

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012759.D
 Acq On : 02 Mar 2023 14:33
 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: Mar 03 01:17:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

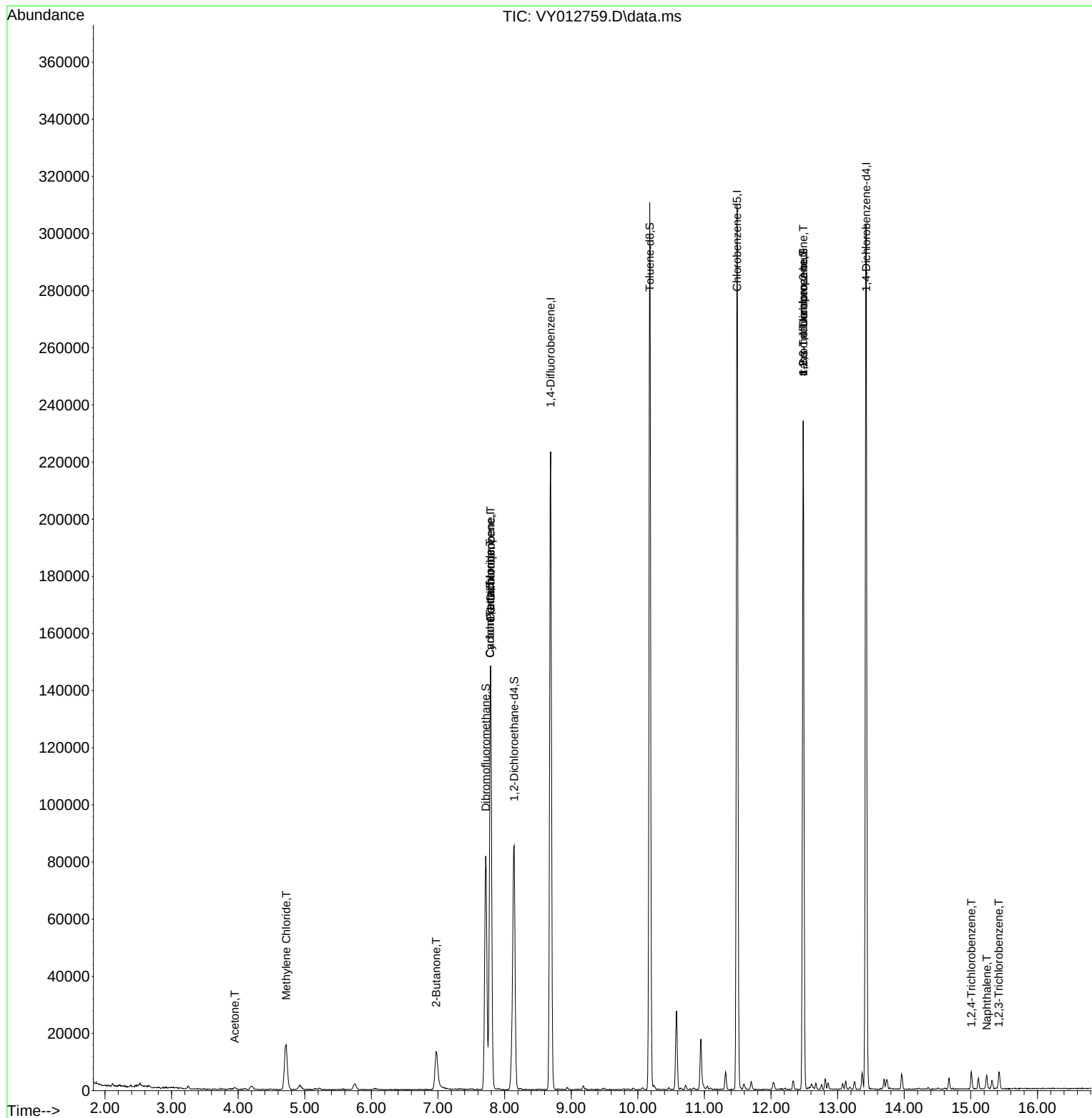
Internal Standards						
1) Pentafluorobenzene	7.789	168	113506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	185081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	160553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61798	54.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.680%	
35) Dibromofluoromethane	7.716	113	56992	51.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.040%	
50) Toluene-d8	10.179	98	197573	48.385	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.483	95	64449	46.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1608	Below Cal	#	74
16) Acetone	3.948	43	1286	2.907	ug/l #	74
20) Methylene Chloride	4.722	84	11422	3.461	ug/l	98
25) 2-Butanone	6.972	43	1200	2.190	ug/l	96
31) Cyclohexane	7.783	56	2927	1.356	ug/l #	30
36) 1,1-Dichloropropene	7.789	75	9091	4.857	ug/l #	49
38) Carbon Tetrachloride	7.783	117	11133	5.760	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	34108	37.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34108	78.121	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.007	180	1774	1.267	ug/l	93
95) Naphthalene	15.239	128	4030	1.436	ug/l	96
96) 1,2,3-Trichlorobenzene	15.422	180	2025	1.626	ug/l	92

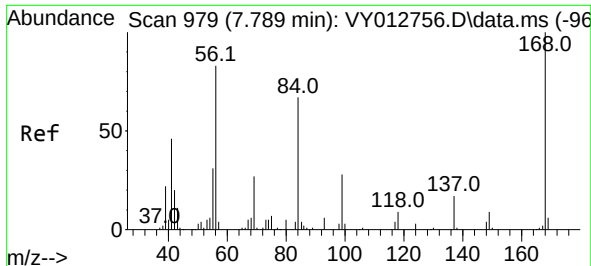
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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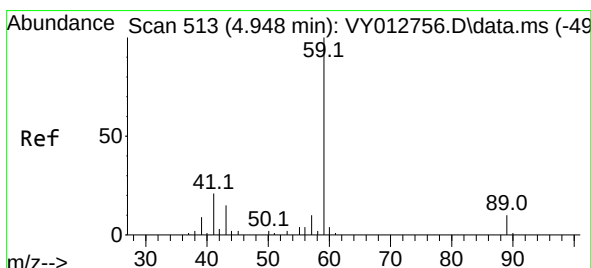
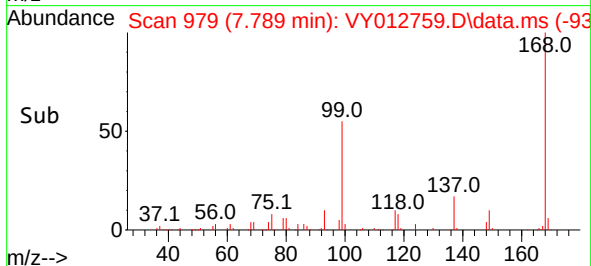
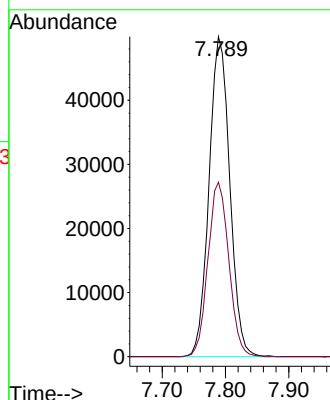
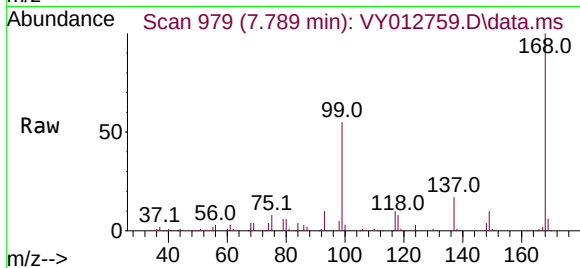




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

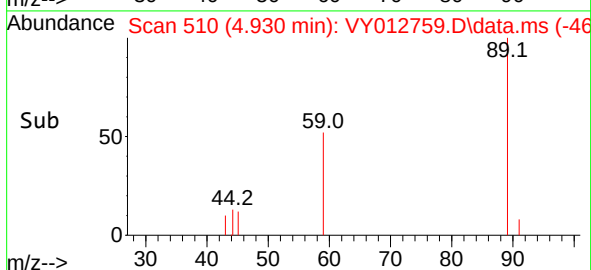
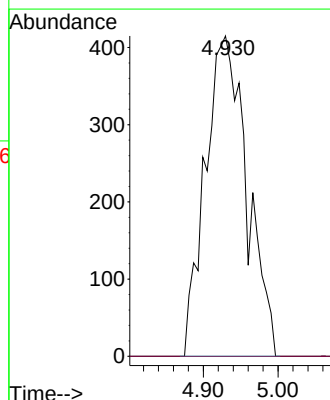
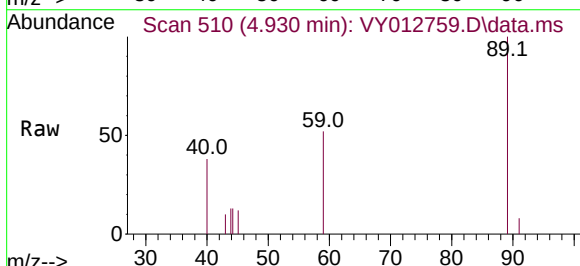
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

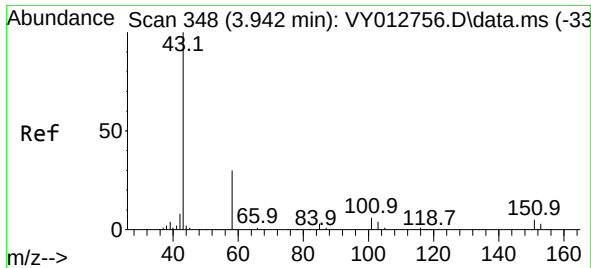
Tgt Ion:168 Resp: 113506
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

Tgt Ion: 59 Resp: 1608
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.907 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

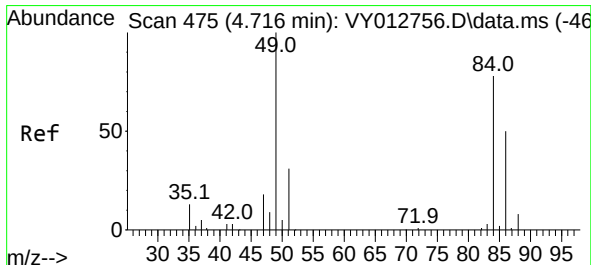
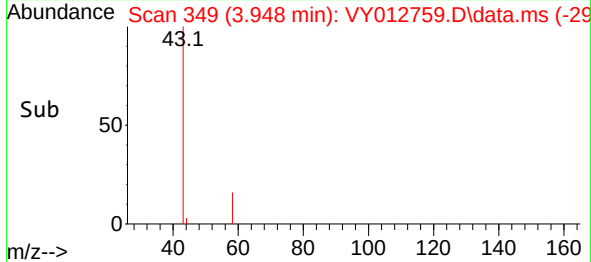
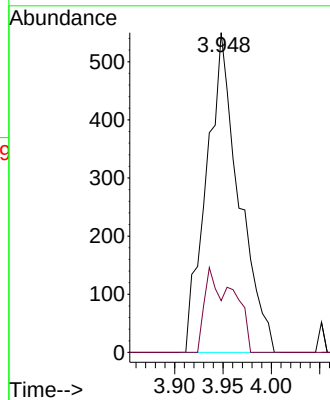
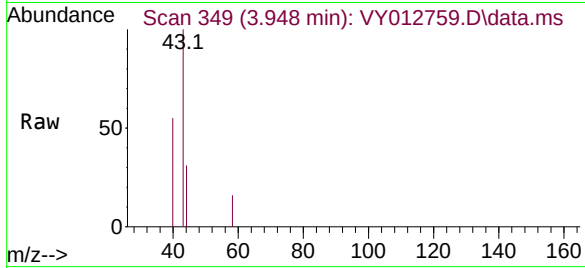
VIBLK

Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

58 16.2 24.2 36.2#



#20

Methylene Chloride

Concen: 3.461 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

Tgt Ion: 84 Resp: 11422

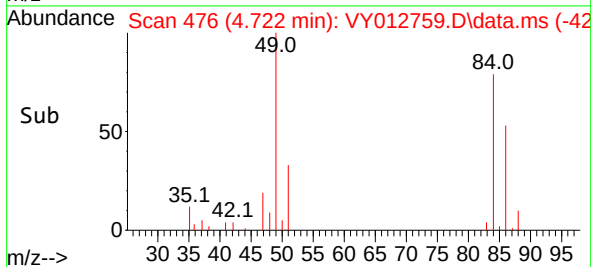
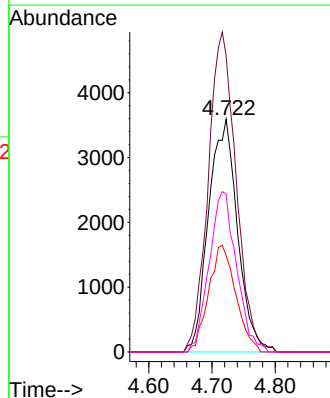
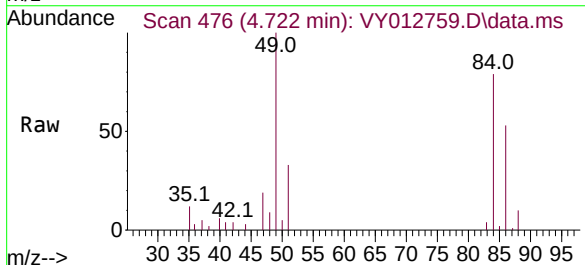
Ion Ratio Lower Upper

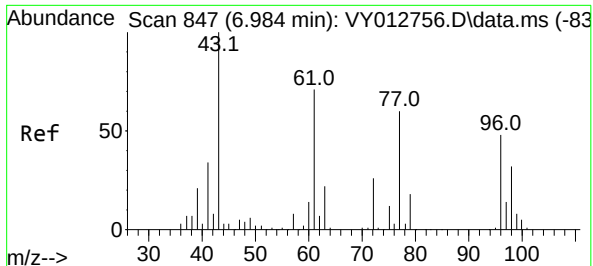
84 100

49 127.3 102.6 154.0

51 41.4 31.9 47.9

86 68.0 51.0 76.6





#25

2-Butanone

Concen: 2.190 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

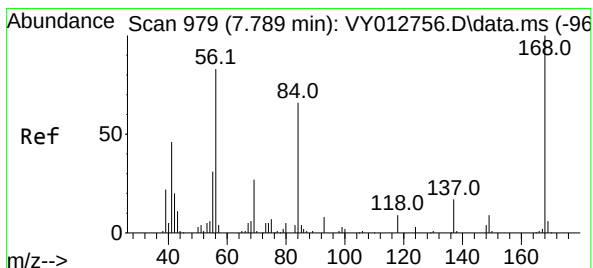
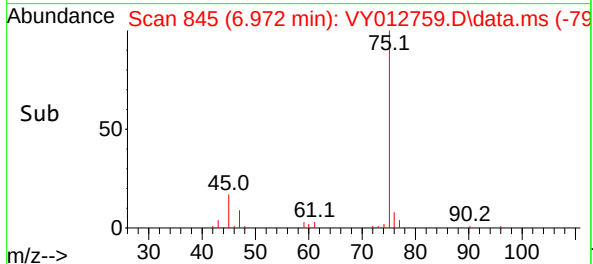
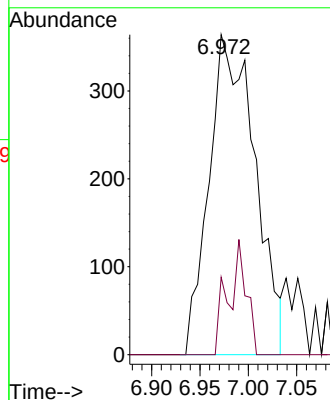
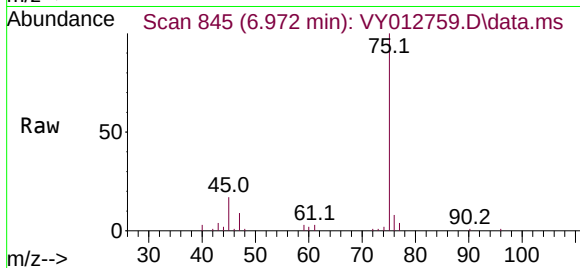
VIBLK

Tgt Ion: 43 Resp: 1200

Ion Ratio Lower Upper

43 100

72 24.2 21.0 31.4



#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

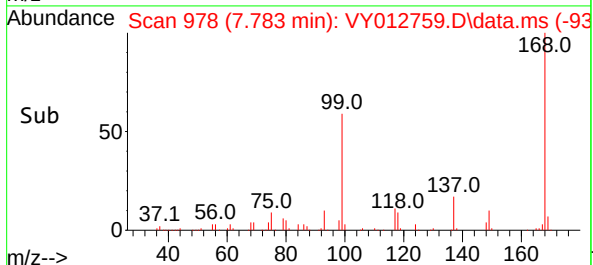
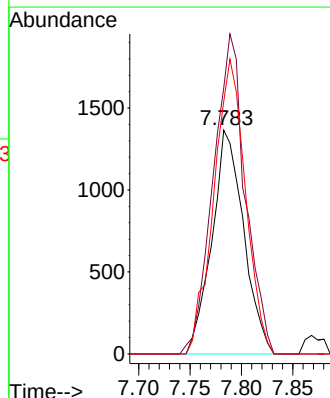
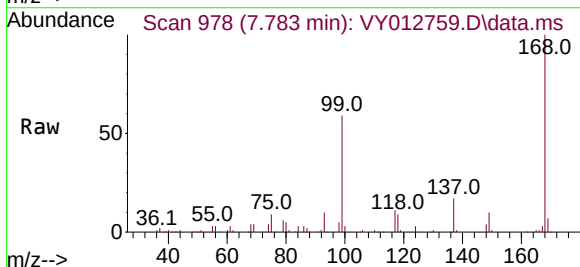
Tgt Ion: 56 Resp: 2927

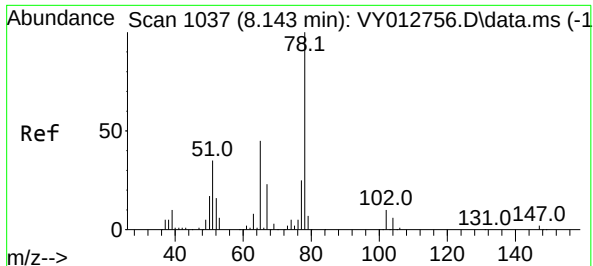
Ion Ratio Lower Upper

56 100

69 118.8 25.7 38.5#

84 112.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 54.836 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

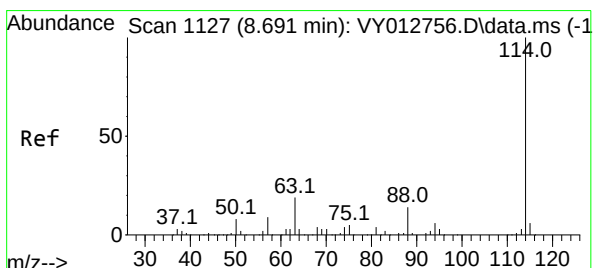
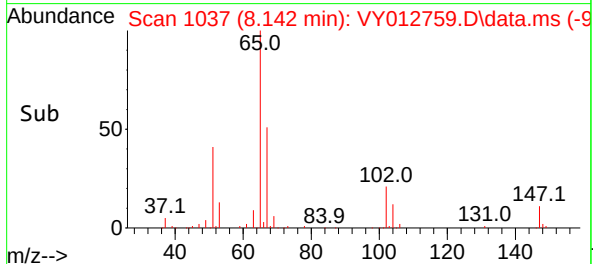
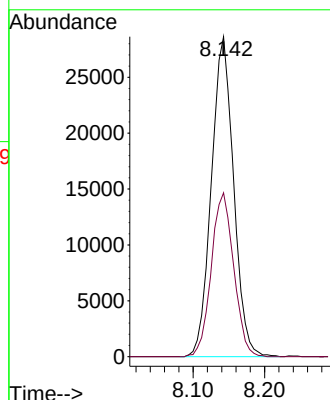
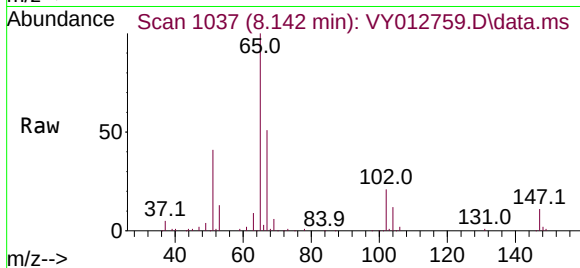
VIBLK

Tgt Ion: 65 Resp: 61798

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

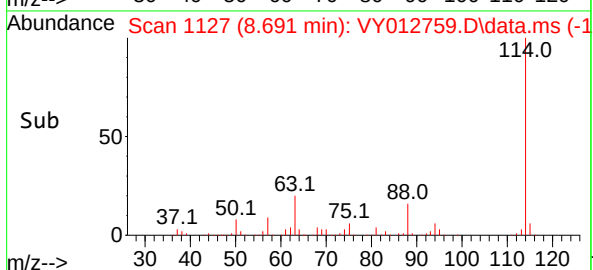
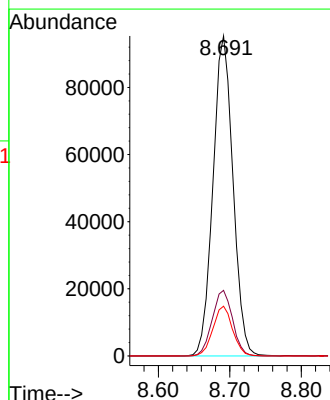
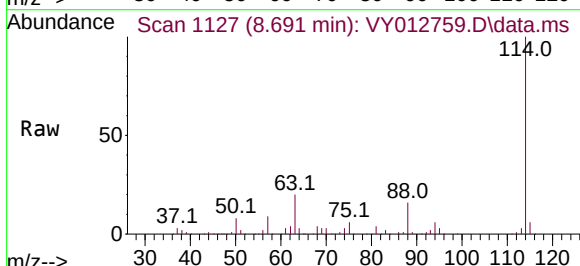
Tgt Ion: 114 Resp: 185081

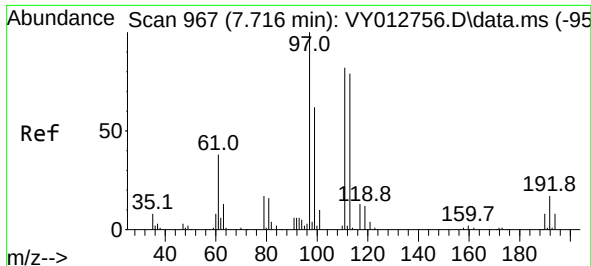
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.5 0.0 28.6

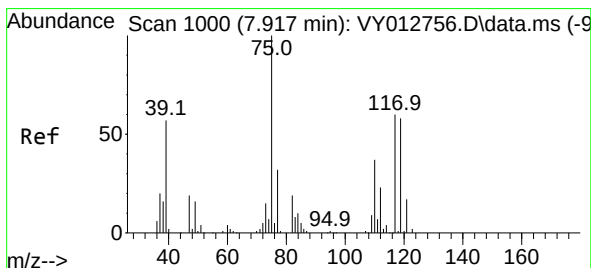
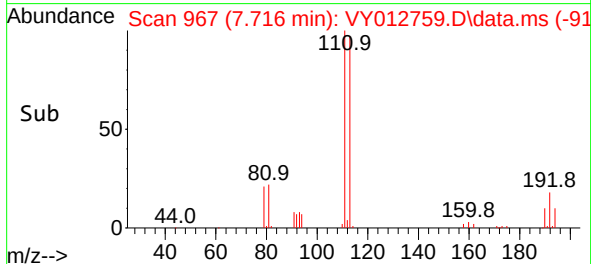
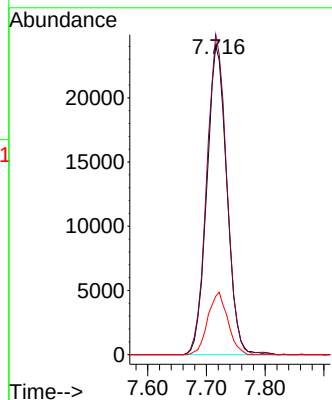
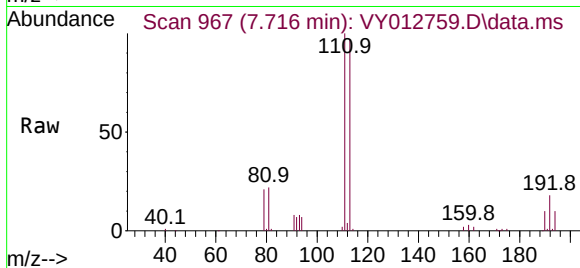




#35
Dibromofluoromethane
Concen: 51.024 ug/l
RT: 7.716 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

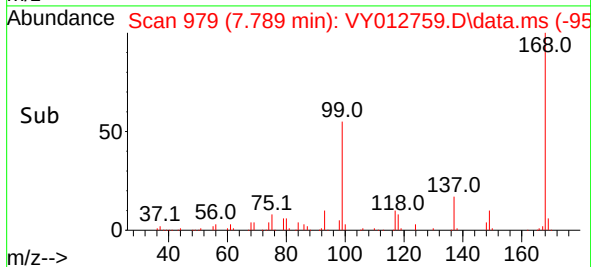
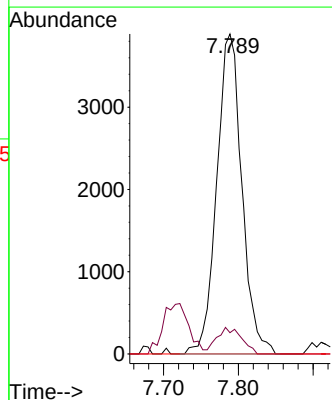
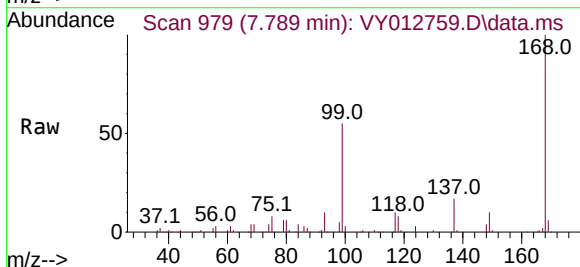
Instrument :
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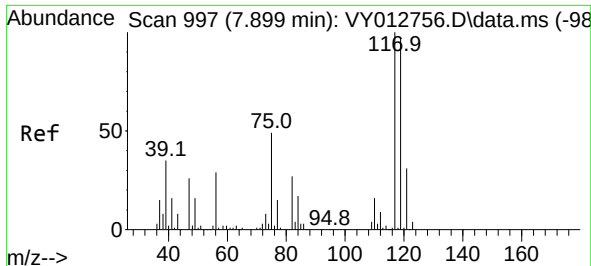
Tgt Ion:113 Resp: 56992
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

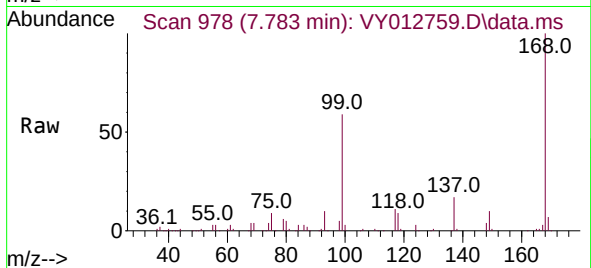
Tgt Ion: 75 Resp: 9091
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 25.0 37.4#



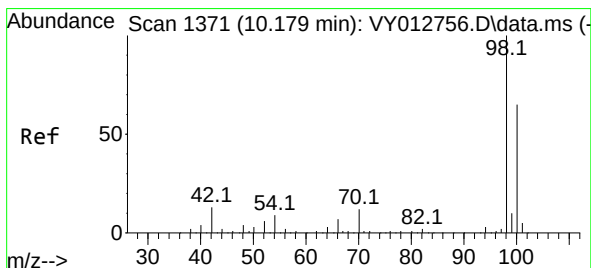
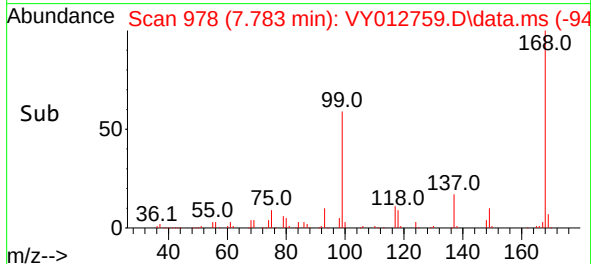
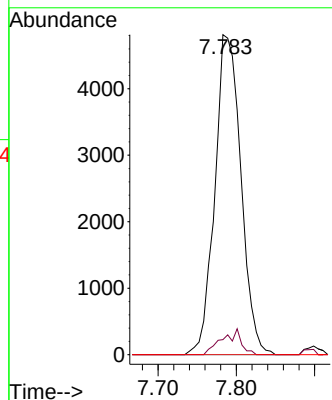


#38
Carbon Tetrachloride
Concen: 5.760 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

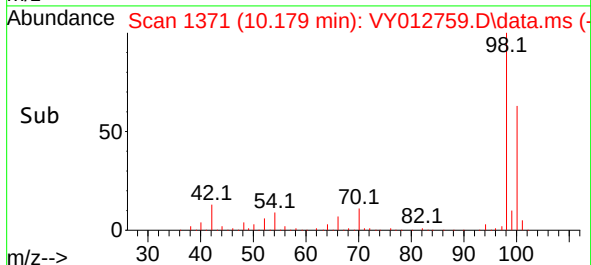
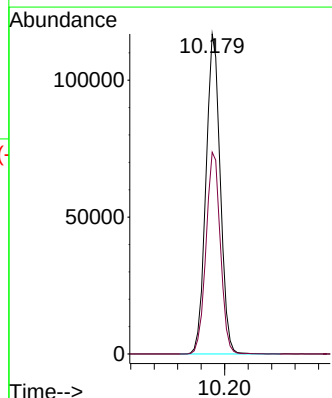
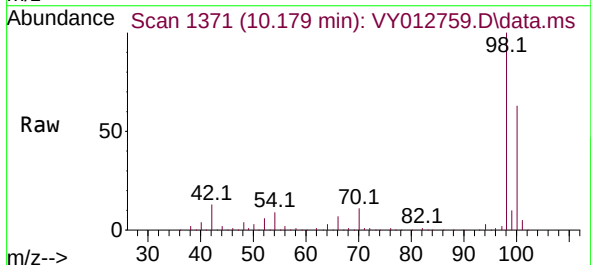


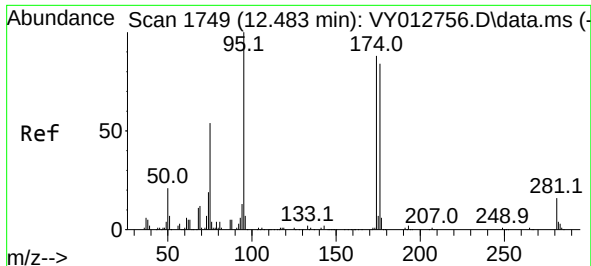
Tgt Ion:117 Resp: 11133
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.385 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

Tgt Ion: 98 Resp: 197573
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3

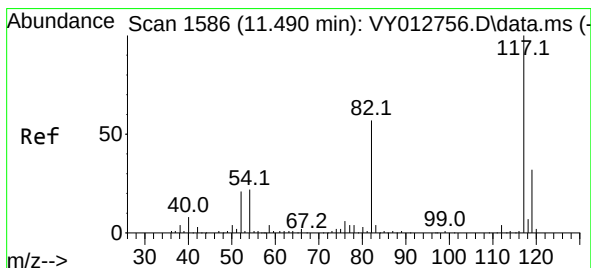
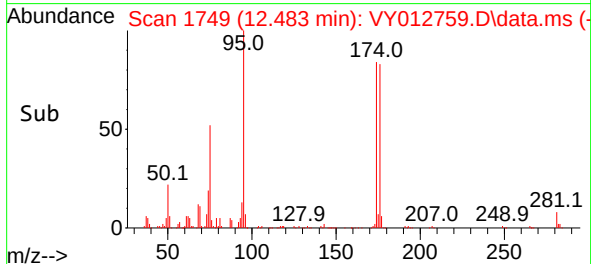
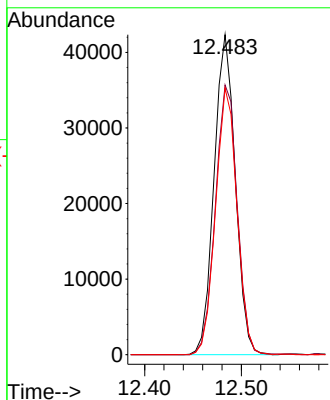
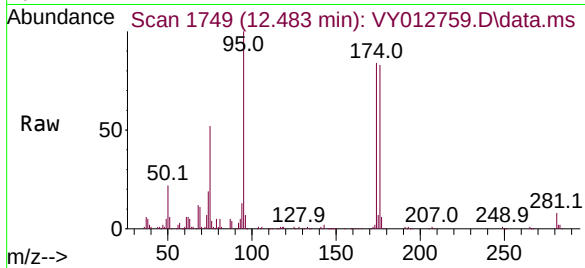




#62
4-Bromofluorobenzene
Concen: 46.762 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

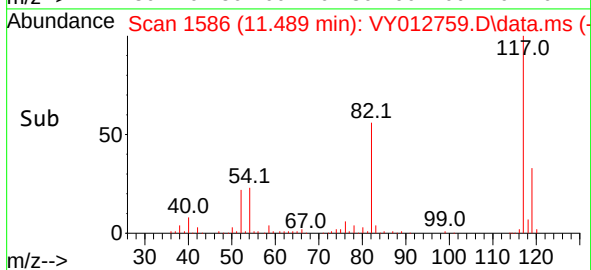
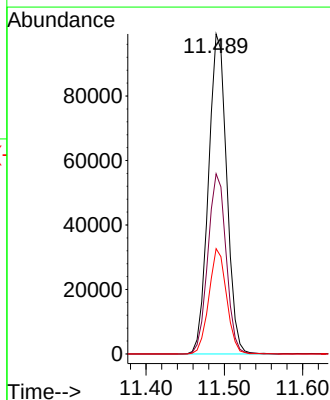
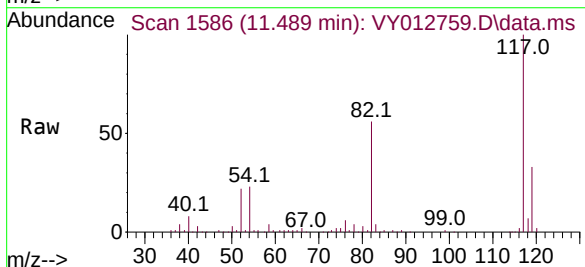
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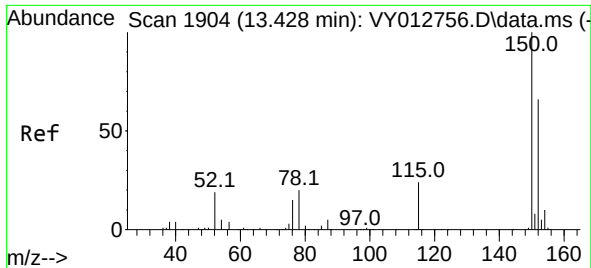
Tgt Ion: 95 Resp: 64449
Ion Ratio Lower Upper
95 100
174 87.2 0.0 176.6
176 84.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

Tgt Ion: 117 Resp: 160553
Ion Ratio Lower Upper
117 100
82 56.3 45.4 68.0
119 32.9 25.6 38.4

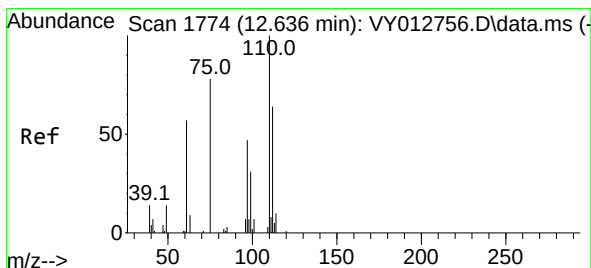
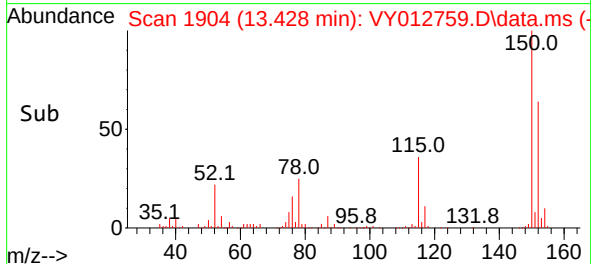
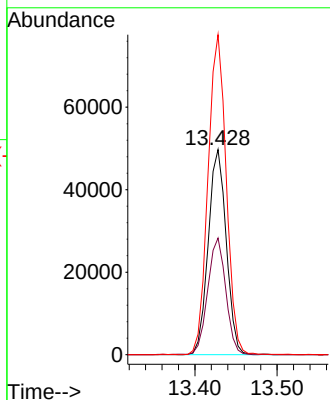
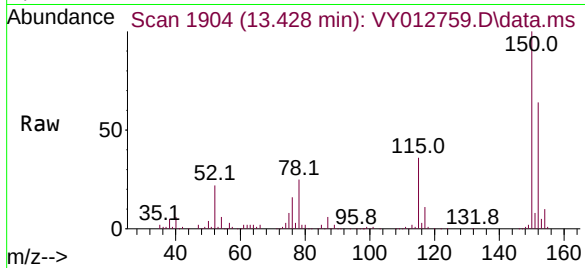




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012759.D
 Acq: 02 Mar 2023 14:33

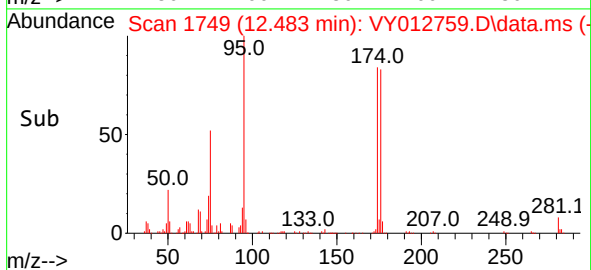
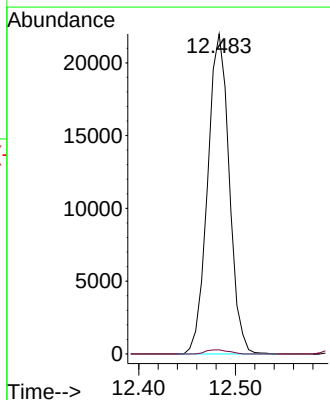
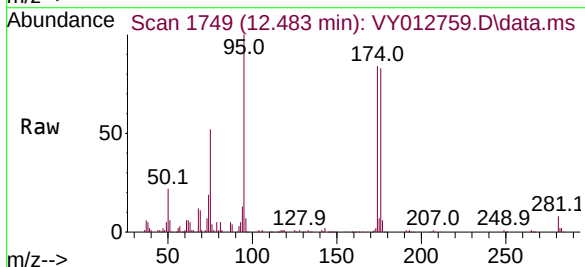
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

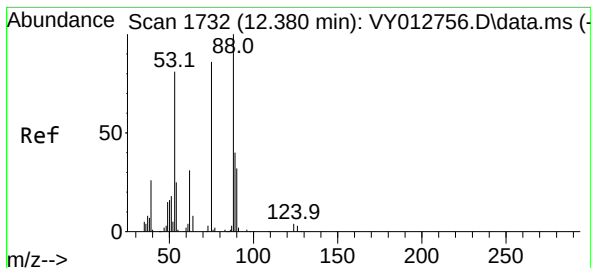
Tgt Ion:152 Resp: 75757
 Ion Ratio Lower Upper
 152 100
 115 57.2 27.1 81.3
 150 157.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 37.703 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY012759.D
 Acq: 02 Mar 2023 14:33

Tgt Ion: 75 Resp: 34108
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

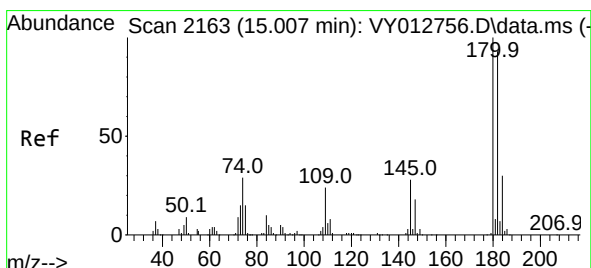
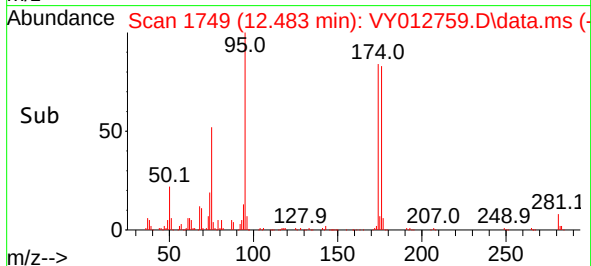
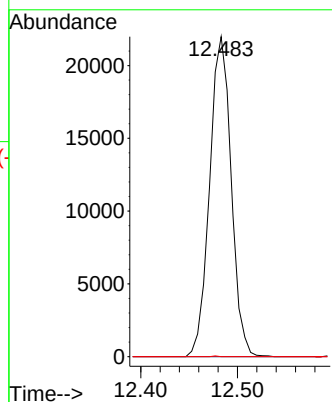
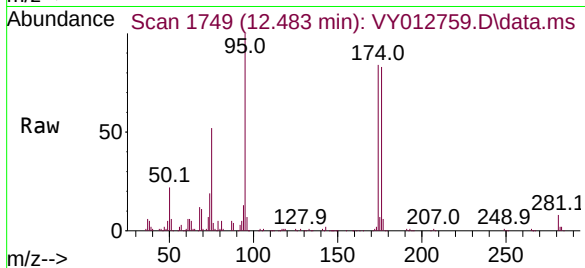




#81
trans-1,4-Dichloro-2-butene
Concen: 78.121 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

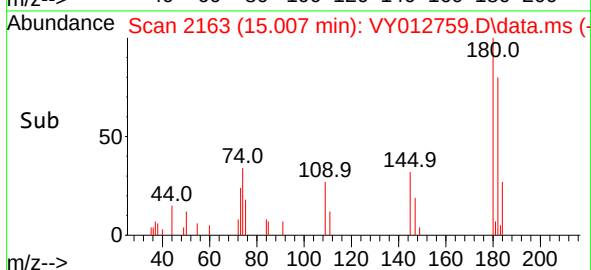
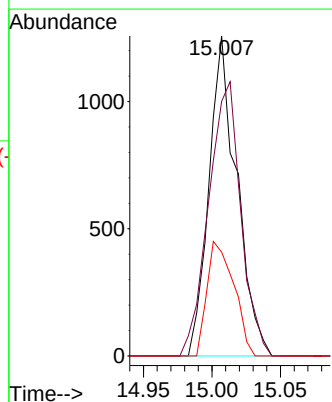
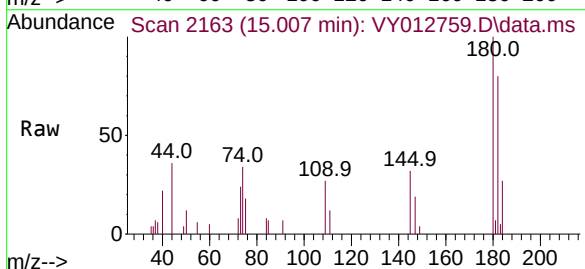
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

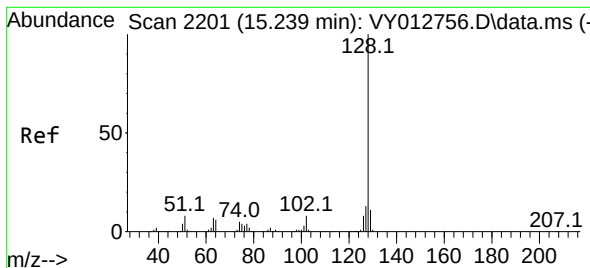
Tgt Ion: 75 Resp: 34108
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.1 36.6 55.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.267 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY012759.D
Acq: 02 Mar 2023 14:33

Tgt Ion: 180 Resp: 1774
Ion Ratio Lower Upper
180 100
182 99.0 46.7 140.1
145 34.4 14.6 43.8





#95

Naphthalene

Concen: 1.436 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

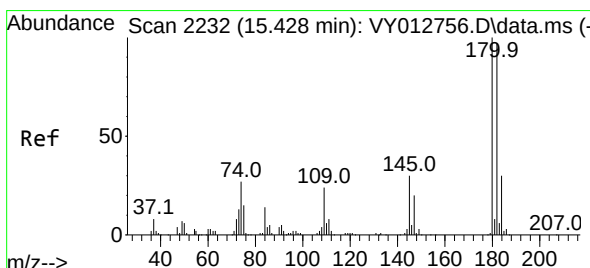
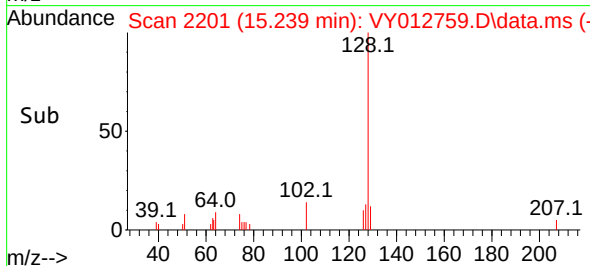
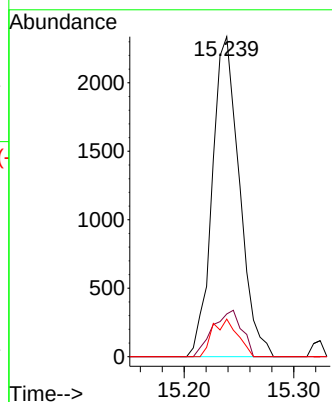
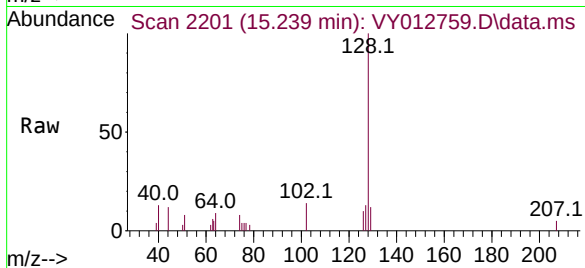
Tgt Ion:128 Resp: 4030

Ion Ratio Lower Upper

128 100

127 15.5 10.3 15.5

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.626 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY012759.D

Acq: 02 Mar 2023 14:33

Tgt Ion:180 Resp: 2025

Ion Ratio Lower Upper

180 100

182 103.1 47.4 142.3

145 33.8 15.3 45.8

