

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062822\
 Data File : VY009363.D
 Acq On : 28 Jun 2022 12:57
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 29 10:22:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 15:20:00 2022
 Response via : Initial Calibration

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

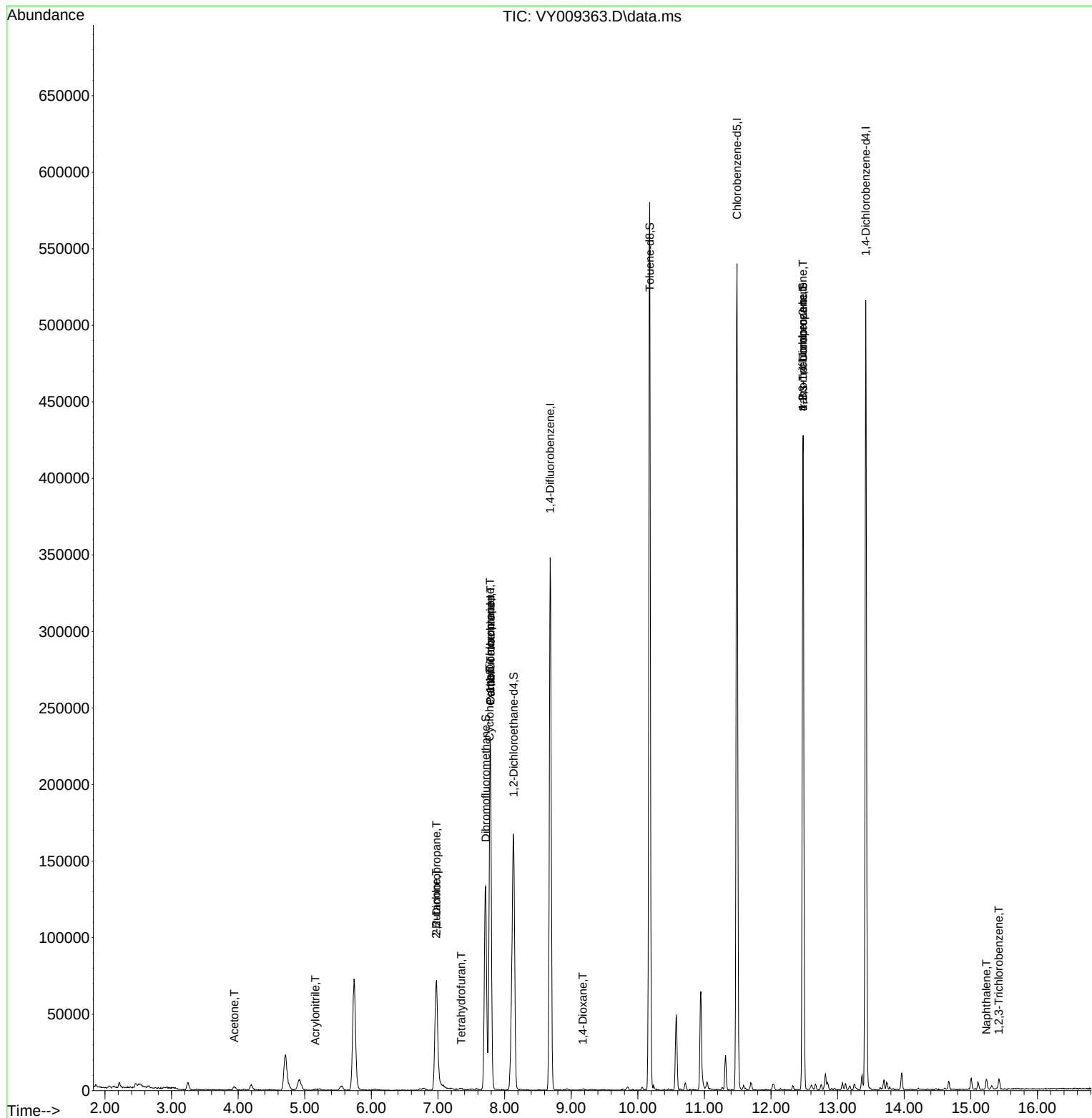
Internal Standards						
1) Pentafluorobenzene	7.789	168	181526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	302492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	290181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104697	72.009	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.020%	
35) Dibromofluoromethane	7.716	113	95125	57.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.280%	
50) Toluene-d8	10.179	98	375071	73.480	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 146.960%#	
62) 4-Bromofluorobenzene	12.477	95	122700	50.684	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	7059	Below Cal	#	77
13) Acrolein	3.704	56	209	Below Cal	#	31
15) Acrylonitrile	5.161	53	861	1.559	ug/l #	62
16) Acetone	3.942	43	3781	7.918	ug/l #	74
18) Methyl Acetate	4.478	43	321	Below Cal	#	74
25) 2-Butanone	6.972	43	4625	6.109	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	5038	1.500	ug/l #	55
29) Tetrahydrofuran	7.350	42	597	1.230	ug/l #	38
31) Cyclohexane	7.777	56	4270	1.306	ug/l #	45
36) 1,1-Dichloropropene	7.783	75	14317	4.918	ug/l #	49
38) Carbon Tetrachloride	7.789	117	17661	5.804	ug/l #	15
49) 1,4-Dioxane	9.173	88	19	1.103	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	62089	41.490	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62089	92.378	ug/l #	7
95) Naphthalene	15.233	128	5762	1.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	2311	1.112	ug/l	98

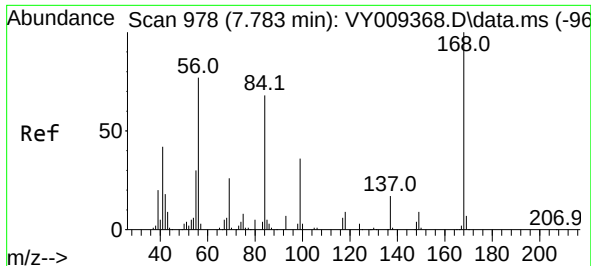
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 29 10:22:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
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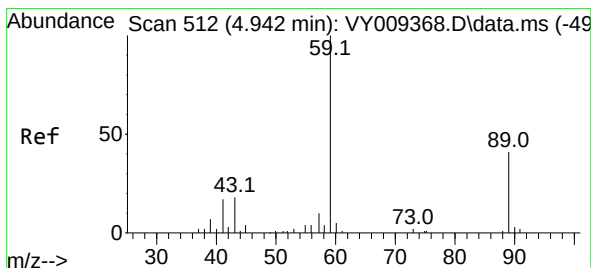
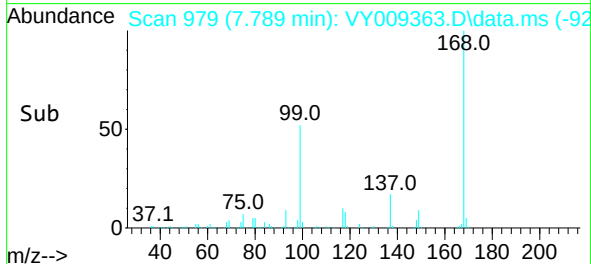
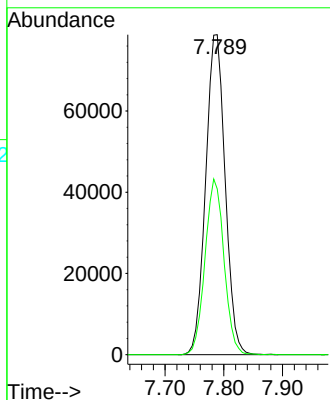
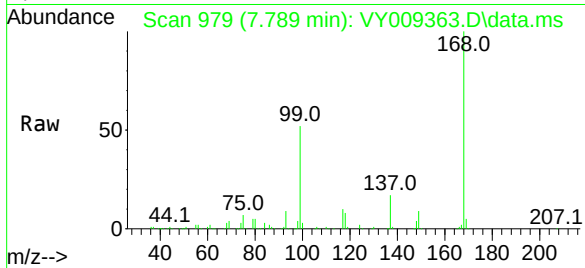




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

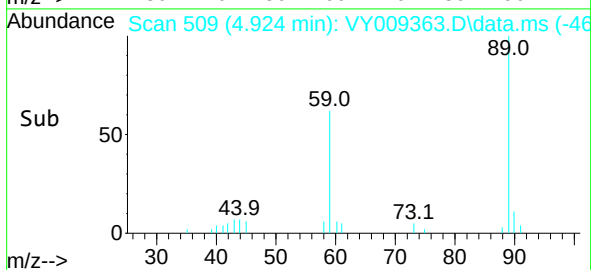
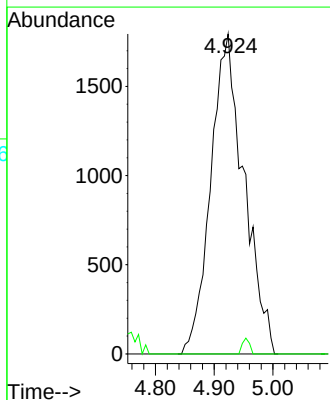
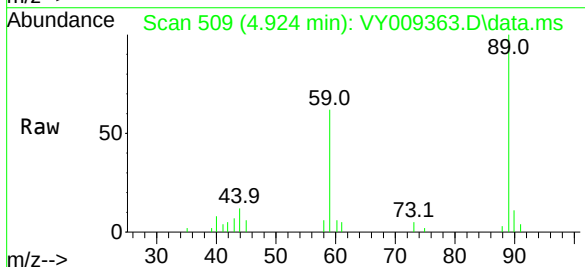
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

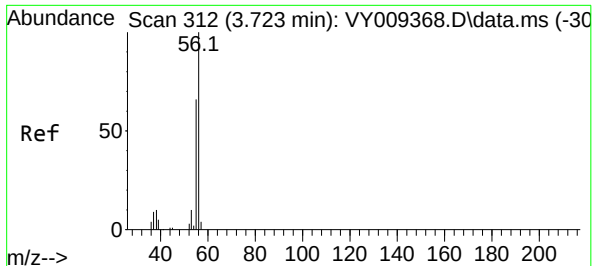
Tgt Ion:168 Resp: 181526
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

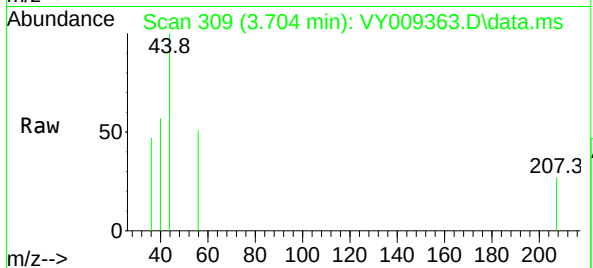
Tgt Ion: 59 Resp: 7059
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



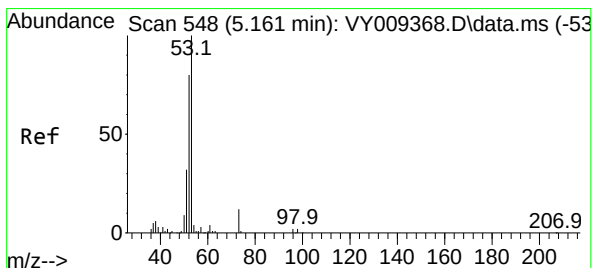
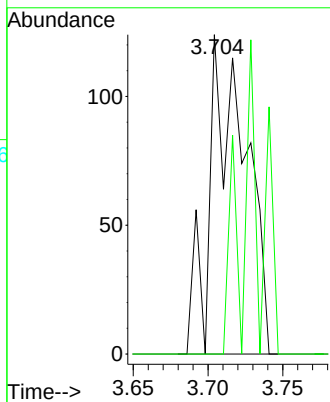
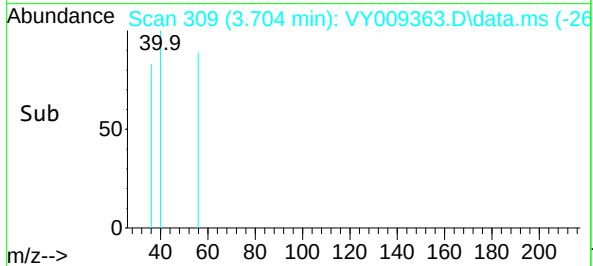


#13
Acrolein
Concen: Below Cal
RT: 3.704 min Scan# 309
Delta R.T. -0.019 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

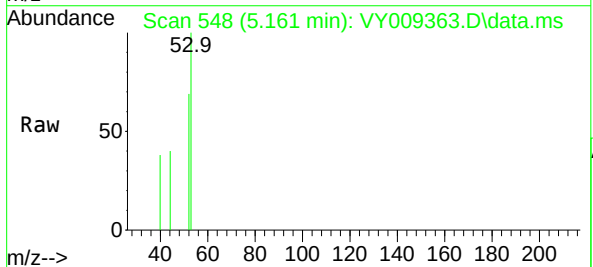
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK



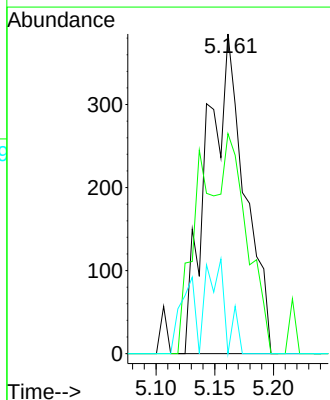
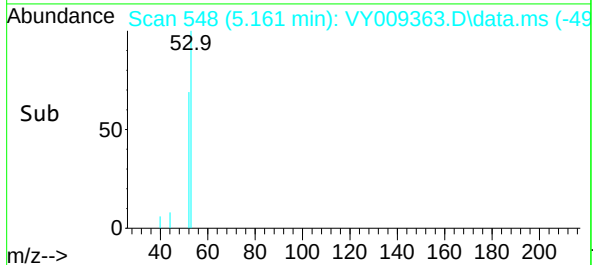
Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 14.8 57.6 86.4#

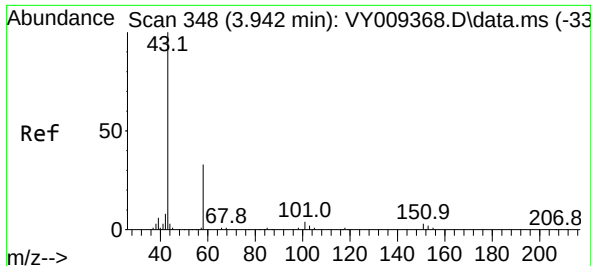


#15
Acrylonitrile
Concen: 1.559 ug/l
RT: 5.161 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57



Tgt Ion: 53 Resp: 861
Ion Ratio Lower Upper
53 100
52 49.0 67.0 100.4#
51 15.0 29.8 44.6#

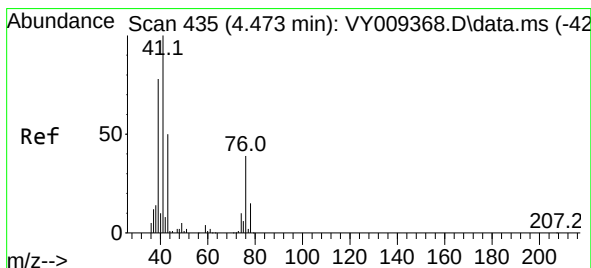
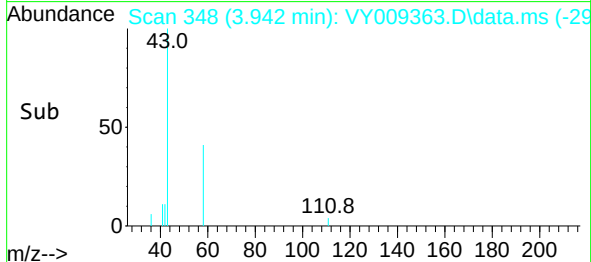
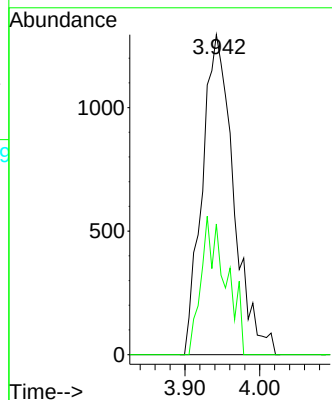
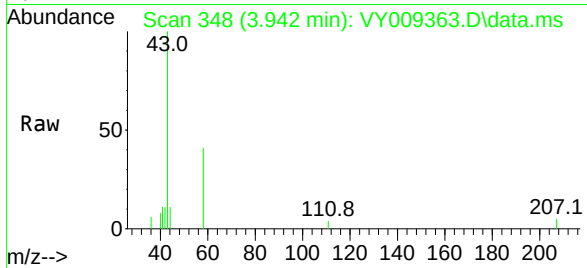




#16
Acetone
Concen: 7.918 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

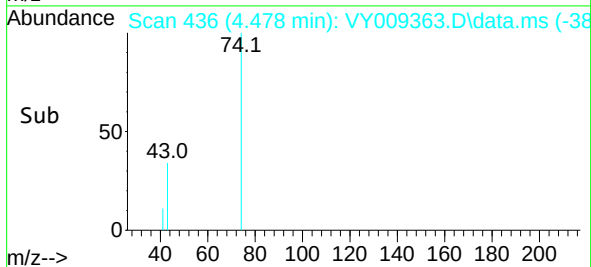
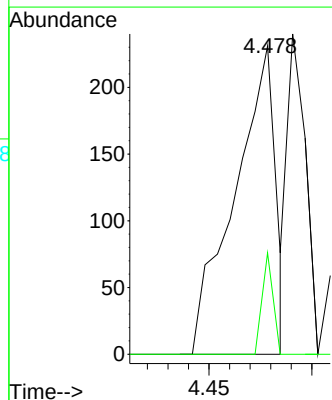
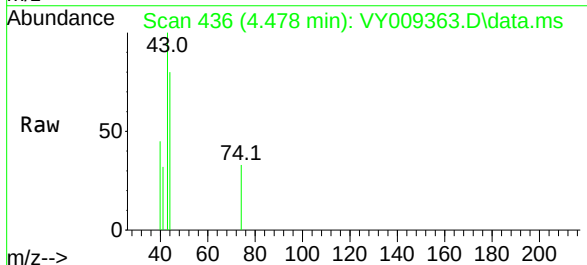
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

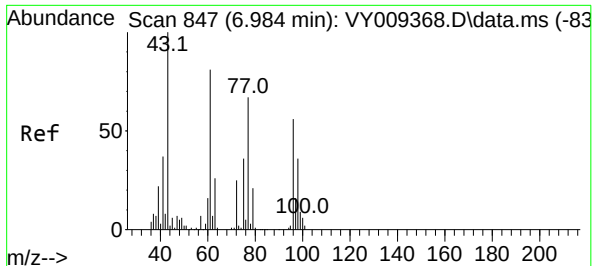
Tgt Ion: 43 Resp: 3781
Ion Ratio Lower Upper
43 100
58 40.8 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 436
Delta R.T. 0.005 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
74 8.7 16.6 24.8#

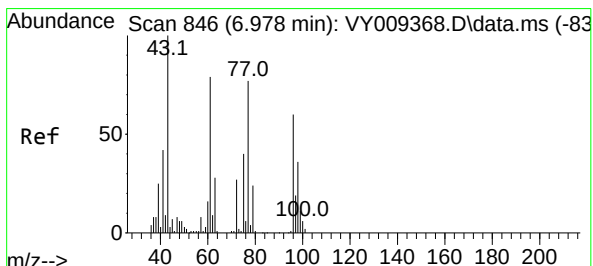
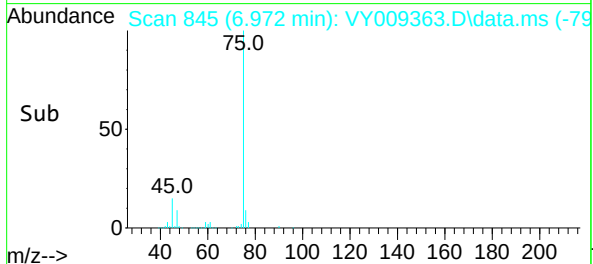
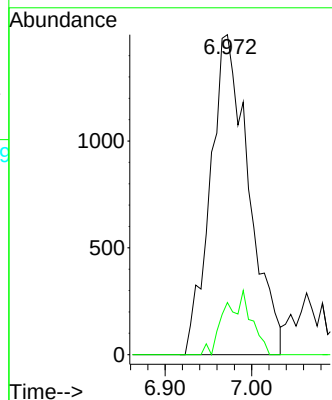
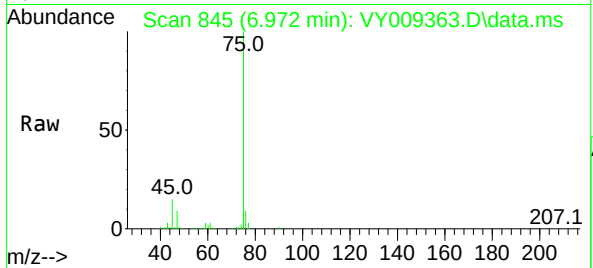




#25
2-Butanone
Concen: 6.109 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

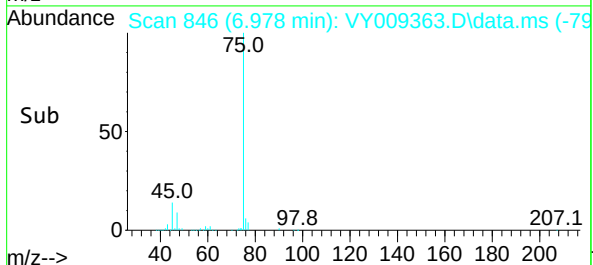
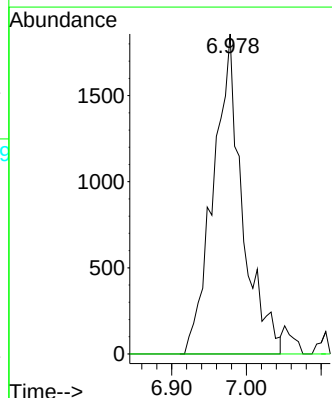
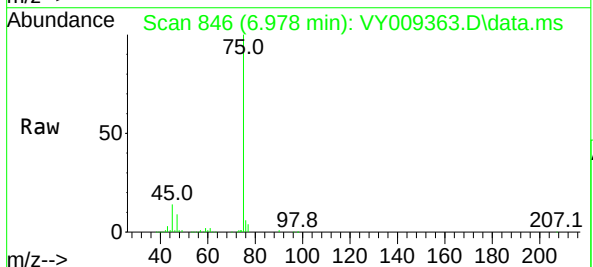
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

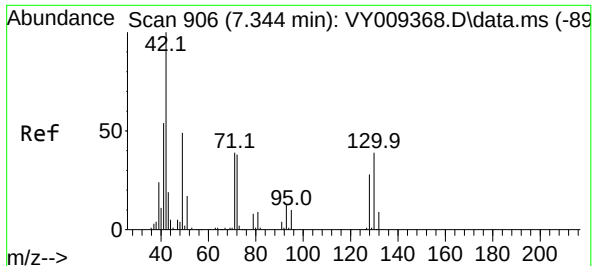
Tgt Ion: 43 Resp: 4625
Ion Ratio Lower Upper
43 100
72 16.3 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.500 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

Tgt Ion: 77 Resp: 5038
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#





#29

Tetrahydrofuran

Concen: 1.230 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY009363.D

Acq: 28 Jun 2022 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

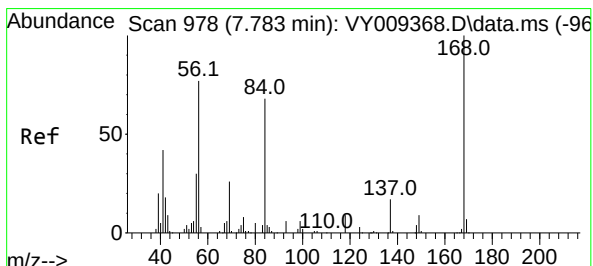
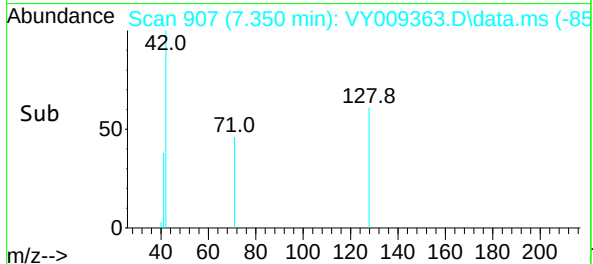
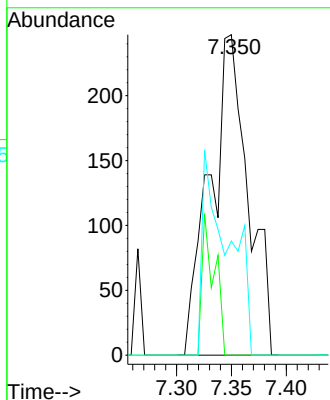
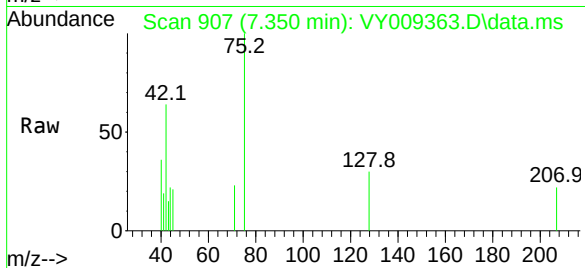
Tgt Ion: 42 Resp: 597

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#



#31

Cyclohexane

Concen: 1.306 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY009363.D

Acq: 28 Jun 2022 12:57

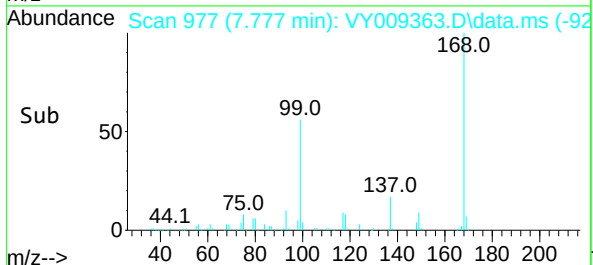
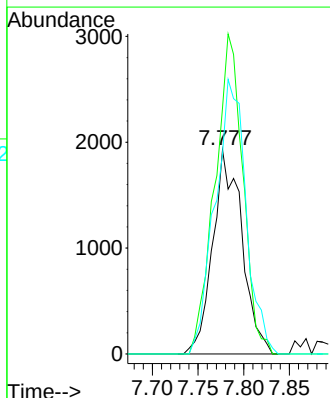
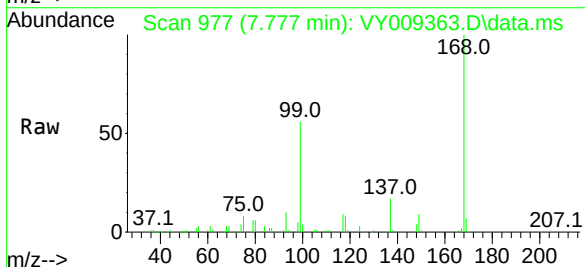
Tgt Ion: 56 Resp: 4270

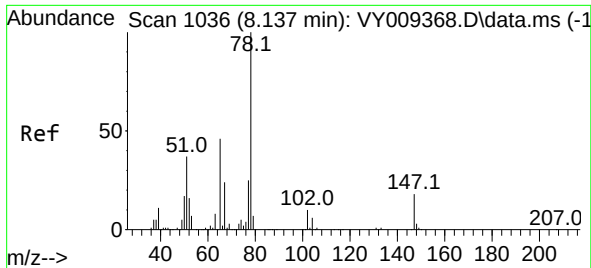
Ion Ratio Lower Upper

56 100

69 120.5 26.7 40.1#

84 98.0 67.2 100.8

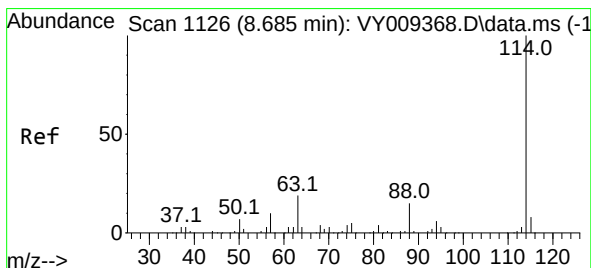
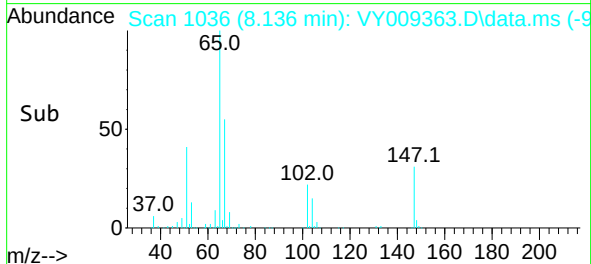
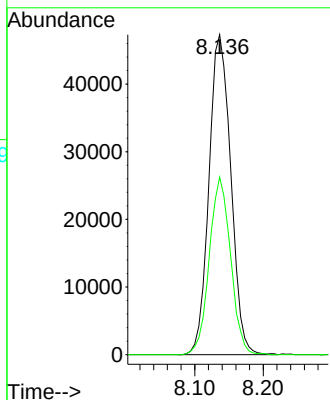
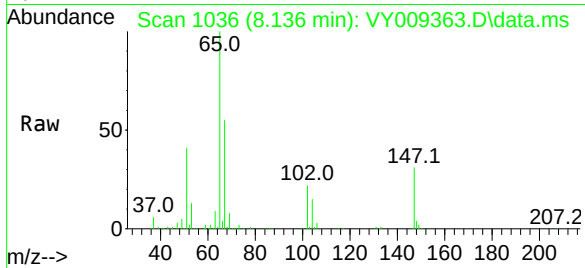




#33
 1,2-Dichloroethane-d4
 Concen: 72.009 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY009363.D
 Acq: 28 Jun 2022 12:57

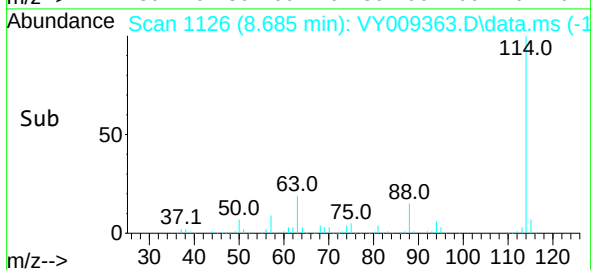
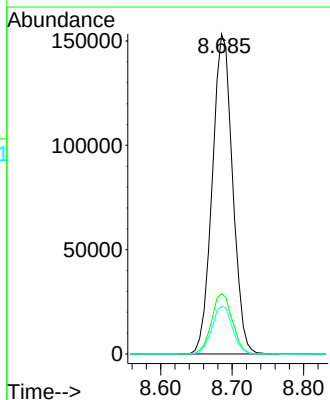
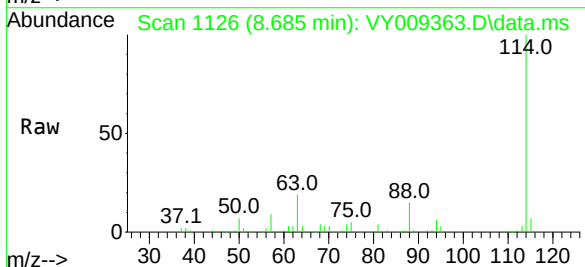
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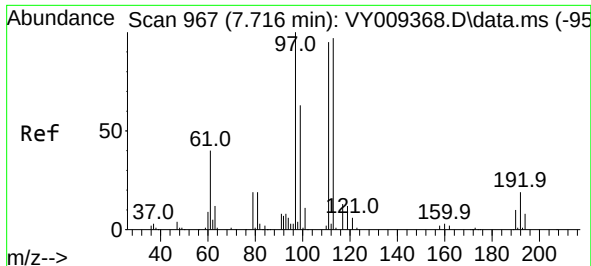
Tgt Ion: 65 Resp: 104697
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY009363.D
 Acq: 28 Jun 2022 12:57

Tgt Ion: 114 Resp: 302492
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.2
 88 14.9 0.0 31.8

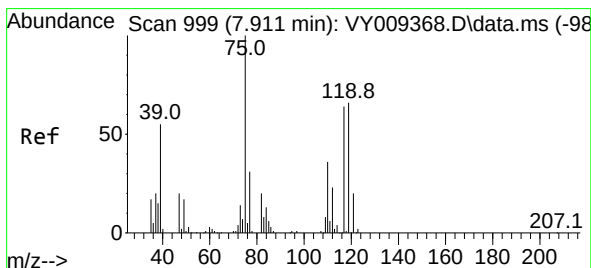
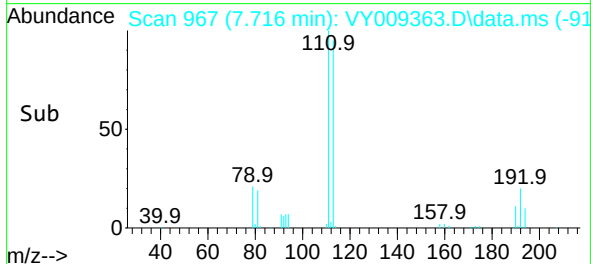
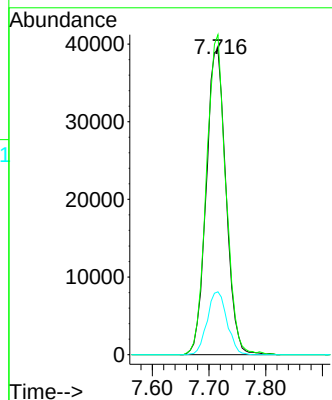
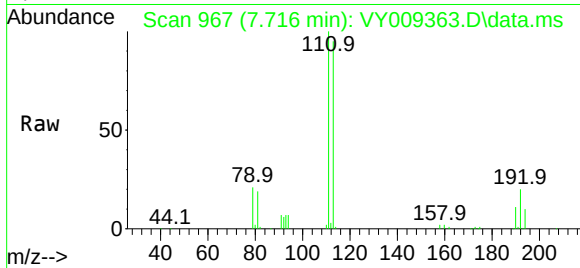




#35
Dibromofluoromethane
Concen: 57.138 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

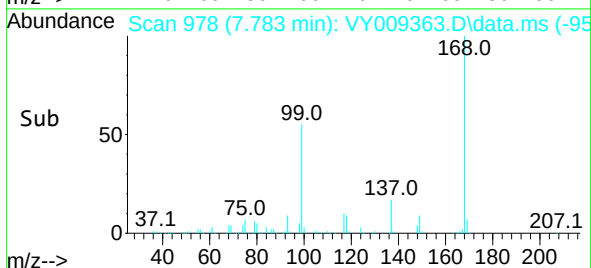
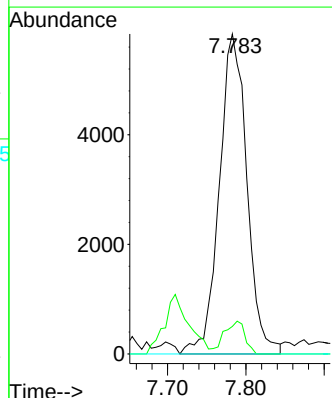
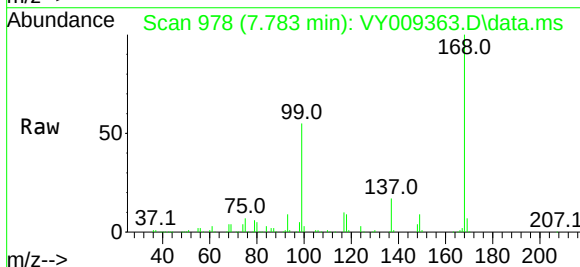
Instrument :
MSVOA_Y
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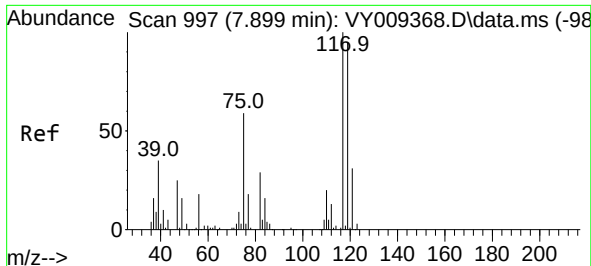
Tgt Ion:113 Resp: 95125
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

Tgt Ion: 75 Resp: 14317
Ion Ratio Lower Upper
75 100
110 7.8 17.1 51.2#
77 0.0 24.4 36.6#

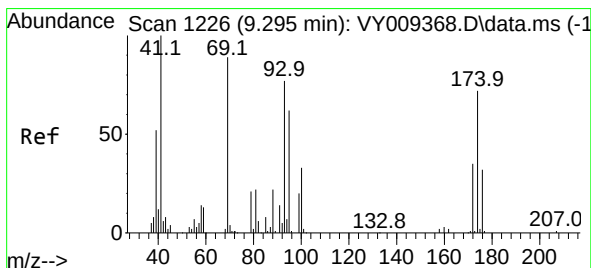
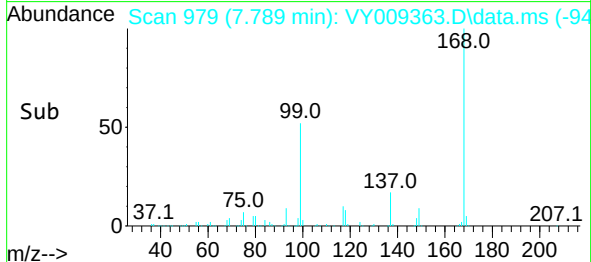
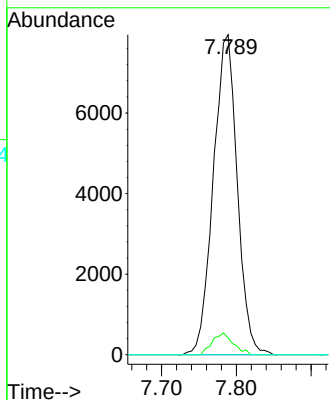
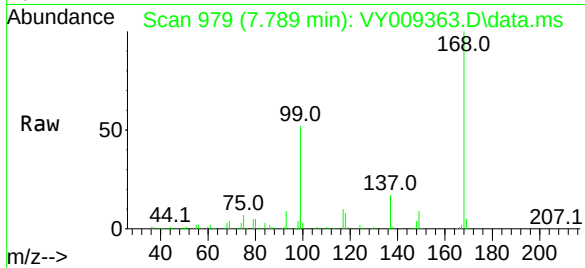




#38
Carbon Tetrachloride
Concen: 5.804 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

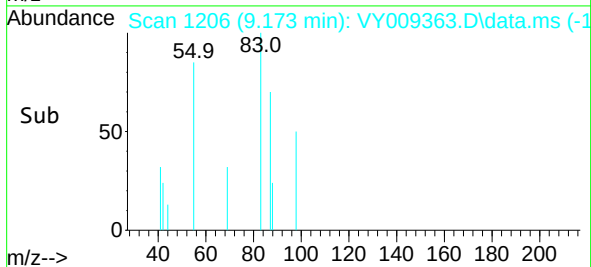
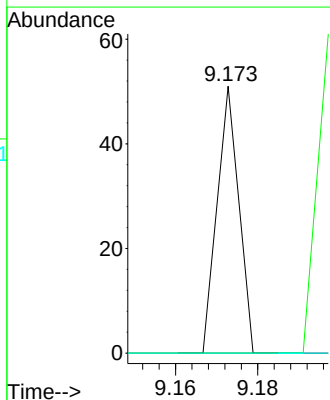
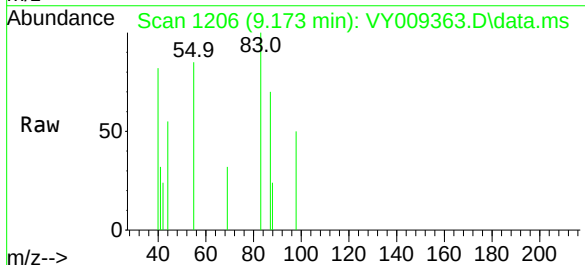
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

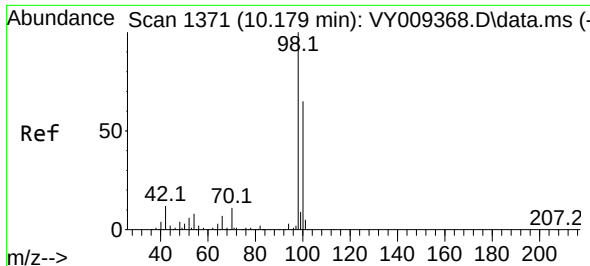
Tgt Ion:117 Resp: 17661
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.103 ug/l
RT: 9.173 min Scan# 1206
Delta R.T. -0.122 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 32.8 49.2#
58 0.0 59.8 89.6#

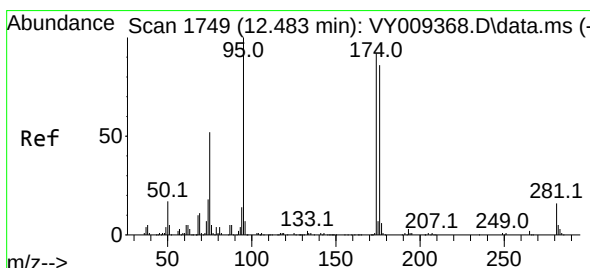
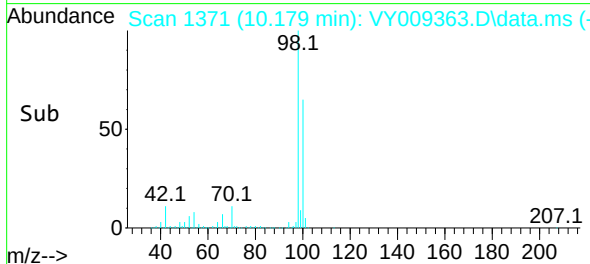
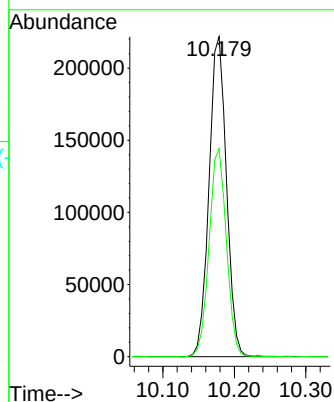
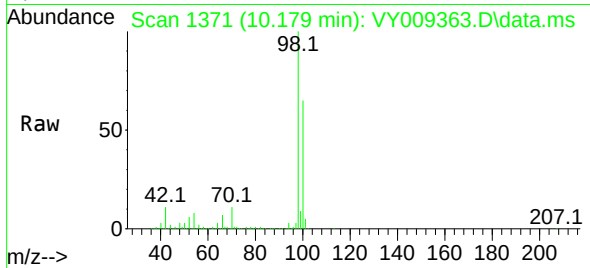




#50
Toluene-d8
Concen: 73.480 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

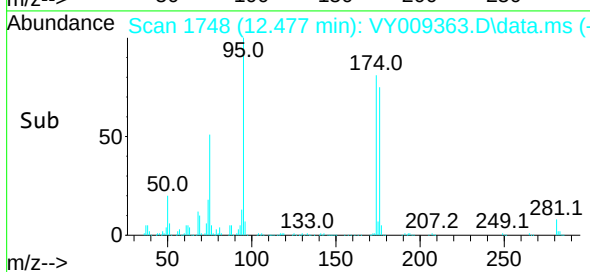
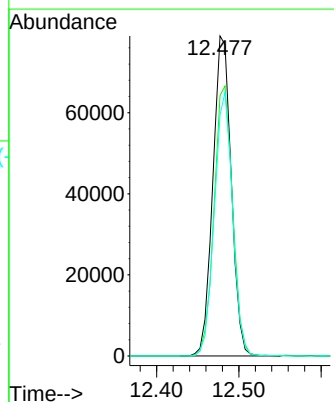
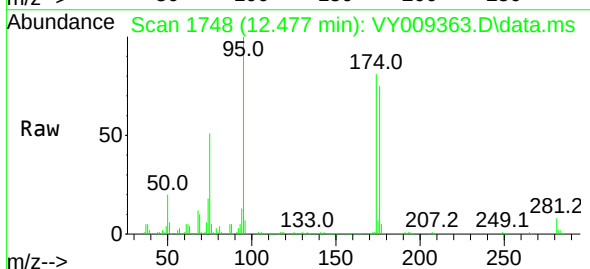
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

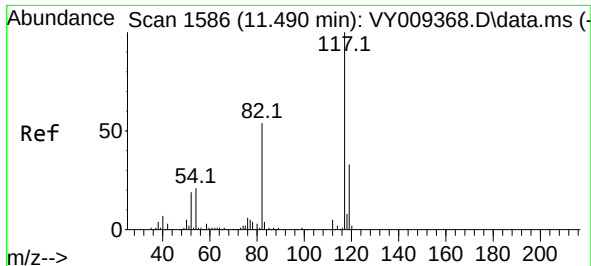
Tgt Ion: 98 Resp: 375071
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.684 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

Tgt Ion: 95 Resp: 122700
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 81.6 0.0 175.8

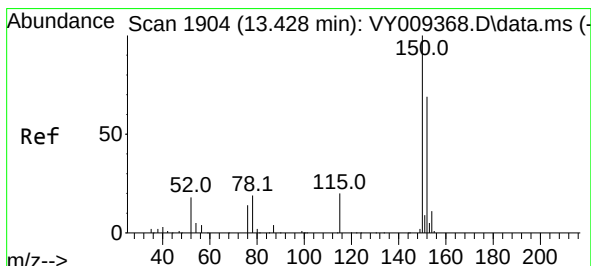
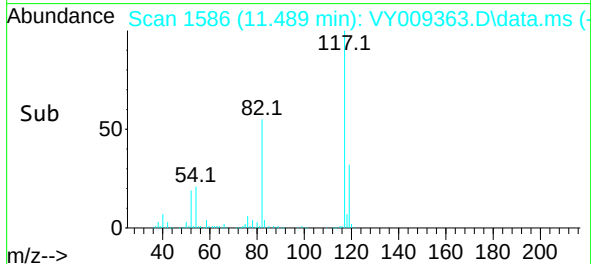
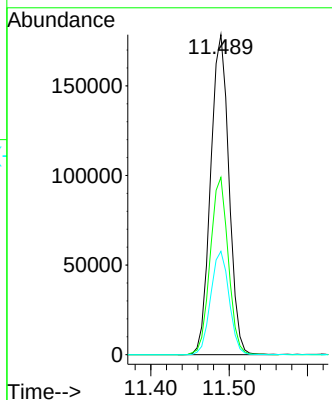
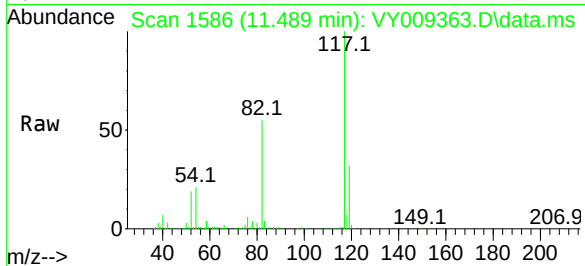




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

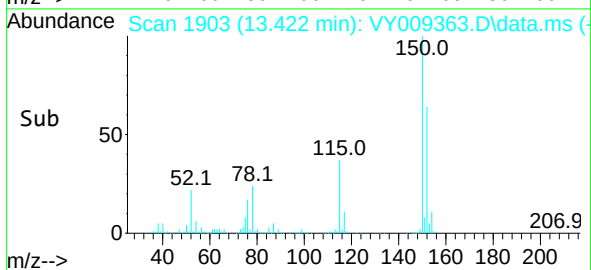
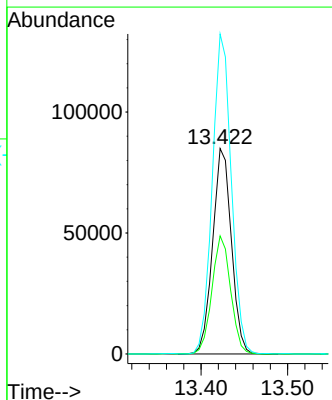
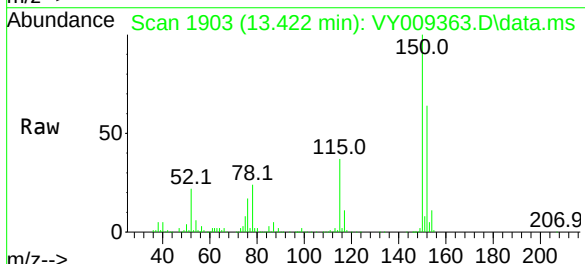
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

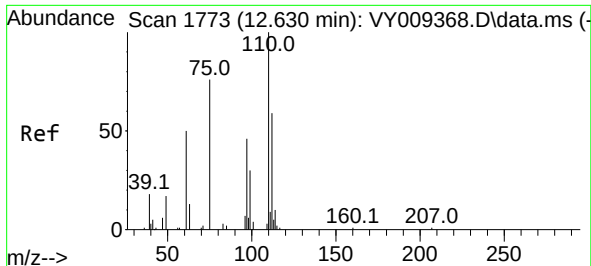
Tgt Ion:117 Resp: 290181
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

Tgt Ion:152 Resp: 127785
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 157.6 0.0 347.6

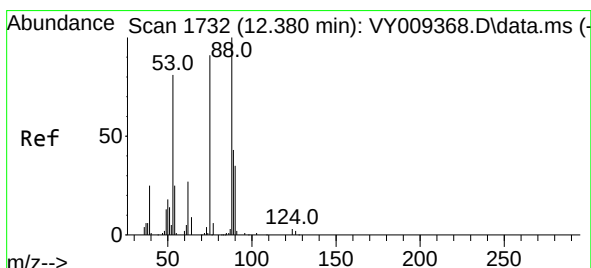
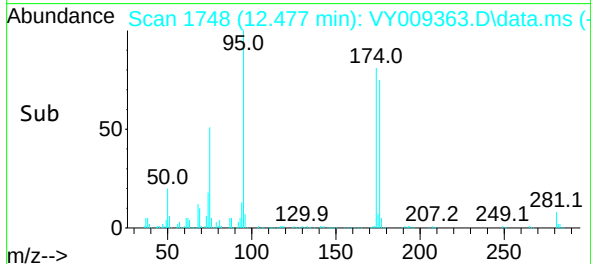
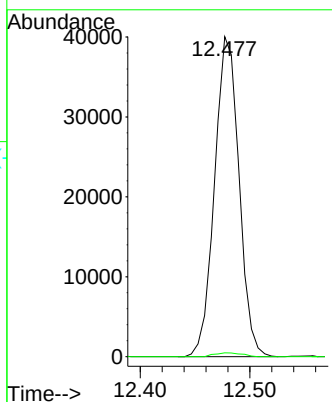
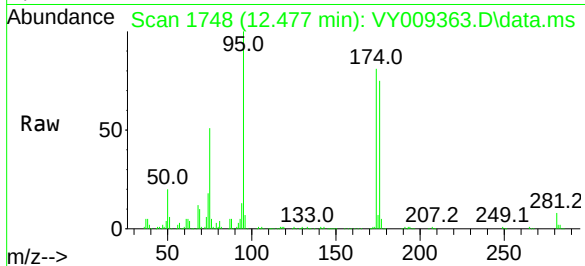




#76
1,2,3-Trichloropropane
Concen: 41.490 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

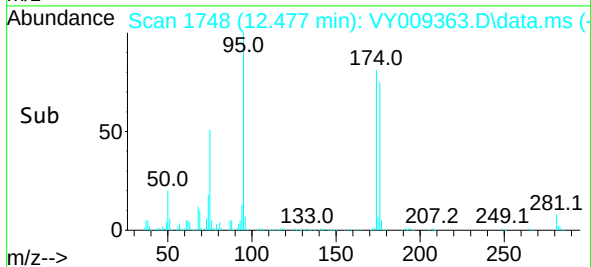
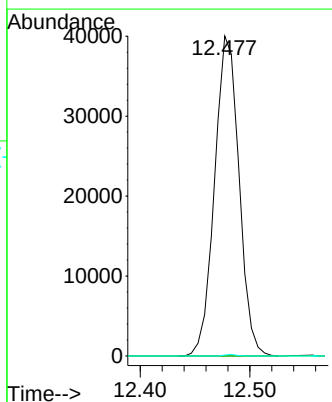
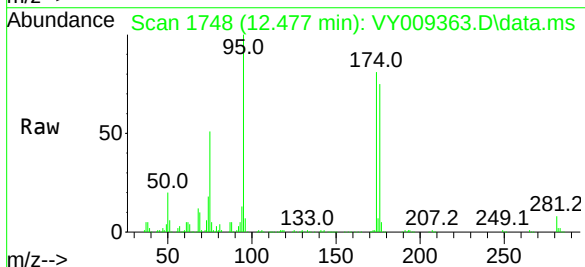
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

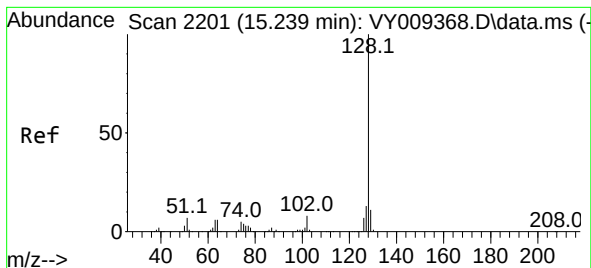
Tgt Ion: 75 Resp: 62089
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.378 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009363.D
Acq: 28 Jun 2022 12:57

Tgt Ion: 75 Resp: 62089
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#





#95

Naphthalene

Concen: 1.203 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY009363.D

Acq: 28 Jun 2022 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

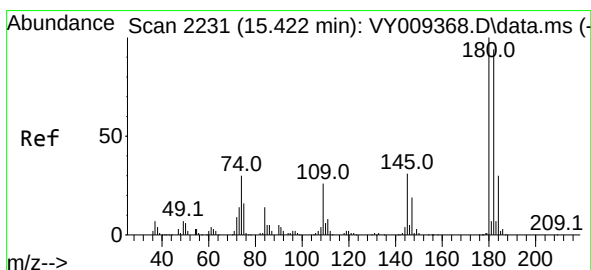
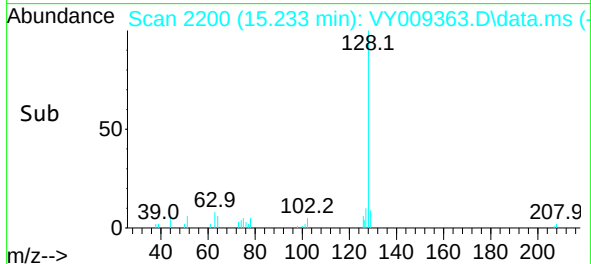
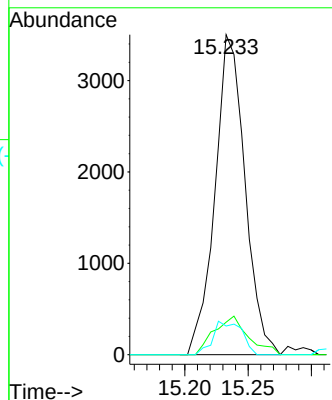
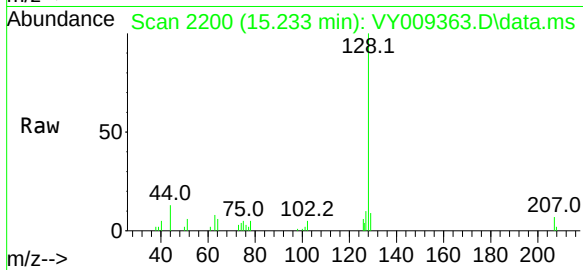
Tgt Ion:128 Resp: 5762

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

129 10.0 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 1.112 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY009363.D

Acq: 28 Jun 2022 12:57

Tgt Ion:180 Resp: 2311

Ion Ratio Lower Upper

180 100

182 93.6 47.3 141.9

145 32.2 15.3 45.9

