

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013710.D
 Acq On : 11 May 2023 12:16
 Operator : KP/MD
 Sample : 02719-04
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04_10-12_20230509

Quant Time: May 12 04:40:36 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)

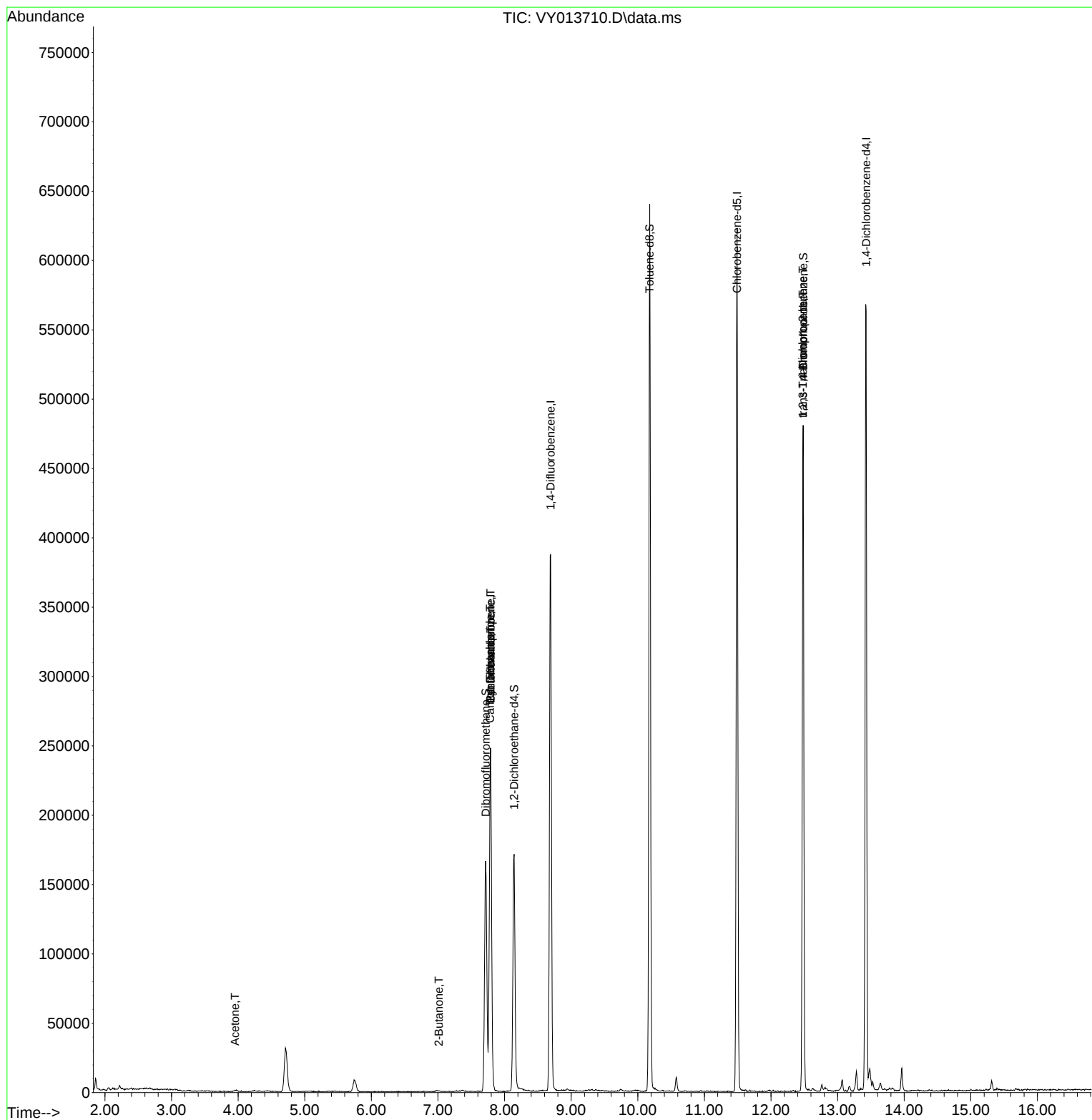
Internal Standards						
1) Pentafluorobenzene	7.789	168	194255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	327813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	138797	65.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.360%	
35) Dibromofluoromethane	7.716	113	113302	54.583	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.160%	
50) Toluene-d8	10.179	98	405505	54.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.820%	
62) 4-Bromofluorobenzene	12.483	95	132005	53.025	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.060%	
Target Compounds						
13) Acrolein	3.771	56	22	Below Cal	Qvalue #	16
16) Acetone	3.954	43	1902	2.268	ug/l	94
25) 2-Butanone	7.015	43	1408	1.324	ug/l #	47
31) Cyclohexane	7.789	56	4258	1.117	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14350	4.165	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18668	5.170	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	71780	35.408	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	71780	72.430	ug/l #	13

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

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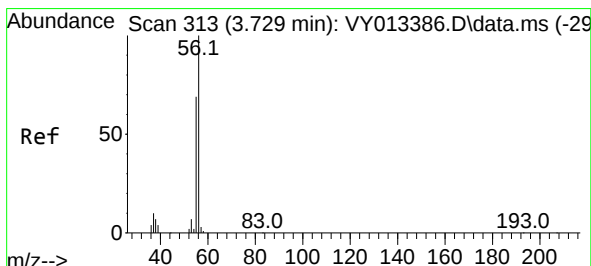
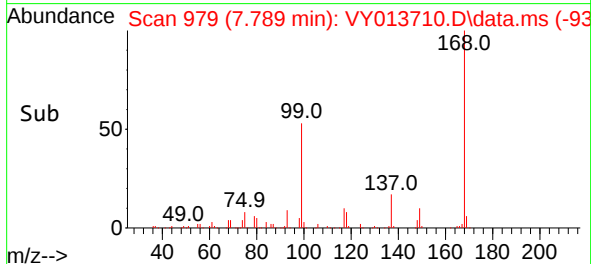
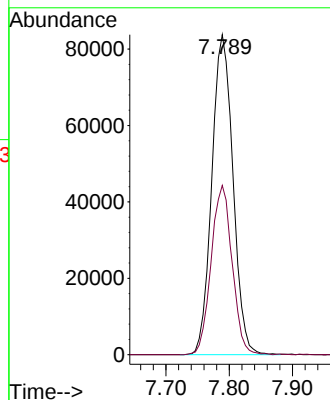
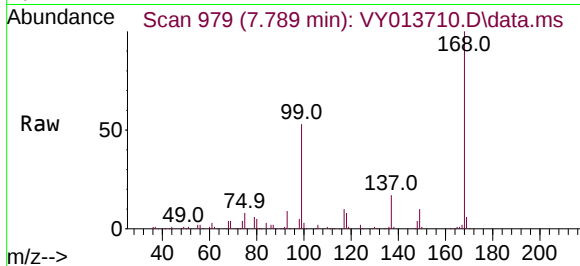




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

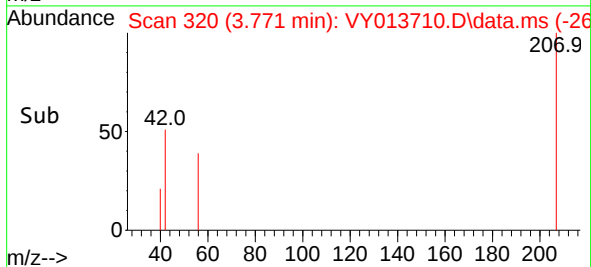
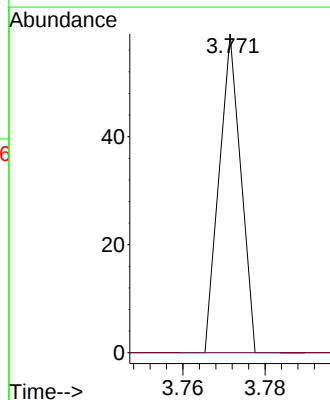
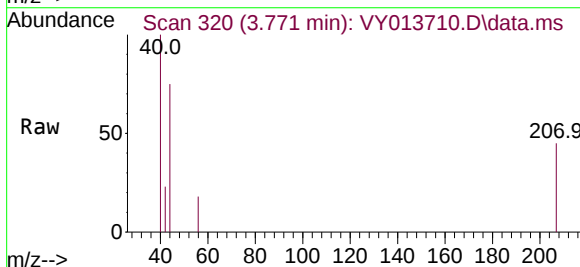
Instrument :
MSVOA_Y
ClientSampleId :
SB-04_10-12_20230509

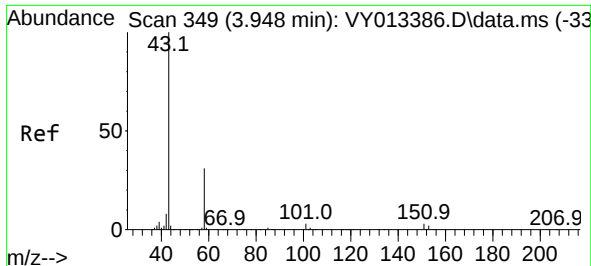
Tgt Ion:168 Resp: 194255
Ion Ratio Lower Upper
168 100
99 52.9 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.771 min Scan# 320
Delta R.T. 0.042 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

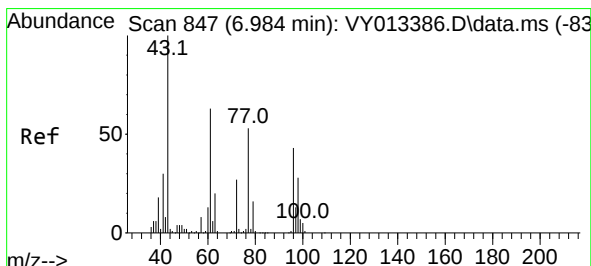
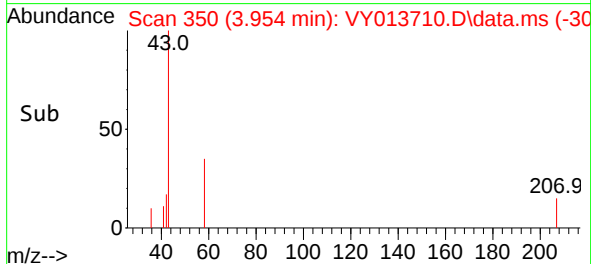
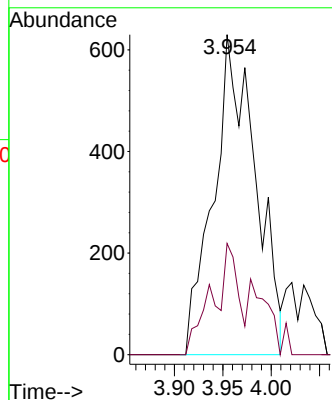
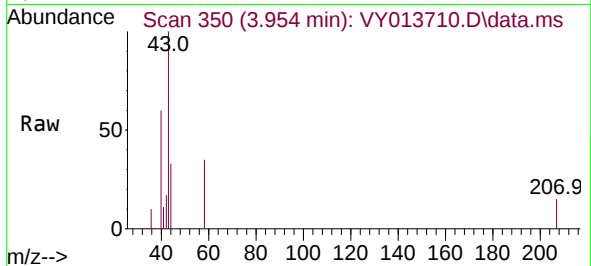




#16
Acetone
Concen: 2.268 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

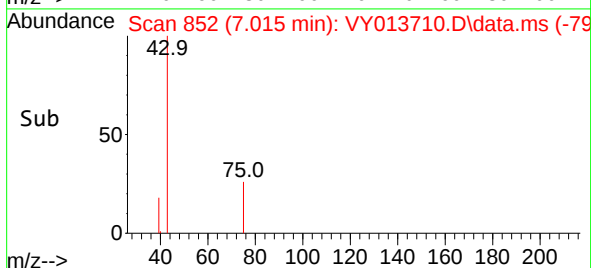
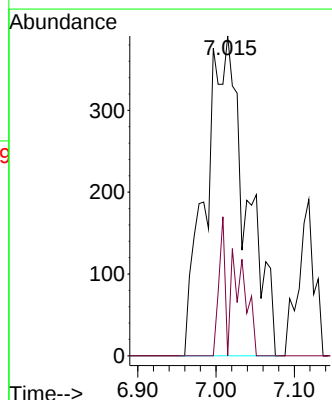
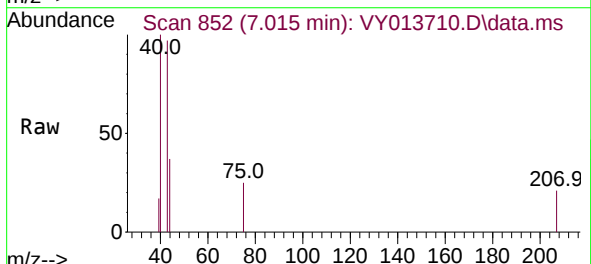
Instrument :
MSVOA_Y
ClientSampleId :
SB-04_10-12_20230509

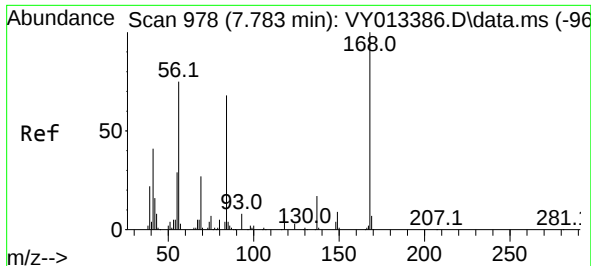
Tgt Ion: 43 Resp: 1902
Ion Ratio Lower Upper
43 100
58 34.8 25.4 38.0



#25
2-Butanone
Concen: 1.324 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.031 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#

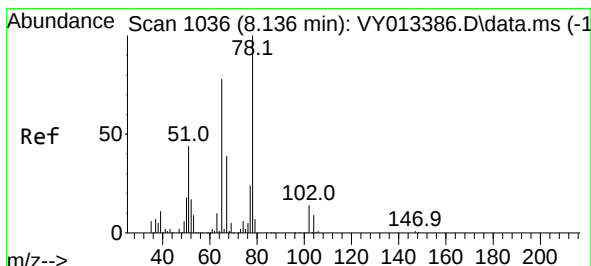
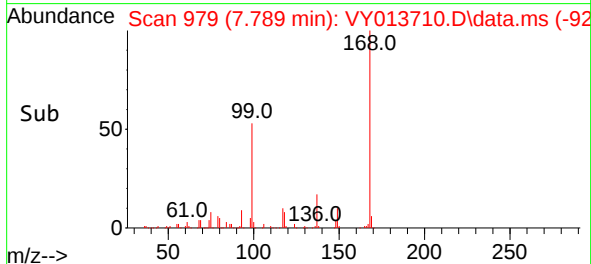
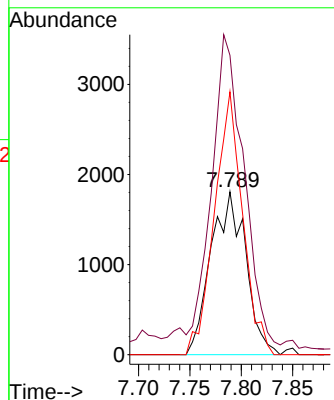
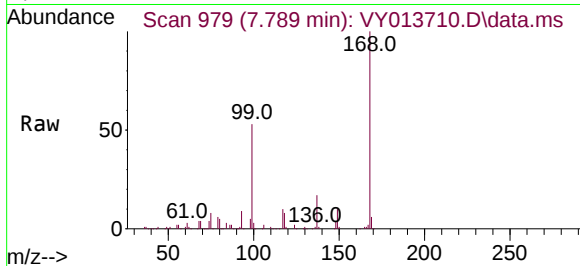




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

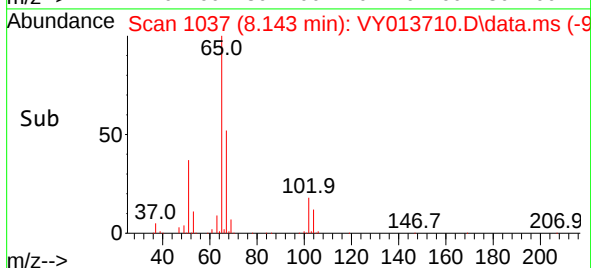
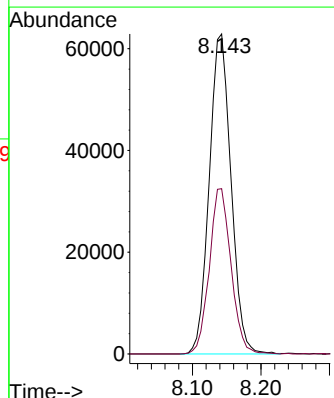
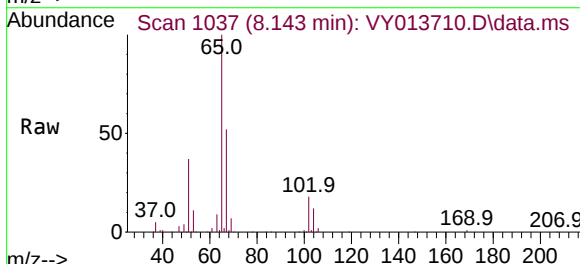
Instrument :
MSVOA_Y
ClientSampleId :
SB-04_10-12_20230509

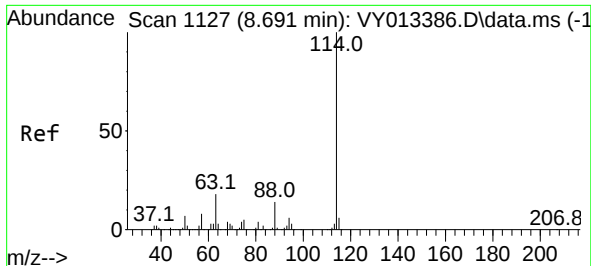
Tgt Ion: 56 Resp: 4258
Ion Ratio Lower Upper
56 100
69 177.9 29.2 43.8#
84 161.5 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 65.179 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion: 65 Resp: 138797
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

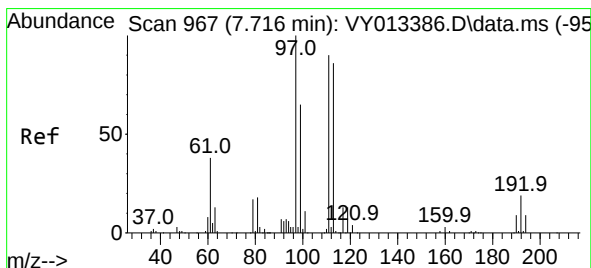
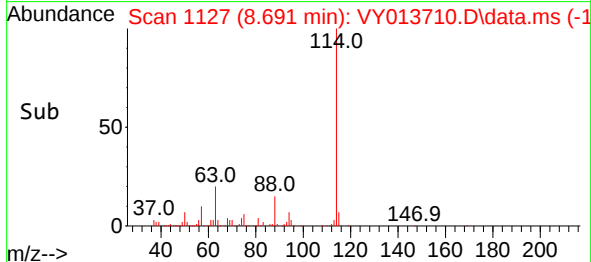
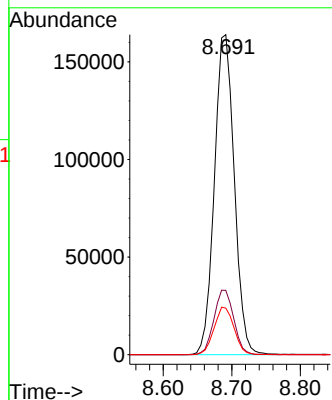
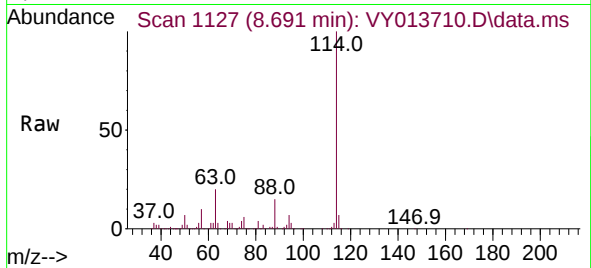




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

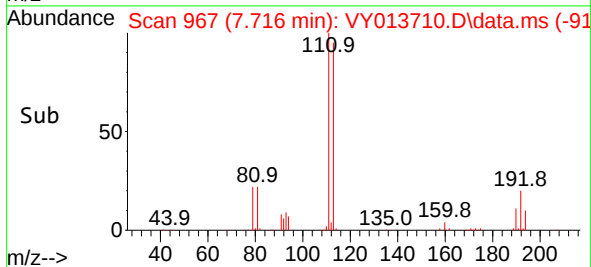
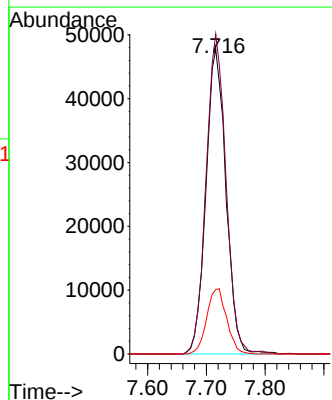
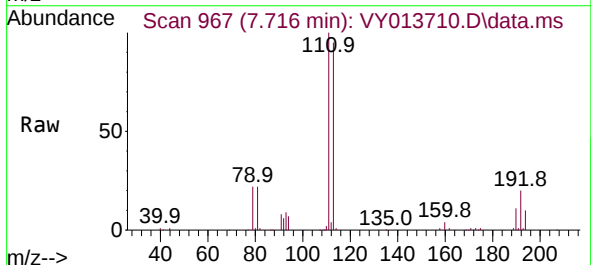
Instrument :
MSVOA_Y
ClientSampleId :
SB-04_10-12_20230509

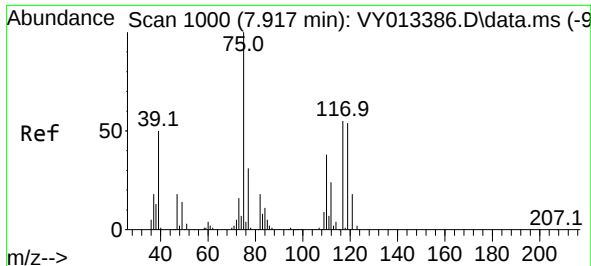
Tgt Ion:	114	Resp:	330038
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	36.6
88	14.6	0.0	28.8



#35
Dibromofluoromethane
Concen: 54.583 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion:	113	Resp:	113302
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.2	123.2
192	21.2	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.165 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013710.D

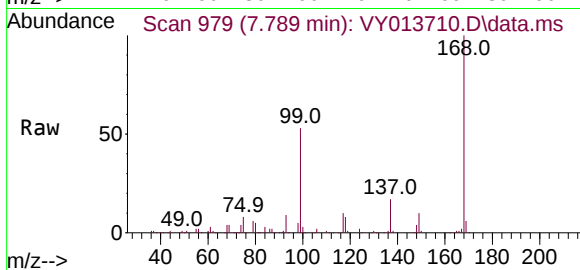
Acq: 11 May 2023 12:16

Instrument :

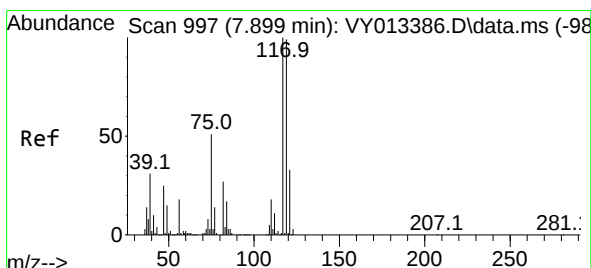
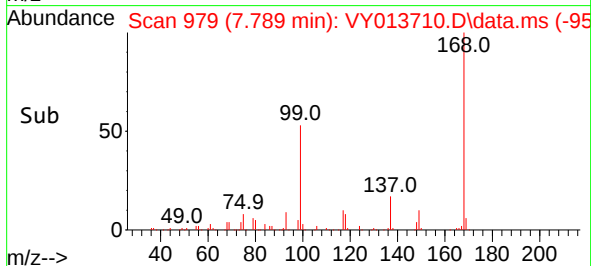
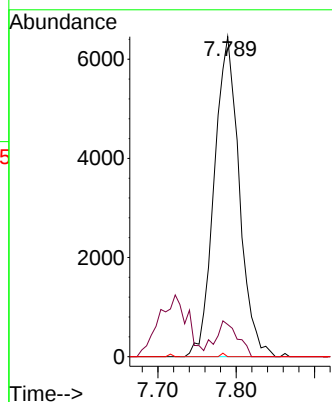
MSVOA_Y

ClientSampleId :

SB-04_10-12_20230509



Tgt Ion:	75	Resp:	14350
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.7	56.1#
77	0.2	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.170 ug/l

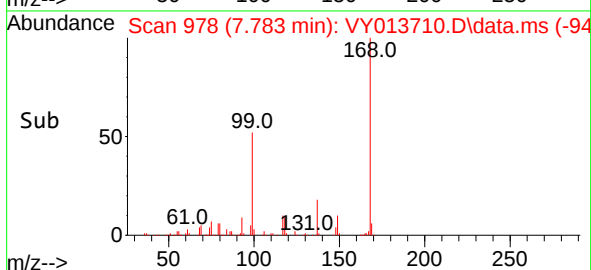
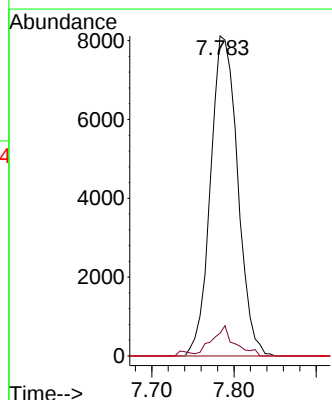
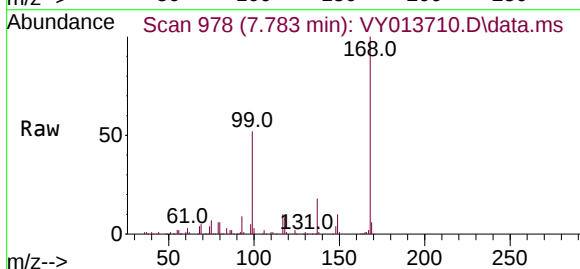
RT: 7.783 min Scan# 978

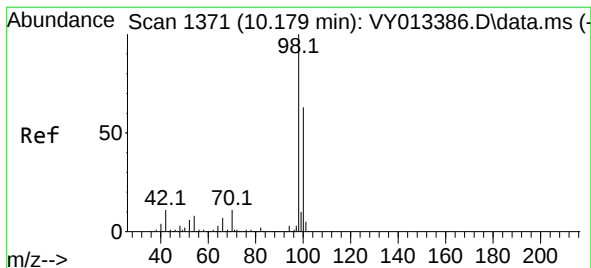
Delta R.T. -0.116 min

Lab File: VY013710.D

Acq: 11 May 2023 12:16

Tgt Ion:	117	Resp:	18668
Ion	Ratio	Lower	Upper
117	100		
119	7.1	79.0	118.6#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 54.914 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013710.D

Acq: 11 May 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

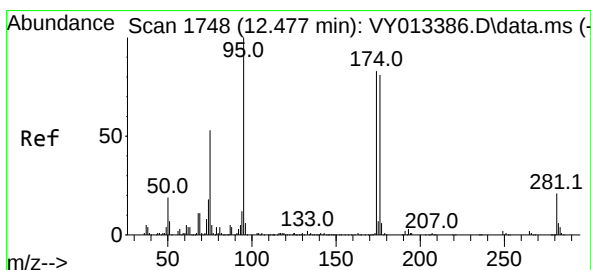
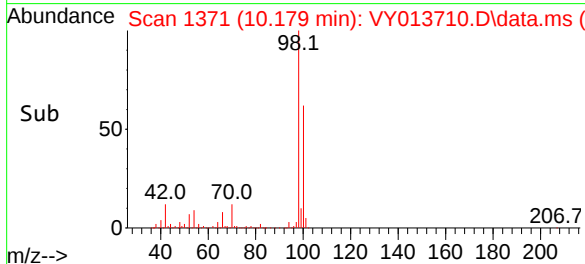
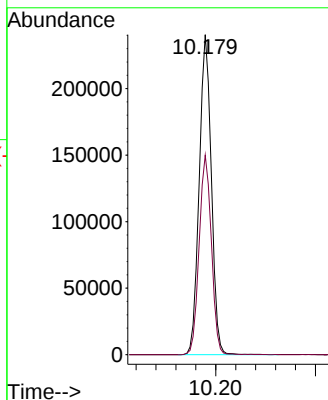
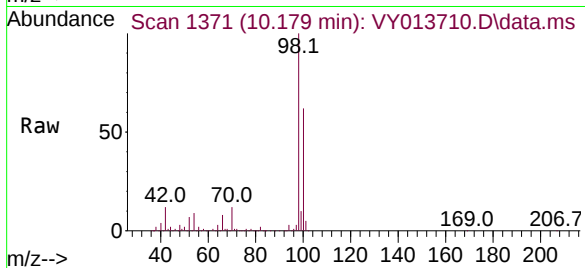
SB-04_10-12_20230509

Tgt Ion: 98 Resp: 405505

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 53.025 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013710.D

Acq: 11 May 2023 12:16

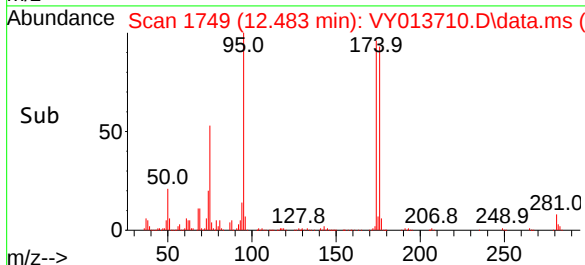
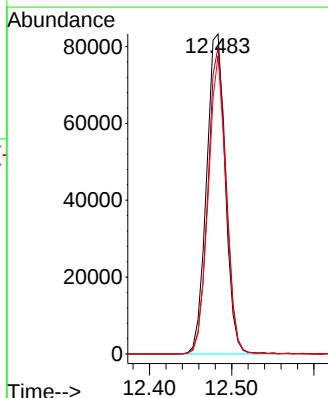
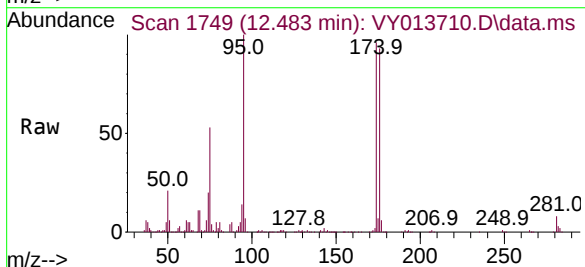
Tgt Ion: 95 Resp: 132005

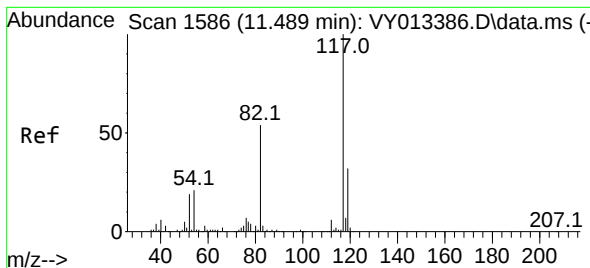
Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.0

176 88.7 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013710.D

Acq: 11 May 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

SB-04_10-12_20230509

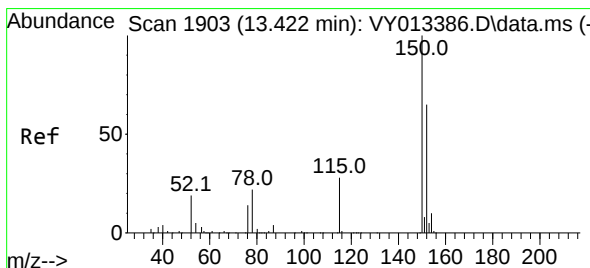
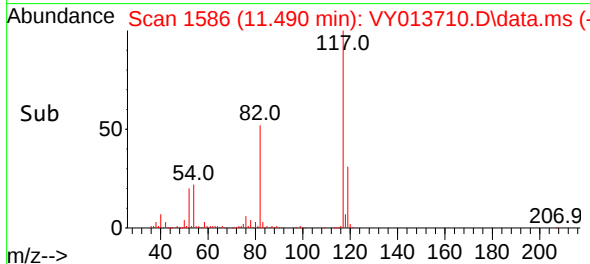
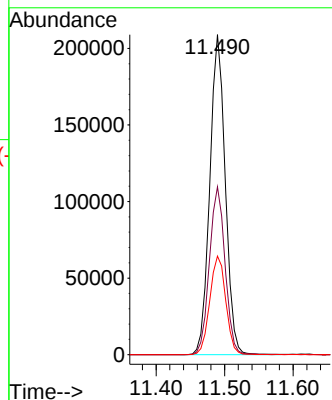
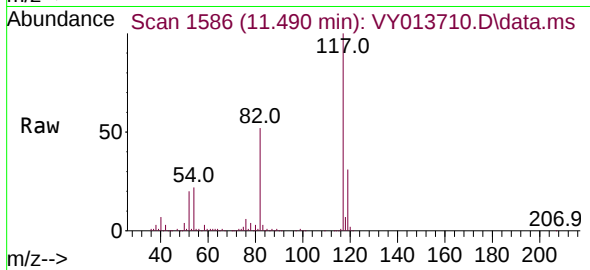
Tgt Ion:117 Resp: 327813

Ion Ratio Lower Upper

117 100

82 52.5 43.0 64.6

119 30.8 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: VY013710.D

Acq: 11 May 2023 12:16

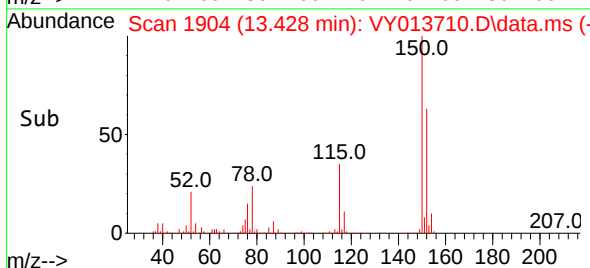
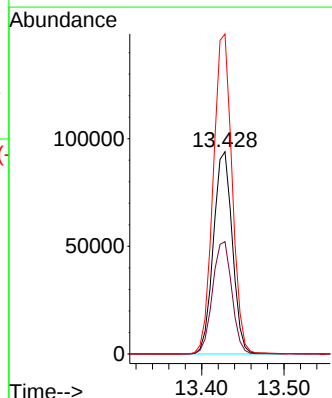
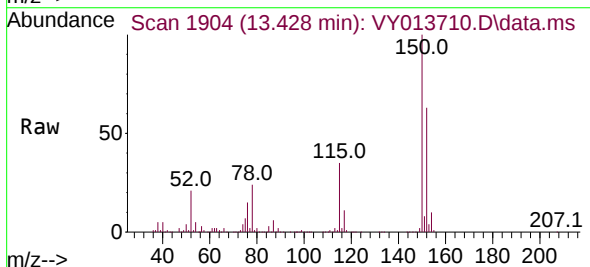
Tgt Ion:152 Resp: 150317

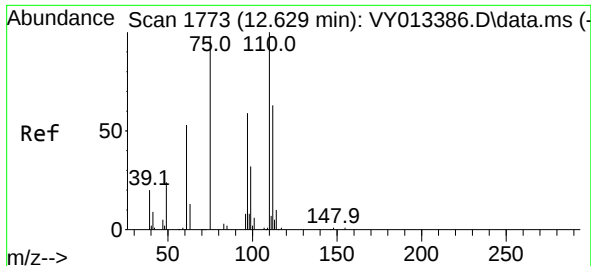
Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.2

150 158.0 0.0 352.0

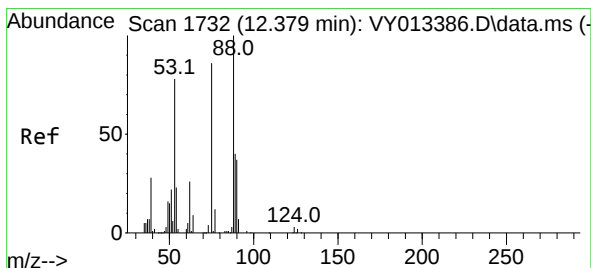
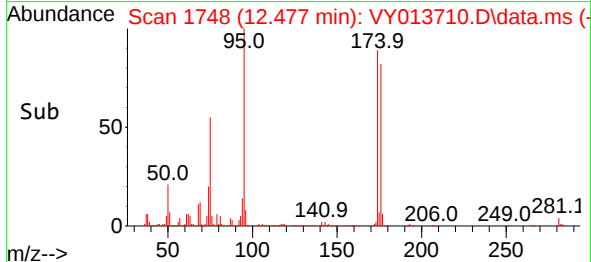
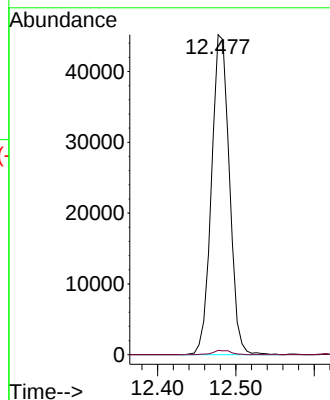
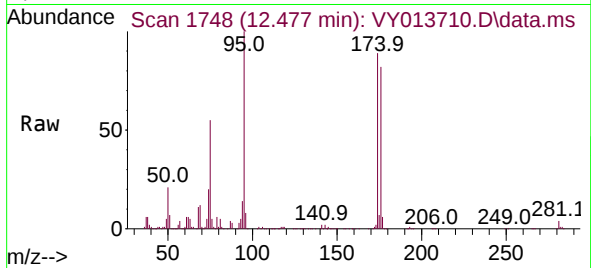




#76
1,2,3-Trichloropropane
Concen: 35.408 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Instrument :
MSVOA_Y
ClientSampleId :
SB-04_10-12_20230509

Tgt Ion: 75 Resp: 71780
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.430 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013710.D
Acq: 11 May 2023 12:16

Tgt Ion: 75 Resp: 71780
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.1 38.0 57.0#

