

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013027.D
 Acq On : 21 Mar 2023 15:12
 Operator : KP/MD
 Sample : 02020-31
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

Quant Time: Mar 22 04:20:51 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)

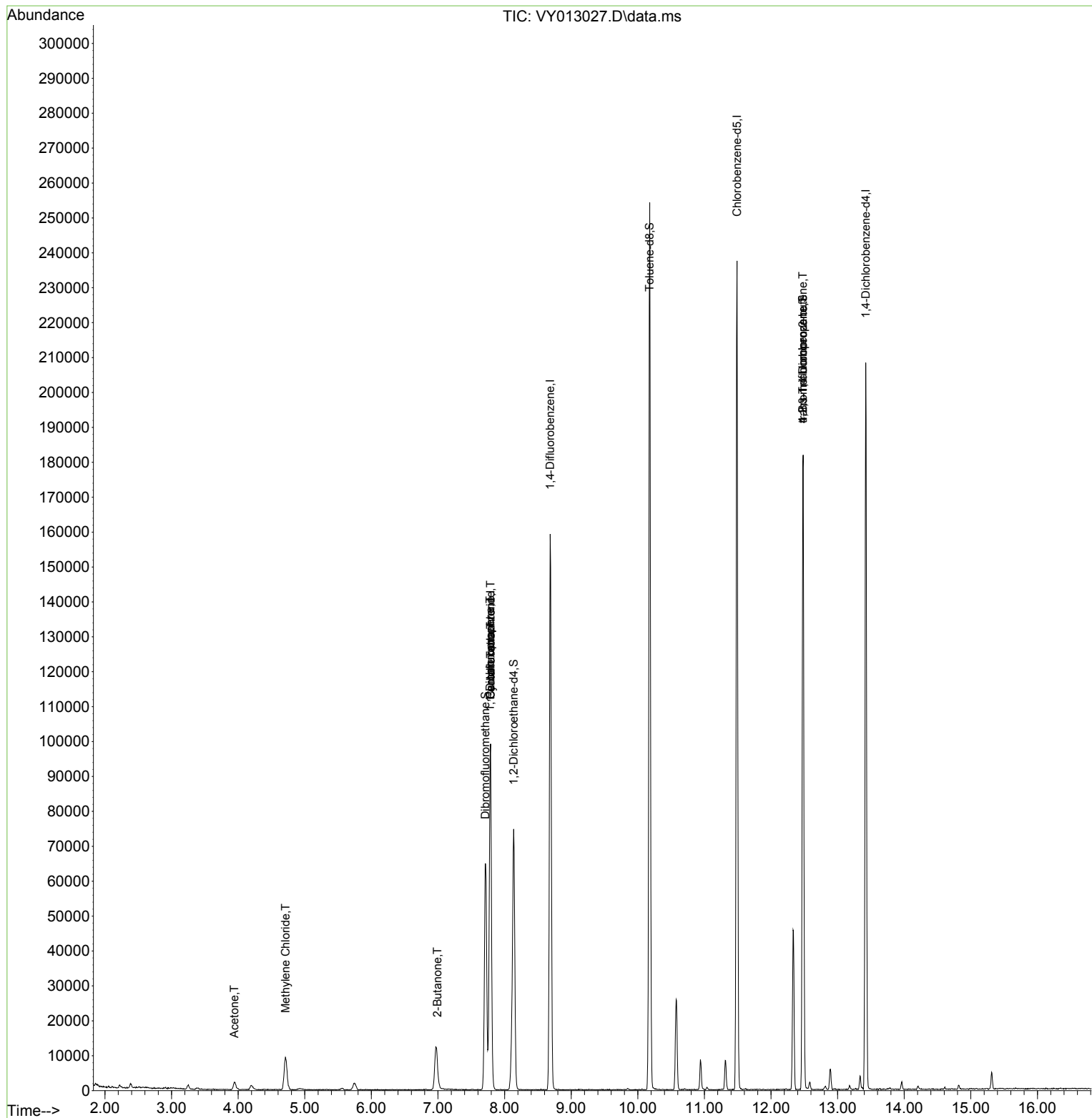
Internal Standards						
1) Pentafluorobenzene	7.789	168	77390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	132426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	122497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51476	66.993	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 133.980%	
35) Dibromofluoromethane	7.710	113	45799	57.307	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 114.620%	
50) Toluene-d8	10.179	98	160451	54.917	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 109.840%	
62) 4-Bromofluorobenzene	12.477	95	51129	51.848	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 103.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	488	Below Cal	#	74
16) Acetone	3.942	43	3763	12.477	ug/l	98
20) Methylene Chloride	4.710	84	6806	2.266	ug/l	94
25) 2-Butanone	6.990	43	1138	3.046	ug/l	# 76
31) Cyclohexane	7.789	56	1762	1.197	ug/l	# 3
36) 1,1-Dichloropropene	7.783	75	6034	4.505	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	7530	5.445	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	27082	42.347	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	27082	87.743	ug/l	# 13

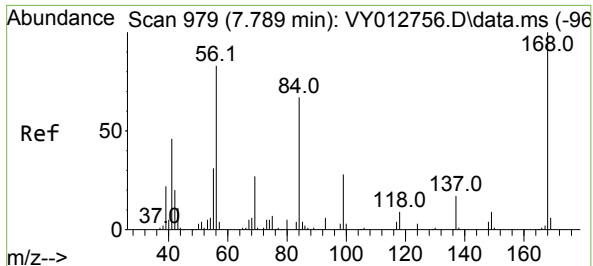
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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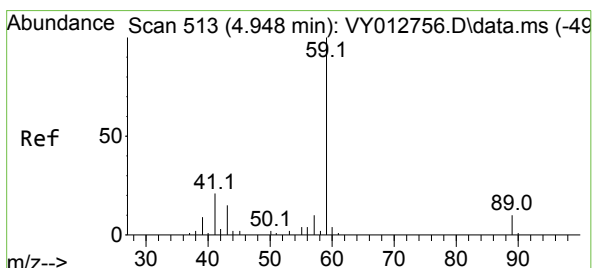
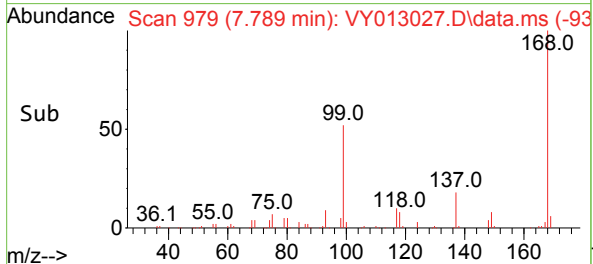
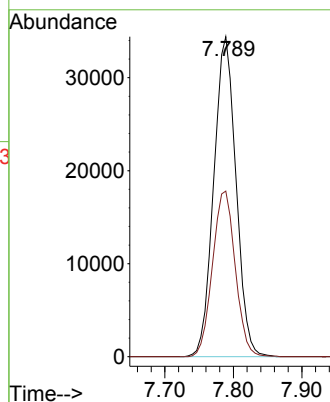
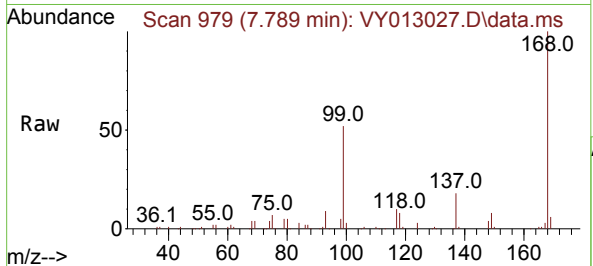




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

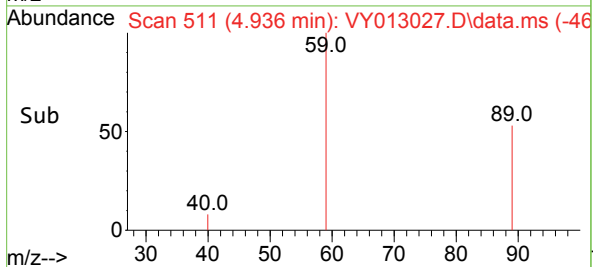
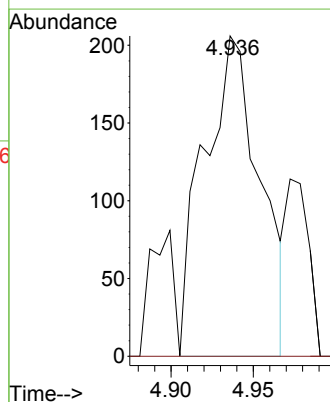
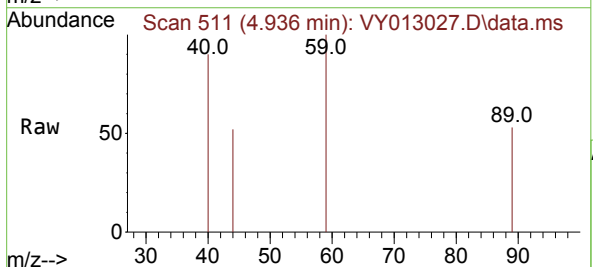
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

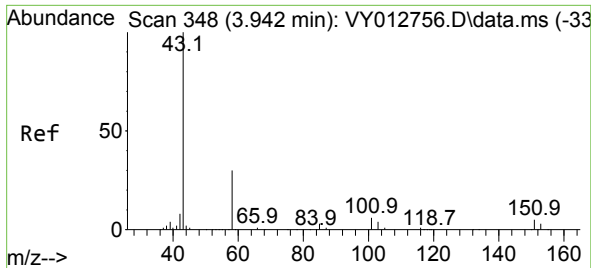
Tgt Ion:168 Resp: 77390
Ion Ratio Lower Upper
168 100
99 51.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

Tgt Ion: 59 Resp: 488
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 12.477 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

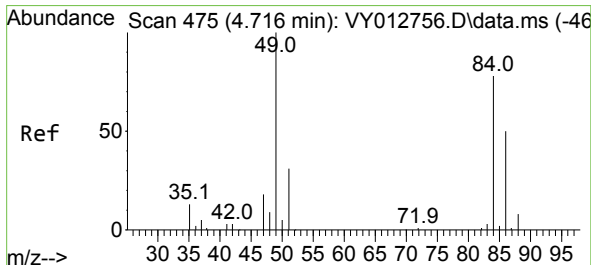
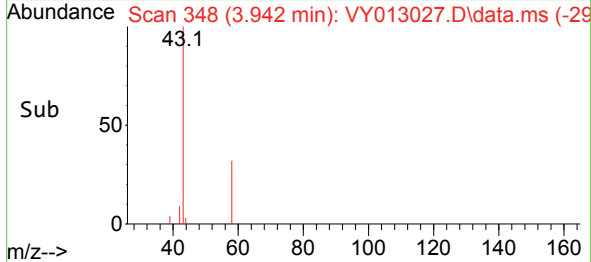
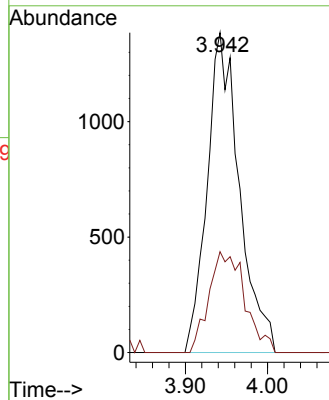
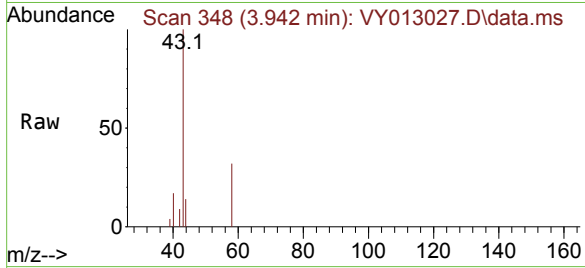
SP-4

Tgt Ion: 43 Resp: 3763

Ion Ratio Lower Upper

43 100

58 31.6 24.2 36.2



#20

Methylene Chloride

Concen: 2.266 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

Tgt Ion: 84 Resp: 6806

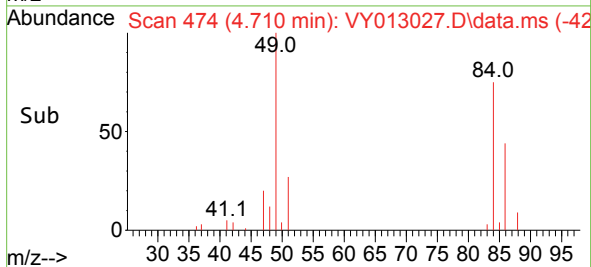
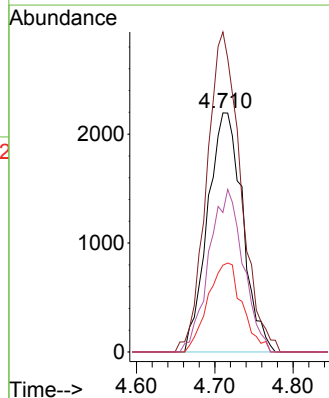
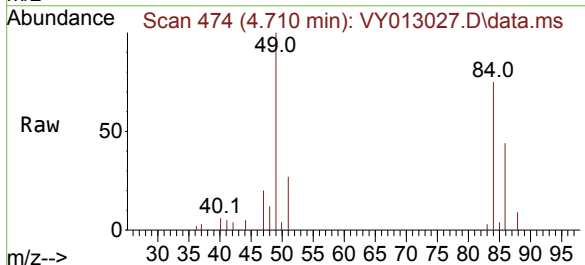
Ion Ratio Lower Upper

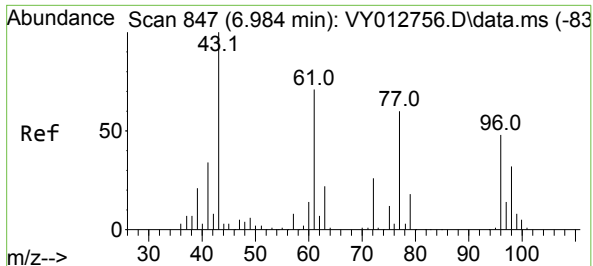
84 100

49 133.8 102.6 154.0

51 36.3 31.9 47.9

86 58.4 51.0 76.6





#25

2-Butanone

Concen: 3.046 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

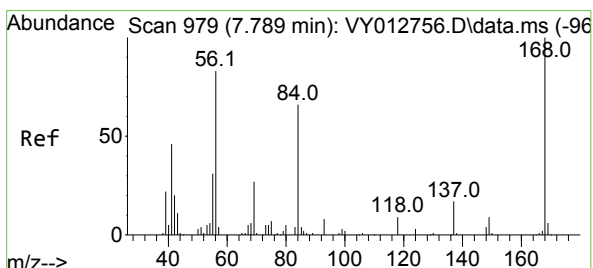
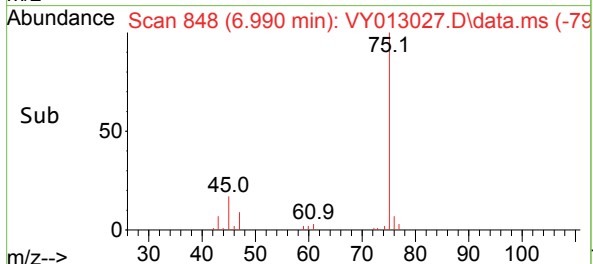
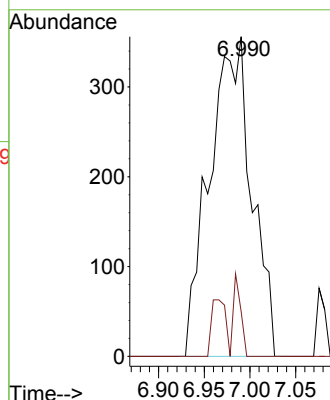
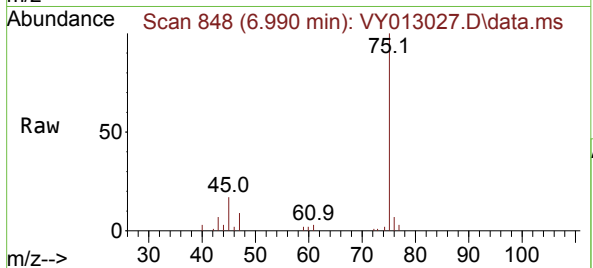
SP-4

Tgt Ion: 43 Resp: 1138

Ion Ratio Lower Upper

43 100

72 14.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

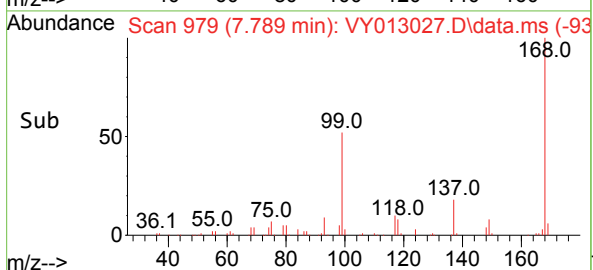
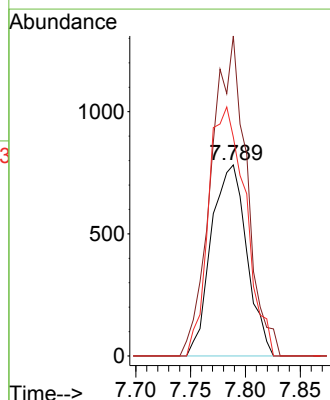
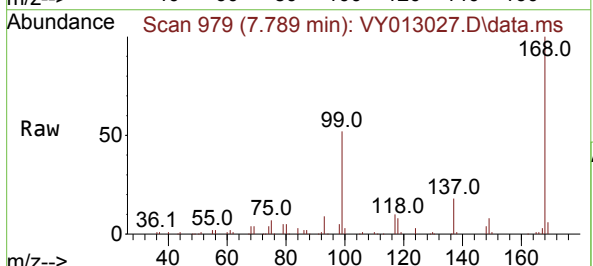
Tgt Ion: 56 Resp: 1762

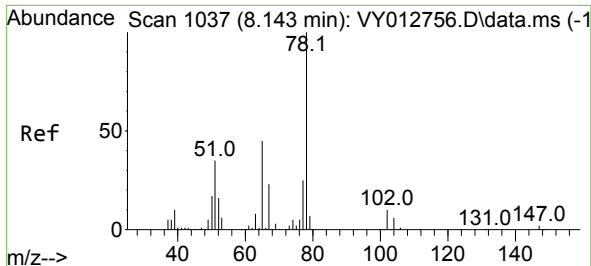
Ion Ratio Lower Upper

56 100

69 167.5 25.7 38.5#

84 114.6 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 66.993 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

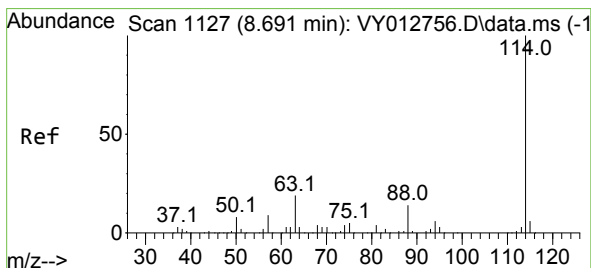
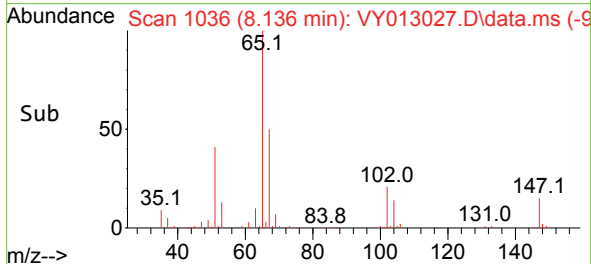
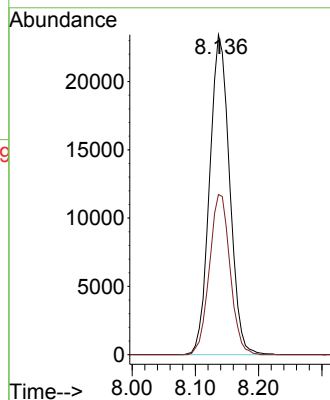
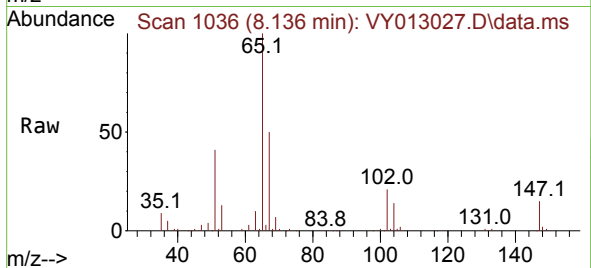
SP-4

Tgt Ion: 65 Resp: 51476

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

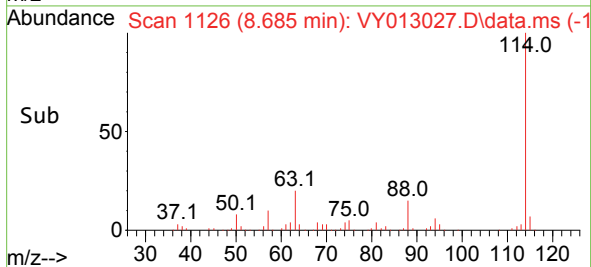
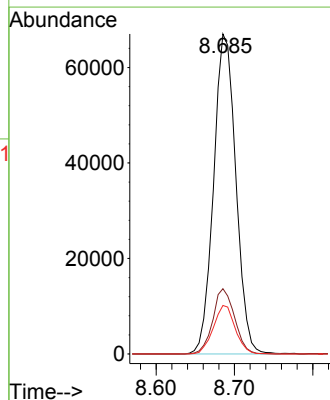
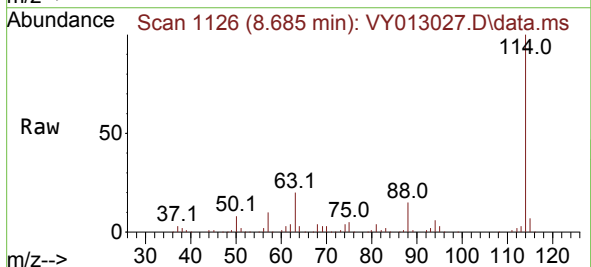
Tgt Ion: 114 Resp: 132426

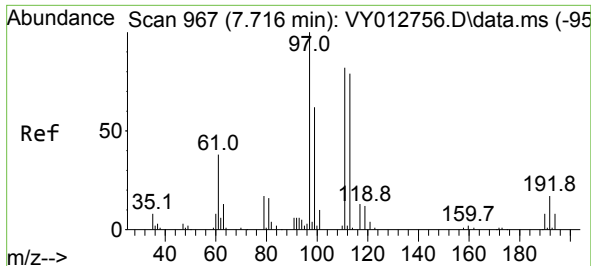
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.1 0.0 28.6

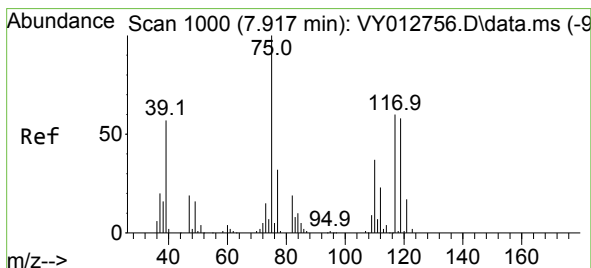
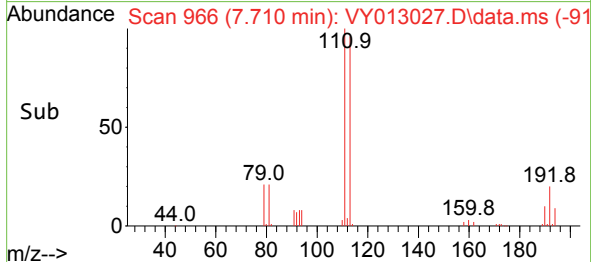
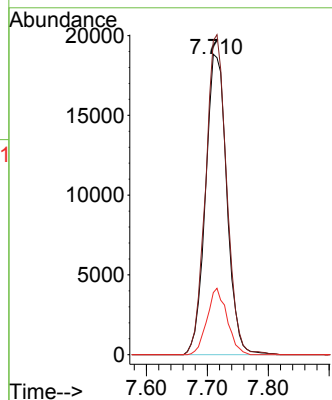
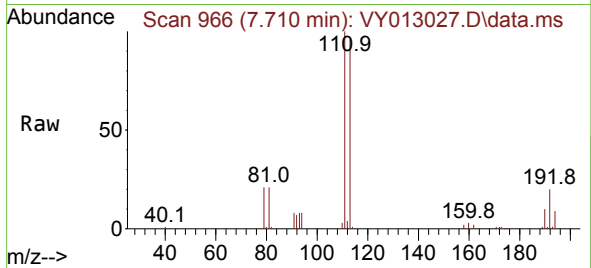




#35
Dibromofluoromethane
Concen: 57.307 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

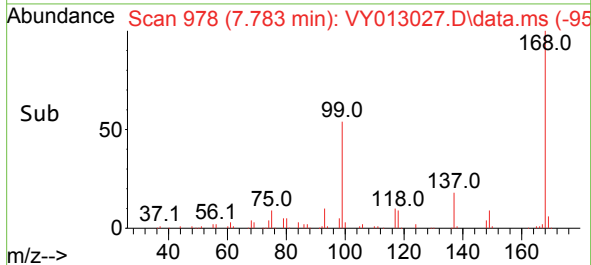
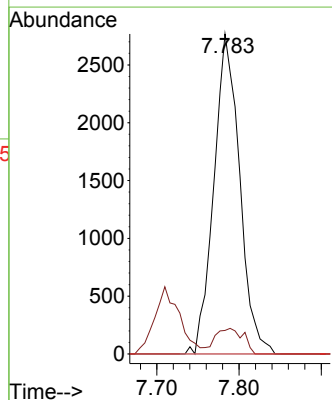
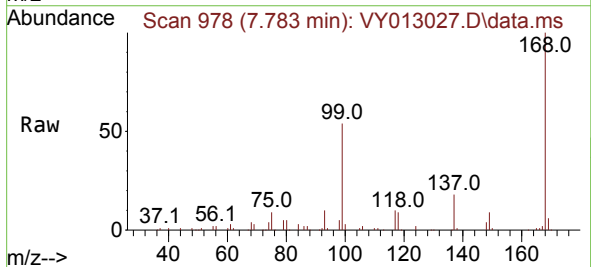
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

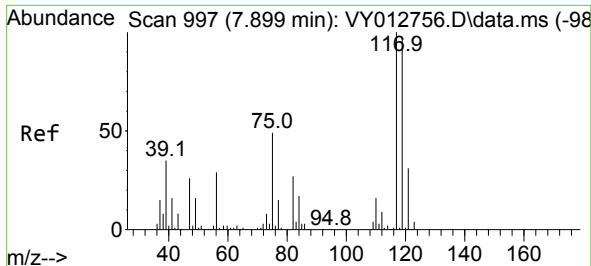
Tgt Ion:113 Resp: 45799
Ion Ratio Lower Upper
113 100
111 105.0 82.2 123.2
192 20.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.505 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

Tgt Ion: 75 Resp: 6034
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#

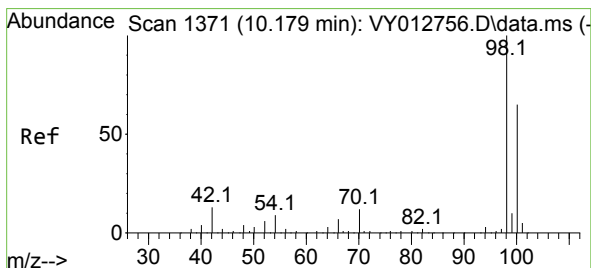
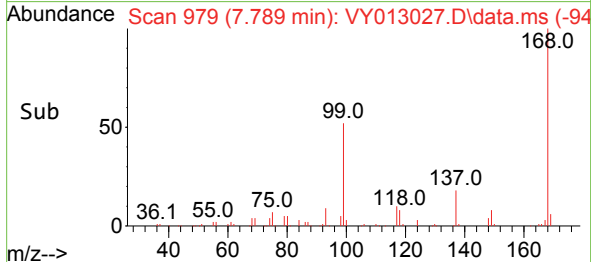
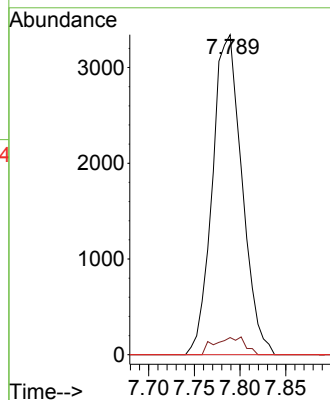
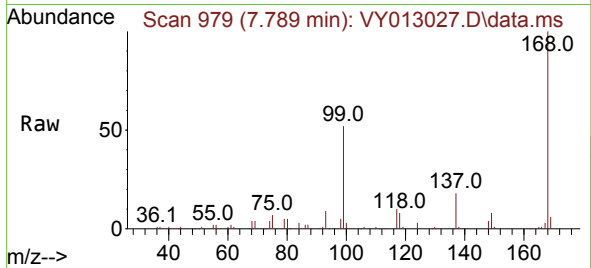




#38
Carbon Tetrachloride
Concen: 5.445 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

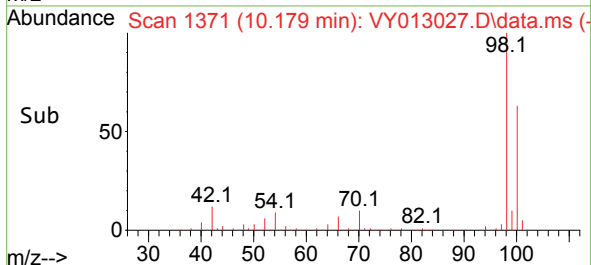
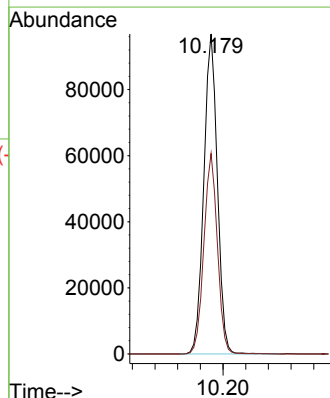
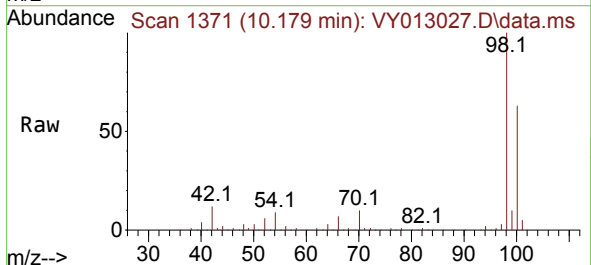
Instrument :
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ClientSampleId :
SP-4

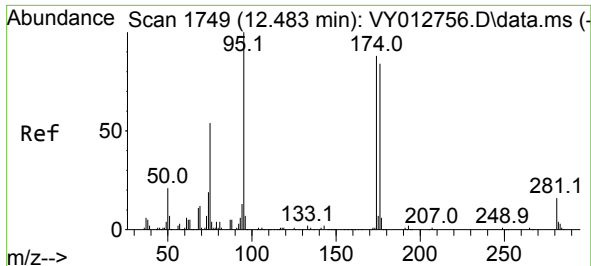
Tgt Ion:117 Resp: 7530
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.917 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

Tgt Ion: 98 Resp: 160451
Ion Ratio Lower Upper
98 100
100 62.4 50.9 76.3

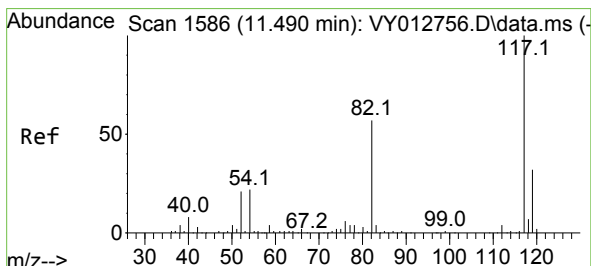
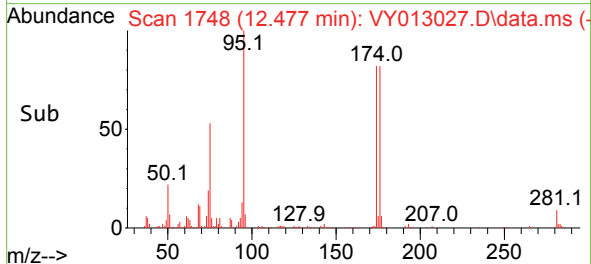
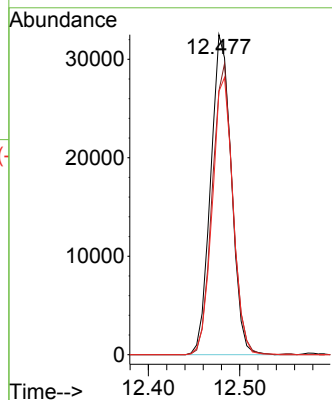
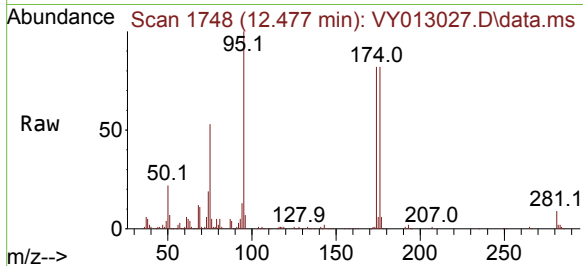




#62
4-Bromofluorobenzene
Concen: 51.848 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

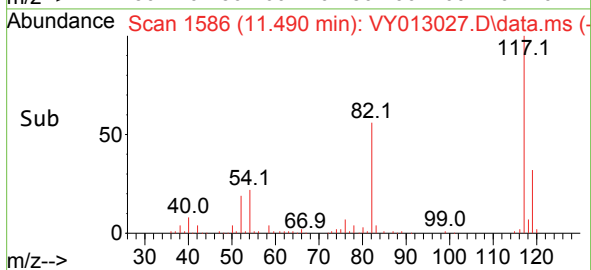
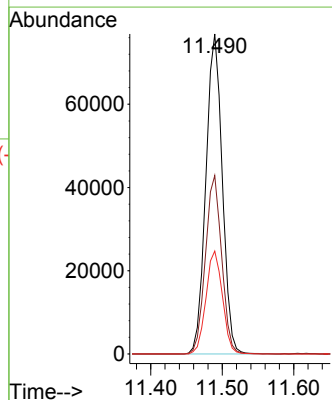
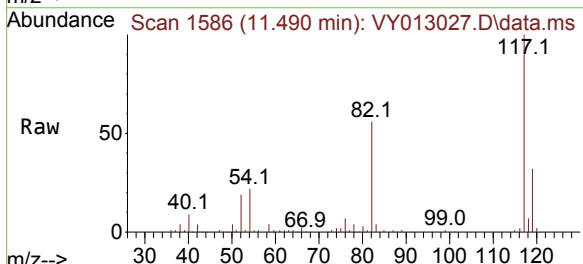
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

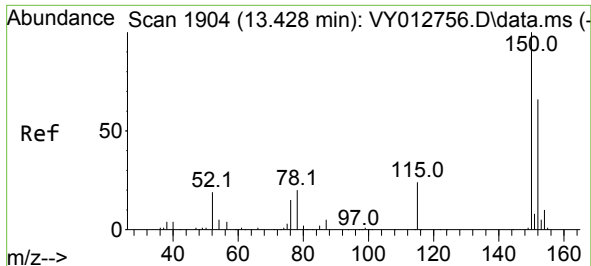
Tgt Ion: 95 Resp: 51129
Ion Ratio Lower Upper
95 100
174 89.9 0.0 176.6
176 86.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

Tgt Ion: 117 Resp: 122497
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.0
119 32.2 25.6 38.4

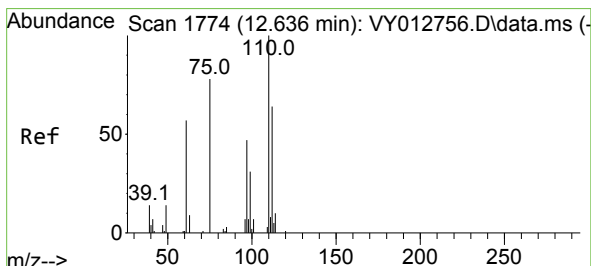
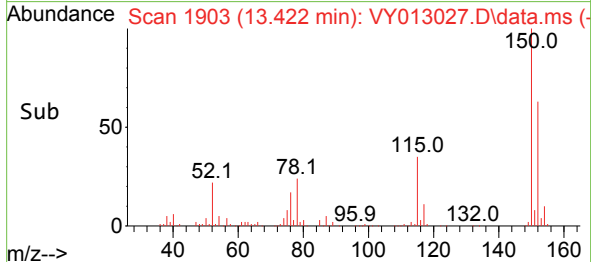
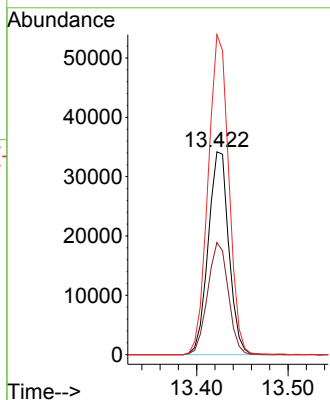
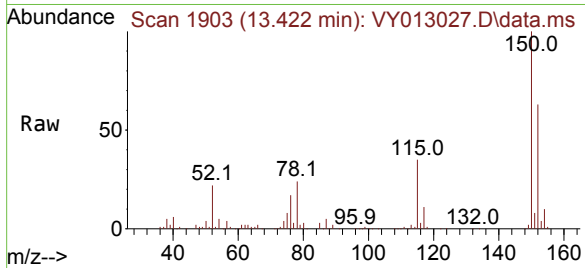




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY013027.D
 Acq: 21 Mar 2023 15:12

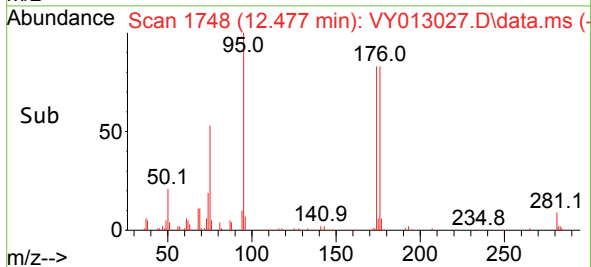
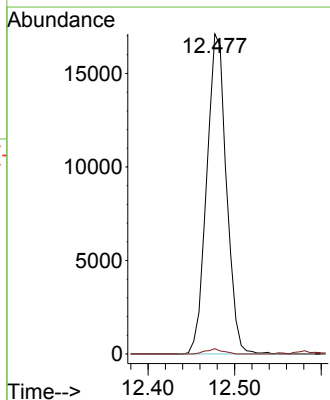
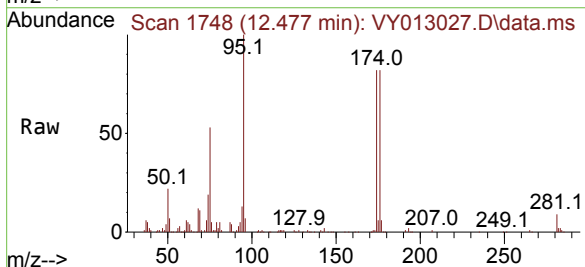
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

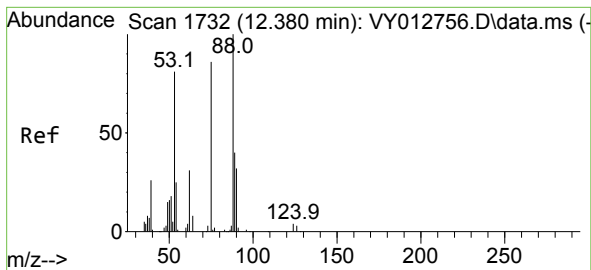
Tgt Ion:152 Resp: 53555
 Ion Ratio Lower Upper
 152 100
 115 55.4 27.1 81.3
 150 158.4 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 42.347 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY013027.D
 Acq: 21 Mar 2023 15:12

Tgt Ion: 75 Resp: 27082
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.743 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013027.D
 Acq: 21 Mar 2023 15:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

Tgt Ion: 75 Resp: 27082
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.1 36.6 55.0#

