

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012422\
 Data File : VN070756.D
 Acq On : 24 Jan 2022 15:29
 Operator : JC/MD
 Sample : PB142209ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#04

Quant Time: Jan 24 23:32:27 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)

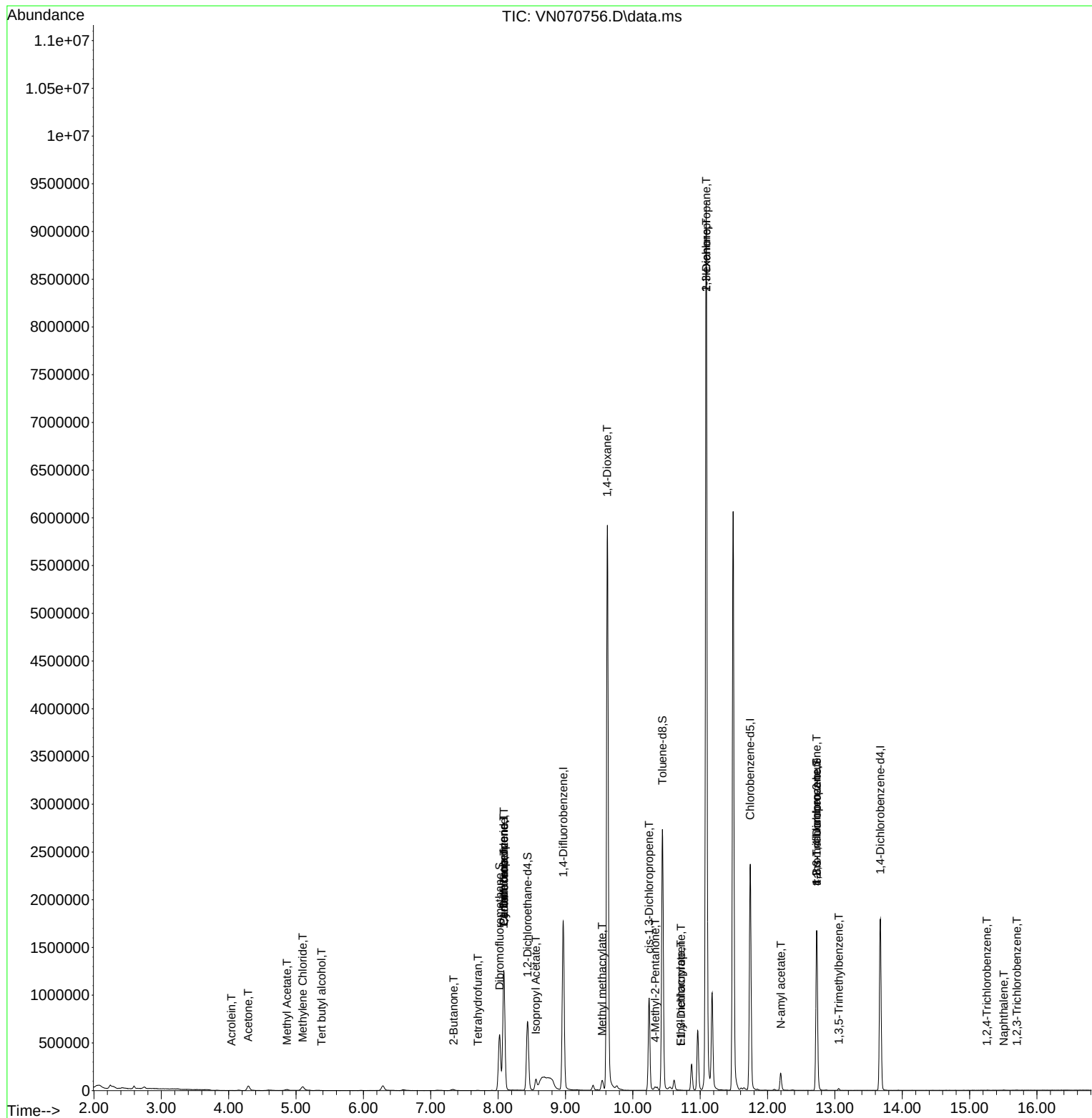
Internal Standards						
1) Pentafluorobenzene	8.085	168	935804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1520906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1357316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	493441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	630773	47.032	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.060%		
35) Dibromofluoromethane	8.024	113	438421	46.471	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.940%		
50) Toluene-d8	10.440	98	1888254	47.511	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.020%		
62) 4-Bromofluorobenzene	12.731	95	613702	43.333	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.660%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.379	59	867	0.358	ug/l #	71
13) Acrolein	4.041	56	845	0.244	ug/l #	65
16) Acetone	4.288	43	89038	9.565	ug/l	99
18) Methyl Acetate	4.867	43	19583	1.070	ug/l	93
20) Methylene Chloride	5.098	84	27151	2.214	ug/l	93
25) 2-Butanone	7.340	43	6901	0.589	ug/l	93
29) Tetrahydrofuran	7.699	42	2661	0.371	ug/l #	34
30) Chloroform	8.072	83	25	Below Cal	#	18
31) Cyclohexane	8.085	56	21609	0.915	ug/l #	9
36) 1,1-Dichloropropene	8.083	75	77442	4.876	ug/l #	49
38) Carbon Tetrachloride	8.085	117	94692	6.702	ug/l #	16
43) Isopropyl Acetate	8.560	43	140698	4.369	ug/l #	83
48) Methyl methacrylate	9.544	41	29962	1.953	ug/l #	8
49) 1,4-Dioxane	9.620	88	536	2.326	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	18035	0.878	ug/l	90
53) t-1,3-Dichloropropene	10.714	75	56	2.407	ug/l #	46
54) cis-1,3-Dichloropropene	10.242	75	166228	8.710	ug/l #	61
56) Ethyl methacrylate	10.711	69	525	2.325	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	95721	4.676	ug/l #	43
59) 2-Hexanone	11.089	43	1598752	107.090	ug/l #	49
74) N-amyl acetate	12.197	43	67454	3.534	ug/l #	52
76) 1,2,3-Trichloropropane	12.731	75	328548	25.104	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	8362	0.222	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.731	75	328548	74.790	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	824	3.509	ug/l #	82
95) Naphthalene	15.506	128	3021	5.055	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.702	180	679	3.289	ug/l #	66

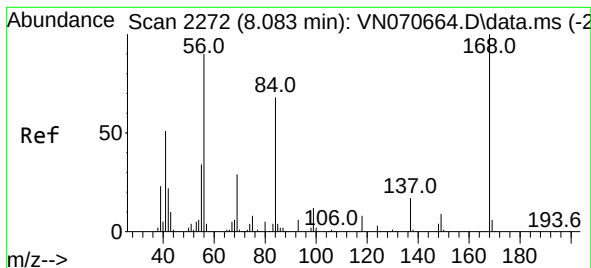
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012422\
Data File : VN070756.D
Acq On : 24 Jan 2022 15:29
Operator : JC/MD
Sample : PB142209ZHE#04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

Quant Time: Jan 24 23:32:27 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.085 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070756.D

Acq: 24 Jan 2022 15:29

Instrument :

MSVOA_N

ClientSampleId :

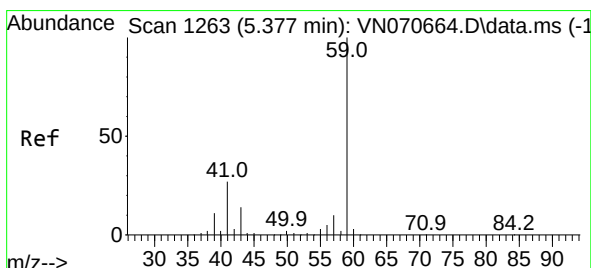
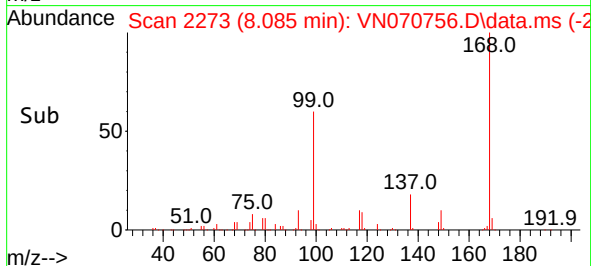
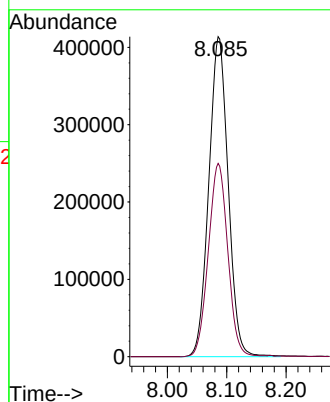
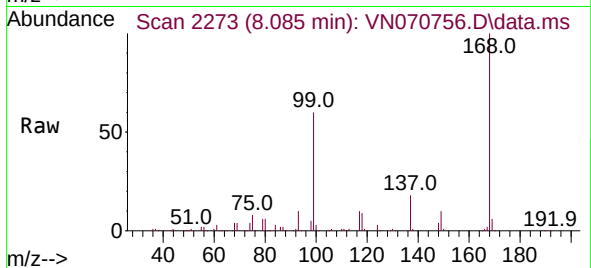
PB142209ZHE#04

Tgt Ion:168 Resp: 935804

Ion Ratio Lower Upper

168 100

99 60.4 41.3 61.9



#11

Tert butyl alcohol

Concen: 0.358 ug/l

RT: 5.379 min Scan# 1264

Delta R.T. 0.002 min

Lab File: VN070756.D

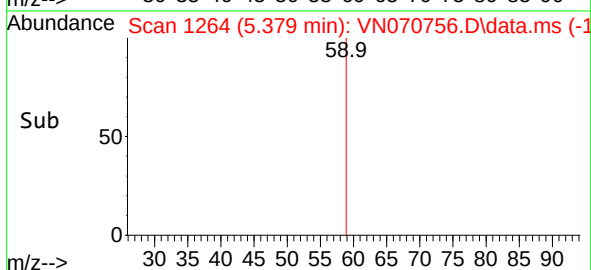
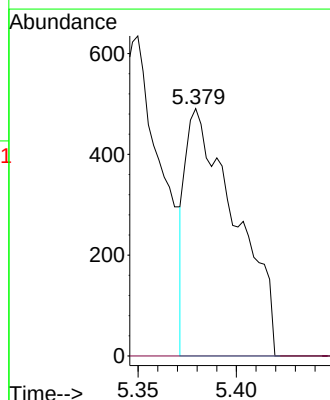
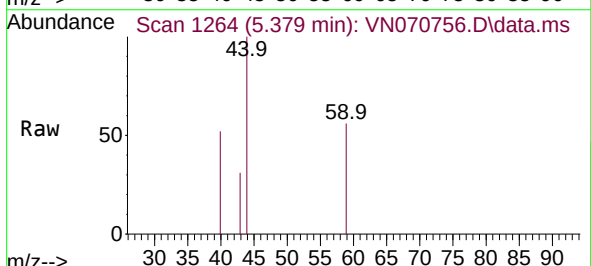
Acq: 24 Jan 2022 15:29

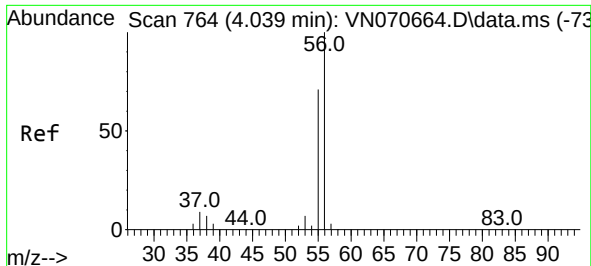
Tgt Ion: 59 Resp: 867

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.244 ug/l

RT: 4.041 min Scan# 765

Delta R.T. 0.002 min

Lab File: VN070756.D

Acq: 24 Jan 2022 15:29

Instrument :

MSVOA_N

ClientSampleId :

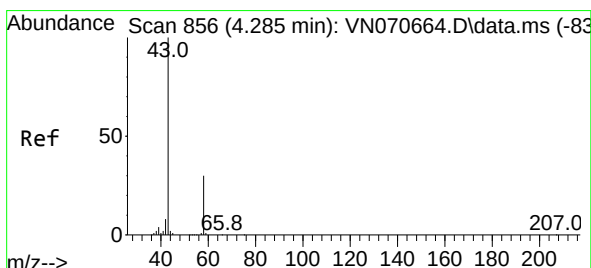
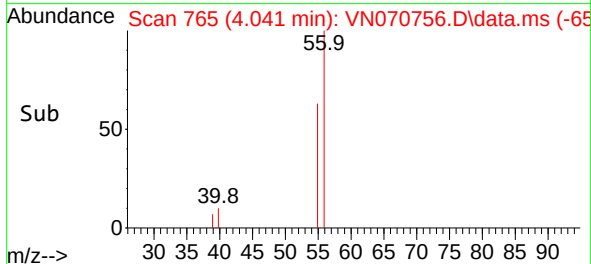
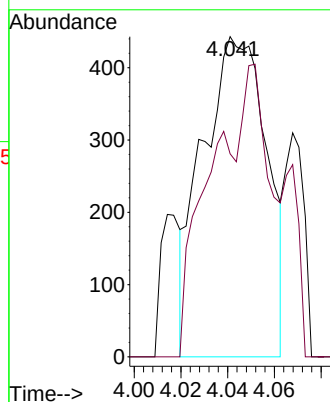
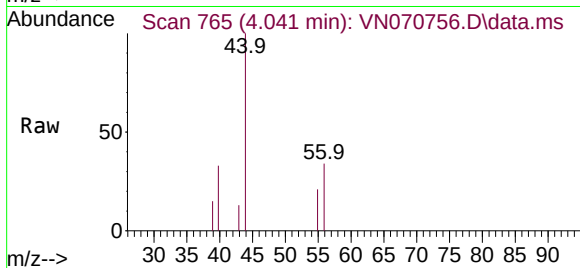
PB142209ZHE#04

Tgt Ion: 56 Resp: 845

Ion Ratio Lower Upper

56 100

55 42.1 56.6 85.0#



#16

Acetone

Concen: 9.565 ug/l

RT: 4.288 min Scan# 857

Delta R.T. 0.003 min

Lab File: VN070756.D

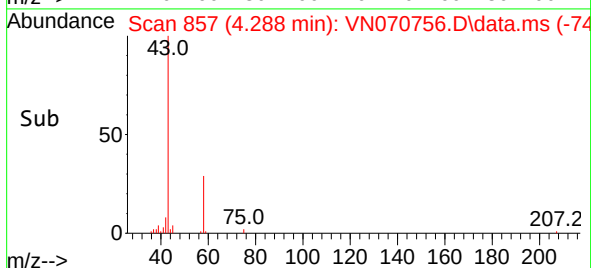
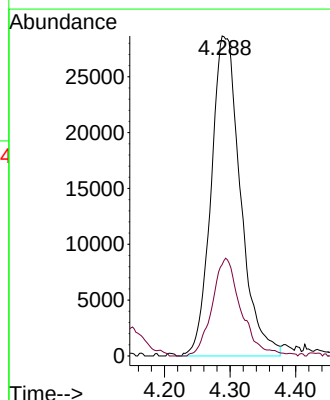
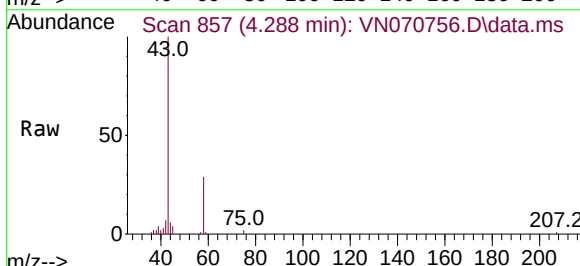
Acq: 24 Jan 2022 15:29

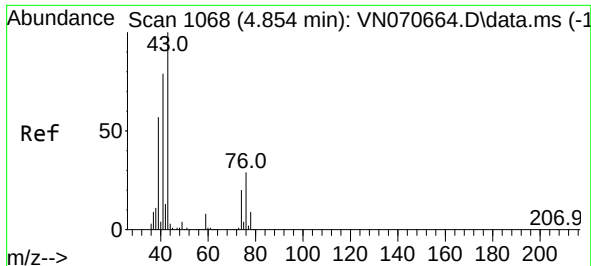
Tgt Ion: 43 Resp: 89038

Ion Ratio Lower Upper

43 100

58 28.5 23.1 34.7

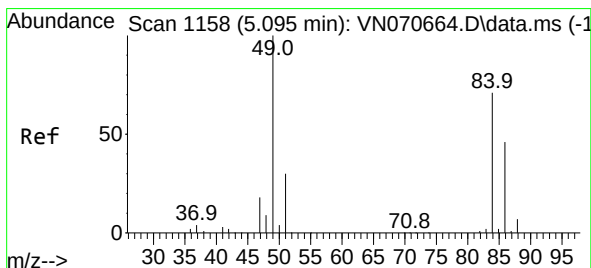
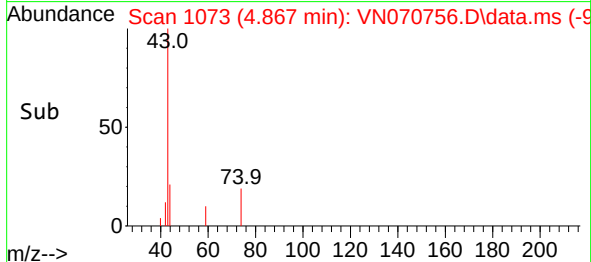
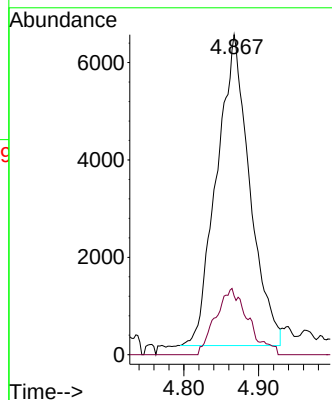
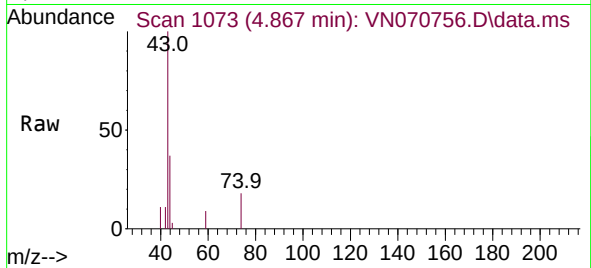




#18
Methyl Acetate
Concen: 1.070 ug/l
RT: 4.867 min Scan# 1068
Delta R.T. 0.013 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

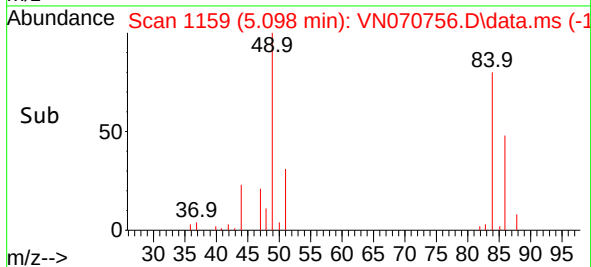
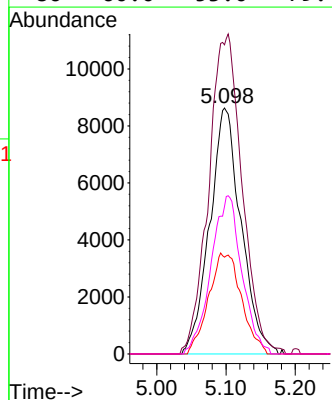
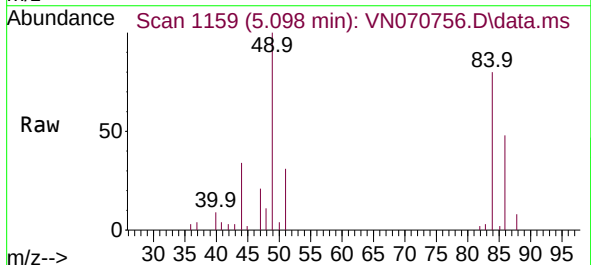
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

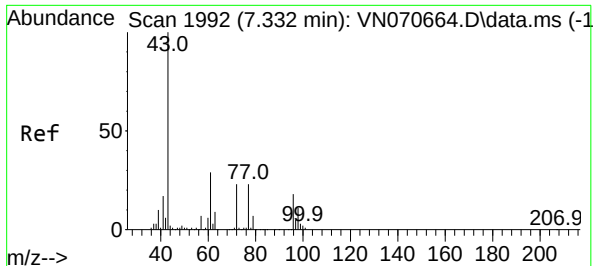
Tgt Ion: 43 Resp: 19583
Ion Ratio Lower Upper
43 100
74 21.1 19.4 29.2



#20
Methylene Chloride
Concen: 2.214 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 84 Resp: 27151
Ion Ratio Lower Upper
84 100
49 125.7 93.5 140.3
51 39.3 29.4 44.2
86 60.0 53.0 79.4

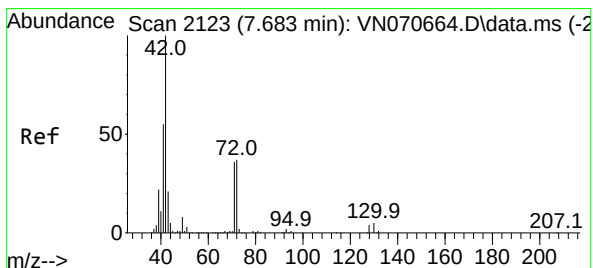
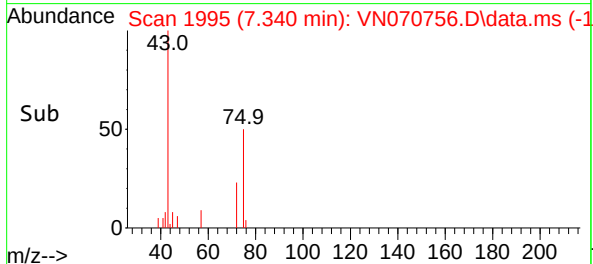
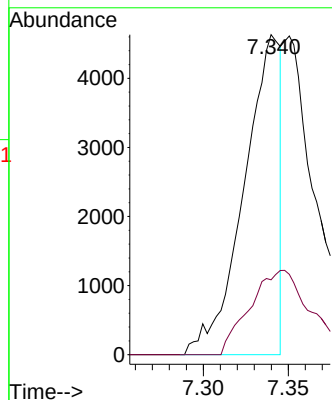
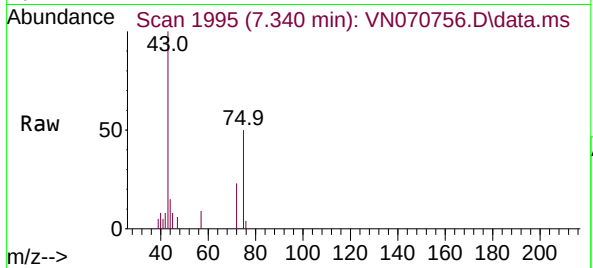




#25
2-Butanone
Concen: 0.589 ug/l
RT: 7.340 min Scan# 1992
Delta R.T. 0.008 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

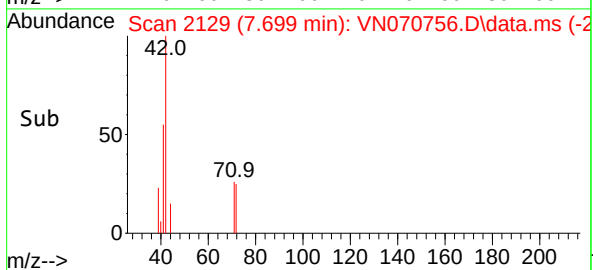
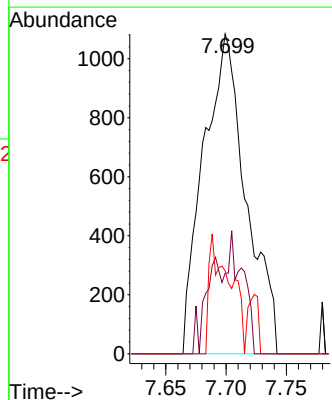
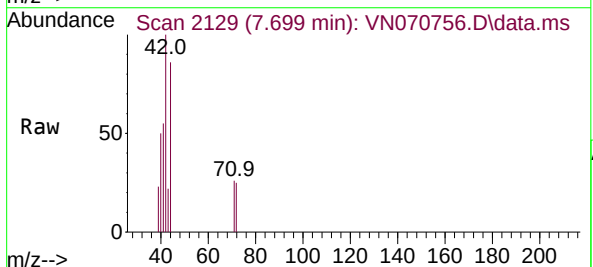
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

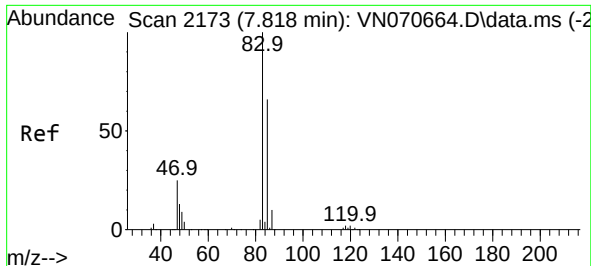
Tgt Ion: 43 Resp: 6901
Ion Ratio Lower Upper
43 100
72 23.4 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.371 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 42 Resp: 2661
Ion Ratio Lower Upper
42 100
72 2.6 36.3 54.5#
71 0.0 34.7 52.1#





#30

Chloroform

Concen: Below Cal

RT: 8.072 min Scan# 21

Delta R.T. 0.254 min

Lab File: VN070756.D

Acq: 24 Jan 2022 15:29

Instrument :

MSVOA_N

ClientSampleId :

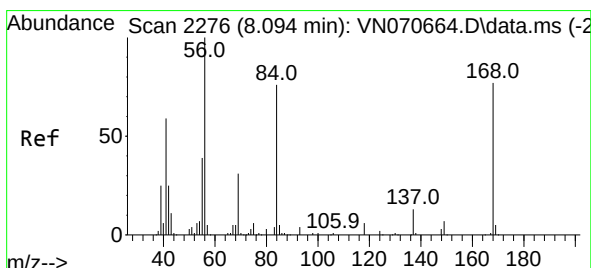
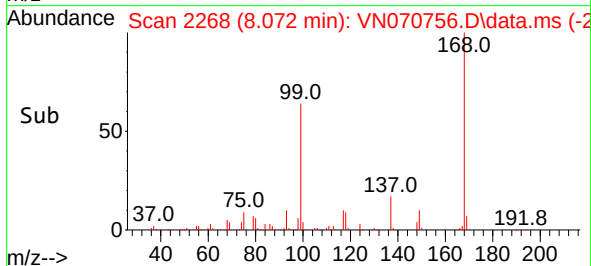
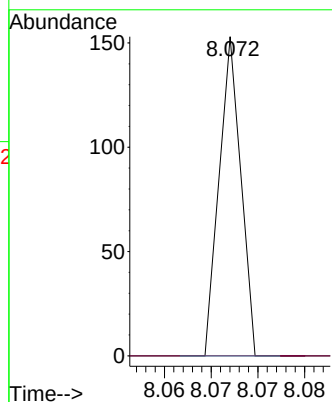
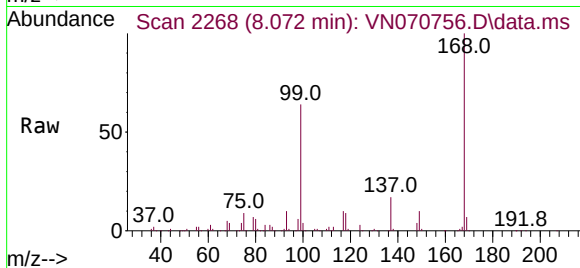
PB142209ZHE#04

Tgt Ion: 83 Resp: 25

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#



#31

Cyclohexane

Concen: 0.915 ug/l

RT: 8.085 min Scan# 2273

Delta R.T. -0.009 min

Lab File: VN070756.D

Acq: 24 Jan 2022 15:29

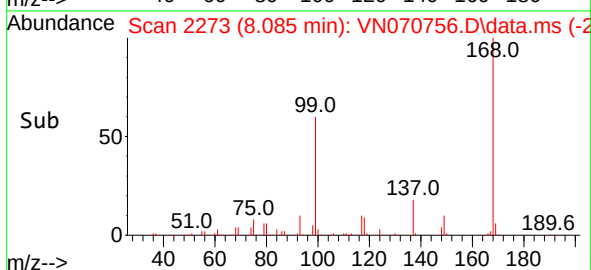
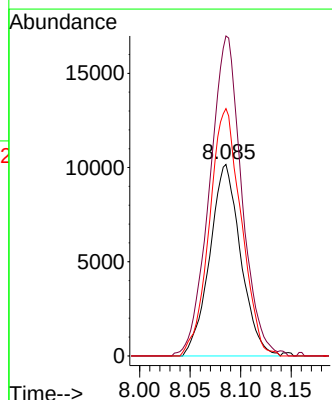
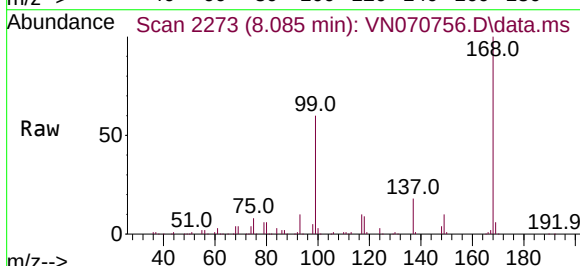
Tgt Ion: 56 Resp: 21609

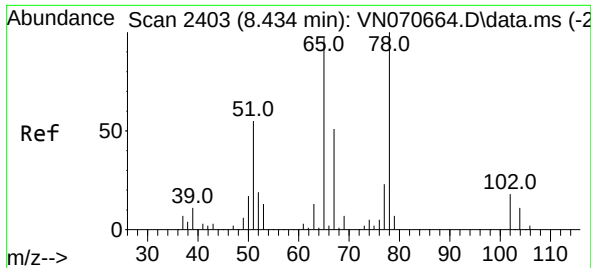
Ion Ratio Lower Upper

56 100

69 164.8 27.1 40.7#

84 129.2 73.4 110.0#

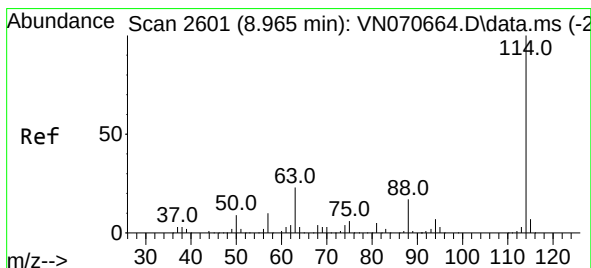
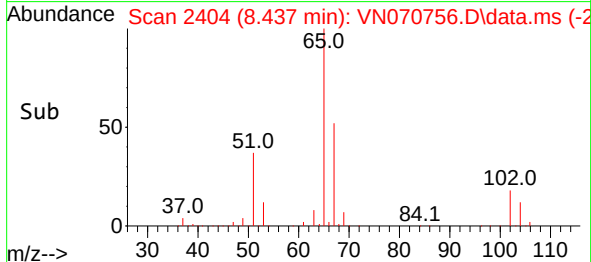
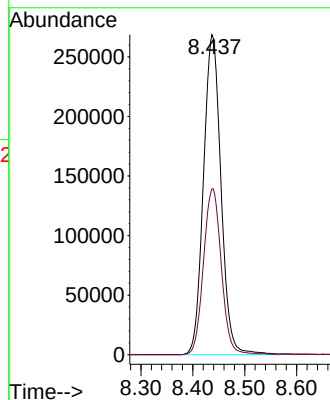
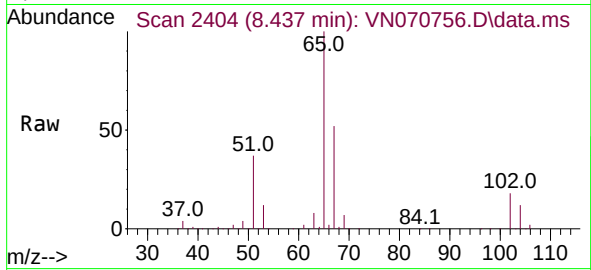




#33
 1,2-Dichloroethane-d4
 Concen: 47.032 ug/l
 RT: 8.437 min Scan# 2403
 Delta R.T. 0.003 min
 Lab File: VN070756.D
 Acq: 24 Jan 2022 15:29

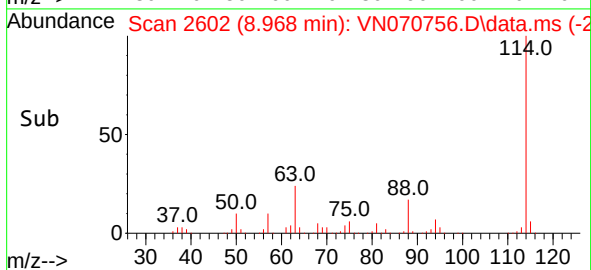
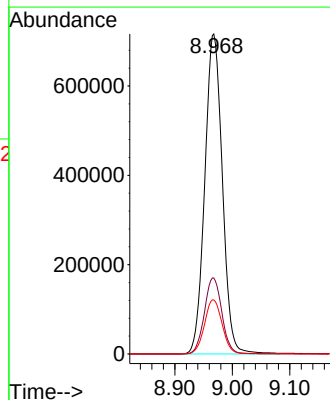
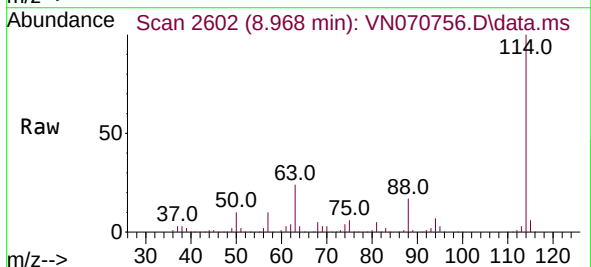
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#04

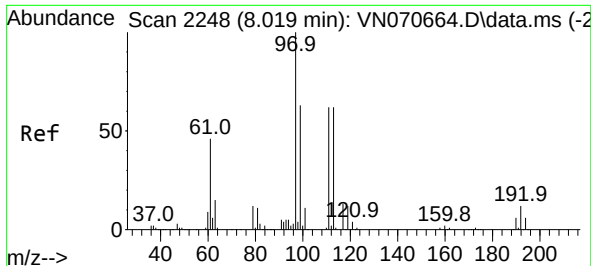
Tgt Ion: 65 Resp: 630773
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070756.D
 Acq: 24 Jan 2022 15:29

Tgt Ion: 114 Resp: 1520906
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 37.8
 88 16.9 0.0 27.4

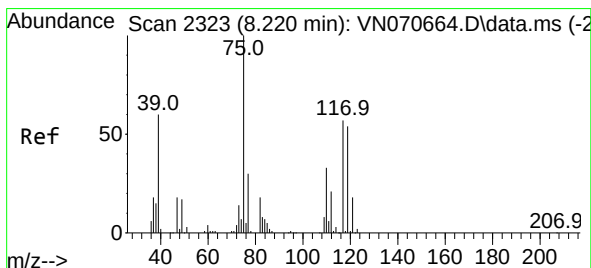
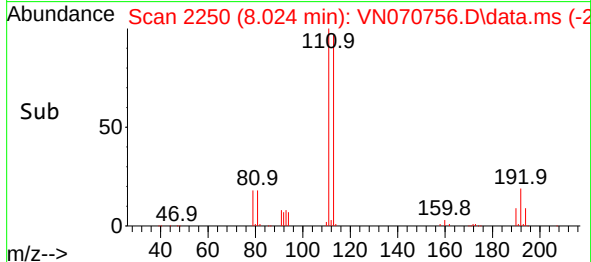
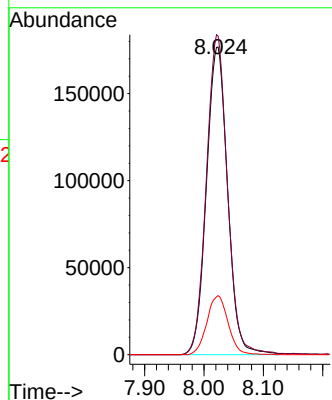
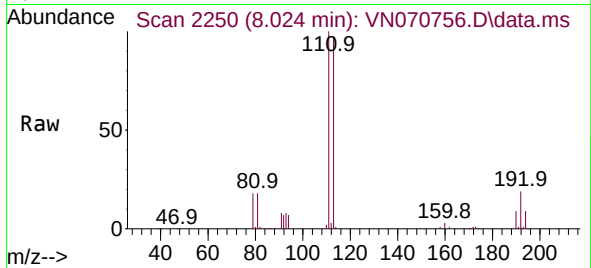




#35
 Dibromofluoromethane
 Concen: 46.471 ug/l
 RT: 8.024 min Scan# 211
 Delta R.T. 0.005 min
 Lab File: VN070756.D
 Acq: 24 Jan 2022 15:29

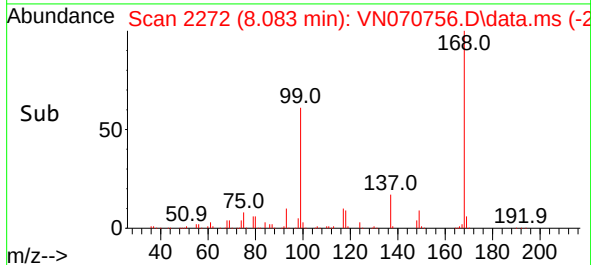
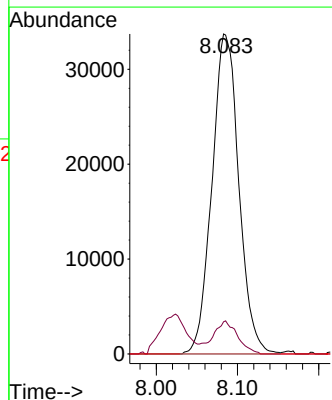
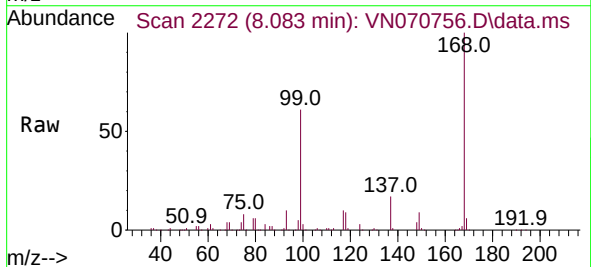
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#04

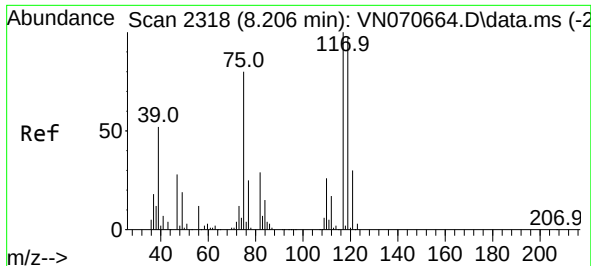
Tgt Ion:113 Resp: 438421
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.2 123.2
 192 19.2 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.137 min
 Lab File: VN070756.D
 Acq: 24 Jan 2022 15:29

Tgt Ion: 75 Resp: 77442
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.0 24.4 36.6#

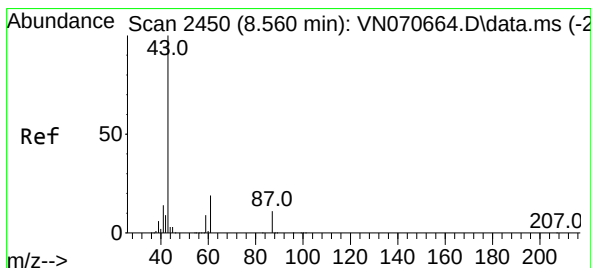
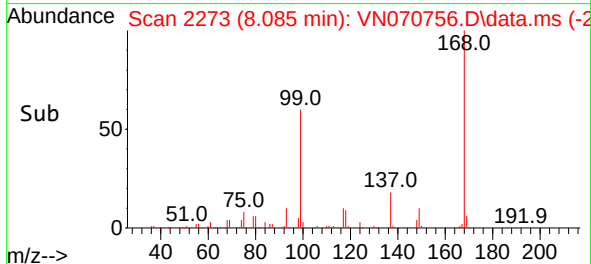
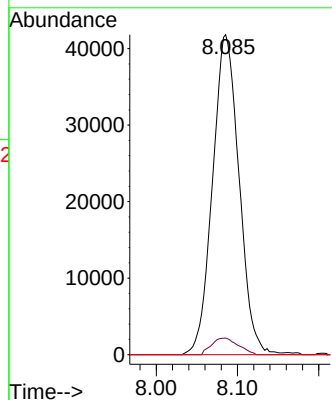
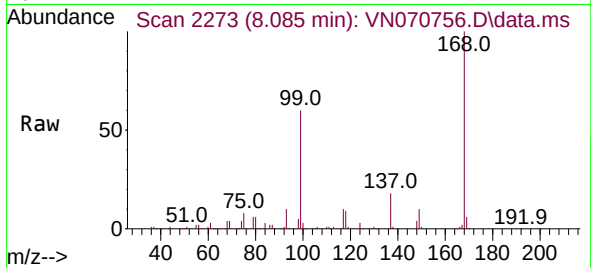




#38
Carbon Tetrachloride
Concen: 6.702 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

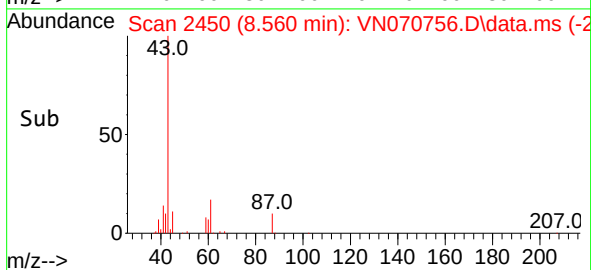
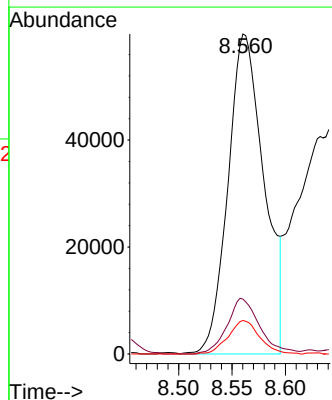
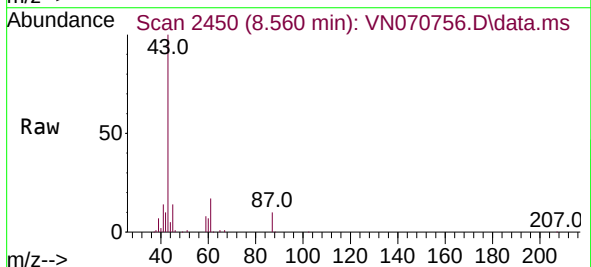
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

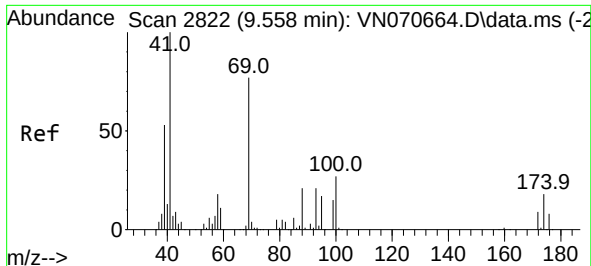
Tgt Ion:117 Resp: 94692
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.369 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 43 Resp: 140698
Ion Ratio Lower Upper
43 100
61 15.7 20.4 30.6#
87 9.1 11.2 16.8#

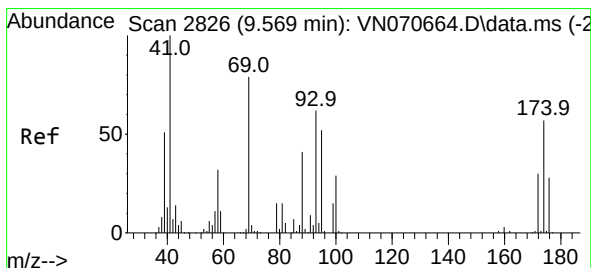
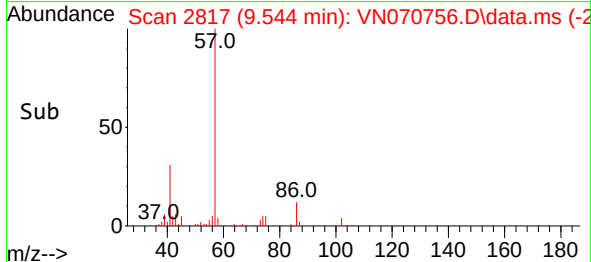
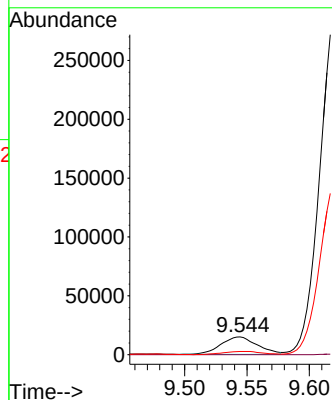
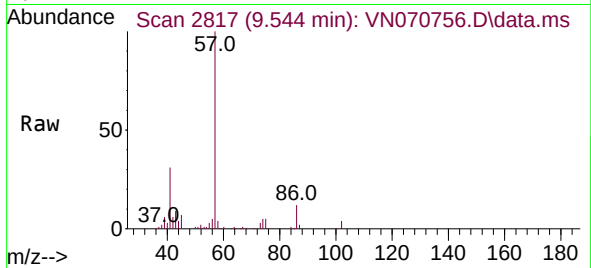




#48
Methyl methacrylate
Concen: 1.953 ug/l
RT: 9.544 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

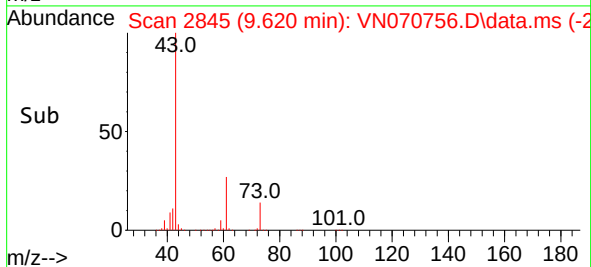
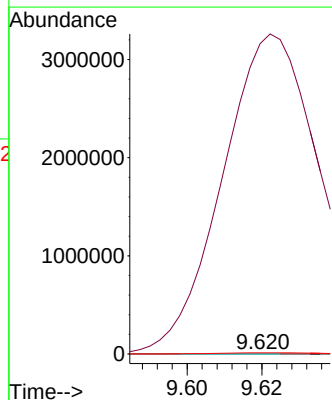
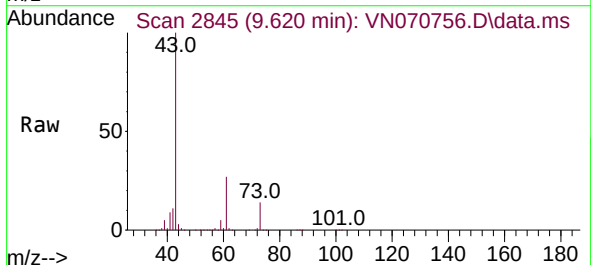
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

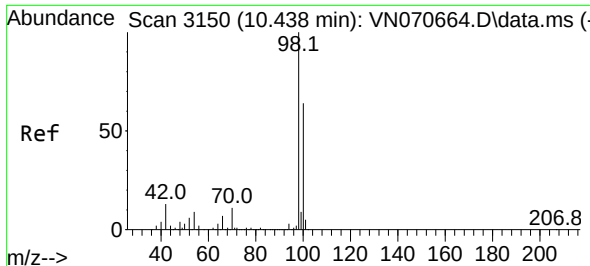
Tgt Ion: 41 Resp: 29962
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.326 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 88 Resp: 536
Ion Ratio Lower Upper
88 100
43 1157214.2 23.4 35.2#
58 4365.9 50.6 75.8#

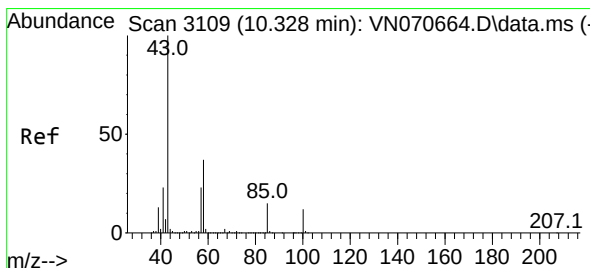
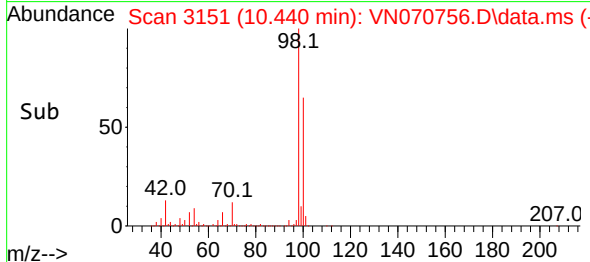
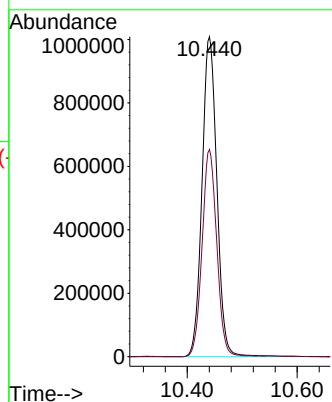
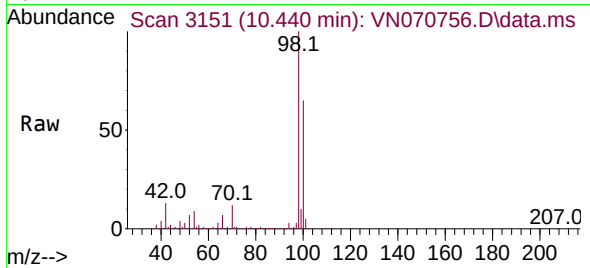




#50
Toluene-d8
Concen: 47.511 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

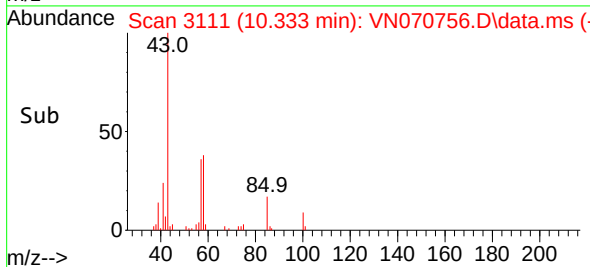
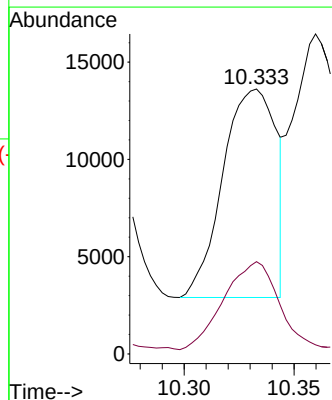
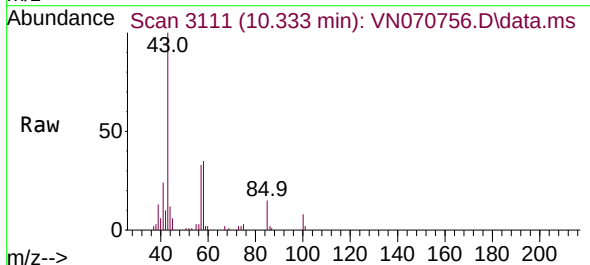
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

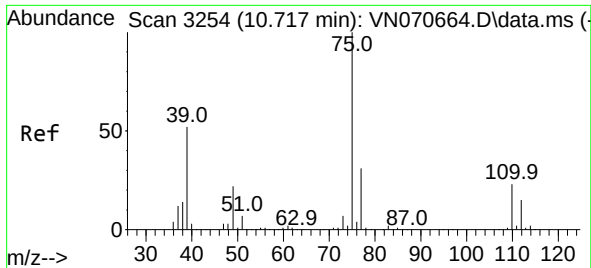
Tgt Ion: 98 Resp: 1888254
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.878 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 43 Resp: 18035
Ion Ratio Lower Upper
43 100
58 43.8 30.4 45.6

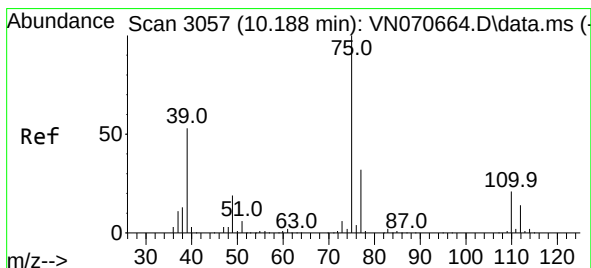
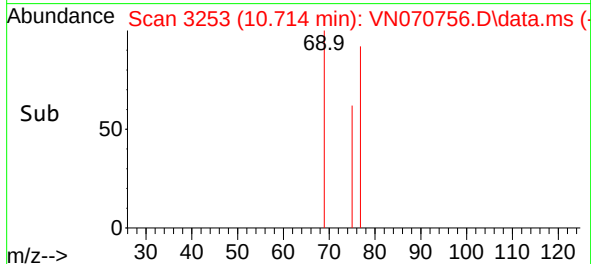
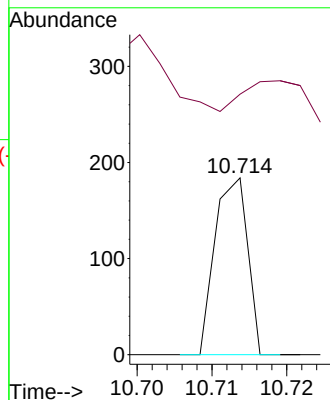
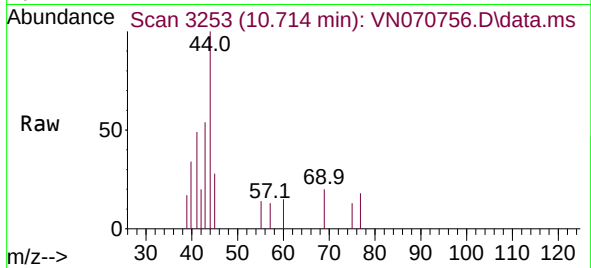




#53
 t-1,3-Dichloropropene
 Concen: 2.407 ug/l
 RT: 10.714 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VN070756.D
 Acq: 24 Jan 2022 15:29

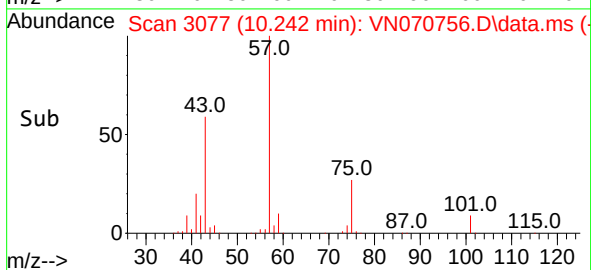
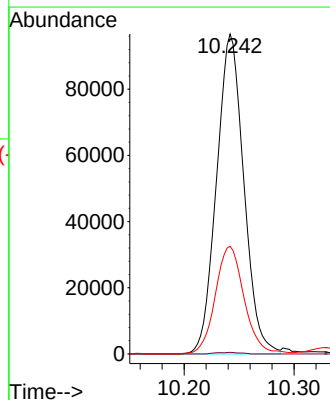
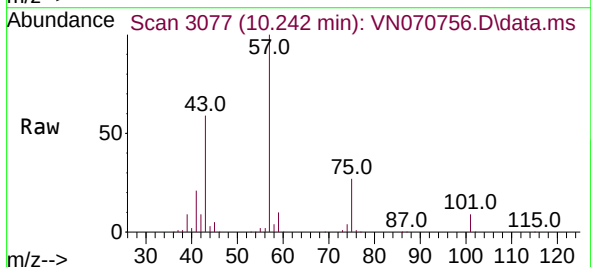
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#04

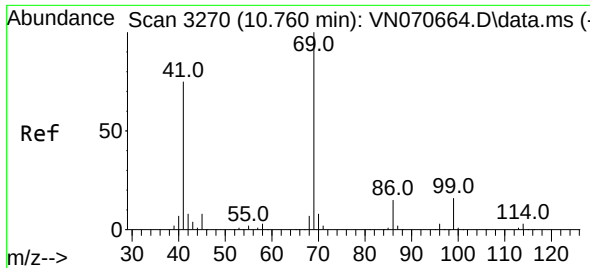
Tgt Ion: 75 Resp: 56
 Ion Ratio Lower Upper
 75 100
 77 1.6 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 8.710 ug/l
 RT: 10.242 min Scan# 3077
 Delta R.T. 0.054 min
 Lab File: VN070756.D
 Acq: 24 Jan 2022 15:29

Tgt Ion: 75 Resp: 166228
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 33.6 42.5 63.7#

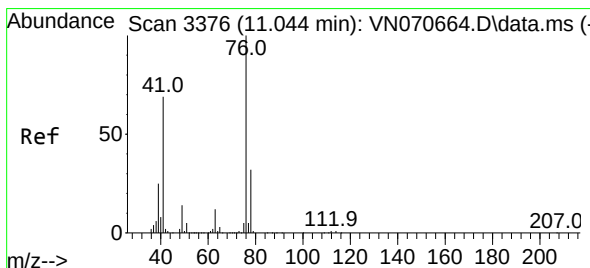
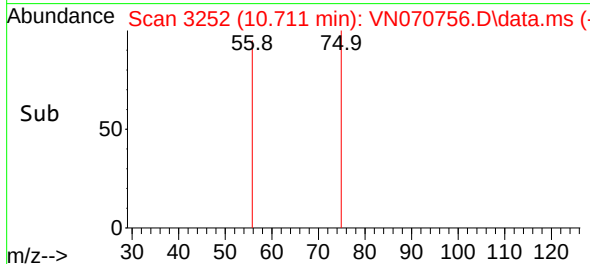
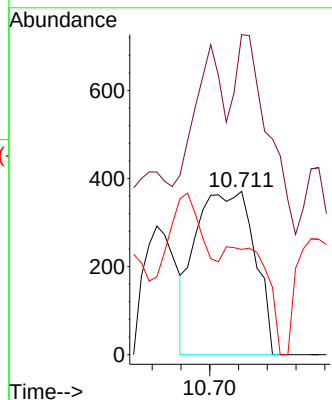
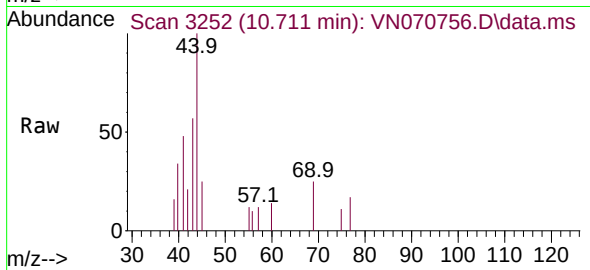




#56
Ethyl methacrylate
Concen: 2.325 ug/l
RT: 10.711 min Scan# 31
Delta R.T. -0.049 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

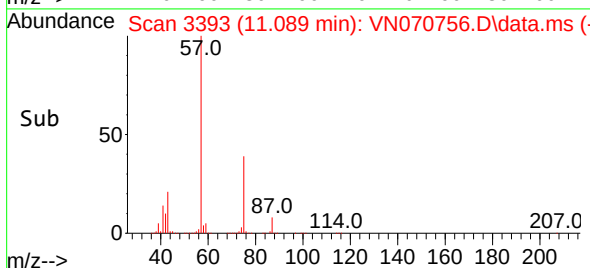
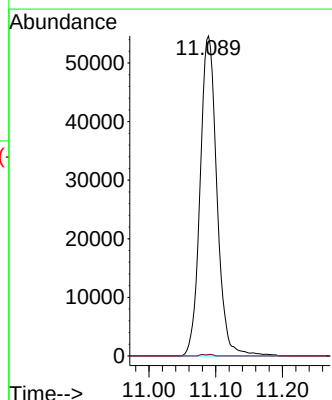
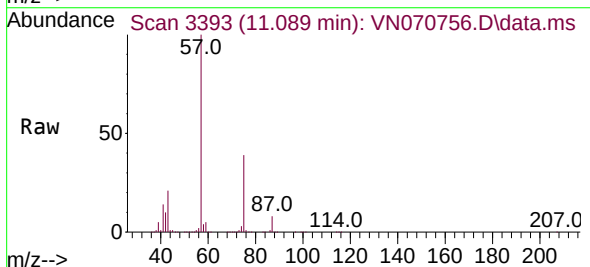
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

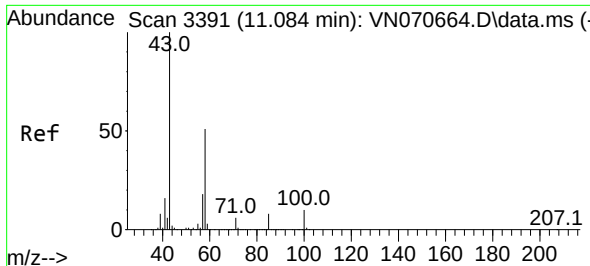
Tgt Ion: 69 Resp: 525
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.676 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.045 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 76 Resp: 95721
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

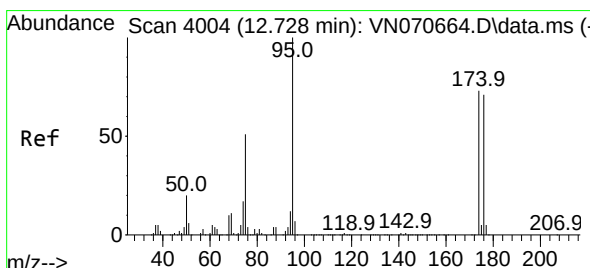
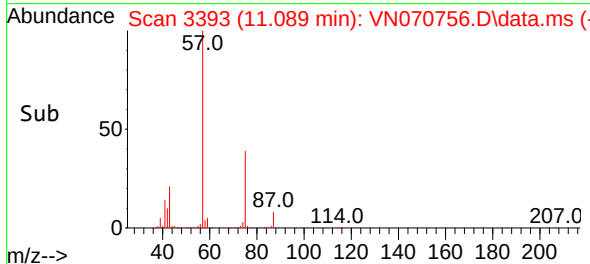
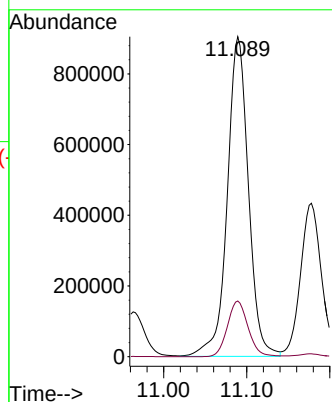
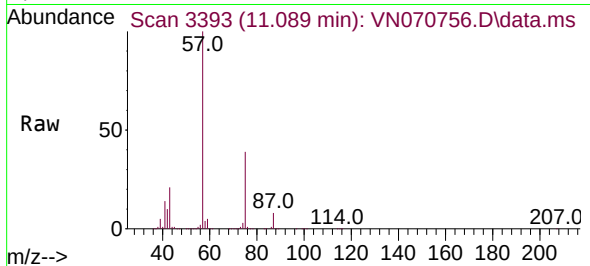




#59
2-Hexanone
Concen: 107.090 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

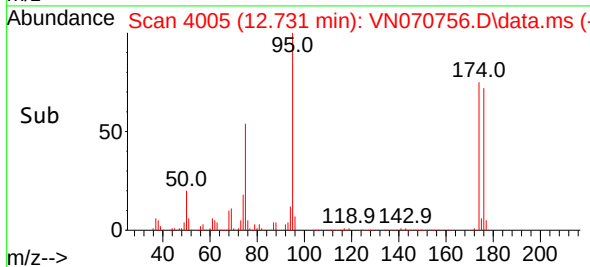
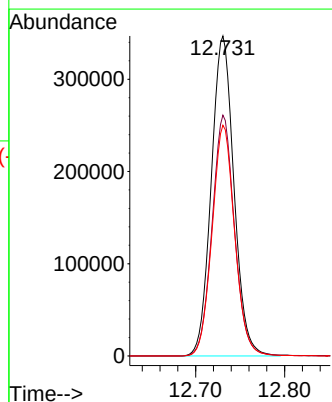
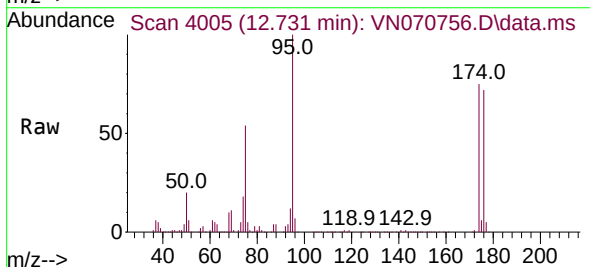
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

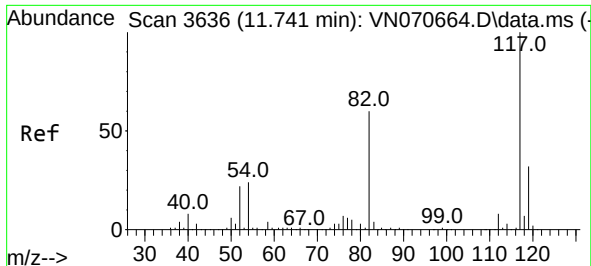
Tgt Ion: 43 Resp: 1598752
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 43.333 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 95 Resp: 613702
Ion Ratio Lower Upper
95 100
174 74.5 0.0 187.2
176 71.8 0.0 181.4

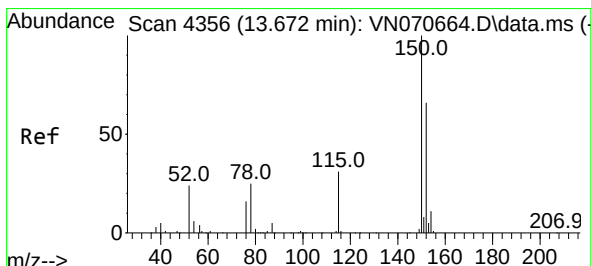
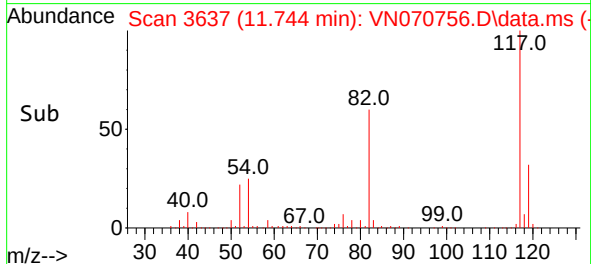
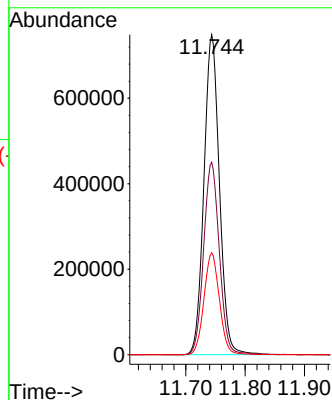
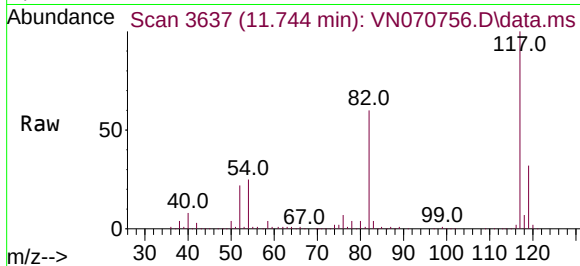




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

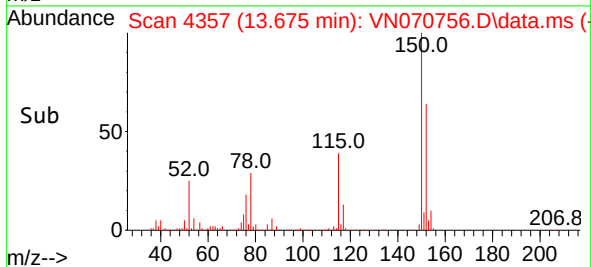
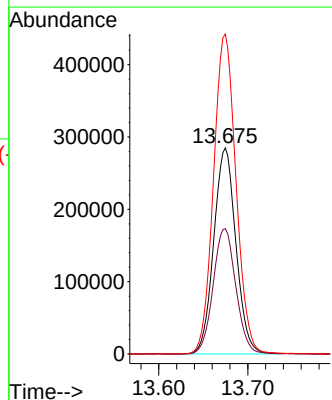
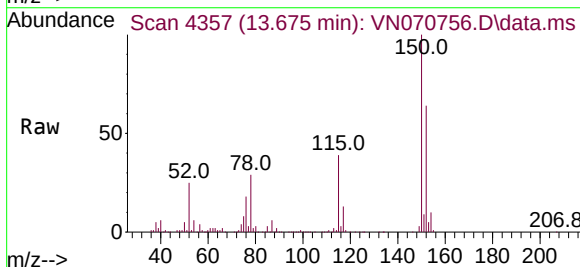
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

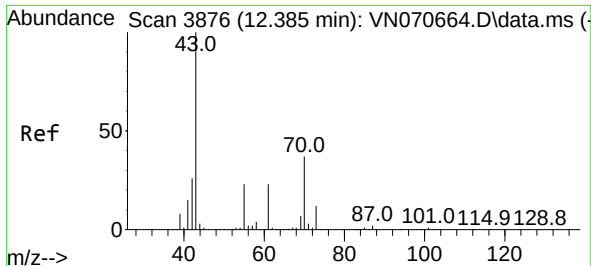
Tgt Ion:117 Resp: 1357316
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion:152 Resp: 493441
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 157.1 0.0 344.4

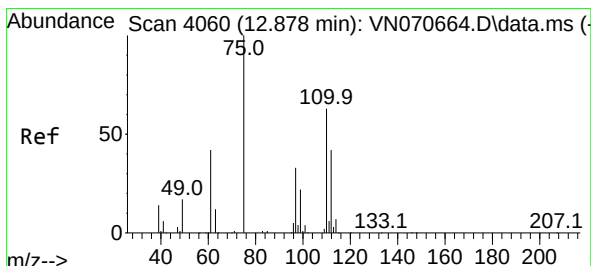
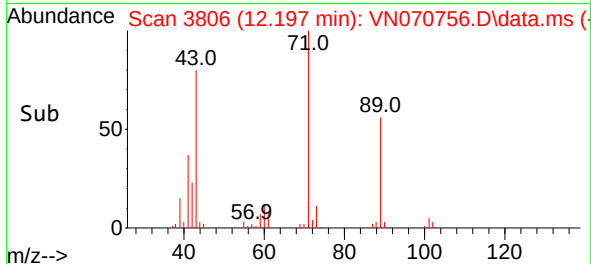
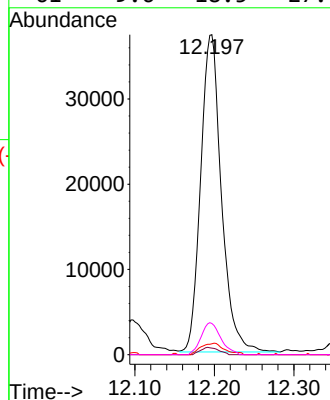
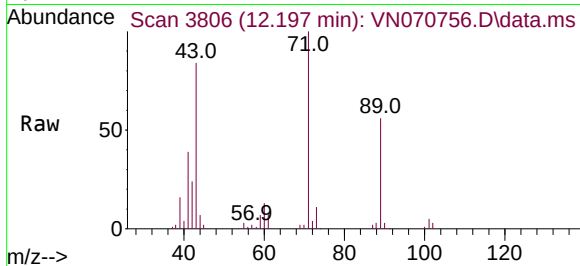




#74
N-amy1 acetate
Concen: 3.534 ug/l
RT: 12.197 min Scan# 3876
Delta R.T. -0.188 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

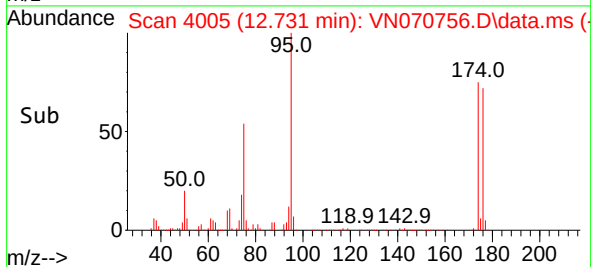
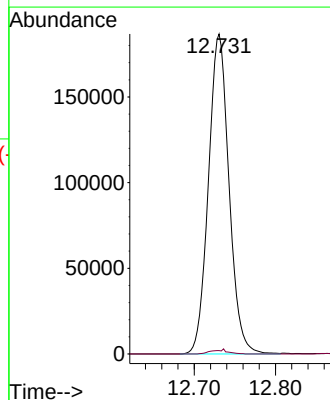
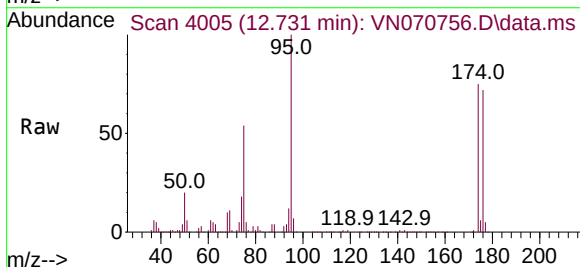
Instrument : MSVOA_N
ClientSampleId : PB142209ZHE#04

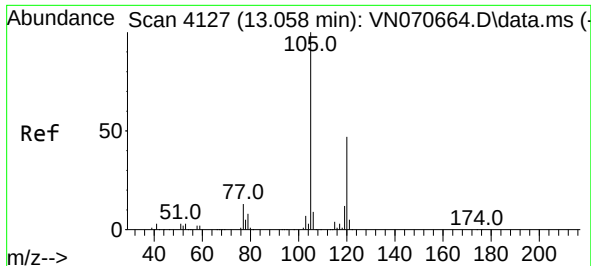
Tgt Ion: 43	Resp: 67454
Ion Ratio	Lower Upper
43 100	
70 2.0	33.4 50.0#
55 4.1	19.3 28.9#
61 9.6	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 25.104 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 75	Resp: 328548
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

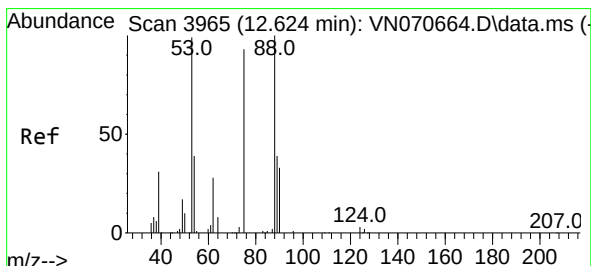
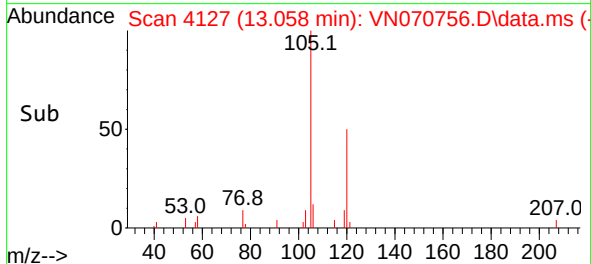
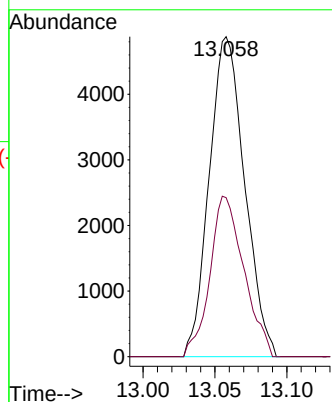
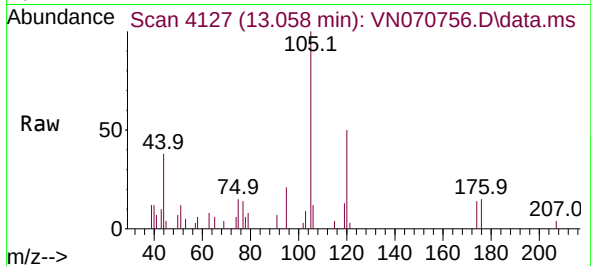




#80
1,3,5-Trimethylbenzene
Concen: 0.222 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

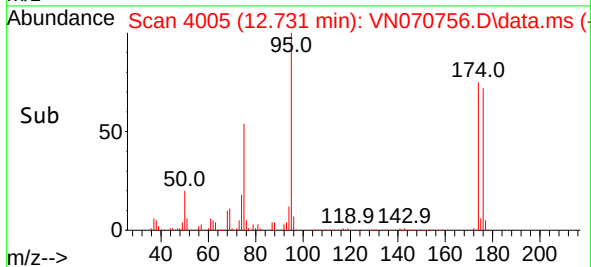
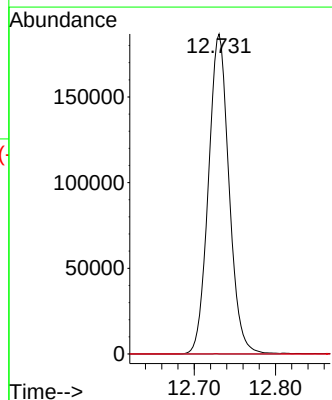
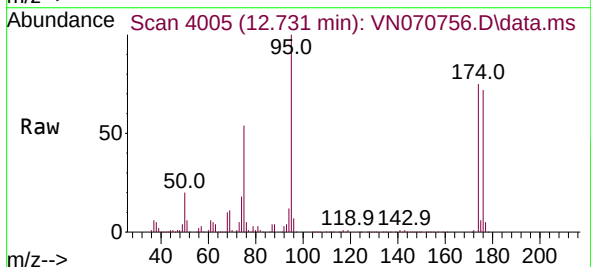
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

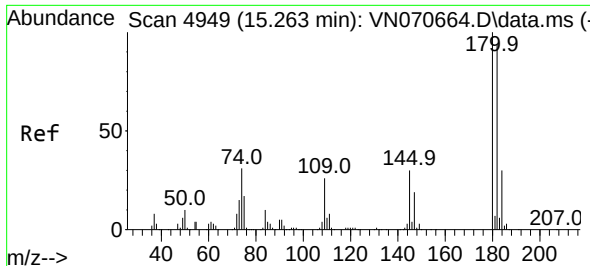
Tgt Ion:105 Resp: 8362
Ion Ratio Lower Upper
105 100
120 48.0 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 74.790 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

Tgt Ion: 75 Resp: 328548
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

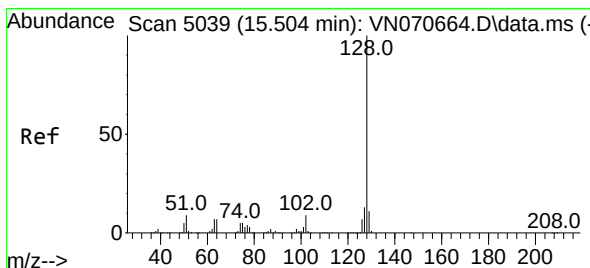
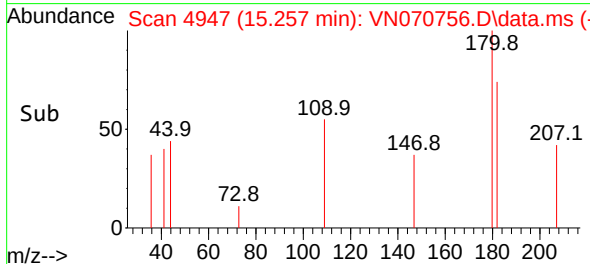
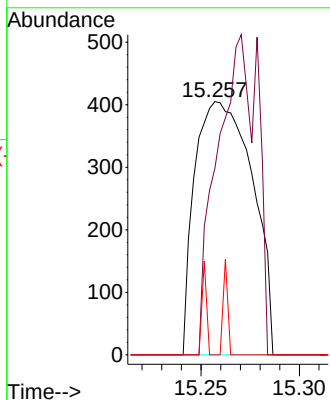
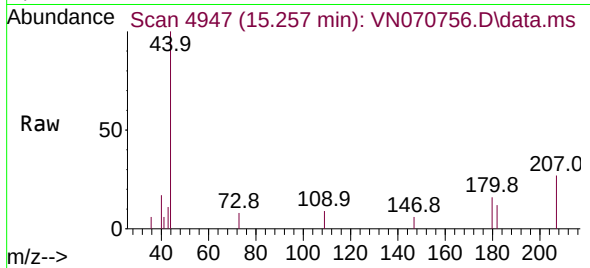




#93
1,2,4-Trichlorobenzene
Concen: 3.509 ug/l
RT: 15.257 min Scan# 4949
Delta R.T. -0.006 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

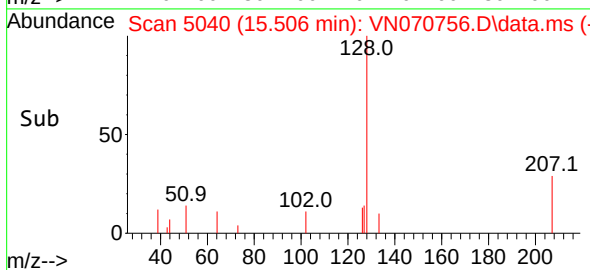
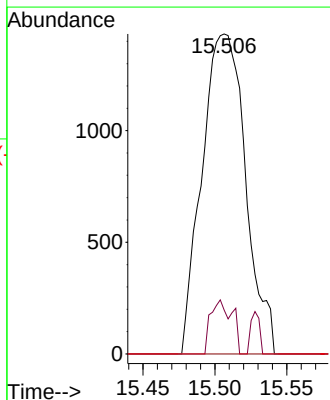
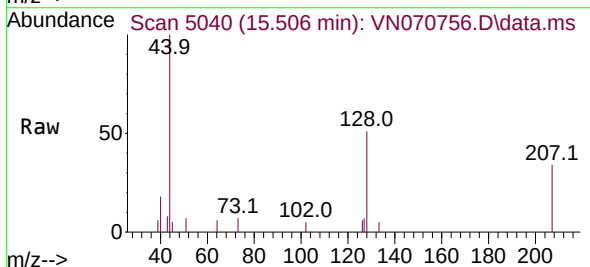
Instrument :
MSVOA_N
ClientSampleId :
PB142209ZHE#04

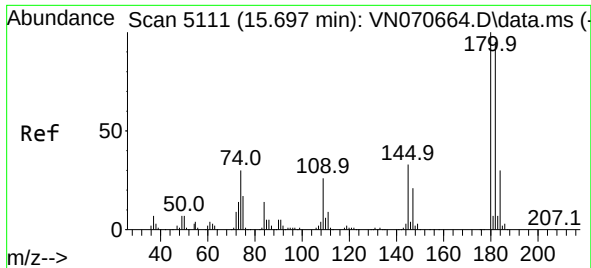
Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.7	48.3	144.9
145	3.0	14.5	43.5#



#95
Naphthalene
Concen: 5.055 ug/l
RT: 15.506 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN070756.D
Acq: 24 Jan 2022 15:29

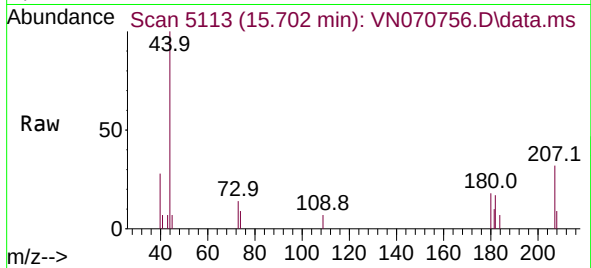
Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.5	15.7#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.289 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN070756.D
 Acq: 24 Jan 2022 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142209ZHE#04



Tgt Ion:180 Resp: 679
 Ion Ratio Lower Upper
 180 100
 182 64.2 47.4 142.2
 145 7.7 15.0 45.1#

