

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013007.D
 Acq On : 20 Mar 2023 14:53
 Operator : KP/MD
 Sample : 02012-02
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-23-SB02

Quant Time: Mar 21 01:13:15 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)

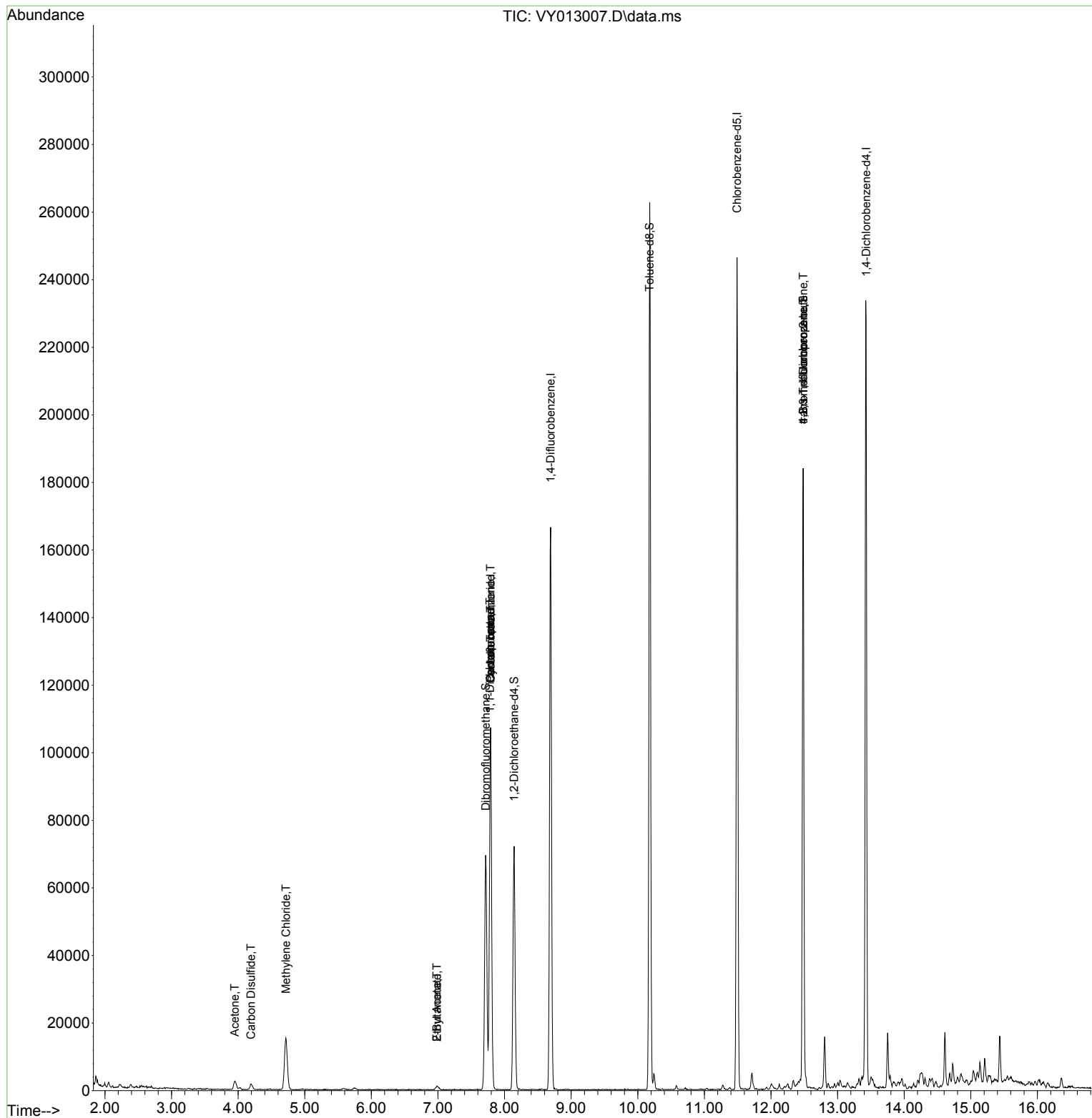
Internal Standards						
1) Pentafluorobenzene	7.789	168	82887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	141889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	128831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54705	66.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.940%	
35) Dibromofluoromethane	7.716	113	48839	57.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.080%	
50) Toluene-d8	10.179	98	168941	53.967	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.940%	
62) 4-Bromofluorobenzene	12.483	95	52528	49.714	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	282	Below Cal	#	74
16) Acetone	3.948	43	4922	15.238	ug/l	97
17) Carbon Disulfide	4.192	76	3355	1.155	ug/l	98
20) Methylene Chloride	4.716	84	10664	6.101	ug/l	96
25) 2-Butanone	6.984	43	1480	3.699	ug/l #	79
31) Cyclohexane	7.789	56	2011	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6452	4.496	ug/l #	48
37) Ethyl Acetate	6.984	43	1480	1.636	ug/l #	69
38) Carbon Tetrachloride	7.789	117	7960	5.372	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	27980	39.375	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27980	81.586	ug/l #	13

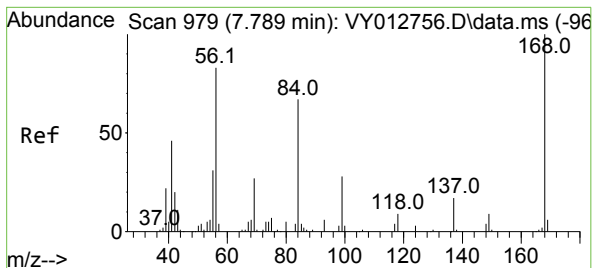
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY013007.D

Acq: 20 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

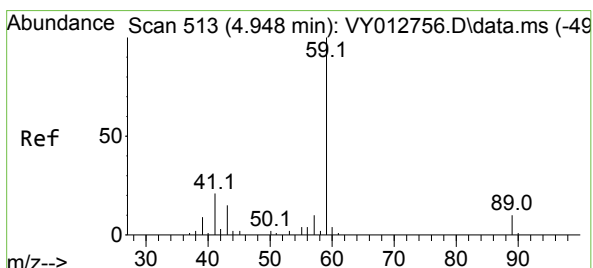
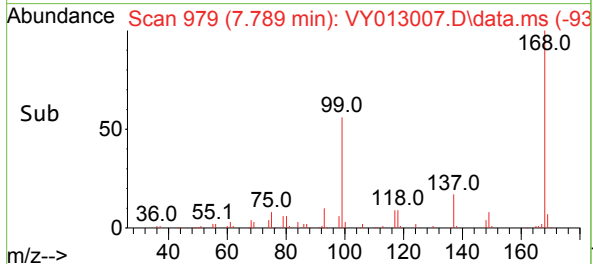
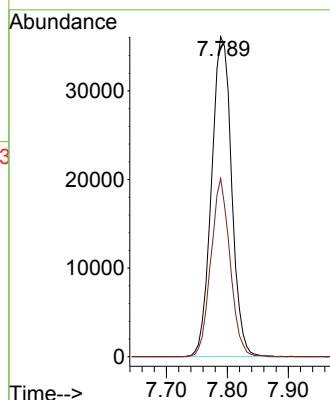
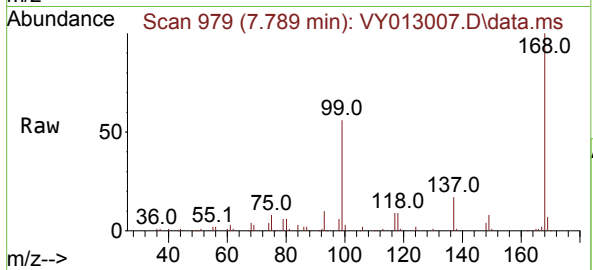
B-23-SB02

Tgt Ion:168 Resp: 82887

Ion Ratio Lower Upper

168 100

99 55.7 41.7 62.5



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.966 min Scan# 516

Delta R.T. 0.018 min

Lab File: VY013007.D

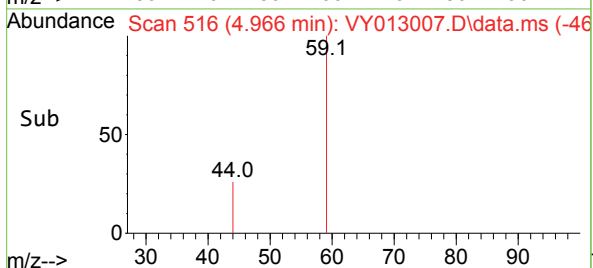
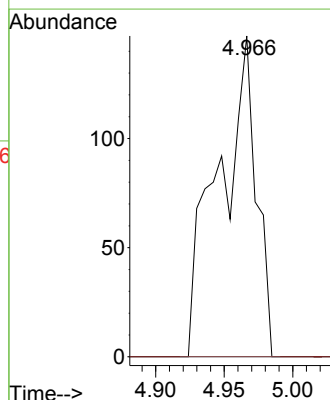
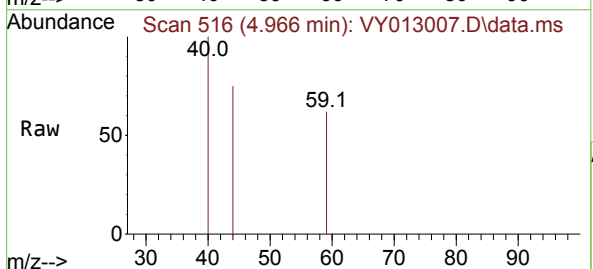
Acq: 20 Mar 2023 14:53

Tgt Ion: 59 Resp: 282

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#

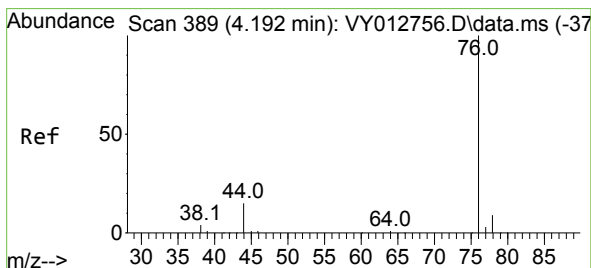
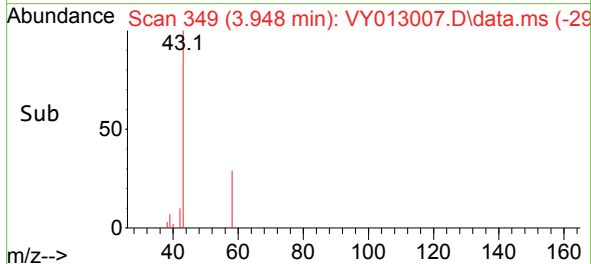
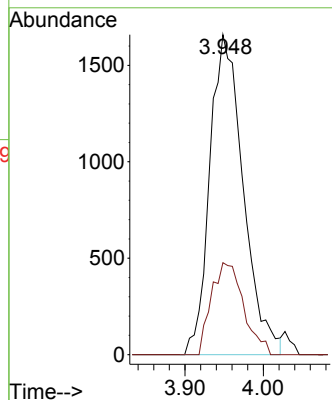
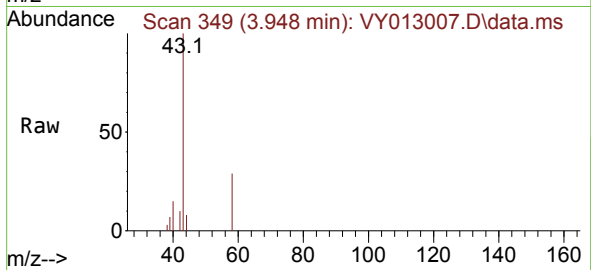




#16
Acetone
Concen: 15.238 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

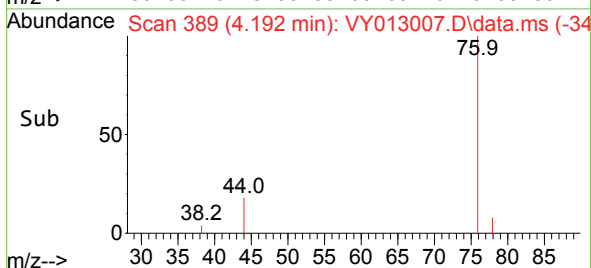
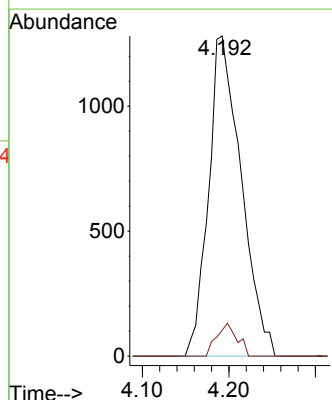
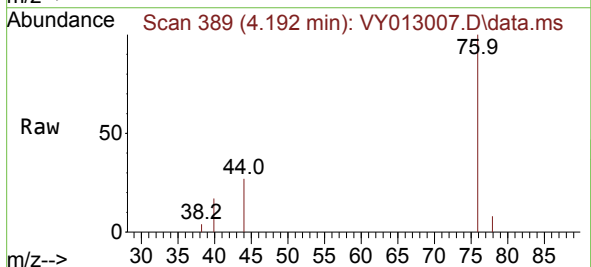
Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB02

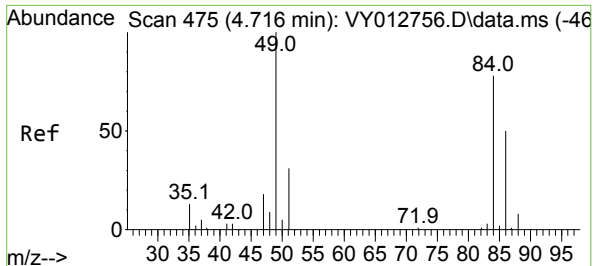
Tgt Ion: 43 Resp: 4922
Ion Ratio Lower Upper
43 100
58 28.8 24.2 36.2



#17
Carbon Disulfide
Concen: 1.155 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

Tgt Ion: 76 Resp: 3355
Ion Ratio Lower Upper
76 100
78 8.0 7.1 10.7

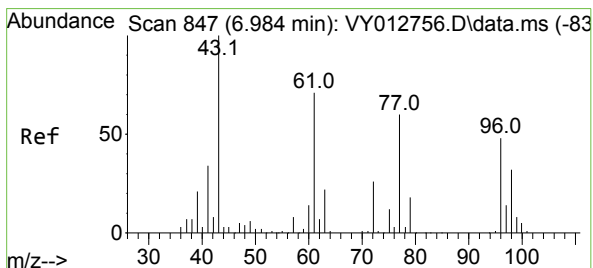
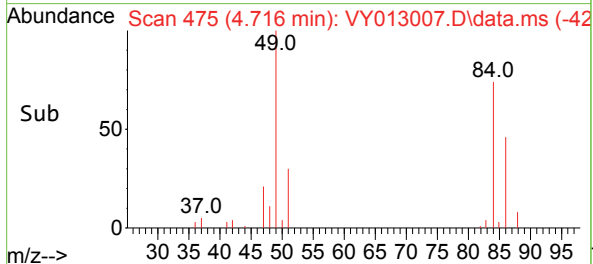
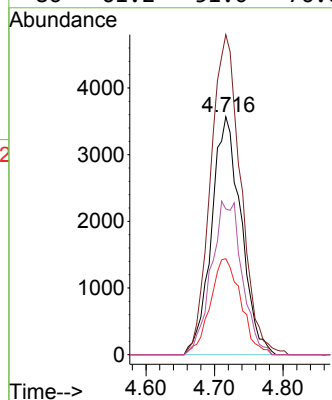
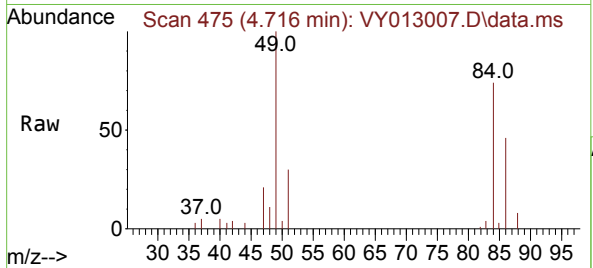




#20
Methylene Chloride
Concen: 6.101 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

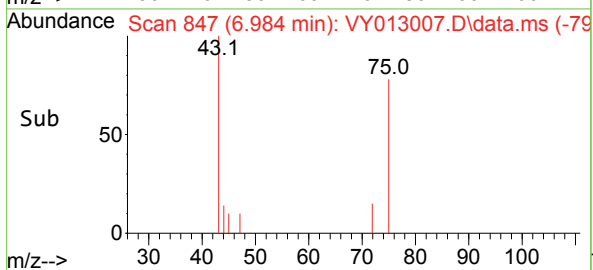
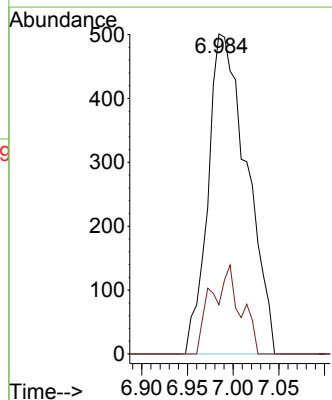
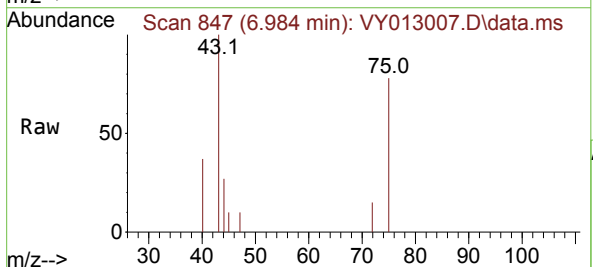
Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB02

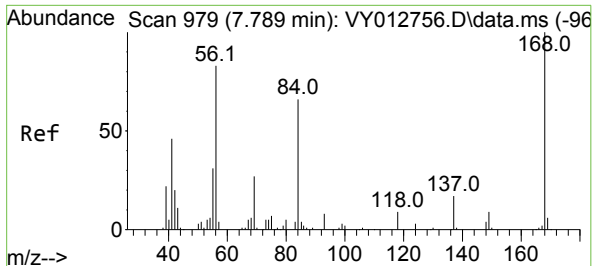
Tgt Ion:	84	Resp:	10664
Ion	Ratio	Lower	Upper
84	100		
49	134.5	102.6	154.0
51	40.3	31.9	47.9
86	61.2	51.0	76.6



#25
2-Butanone
Concen: 3.699 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

Tgt Ion:	43	Resp:	1480
Ion	Ratio	Lower	Upper
43	100		
72	15.4	21.0	31.4#

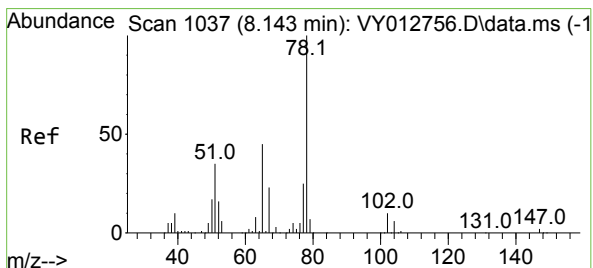
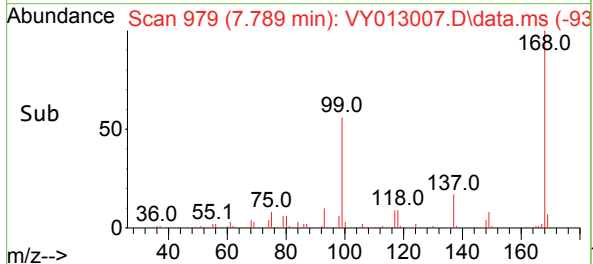
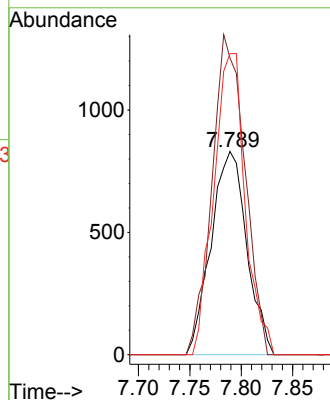
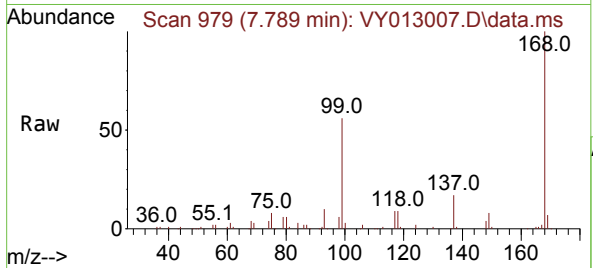




#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

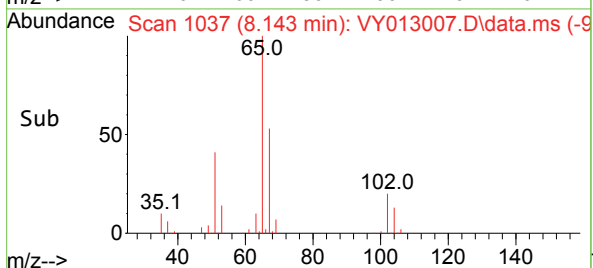
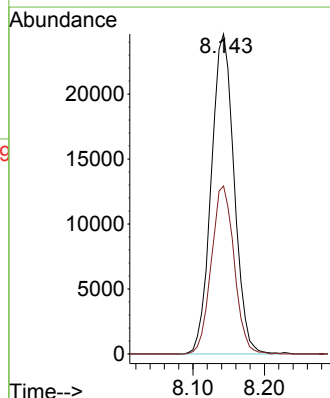
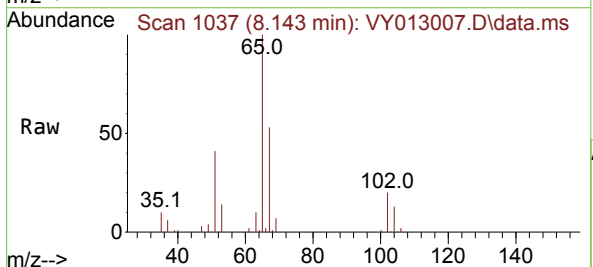
Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB02

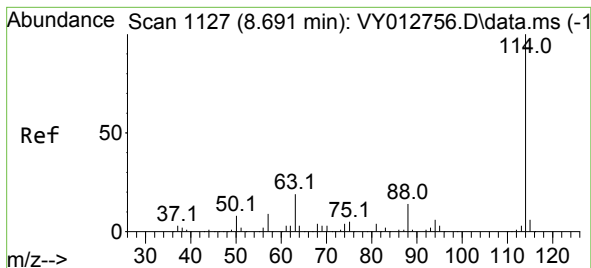
Tgt Ion: 56 Resp: 2011
Ion Ratio Lower Upper
56 100
69 146.0 25.7 38.5#
84 148.0 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 66.473 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

Tgt Ion: 65 Resp: 54705
Ion Ratio Lower Upper
65 100
67 52.4 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: VY013007.D

Acq: 20 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

B-23-SB02

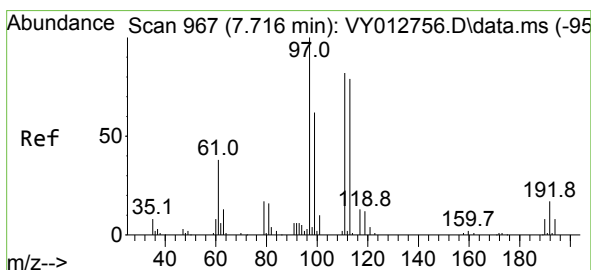
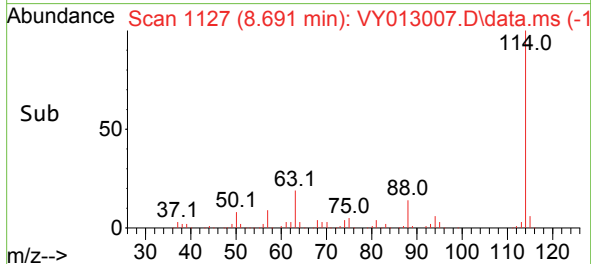
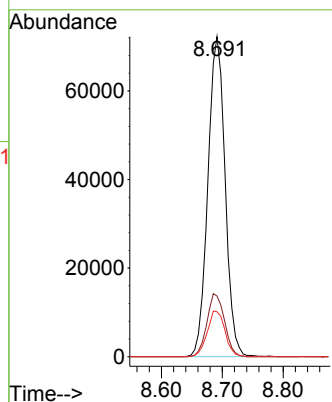
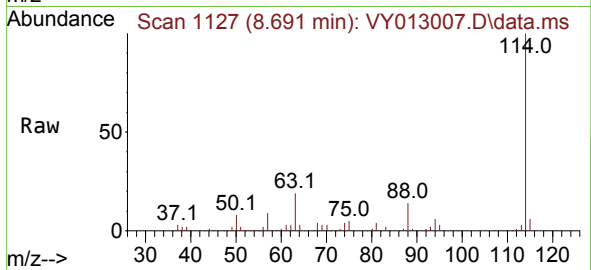
Tgt Ion:114 Resp: 141889

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 14.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.035 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY013007.D

Acq: 20 Mar 2023 14:53

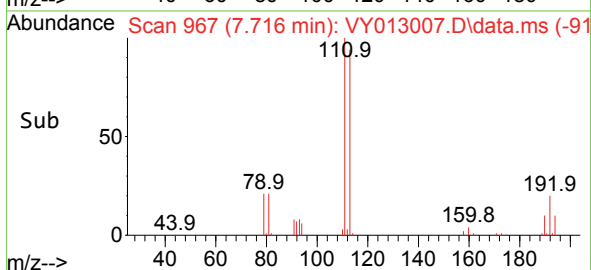
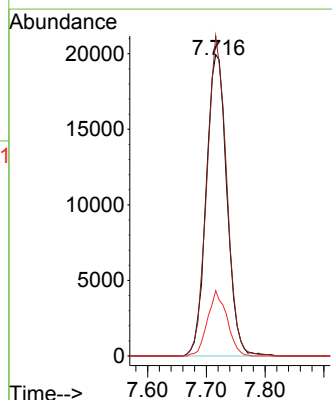
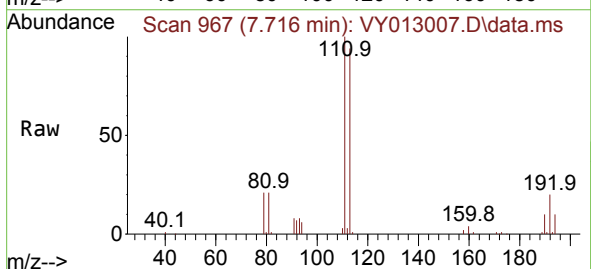
Tgt Ion:113 Resp: 48839

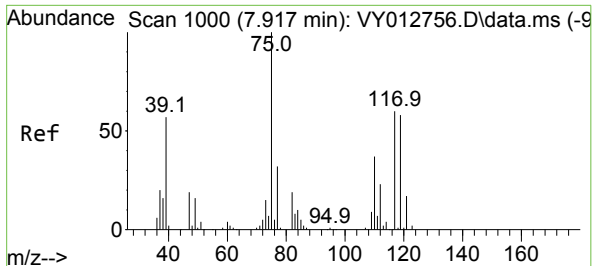
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

192 20.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.496 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013007.D

Acq: 20 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

B-23-SB02

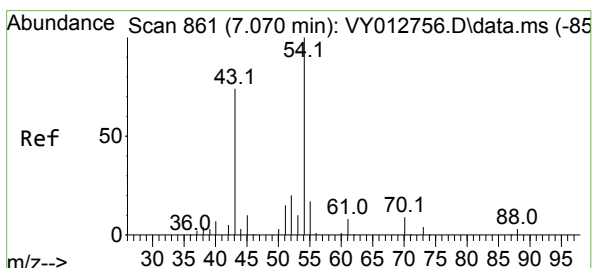
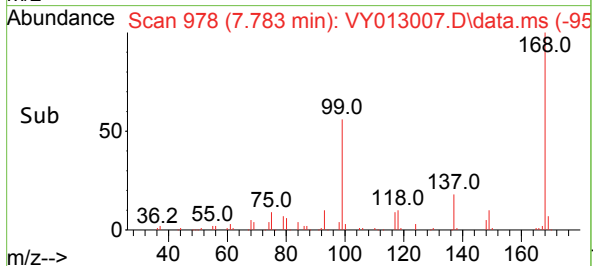
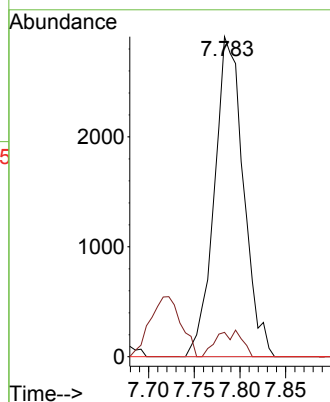
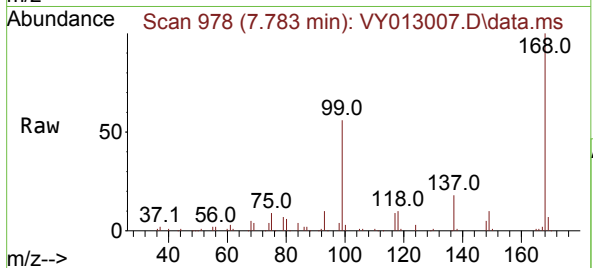
Tgt Ion: 75 Resp: 6452

Ion Ratio Lower Upper

75 100

110 7.2 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.636 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

Lab File: VY013007.D

Acq: 20 Mar 2023 14:53

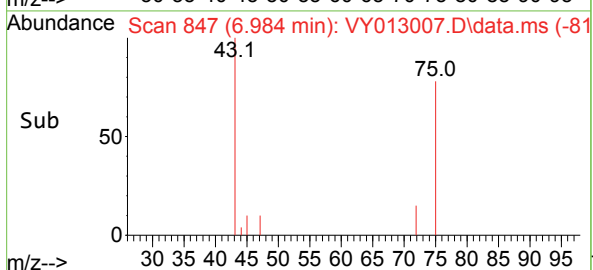
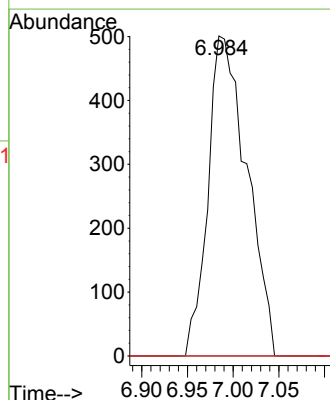
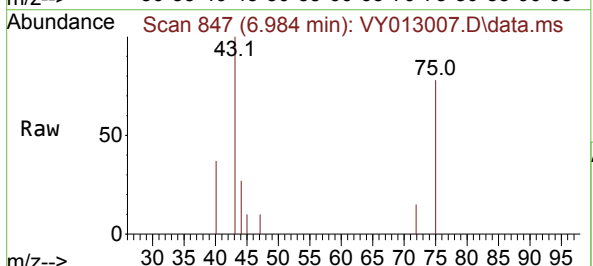
Tgt Ion: 43 Resp: 1480

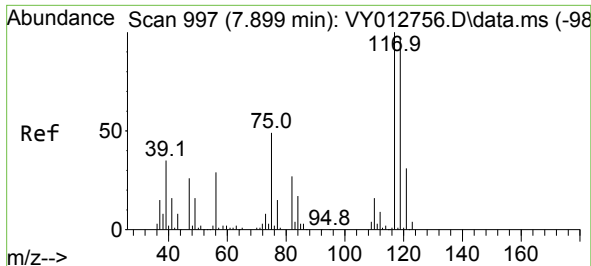
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

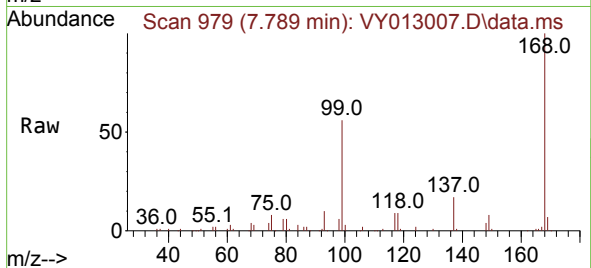
70 0.0 7.8 11.8#



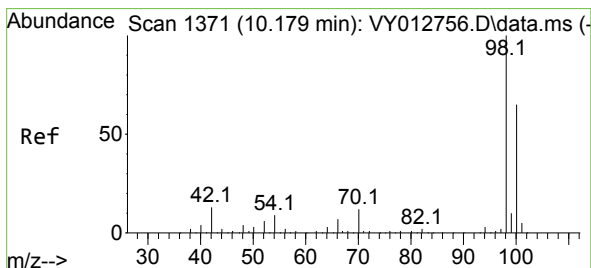
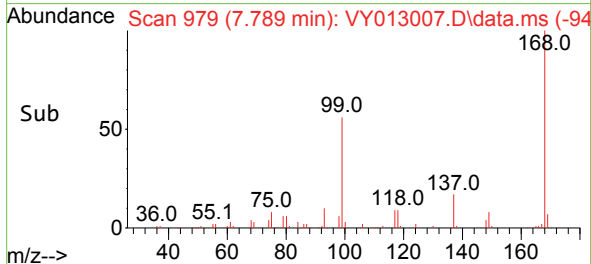
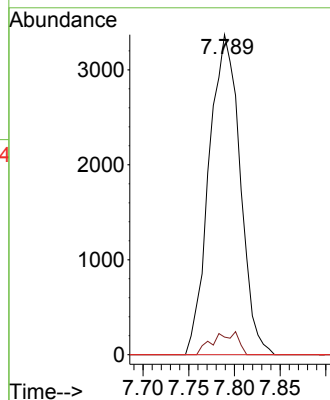


#38
Carbon Tetrachloride
Concen: 5.372 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB02

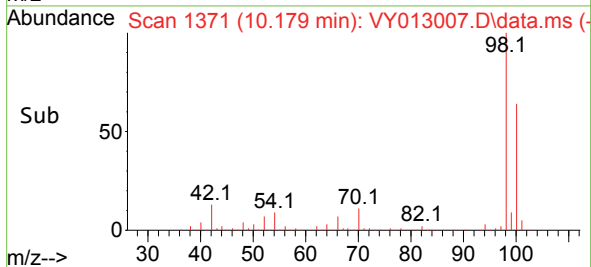
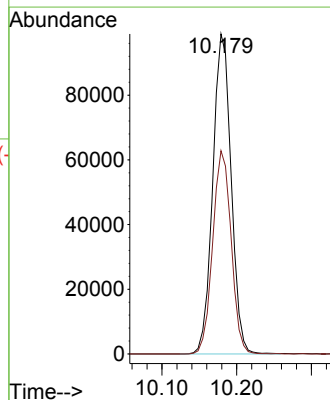
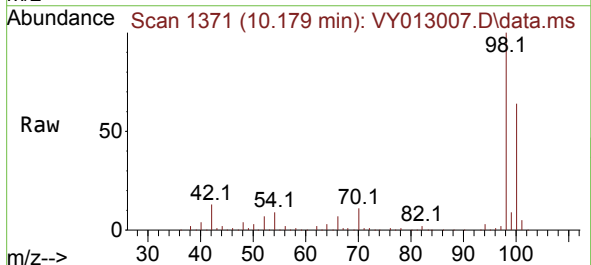


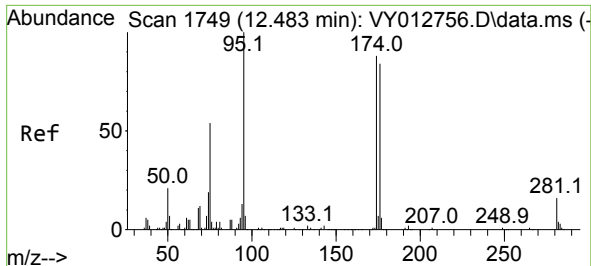
Tgt Ion:117 Resp: 7960
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.967 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

Tgt Ion: 98 Resp: 168941
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

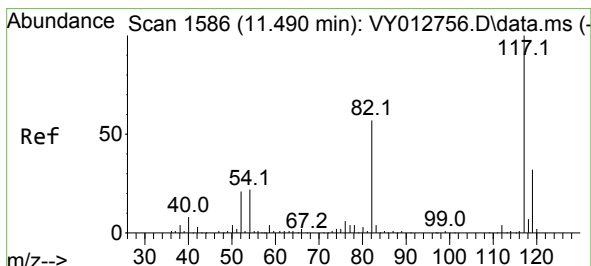
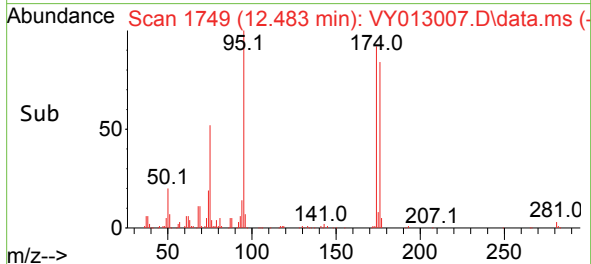
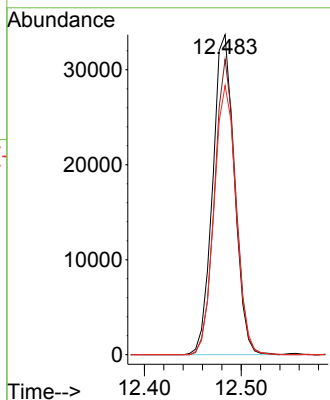
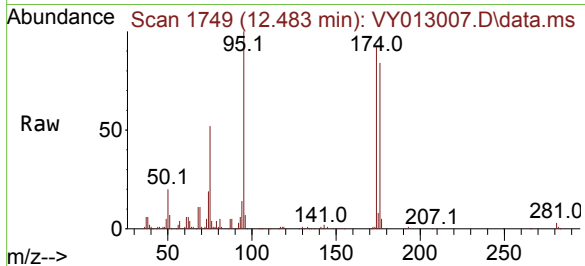




#62
4-Bromofluorobenzene
Concen: 49.714 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

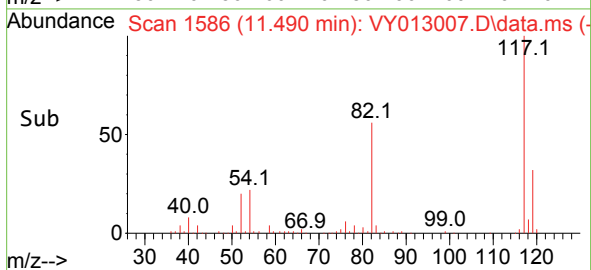
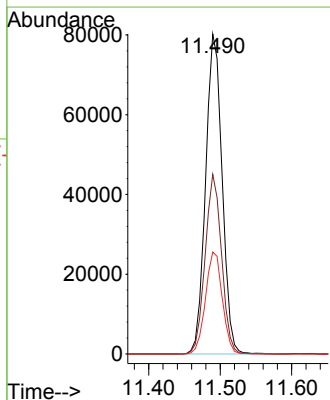
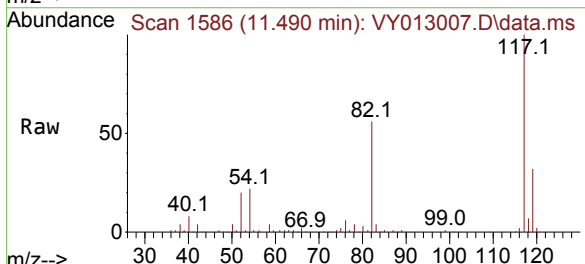
Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB02

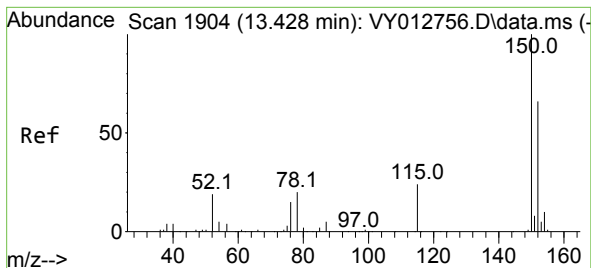
Tgt Ion: 95 Resp: 52528
Ion Ratio Lower Upper
95 100
174 89.8 0.0 176.6
176 85.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013007.D
Acq: 20 Mar 2023 14:53

Tgt Ion: 117 Resp: 128831
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.0
119 31.9 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: VY013007.D

Acq: 20 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

B-23-SB02

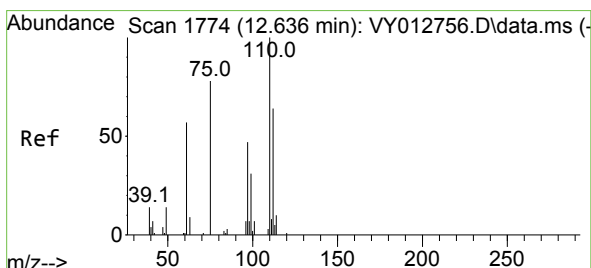
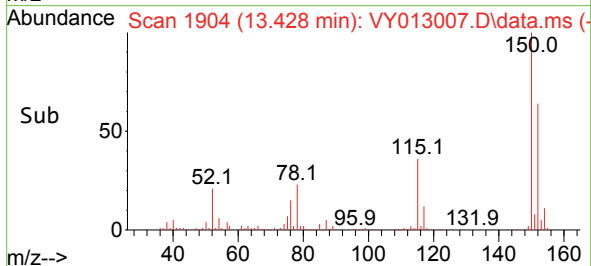
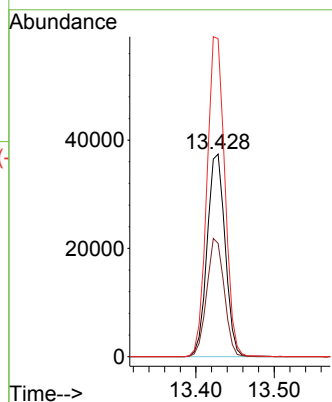
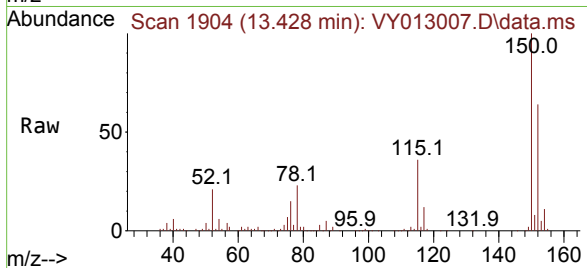
Tgt Ion:152 Resp: 59507

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 157.1 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.375 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013007.D

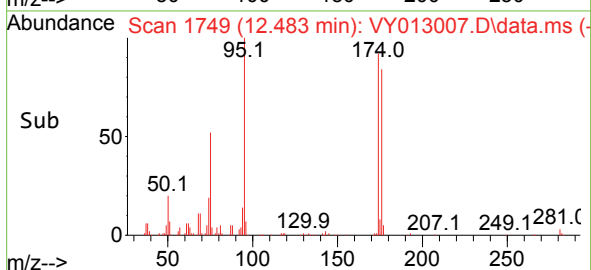
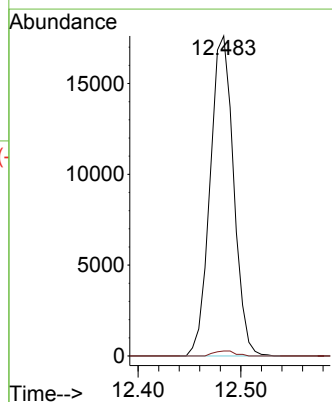
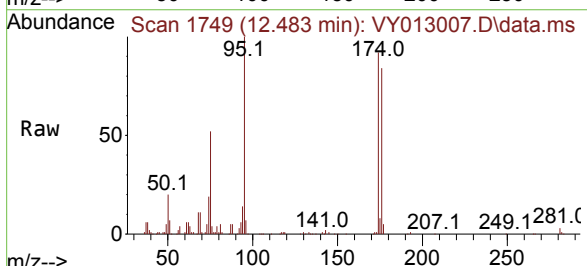
Acq: 20 Mar 2023 14:53

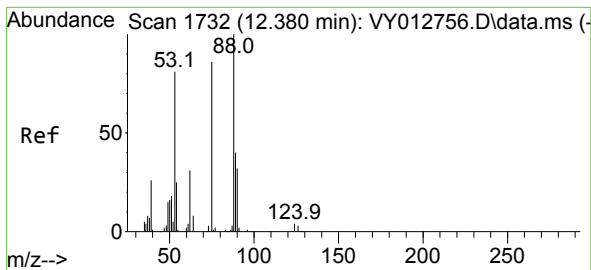
Tgt Ion: 75 Resp: 27980

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.586 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013007.D
 Acq: 20 Mar 2023 14:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-23-SB02

Tgt Ion: 75 Resp: 27980
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

