

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013111.D
 Acq On : 28 Mar 2023 13:04
 Operator : KP/MD
 Sample : 02104-02
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-37-SB02RE

Quant Time: Mar 29 02:27:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

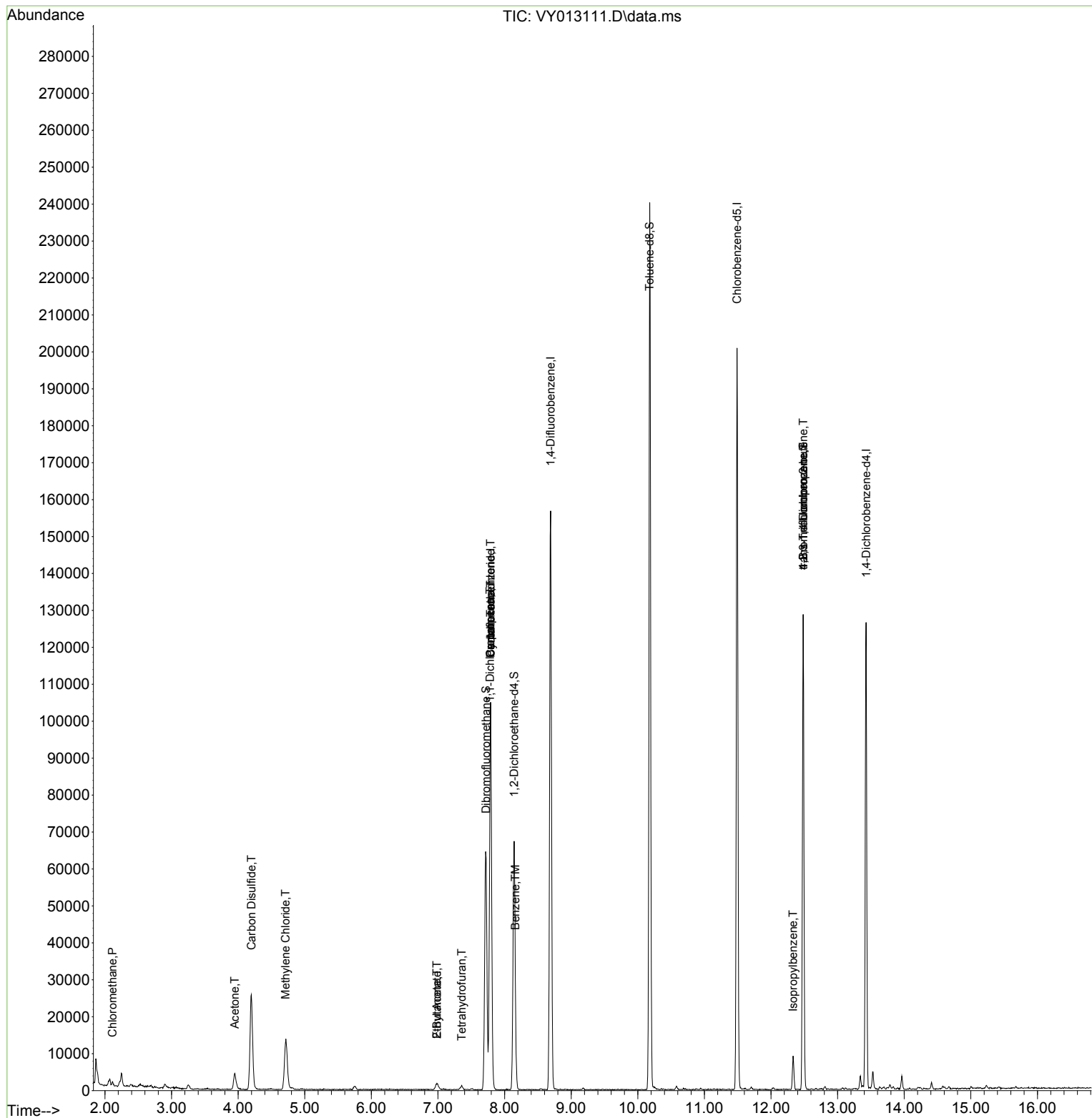
Internal Standards						
1) Pentafluorobenzene	7.789	168	79595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	132669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	107361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	32859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	50286	63.631	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.260%			
35) Dibromofluoromethane	7.722	113	45732	57.118	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.240%			
50) Toluene-d8	10.179	98	152845	52.218	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.440%			
62) 4-Bromofluorobenzene	12.483	95	36041	36.481	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.960%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	959	1.022	ug/l #	83
11) Tert butyl alcohol	4.942	59	120	Below Cal	#	74
16) Acetone	3.948	43	7763	25.027	ug/l	95
17) Carbon Disulfide	4.198	76	51551	18.477	ug/l	98
20) Methylene Chloride	4.710	84	9341	5.037	ug/l	92
25) 2-Butanone	6.984	43	2078	5.409	ug/l #	85
29) Tetrahydrofuran	7.356	42	733	3.163	ug/l #	80
31) Cyclohexane	7.789	56	1953	1.290	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	6248	4.657	ug/l #	49
37) Ethyl Acetate	6.984	43	2078	2.457	ug/l #	78
38) Carbon Tetrachloride	7.789	117	7789	5.622	ug/l #	15
40) Benzene	8.161	78	4034	1.063	ug/l	96
73) Isopropylbenzene	12.331	105	4019	1.726	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	18969	48.342	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18969	100.167	ug/l #	13

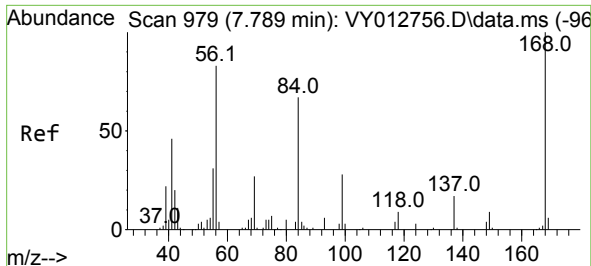
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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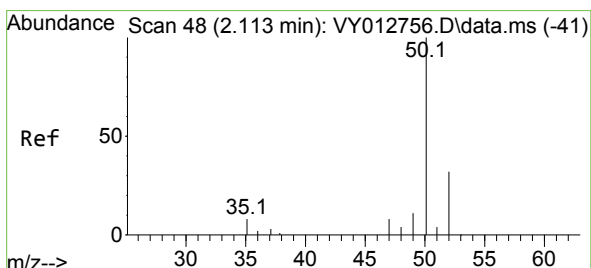
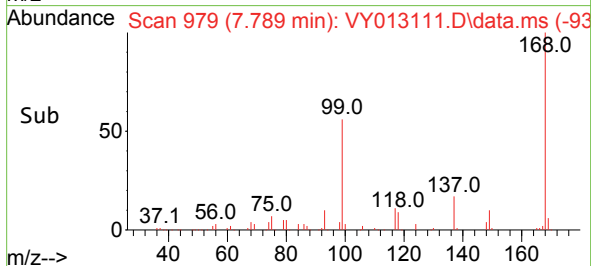
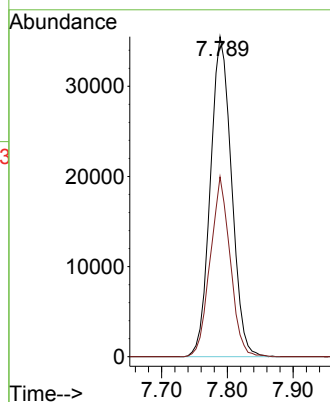
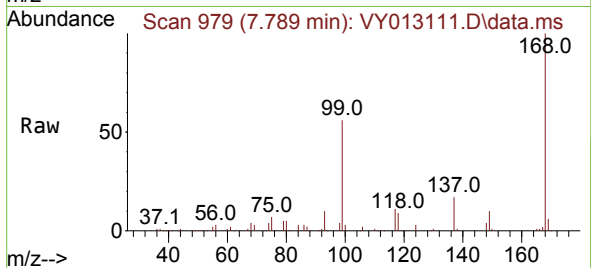




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

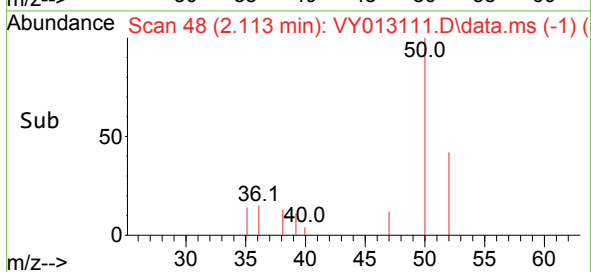
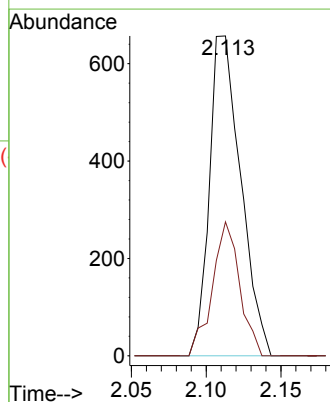
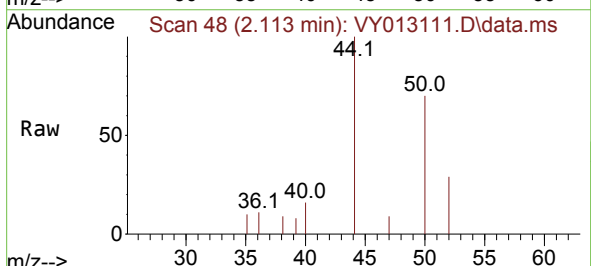
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02RE

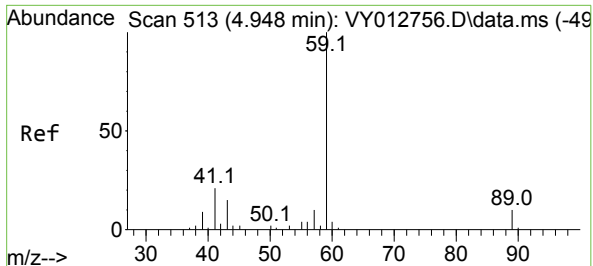
Tgt Ion:168 Resp: 79595
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#3
Chloromethane
Concen: 1.022 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion: 50 Resp: 959
Ion Ratio Lower Upper
50 100
52 41.9 26.0 39.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

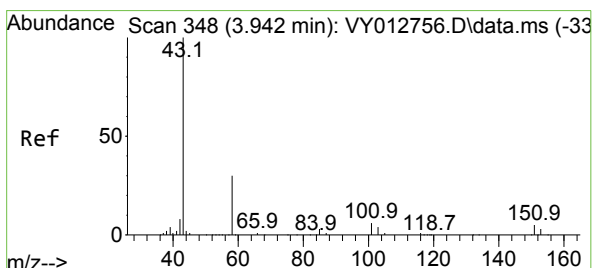
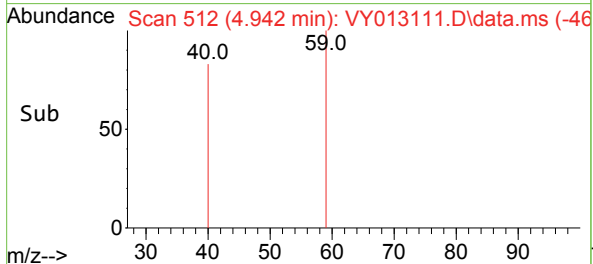
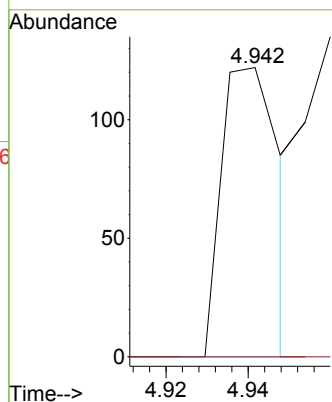
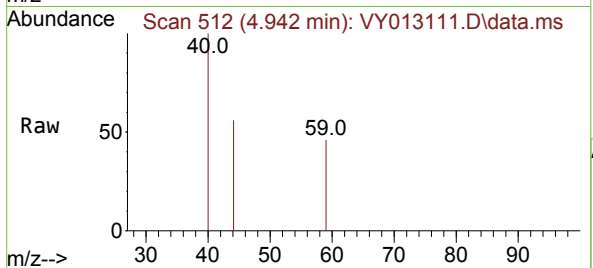
B-37-SB02RE

Tgt Ion: 59 Resp: 120

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 25.027 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY013111.D

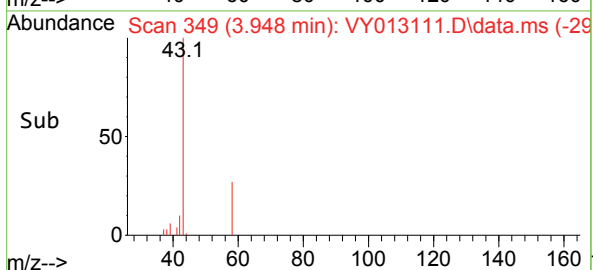
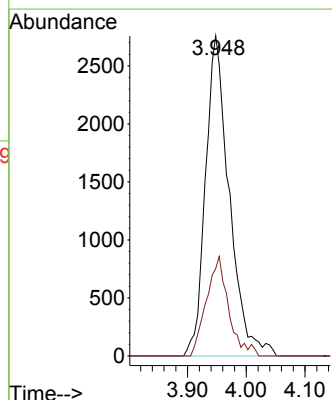
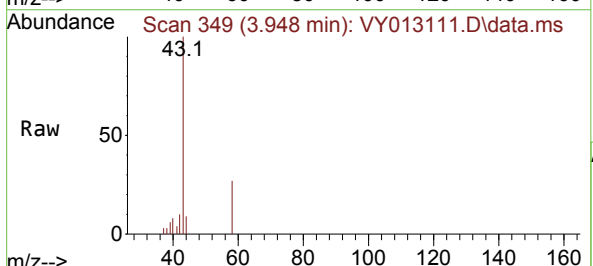
Acq: 28 Mar 2023 13:04

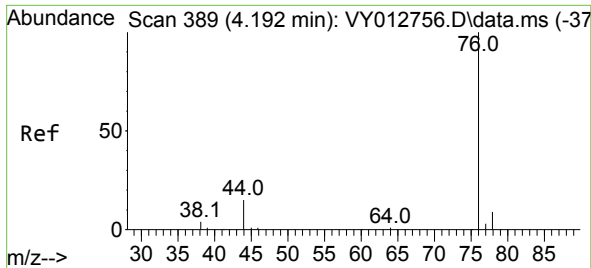
Tgt Ion: 43 Resp: 7763

Ion Ratio Lower Upper

43 100

58 27.3 24.2 36.2

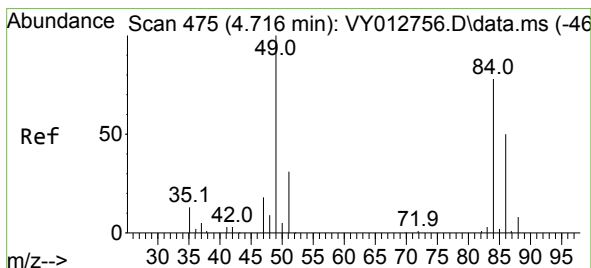
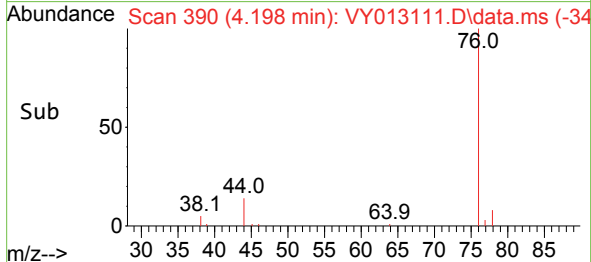
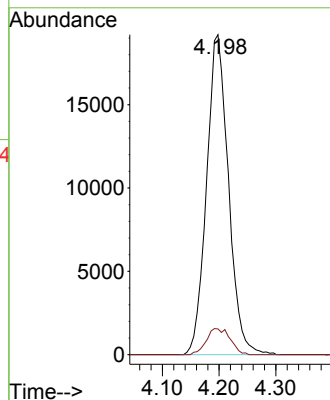
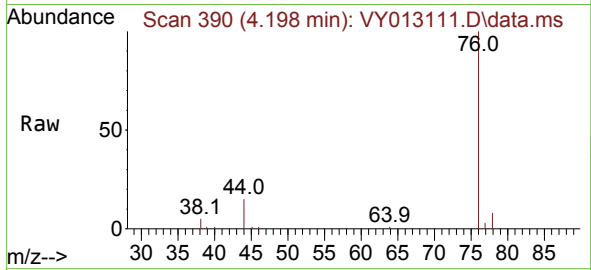




#17
Carbon Disulfide
Concen: 18.477 ug/l
RT: 4.198 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

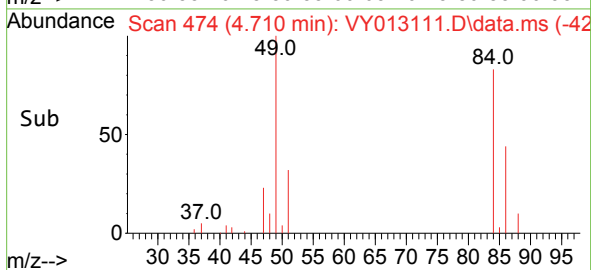
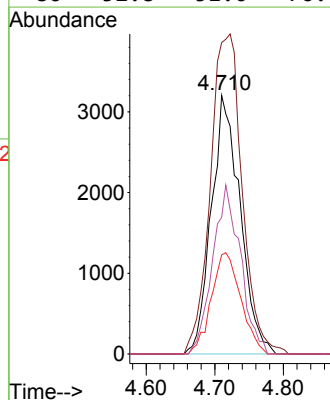
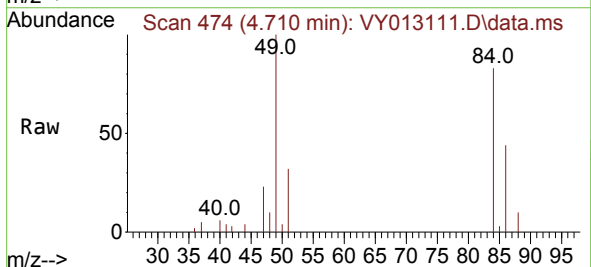
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02RE

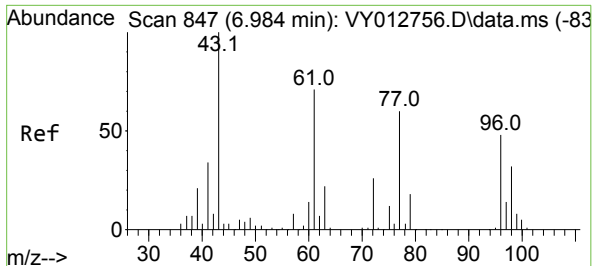
Tgt Ion: 76 Resp: 51551
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7



#20
Methylene Chloride
Concen: 5.037 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion: 84 Resp: 9341
Ion Ratio Lower Upper
84 100
49 120.4 102.6 154.0
51 38.3 31.9 47.9
86 52.8 51.0 76.6





#25

2-Butanone

Concen: 5.409 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

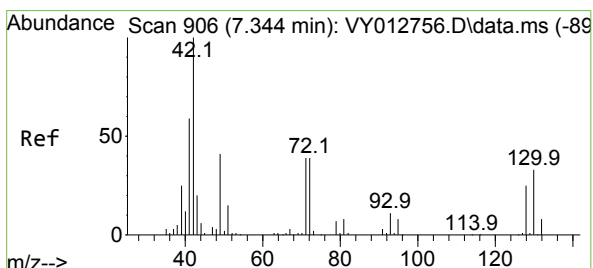
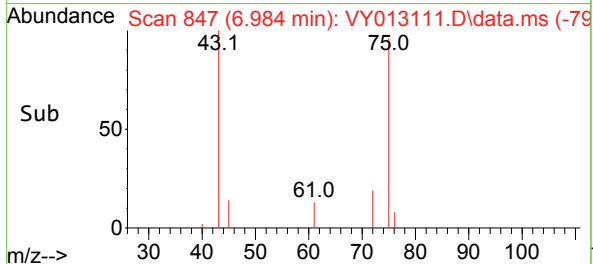
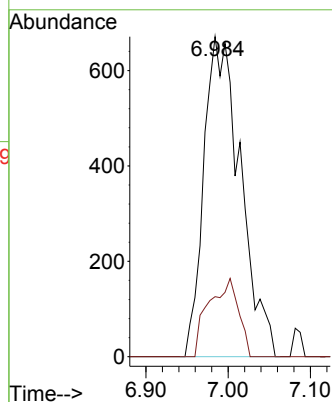
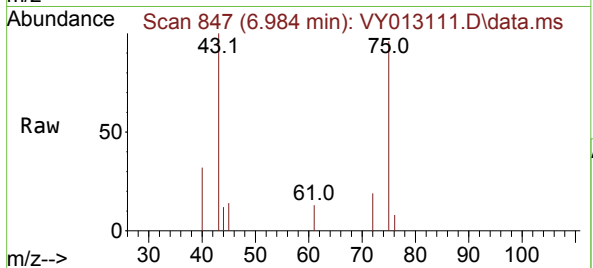
B-37-SB02RE

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

72 18.8 21.0 31.4#



#29

Tetrahydrofuran

Concen: 3.163 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

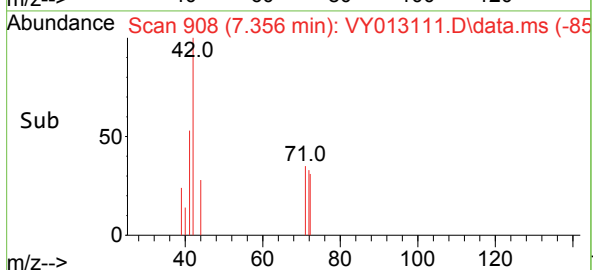
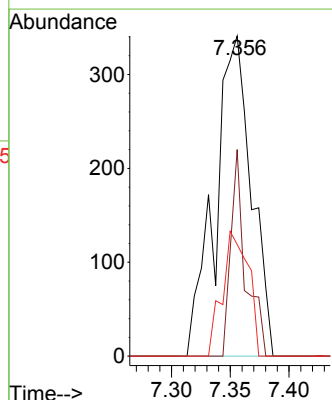
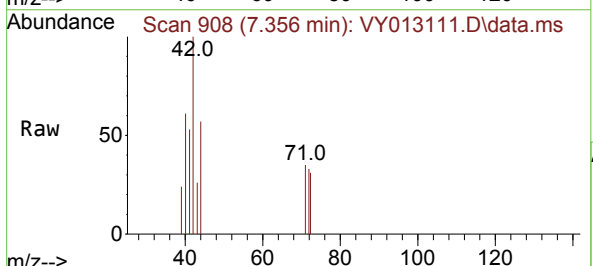
Tgt Ion: 42 Resp: 733

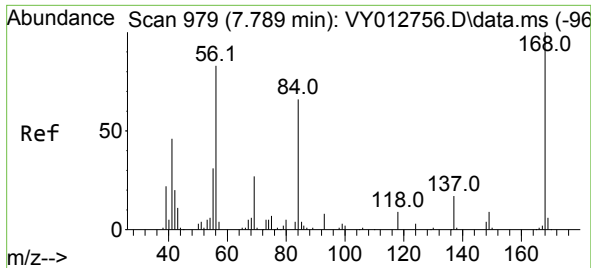
Ion Ratio Lower Upper

42 100

72 26.3 32.3 48.5#

71 28.0 30.3 45.5#

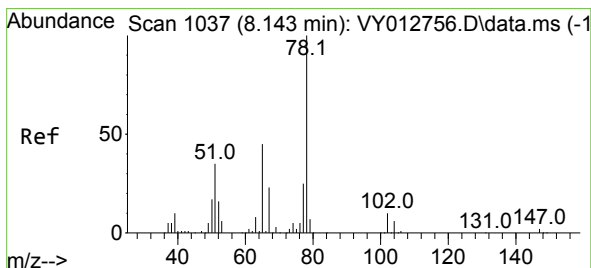
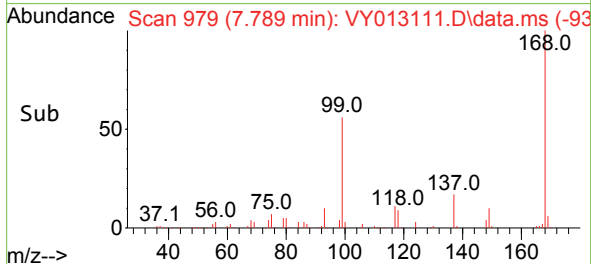
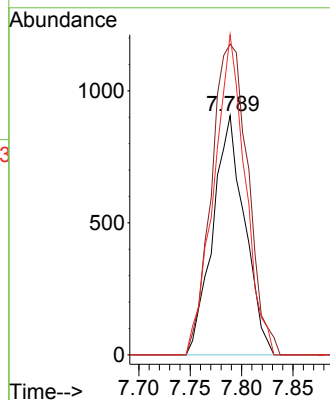
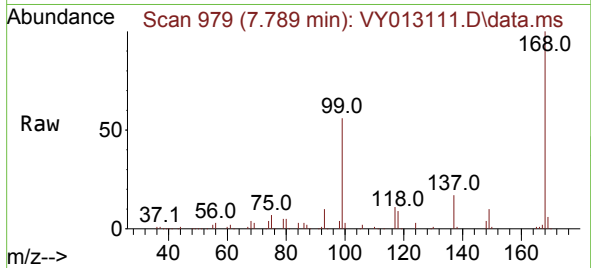




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

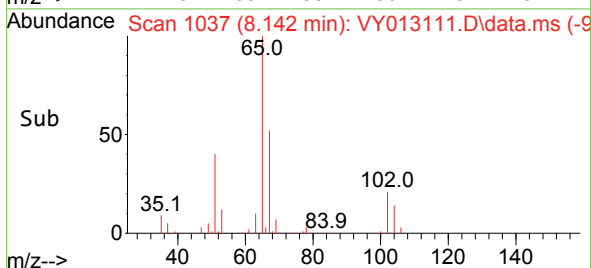
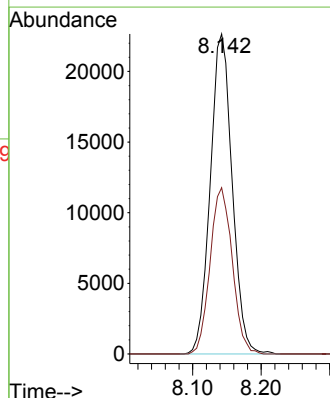
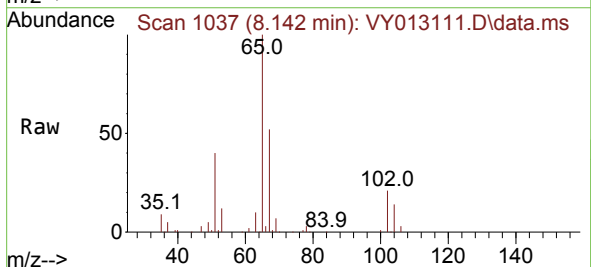
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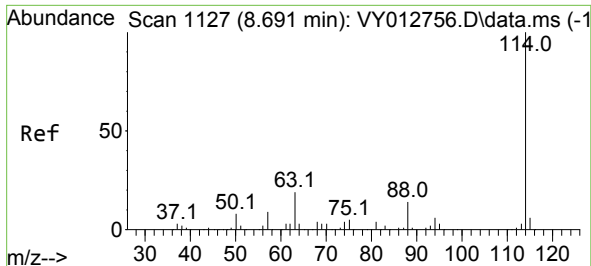
Tgt Ion: 56 Resp: 1953
Ion Ratio Lower Upper
56 100
69 129.9 25.7 38.5#
84 133.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 63.631 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion: 65 Resp: 50286
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0

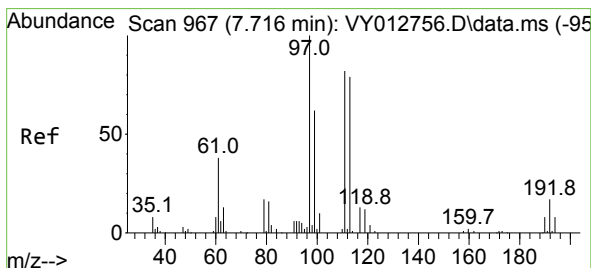
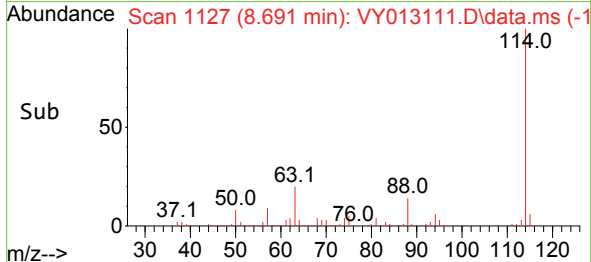
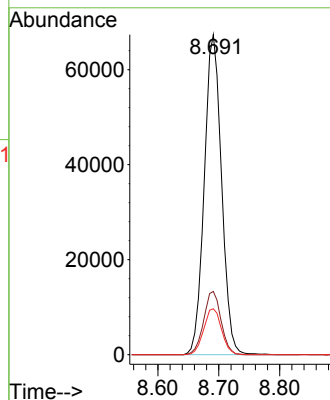
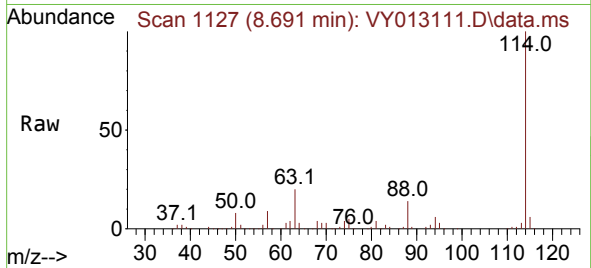




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

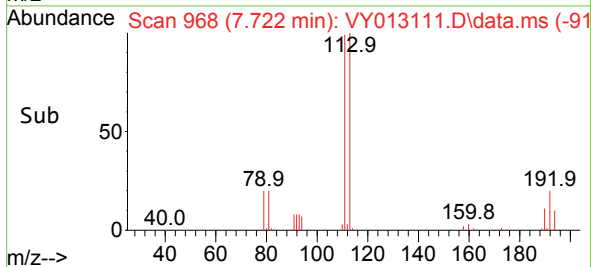
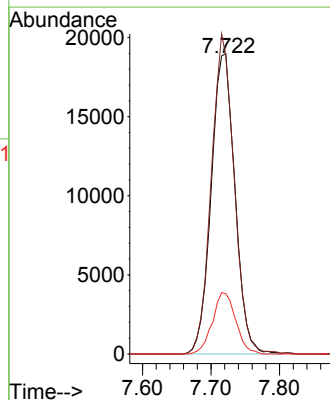
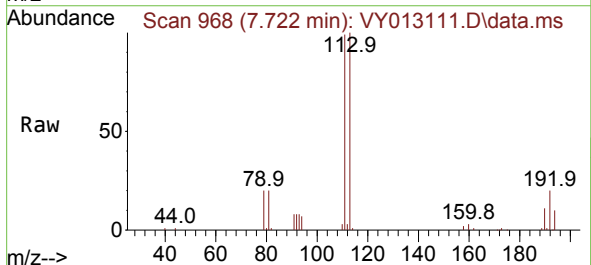
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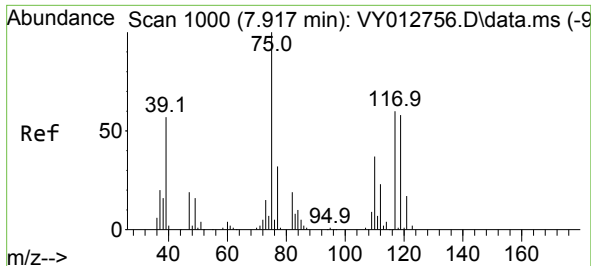
Tgt Ion:114 Resp: 132669
Ion Ratio Lower Upper
114 100
63 19.8 0.0 37.4
88 14.3 0.0 28.6



#35
Dibromofluoromethane
Concen: 57.118 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion:113 Resp: 45732
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.1 16.8 25.2

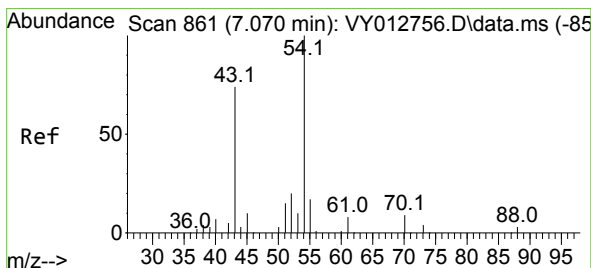
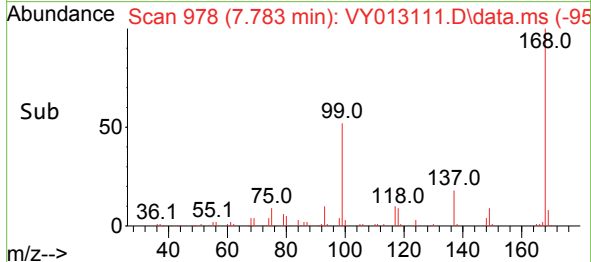
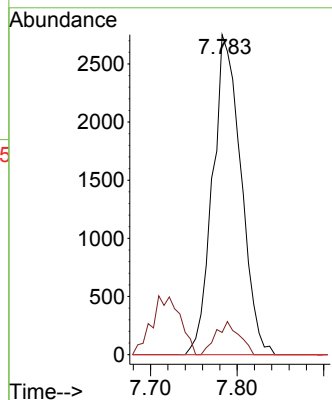
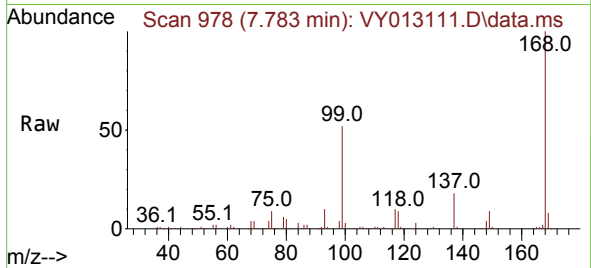




#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

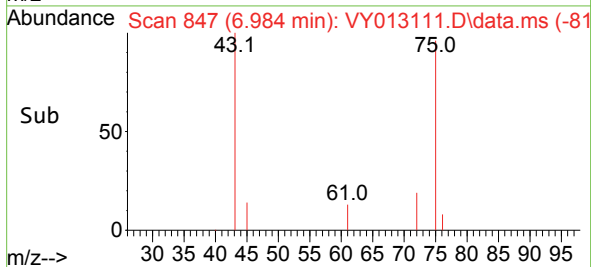
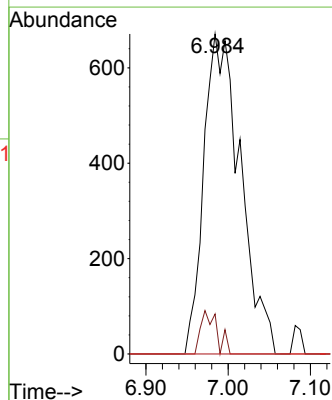
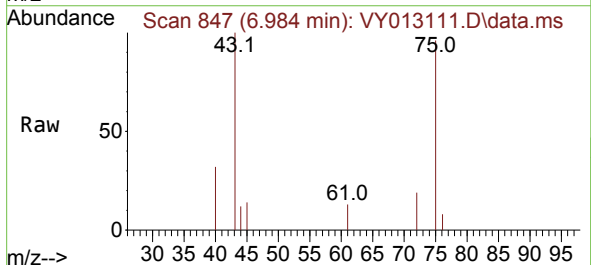
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02RE

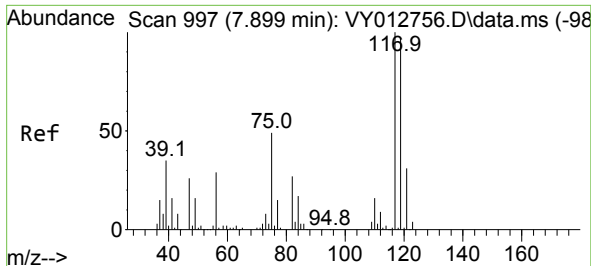
Tgt Ion: 75 Resp: 6248
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.457 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

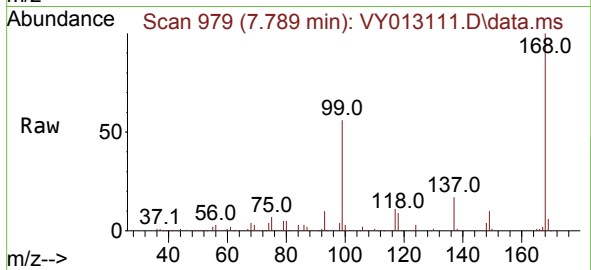
Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
61 6.0 10.7 16.1#
70 0.0 7.8 11.8#



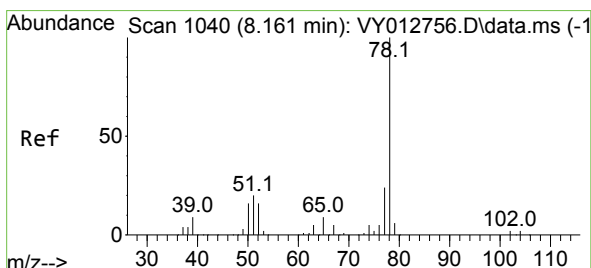
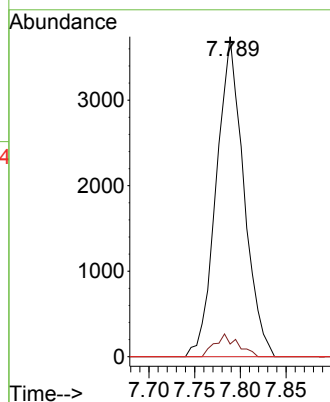
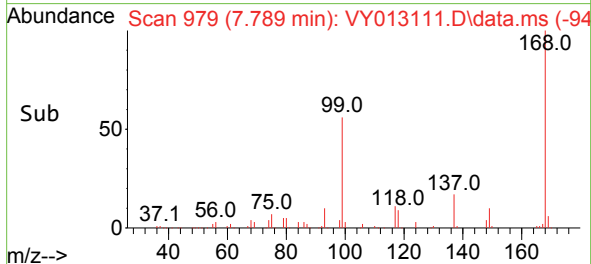


#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02RE

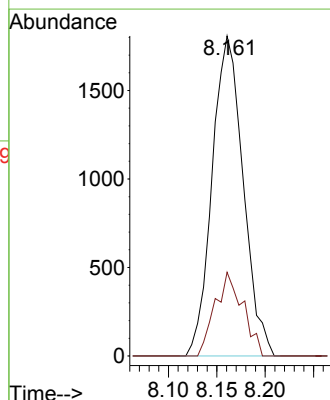
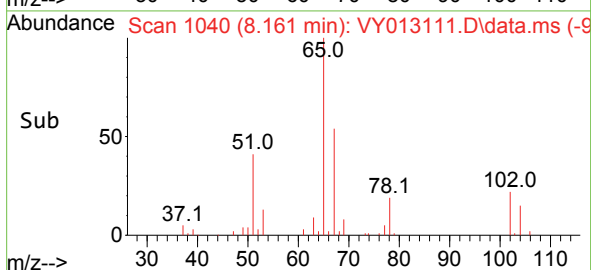
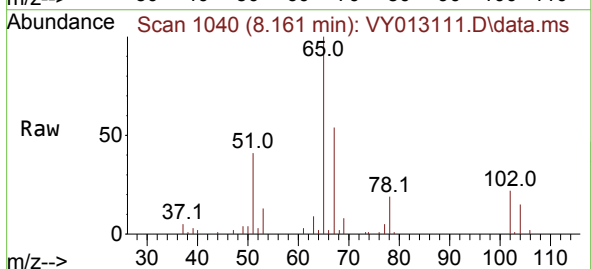


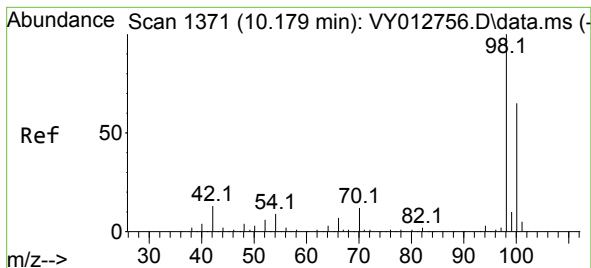
Tgt Ion:117 Resp: 7789
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 1.063 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion: 78 Resp: 4034
Ion Ratio Lower Upper
78 100
77 26.2 19.4 29.0





#50

Toluene-d8

Concen: 52.218 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

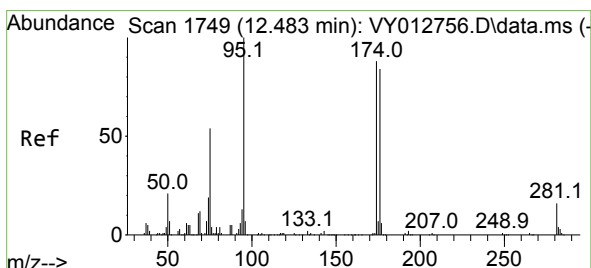
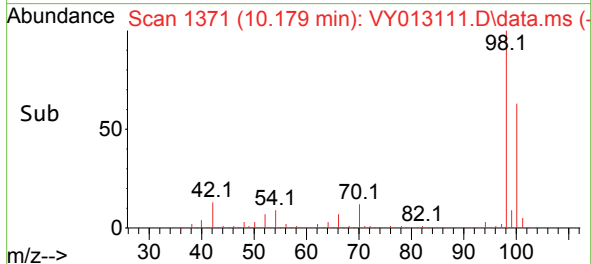
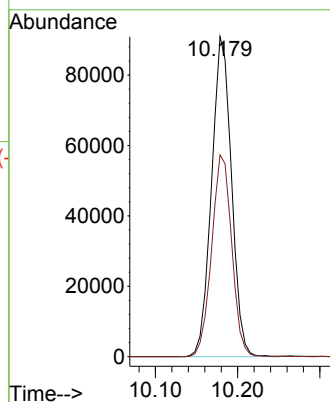
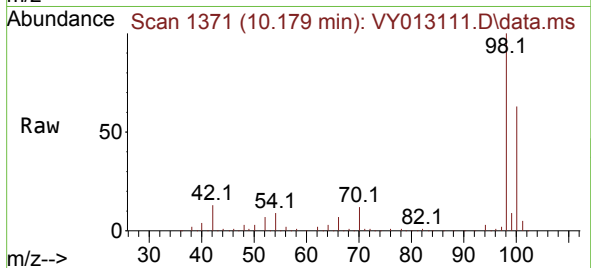
B-37-SB02RE

Tgt Ion: 98 Resp: 152845

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 36.481 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

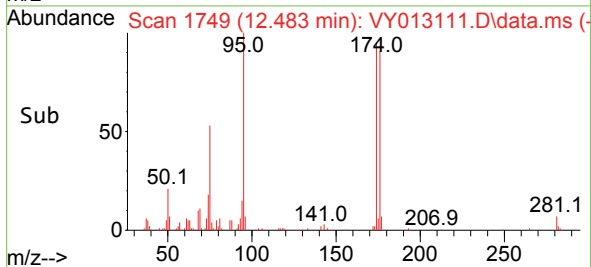
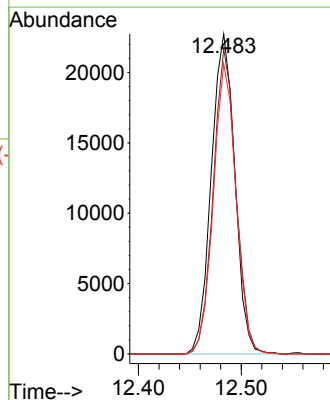
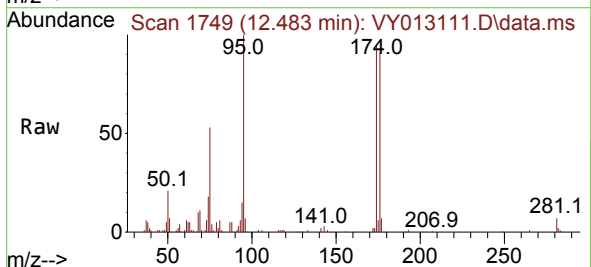
Tgt Ion: 95 Resp: 36041

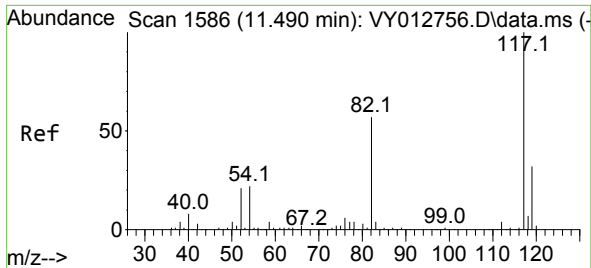
Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.6

176 87.6 0.0 170.2

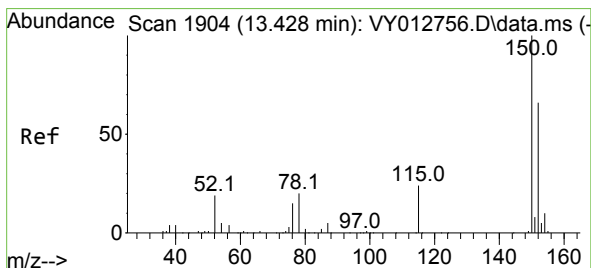
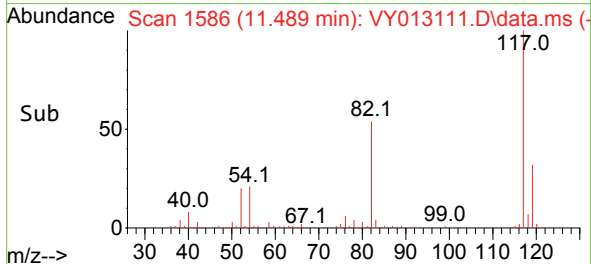
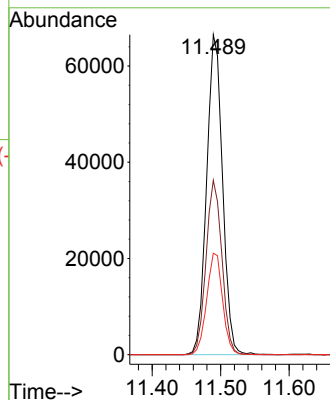
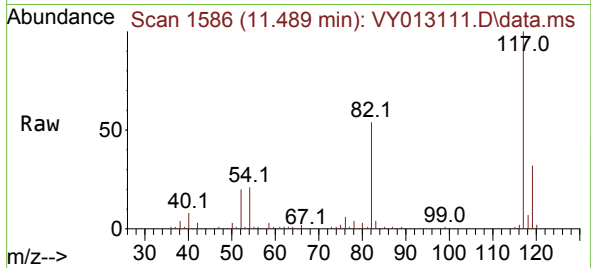




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

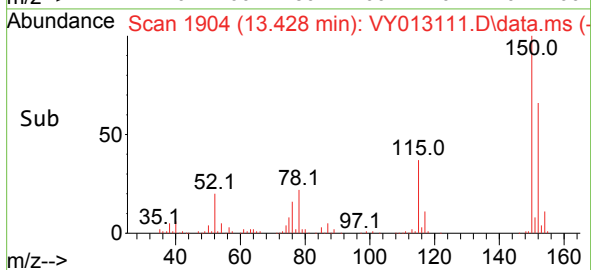
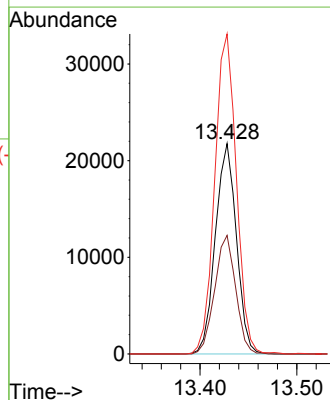
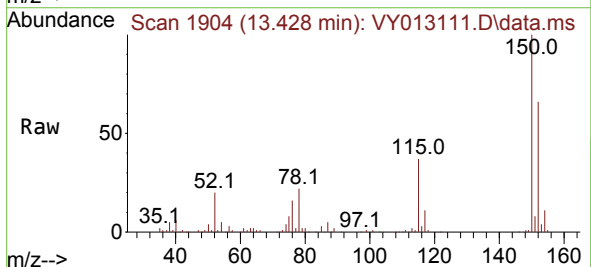
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02RE

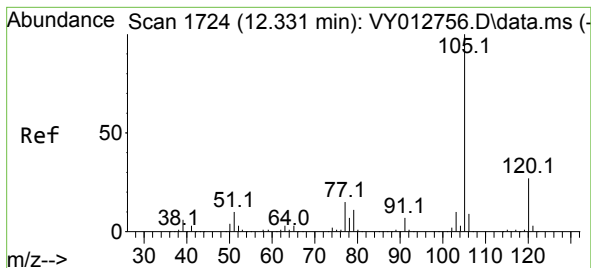
Tgt Ion:117 Resp: 107361
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013111.D
Acq: 28 Mar 2023 13:04

Tgt Ion:152 Resp: 32859
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 156.0 0.0 347.8





#73

Isopropylbenzene

Concen: 1.726 ug/l

RT: 12.331 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY013111.D

Acq: 28 Mar 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

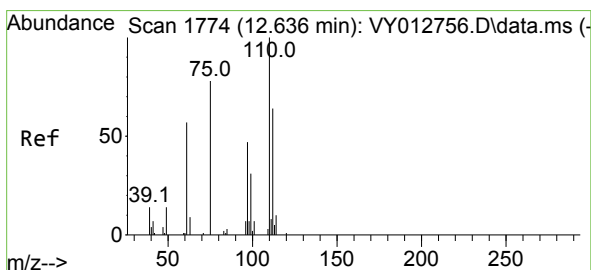
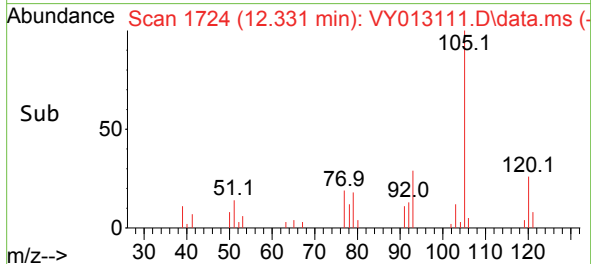
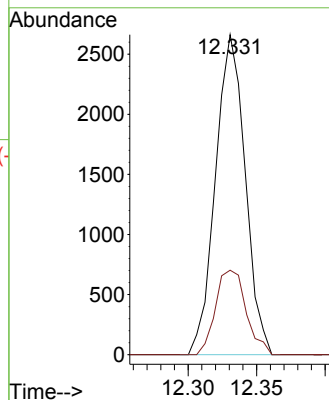
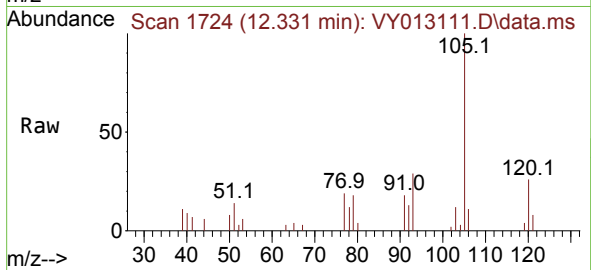
B-37-SB02RE

Tgt Ion:105 Resp: 4019

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



#76

1,2,3-Trichloropropane

Concen: 48.342 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY013111.D

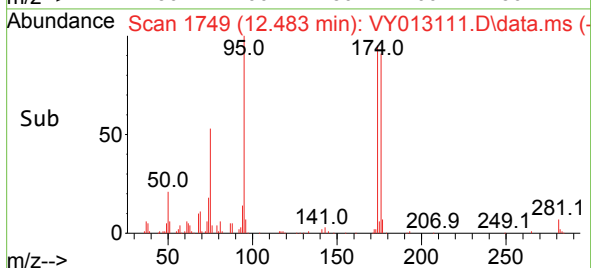
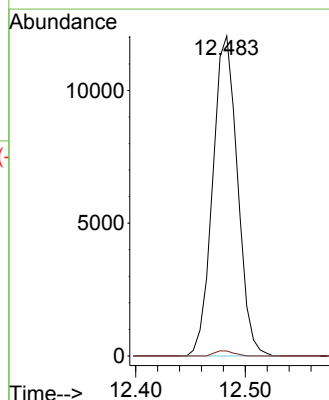
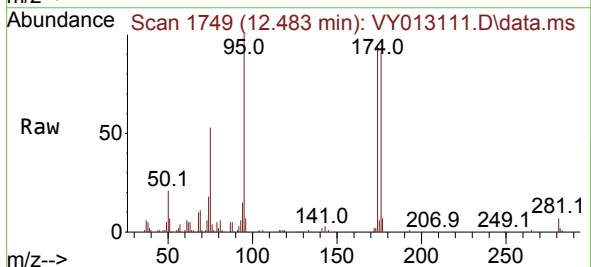
Acq: 28 Mar 2023 13:04

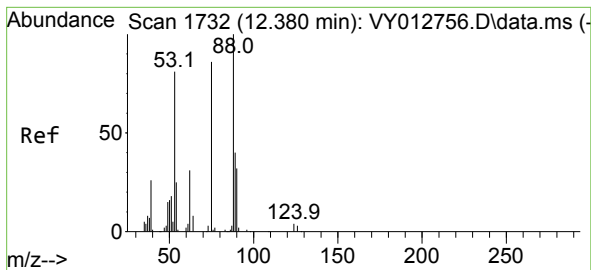
Tgt Ion: 75 Resp: 18969

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.167 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY013111.D
 Acq: 28 Mar 2023 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-37-SB02RE

Tgt Ion: 75 Resp: 18969
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

