

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013683.D
 Acq On : 10 May 2023 13:23
 Operator : KP/MD
 Sample : 02690-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-050823RE

Quant Time: May 11 03:26:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

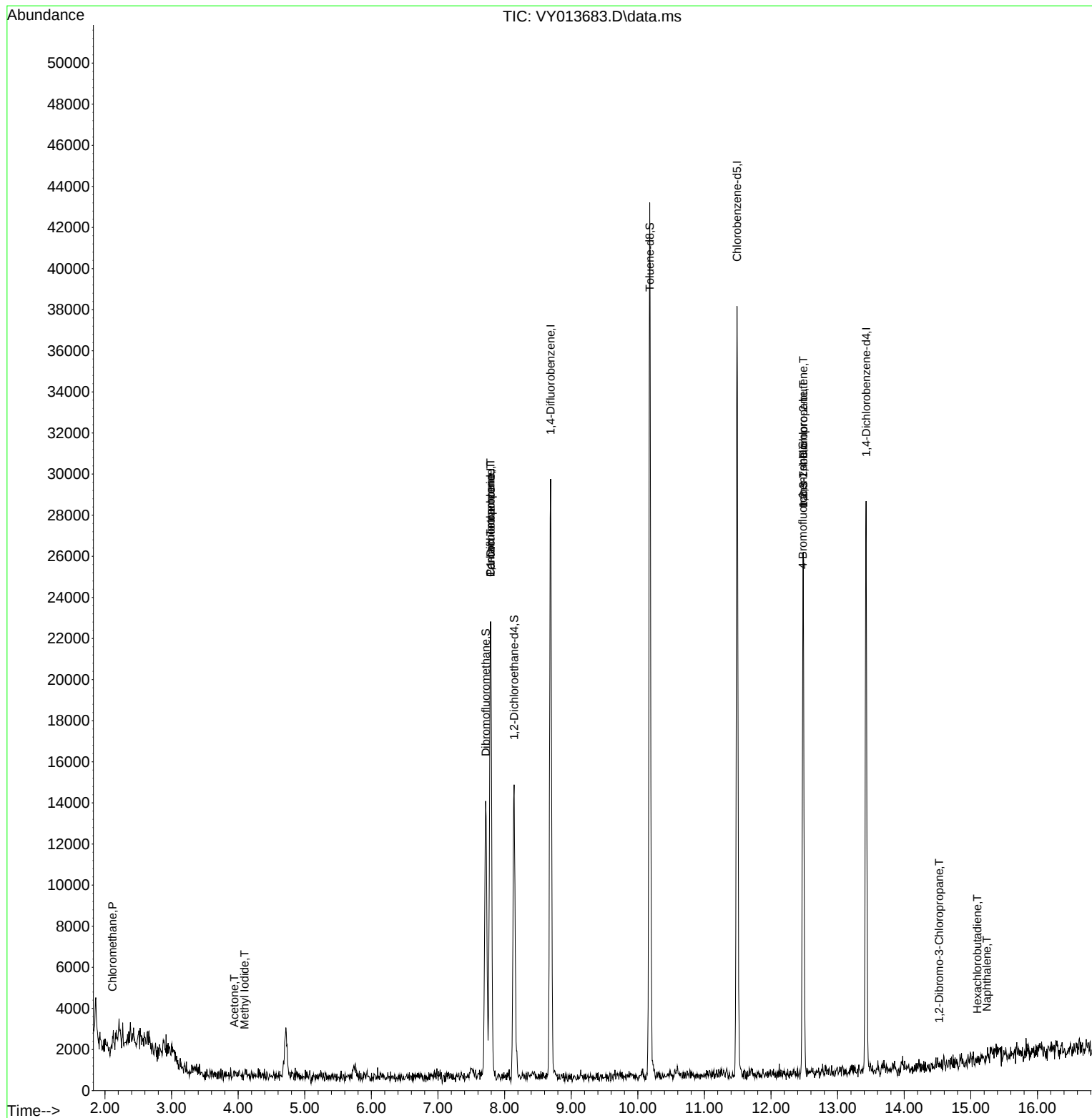
Internal Standards						
1) Pentafluorobenzene	7.789	168	17678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	25163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	11389	58.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.540%			
35) Dibromofluoromethane	7.716	113	9448	59.698	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.400%			
50) Toluene-d8	10.179	98	28402	50.447	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.900%			
62) 4-Bromofluorobenzene	12.477	95	7284	38.376	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.760%			
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	296	1.314	ug/l #	42
10) Methyl Iodide	4.094	142	336	1.404	ug/l #	54
16) Acetone	3.942	43	156	2.044	ug/l #	43
20) Methylene Chloride	4.716	84	1584	Below Cal	#	75
36) 1,1-Dichloropropene	7.789	75	1532	5.833	ug/l #	45
38) Carbon Tetrachloride	7.789	117	1879	6.825	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	3935	39.693	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3935	81.193	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.525	75	28	1.167	ug/l #	1
94) Hexachlorobutadiene	15.099	225	105	1.306	ug/l #	19
95) Naphthalene	15.239	128	400	1.334	ug/l #	75

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

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QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration

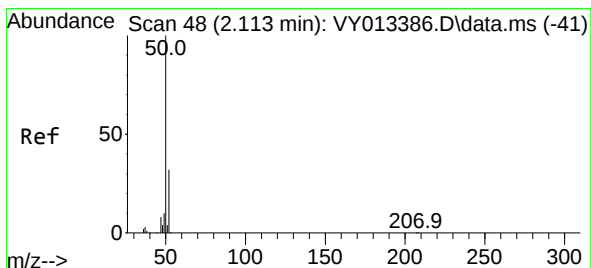
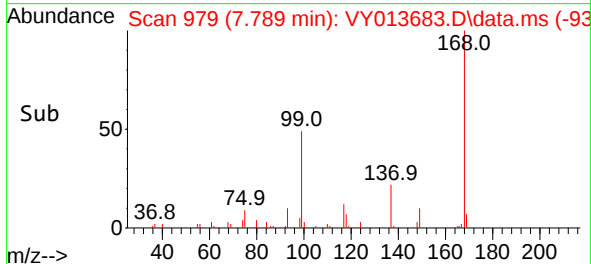
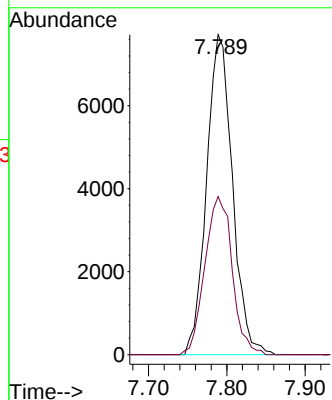
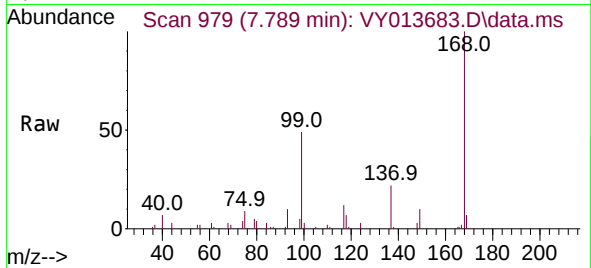




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

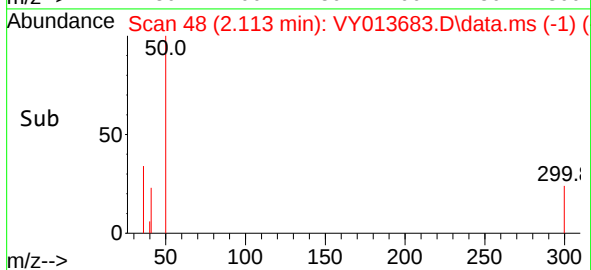
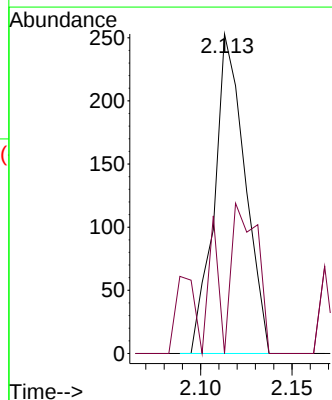
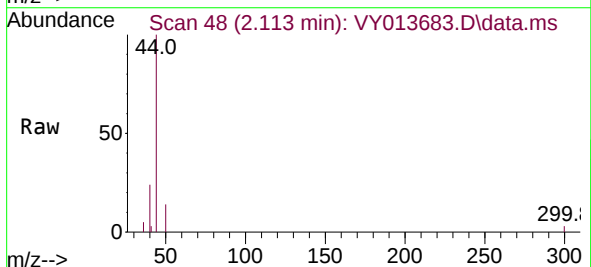
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823RE

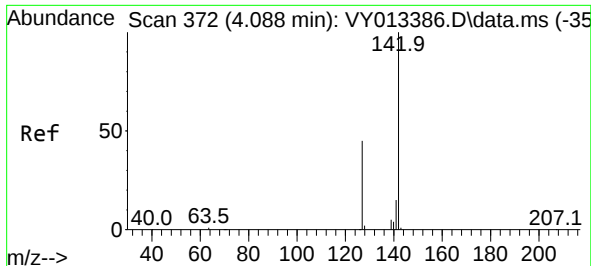
Tgt Ion:168 Resp: 17678
Ion Ratio Lower Upper
168 100
99 49.4 41.8 62.6



#3
Chloromethane
Concen: 1.314 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

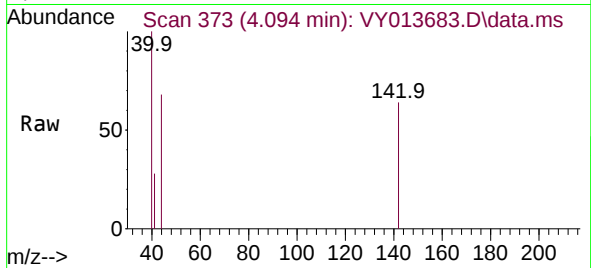
Tgt Ion: 50 Resp: 296
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#



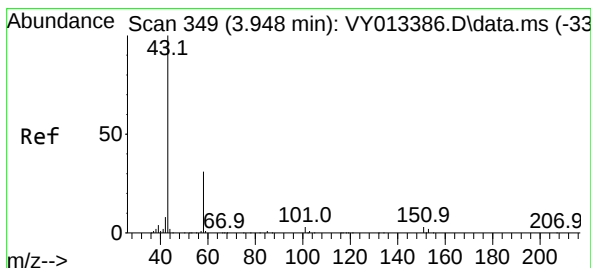
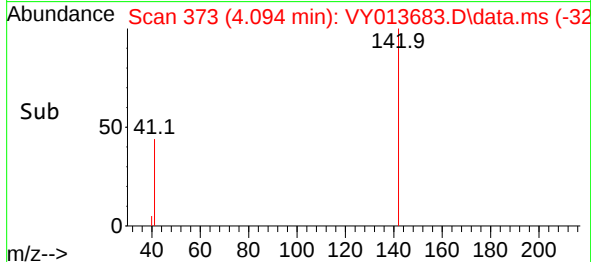
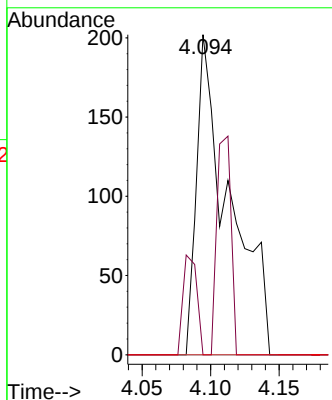


#10
Methyl Iodide
Concen: 1.404 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823RE

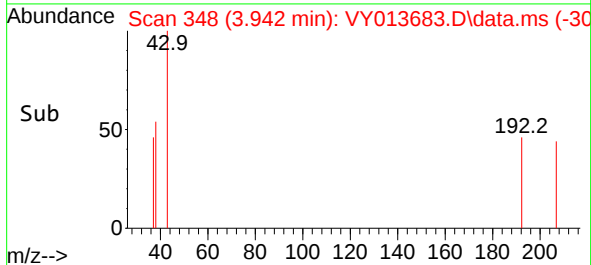
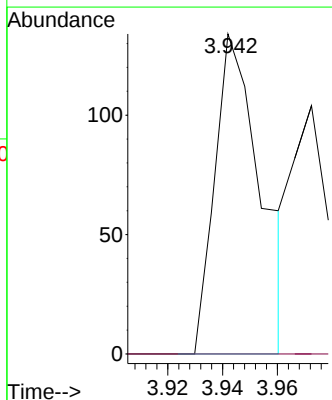
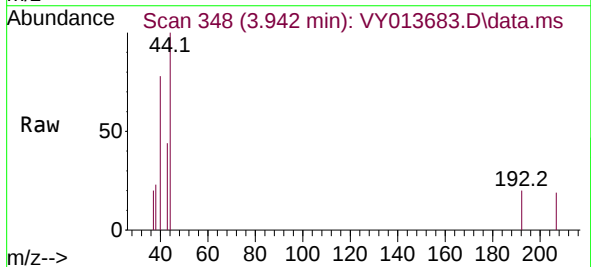


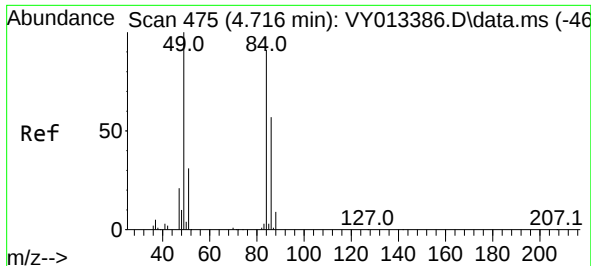
Tgt Ion:142 Resp: 336
Ion Ratio Lower Upper
142 100
127 13.1 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 2.044 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

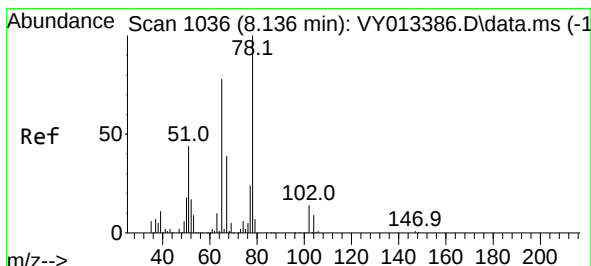
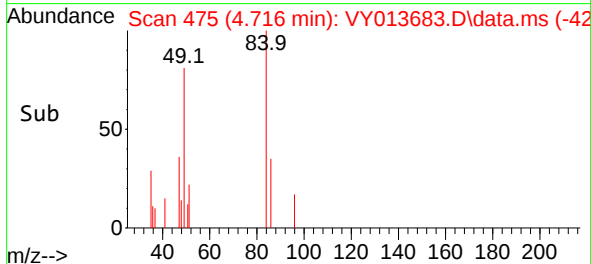
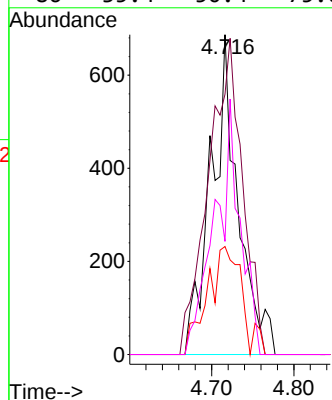
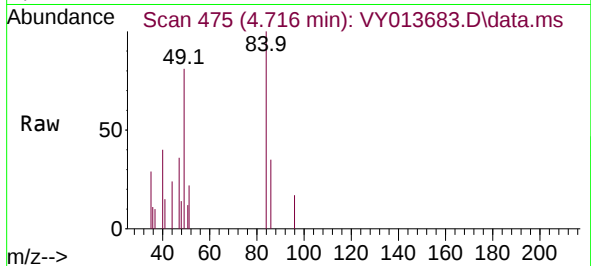




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

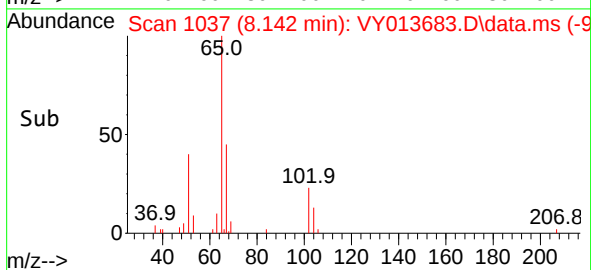
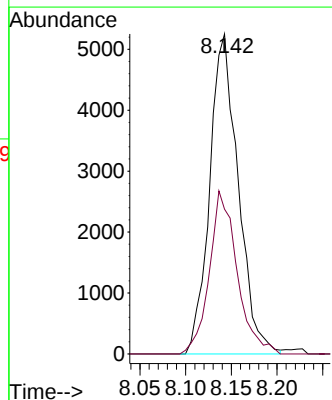
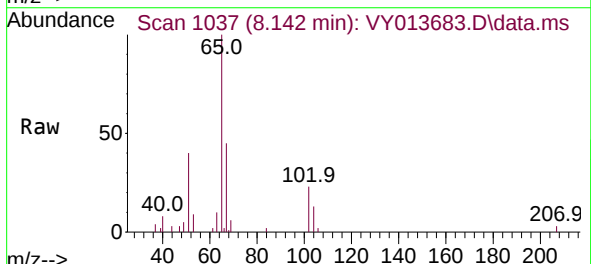
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823RE

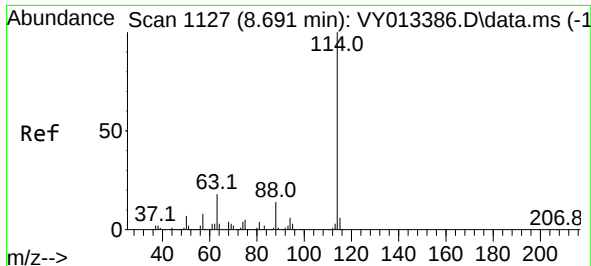
Tgt Ion:	84	Resp:	1584
Ion	Ratio	Lower	Upper
84	100		
49	81.4	88.0	132.0#
51	33.8	27.4	41.0
86	35.4	50.4	75.6#



#33
1,2-Dichloroethane-d4
Concen: 58.770 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

Tgt Ion:	65	Resp:	11389
Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013683.D

Acq: 10 May 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-050823RE

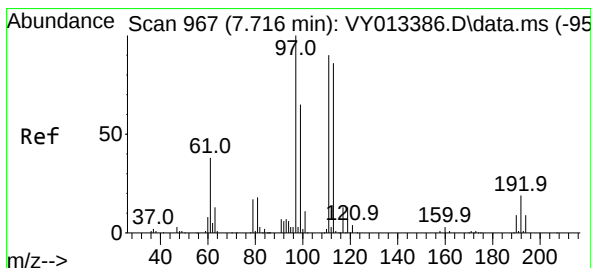
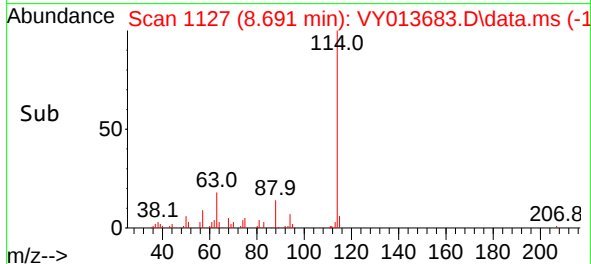
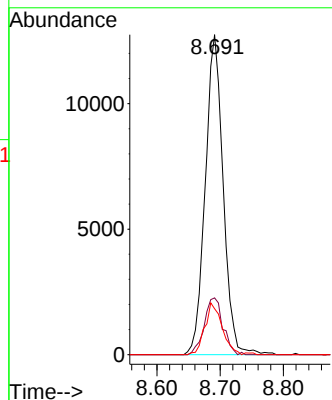
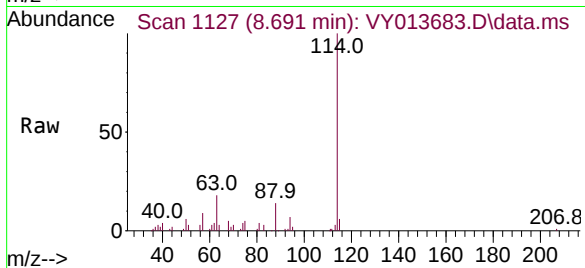
Tgt Ion:114 Resp: 25163

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 59.698 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013683.D

Acq: 10 May 2023 13:23

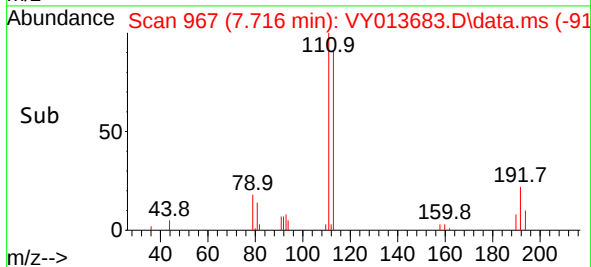
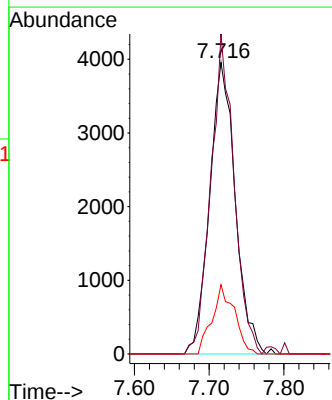
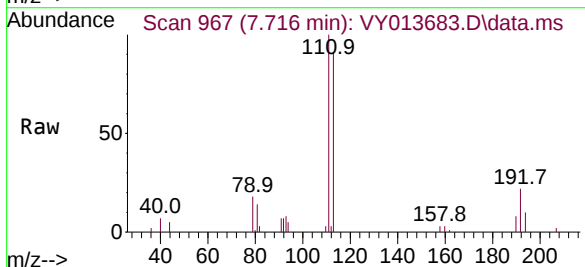
Tgt Ion:113 Resp: 9448

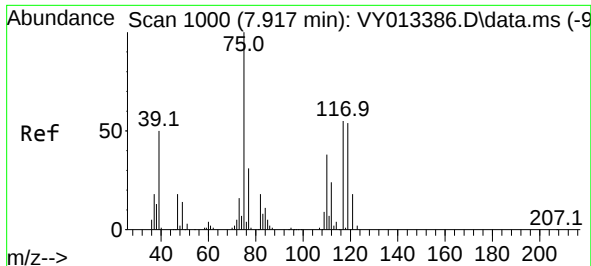
Ion Ratio Lower Upper

113 100

111 99.3 82.2 123.2

192 20.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.833 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013683.D

Acq: 10 May 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-050823RE

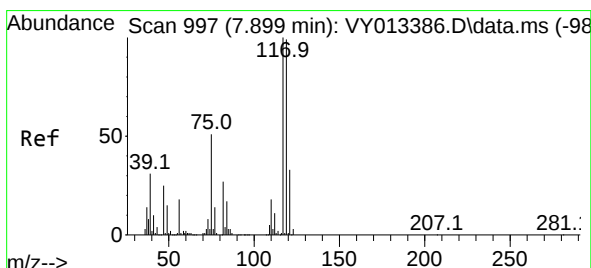
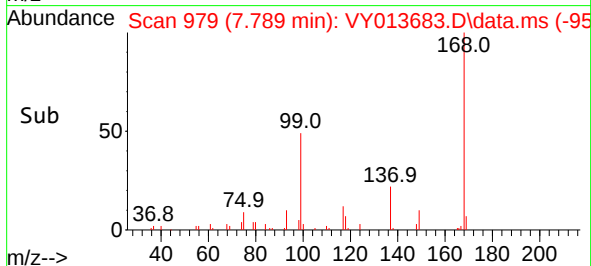
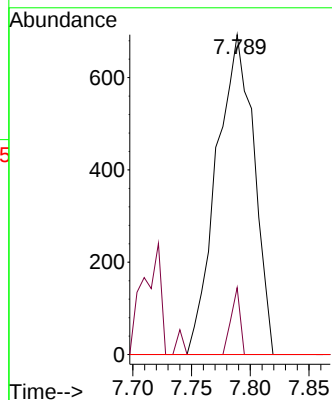
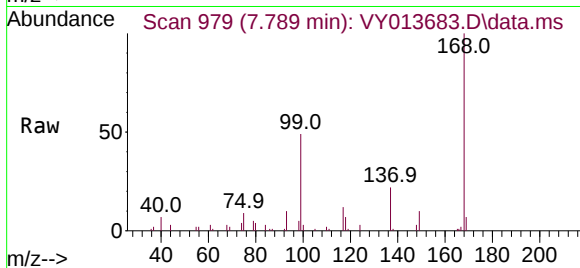
Tgt Ion: 75 Resp: 1532

Ion Ratio Lower Upper

75 100

110 5.2 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.825 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013683.D

Acq: 10 May 2023 13:23

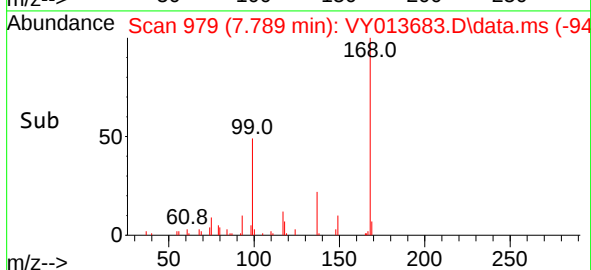
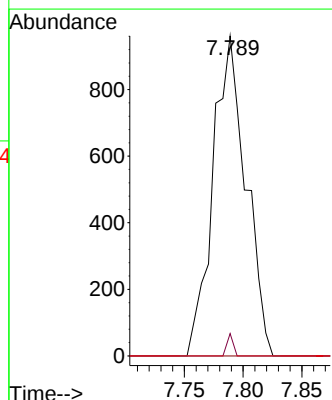
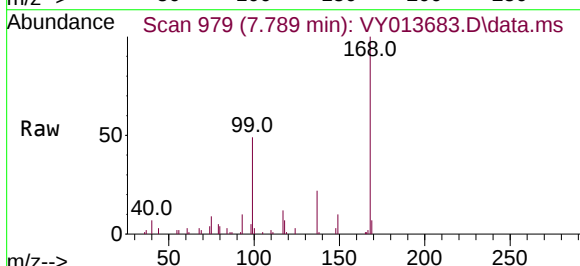
Tgt Ion: 117 Resp: 1879

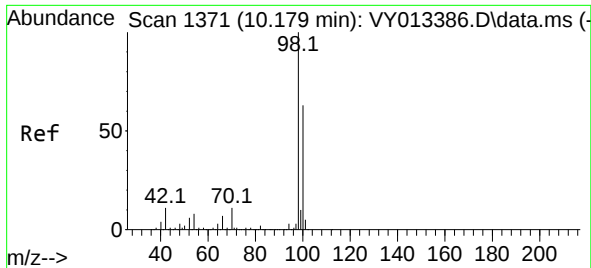
Ion Ratio Lower Upper

117 100

119 7.0 79.0 118.6#

121 0.0 26.6 40.0#

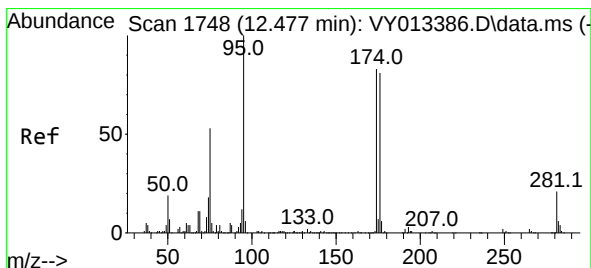
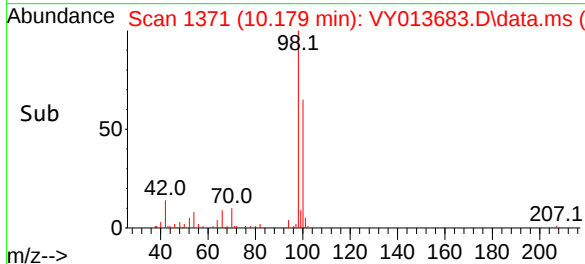
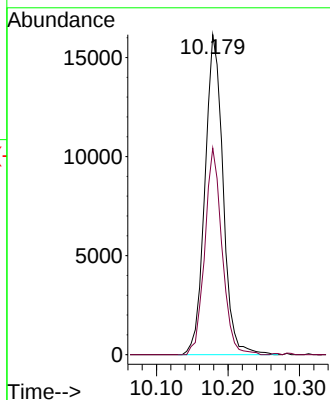
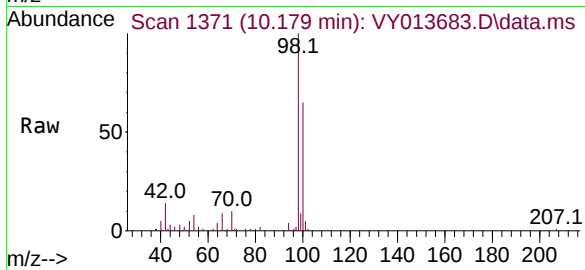




#50
Toluene-d8
Concen: 50.447 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

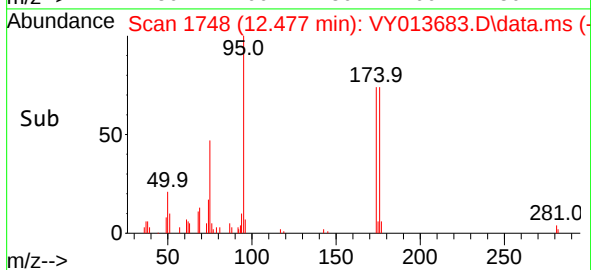
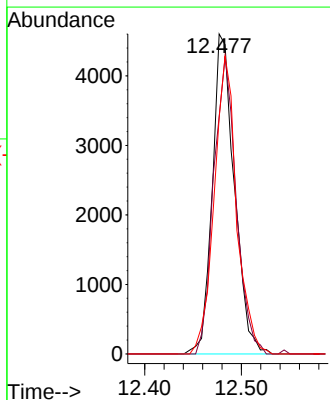
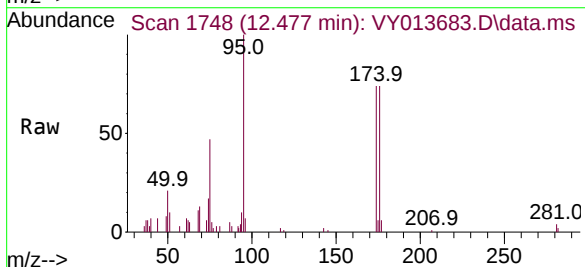
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823RE

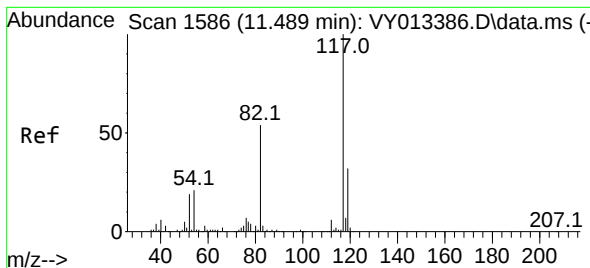
Tgt Ion: 98 Resp: 28402
Ion Ratio Lower Upper
98 100
100 61.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 38.376 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

Tgt Ion: 95 Resp: 7284
Ion Ratio Lower Upper
95 100
174 94.9 0.0 182.0
176 94.5 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013683.D

Acq: 10 May 2023 13:23

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-050823RE

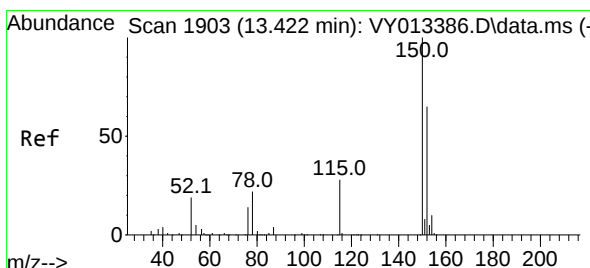
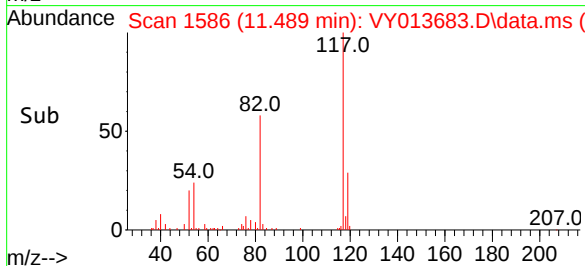
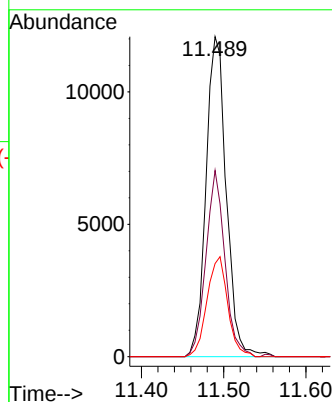
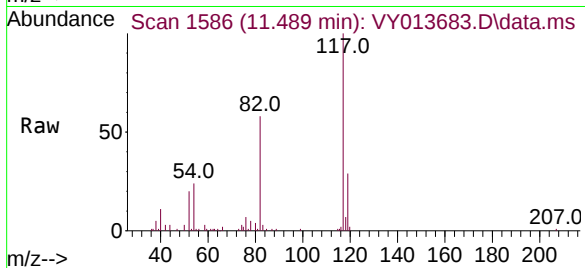
Tgt Ion:117 Resp: 20701

Ion Ratio Lower Upper

117 100

82 58.2 43.0 64.6

119 29.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013683.D

Acq: 10 May 2023 13:23

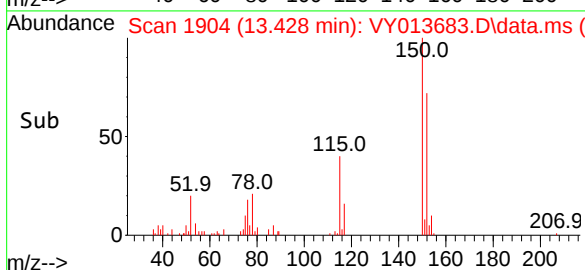
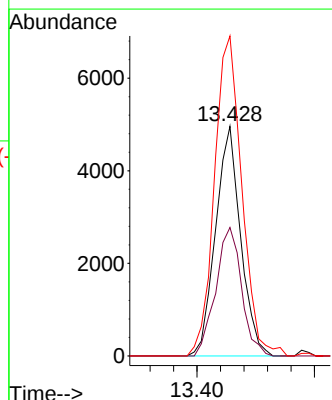
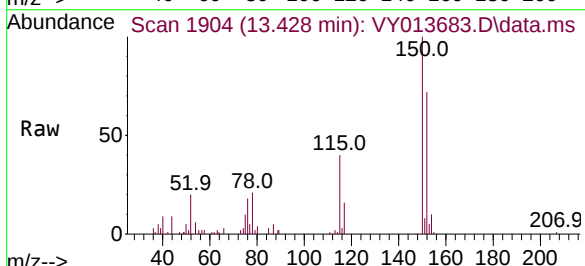
Tgt Ion:152 Resp: 7351

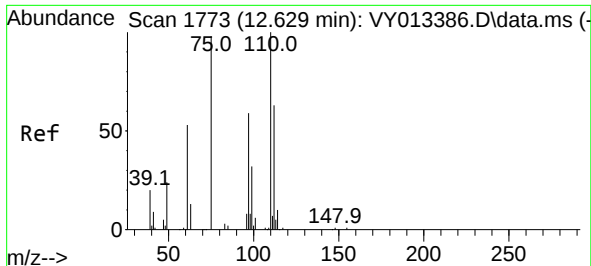
Ion Ratio Lower Upper

152 100

115 57.7 28.1 84.2

150 152.0 0.0 352.0

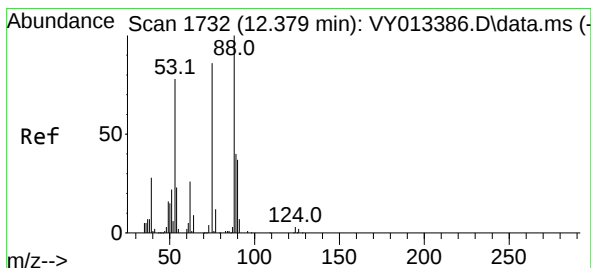
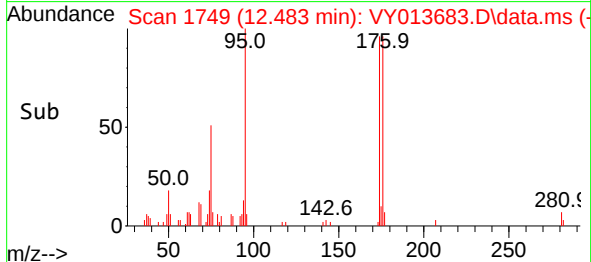
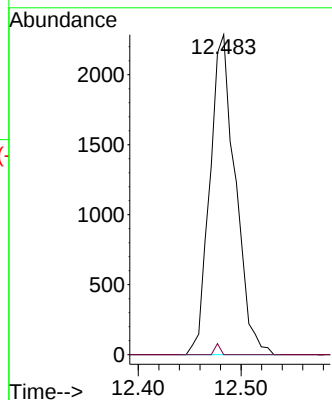
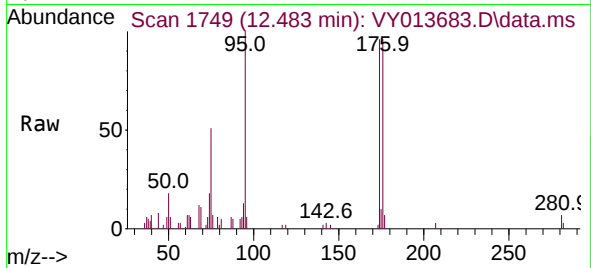




#76
1,2,3-Trichloropropane
Concen: 39.693 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

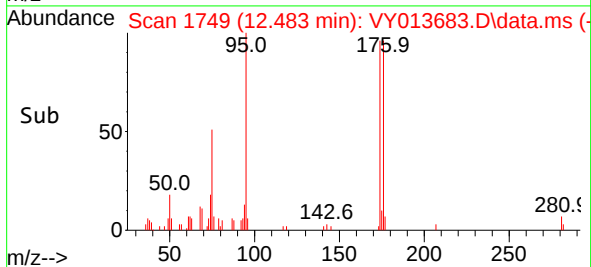
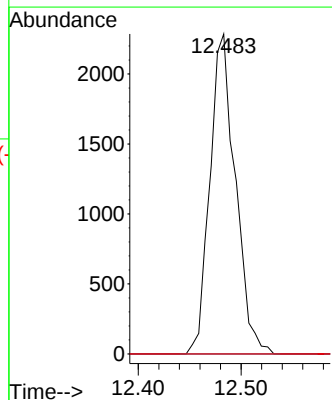
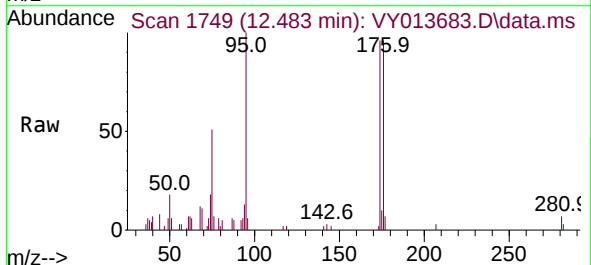
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823RE

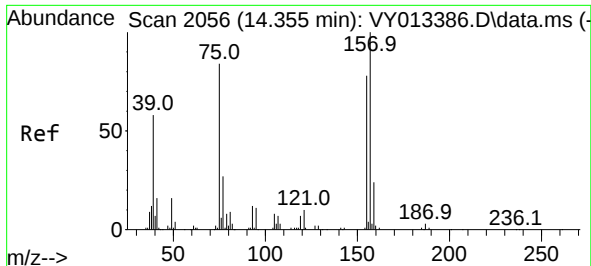
Tgt Ion: 75 Resp: 3935
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.193 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

Tgt Ion: 75 Resp: 3935
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

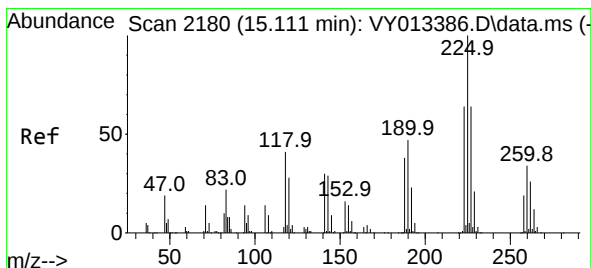
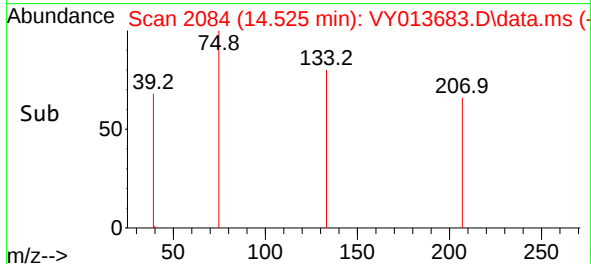
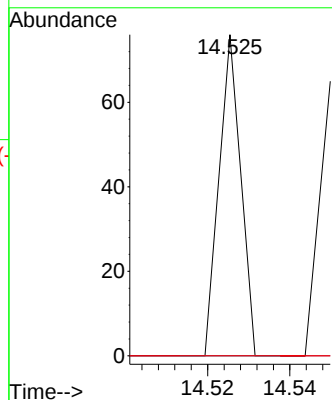
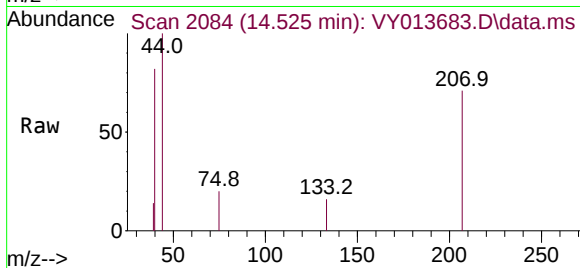




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.167 ug/l
RT: 14.525 min Scan# 2056
Delta R.T. 0.170 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

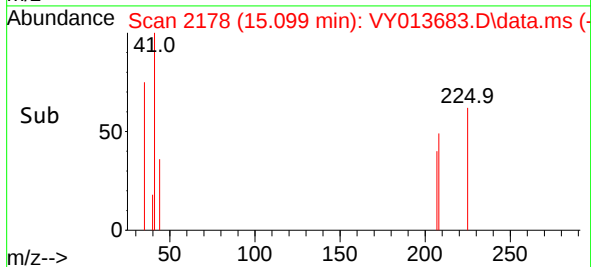
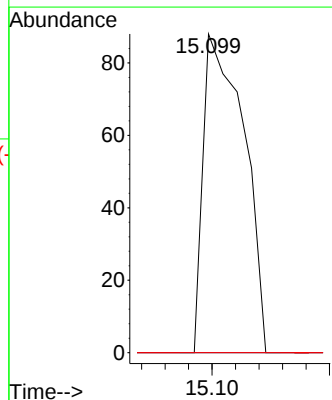
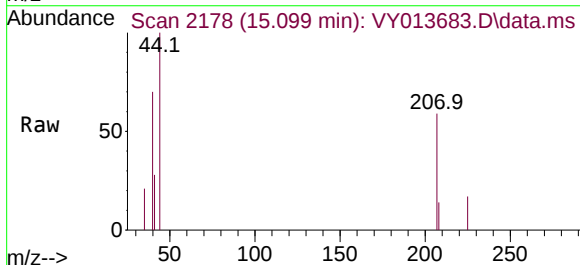
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823RE

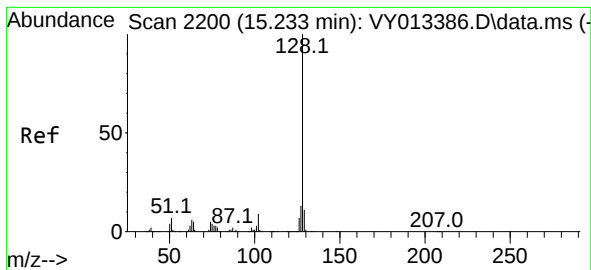
Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
155 0.0 44.6 134.0#
157 0.0 57.6 172.7#



#94
Hexachlorobutadiene
Concen: 1.306 ug/l
RT: 15.099 min Scan# 2178
Delta R.T. -0.013 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

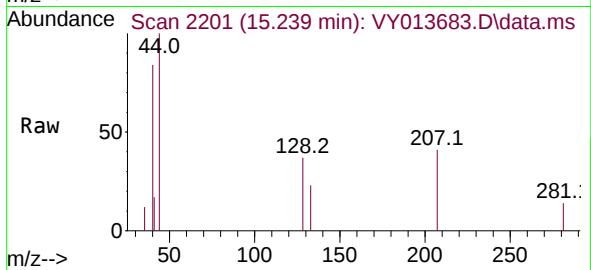
Tgt Ion: 225 Resp: 105
Ion Ratio Lower Upper
225 100
223 0.0 31.4 94.2#
227 0.0 32.0 96.0#





#95
Naphthalene
Concen: 1.334 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013683.D
Acq: 10 May 2023 13:23

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823RE



Tgt Ion:128 Resp: 400
Ion Ratio Lower Upper
128 100
127 5.0 10.7 16.1#
129 0.0 8.8 13.2#

