

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013010.D
 Acq On : 20 Mar 2023 16:04
 Operator : KP/MD
 Sample : 02001-07
 Misc : 5.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRV-3

Quant Time: Mar 21 01:14:11 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)

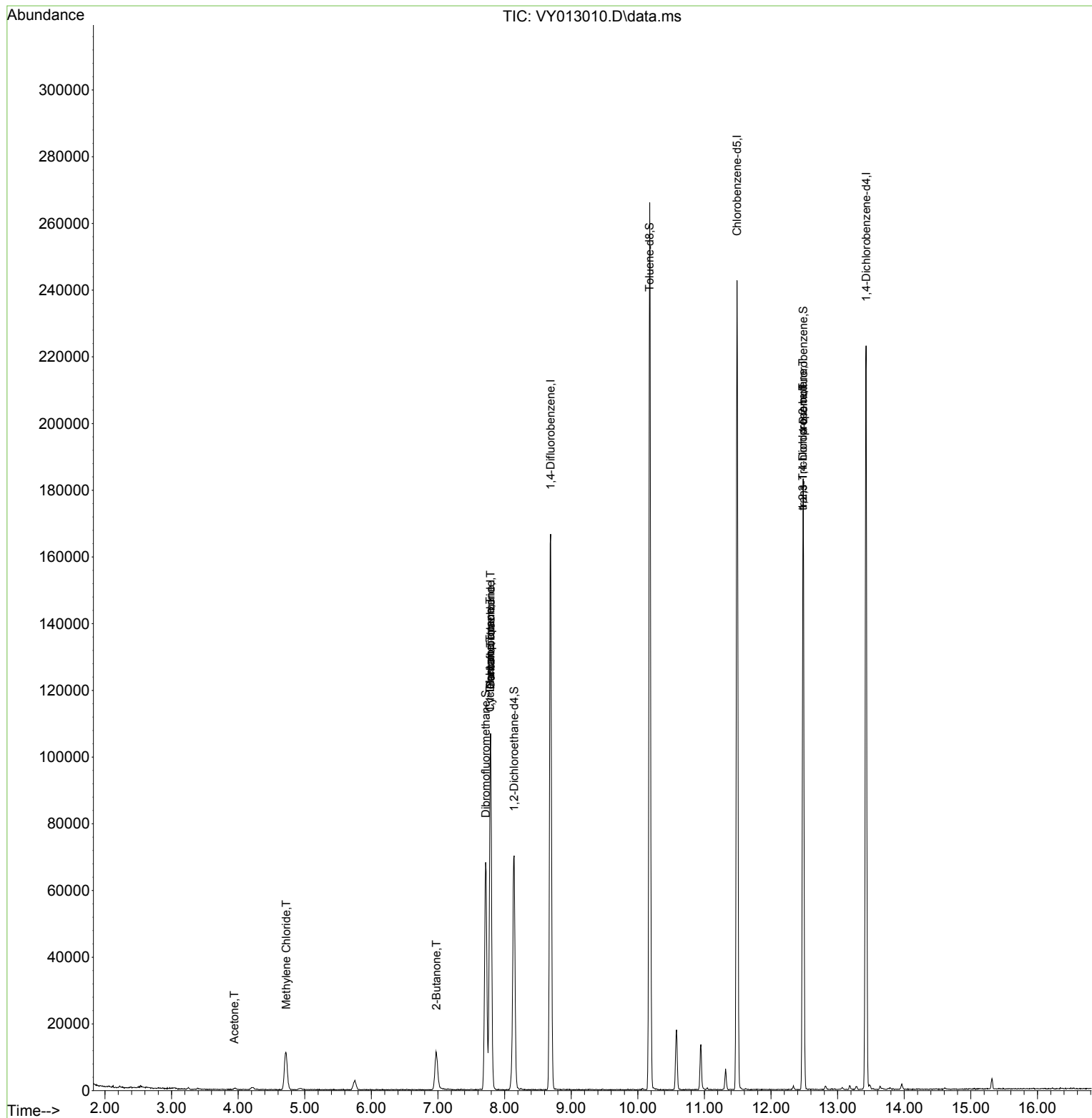
Internal Standards						
1) Pentafluorobenzene	7.789	168	83696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	141851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	129950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53189	64.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.020%	
35) Dibromofluoromethane	7.715	113	47669	55.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.360%	
50) Toluene-d8	10.178	98	168531	53.850	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.483	95	51238	48.506	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	428	Below Cal	#	74
16) Acetone	3.942	43	335	1.027	ug/l #	88
20) Methylene Chloride	4.722	84	8586	3.645	ug/l	94
25) 2-Butanone	6.978	43	687	1.701	ug/l #	49
31) Cyclohexane	7.783	56	1843	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6695	4.667	ug/l #	48
38) Carbon Tetrachloride	7.789	117	8129	5.487	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	27143	39.079	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27143	80.974	ug/l #	13

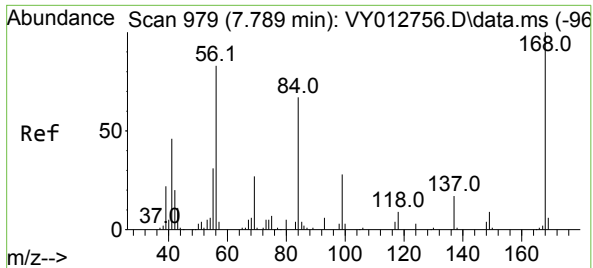
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IRV-3

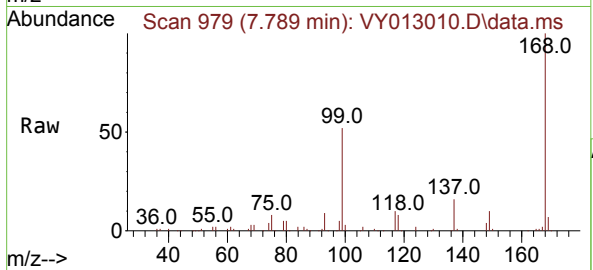
Quant Time: Mar 21 01:14:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
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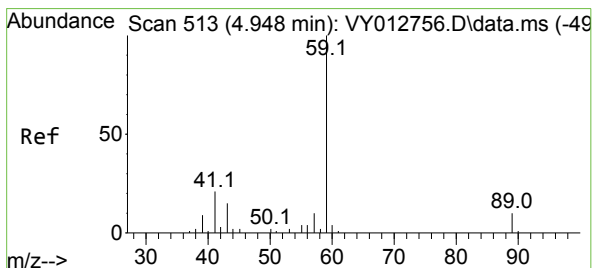
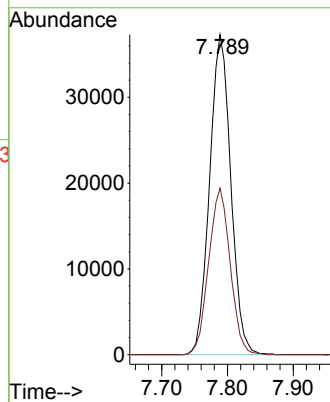
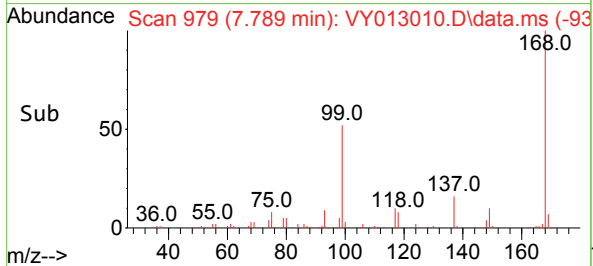


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

Instrument :
MSVOA_Y
ClientSampleId :
IRV-3

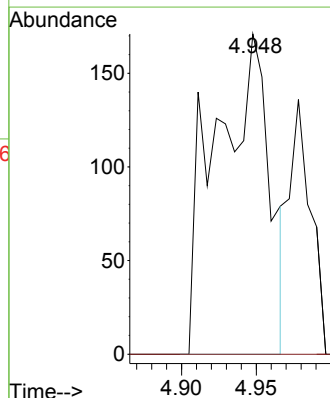
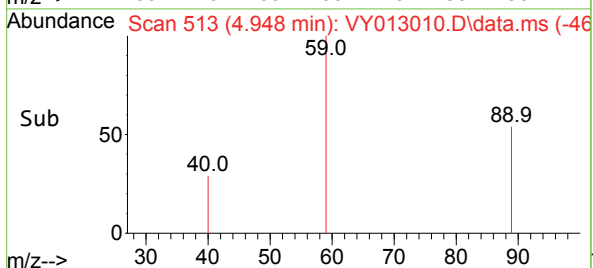
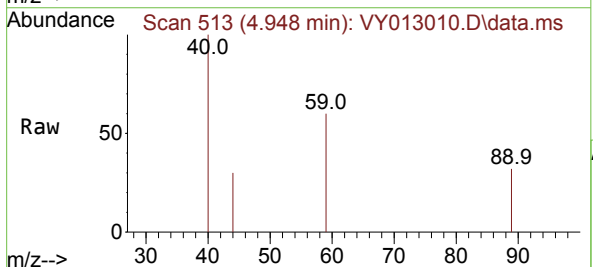


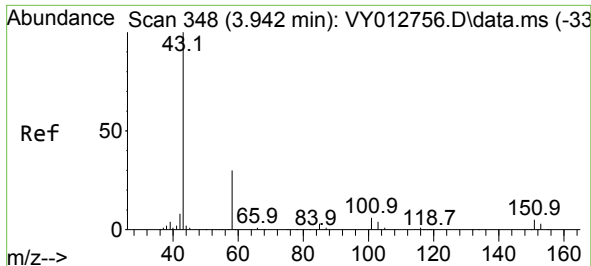
Tgt Ion:168 Resp: 83696
Ion Ratio Lower Upper
168 100
99 52.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

Tgt Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.027 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY013010.D

Acq: 20 Mar 2023 16:04

Instrument :

MSVOA_Y

ClientSampleId :

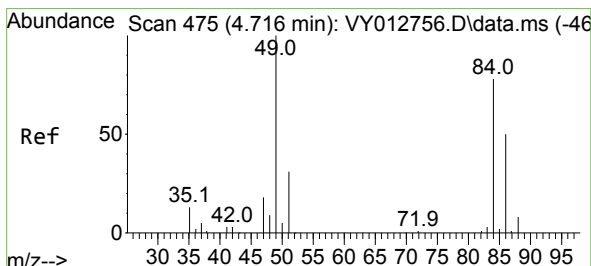
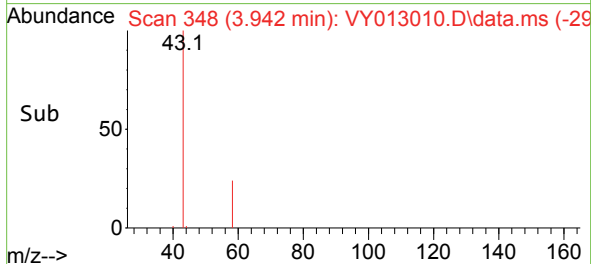
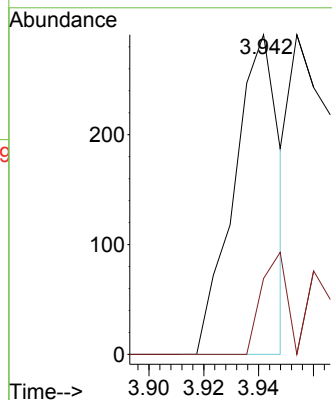
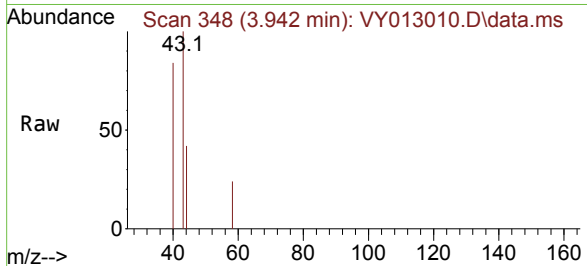
IRV-3

Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

58 23.7 24.2 36.2#



#20

Methylene Chloride

Concen: 3.645 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY013010.D

Acq: 20 Mar 2023 16:04

Tgt Ion: 84 Resp: 8586

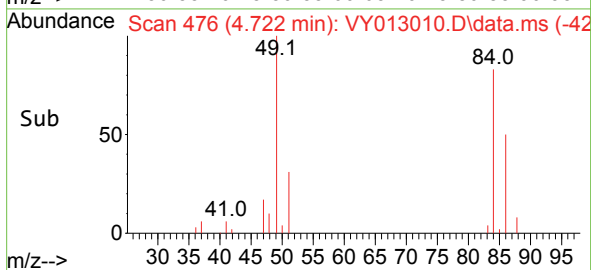
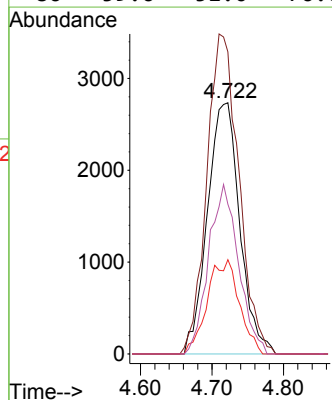
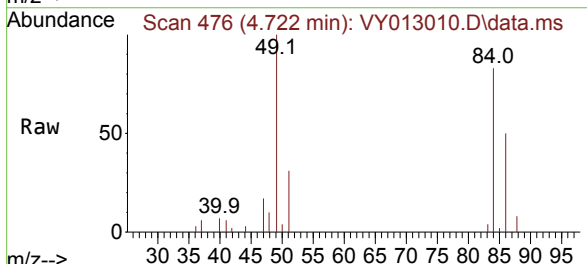
Ion Ratio Lower Upper

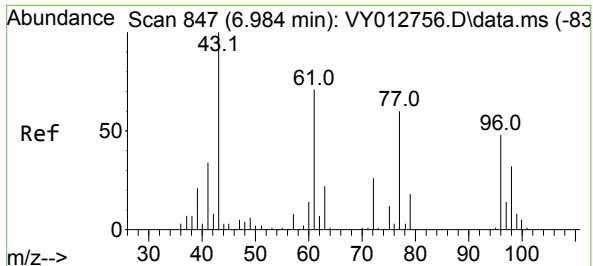
84 100

49 120.3 102.6 154.0

51 37.5 31.9 47.9

86 59.6 51.0 76.6





#25

2-Butanone

Concen: 1.701 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY013010.D

Acq: 20 Mar 2023 16:04

Instrument :

MSVOA_Y

ClientSampleId :

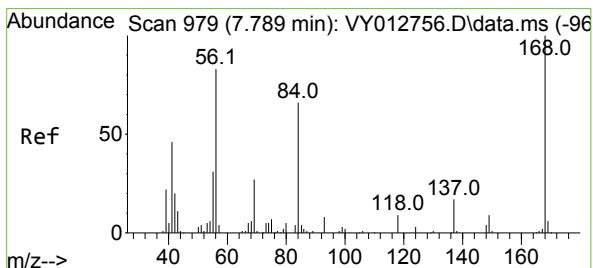
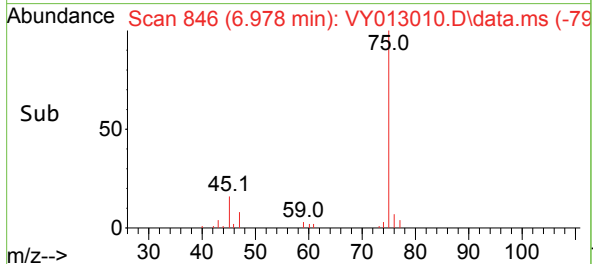
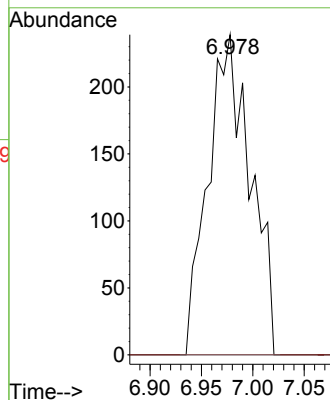
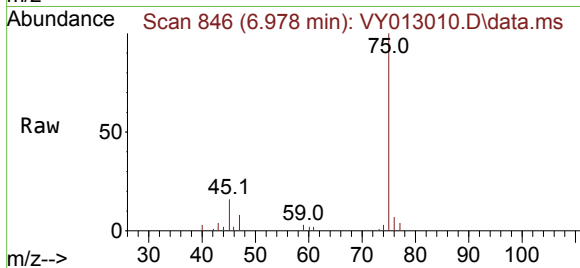
IRV-3

Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013010.D

Acq: 20 Mar 2023 16:04

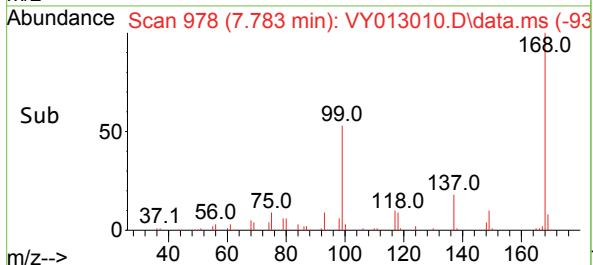
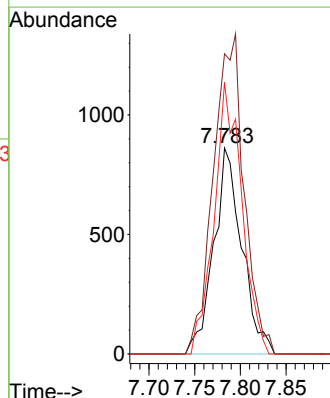
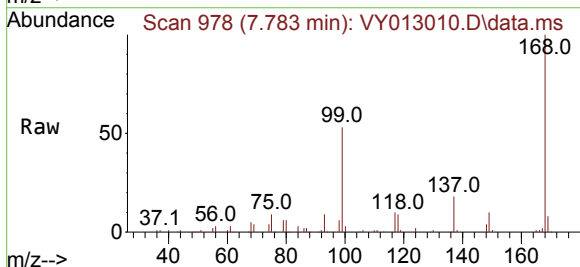
Tgt Ion: 56 Resp: 1843

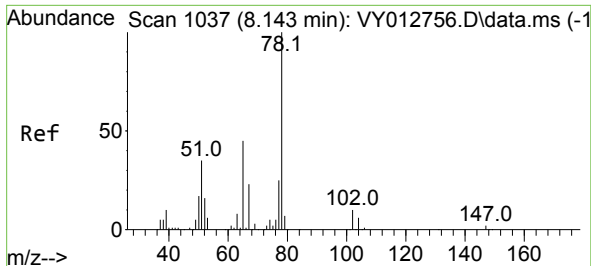
Ion Ratio Lower Upper

56 100

69 145.7 25.7 38.5#

84 131.8 64.3 96.5#

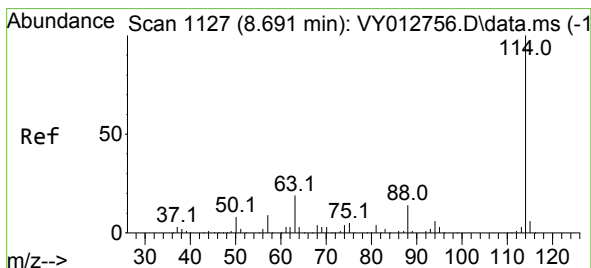
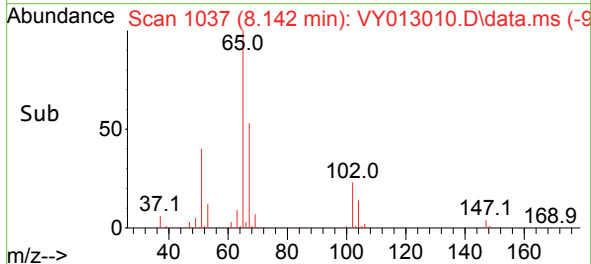
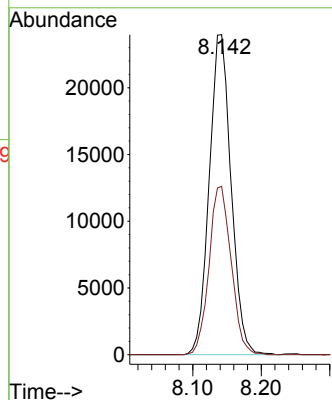
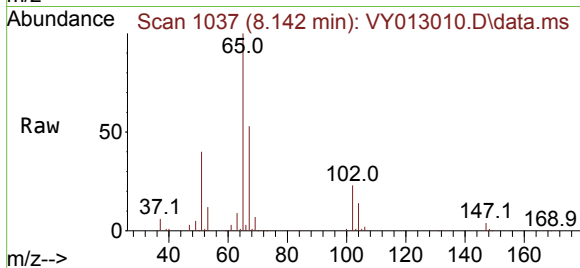




#33
1,2-Dichloroethane-d4
Concen: 64.007 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

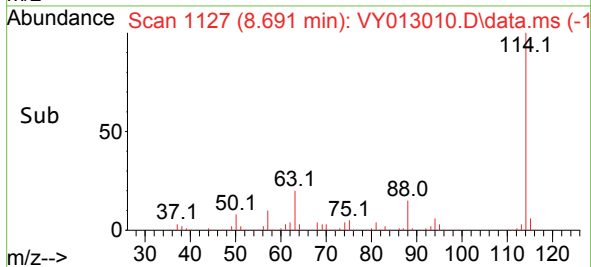
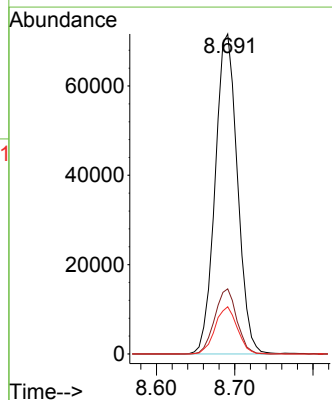
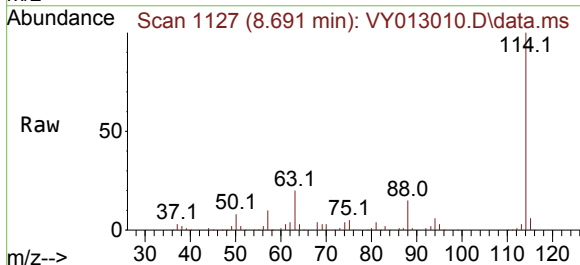
Instrument :
MSVOA_Y
ClientSampleId :
IRV-3

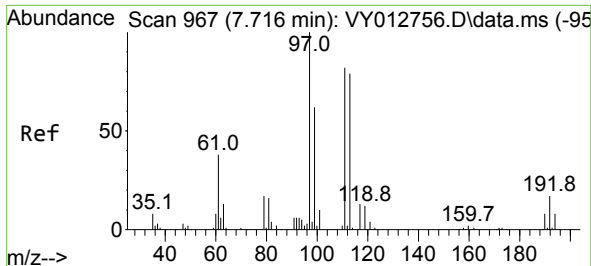
Tgt Ion: 65 Resp: 53189
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

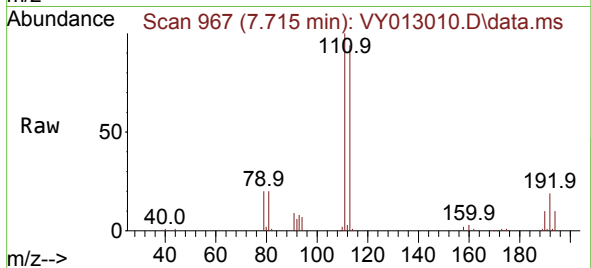
Tgt Ion: 114 Resp: 141851
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.4
88 14.8 0.0 28.6



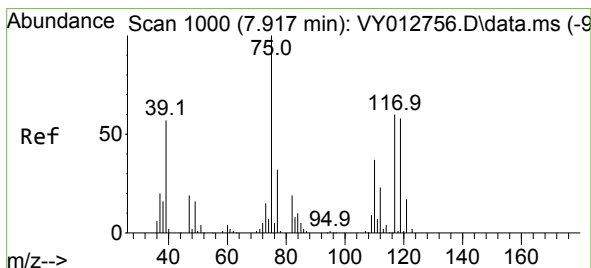
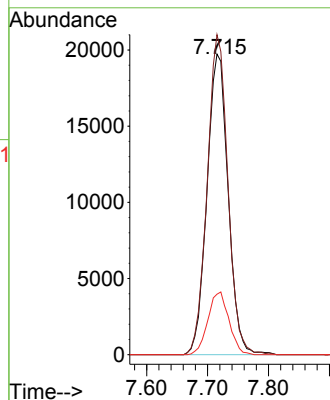
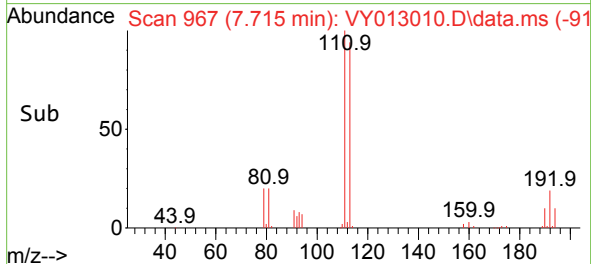


#35
Dibromofluoromethane
Concen: 55.684 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

Instrument :
MSVOA_Y
ClientSampleId :
IRV-3

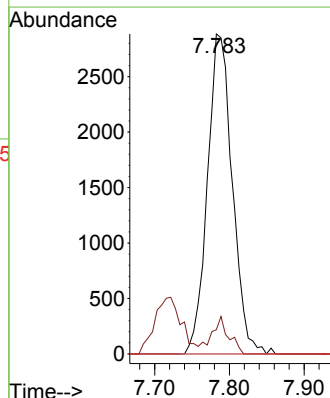
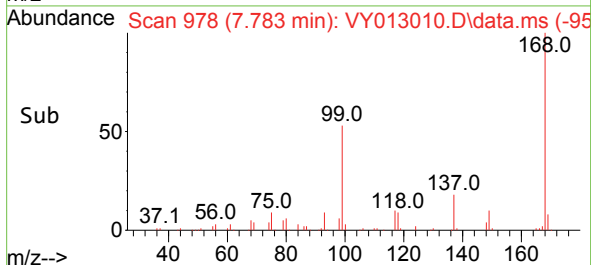
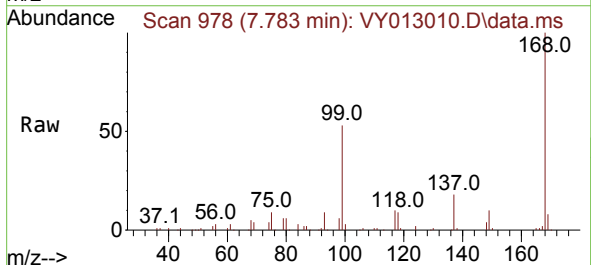


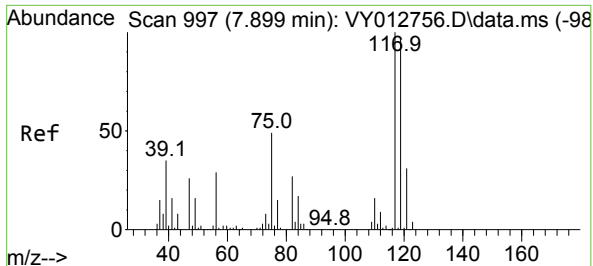
Tgt Ion:113 Resp: 47669
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 20.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

Tgt Ion: 75 Resp: 6695
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.3#
77 0.0 25.0 37.4#

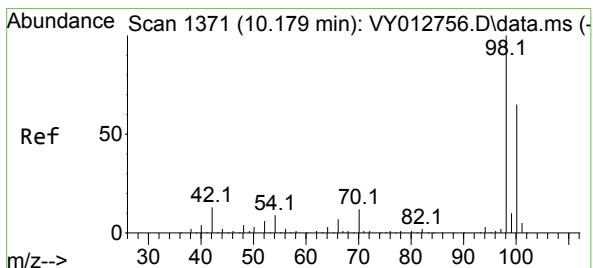
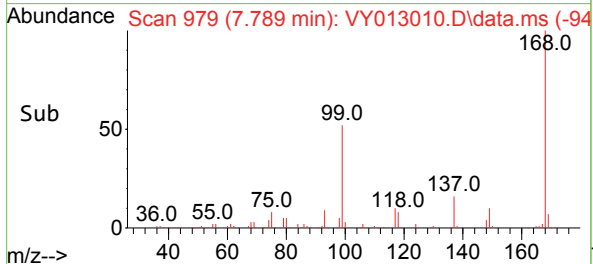
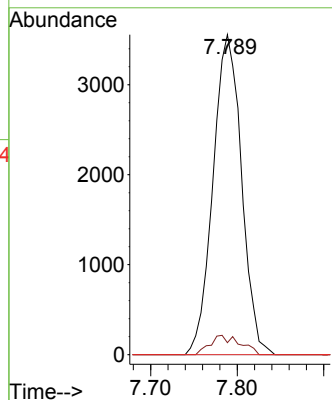
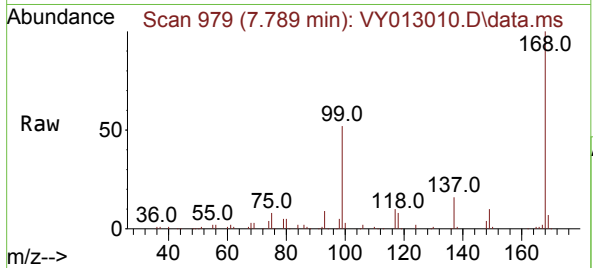




#38
Carbon Tetrachloride
Concen: 5.487 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

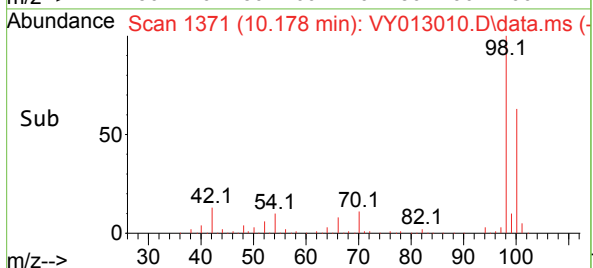
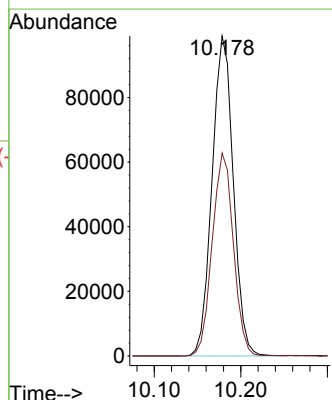
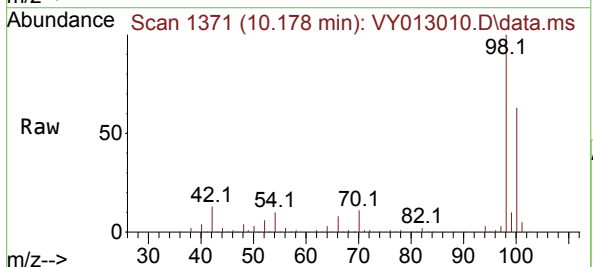
Instrument :
MSVOA_Y
ClientSampleId :
IRV-3

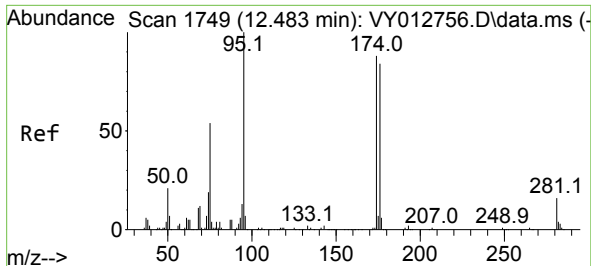
Tgt Ion:117 Resp: 8129
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.850 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

Tgt Ion: 98 Resp: 168531
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

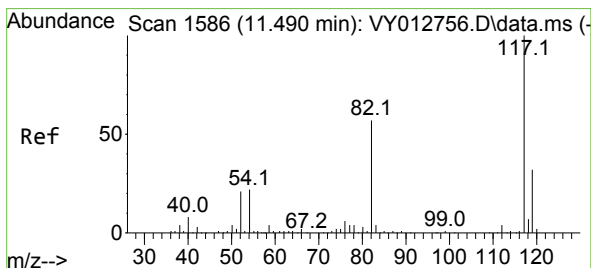
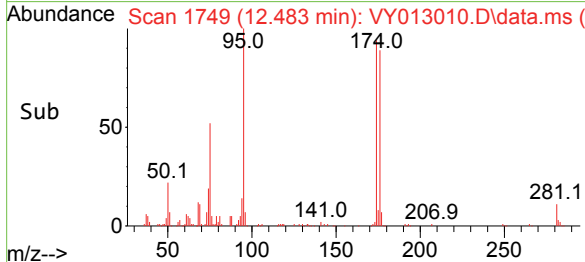
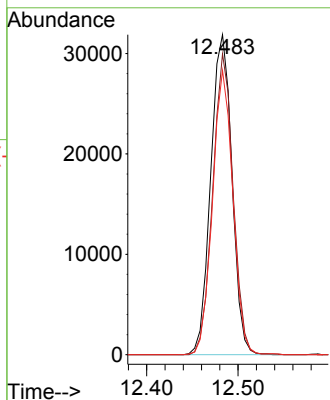
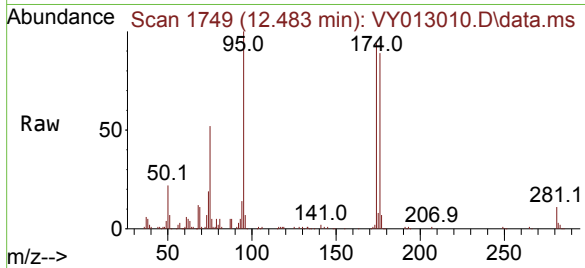




#62
4-Bromofluorobenzene
Concen: 48.506 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

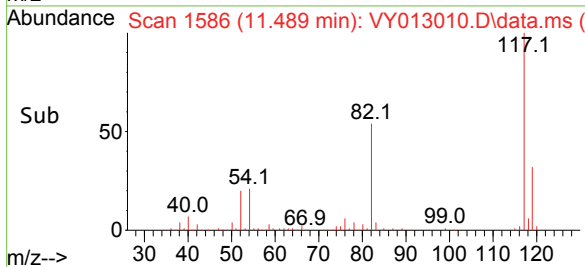
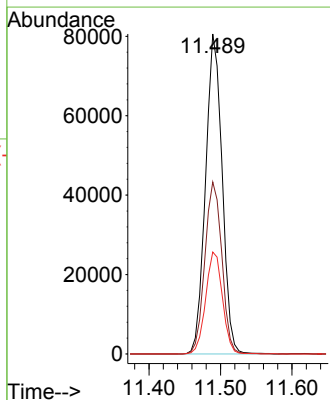
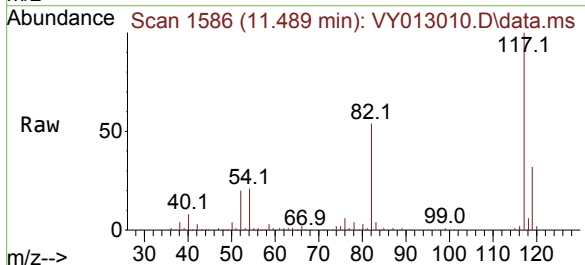
Instrument :
MSVOA_Y
ClientSampleId :
IRV-3

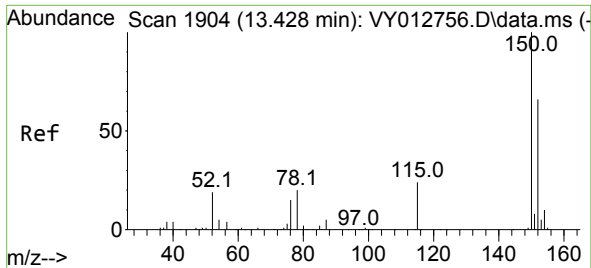
Tgt Ion: 95 Resp: 51238
Ion Ratio Lower Upper
95 100
174 90.7 0.0 176.6
176 85.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013010.D
Acq: 20 Mar 2023 16:04

Tgt Ion: 117 Resp: 129950
Ion Ratio Lower Upper
117 100
82 53.7 45.4 68.0
119 31.8 25.6 38.4

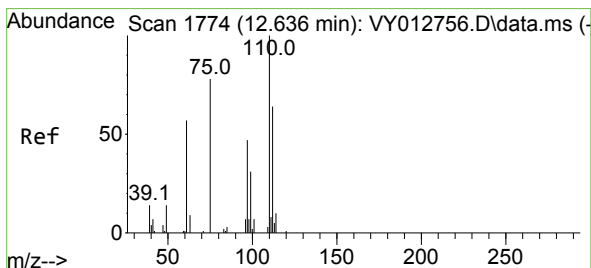
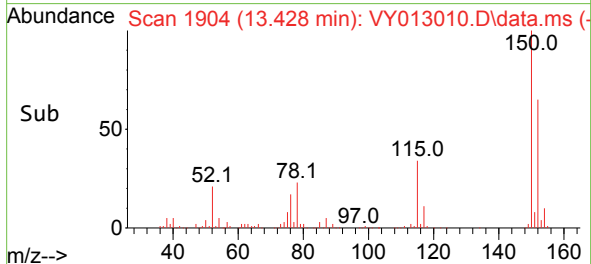
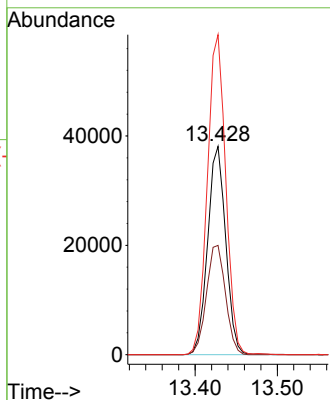
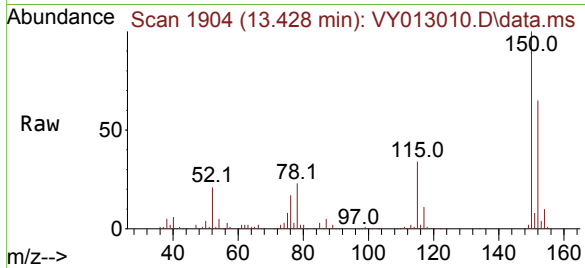




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY013010.D
 Acq: 20 Mar 2023 16:04

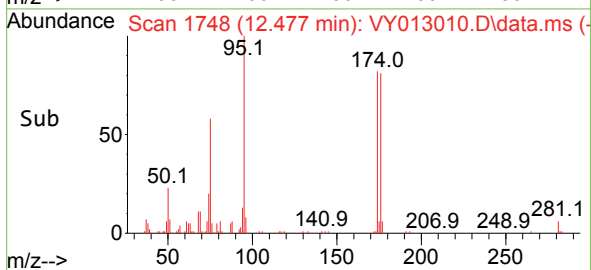
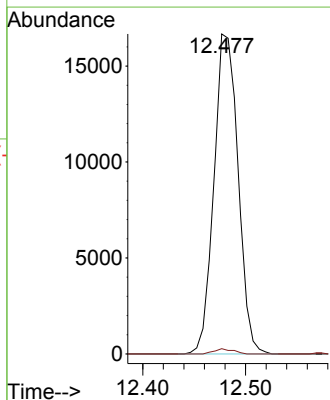
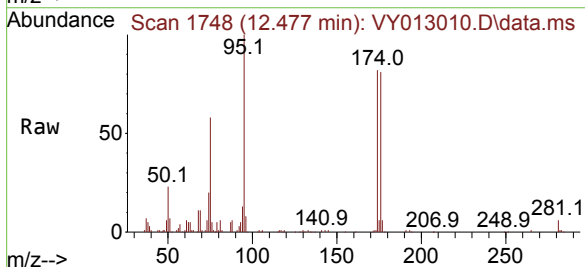
Instrument :
 MSVOA_Y
 ClientSampleId :
 IRV-3

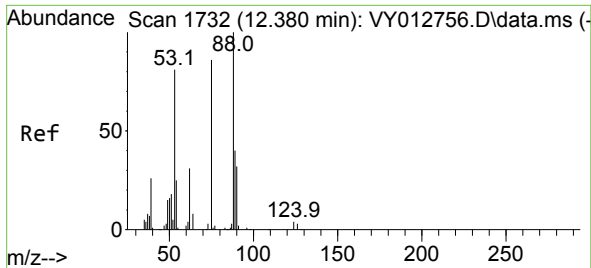
Tgt Ion:152 Resp: 58163
 Ion Ratio Lower Upper
 152 100
 115 55.4 27.1 81.3
 150 156.0 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 39.079 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY013010.D
 Acq: 20 Mar 2023 16:04

Tgt Ion: 75 Resp: 27143
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.974 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY013010.D
 Acq: 20 Mar 2023 16:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRV-3

Tgt Ion: 75 Resp: 27143
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

