

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012973.D
 Acq On : 16 Mar 2023 16:19
 Operator : KP/MD
 Sample : 01965-01
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Mar 17 01:37:17 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)

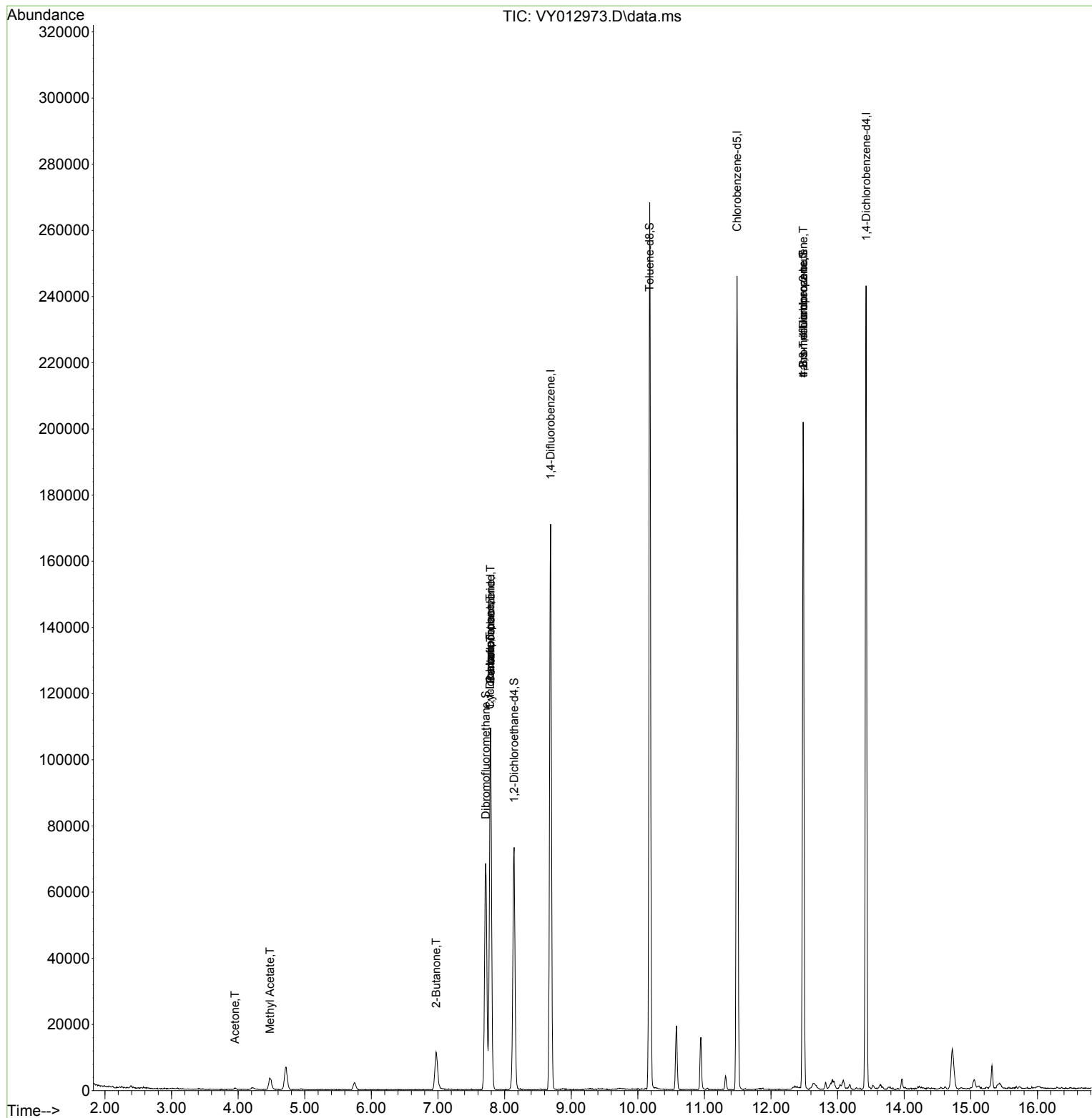
Internal Standards						
1) Pentafluorobenzene	7.789	168	83736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	143064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	131247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55719	67.019	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 134.040%		
35) Dibromofluoromethane	7.715	113	48876	56.609	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.220%		
50) Toluene-d8	10.178	98	169491	53.698	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 107.400%		
62) 4-Bromofluorobenzene	12.483	95	54789	51.428	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 102.860%		
Target Compounds						
11) Tert butyl alcohol	4.942	59	193	Below Cal	#	74
16) Acetone	3.954	43	770	2.360	ug/l #	80
18) Methyl Acetate	4.478	43	7286	7.498	ug/l	99
20) Methylene Chloride	4.722	84	4819	Below Cal		95
25) 2-Butanone	6.972	43	801	1.982	ug/l #	49
31) Cyclohexane	7.783	56	1848	1.161	ug/l #	9
36) 1,1-Dichloropropene	7.783	75	6708	4.636	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7982	5.342	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	28670	38.338	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	28670	79.438	ug/l #	13

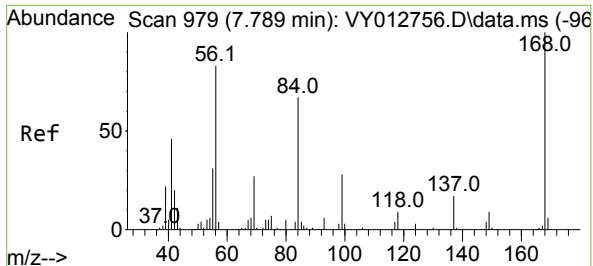
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

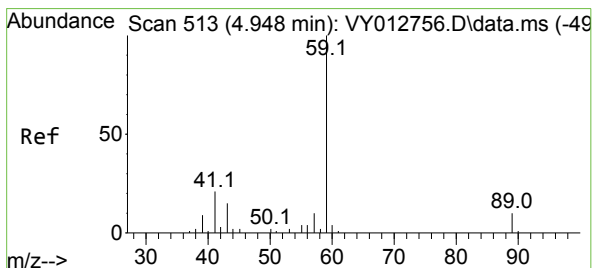
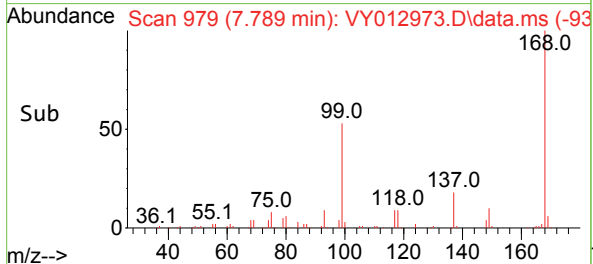
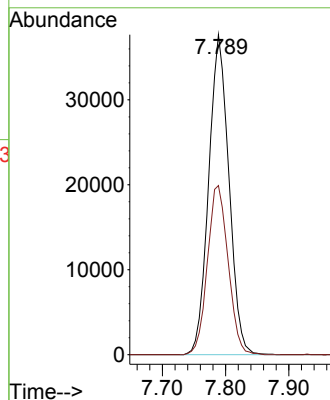
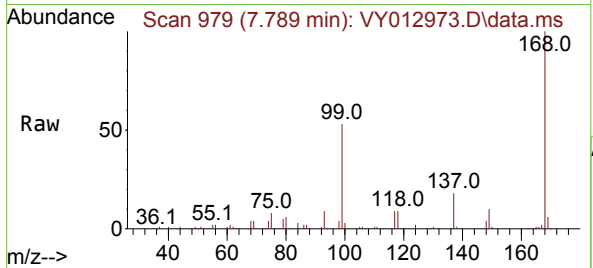




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

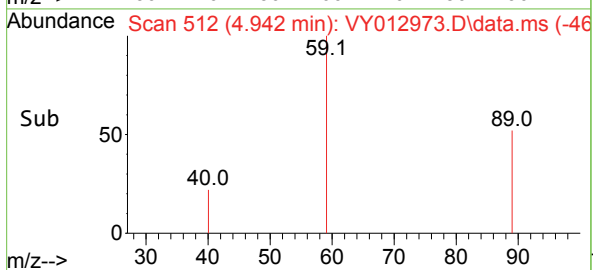
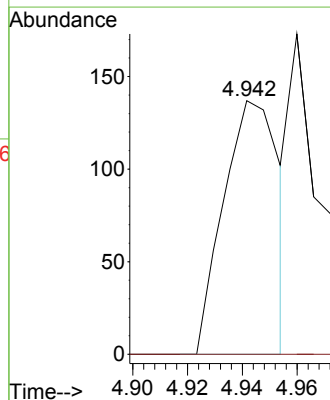
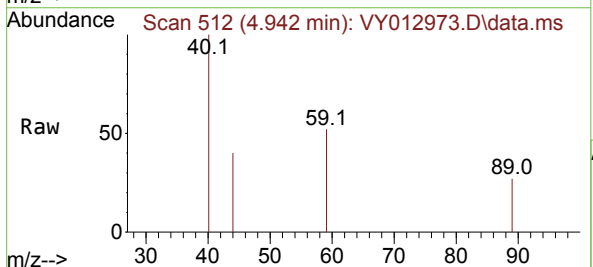
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

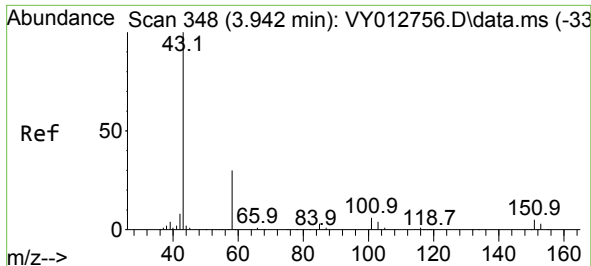
Tgt Ion:168 Resp: 83736
Ion Ratio Lower Upper
168 100
99 52.9 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

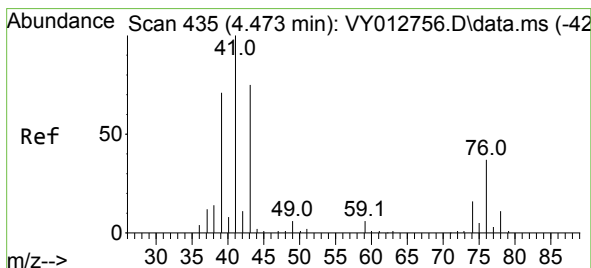
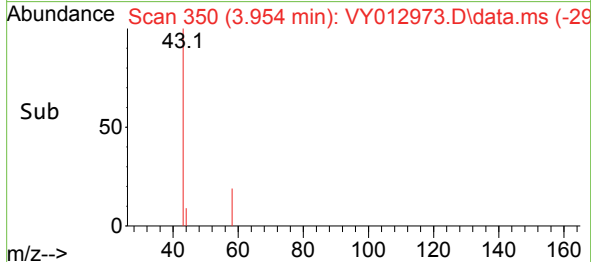
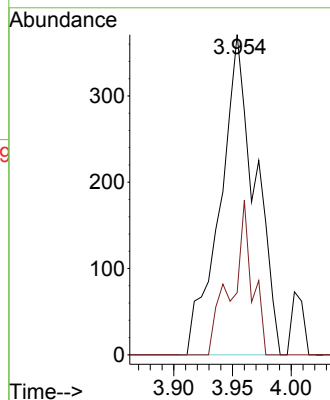
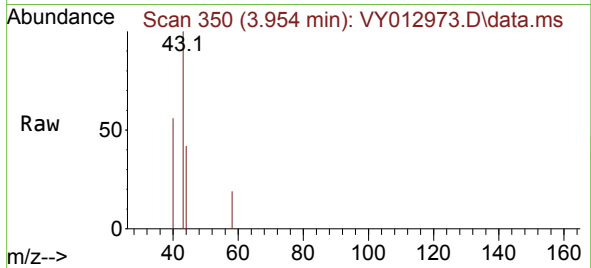




#16
Acetone
Concen: 2.360 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

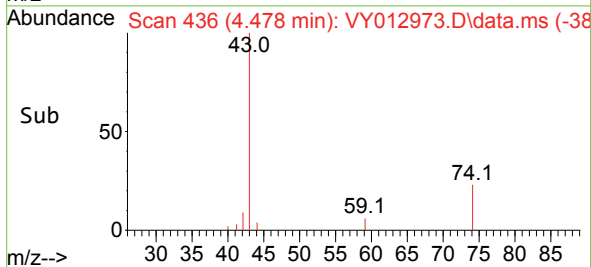
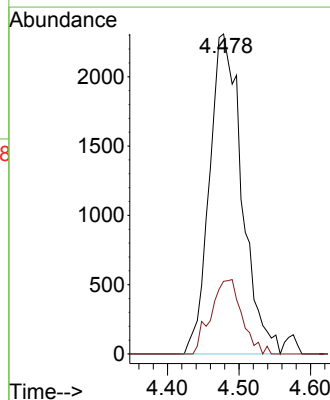
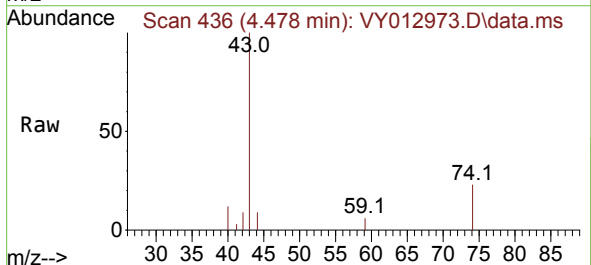
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

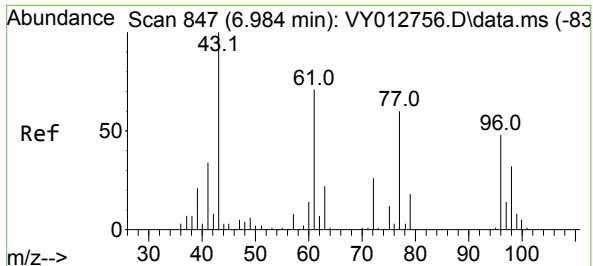
Tgt Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 19.4 24.2 36.2#



#18
Methyl Acetate
Concen: 7.498 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.005 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

Tgt Ion: 43 Resp: 7286
Ion Ratio Lower Upper
43 100
74 22.2 17.4 26.0

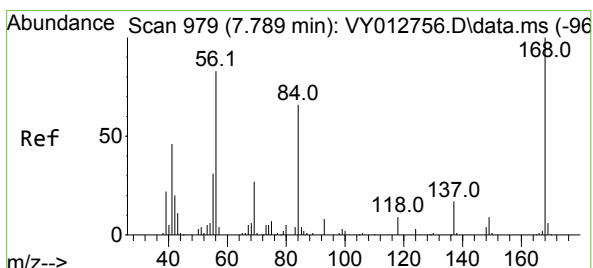
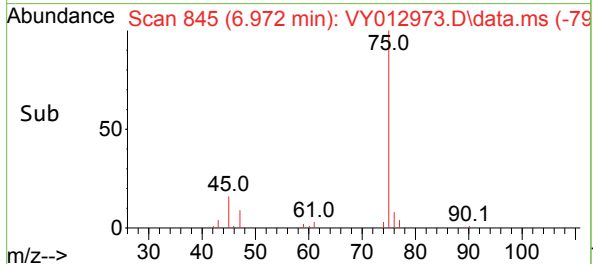
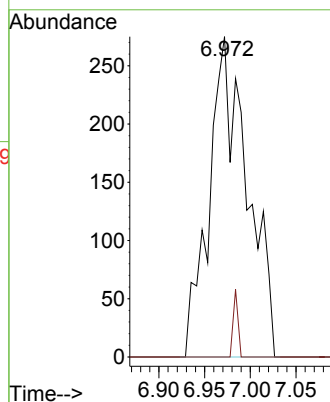
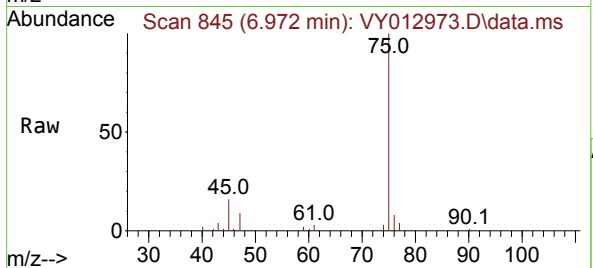




#25
2-Butanone
Concen: 1.982 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

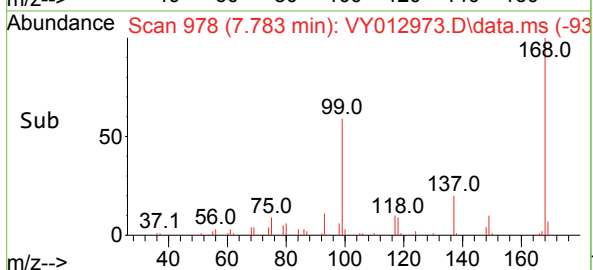
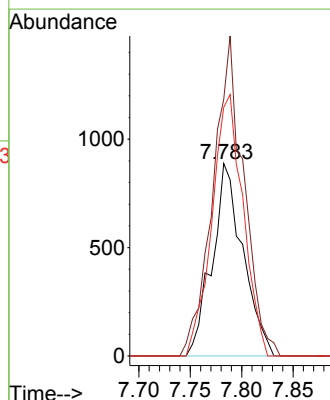
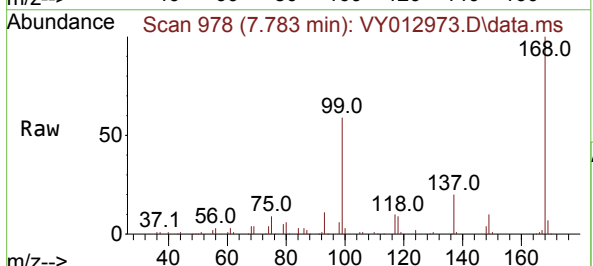
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

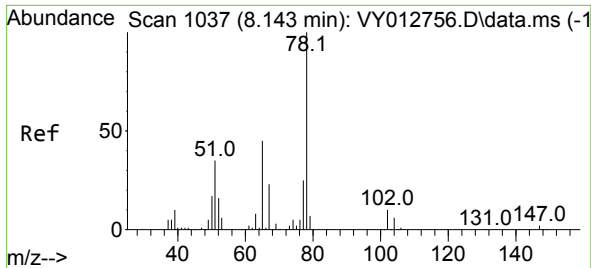
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

Tgt Ion: 56 Resp: 1848
Ion Ratio Lower Upper
56 100
69 133.2 25.7 38.5#
84 129.2 64.3 96.5#

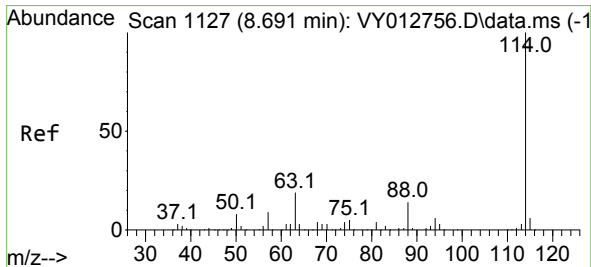
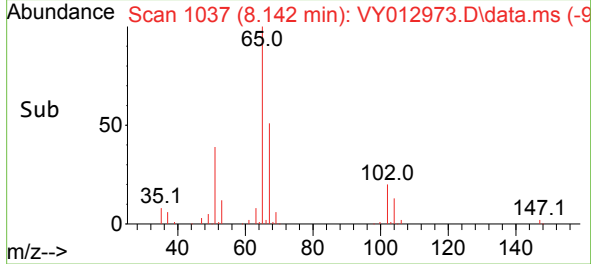
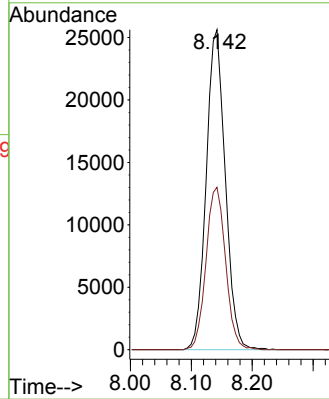
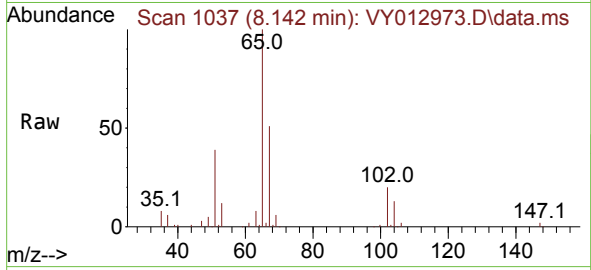




#33
 1,2-Dichloroethane-d4
 Concen: 67.019 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012973.D
 Acq: 16 Mar 2023 16:19

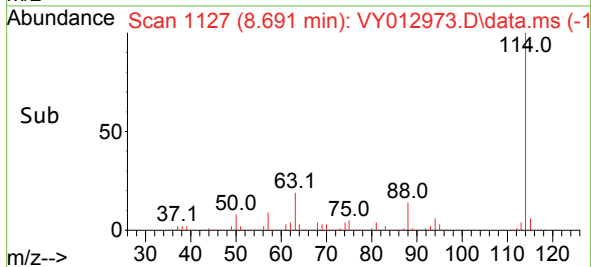
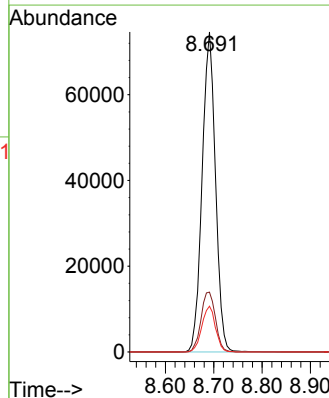
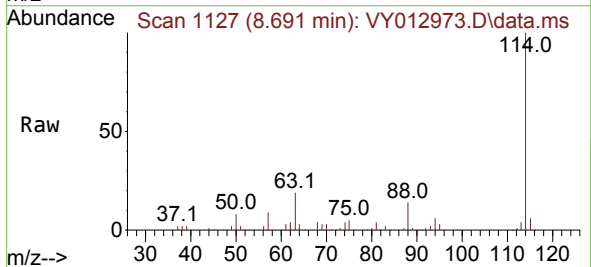
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

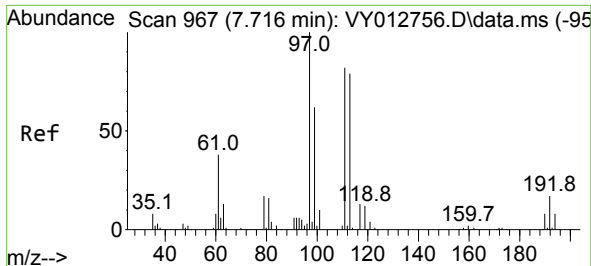
Tgt Ion: 65 Resp: 55719
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY012973.D
 Acq: 16 Mar 2023 16:19

Tgt Ion: 114 Resp: 143064
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.4
 88 14.3 0.0 28.6

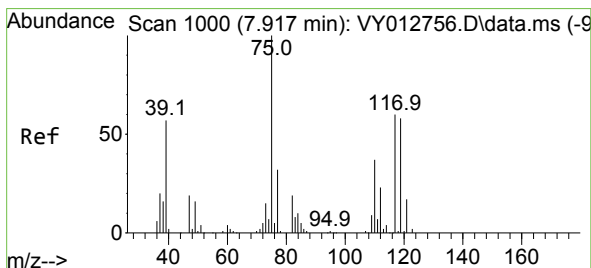
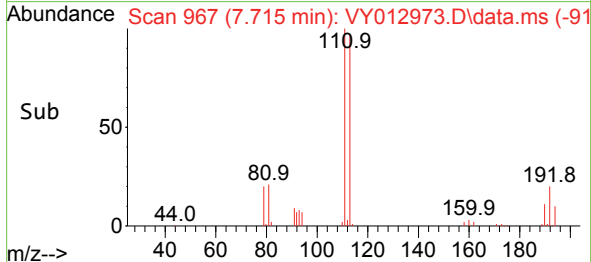
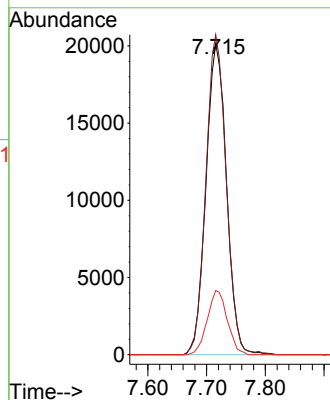
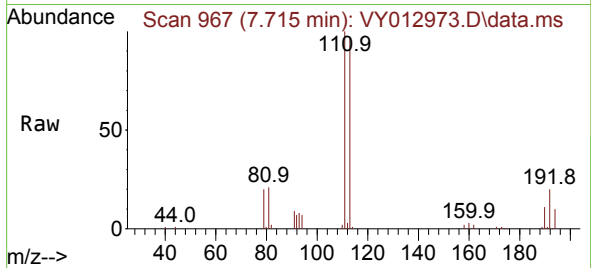




#35
Dibromofluoromethane
Concen: 56.609 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

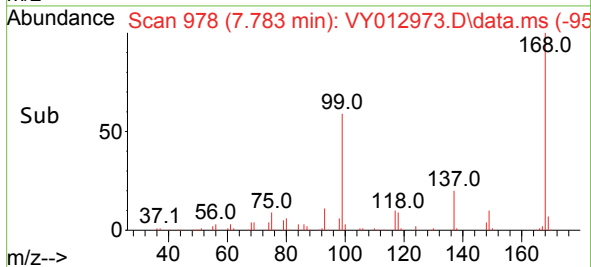
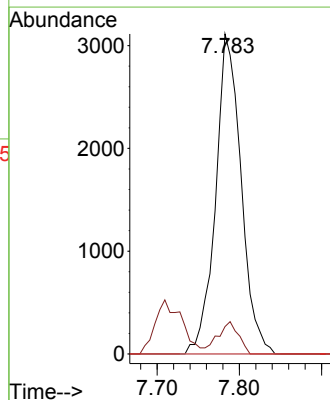
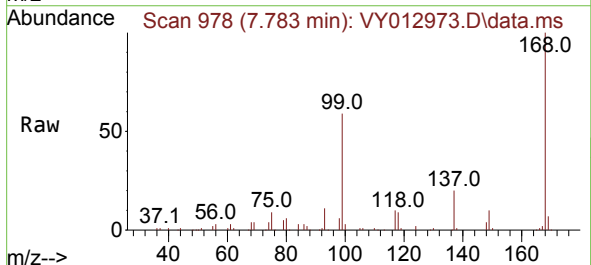
Instrument :
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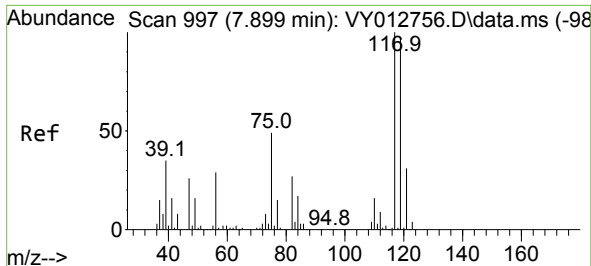
Tgt Ion:113 Resp: 48876
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 20.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.636 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

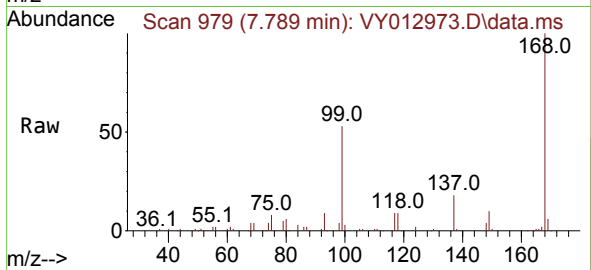
Tgt Ion: 75 Resp: 6708
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 25.0 37.4#



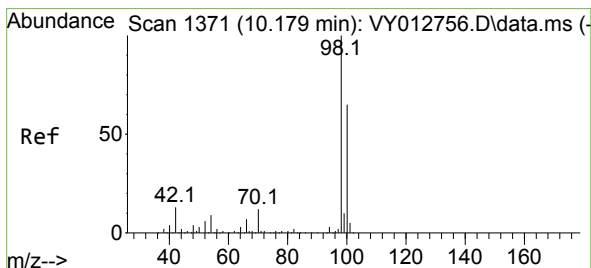
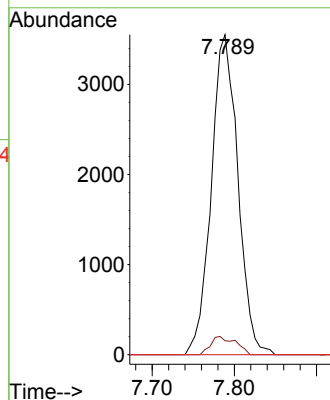
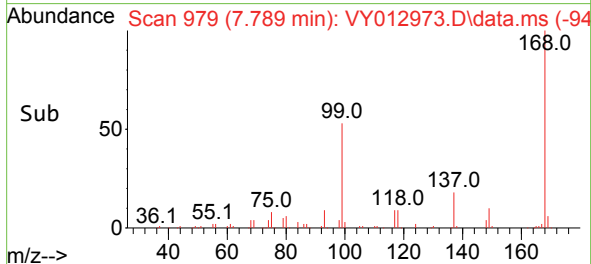


#38
Carbon Tetrachloride
Concen: 5.342 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

Instrument :
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ClientSampleId :
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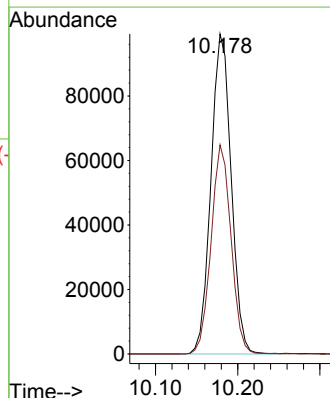
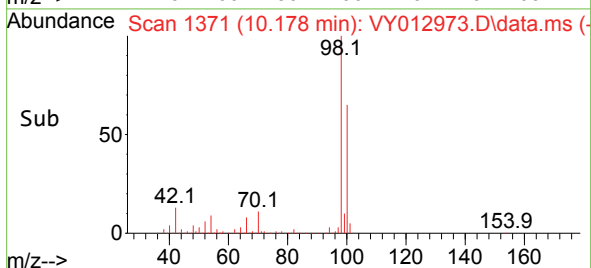
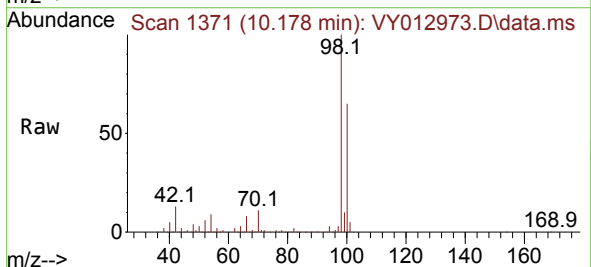


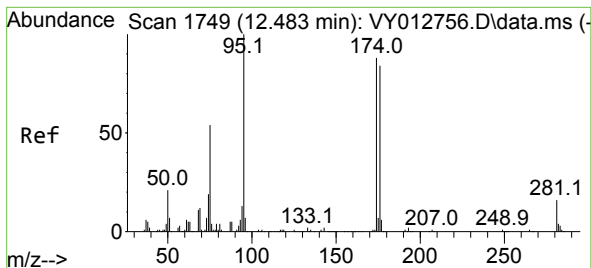
Tgt Ion:117 Resp: 7982
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.698 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

Tgt Ion: 98 Resp: 169491
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3

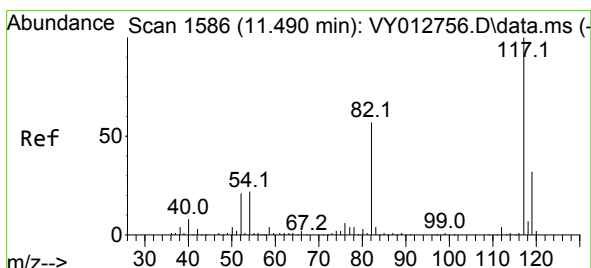
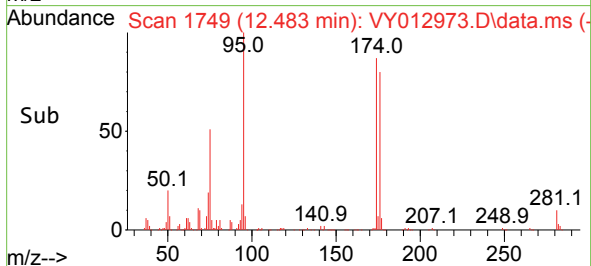
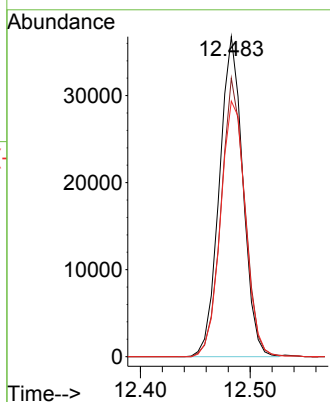
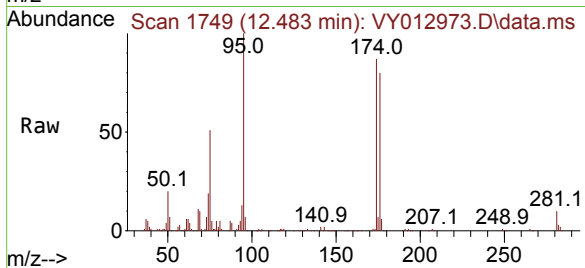




#62
4-Bromofluorobenzene
Concen: 51.428 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

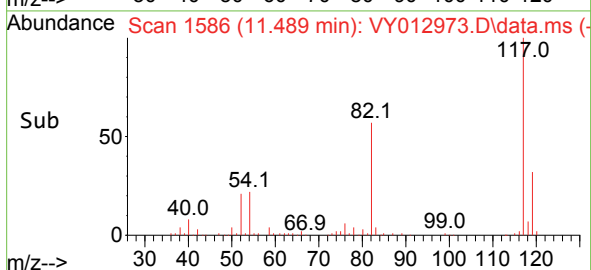
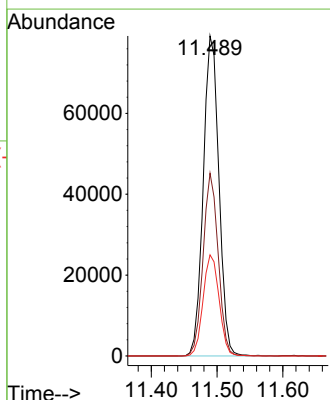
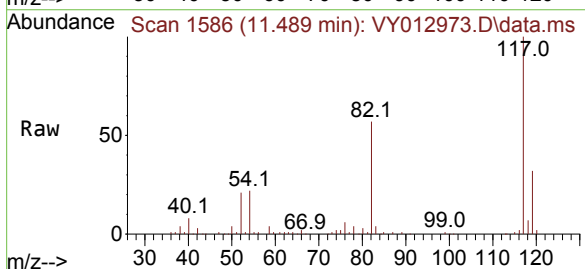
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

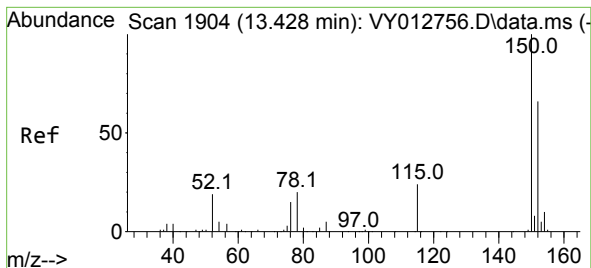
Tgt Ion: 95 Resp: 54789
Ion Ratio Lower Upper
95 100
174 87.5 0.0 176.6
176 84.9 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012973.D
Acq: 16 Mar 2023 16:19

Tgt Ion: 117 Resp: 131247
Ion Ratio Lower Upper
117 100
82 57.1 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: VY012973.D

Acq: 16 Mar 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1

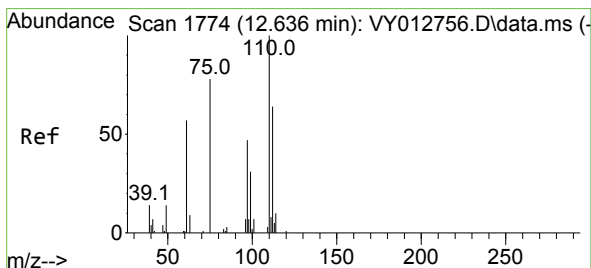
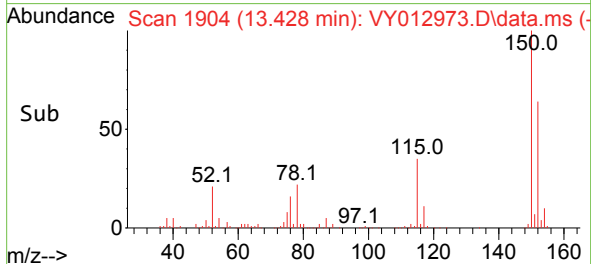
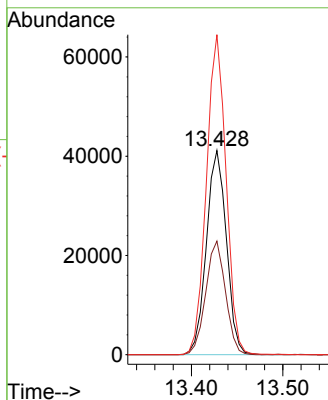
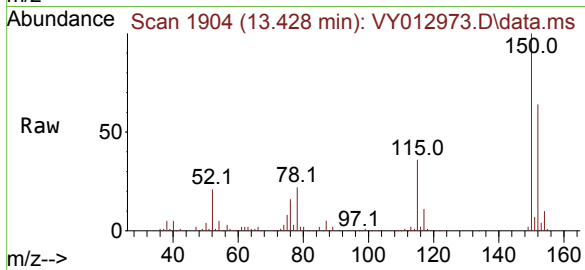
Tgt Ion:152 Resp: 62623

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.3

150 153.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 38.338 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY012973.D

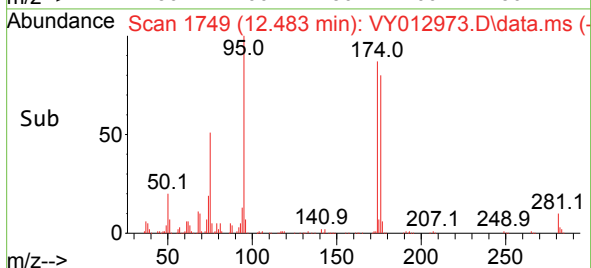
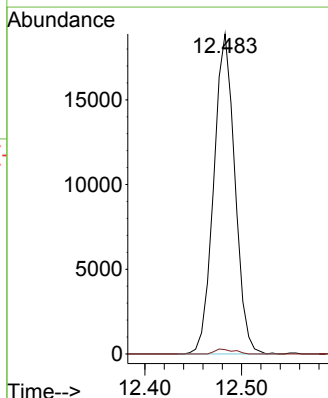
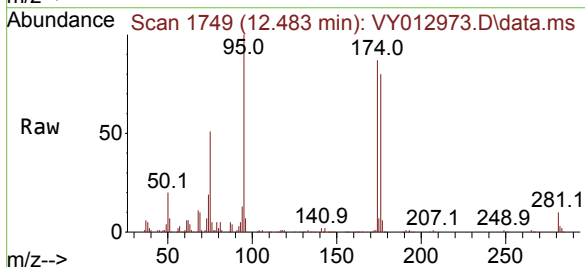
Acq: 16 Mar 2023 16:19

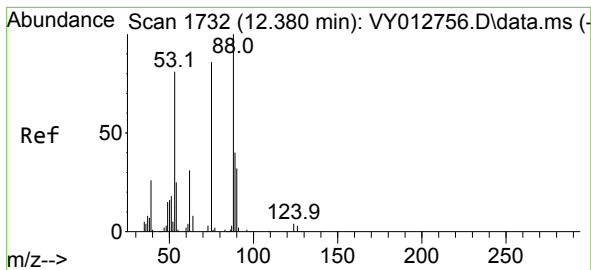
Tgt Ion: 75 Resp: 28670

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.438 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012973.D
 Acq: 16 Mar 2023 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Tgt Ion: 75 Resp: 28670
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.3 36.6 55.0#

