

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013006.D
 Acq On : 20 Mar 2023 14:30
 Operator : KP/MD
 Sample : 02012-01
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-23-SB01

Quant Time: Mar 21 01:12:57 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)

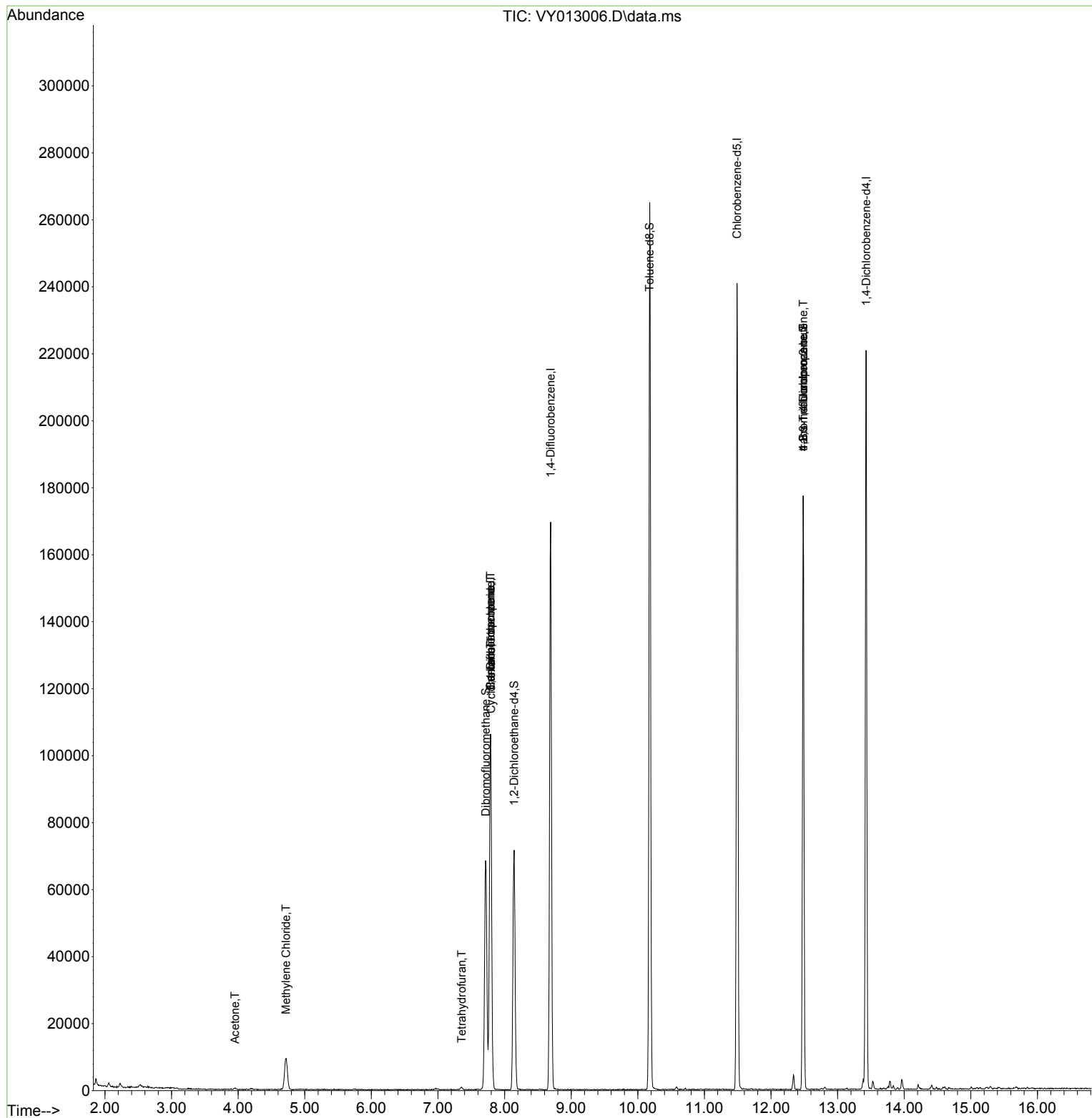
Internal Standards						
1) Pentafluorobenzene	7.789	168	84571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	142602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	127497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	55195	65.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.460%	
35) Dibromofluoromethane	7.716	113	48386	56.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.440%	
50) Toluene-d8	10.179	98	170268	54.119	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.240%	
62) 4-Bromofluorobenzene	12.483	95	51440	48.441	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	93	Below Cal	#	74
16) Acetone	3.954	43	659	2.000	ug/l	97
20) Methylene Chloride	4.716	84	6551	1.278	ug/l	88
29) Tetrahydrofuran	7.356	42	546	2.218	ug/l #	78
31) Cyclohexane	7.795	56	1895	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6578	4.561	ug/l #	50
38) Carbon Tetrachloride	7.789	117	7836	5.262	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	27518	40.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27518	84.572	ug/l #	13

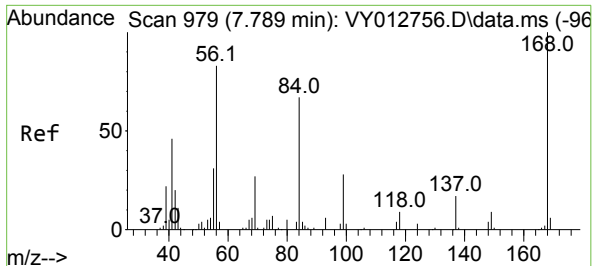
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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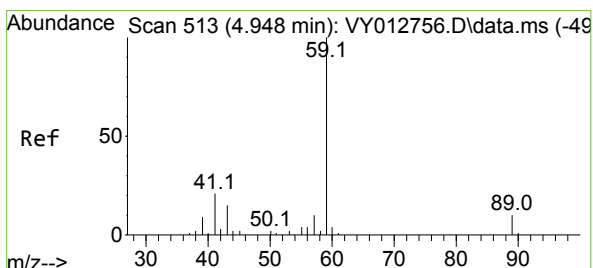
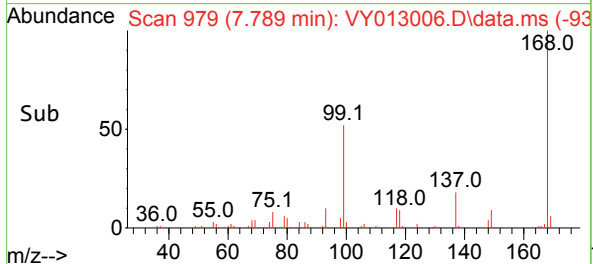
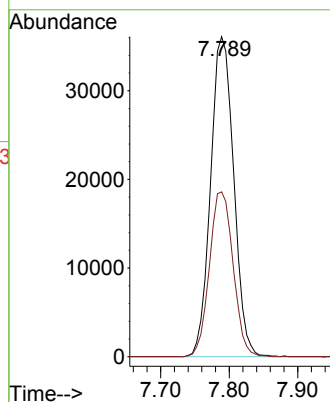
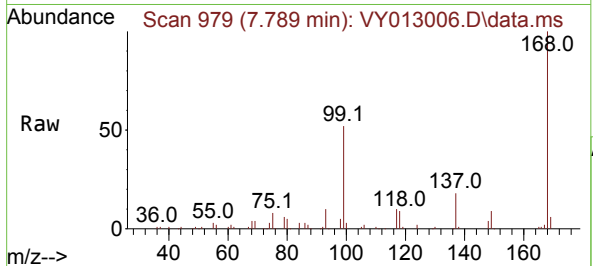




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

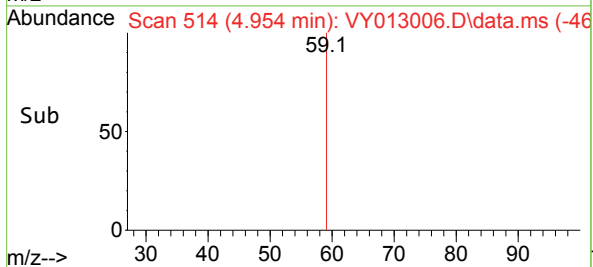
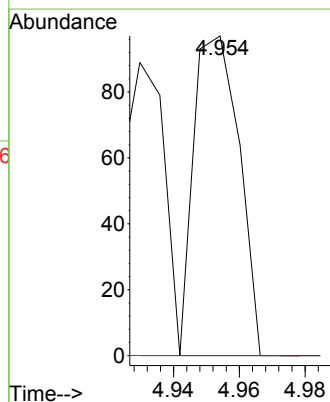
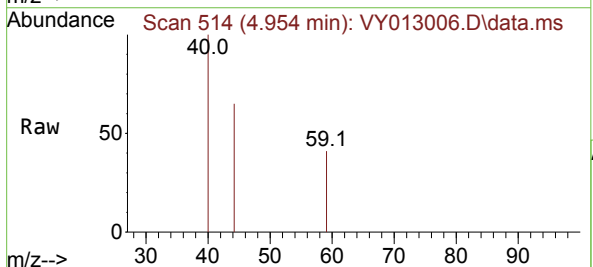
Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB01

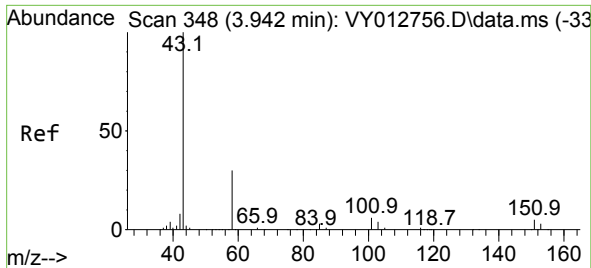
Tgt Ion:168 Resp: 84571
Ion Ratio Lower Upper
168 100
99 51.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.000 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

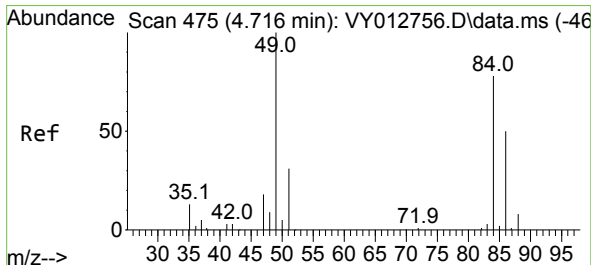
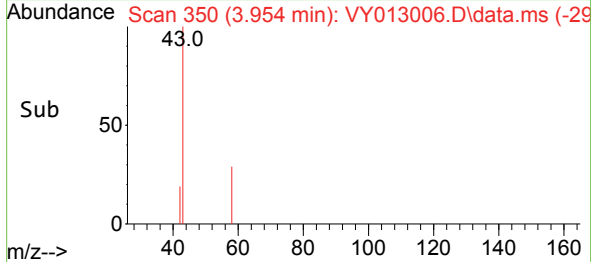
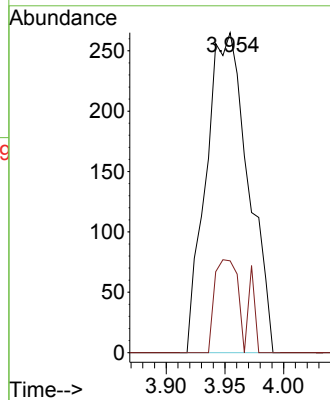
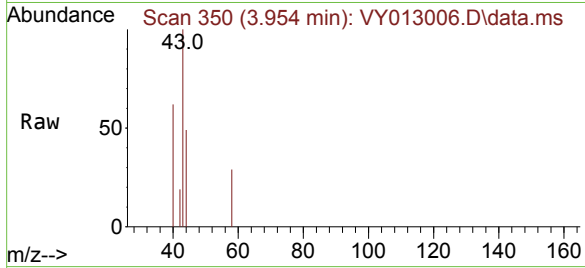
B-23-SB01

Tgt Ion: 43 Resp: 659

Ion Ratio Lower Upper

43 100

58 28.7 24.2 36.2



#20

Methylene Chloride

Concen: 1.278 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

Tgt Ion: 84 Resp: 6551

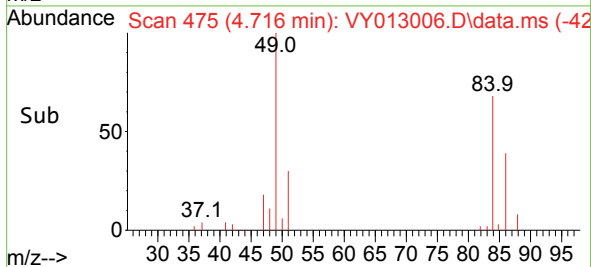
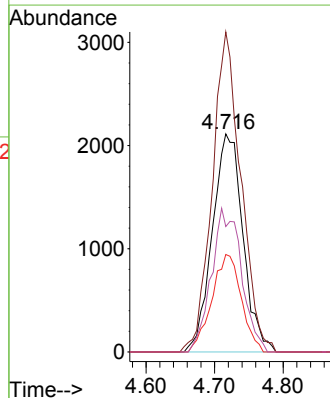
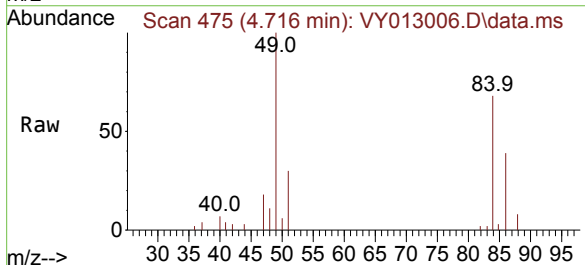
Ion Ratio Lower Upper

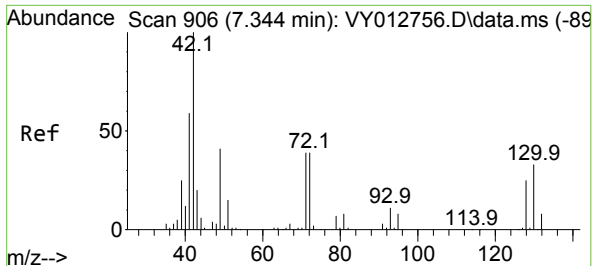
84 100

49 146.7 102.6 154.0

51 44.7 31.9 47.9

86 57.5 51.0 76.6





#29

Tetrahydrofuran

Concen: 2.218 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.012 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

B-23-SB01

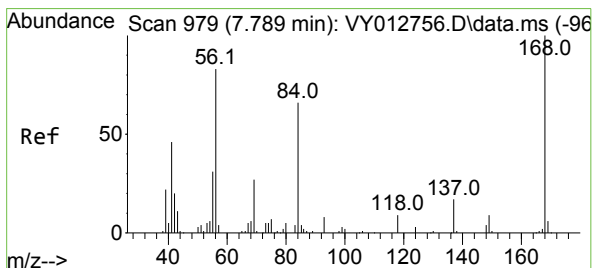
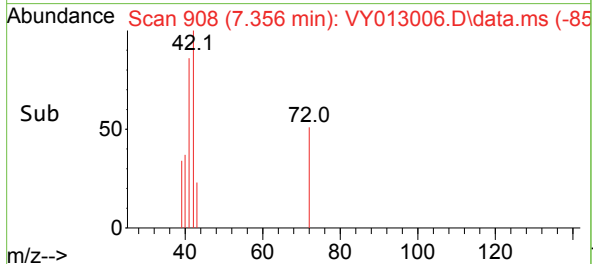
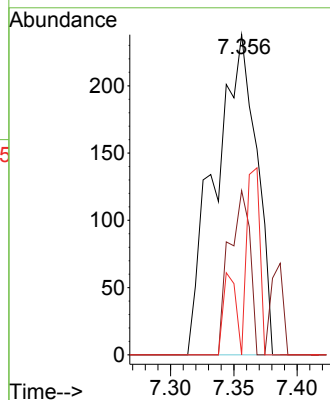
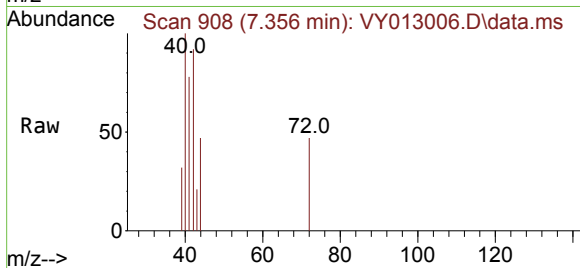
Tgt Ion: 42 Resp: 546

Ion Ratio Lower Upper

42 100

72 25.6 32.3 48.5#

71 26.0 30.3 45.5#



#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

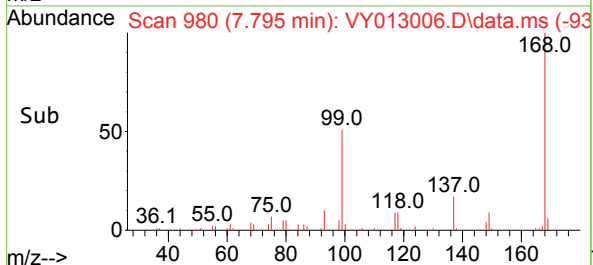
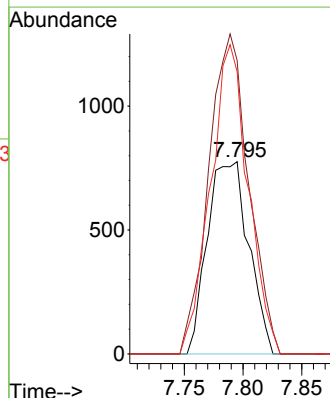
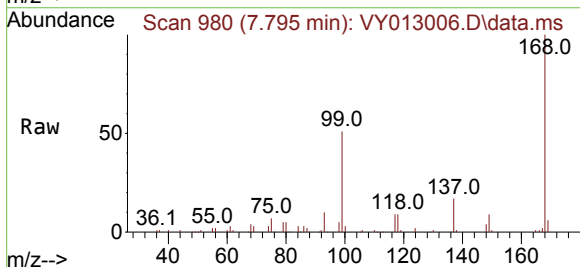
Tgt Ion: 56 Resp: 1895

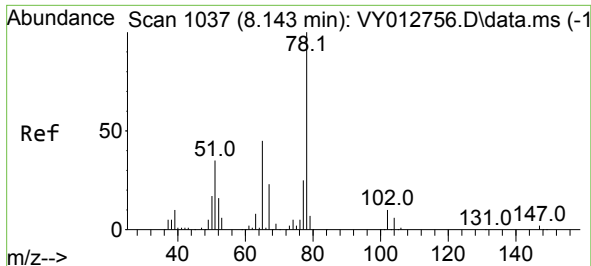
Ion Ratio Lower Upper

56 100

69 152.6 25.7 38.5#

84 157.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 65.733 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY013006.D

Acq: 20 Mar 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

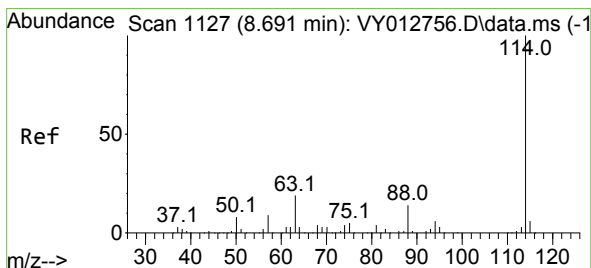
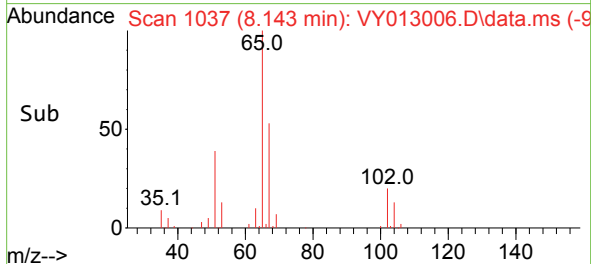
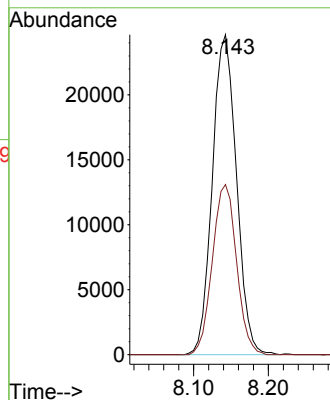
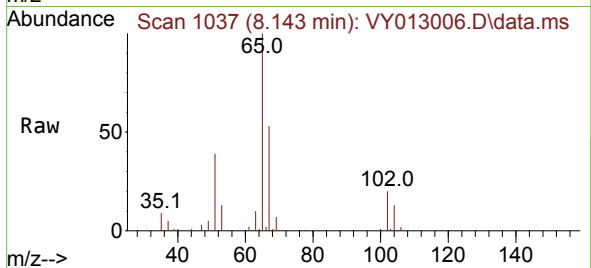
B-23-SB01

Tgt Ion: 65 Resp: 55195

Ion Ratio Lower Upper

65 100

67 53.3 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: VY013006.D

Acq: 20 Mar 2023 14:30

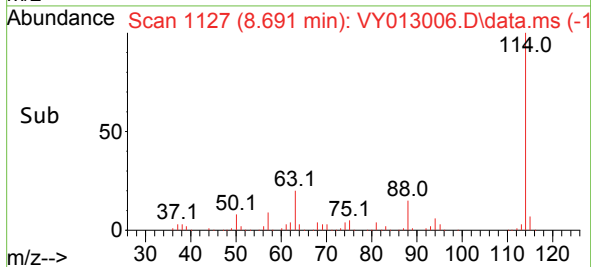
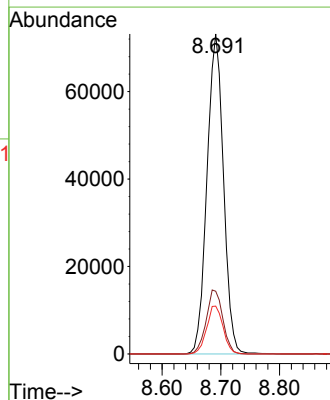
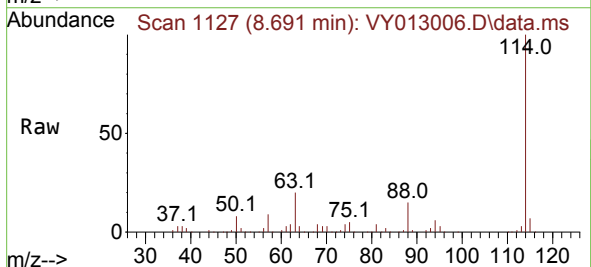
Tgt Ion:114 Resp: 142602

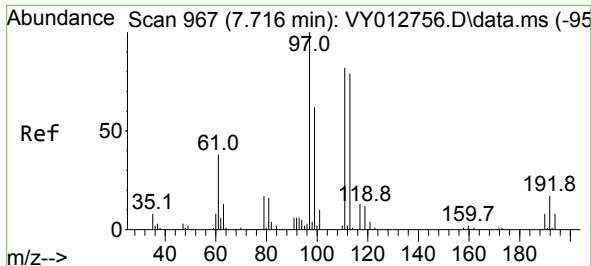
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 15.0 0.0 28.6

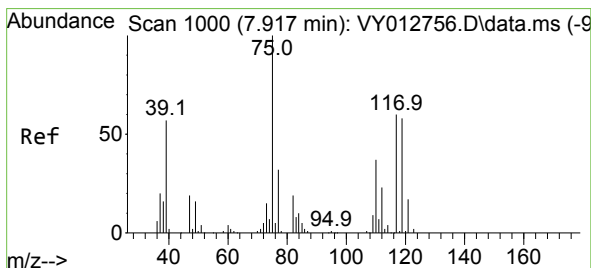
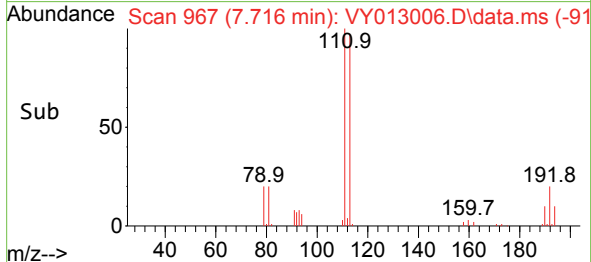
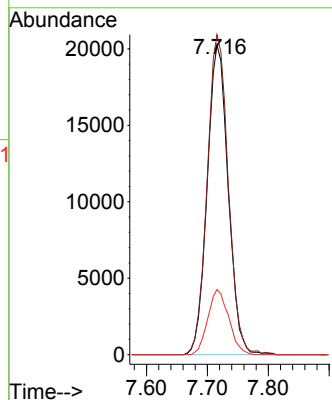
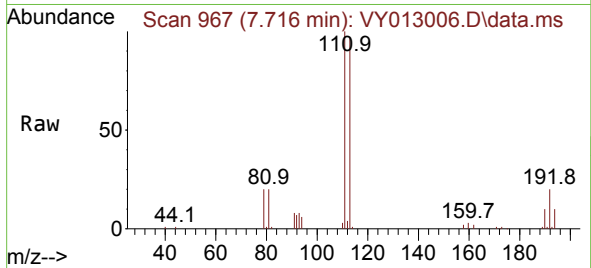




#35
Dibromofluoromethane
Concen: 56.223 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

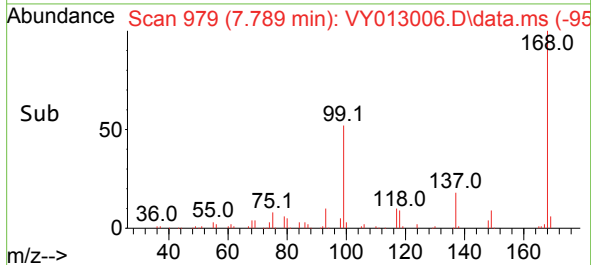
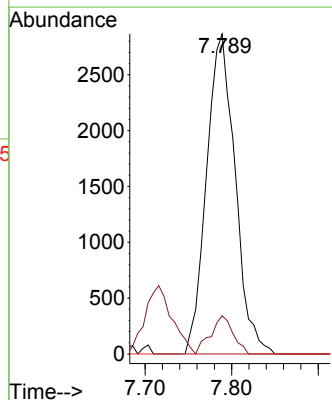
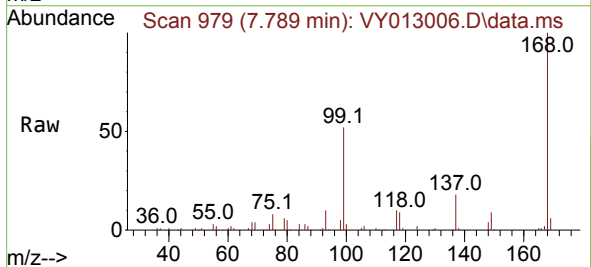
Instrument :
MSVOA_Y
ClientSampleId :
B-23-SB01

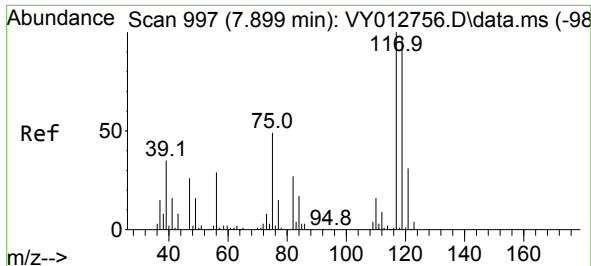
Tgt Ion:113 Resp: 48386
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.2
192 21.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.561 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

Tgt Ion: 75 Resp: 6578
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 25.0 37.4#

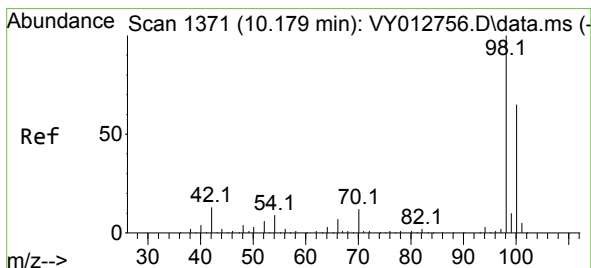
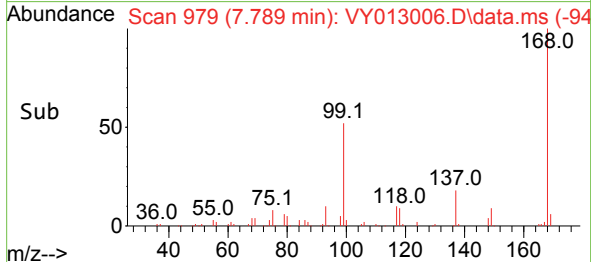
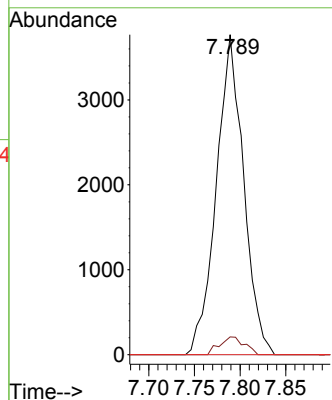
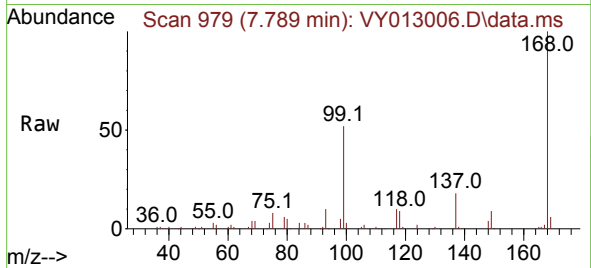




#38
Carbon Tetrachloride
Concen: 5.262 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

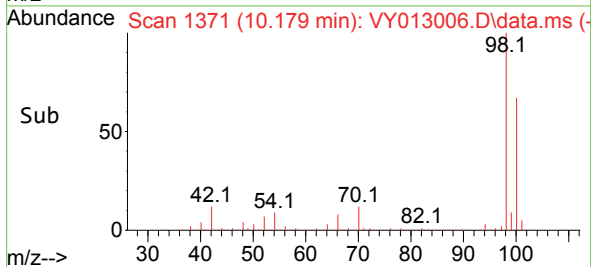
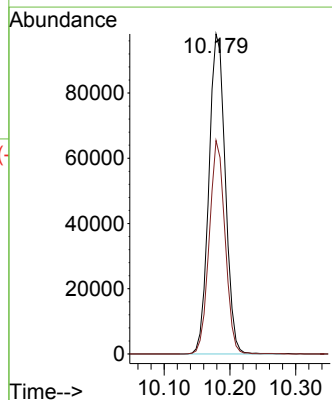
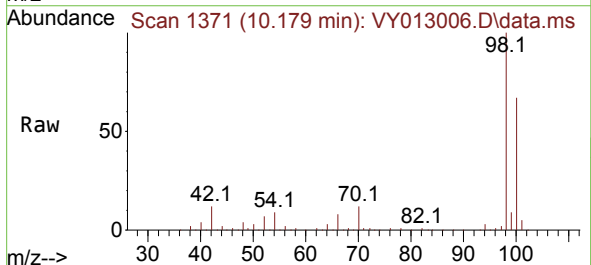
Instrument :
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ClientSampleId :
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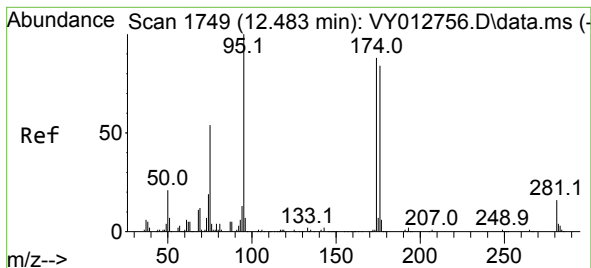
Tgt Ion:117 Resp: 7836
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.119 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

Tgt Ion: 98 Resp: 170268
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3

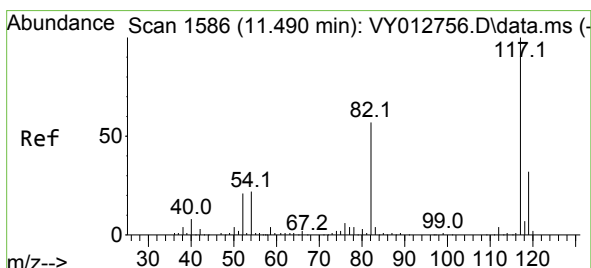
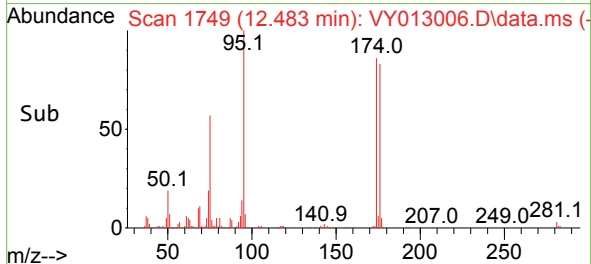
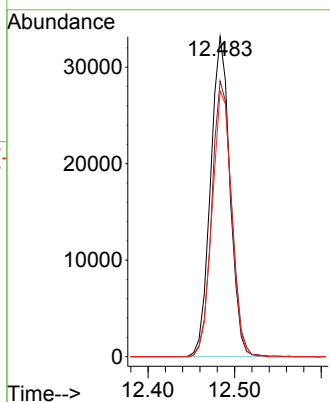
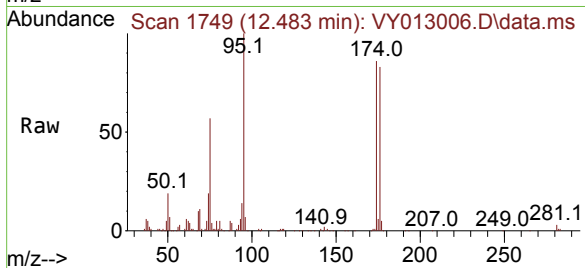




#62
4-Bromofluorobenzene
Concen: 48.441 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

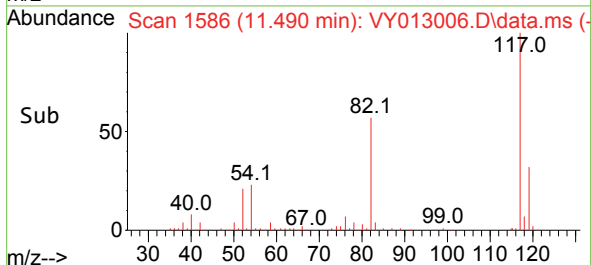
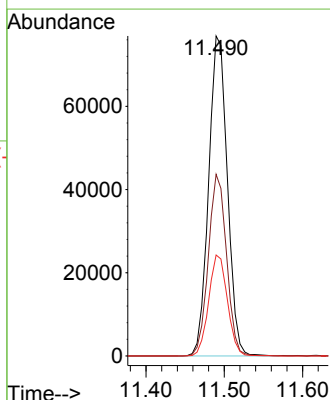
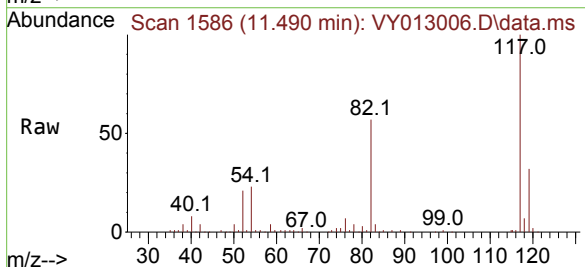
Instrument :
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B-23-SB01

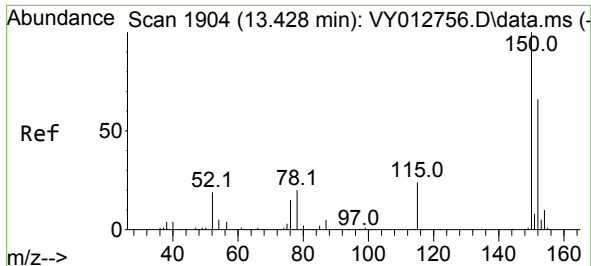
Tgt Ion:	95	Resp:	51440
Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	176.6
176	83.8	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013006.D
Acq: 20 Mar 2023 14:30

Tgt Ion:	117	Resp:	127497
Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.0
119	31.6	25.6	38.4

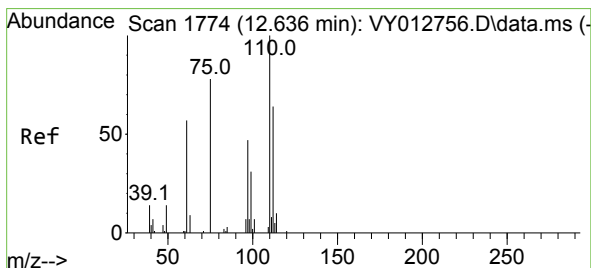
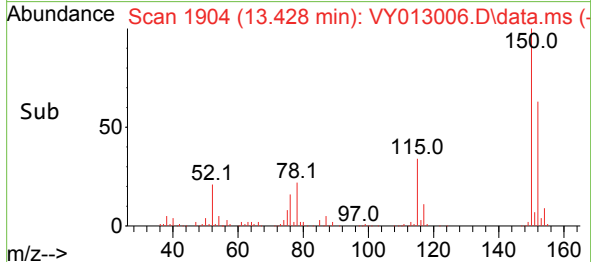
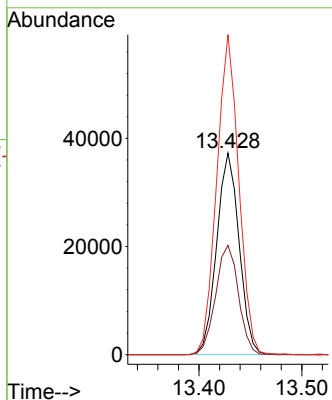
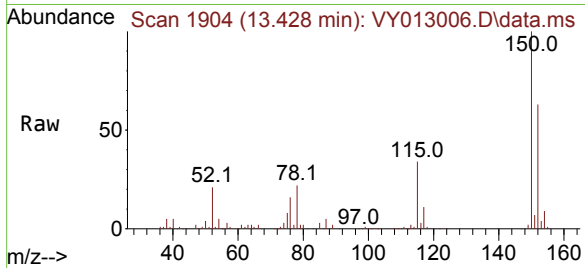




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY013006.D
 Acq: 20 Mar 2023 14:30

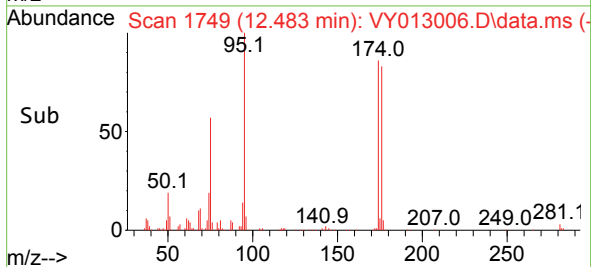
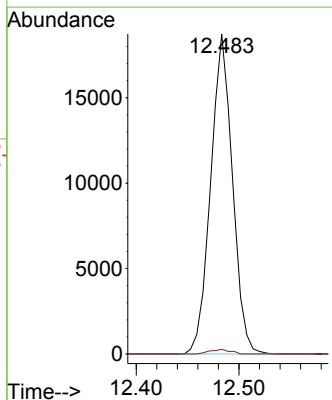
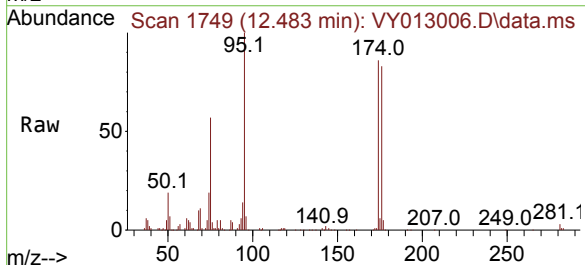
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-23-SB01

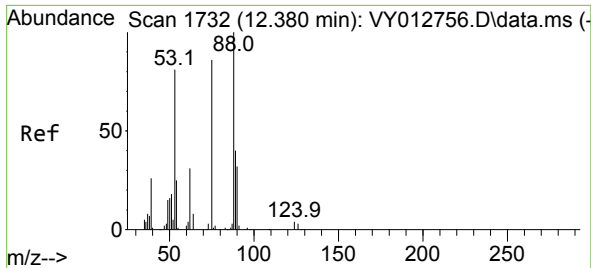
Tgt Ion:152 Resp: 56458
 Ion Ratio Lower Upper
 152 100
 115 55.4 27.1 81.3
 150 155.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 40.816 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY013006.D
 Acq: 20 Mar 2023 14:30

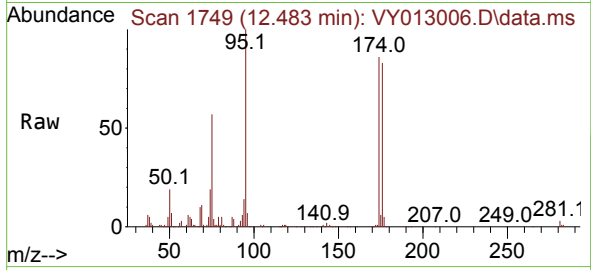
Tgt Ion: 75 Resp: 27518
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.572 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013006.D
 Acq: 20 Mar 2023 14:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-23-SB01



Tgt Ion: 75 Resp: 27518
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.0 36.6 55.0#

