

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013410.D
 Acq On : 24 Apr 2023 19:00
 Operator : KP/MD
 Sample : 02371-09
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-20-8.0-8.5RE

Quant Time: Apr 25 03:17:26 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)

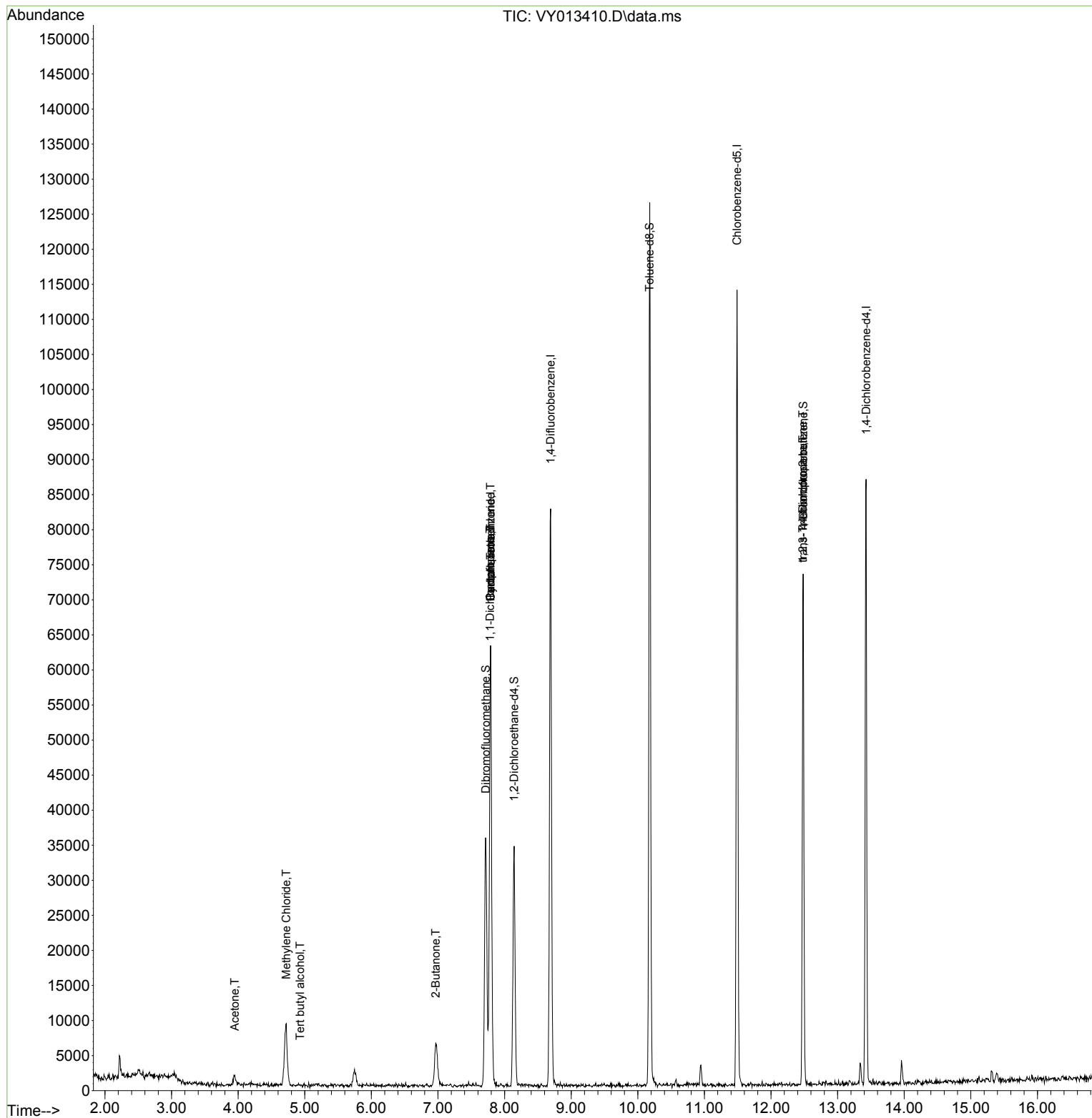
Internal Standards						
1) Pentafluorobenzene	7.789	168	47417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	68703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	61427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	22648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	26625	51.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.440%			
35) Dibromofluoromethane	7.716	113	24876	57.569	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.140%			
50) Toluene-d8	10.179	98	82966	53.972	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.940%			
62) 4-Bromofluorobenzene	12.483	95	20752	40.044	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.080%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	103	2.405	ug/l #	89
13) Acrolein	3.747	56	21	Below Cal	#	7
16) Acetone	3.948	43	2416	11.803	ug/l #	88
20) Methylene Chloride	4.722	84	6237	1.952	ug/l	87
25) 2-Butanone	6.966	43	339	1.306	ug/l #	47
31) Cyclohexane	7.789	56	1332	1.431	ug/l #	52
36) 1,1-Dichloropropene	7.783	75	3561	4.966	ug/l #	46
38) Carbon Tetrachloride	7.789	117	4588	6.104	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	10352	33.893	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	10352	69.329	ug/l #	12

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

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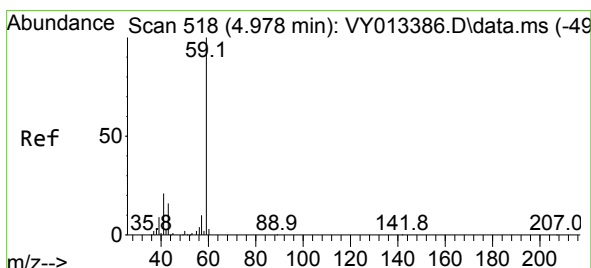
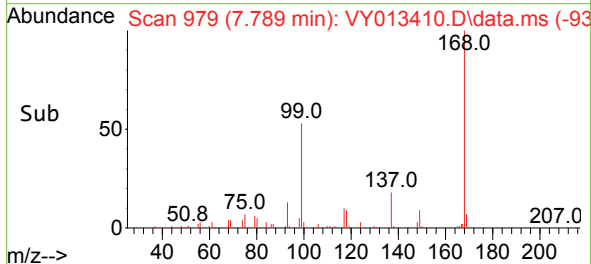
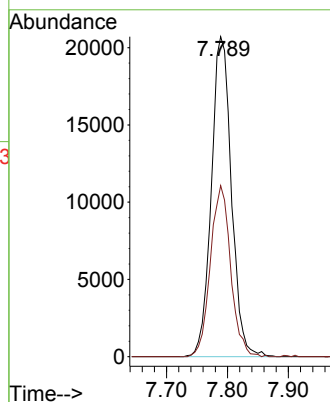
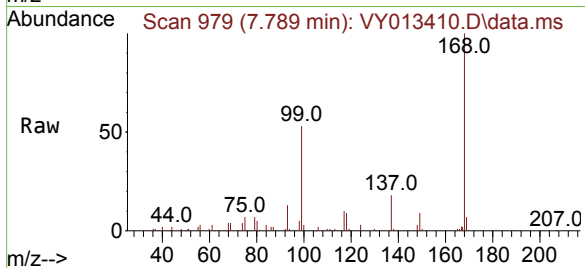




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

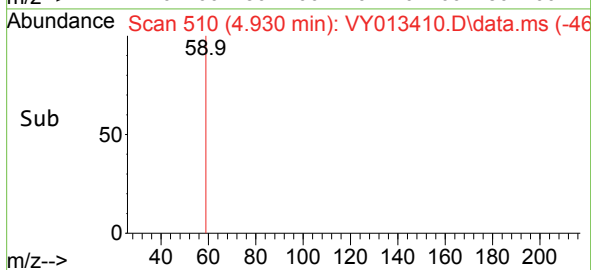
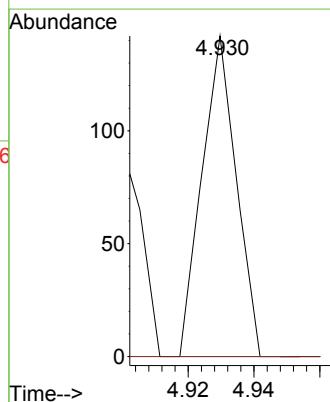
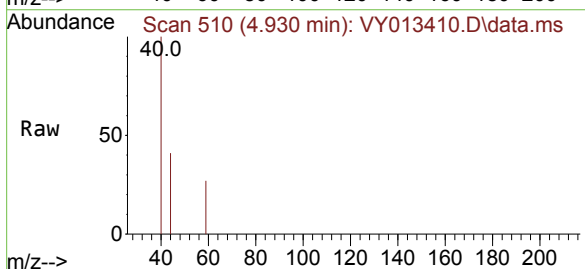
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

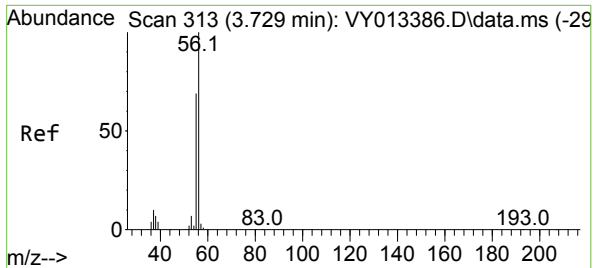
Tgt Ion:168 Resp: 47417
Ion Ratio Lower Upper
168 100
99 53.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.405 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.048 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion: 59 Resp: 103
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

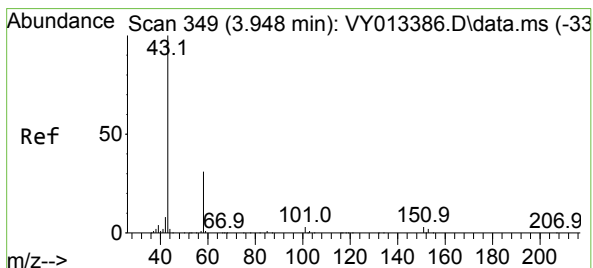
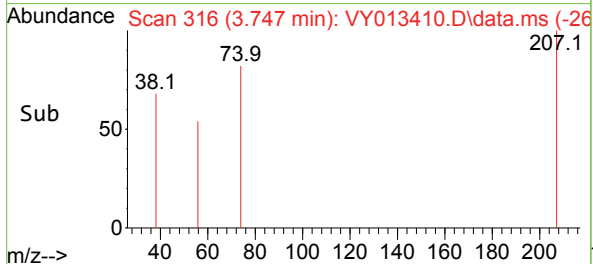
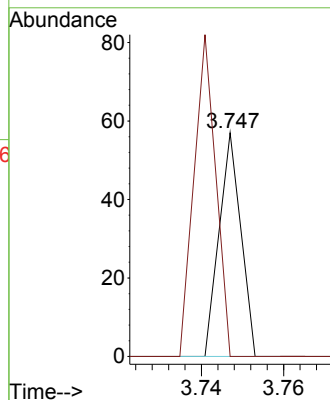
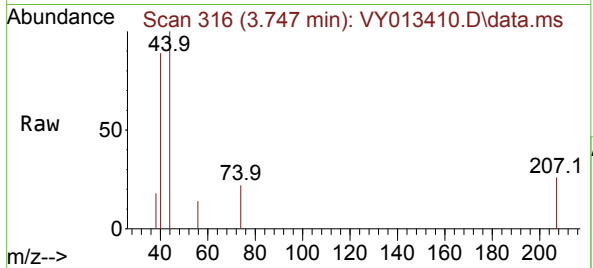




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 313
Delta R.T. 0.018 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

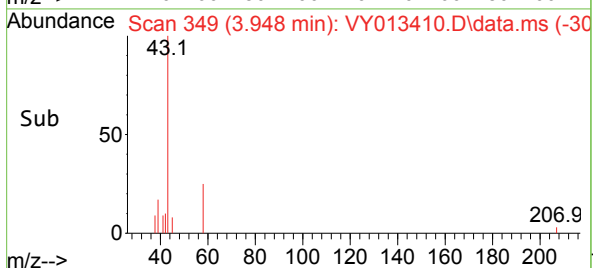
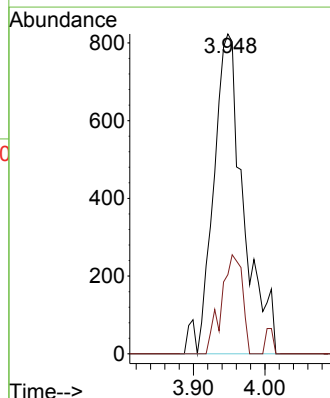
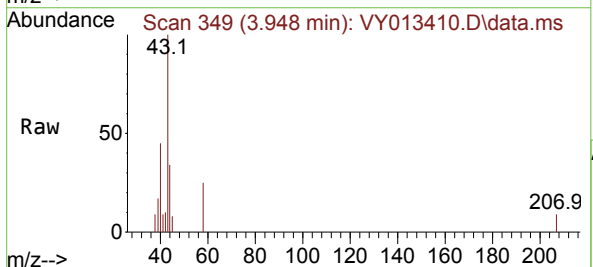
Instrument :
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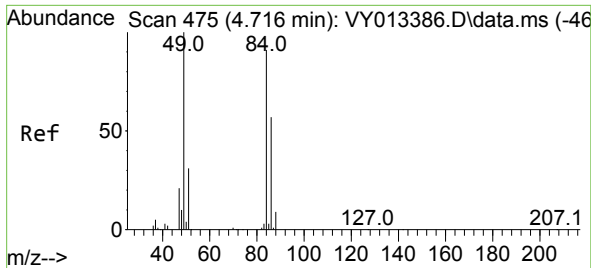
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 142.9 54.1 81.1#



#16
Acetone
Concen: 11.803 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
58 24.8 25.4 38.0#

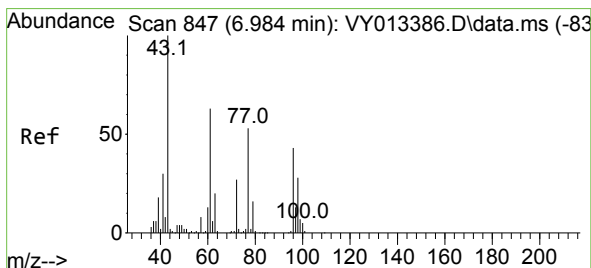
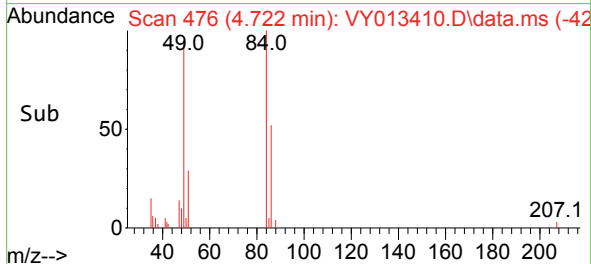
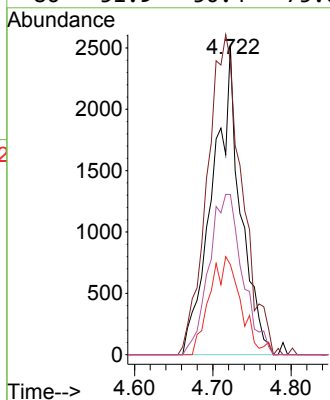
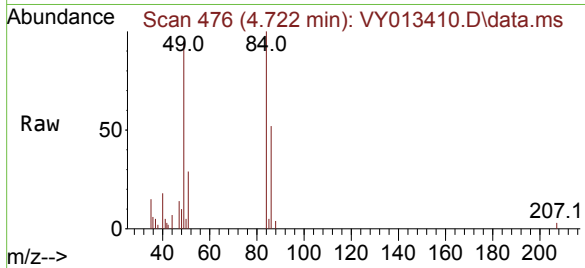




#20
Methylene Chloride
Concen: 1.952 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

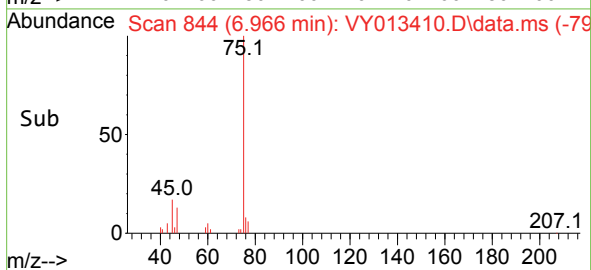
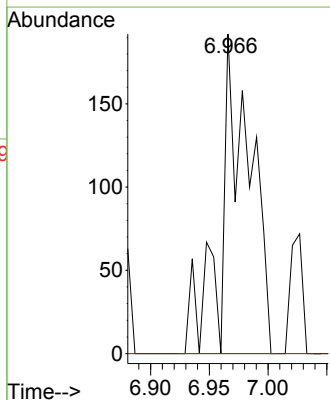
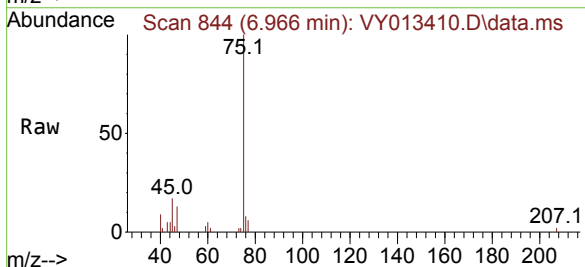
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

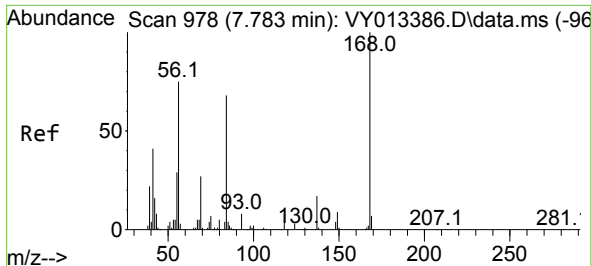
Tgt Ion: 84 Resp: 6237
Ion Ratio Lower Upper
84 100
49 95.2 88.0 132.0
51 29.2 27.4 41.0
86 51.9 50.4 75.6



#25
2-Butanone
Concen: 1.306 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#

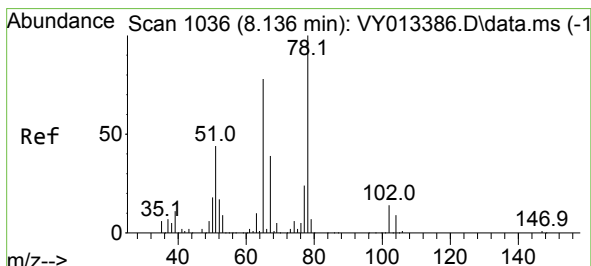
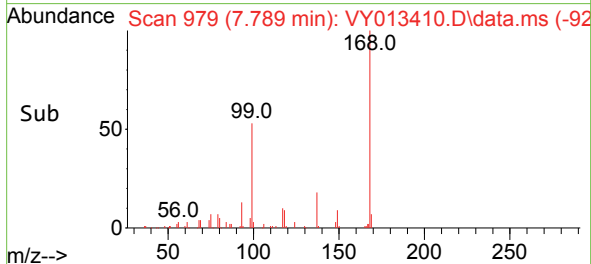
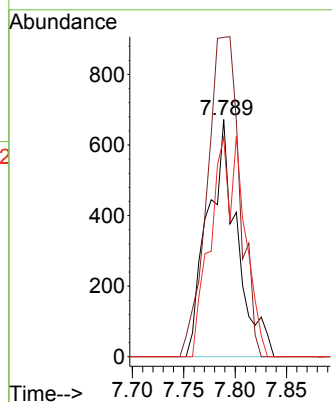
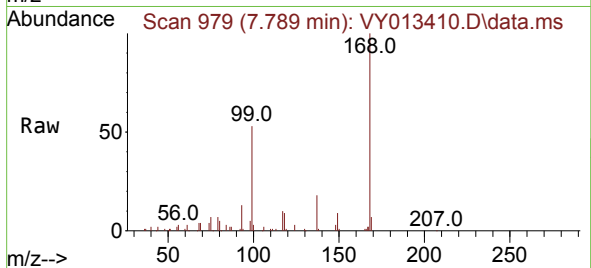




#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

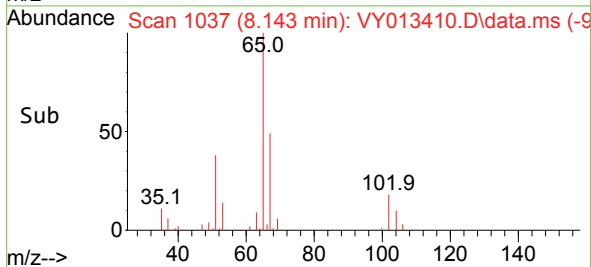
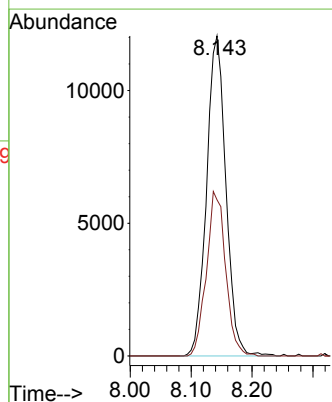
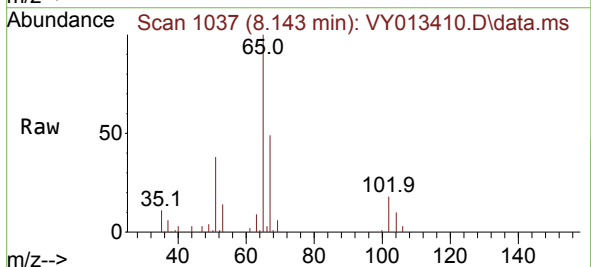
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

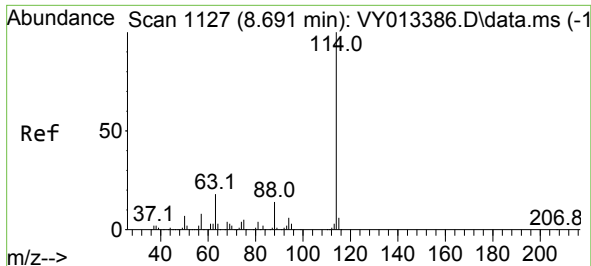
Tgt Ion: 56 Resp: 1332
Ion Ratio Lower Upper
56 100
69 134.7 29.2 43.8#
84 92.6 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 51.222 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion: 65 Resp: 26625
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4

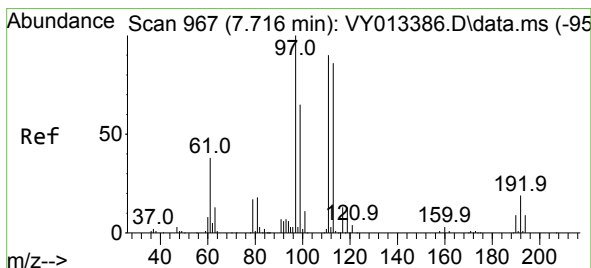
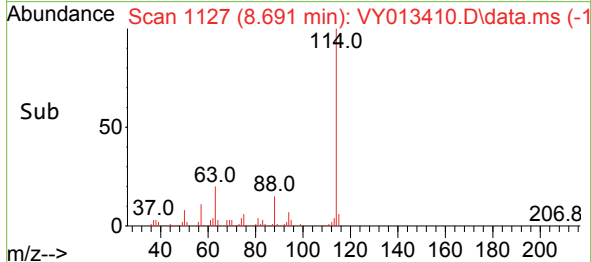
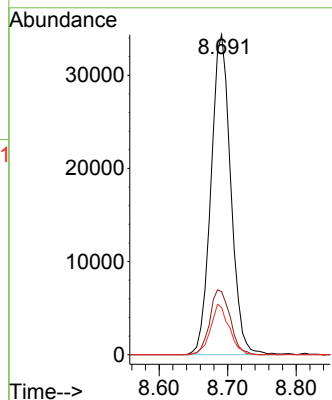
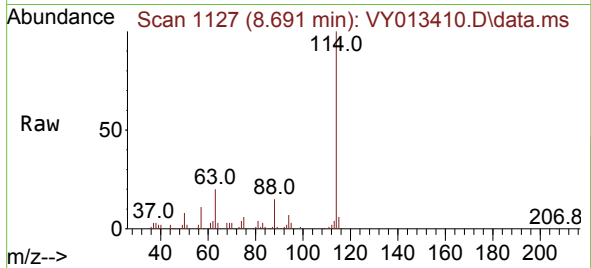




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

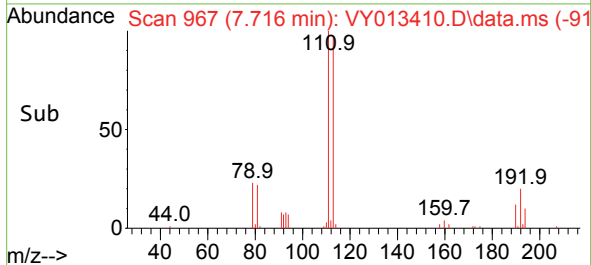
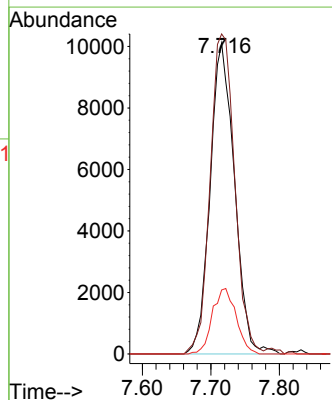
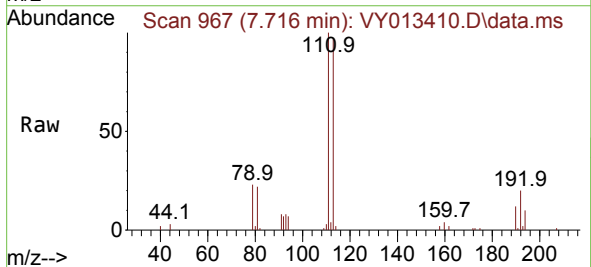
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

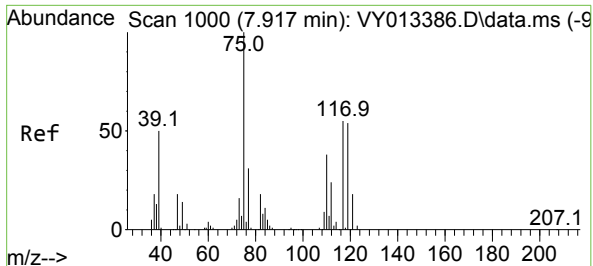
Tgt Ion:114 Resp: 68703
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.6
88 14.7 0.0 28.8



#35
Dibromofluoromethane
Concen: 57.569 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion:113 Resp: 24876
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 20.6 16.7 25.1

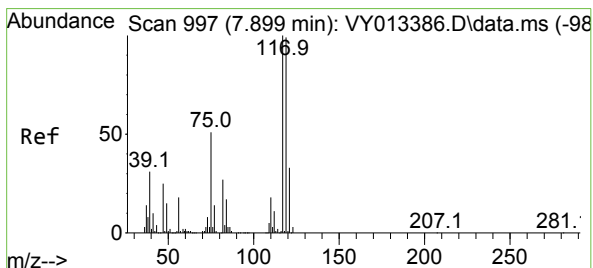
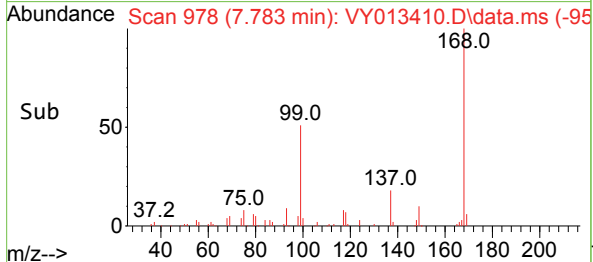
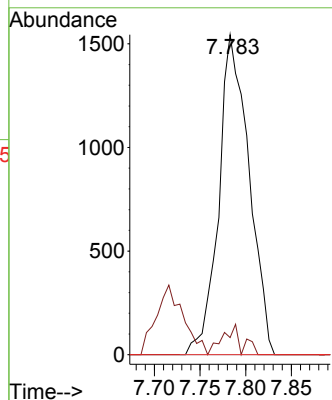
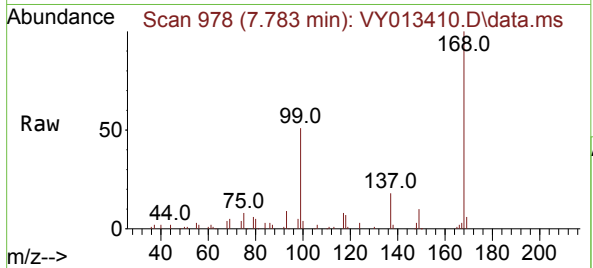




#36
1,1-Dichloropropene
Concen: 4.966 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

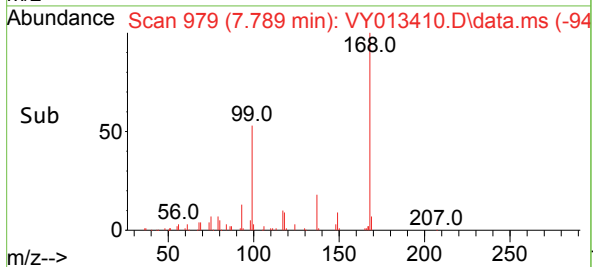
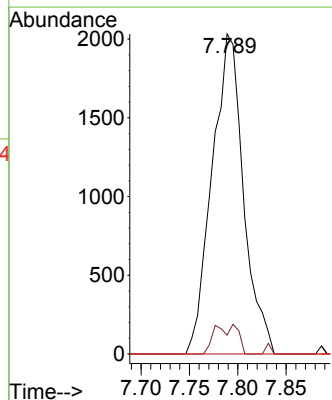
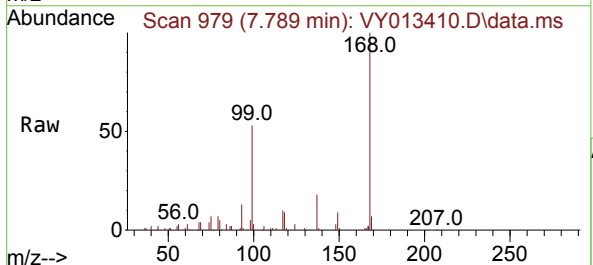
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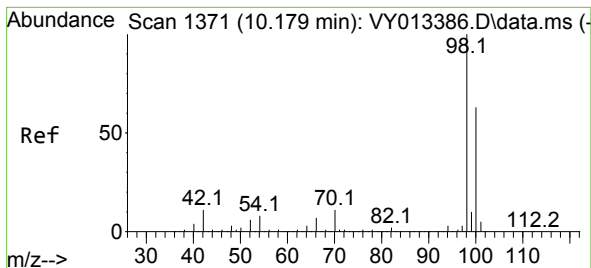
Tgt Ion: 75 Resp: 3561
Ion Ratio Lower Upper
75 100
110 6.0 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion: 117 Resp: 4588
Ion Ratio Lower Upper
117 100
119 5.9 79.0 118.6#
121 0.0 26.6 40.0#

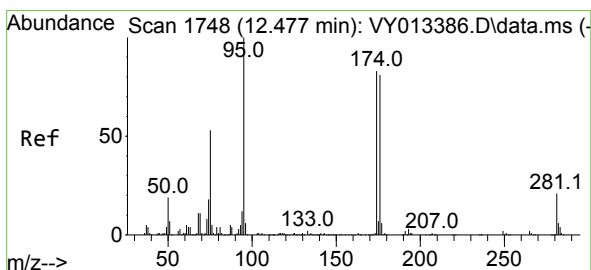
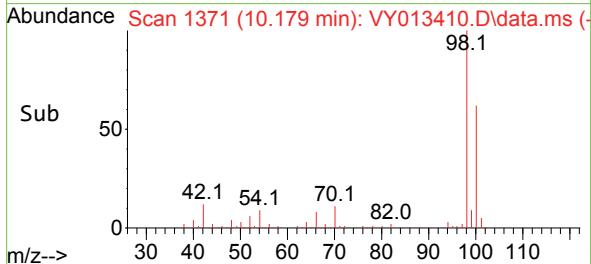
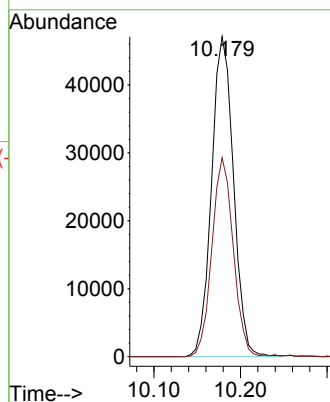
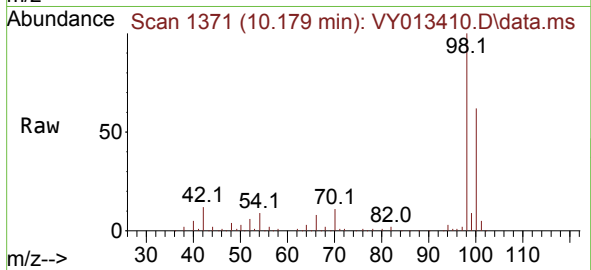




#50
Toluene-d8
Concen: 53.972 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

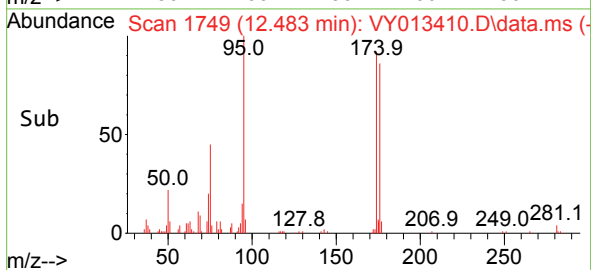
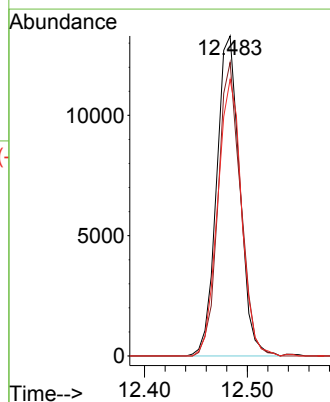
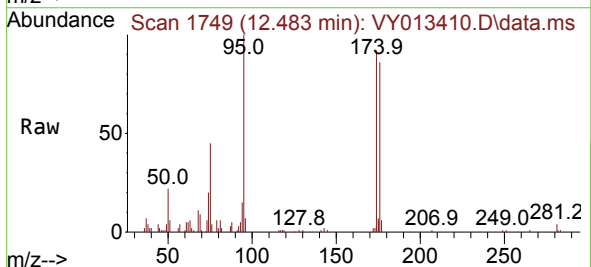
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

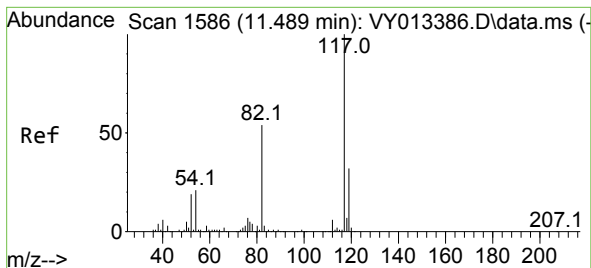
Tgt Ion: 98 Resp: 82966
Ion Ratio Lower Upper
98 100
100 60.9 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 40.044 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion: 95 Resp: 20752
Ion Ratio Lower Upper
95 100
174 89.2 0.0 182.0
176 89.3 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: VY013410.D

Acq: 24 Apr 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

SB-20-8.0-8.5RE

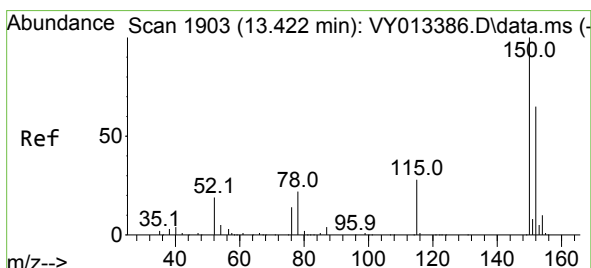
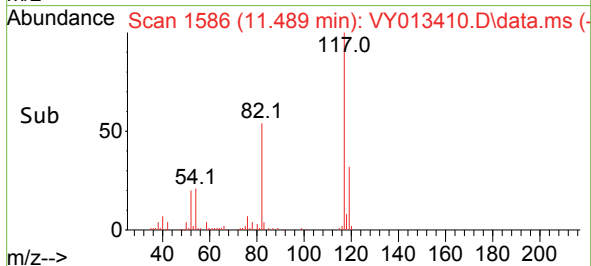
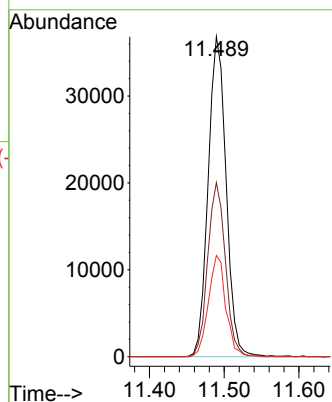
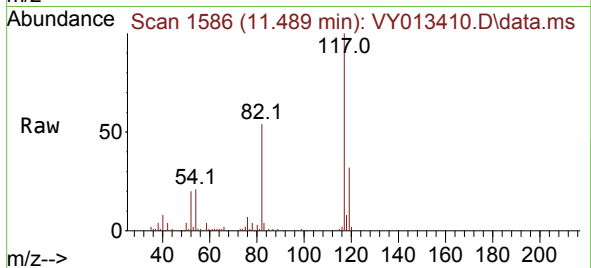
Tgt Ion:117 Resp: 61427

Ion Ratio Lower Upper

117 100

82 54.4 43.0 64.6

119 31.6 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: VY013410.D

Acq: 24 Apr 2023 19:00

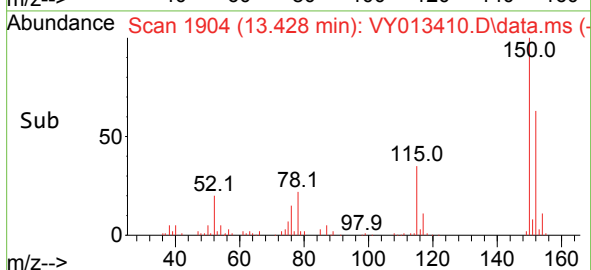
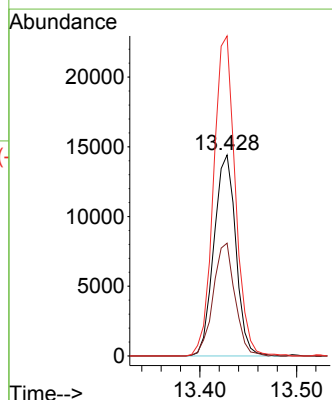
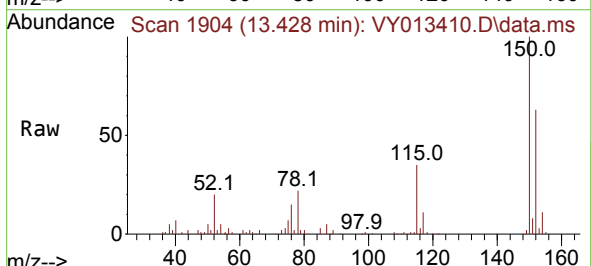
Tgt Ion:152 Resp: 22648

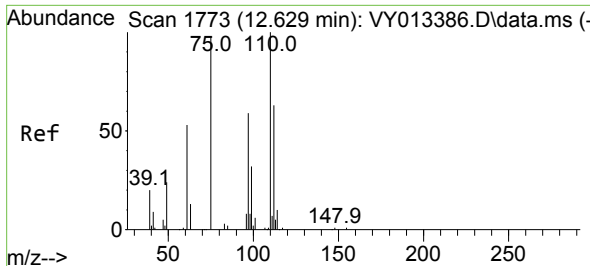
Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 158.5 0.0 352.0

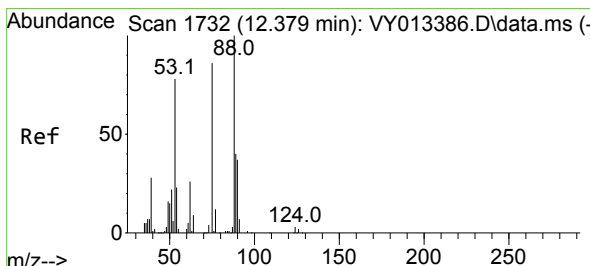
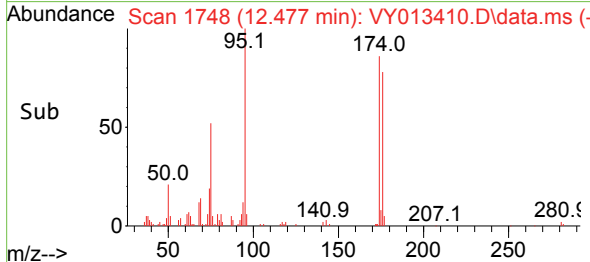
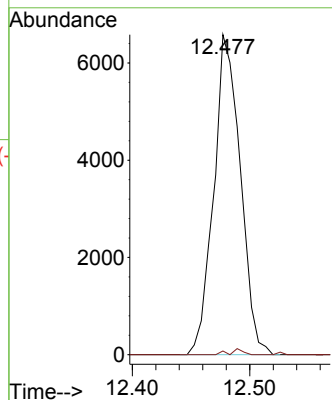
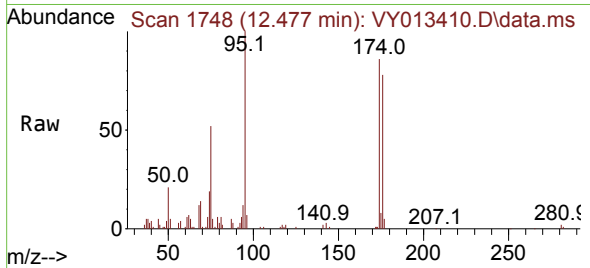




#76
1,2,3-Trichloropropane
Concen: 33.893 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

Tgt Ion: 75 Resp: 10352
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.329 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013410.D
Acq: 24 Apr 2023 19:00

Tgt Ion: 75 Resp: 10352
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

