

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012902.D
 Acq On : 09 Mar 2023 16:27
 Operator : KP/MD
 Sample : 01833-04
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 42

Quant Time: Mar 10 00:32:23 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)

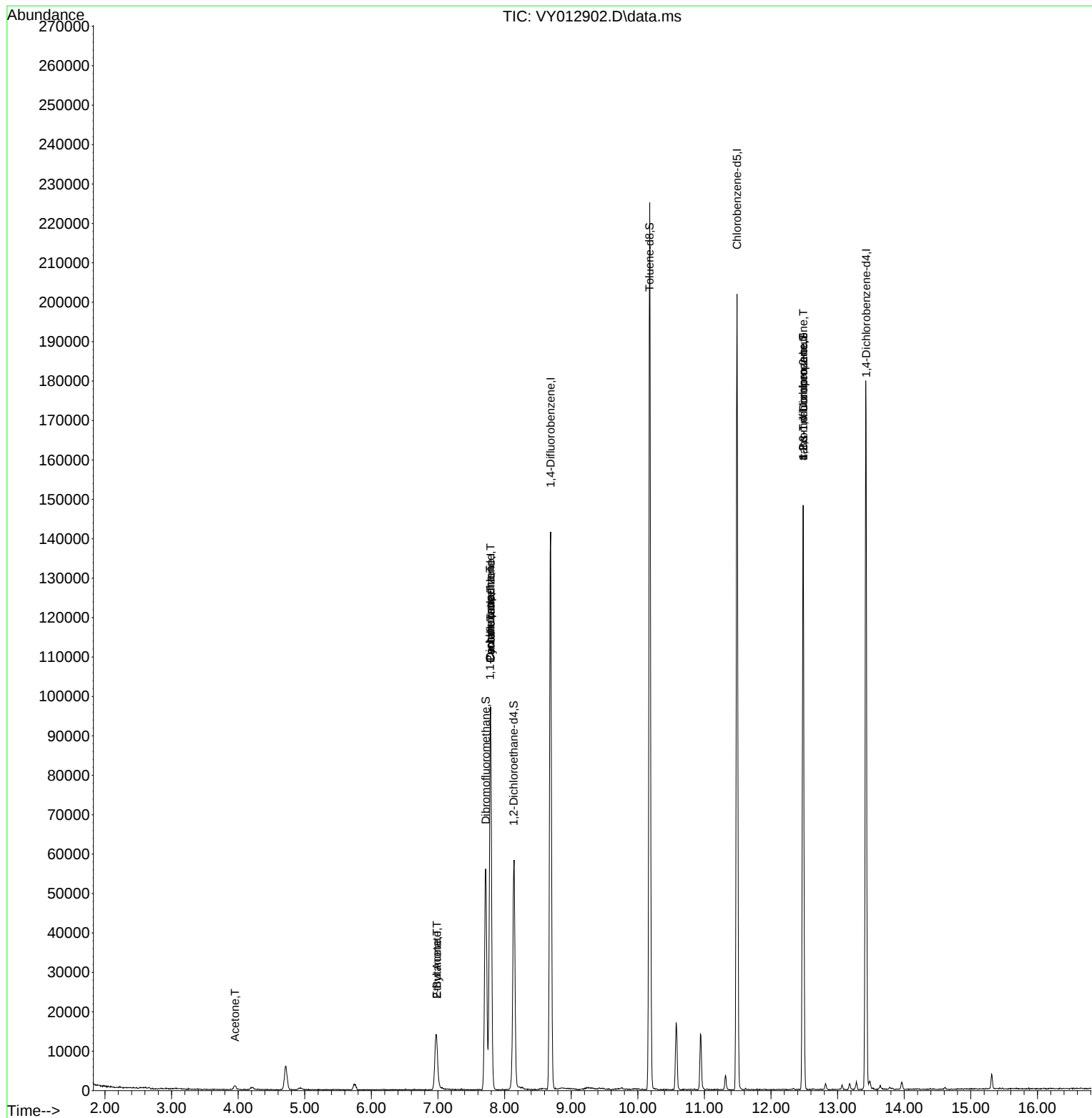
Internal Standards						
1) Pentafluorobenzene	7.789	168	77208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	120940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	105261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	45880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	43193	56.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.700%	
35) Dibromofluoromethane	7.716	113	38490	52.735	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.179	98	142553	53.425	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.483	95	40555	45.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.060%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	450	Below Cal	#	74
16) Acetone	3.954	43	1973	6.557	ug/l #	84
20) Methylene Chloride	4.710	84	4487	Below Cal		84
25) 2-Butanone	6.984	43	1213	3.255	ug/l #	72
31) Cyclohexane	7.789	56	1753	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	5713	4.671	ug/l #	50
37) Ethyl Acetate	6.984	43	1213	1.573	ug/l #	14
38) Carbon Tetrachloride	7.789	117	7249	5.739	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	20733	37.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20733	78.410	ug/l #	13

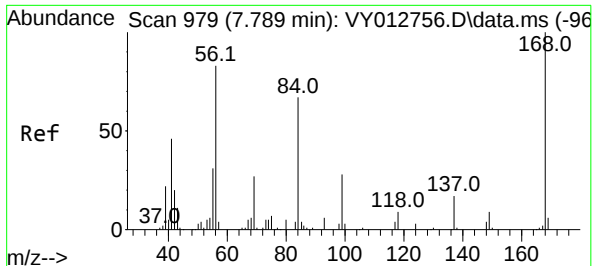
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

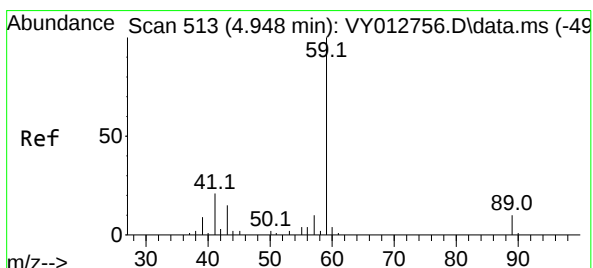
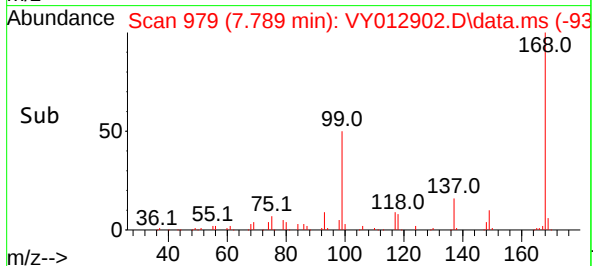
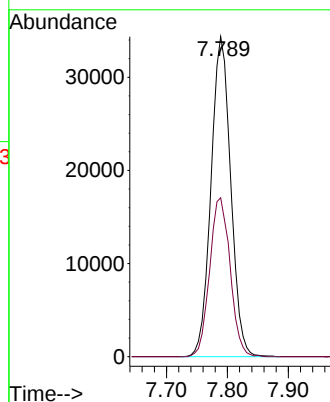
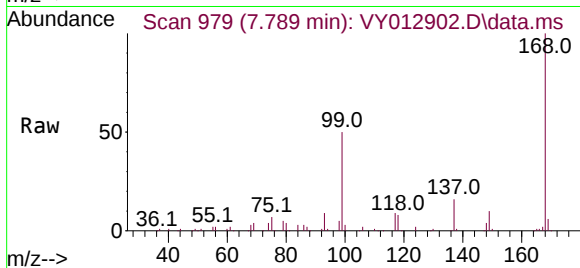




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

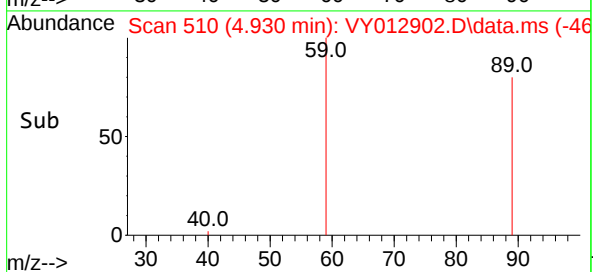
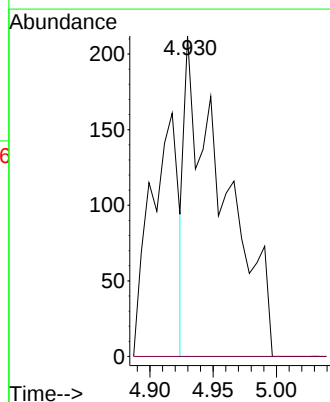
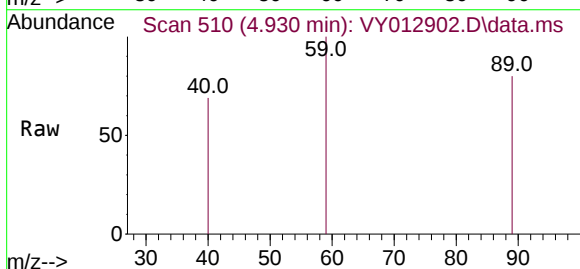
Instrument :
MSVOA_Y
ClientSampleId :
42

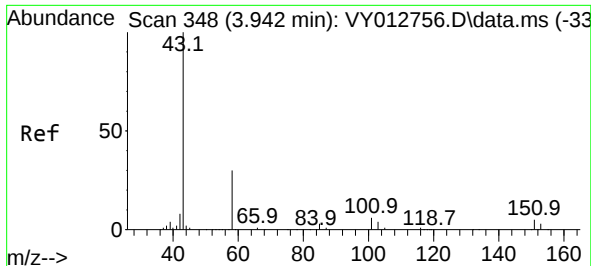
Tgt Ion:168 Resp: 77208
Ion Ratio Lower Upper
168 100
99 49.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Tgt Ion: 59 Resp: 450
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

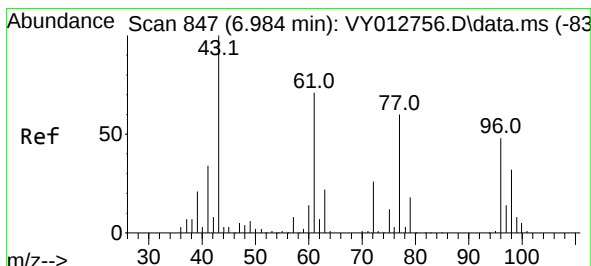
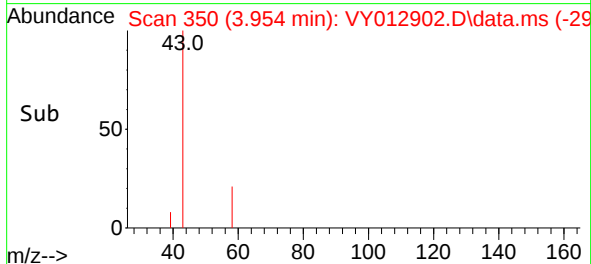
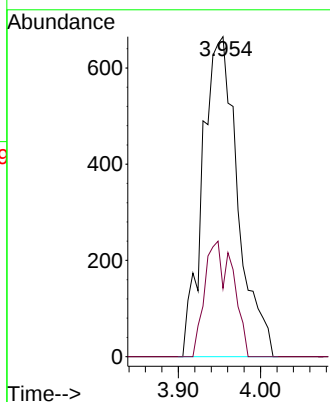
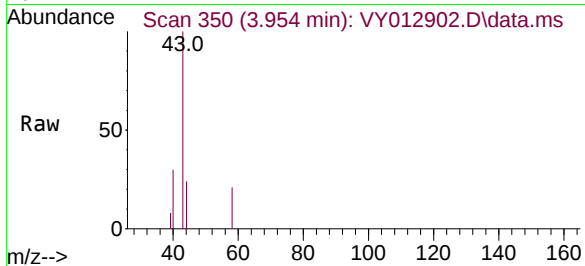




#16
Acetone
Concen: 6.557 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

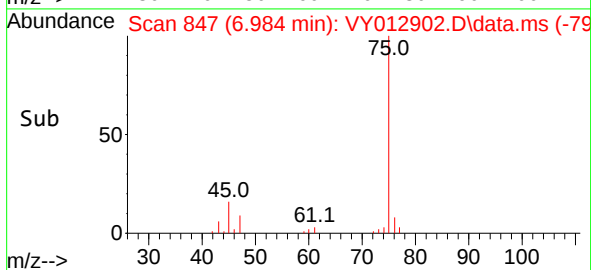
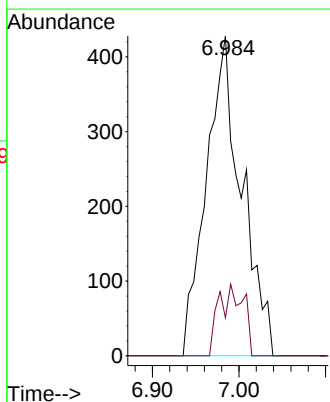
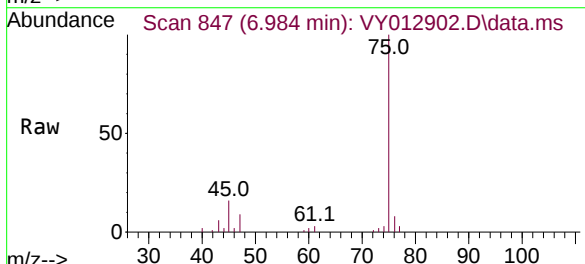
Instrument :
MSVOA_Y
ClientSampleId :
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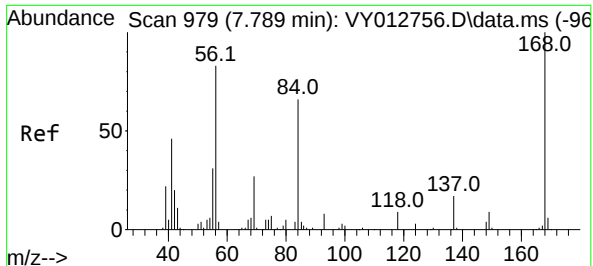
Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
58 21.4 24.2 36.2#



#25
2-Butanone
Concen: 3.255 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
72 11.9 21.0 31.4#





#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY012902.D

Acq: 09 Mar 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

42

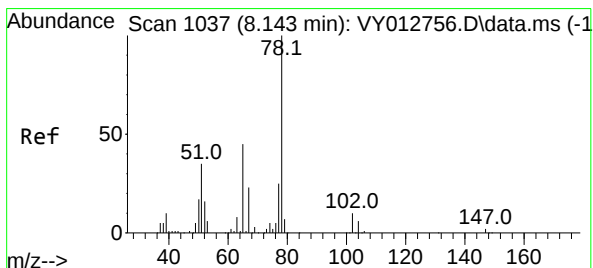
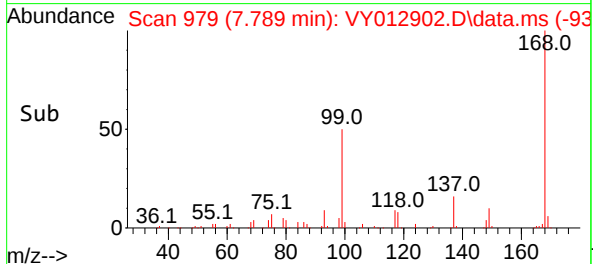
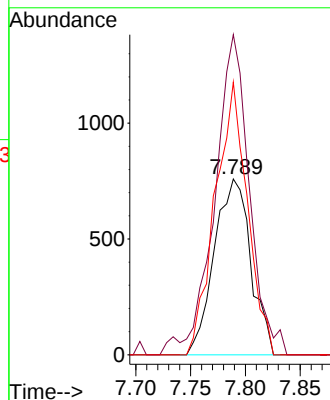
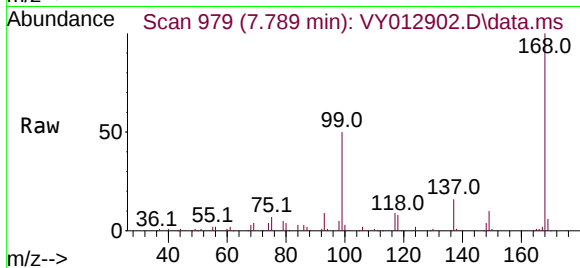
Tgt Ion: 56 Resp: 1753

Ion Ratio Lower Upper

56 100

69 175.2 25.7 38.5#

84 155.1 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 56.345 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012902.D

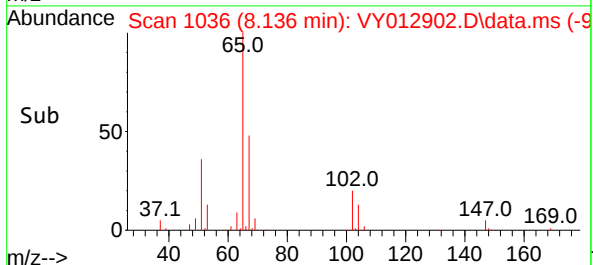
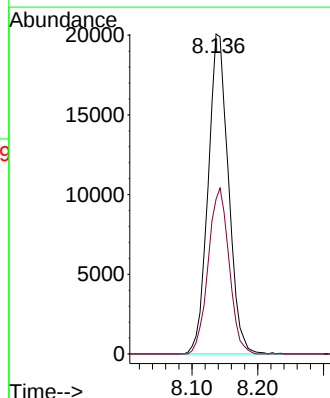
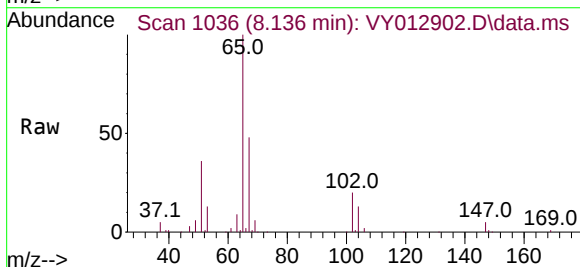
Acq: 09 Mar 2023 16:27

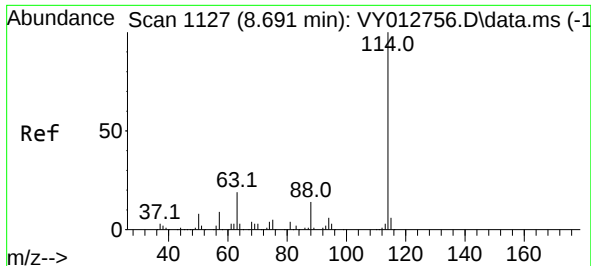
Tgt Ion: 65 Resp: 43193

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.0

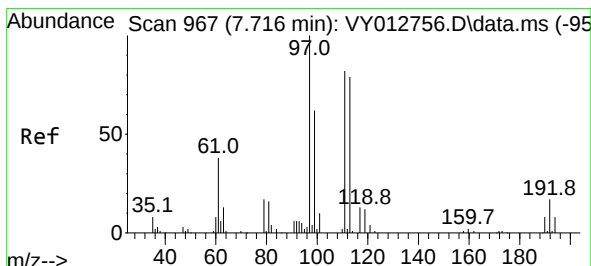
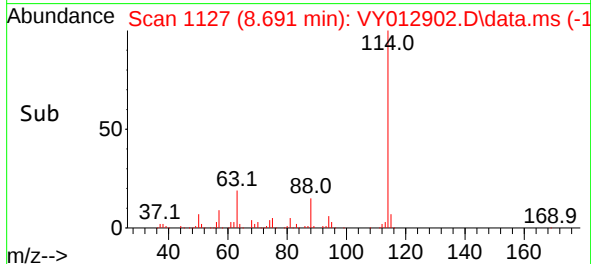
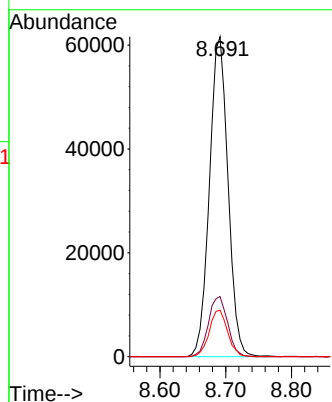
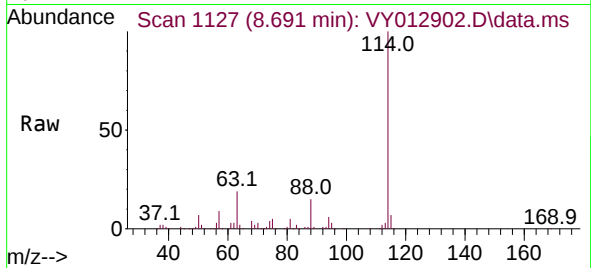




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

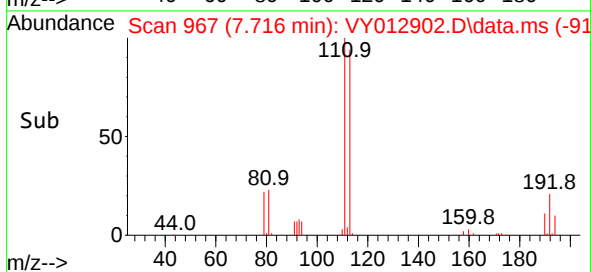
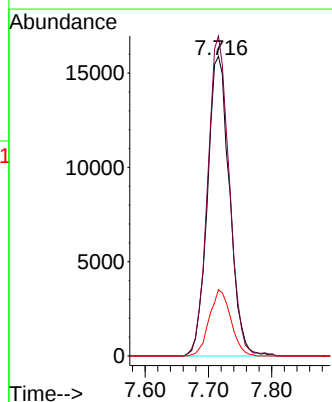
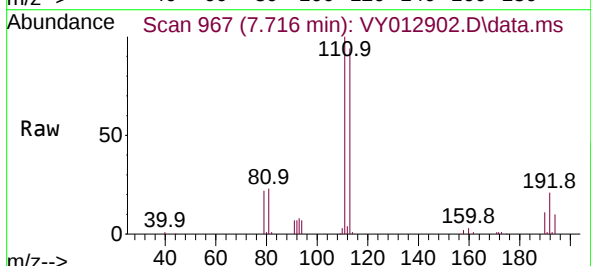
Instrument :
MSVOA_Y
ClientSampleId :
42

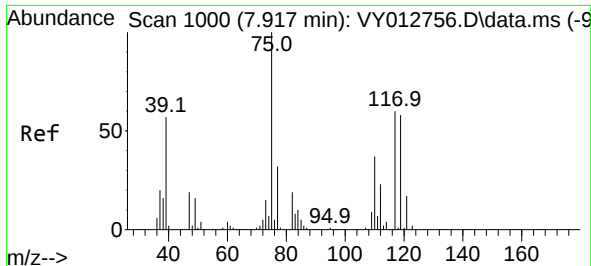
Tgt Ion:114 Resp: 120940
Ion Ratio Lower Upper
114 100
63 18.8 0.0 37.4
88 14.5 0.0 28.6



#35
Dibromofluoromethane
Concen: 52.735 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Tgt Ion:113 Resp: 38490
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.2
192 21.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012902.D

Acq: 09 Mar 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

42

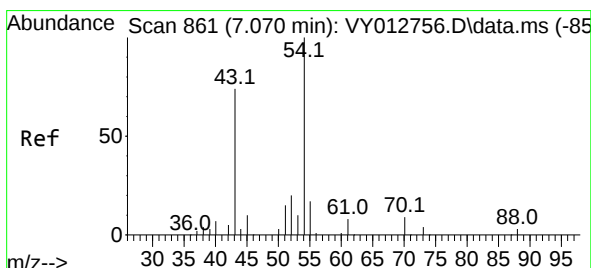
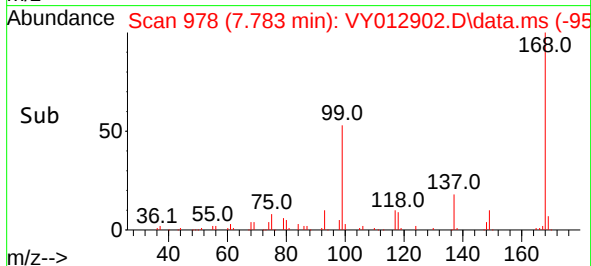
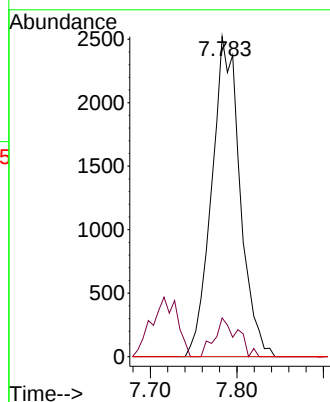
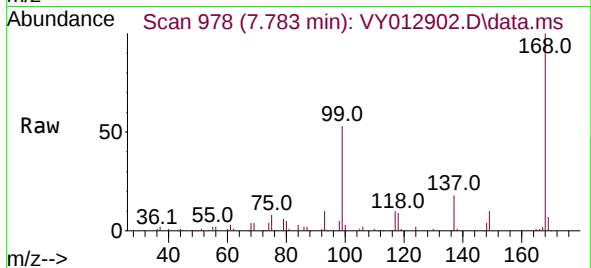
Tgt Ion: 75 Resp: 5713

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.573 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

Lab File: VY012902.D

Acq: 09 Mar 2023 16:27

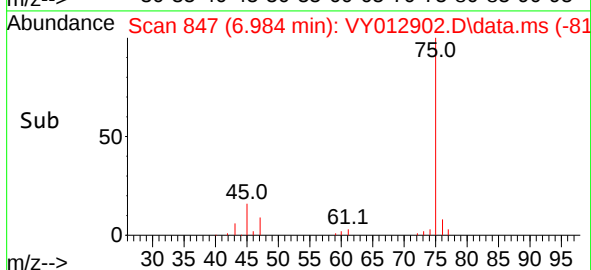
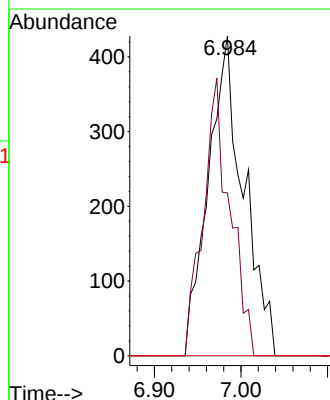
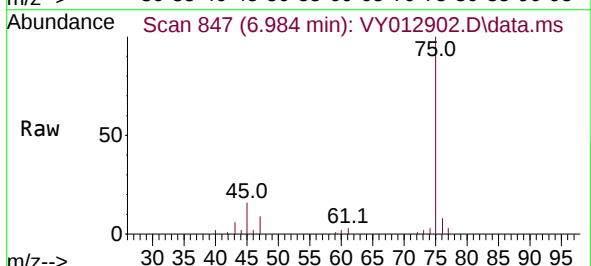
Tgt Ion: 43 Resp: 1213

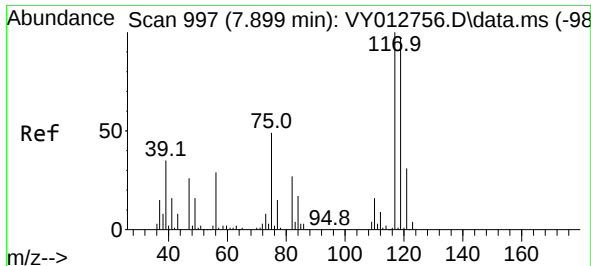
Ion Ratio Lower Upper

43 100

61 65.5 10.7 16.1#

70 0.0 7.8 11.8#

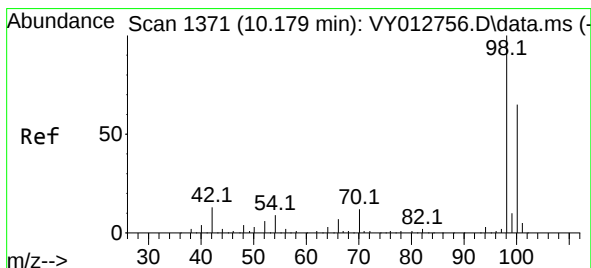
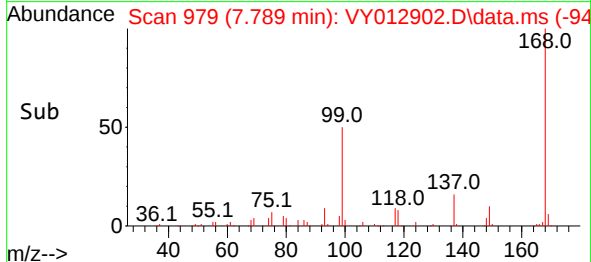
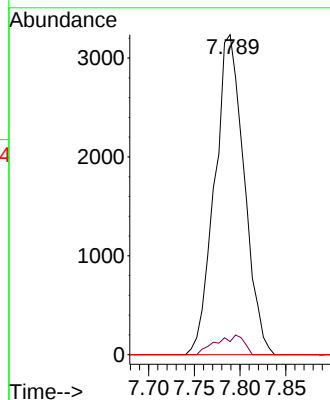
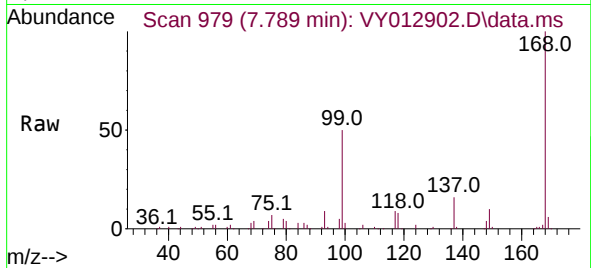




#38
Carbon Tetrachloride
Concen: 5.739 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

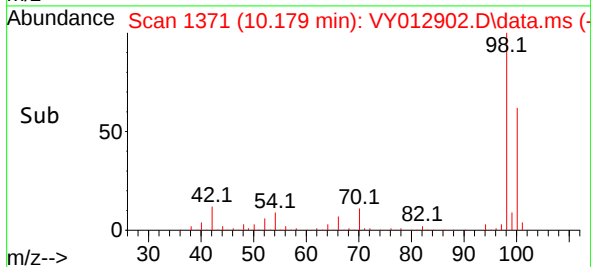
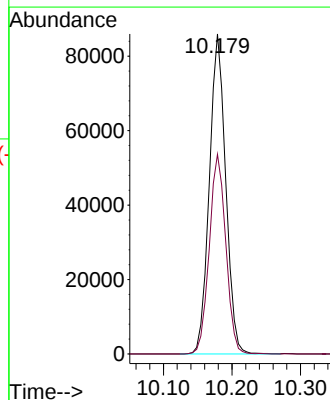
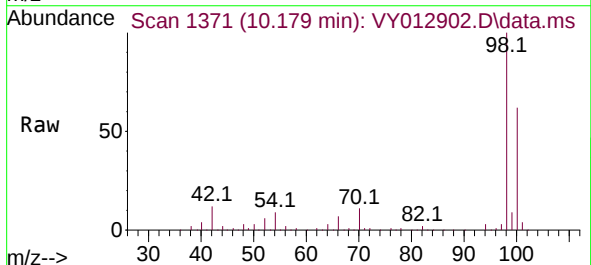
Instrument :
MSVOA_Y
ClientSampleId :
42

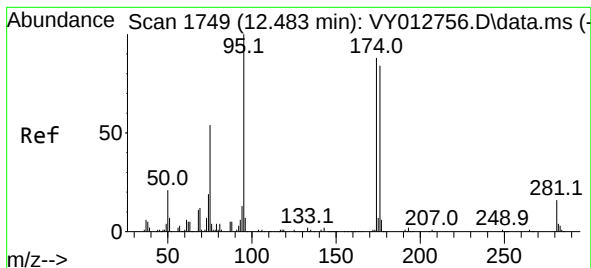
Tgt Ion:117 Resp: 7249
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.425 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Tgt Ion: 98 Resp: 142553
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3

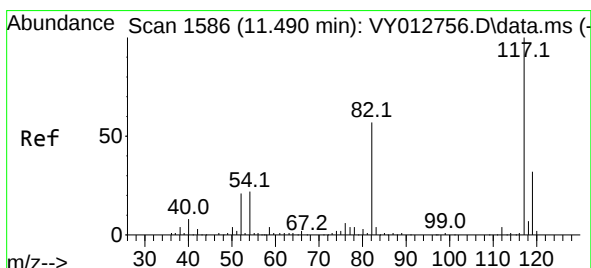
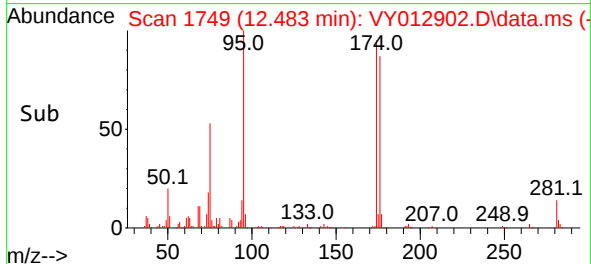
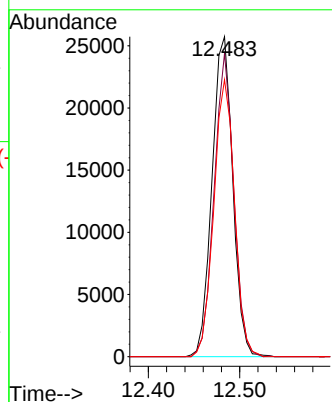
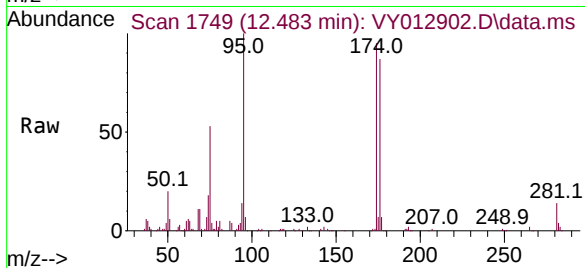




#62
4-Bromofluorobenzene
Concen: 45.031 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

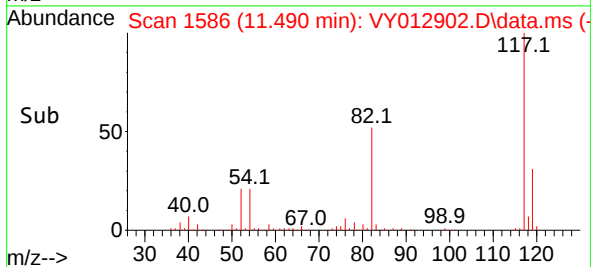
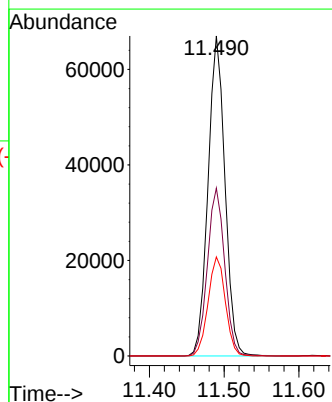
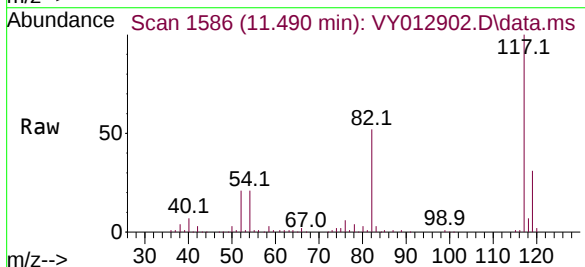
Instrument :
MSVOA_Y
ClientSampleId :
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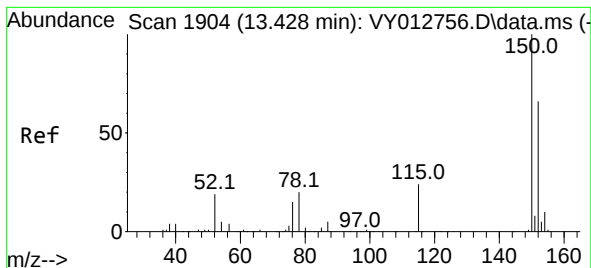
Tgt Ion: 95 Resp: 40555
Ion Ratio Lower Upper
95 100
174 90.0 0.0 176.6
176 86.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012902.D
Acq: 09 Mar 2023 16:27

Tgt Ion: 117 Resp: 105261
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.0
119 31.0 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: VY012902.D

Acq: 09 Mar 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

42

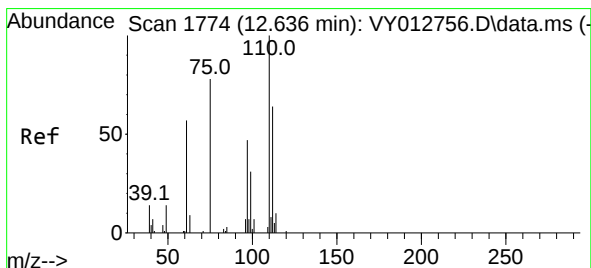
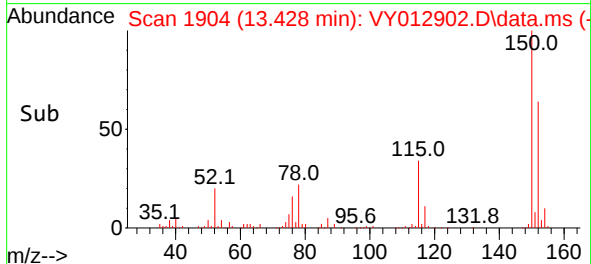
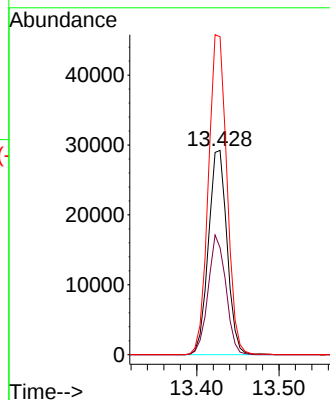
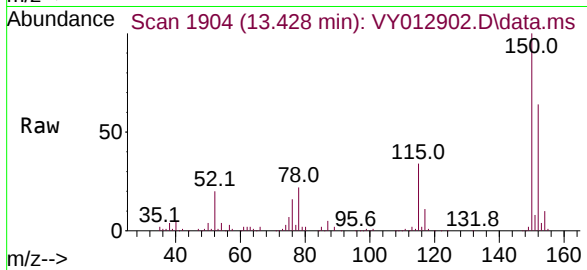
Tgt Ion:152 Resp: 45880

Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.3

150 155.8 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 37.842 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012902.D

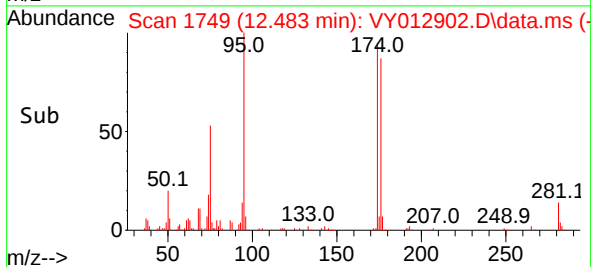
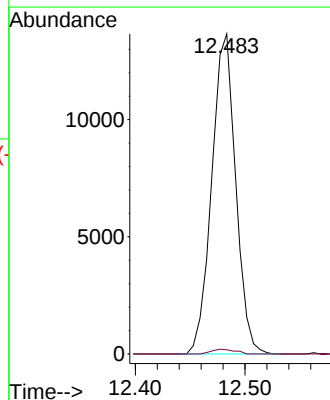
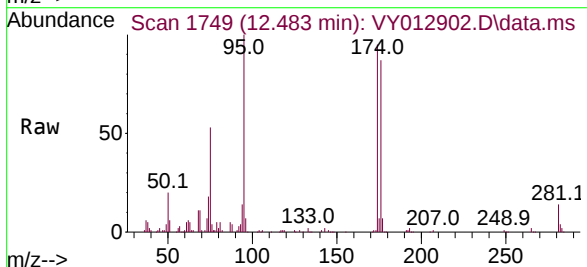
Acq: 09 Mar 2023 16:27

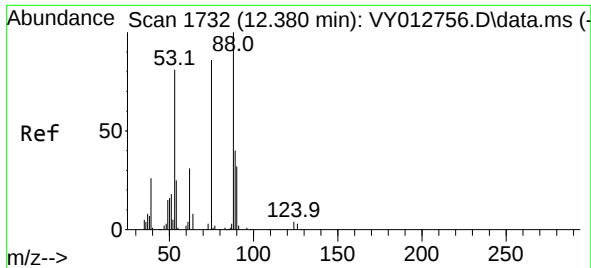
Tgt Ion: 75 Resp: 20733

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.410 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012902.D
 Acq: 09 Mar 2023 16:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 42

Tgt Ion: 75 Resp: 20733
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.1 36.6 55.0#

