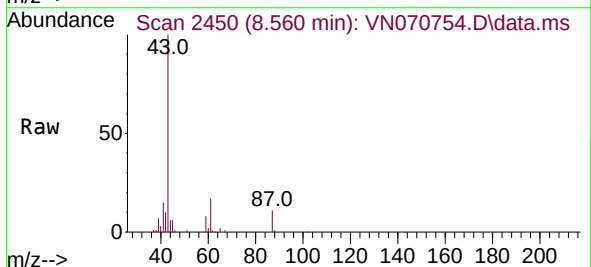
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MSVOA_N
ClientSampleId :
PB142209ZHE#02



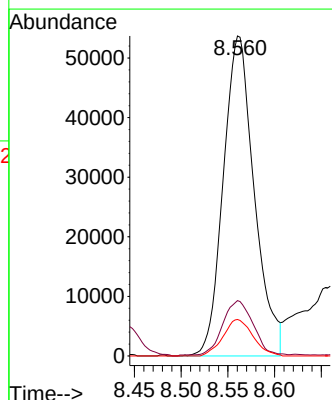
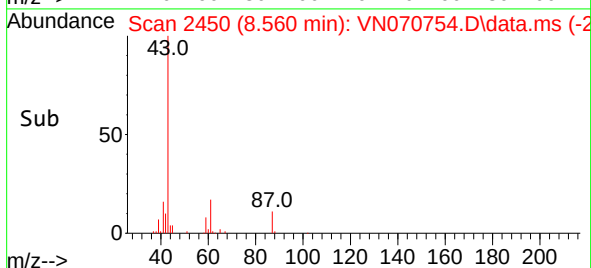
Tgt Ion:117 Resp: 105689
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#

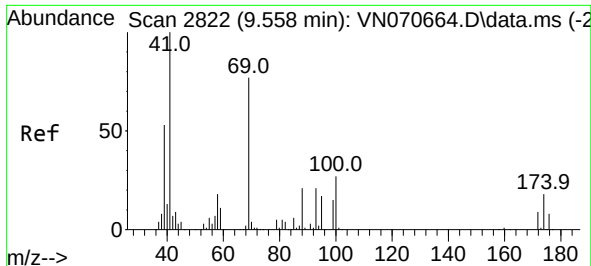


#43
Isopropyl Acetate
Concen: 3.478 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38



Tgt Ion: 43 Resp: 123947
Ion Ratio Lower Upper
43 100
61 16.3 20.4 30.6#
87 11.0 11.2 16.8#

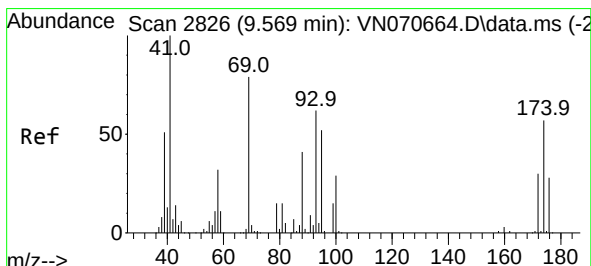
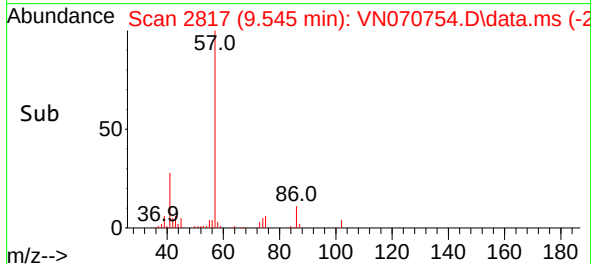
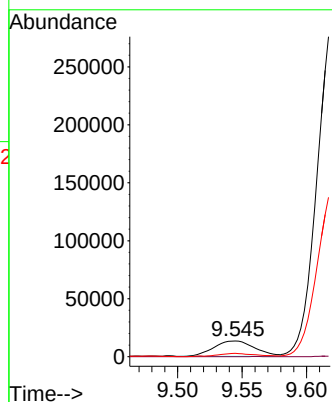
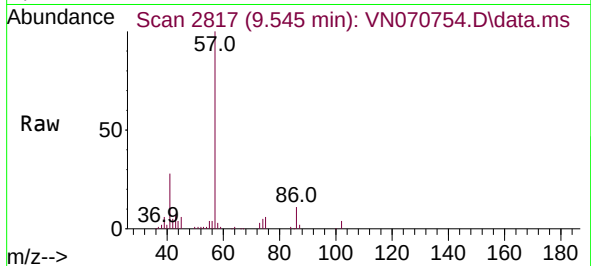




#48
Methyl methacrylate
Concen: 1.747 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

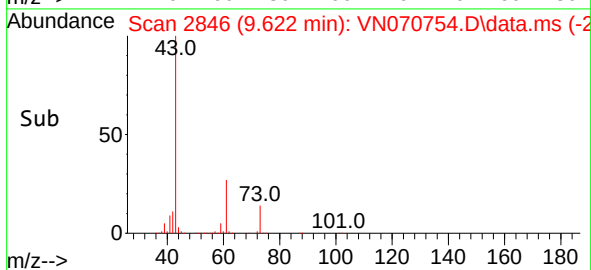
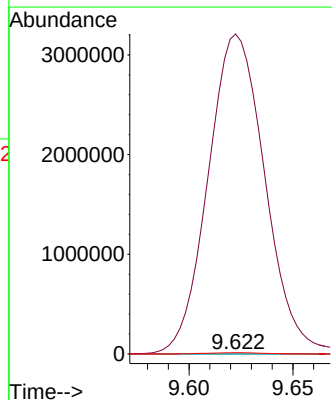
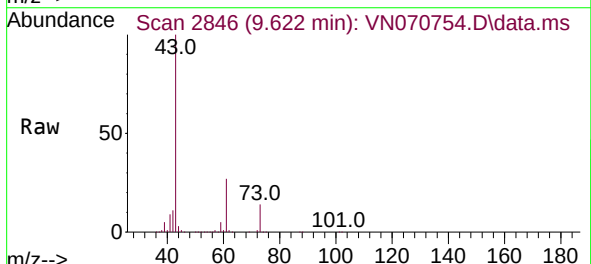
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

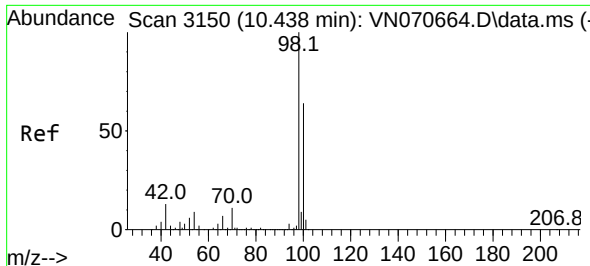
Tgt Ion: 41 Resp: 29663
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.078 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion: 88 Resp: 785
Ion Ratio Lower Upper
88 100
43 793746.4 23.4 35.2#
58 2954.5 50.6 75.8#

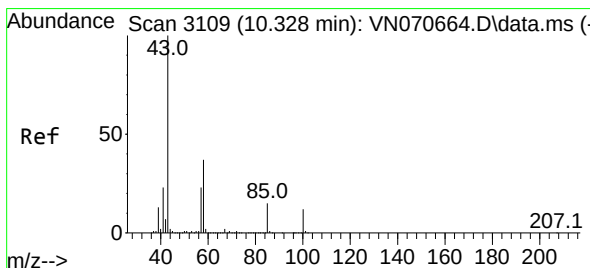
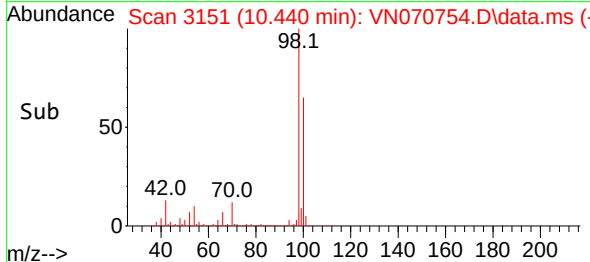
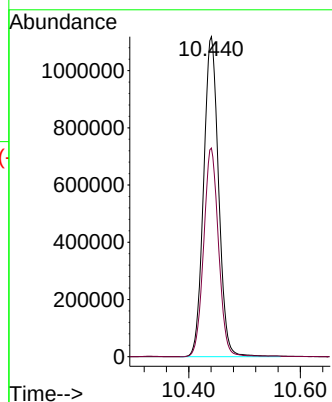
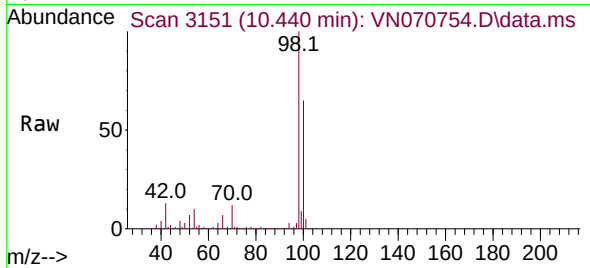




#50
Toluene-d8
Concen: 47.344 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

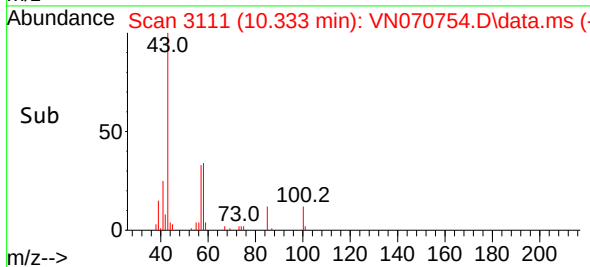
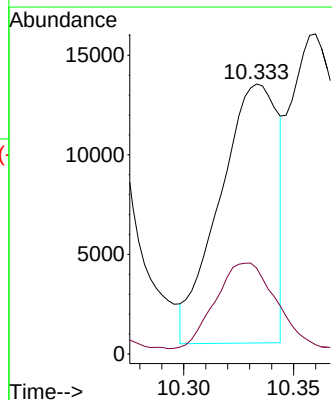
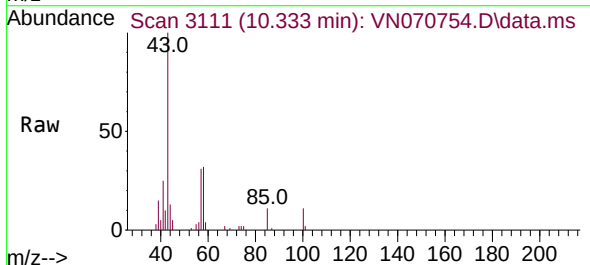
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

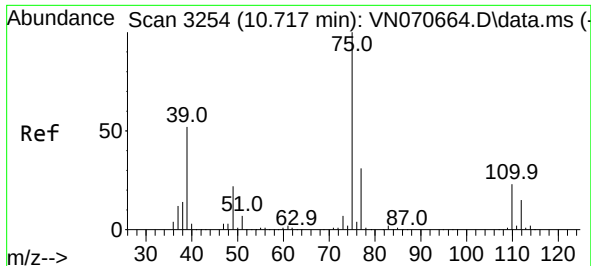
Tgt Ion: 98 Resp: 2082268
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.054 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion: 43 Resp: 23976
Ion Ratio Lower Upper
43 100
58 40.3 30.4 45.6

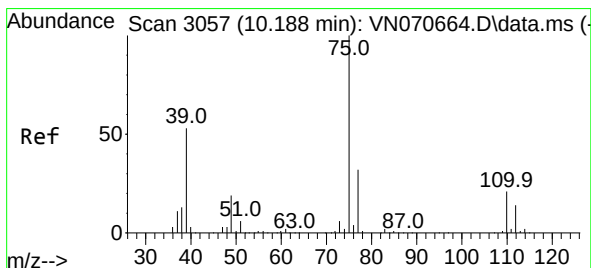
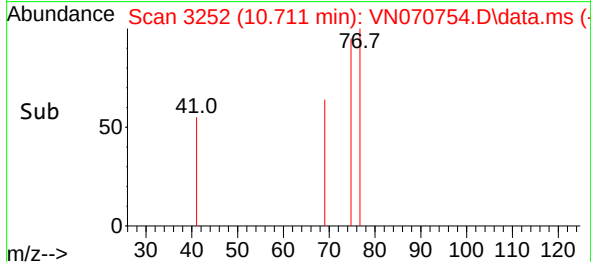
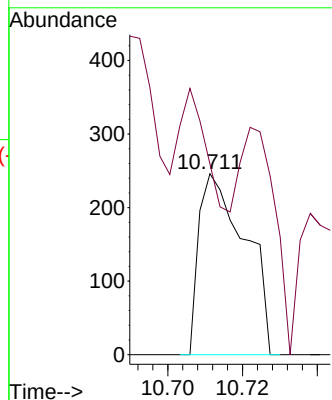
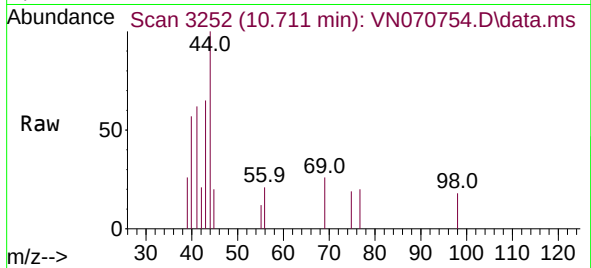




#53
 t-1,3-Dichloropropene
 Concen: 2.413 ug/l
 RT: 10.711 min Scan# 3077
 Delta R.T. -0.006 min
 Lab File: VN070754.D
 Acq: 24 Jan 2022 14:38

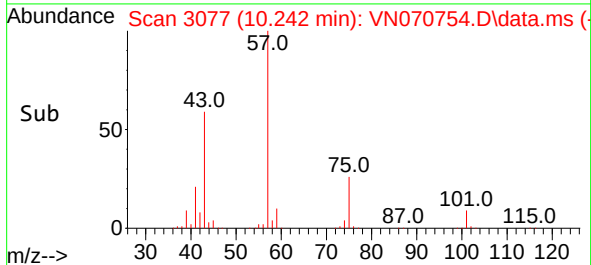
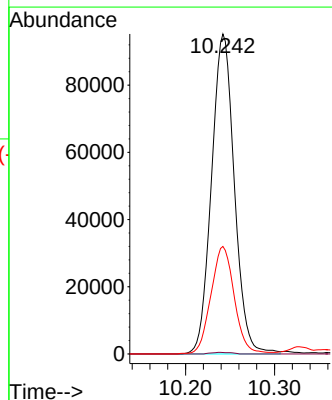
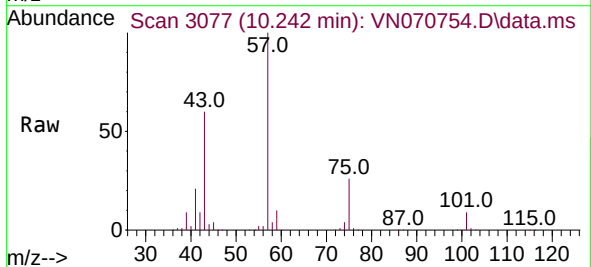
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#02

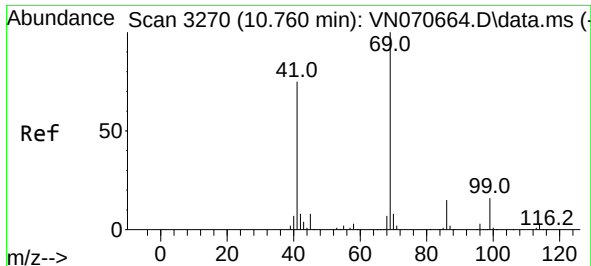
Tgt Ion: 75 Resp: 211
 Ion Ratio Lower Upper
 75 100
 77 40.2 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 8.039 ug/l
 RT: 10.242 min Scan# 3077
 Delta R.T. 0.054 min
 Lab File: VN070754.D
 Acq: 24 Jan 2022 14:38

Tgt Ion: 75 Resp: 169784
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 33.4 42.5 63.7#

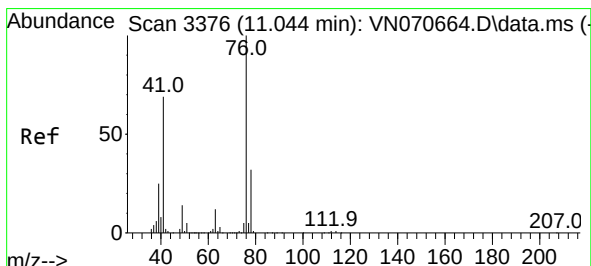
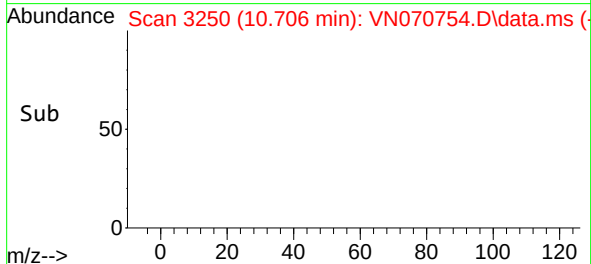
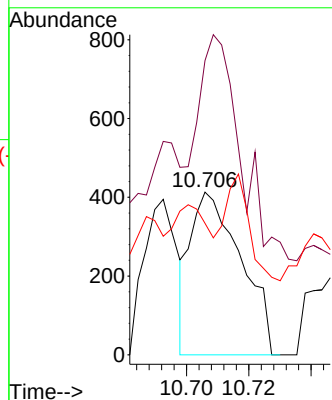
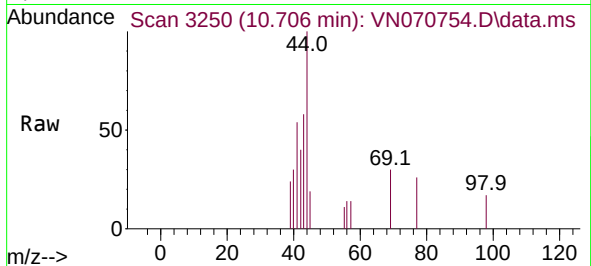




#56
Ethyl methacrylate
Concen: 2.320 ug/l
RT: 10.706 min Scan# 31
Delta R.T. -0.054 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

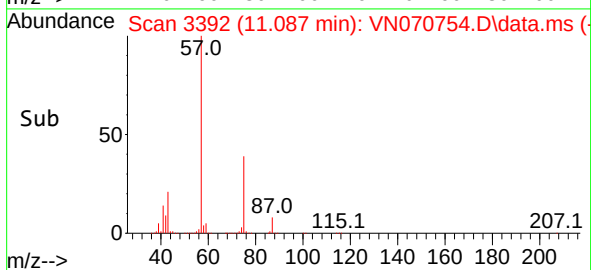
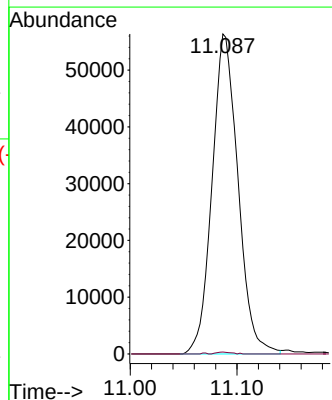
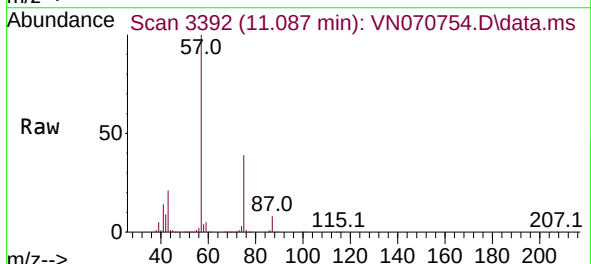
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

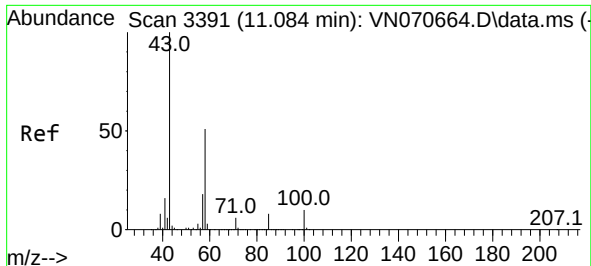
Tgt Ion: 69 Resp: 464
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.196 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.043 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion: 76 Resp: 95061
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

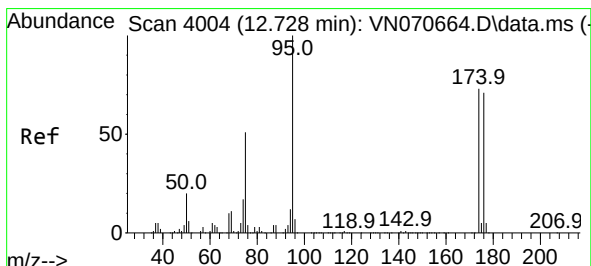
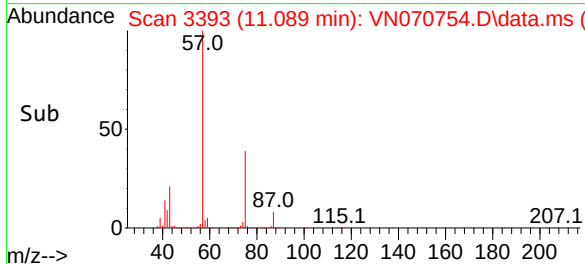
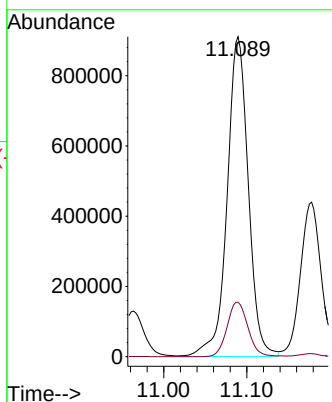
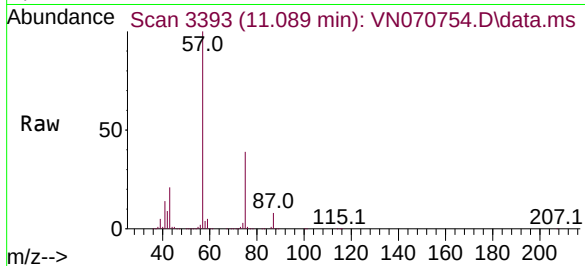




#59
2-Hexanone
Concen: 97.550 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

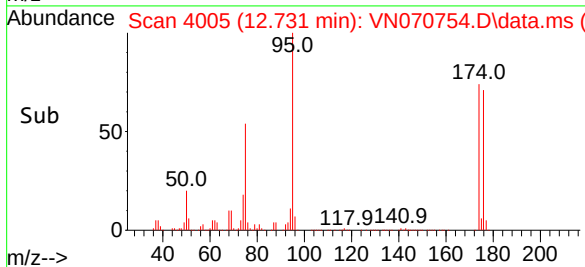
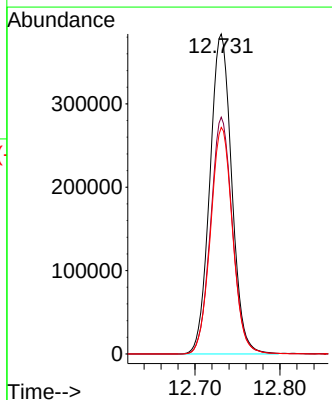
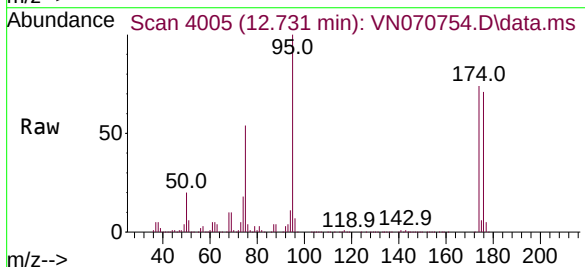
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

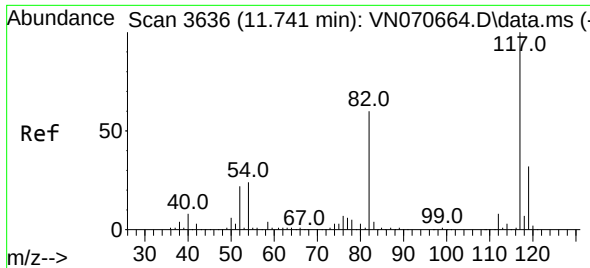
Tgt Ion: 43 Resp: 1611613
Ion Ratio Lower Upper
43 100
58 16.9 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 43.805 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion: 95 Resp: 686541
Ion Ratio Lower Upper
95 100
174 74.1 0.0 187.2
176 71.4 0.0 181.4

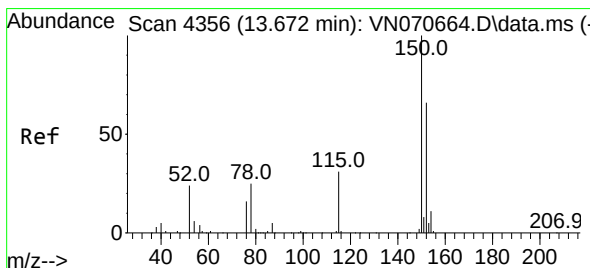
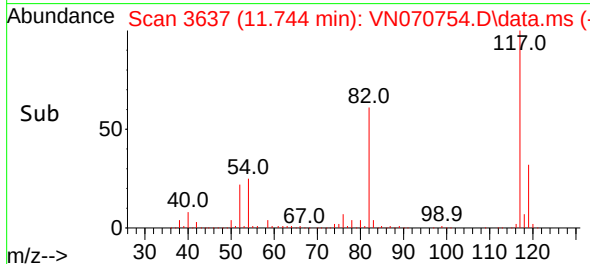
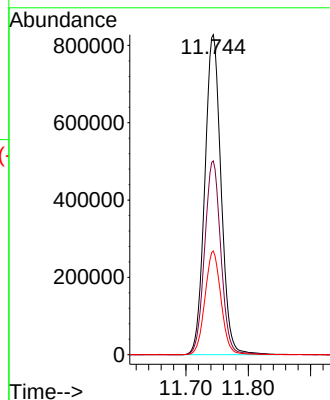
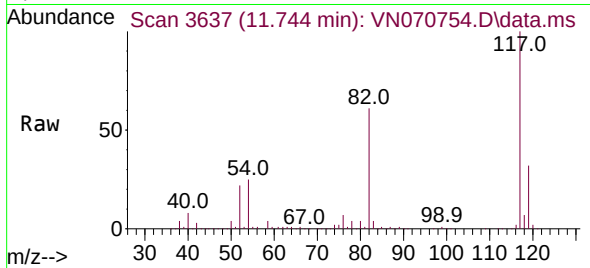




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

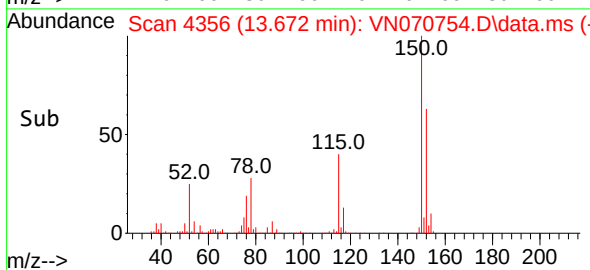
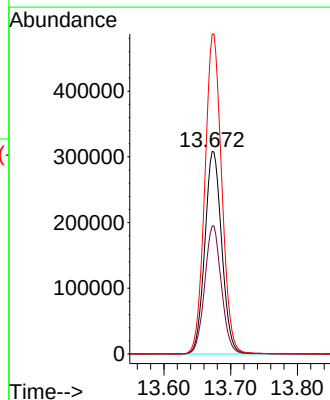
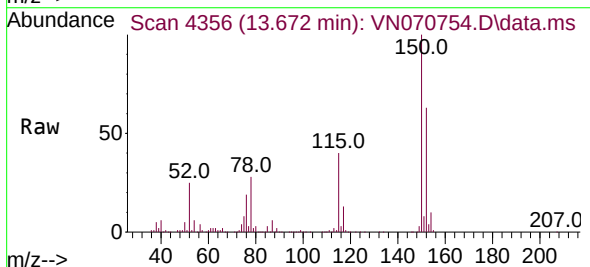
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

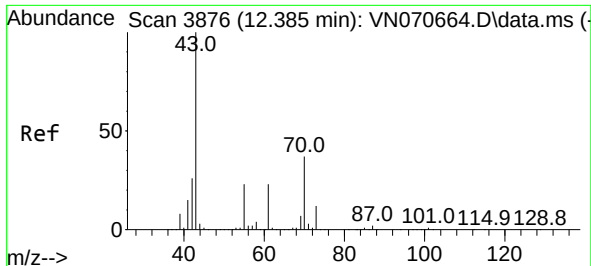
Tgt Ion:117 Resp: 1501055
Ion Ratio Lower Upper
117 100
82 60.6 42.4 63.6
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion:152 Resp: 542266
Ion Ratio Lower Upper
152 100
115 62.5 27.5 82.5
150 157.5 0.0 344.4

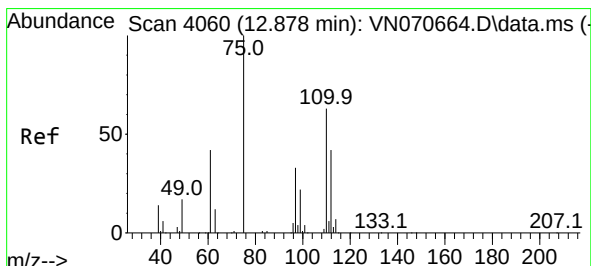
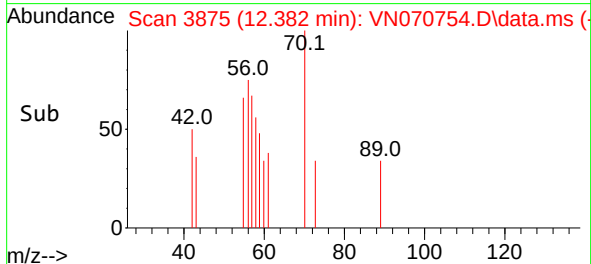
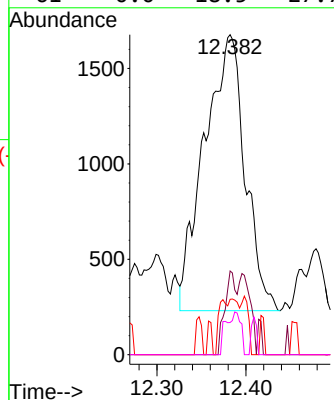
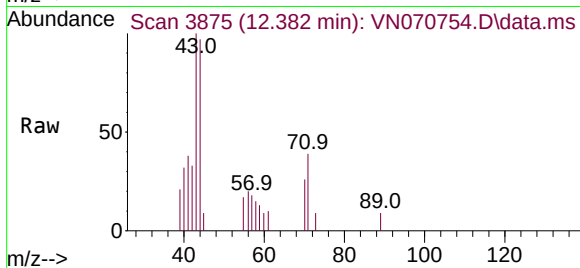




#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 12.382 min Scan# 3876
Delta R.T. -0.003 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

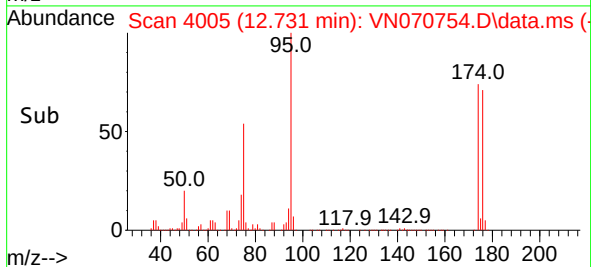
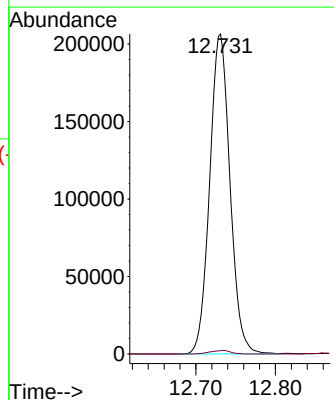
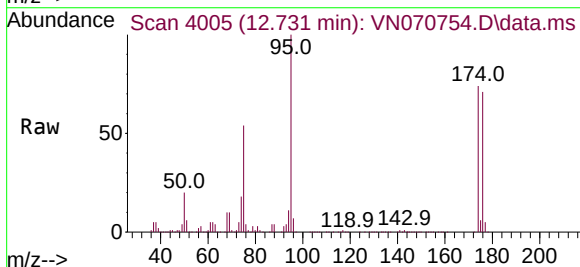
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

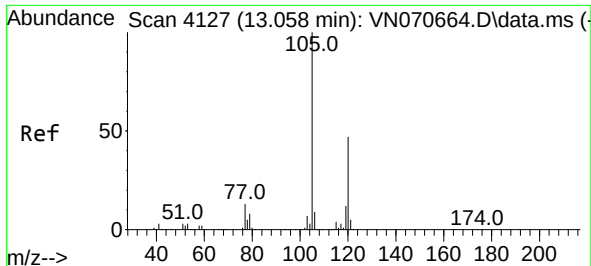
Tgt Ion:	43	Resp:	4587
Ion	Ratio	Lower	Upper
43	100		
70	8.7	33.4	50.0#
55	4.5	19.3	28.9#
61	0.0	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 25.466 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion:	75	Resp:	366255
Ion	Ratio	Lower	Upper
75	100		
77	1.1	82.6	247.8#

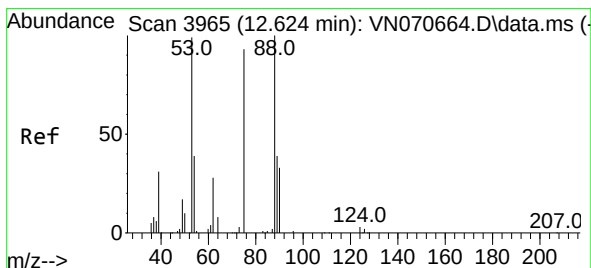
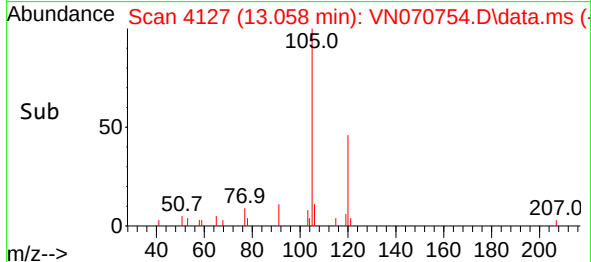
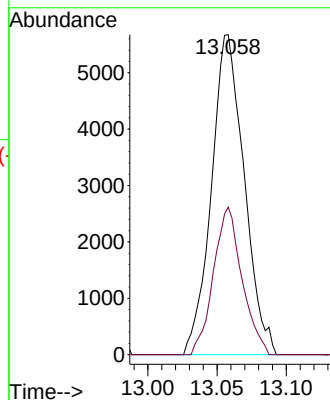
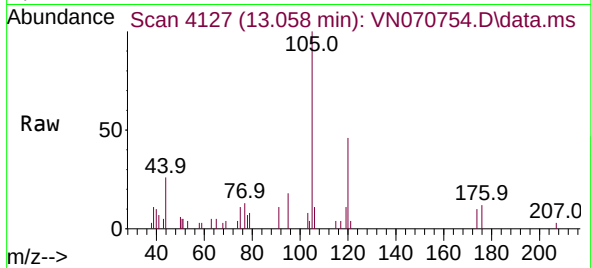




#80
1,3,5-Trimethylbenzene
Concen: 0.225 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

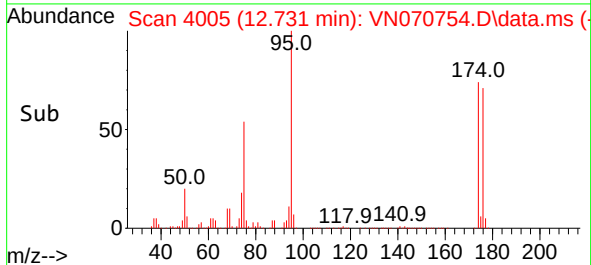
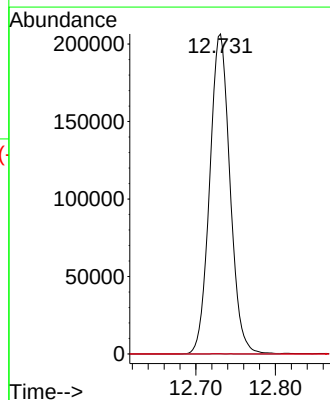
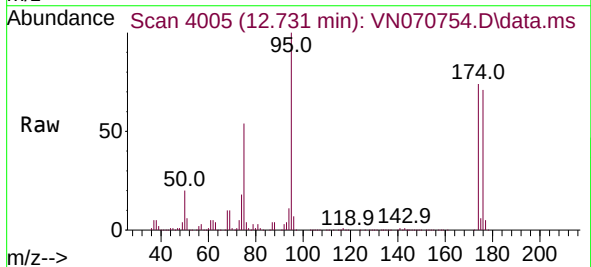
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

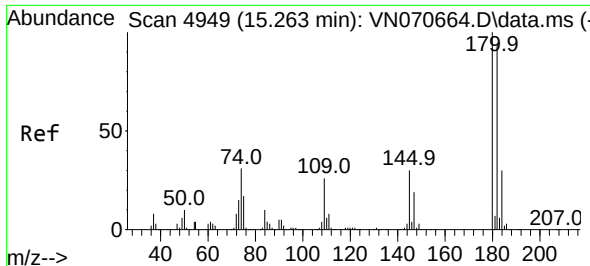
Tgt Ion:105 Resp: 9339
Ion Ratio Lower Upper
105 100
120 40.2 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 75.866 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

Tgt Ion: 75 Resp: 366255
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

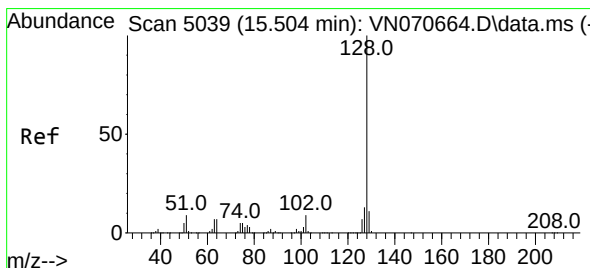
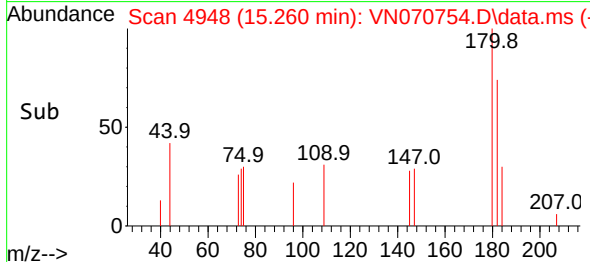
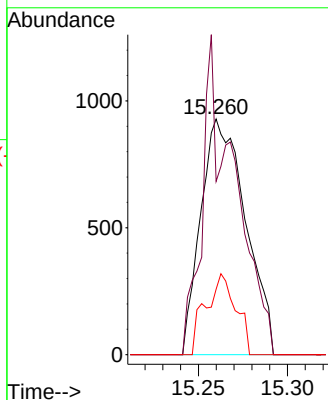
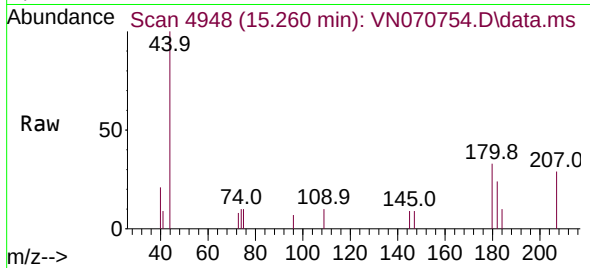




#93
1,2,4-Trichlorobenzene
Concen: 3.576 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

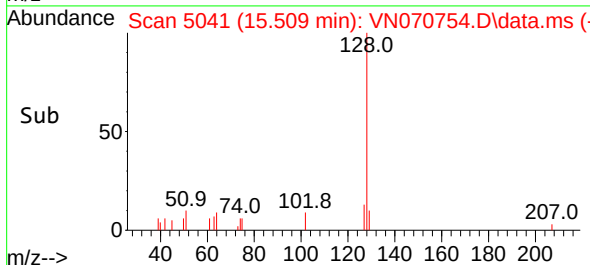
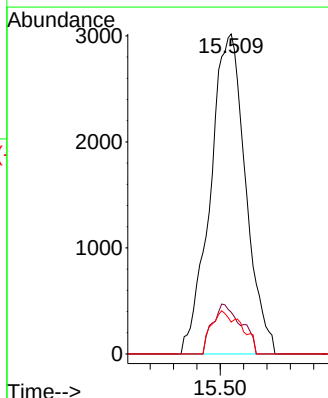
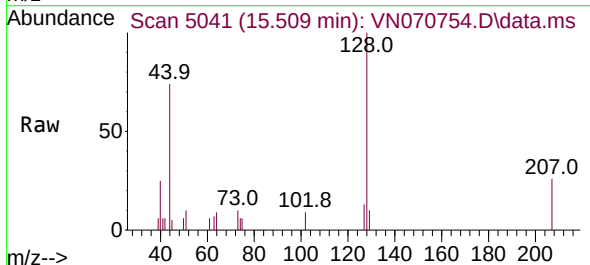
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#02

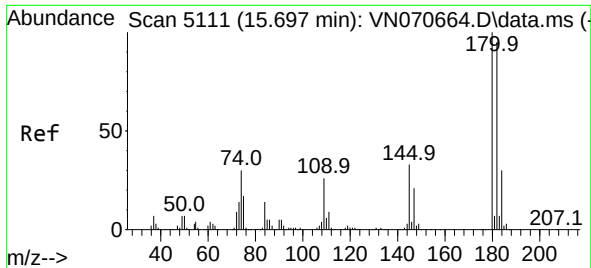
Tgt Ion:180 Resp: 1627
Ion Ratio Lower Upper
180 100
182 48.9 48.3 144.9
145 23.1 14.5 43.5



#95
Naphthalene
Concen: 5.151 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070754.D
Acq: 24 Jan 2022 14:38

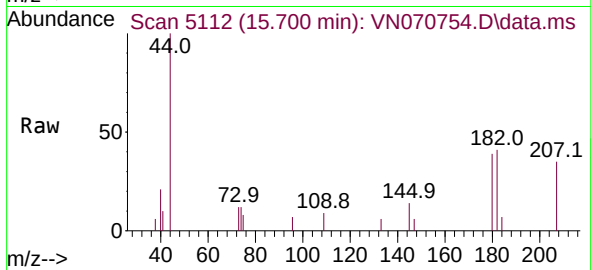
Tgt Ion:128 Resp: 6333
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 11.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.379 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070754.D
 Acq: 24 Jan 2022 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#02



Tgt Ion:	180	Resp:	1667
Ion	Ratio	Lower	Upper
180	100		
182	101.3	47.4	142.2
145	26.3	15.0	45.1

