

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013096.D
 Acq On : 27 Mar 2023 16:54
 Operator : KP/MD
 Sample : 02104-02
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-37-SB02

Quant Time: Mar 28 01:45:51 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)

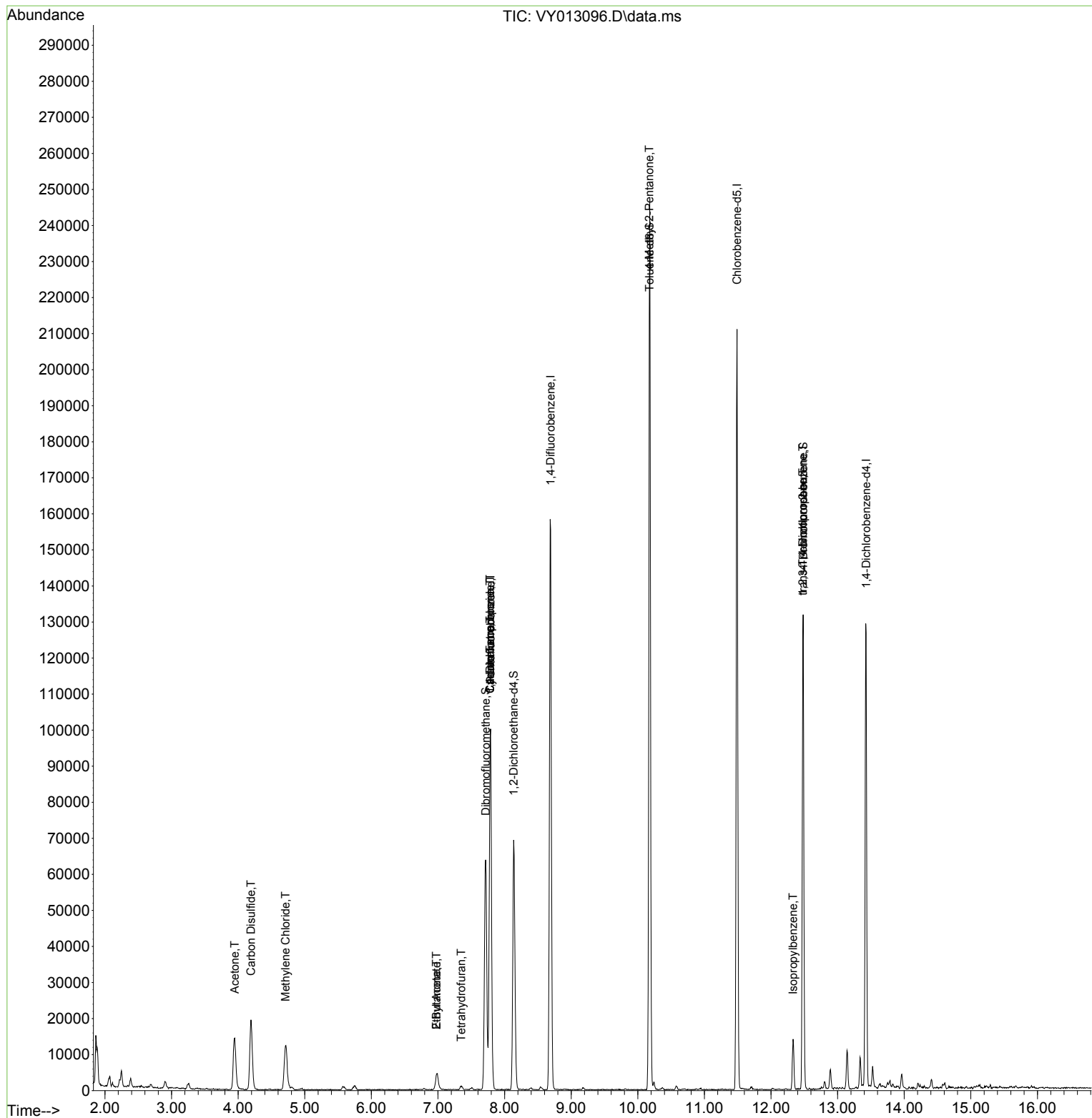
Internal Standards						
1) Pentafluorobenzene	7.789	168	78736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	133744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	110533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	33737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51251	65.560	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.120%	
35) Dibromofluoromethane	7.716	113	46265	57.319	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.640%	
50) Toluene-d8	10.179	98	157998	53.545	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.080%	
62) 4-Bromofluorobenzene	12.483	95	38257	38.412	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	532	Below Cal	#	74
16) Acetone	3.948	43	26344	85.855	ug/l	99
17) Carbon Disulfide	4.192	76	38648	14.004	ug/l	100
20) Methylene Chloride	4.710	84	8998	4.747	ug/l #	90
25) 2-Butanone	6.978	43	7742	20.371	ug/l	90
29) Tetrahydrofuran	7.350	42	790	3.447	ug/l #	53
31) Cyclohexane	7.783	56	2110	1.409	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	6233	4.608	ug/l #	50
37) Ethyl Acetate	6.978	43	7742	9.081	ug/l #	70
38) Carbon Tetrachloride	7.783	117	7709	5.519	ug/l #	15
51) 4-Methyl-2-Pentanone	10.172	43	888	1.076	ug/l #	1
73) Isopropylbenzene	12.331	105	3853	1.611	ug/l	91
76) 1,2,3-Trichloropropane	12.477	75	20286	50.353	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	20286	104.333	ug/l #	13

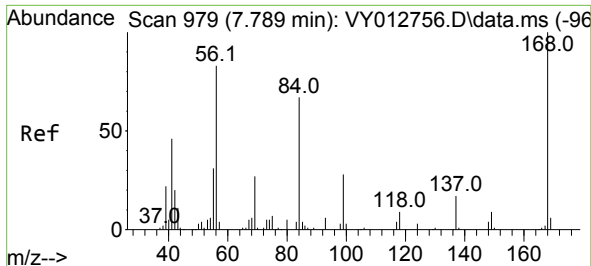
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
Data File : VY013096.D
Acq On : 27 Mar 2023 16:54
Operator : KP/MD
Sample : 02104-02
Misc : 5.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

Quant Time: Mar 28 01:45:51 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

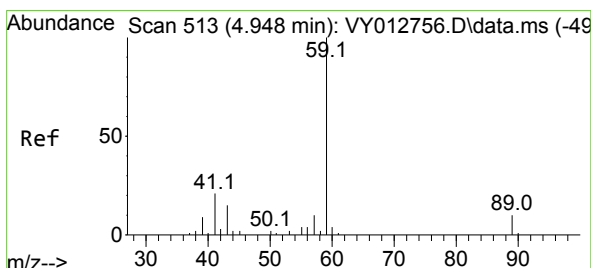
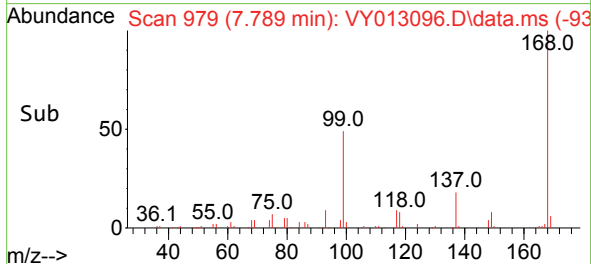
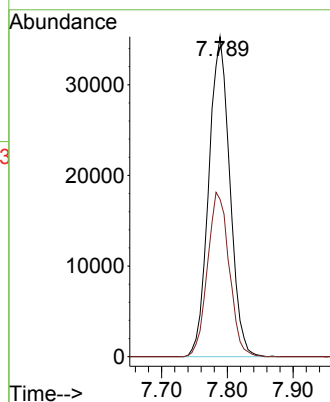
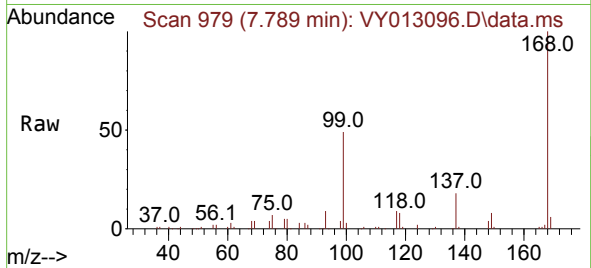




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

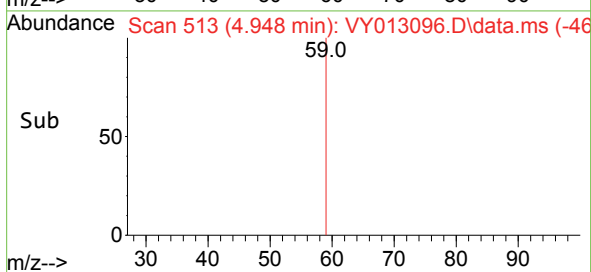
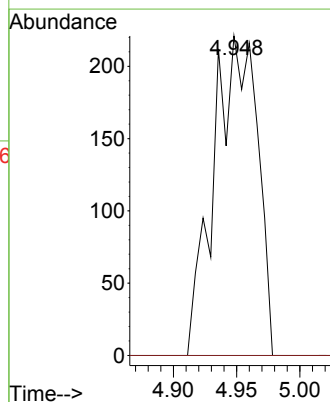
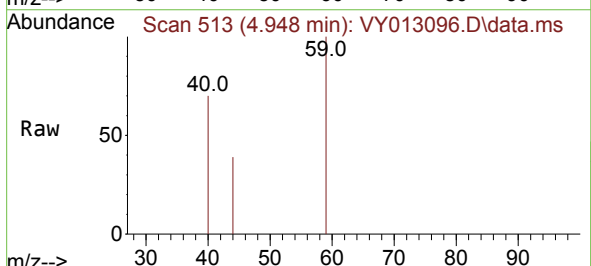
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

Tgt Ion:168 Resp: 78736
Ion Ratio Lower Upper
168 100
99 49.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Tgt Ion: 59 Resp: 532
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 85.855 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY013096.D

Acq: 27 Mar 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

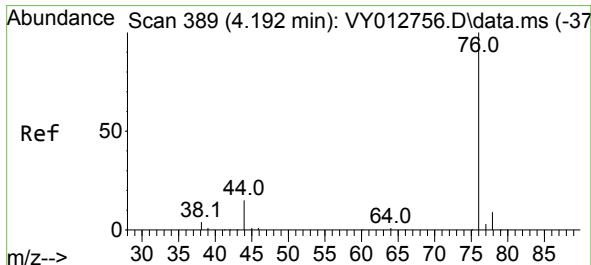
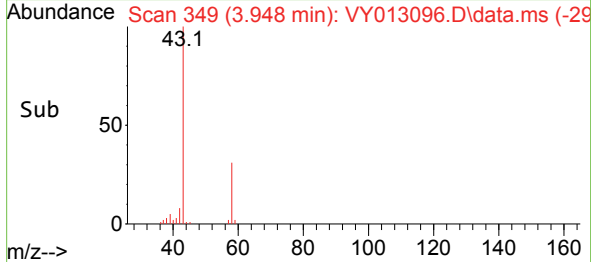
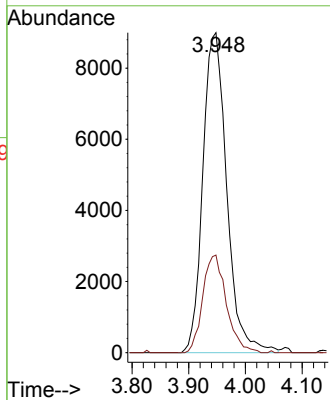
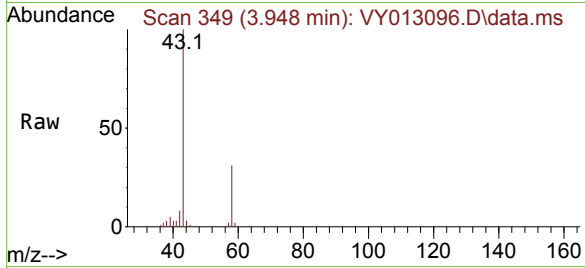
B-37-SB02

Tgt Ion: 43 Resp: 26344

Ion Ratio Lower Upper

43 100

58 30.5 24.2 36.2



#17

Carbon Disulfide

Concen: 14.004 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY013096.D

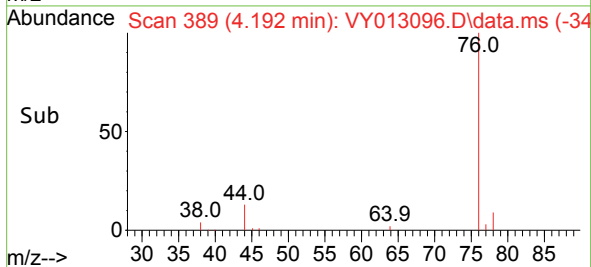
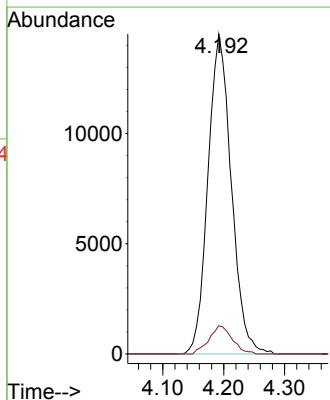
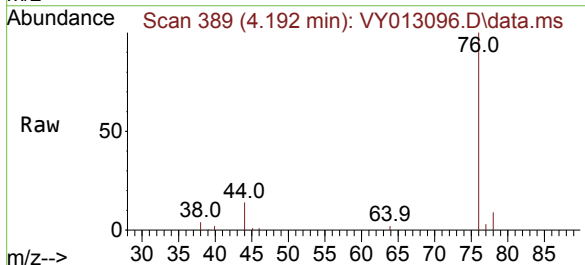
Acq: 27 Mar 2023 16:54

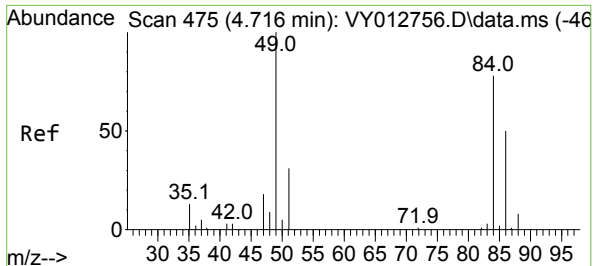
Tgt Ion: 76 Resp: 38648

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

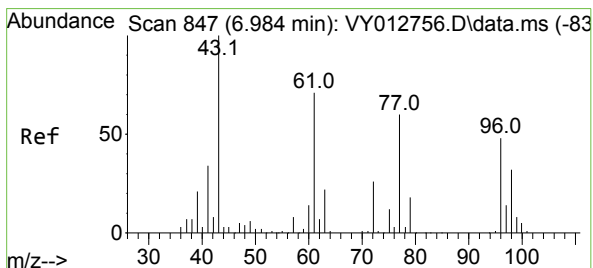
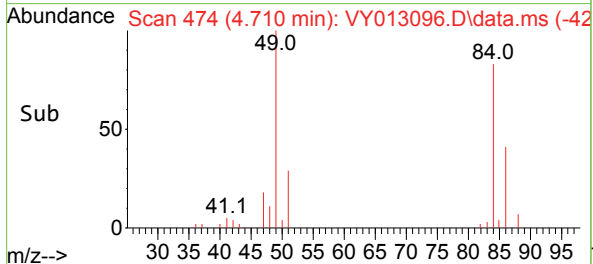
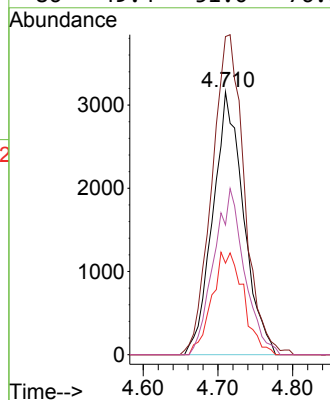
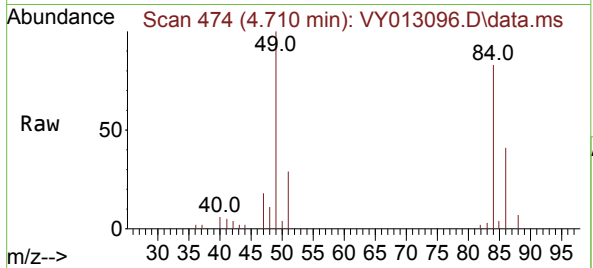




#20
Methylene Chloride
Concen: 4.747 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

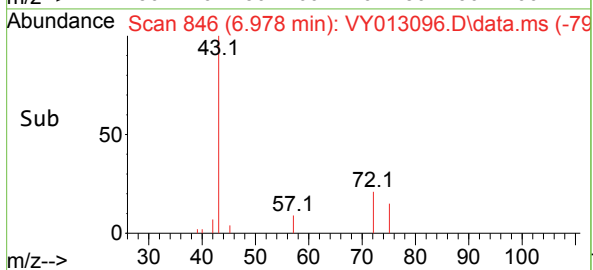
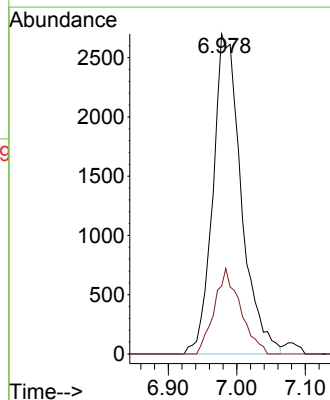
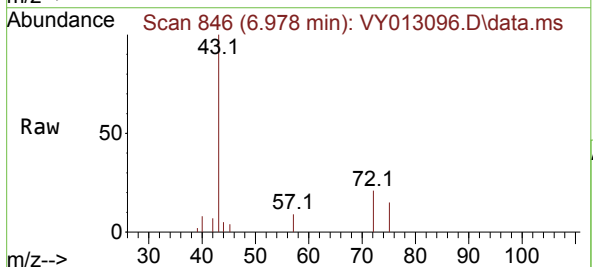
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

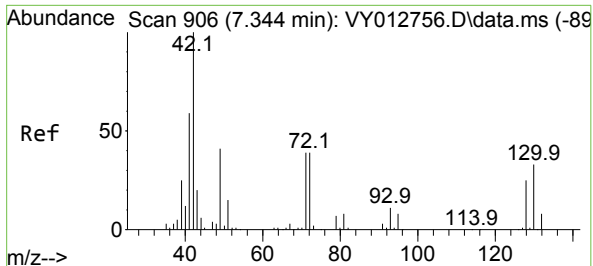
Tgt Ion: 84	Resp: 8998
Ion Ratio	Lower Upper
84 100	
49 121.1	102.6 154.0
51 34.9	31.9 47.9
86 49.4	51.0 76.6#



#25
2-Butanone
Concen: 20.371 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Tgt Ion: 43	Resp:	7742	
Ion	Ratio	Lower	Upper
43	100		
72	21.2	21.0	31.4





#29

Tetrahydrofuran

Concen: 3.447 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013096.D

Acq: 27 Mar 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

B-37-SB02

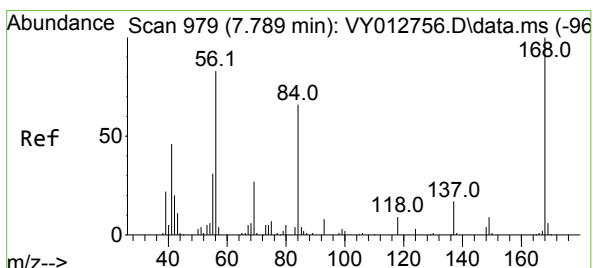
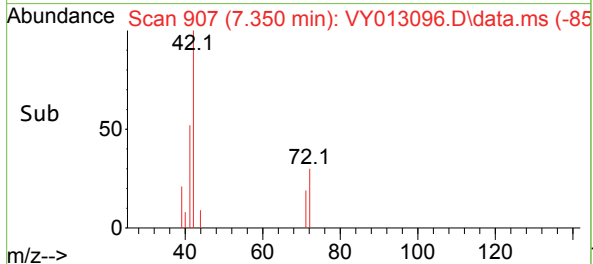
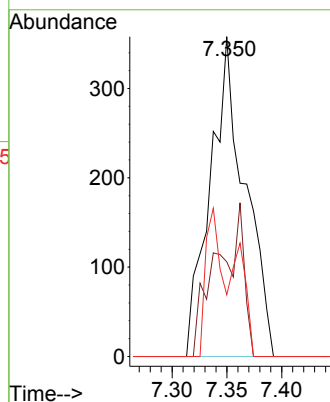
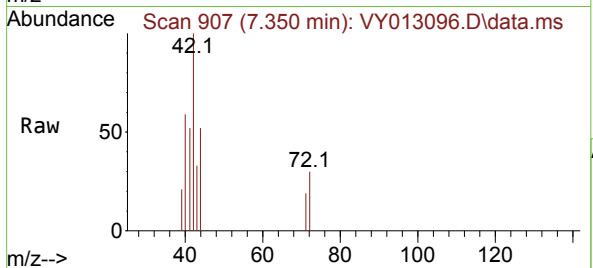
Tgt Ion: 42 Resp: 790

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 21.5 30.3 45.5#



#31

Cyclohexane

Concen: 1.409 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013096.D

Acq: 27 Mar 2023 16:54

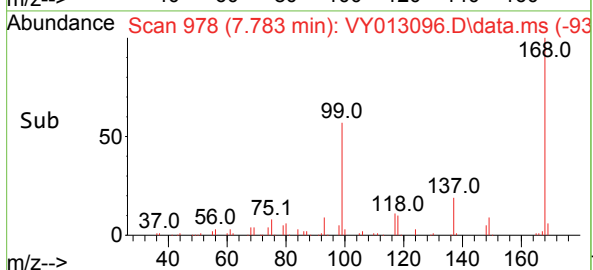
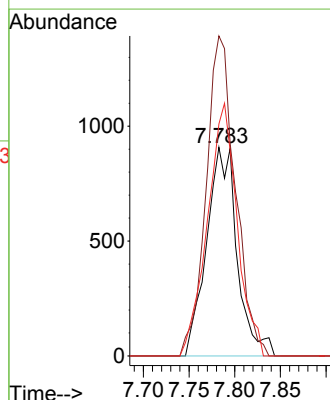
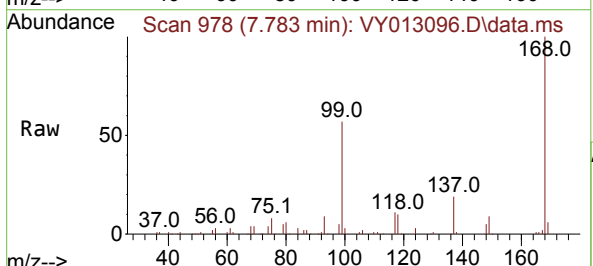
Tgt Ion: 56 Resp: 2110

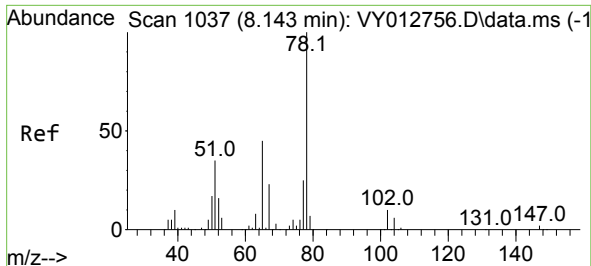
Ion Ratio Lower Upper

56 100

69 153.4 25.7 38.5#

84 111.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 65.560 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY013096.D

Acq: 27 Mar 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

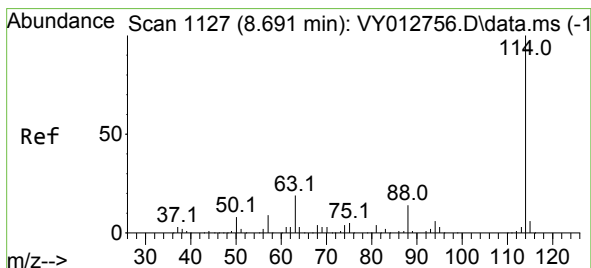
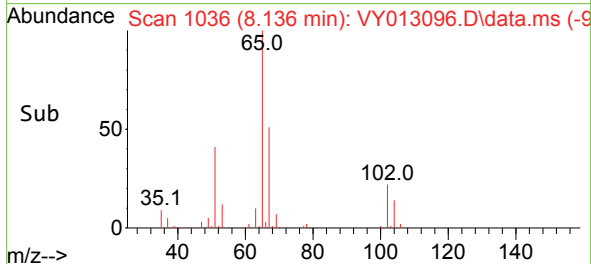
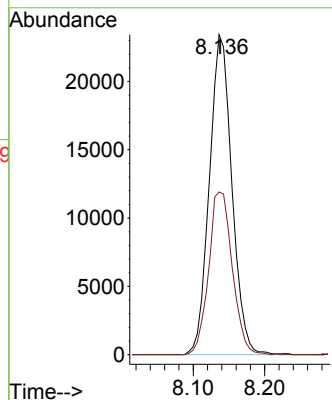
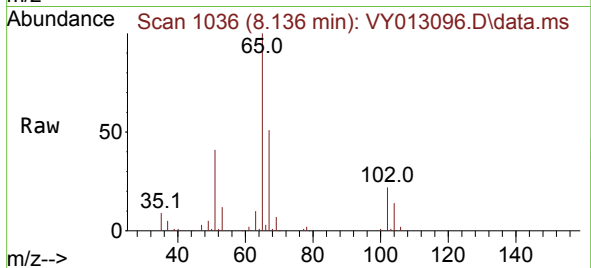
B-37-SB02

Tgt Ion: 65 Resp: 51251

Ion Ratio Lower Upper

65 100

67 53.4 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: VY013096.D

Acq: 27 Mar 2023 16:54

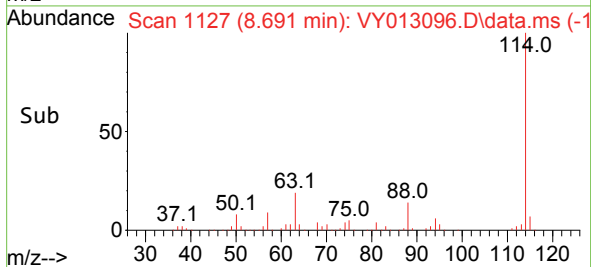
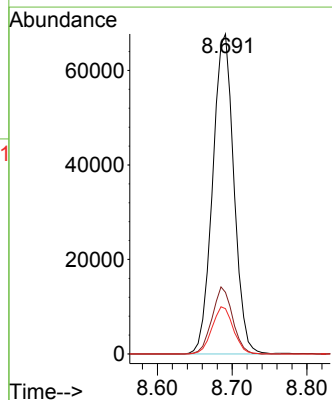
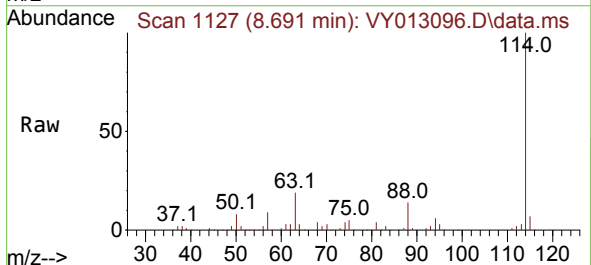
Tgt Ion:114 Resp: 133744

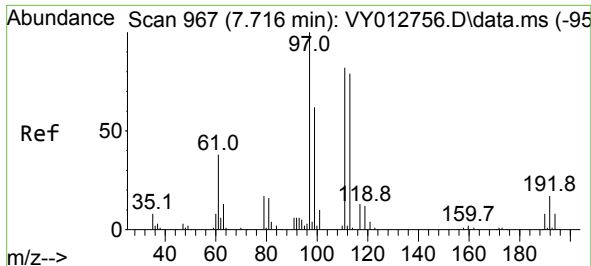
Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 14.2 0.0 28.6

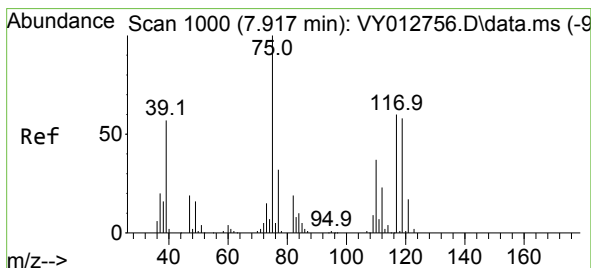
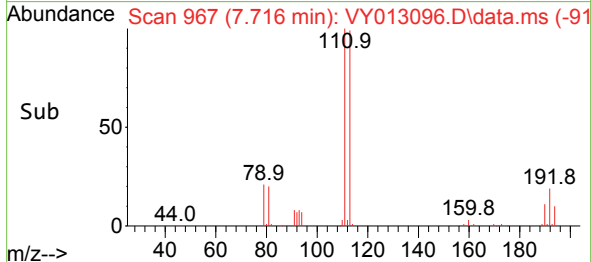
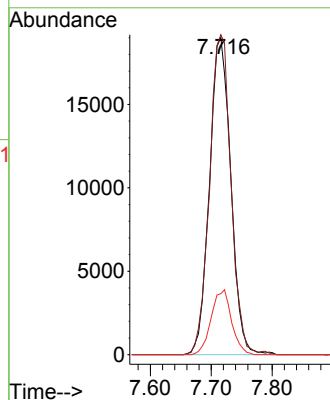
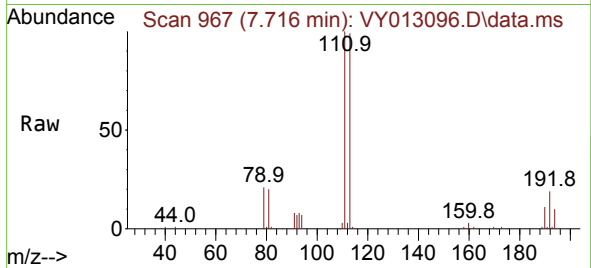




#35
Dibromofluoromethane
Concen: 57.319 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

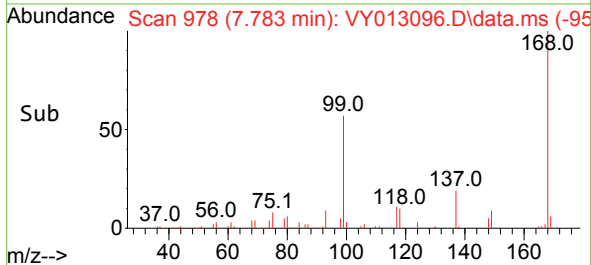
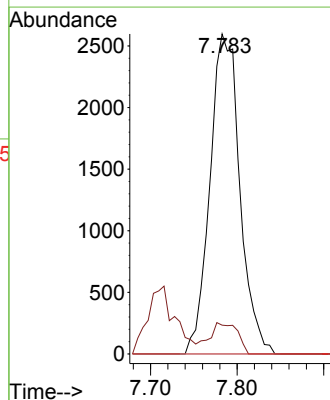
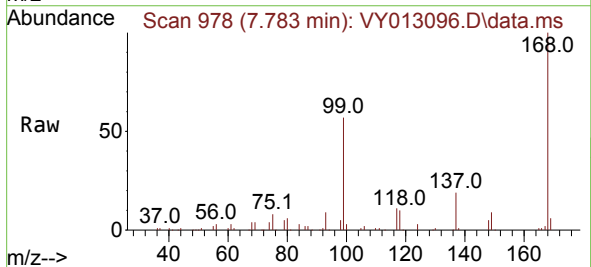
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

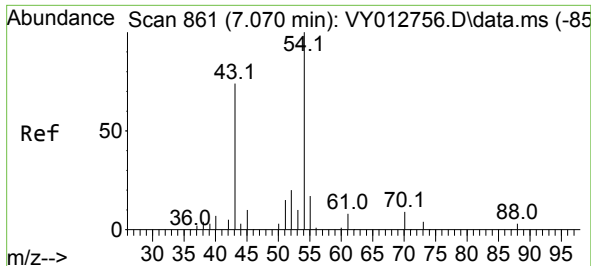
Tgt Ion:113 Resp: 46265
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.2
192 19.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.608 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

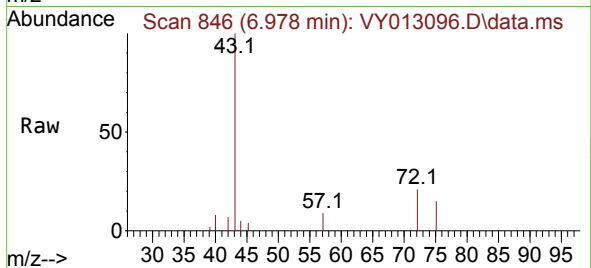
Tgt Ion: 75 Resp: 6233
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.3#
77 0.0 25.0 37.4#



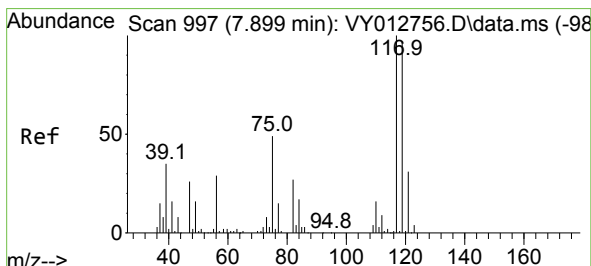
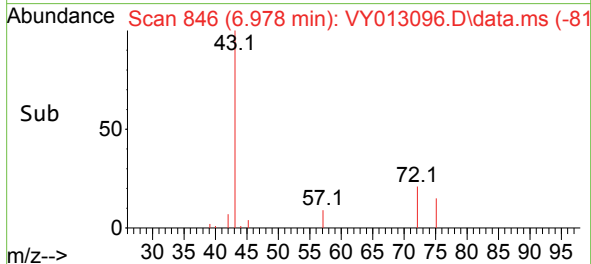
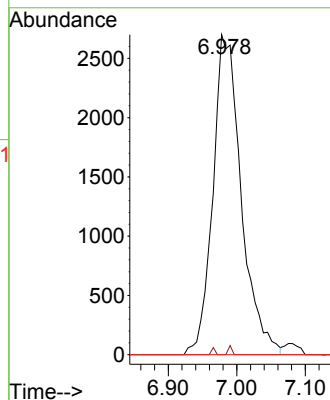


#37
Ethyl Acetate
Concen: 9.081 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

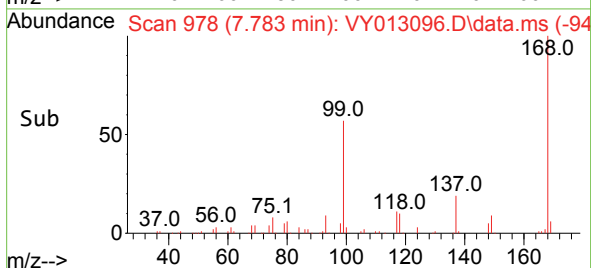
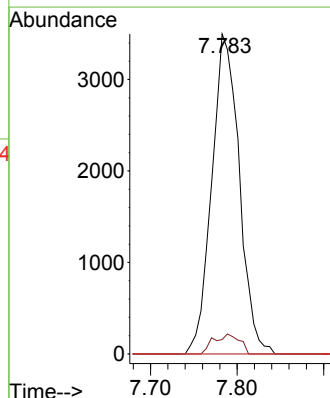
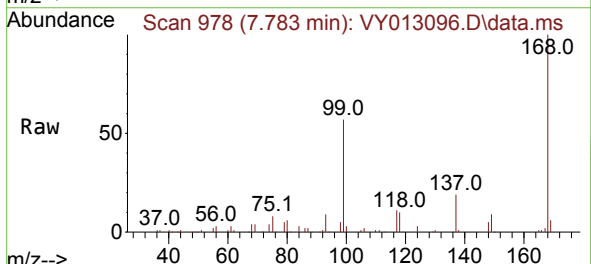


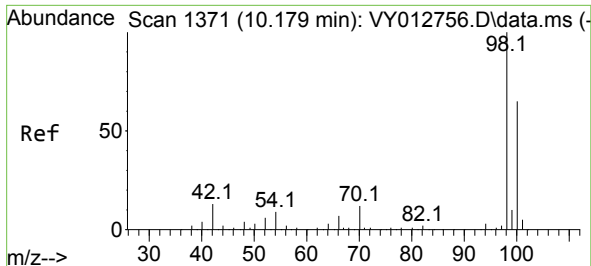
Tgt Ion: 43 Resp: 7742
Ion Ratio Lower Upper
43 100
61 0.3 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Tgt Ion: 117 Resp: 7709
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 24.7 37.1#

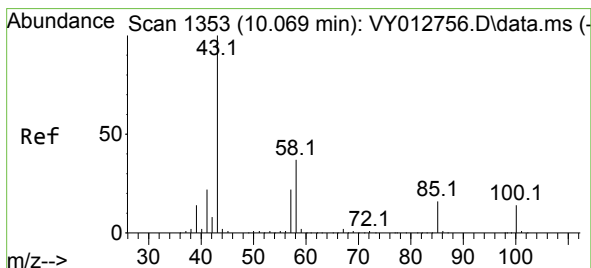
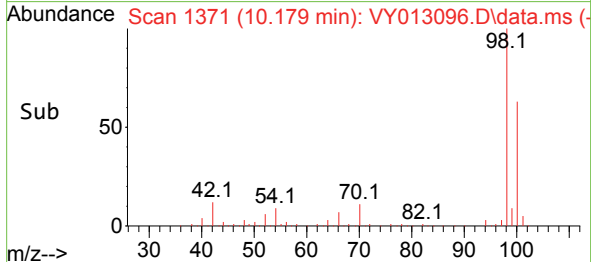
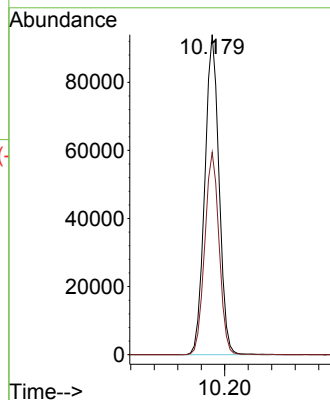
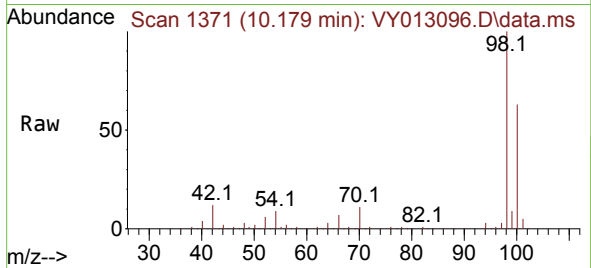




#50
Toluene-d8
Concen: 53.545 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

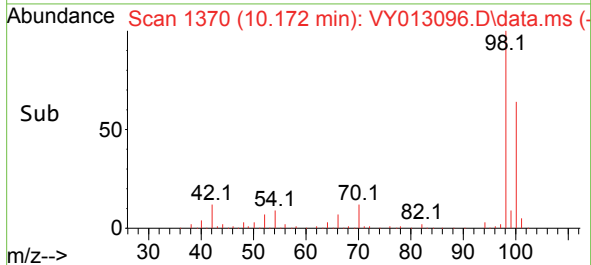
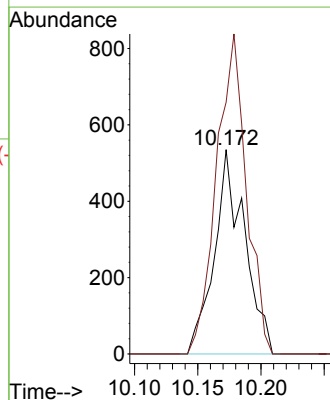
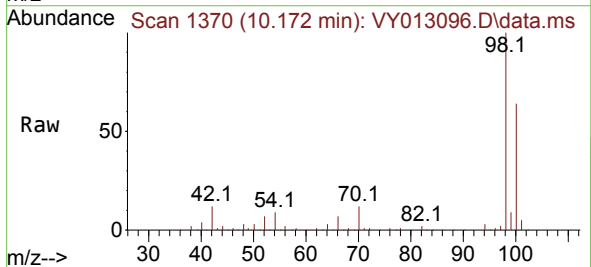
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

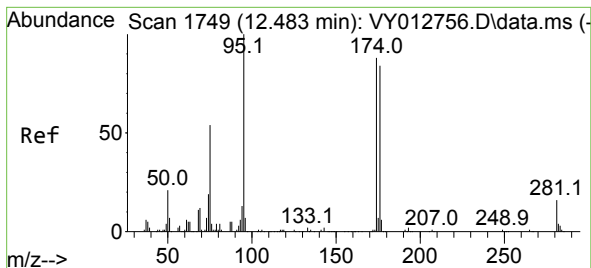
Tgt Ion: 98 Resp: 157998
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.076 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. 0.103 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 155.2 29.8 44.6#

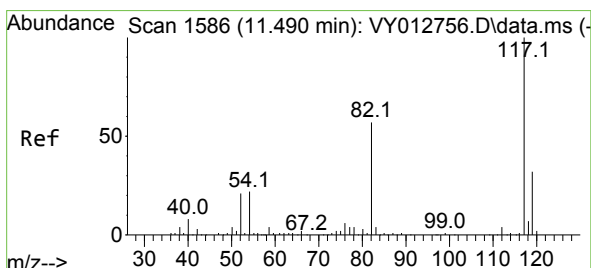
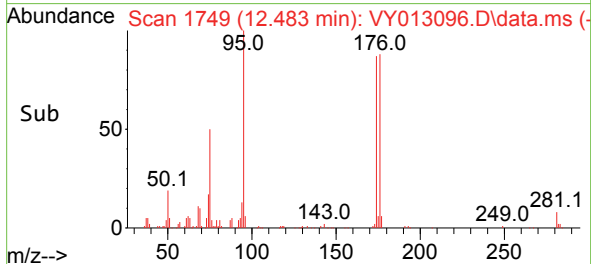
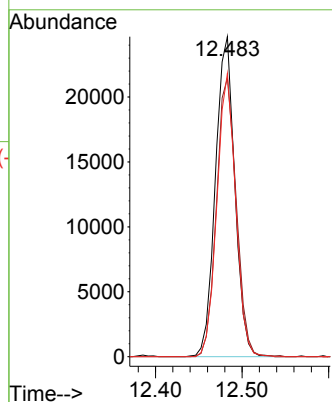
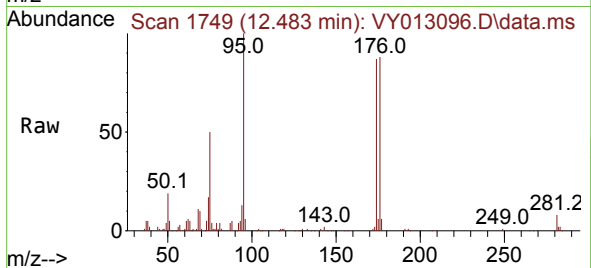




#62
4-Bromofluorobenzene
Concen: 38.412 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

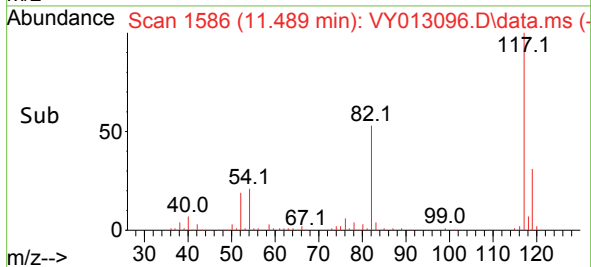
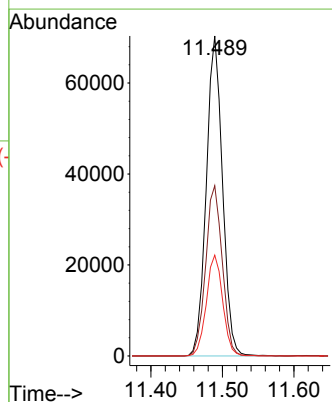
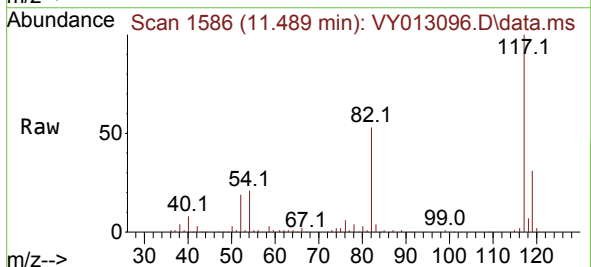
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

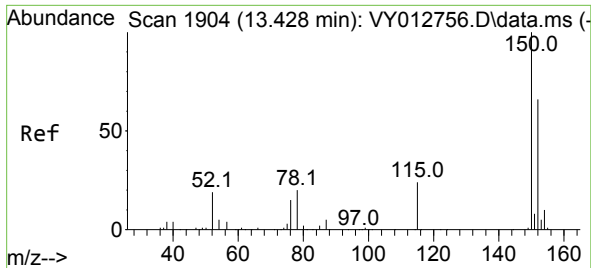
Tgt Ion: 95 Resp: 38257
Ion Ratio Lower Upper
95 100
174 89.2 0.0 176.6
176 85.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Tgt Ion: 117 Resp: 110533
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 31.5 25.6 38.4

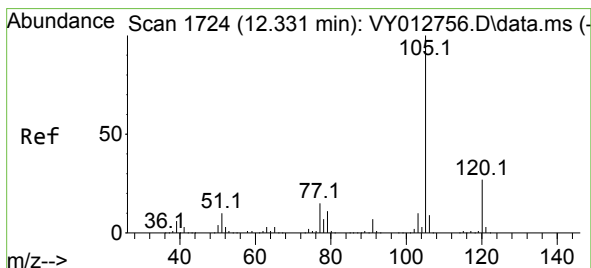
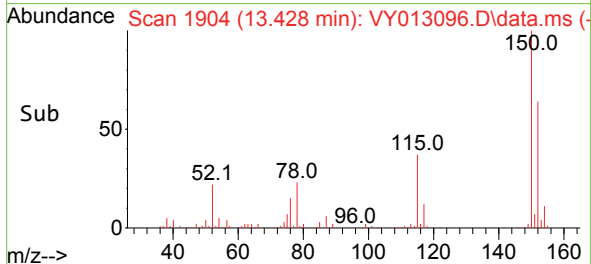
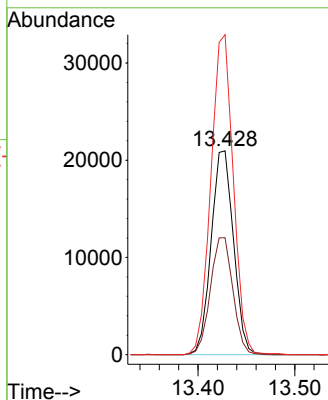
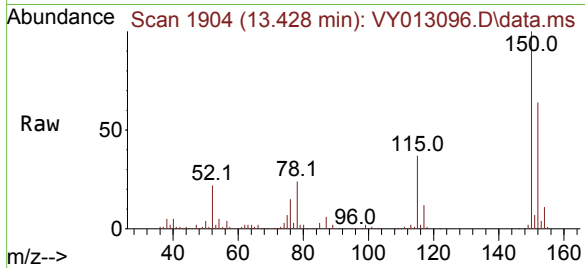




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

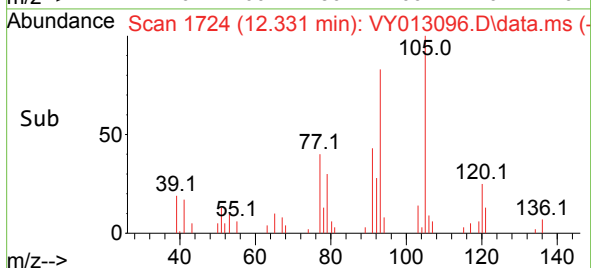
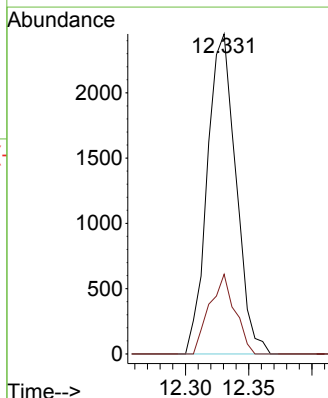
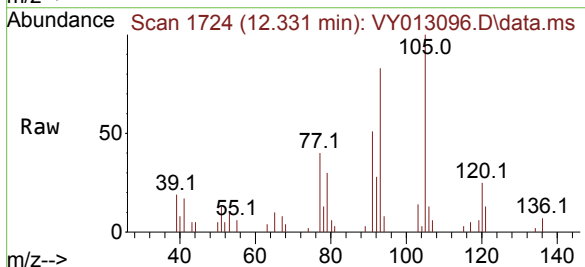
Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

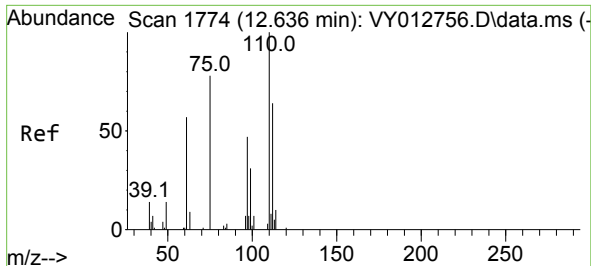
Tgt Ion:152 Resp: 33737
Ion Ratio Lower Upper
152 100
115 57.8 27.1 81.3
150 157.0 0.0 347.8



#73
Isopropylbenzene
Concen: 1.611 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Tgt Ion:105 Resp: 3853
Ion Ratio Lower Upper
105 100
120 22.1 13.4 40.2

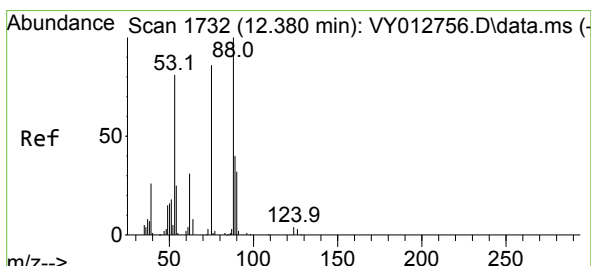
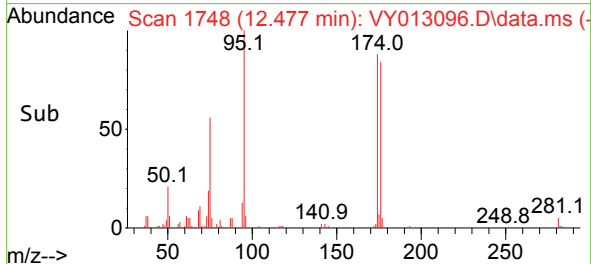
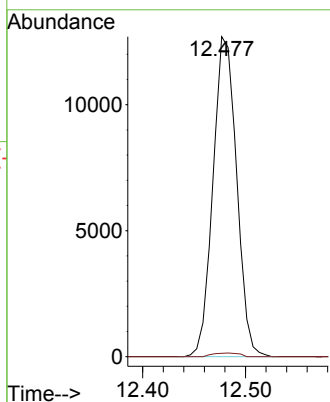
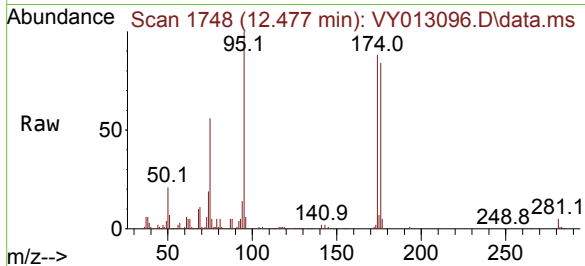




#76
1,2,3-Trichloropropane
Concen: 50.353 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Instrument :
MSVOA_Y
ClientSampleId :
B-37-SB02

Tgt Ion: 75 Resp: 20286
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.333 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013096.D
Acq: 27 Mar 2023 16:54

Tgt Ion: 75 Resp: 20286
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 36.6 55.0#

