

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013684.D
 Acq On : 10 May 2023 13:46
 Operator : KP/MD
 Sample : 02723-01
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-7.5-050923

Quant Time: May 11 03:26:30 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)

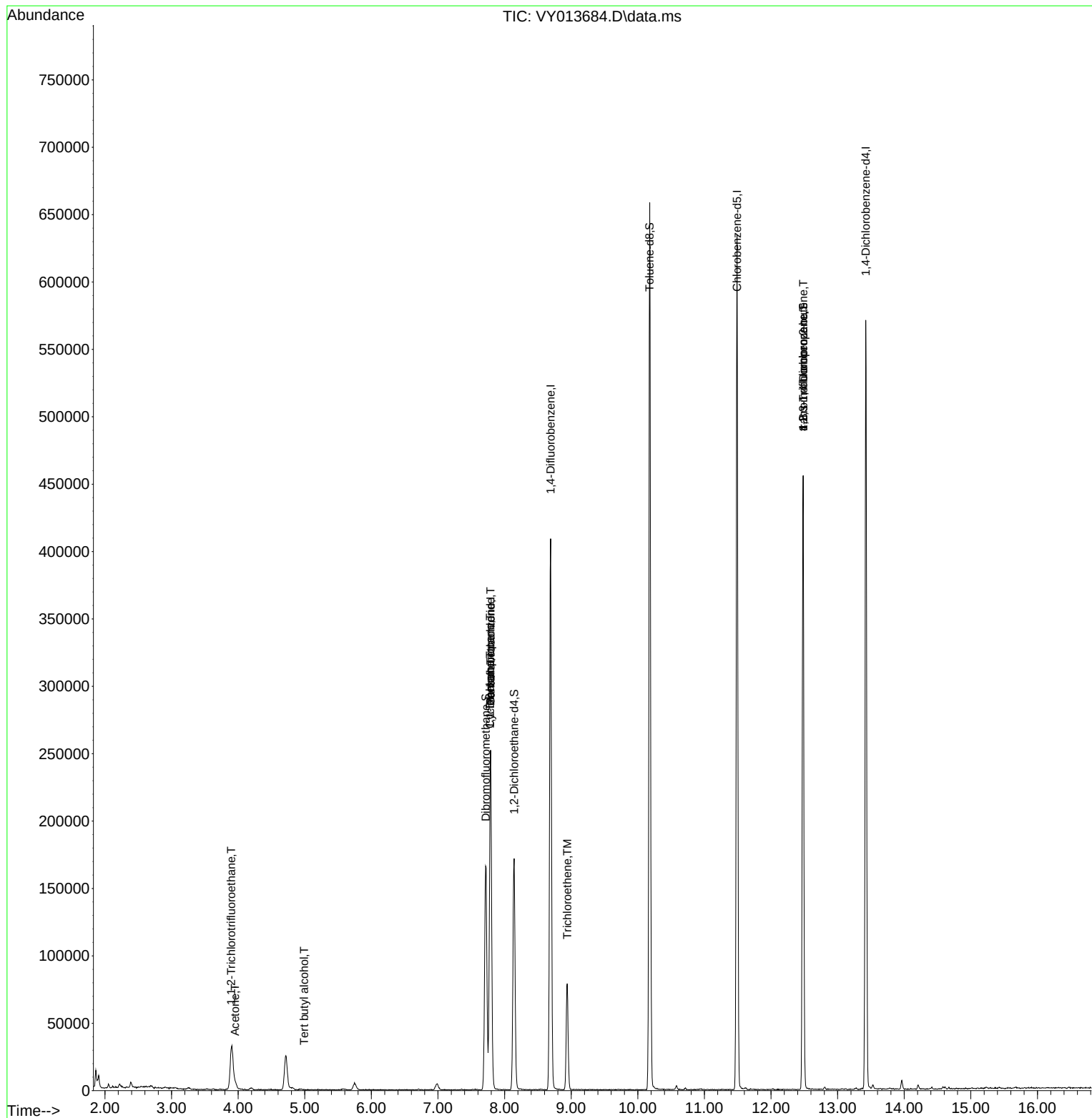
Internal Standards						
1) Pentafluorobenzene	7.789	168	196861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	335058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	149384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	140779	65.235	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.460%	
35) Dibromofluoromethane	7.716	113	117117	55.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.160%	
50) Toluene-d8	10.179	98	412478	55.021	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.040%	
62) 4-Bromofluorobenzene	12.483	95	130643	51.692	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.380%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	3.893	101	20416	9.619	ug/l	97
11) Tert butyl alcohol	4.991	59	152	1.274	ug/l #	89
13) Acrolein	3.723	56	115	Below Cal	#	16
16) Acetone	3.954	43	9745	11.467	ug/l #	87
20) Methylene Chloride	4.716	84	18343	Below Cal	#	82
31) Cyclohexane	7.783	56	4446	1.151	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	14613	4.178	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19015	5.187	ug/l #	15
44) Trichloroethene	8.941	130	27829	10.619	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	70655	35.071	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	70655	71.740	ug/l #	13

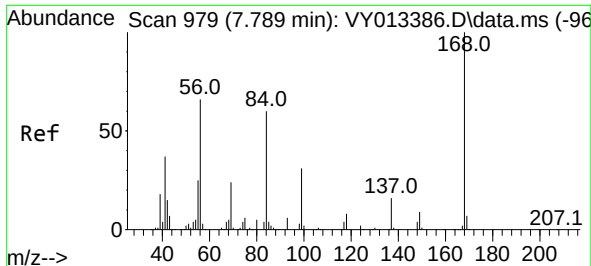
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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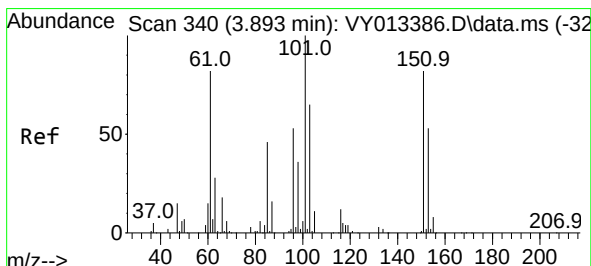
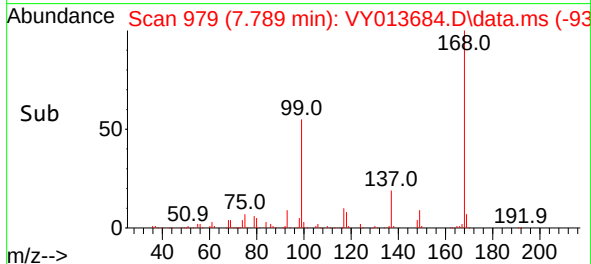
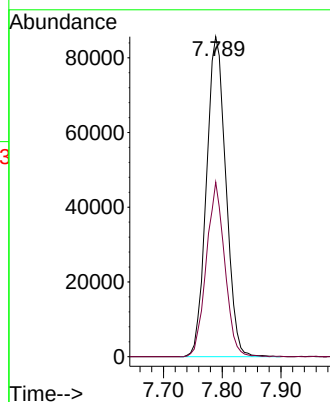
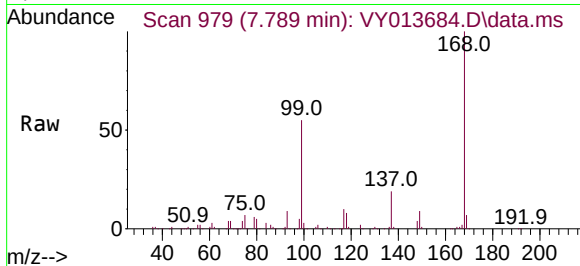




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

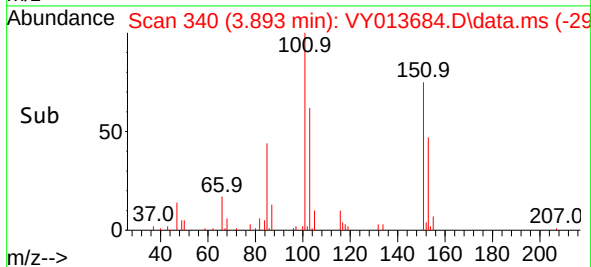
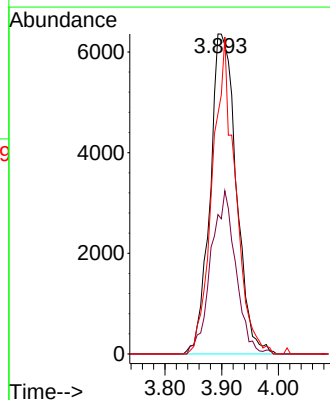
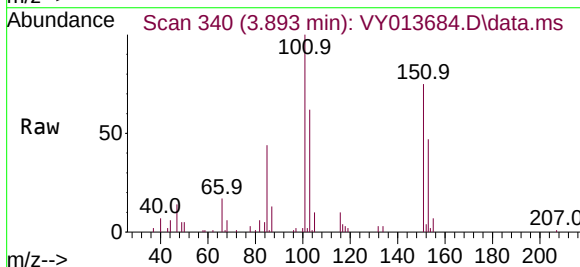
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-7.5-050923

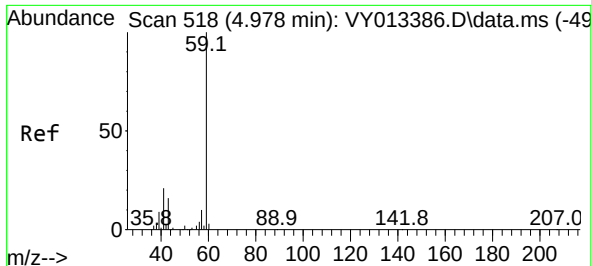
Tgt Ion:168 Resp: 196861
Ion Ratio Lower Upper
168 100
99 54.6 41.8 62.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.619 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.000 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

Tgt Ion:101 Resp: 20416
Ion Ratio Lower Upper
101 100
85 48.0 35.6 53.4
151 86.5 68.0 102.0





#11

Tert butyl alcohol

Concen: 1.274 ug/l

RT: 4.991 min Scan# 51

Delta R.T. 0.013 min

Lab File: VY013684.D

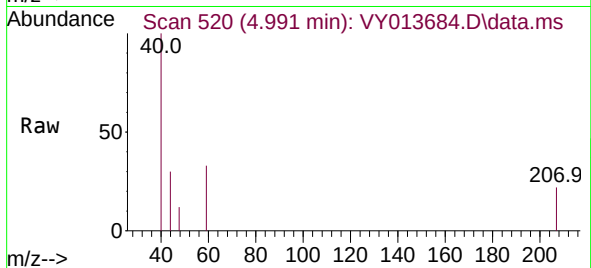
Acq: 10 May 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-7.5-050923

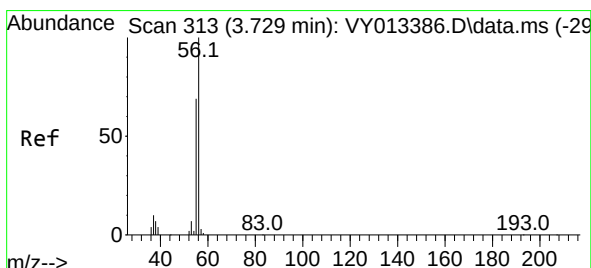
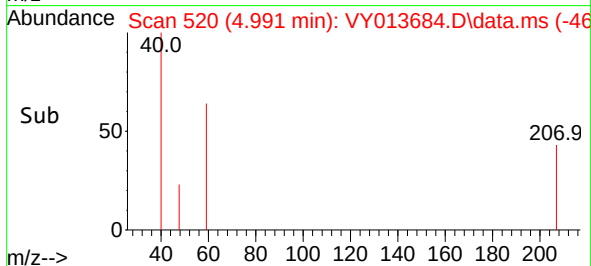
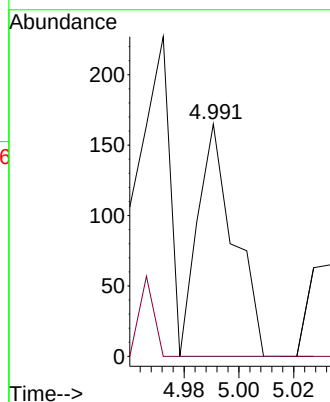


Tgt Ion: 59 Resp: 152

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#13

Acrolein

Concen: Below Cal

RT: 3.723 min Scan# 312

Delta R.T. -0.006 min

Lab File: VY013684.D

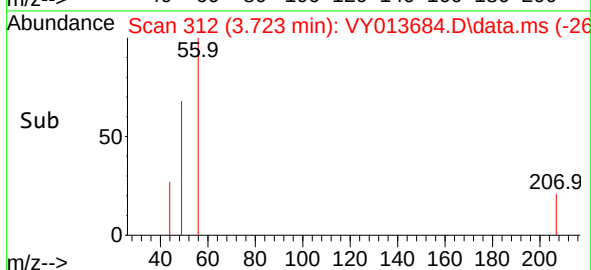
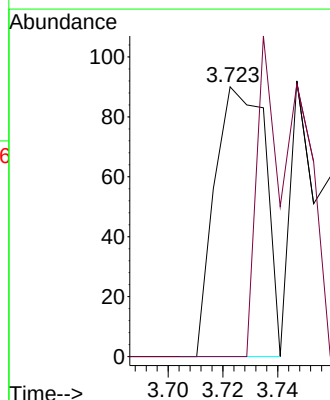
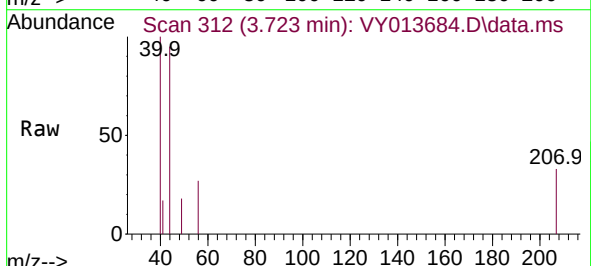
Acq: 10 May 2023 13:46

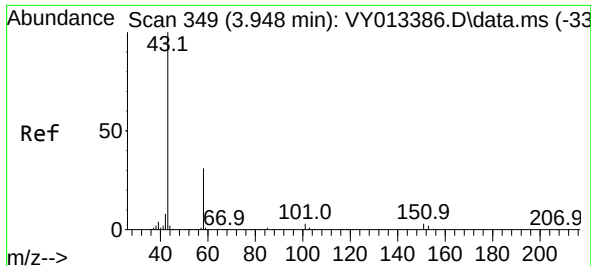
Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#





#16

Acetone

Concen: 11.467 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY013684.D

Acq: 10 May 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

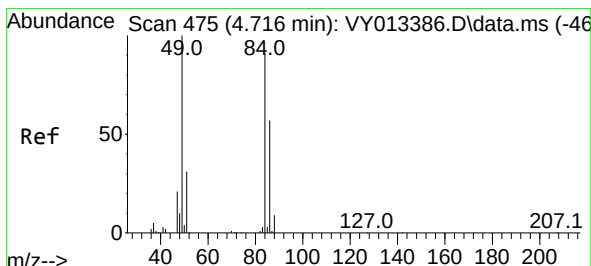
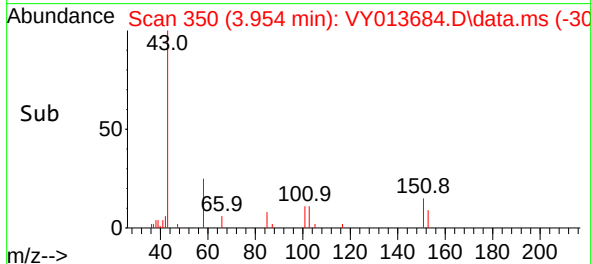
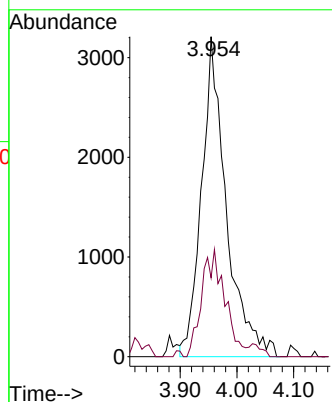
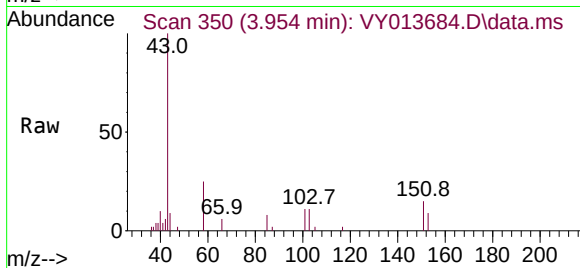
CB-14-G1-SO-7.5-050923

Tgt Ion: 43 Resp: 9745

Ion Ratio Lower Upper

43 100

58 24.6 25.4 38.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013684.D

Acq: 10 May 2023 13:46

Tgt Ion: 84 Resp: 18343

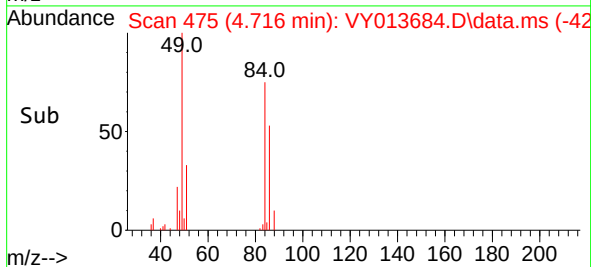
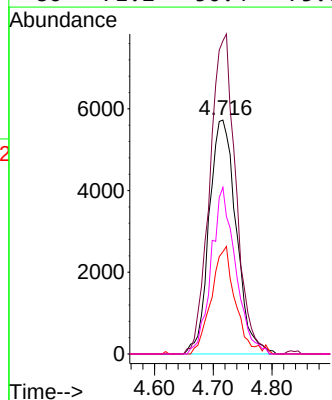
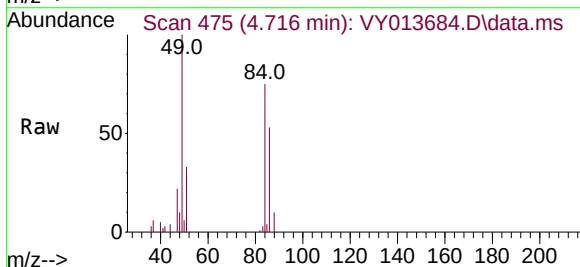
Ion Ratio Lower Upper

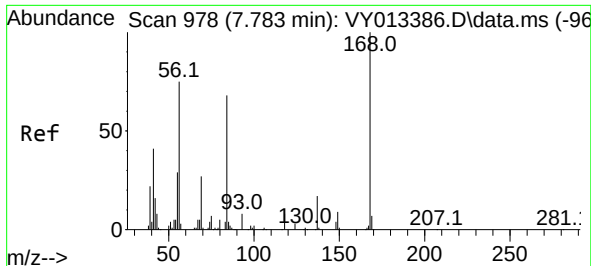
84 100

49 133.9 88.0 132.0#

51 43.7 27.4 41.0#

86 71.2 50.4 75.6

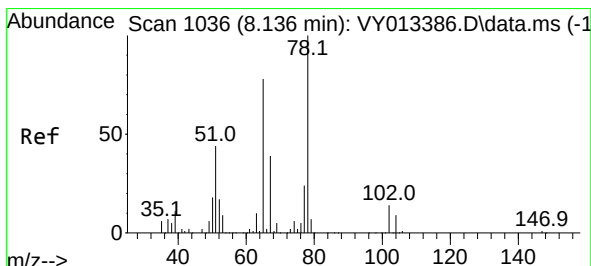
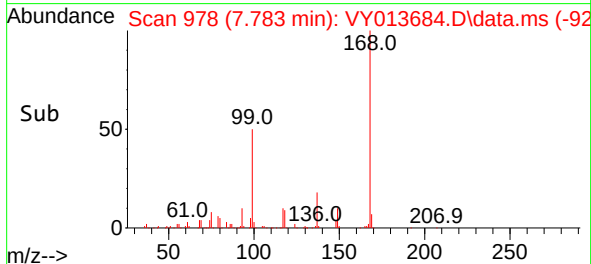
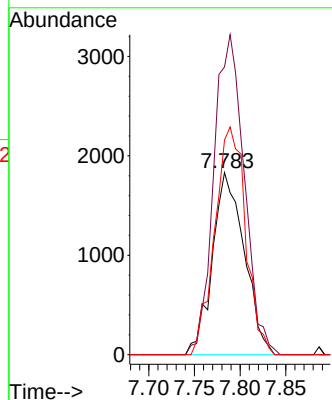
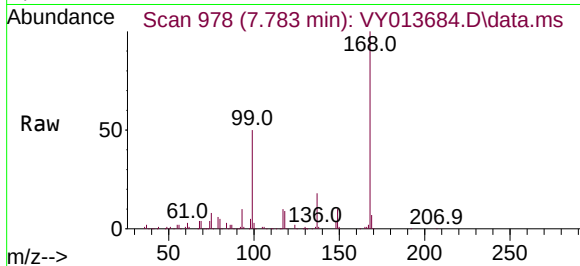




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

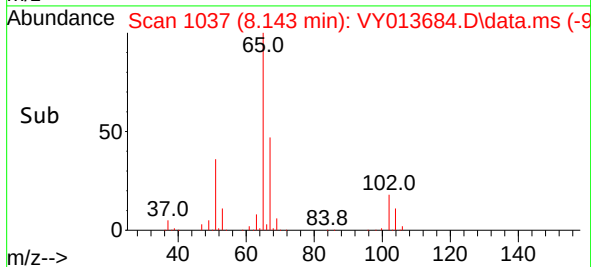
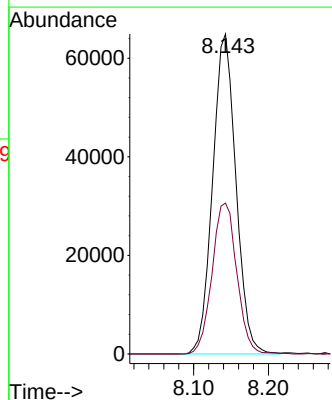
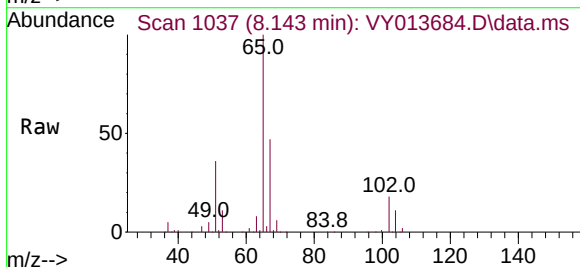
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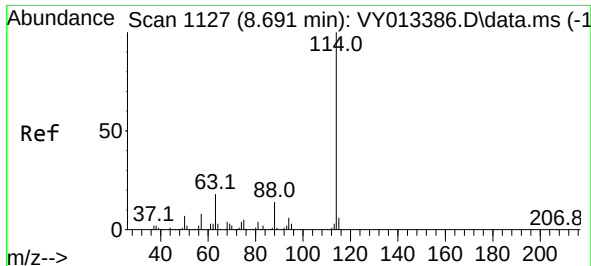
Tgt Ion: 56 Resp: 4446
Ion Ratio Lower Upper
56 100
69 158.1 29.2 43.8#
84 118.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 65.235 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

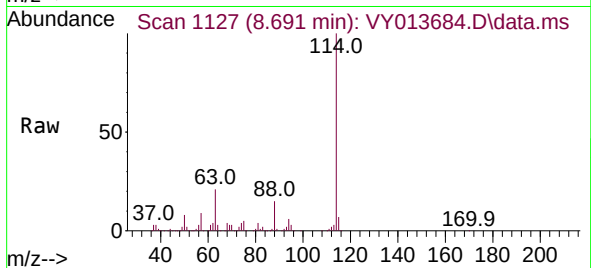
Tgt Ion: 65 Resp: 140779
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.4



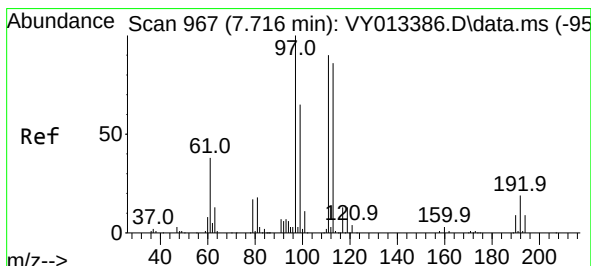
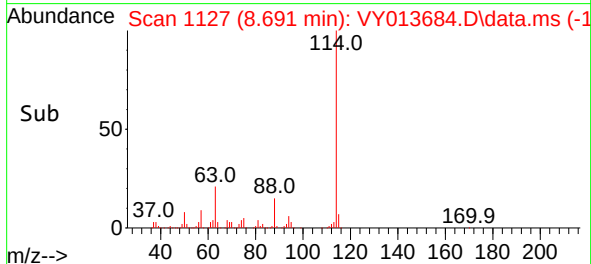
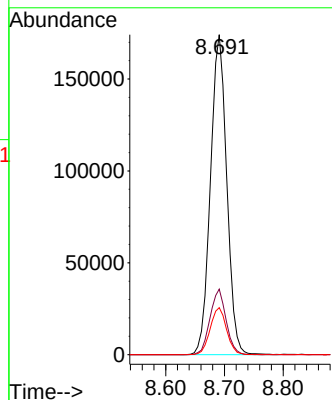


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-7.5-050923

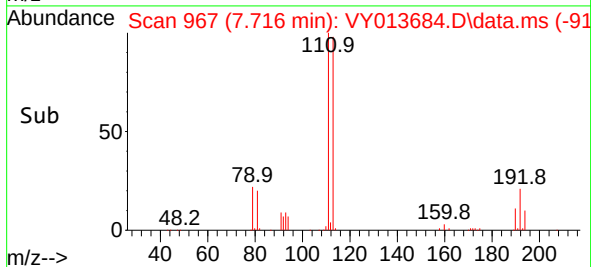
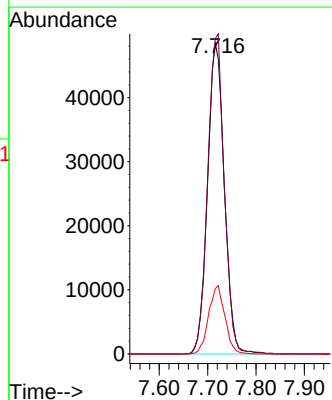
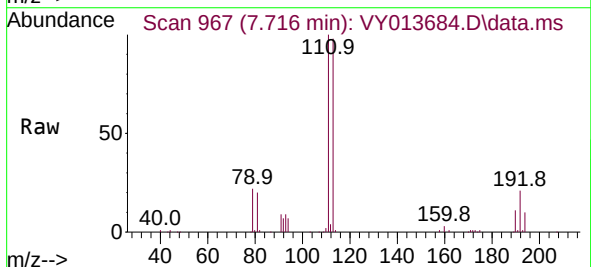


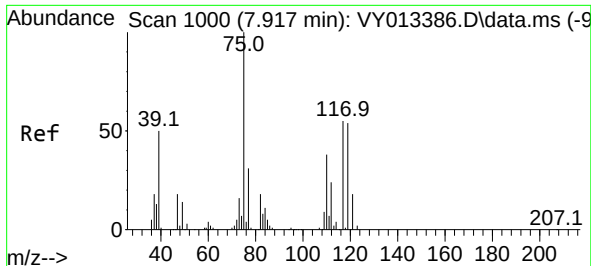
Tgt Ion:114 Resp: 335058
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.6
88 14.7 0.0 28.8



#35
Dibromofluoromethane
Concen: 55.575 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

Tgt Ion:113 Resp: 117117
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 21.3 16.7 25.1

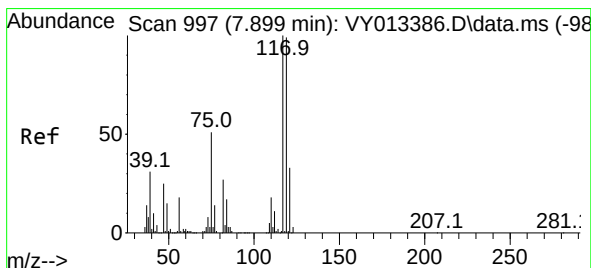
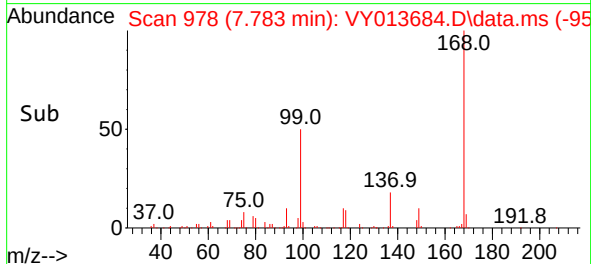
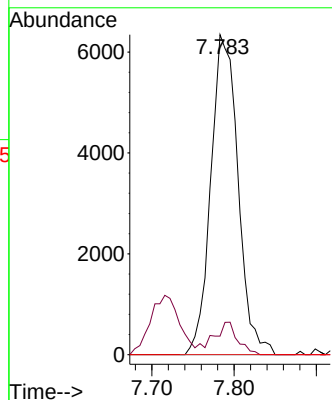
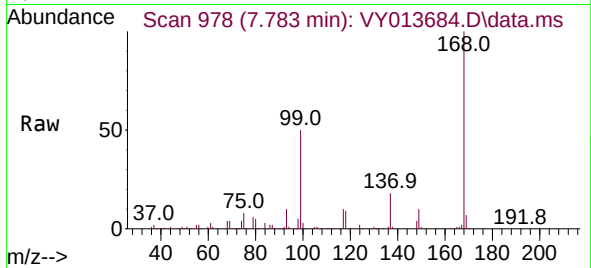




#36
1,1-Dichloropropene
Concen: 4.178 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

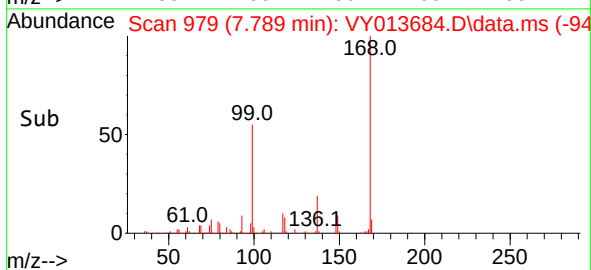
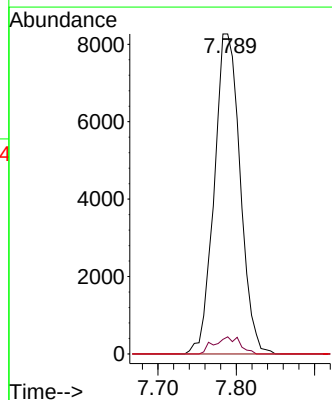
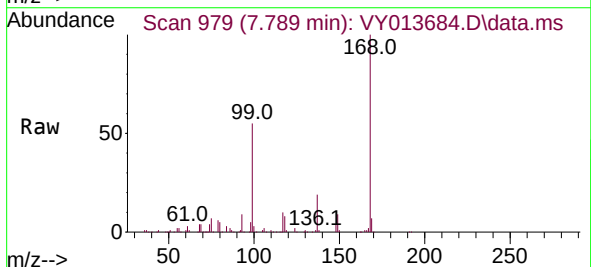
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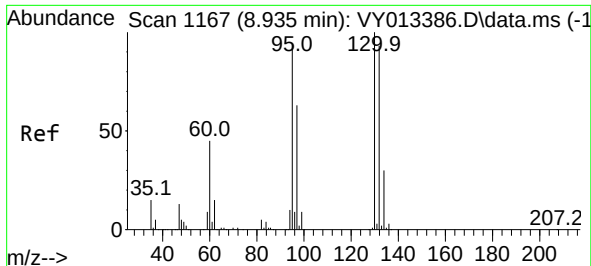
Tgt Ion: 75 Resp: 14613
Ion Ratio Lower Upper
75 100
110 9.1 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

Tgt Ion: 117 Resp: 19015
Ion Ratio Lower Upper
117 100
119 5.4 79.0 118.6#
121 0.0 26.6 40.0#

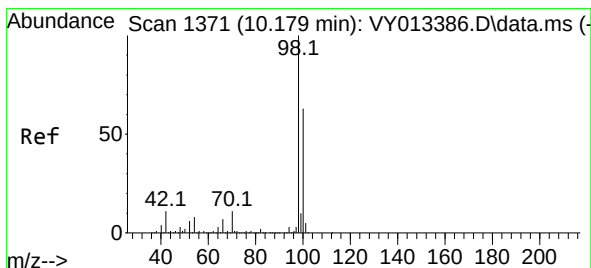
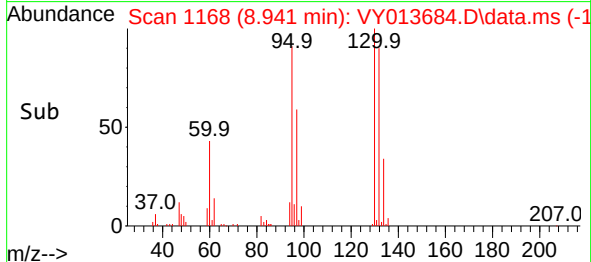
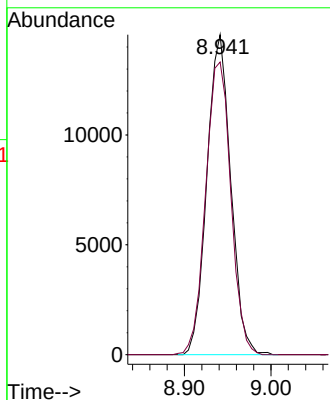
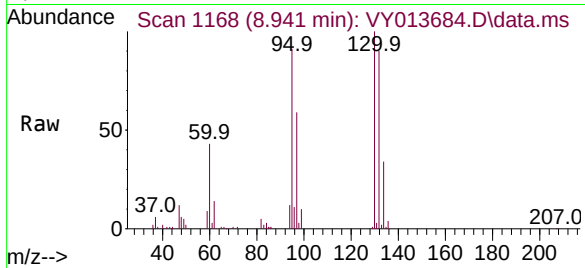




#44
Trichloroethene
Concen: 10.619 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

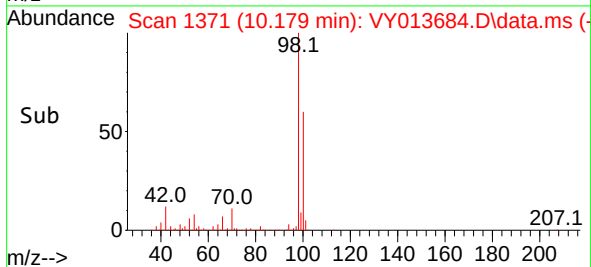
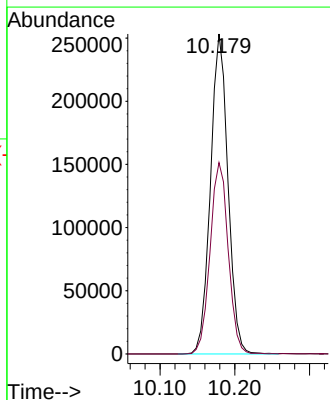
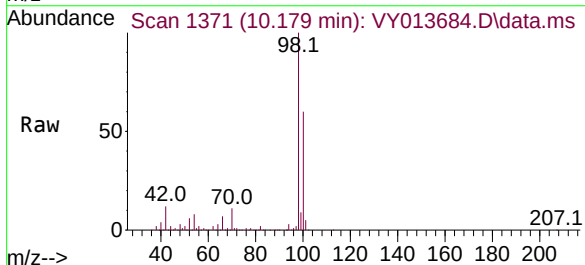
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-7.5-050923

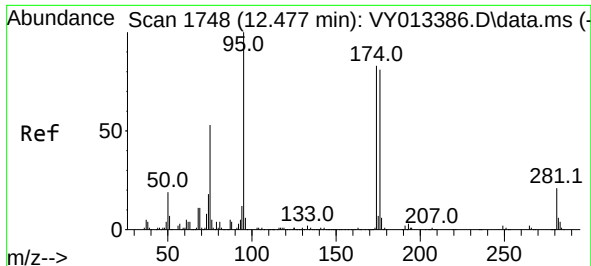
Tgt Ion:130 Resp: 27829
Ion Ratio Lower Upper
130 100
95 91.4 0.0 188.8



#50
Toluene-d8
Concen: 55.021 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013684.D
Acq: 10 May 2023 13:46

Tgt Ion: 98 Resp: 412478
Ion Ratio Lower Upper
98 100
100 61.9 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 51.692 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013684.D

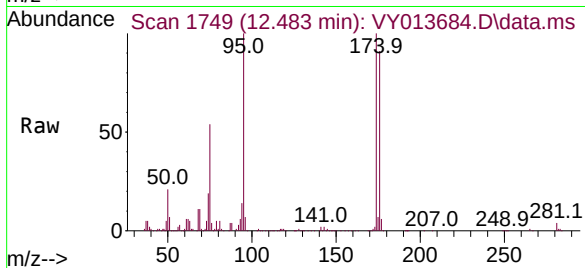
Acq: 10 May 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-7.5-050923



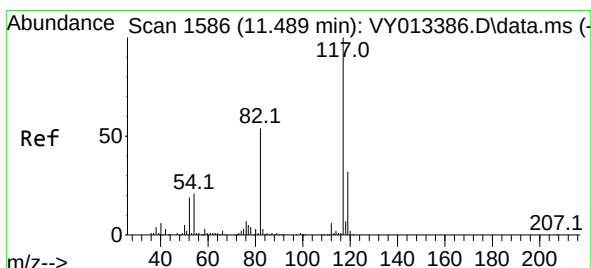
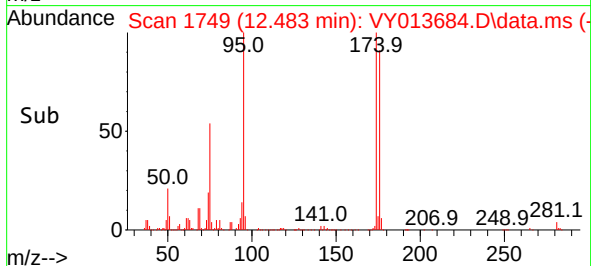
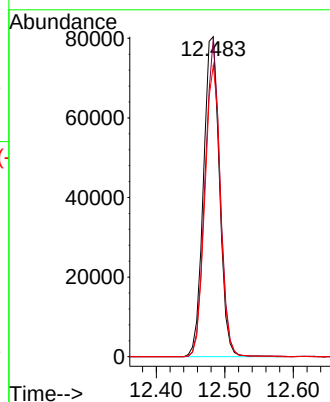
Tgt Ion: 95 Resp: 130643

Ion Ratio Lower Upper

95 100

174 93.6 0.0 182.0

176 89.0 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013684.D

Acq: 10 May 2023 13:46

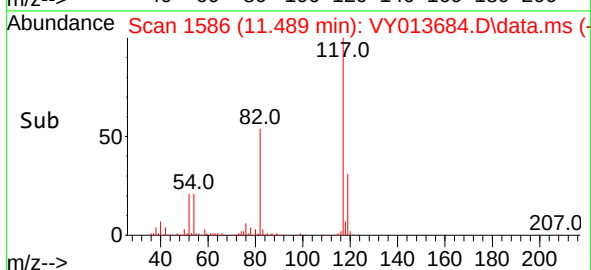
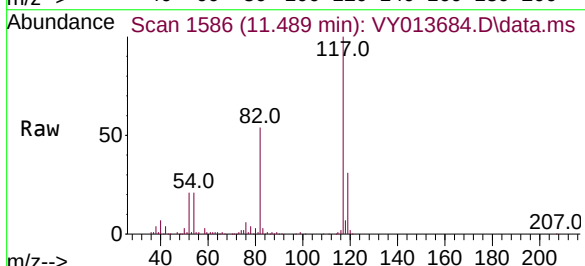
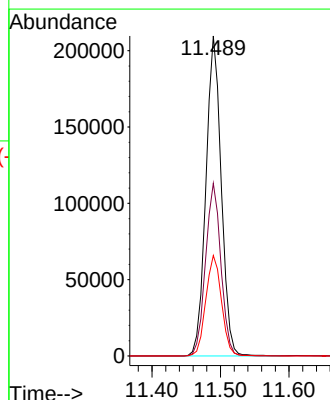
Tgt Ion: 117 Resp: 326671

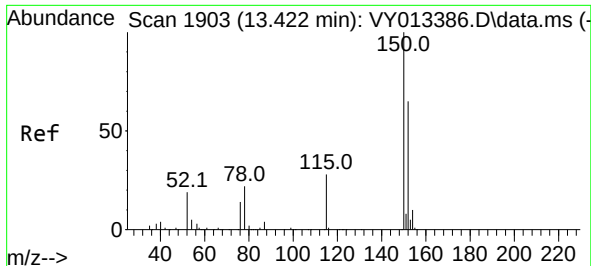
Ion Ratio Lower Upper

117 100

82 54.0 43.0 64.6

119 31.4 25.5 38.3

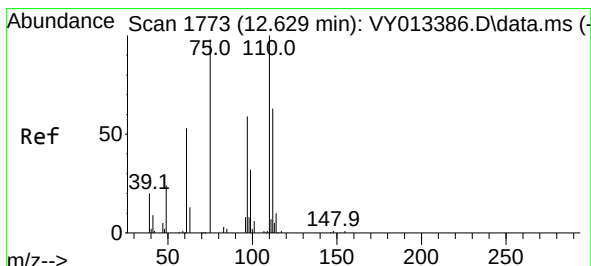
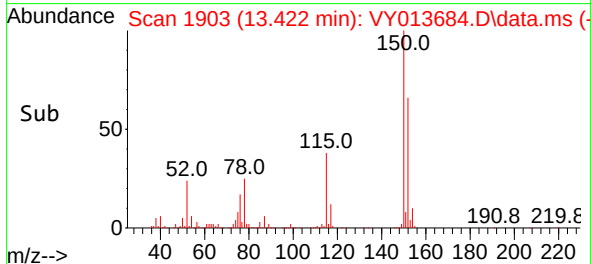
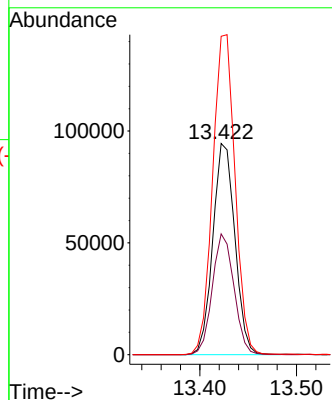
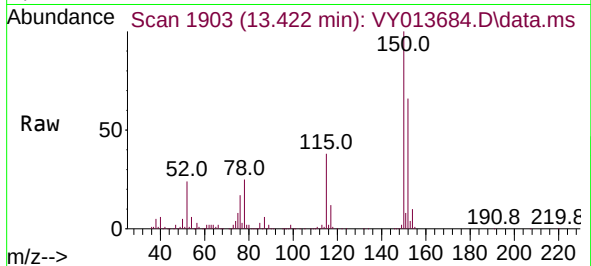




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013684.D
 Acq: 10 May 2023 13:46

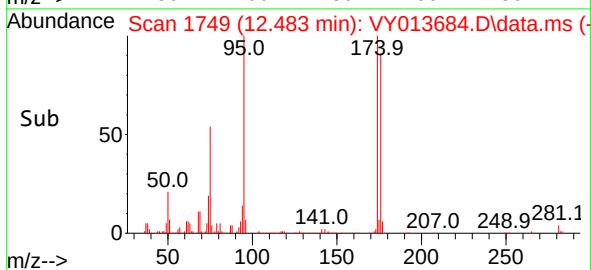
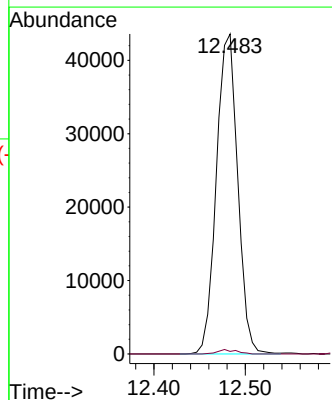
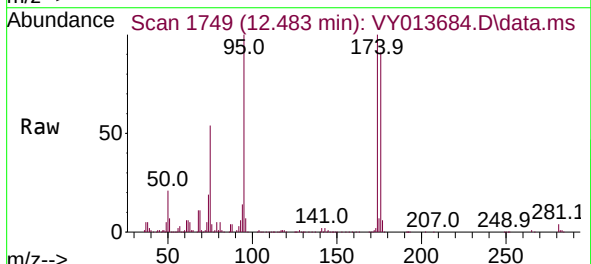
Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-7.5-050923

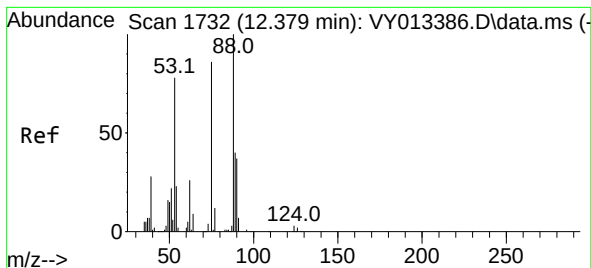
Tgt Ion:152 Resp: 149384
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.1 84.2
 150 154.4 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 35.071 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY013684.D
 Acq: 10 May 2023 13:46

Tgt Ion: 75 Resp: 70655
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.740 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY013684.D

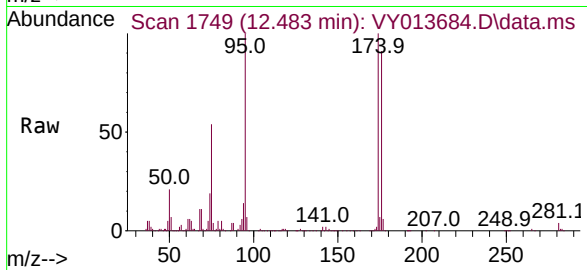
Acq: 10 May 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-7.5-050923



Tgt Ion: 75 Resp: 70655

Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

89 0.0 38.0 57.0#

