

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012515.D
 Acq On : 07 Feb 2023 12:35
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 07 22:05:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 22:02:28 2023
 Response via : Initial Calibration

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

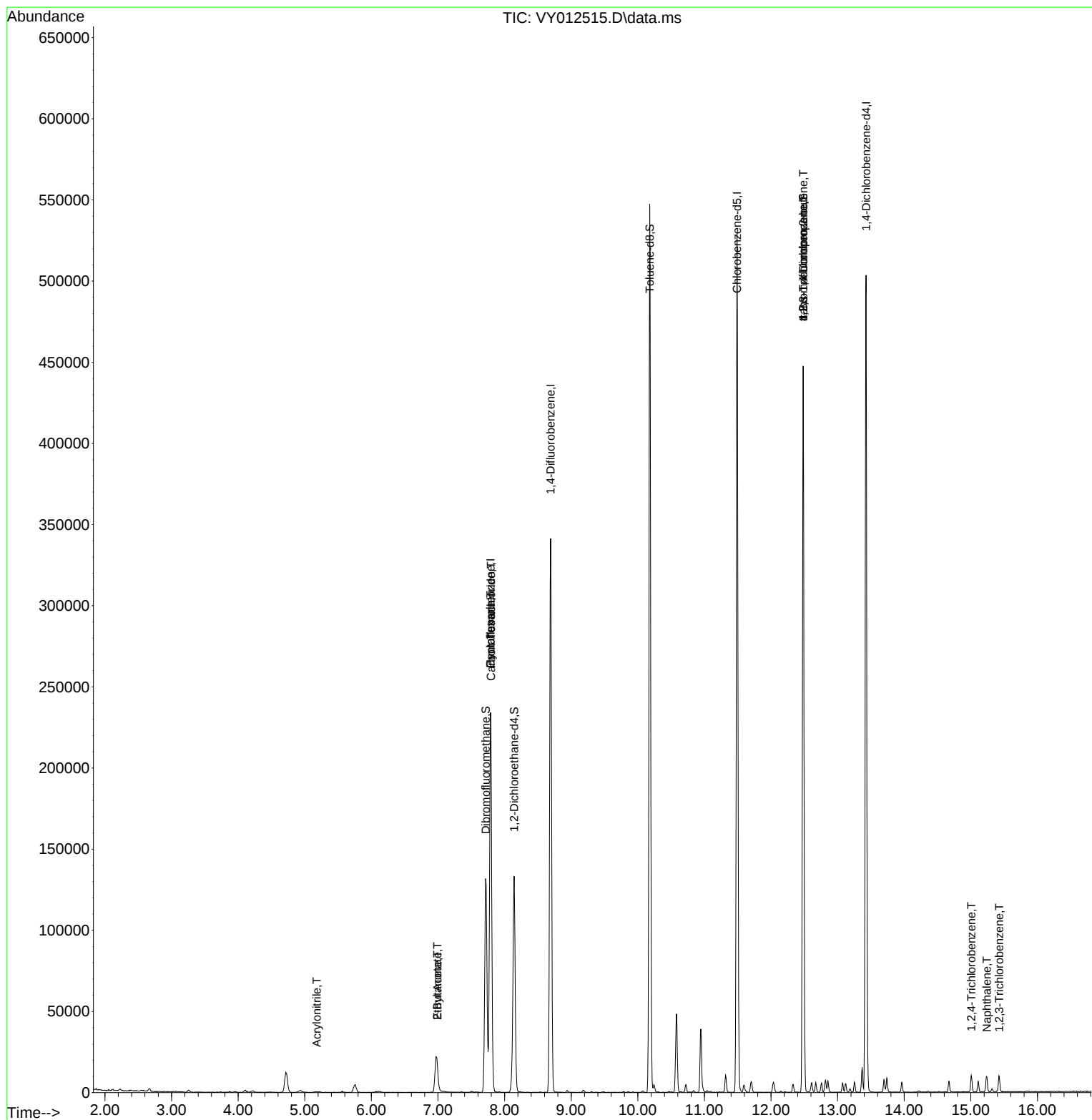
Internal Standards						
1) Pentafluorobenzene	7.789	168	186833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	297518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105291	44.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.640%
35) Dibromofluoromethane	7.716	113	92299	40.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.480%
50) Toluene-d8	10.179	98	365973	38.813	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.620%
62) 4-Bromofluorobenzene	12.483	95	122565	37.266	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	113	Below Cal	#	41
5) Bromomethane	2.674	94	916	Below Cal		97
11) Tert butyl alcohol	4.948	59	1471	Below Cal	#	75
15) Acrylonitrile	5.180	53	534	1.047	ug/l #	83
25) 2-Butanone	6.990	43	1501	2.366	ug/l #	71
31) Cyclohexane	7.789	56	3417	1.244	ug/l #	5
37) Ethyl Acetate	6.990	43	1501	1.085	ug/l #	1
38) Carbon Tetrachloride	7.795	117	18404	4.472	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	65694	42.622	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65694	96.116	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.007	180	3745	1.248	ug/l	95
95) Naphthalene	15.239	128	9365	1.626	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	3691	1.421	ug/l	99

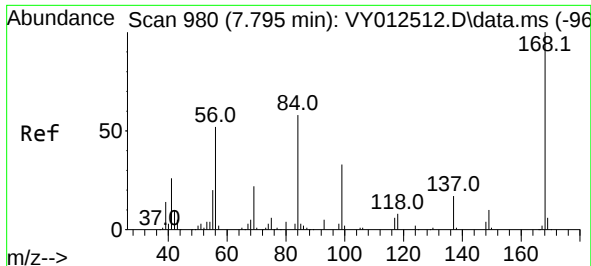
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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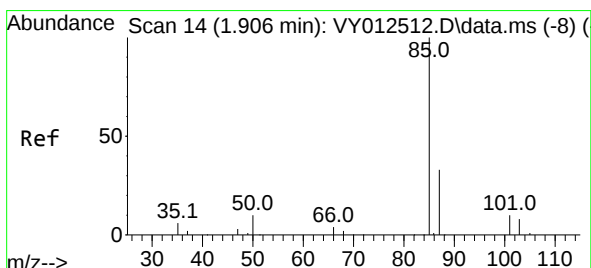
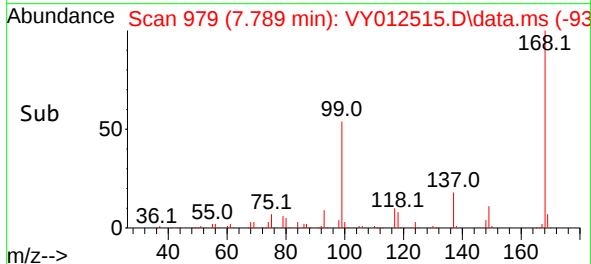
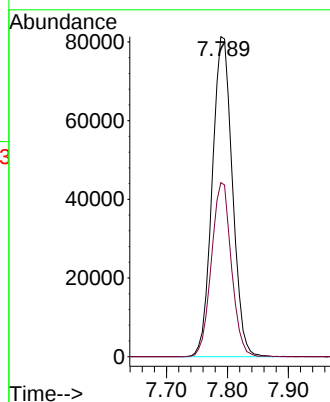
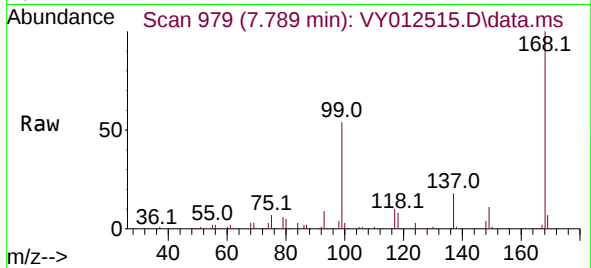




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

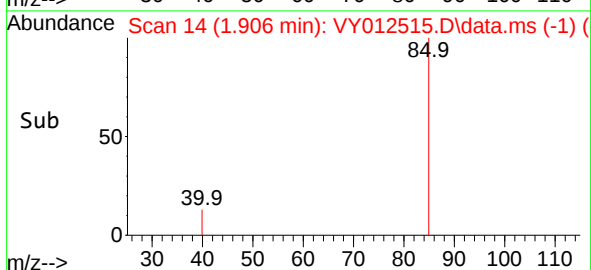
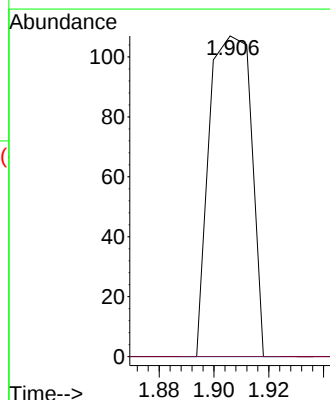
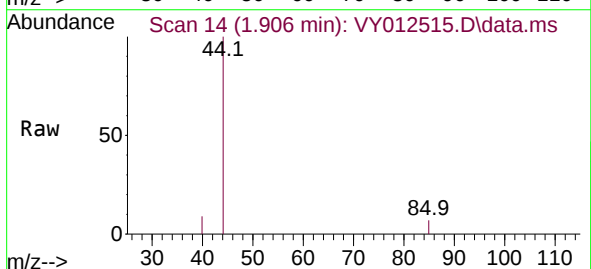
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

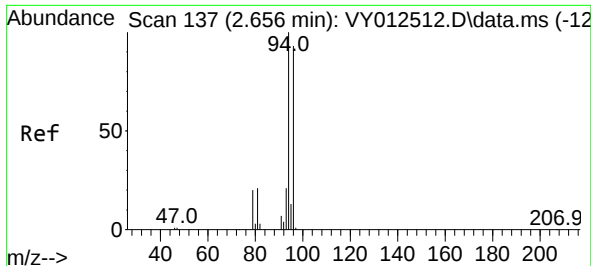
Tgt Ion:168 Resp: 186833
Ion Ratio Lower Upper
168 100
99 54.4 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

Tgt Ion: 85 Resp: 113
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

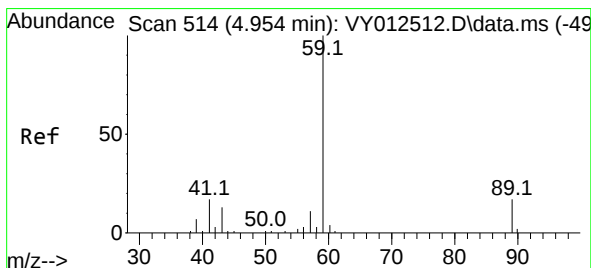
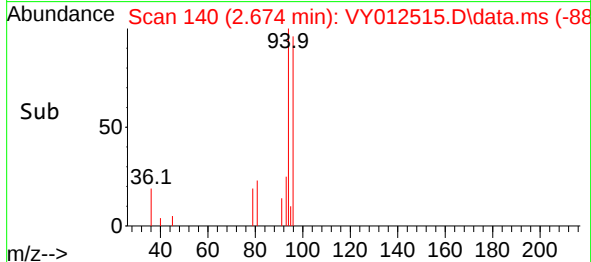
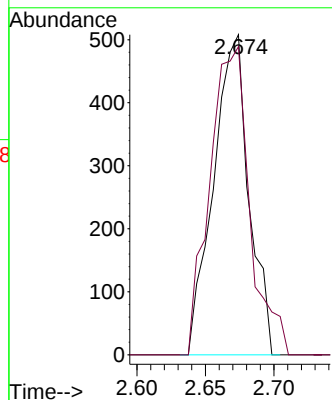
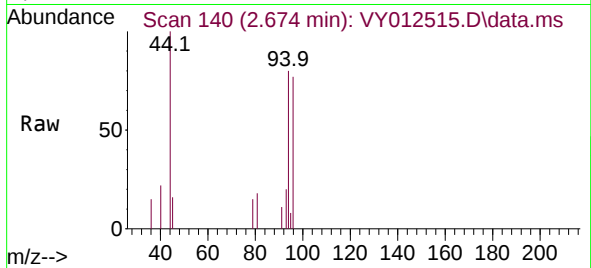




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

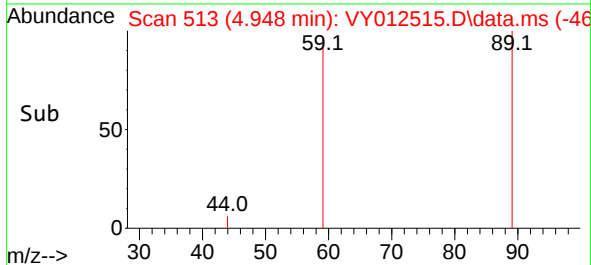
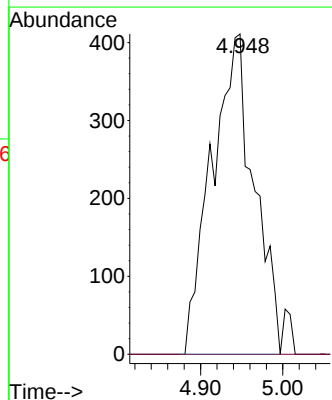
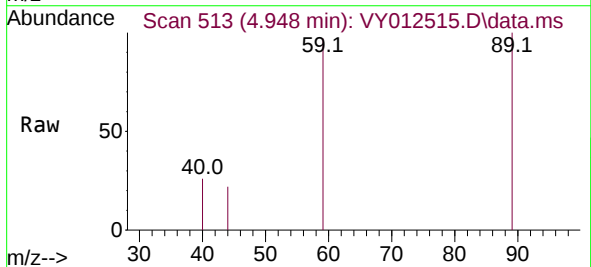
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

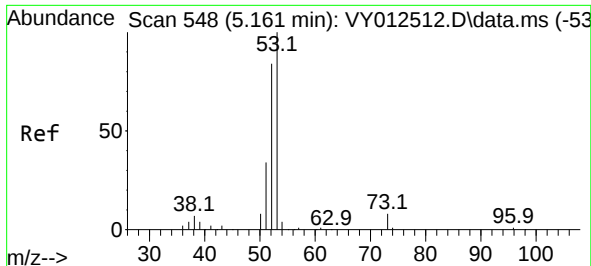
Tgt Ion: 94 Resp: 916
Ion Ratio Lower Upper
94 100
96 96.3 74.7 112.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

Tgt Ion: 59 Resp: 1471
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#15

Acrylonitrile

Concen: 1.047 ug/l

RT: 5.180 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

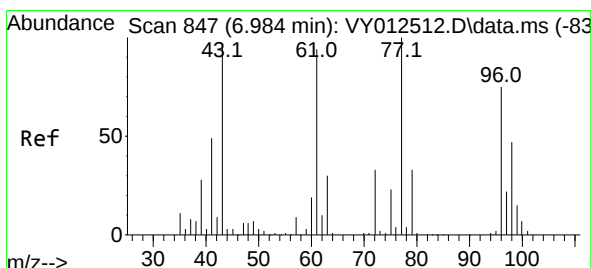
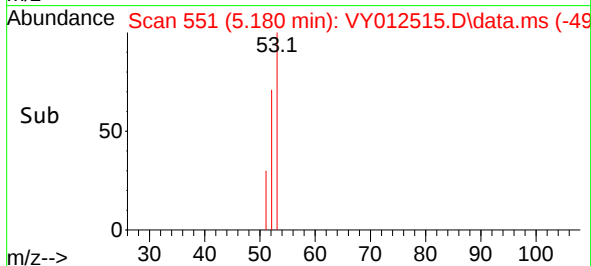
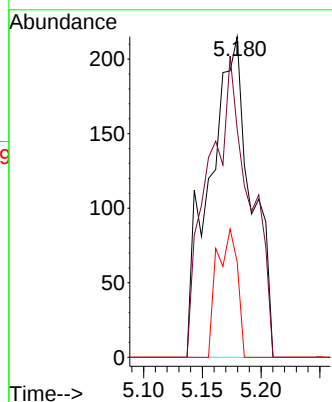
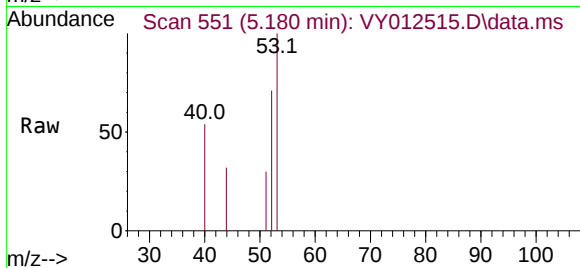
Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 53	Resp:	534
Ion	Ratio	Lower Upper
53	100	
52	91.9	65.0 97.4
51	19.5	28.7 43.1#



#25

2-Butanone

Concen: 2.366 ug/l

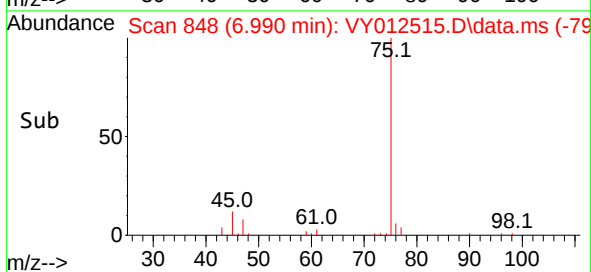
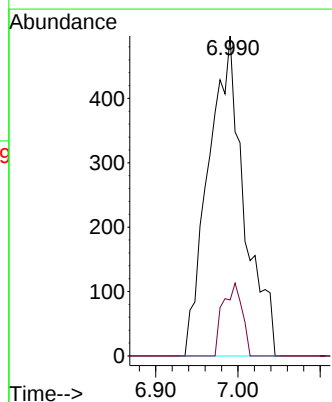
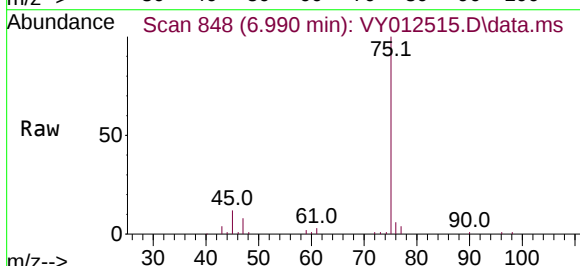
RT: 6.990 min Scan# 848

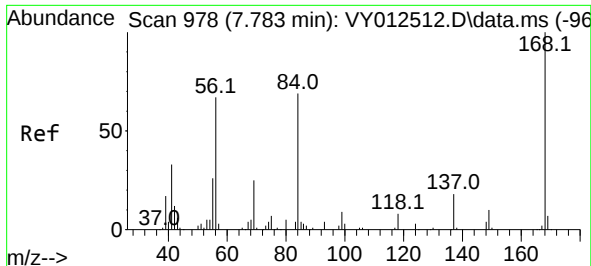
Delta R.T. 0.006 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Tgt Ion: 43	Resp:	1501
Ion	Ratio	Lower Upper
43	100	
72	17.5	27.4 41.2#

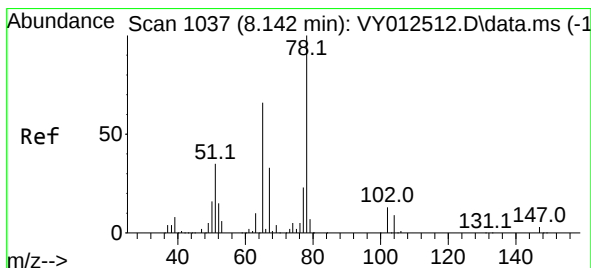
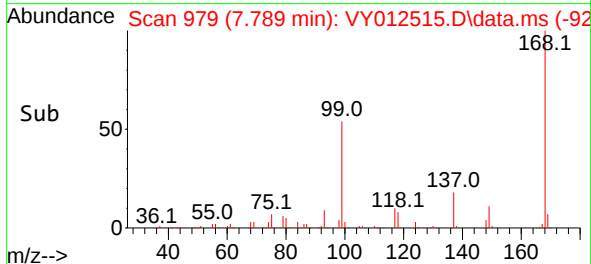
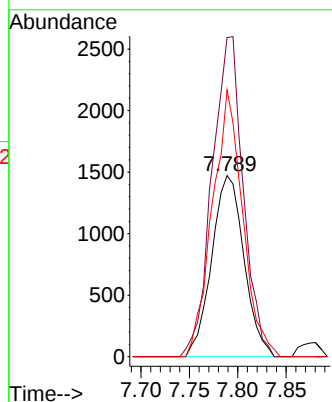
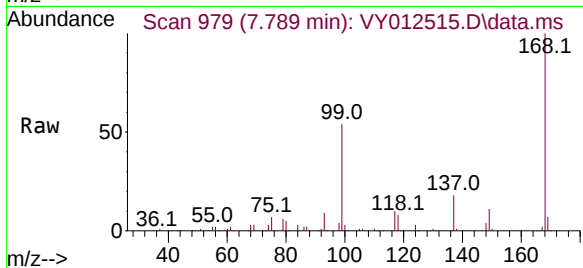




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

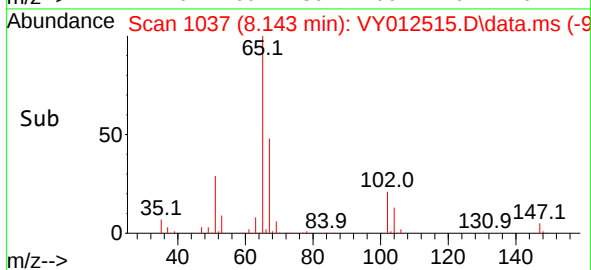
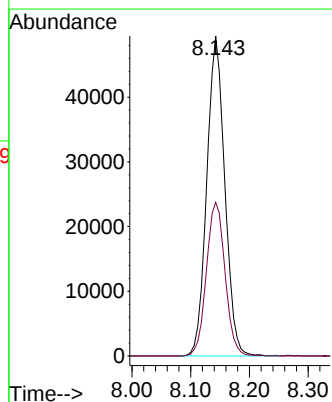
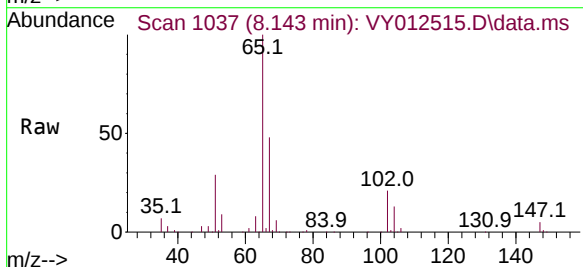
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

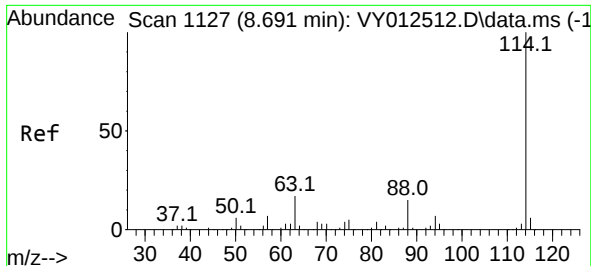
Tgt Ion: 56 Resp: 3417
Ion Ratio Lower Upper
56 100
69 176.3 29.5 44.3#
84 147.4 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 44.318 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

Tgt Ion: 65 Resp: 105291
Ion Ratio Lower Upper
65 100
67 49.7 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

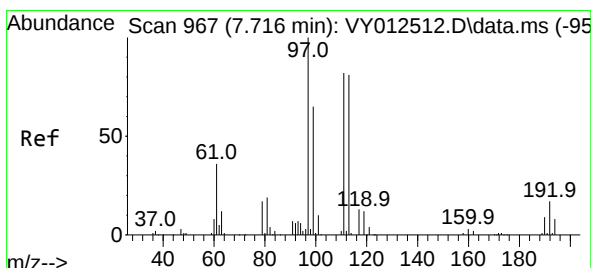
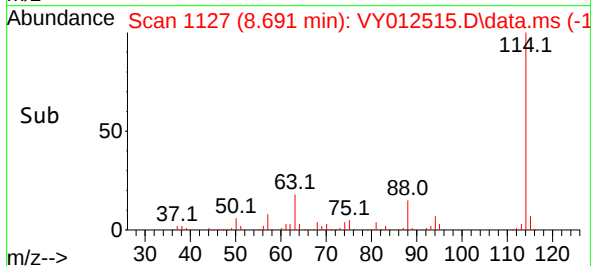
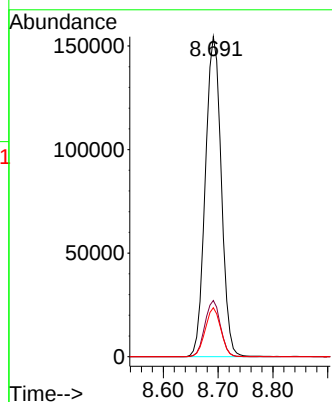
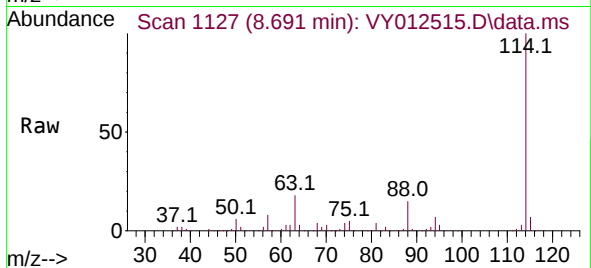
Tgt Ion:114 Resp: 311068

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.6

88 15.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.743 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

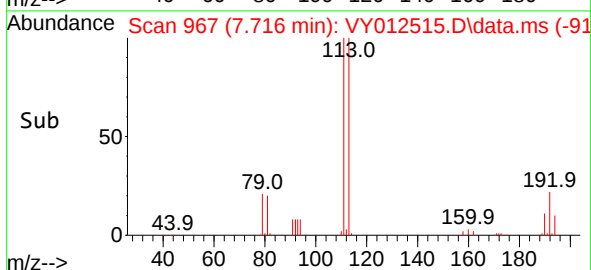
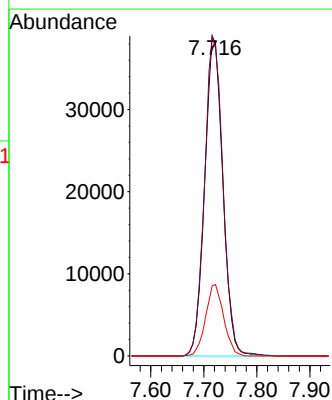
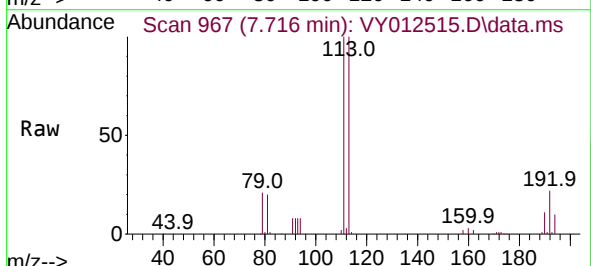
Tgt Ion:113 Resp: 92299

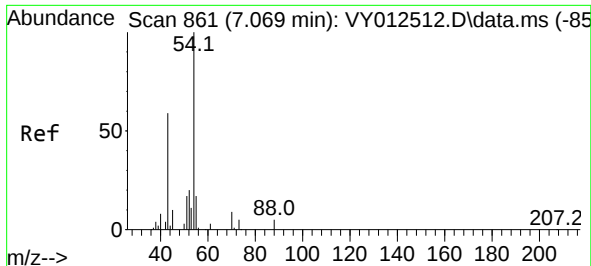
Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 22.3 17.5 26.3





#37

Ethyl Acetate

Concen: 1.085 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

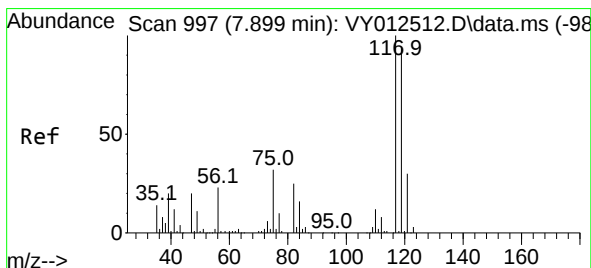
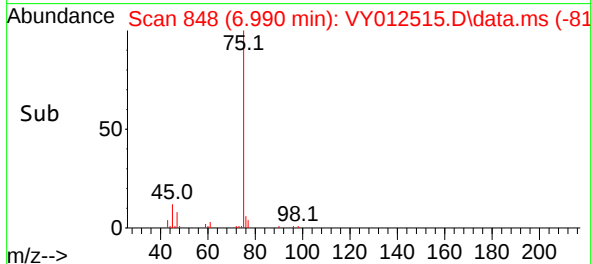
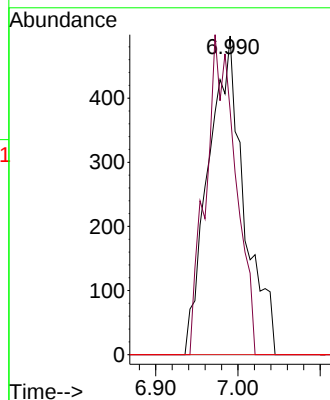
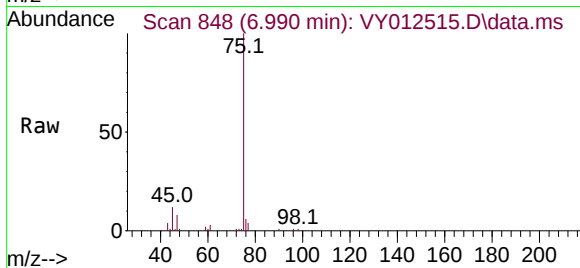
Tgt Ion: 43 Resp: 1501

Ion Ratio Lower Upper

43 100

61 83.9 12.5 18.7#

70 0.0 11.0 16.4#



#38

Carbon Tetrachloride

Concen: 4.472 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

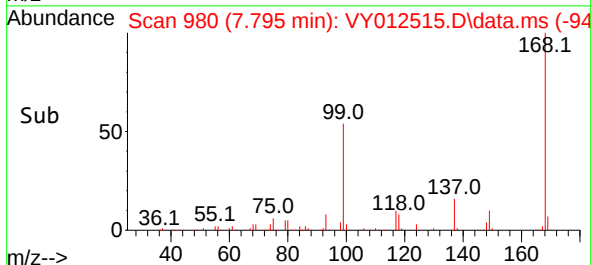
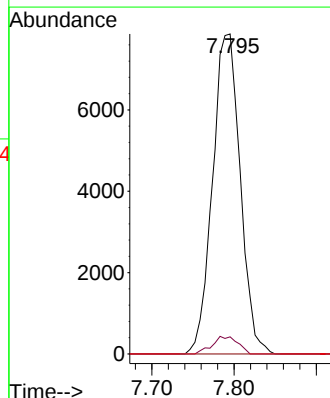
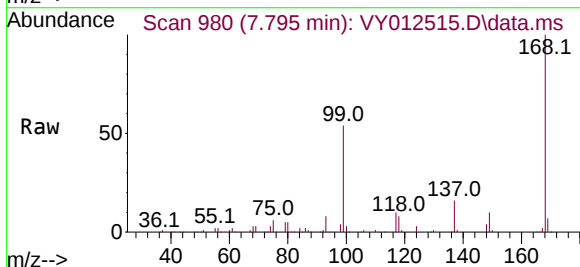
Tgt Ion: 117 Resp: 18404

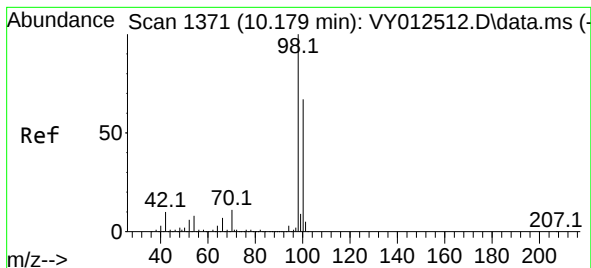
Ion Ratio Lower Upper

117 100

119 5.3 75.1 112.7#

121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 38.813 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

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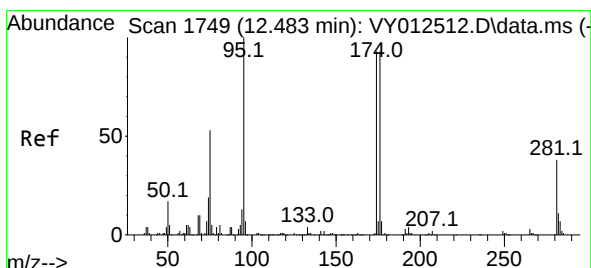
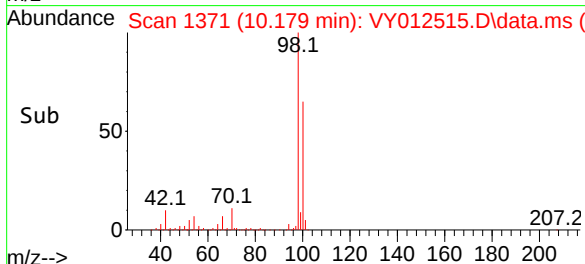
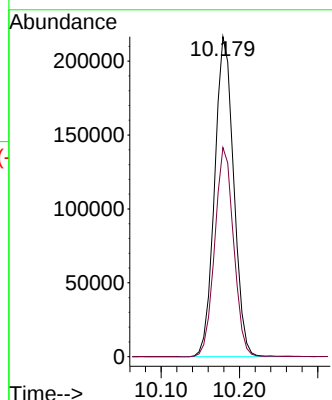
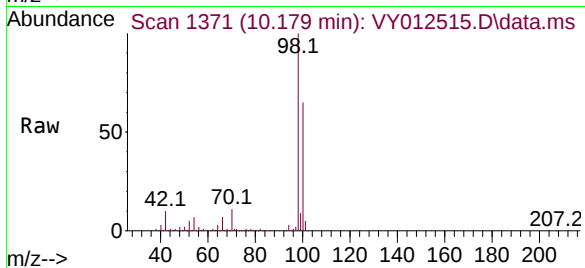
VIBLK

Tgt Ion: 98 Resp: 365973

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 37.266 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

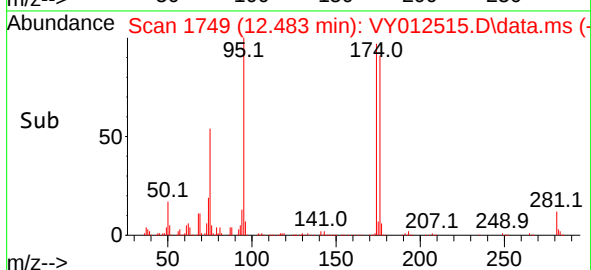
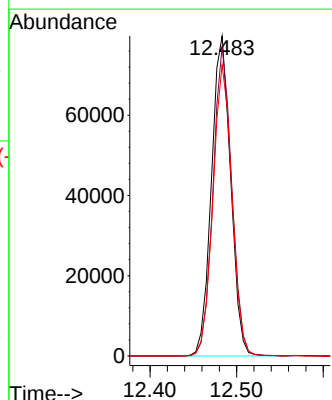
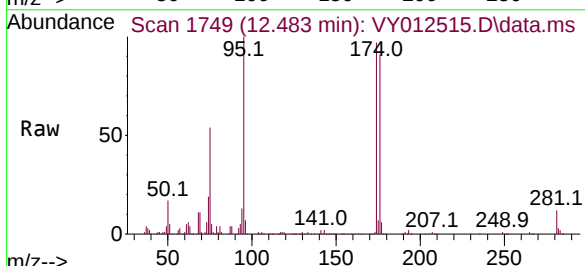
Tgt Ion: 95 Resp: 122565

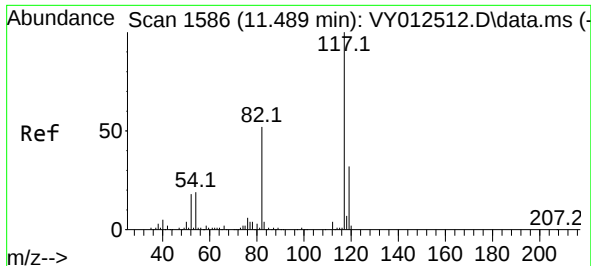
Ion Ratio Lower Upper

95 100

174 94.4 0.0 188.0

176 90.4 0.0 183.6

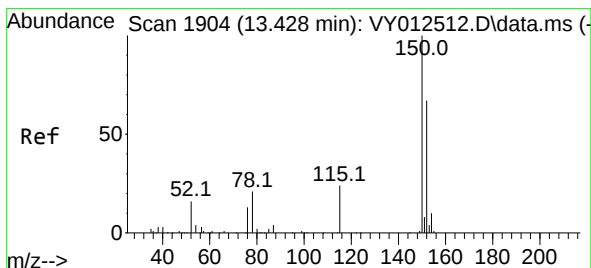
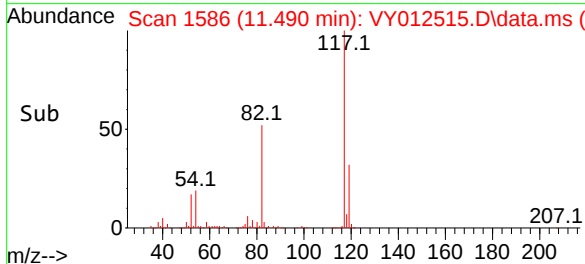
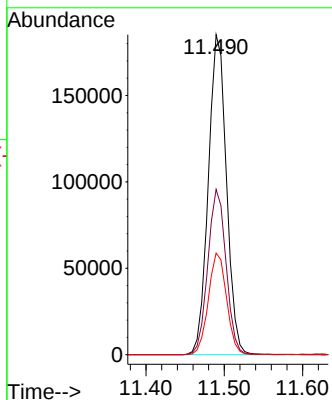
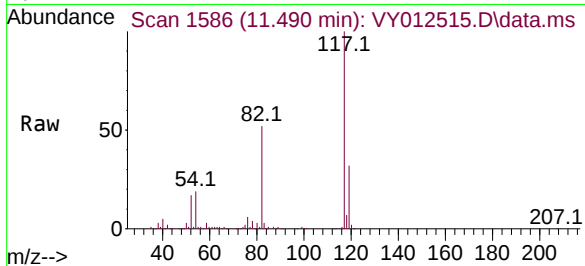




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

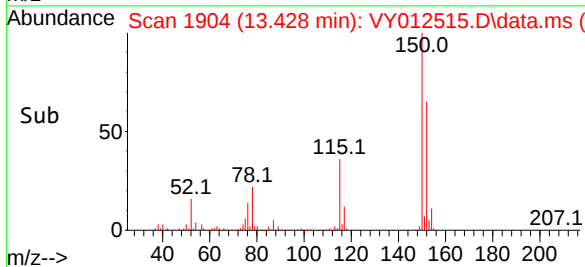
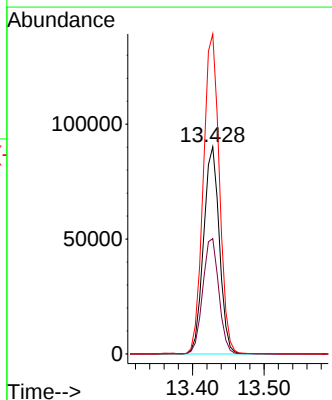
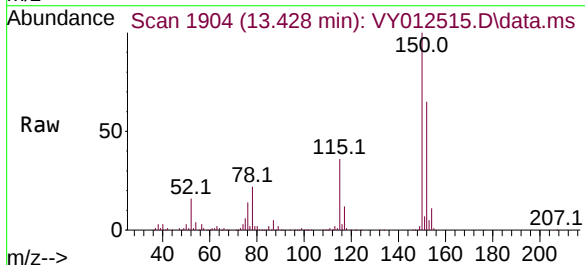
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

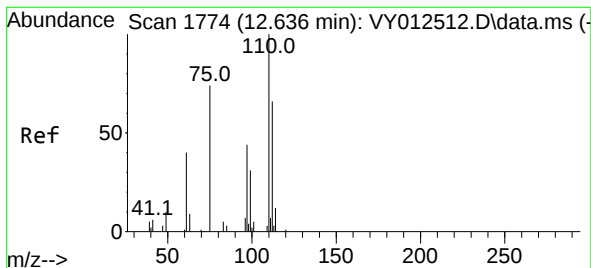
Tgt Ion:117 Resp: 297518
Ion Ratio Lower Upper
117 100
82 51.6 41.7 62.5
119 31.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012515.D
Acq: 07 Feb 2023 12:35

Tgt Ion:152 Resp: 137957
Ion Ratio Lower Upper
152 100
115 57.0 28.1 84.3
150 157.5 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 42.622 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

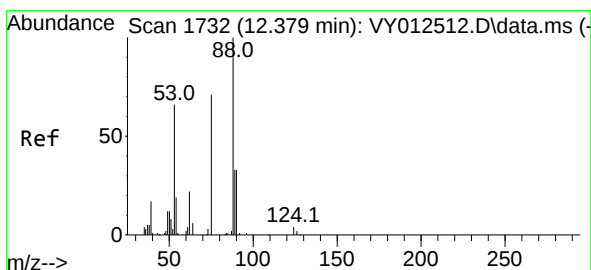
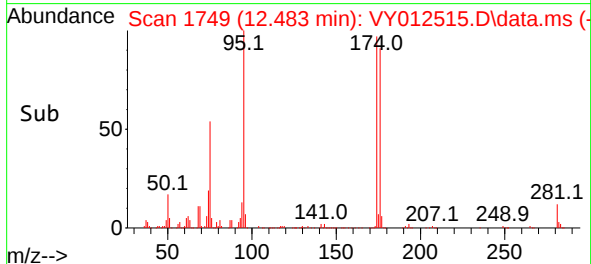
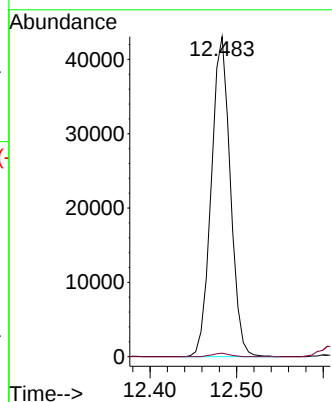
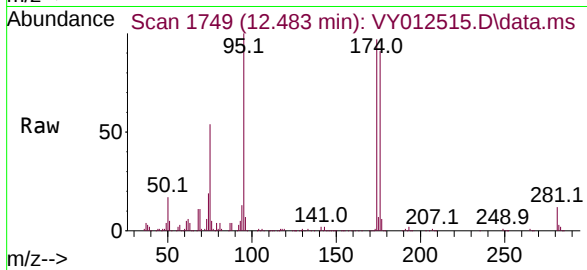
VIBLK

Tgt Ion: 75 Resp: 65694

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.116 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

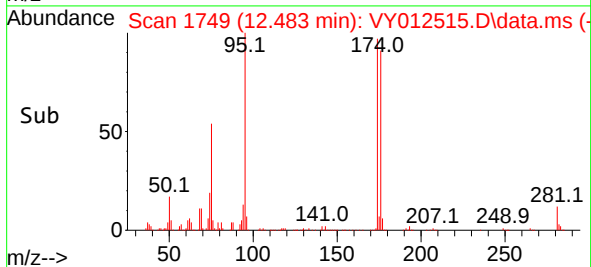
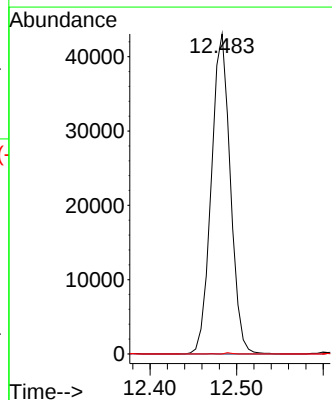
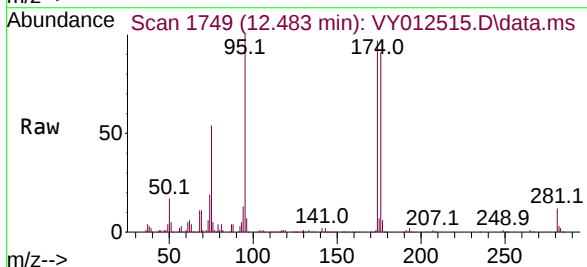
Tgt Ion: 75 Resp: 65694

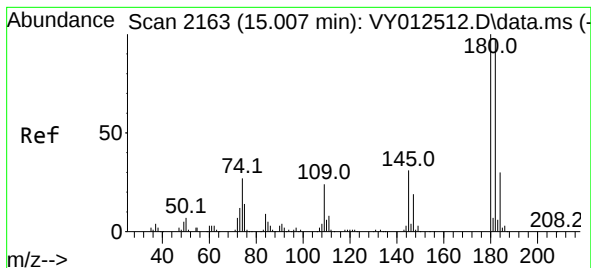
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.1 39.9 59.9#





#93

1,2,4-Trichlorobenzene

Concen: 1.248 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

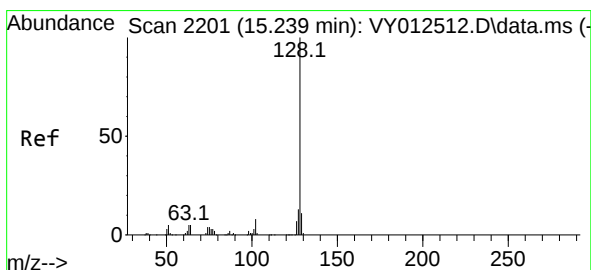
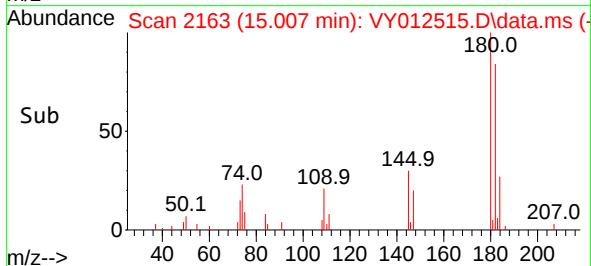
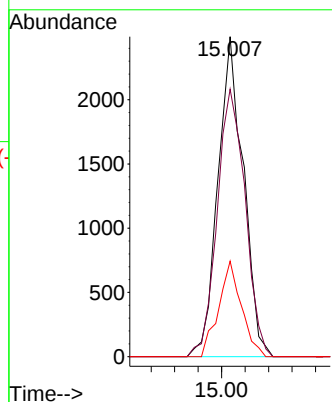
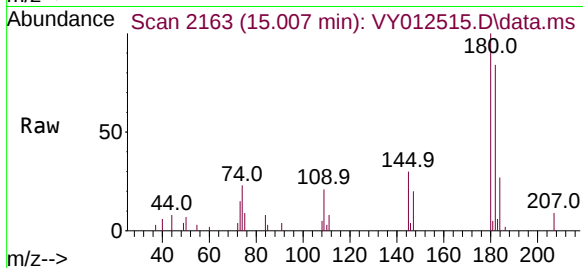
Tgt Ion:180 Resp: 3745

Ion Ratio Lower Upper

180 100

182 91.8 47.7 143.1

145 26.8 15.4 46.4



#95

Naphthalene

Concen: 1.626 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY012515.D

Acq: 07 Feb 2023 12:35

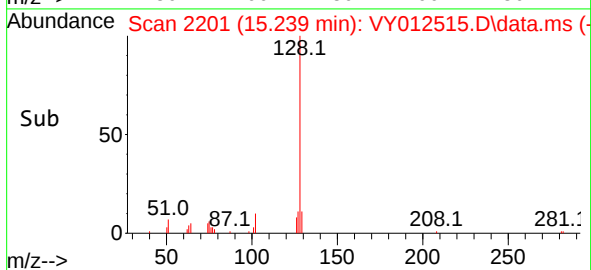
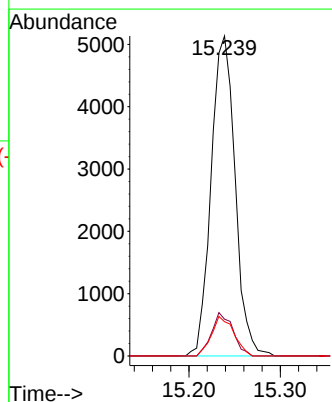
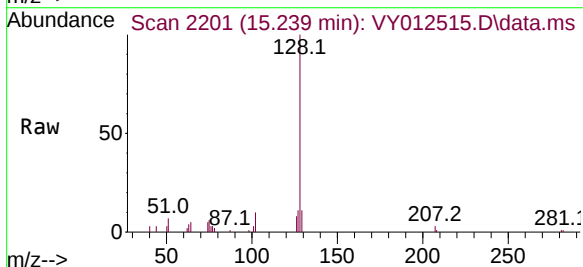
Tgt Ion:128 Resp: 9365

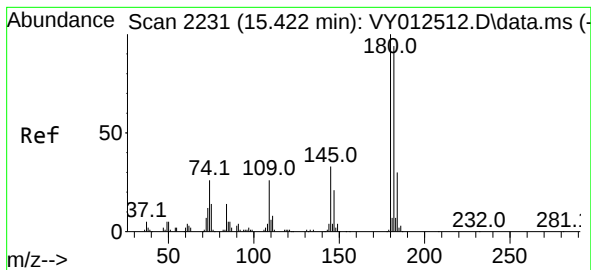
Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

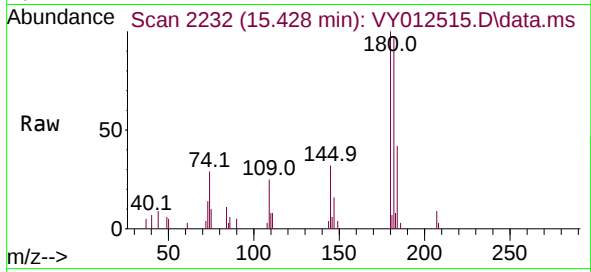
129 11.5 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.421 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY012515.D
 Acq: 07 Feb 2023 12:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	3691
Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	29.7	16.2	48.6

