

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013759.D
 Acq On : 16 May 2023 15:05
 Operator : KP/MD
 Sample : 02774-04
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-N-1

Quant Time: May 17 07:47:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

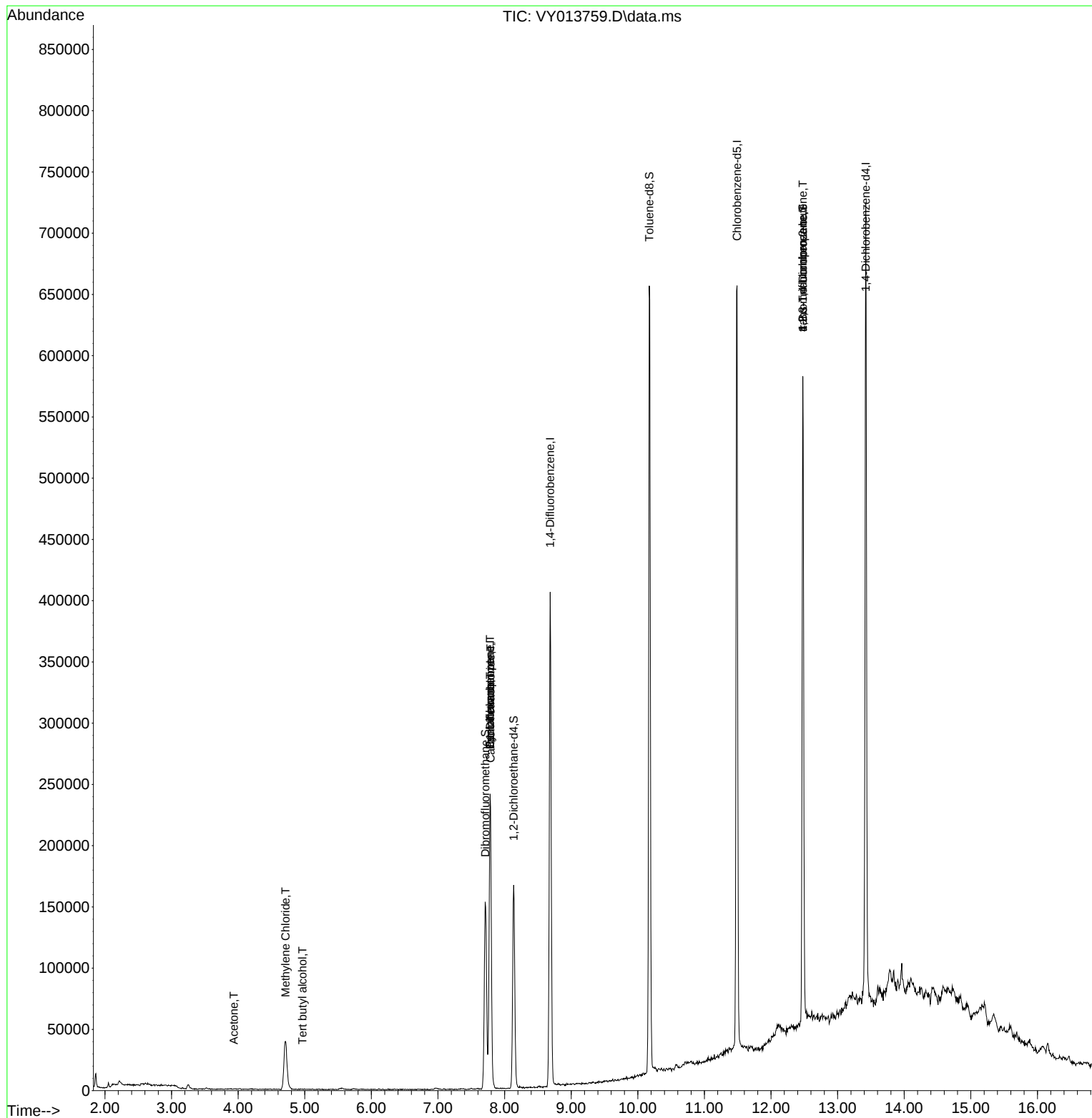
Internal Standards						
1) Pentafluorobenzene	7.783	168	182503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128687	64.323	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.640%	
35) Dibromofluoromethane	7.710	113	109864	53.339	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.680%	
50) Toluene-d8	10.173	98	417526	56.983	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.960%	
62) 4-Bromofluorobenzene	12.477	95	152361	61.680	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 123.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	230	1.668	ug/l #	17
13) Acrolein	3.771	56	22	Below Cal	#	16
16) Acetone	3.936	43	910	1.155	ug/l	90
20) Methylene Chloride	4.710	84	28394	4.073	ug/l #	84
31) Cyclohexane	7.783	56	4135	1.154	ug/l #	8
36) 1,1-Dichloropropene	7.783	75	14851	4.344	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17869	4.987	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	81671	39.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	81671	80.273	ug/l #	13

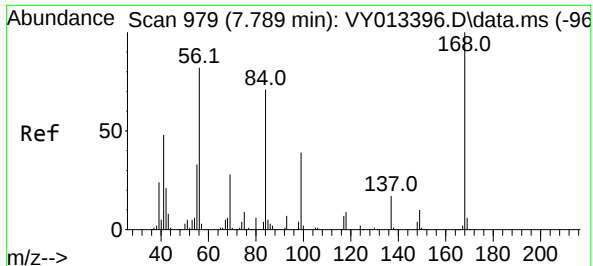
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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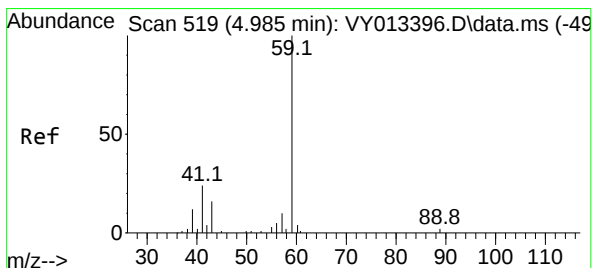
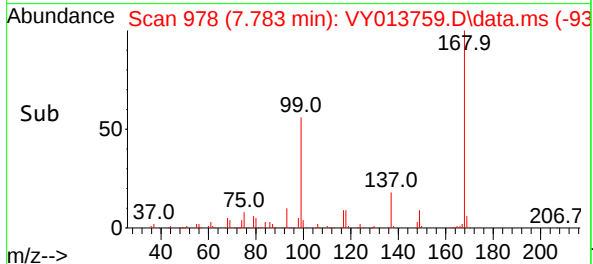
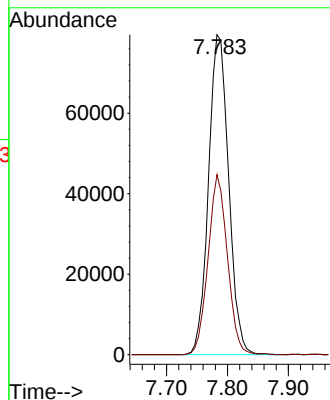
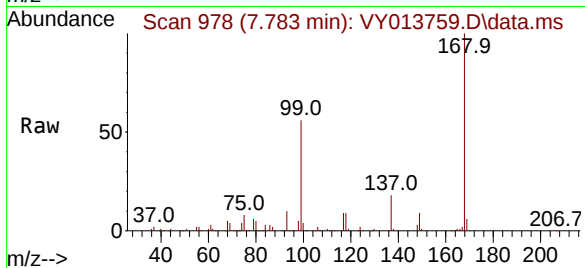




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

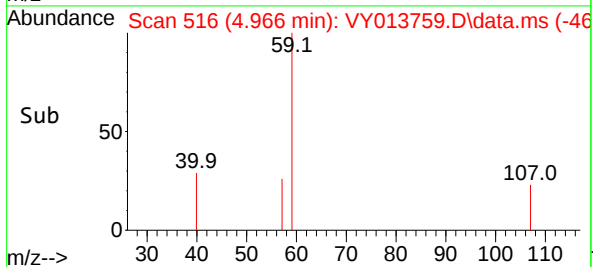
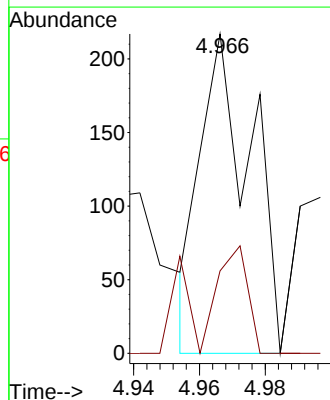
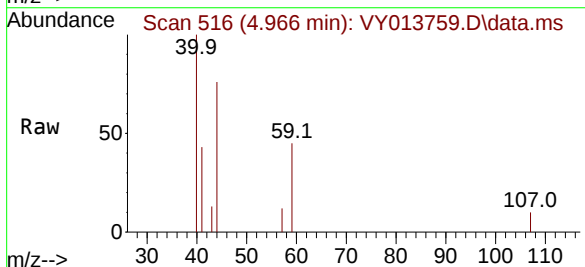
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-1

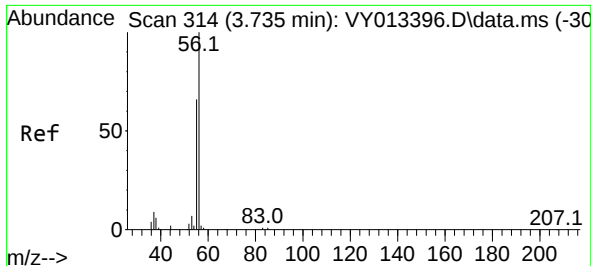
Tgt Ion:168 Resp: 182503
Ion Ratio Lower Upper
168 100
99 56.2 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.668 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 30.9 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.771 min Scan# 31

Delta R.T. 0.042 min

Lab File: VY013759.D

Acq: 16 May 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

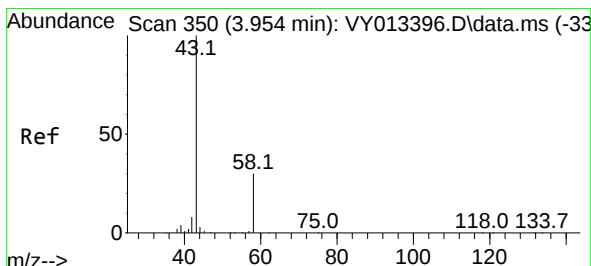
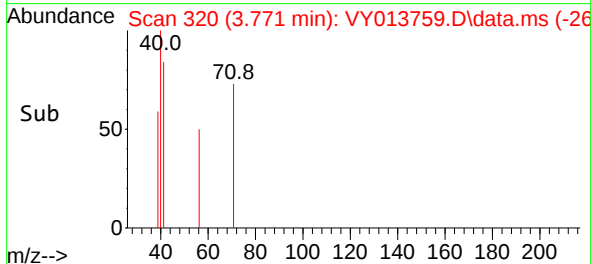
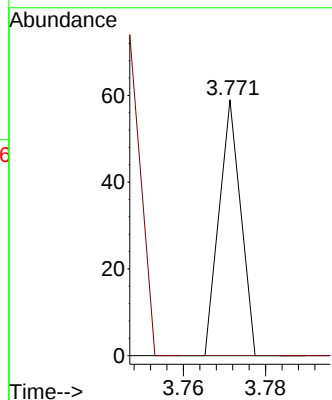
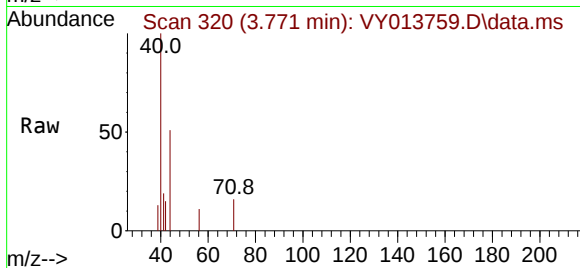
WC-N-1

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 1.155 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY013759.D

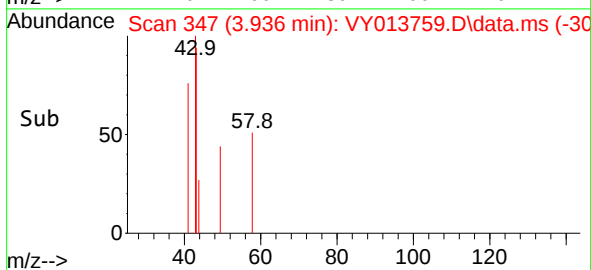
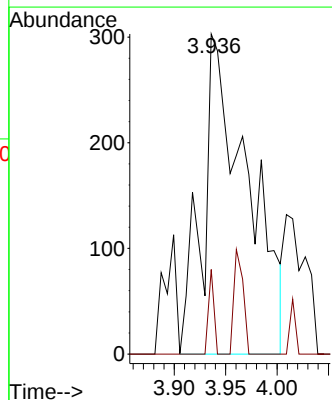
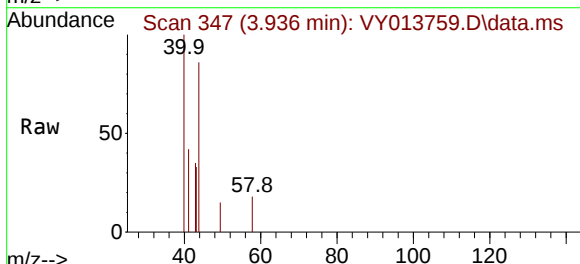
Acq: 16 May 2023 15:05

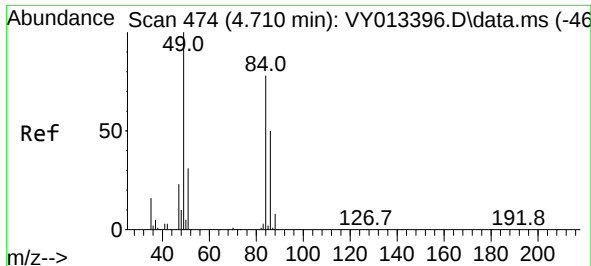
Tgt Ion: 43 Resp: 910

Ion Ratio Lower Upper

43 100

58 26.4 25.4 38.0

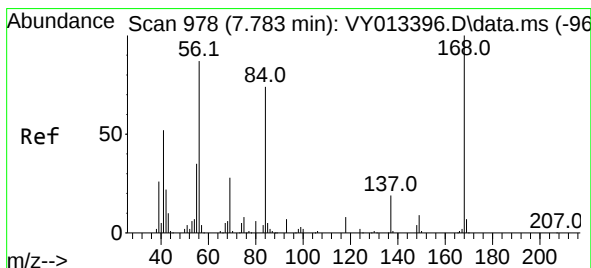
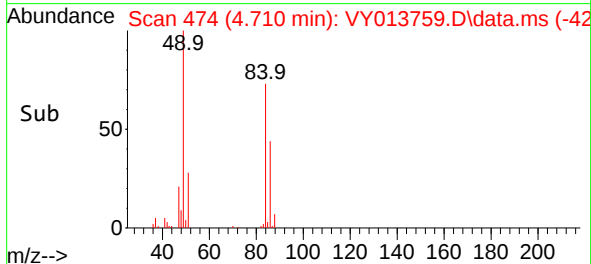
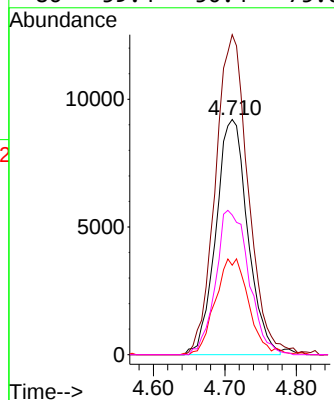
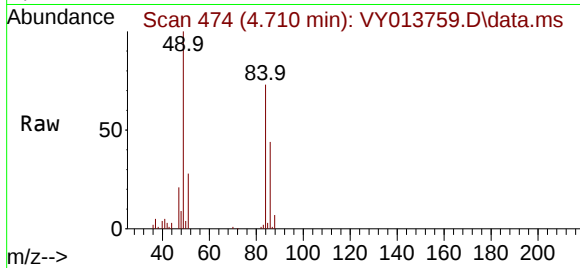




#20
Methylene Chloride
Concen: 4.073 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

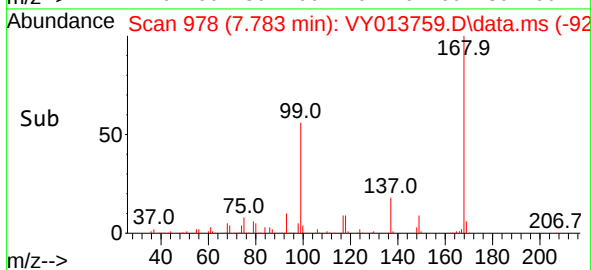
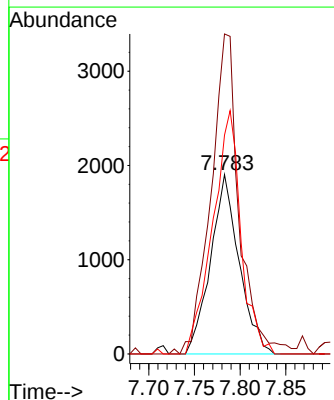
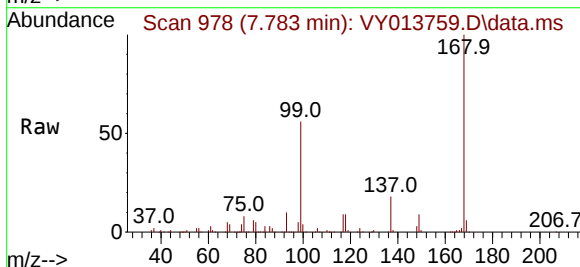
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-1

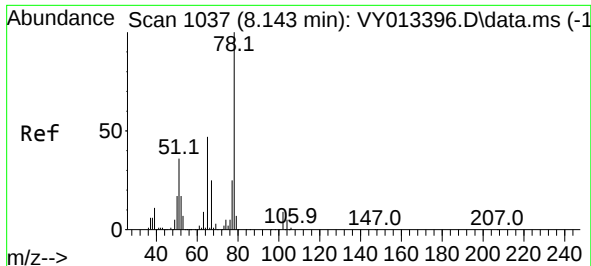
Tgt Ion:	84	Resp:	28394
Ion	Ratio	Lower	Upper
84	100		
49	136.1	88.0	132.0#
51	38.1	27.4	41.0
86	59.4	50.4	75.6



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

Tgt Ion:	56	Resp:	4135
Ion	Ratio	Lower	Upper
56	100		
69	178.4	29.2	43.8#
84	122.1	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 64.323 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY013759.D

Acq: 16 May 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

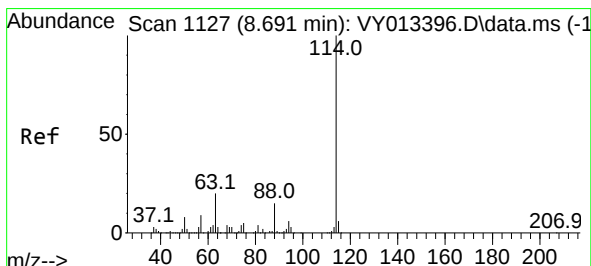
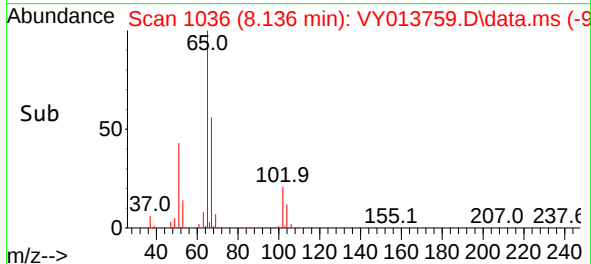
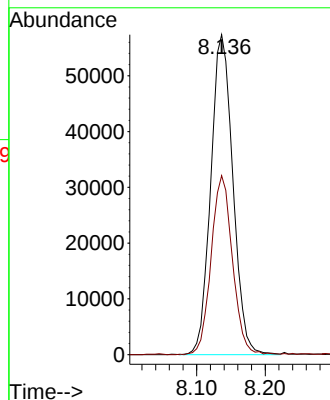
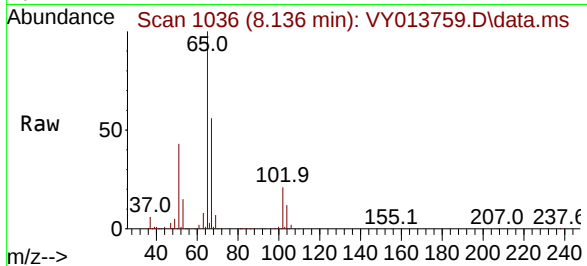
WC-N-1

Tgt Ion: 65 Resp: 128687

Ion Ratio Lower Upper

65 100

67 54.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013759.D

Acq: 16 May 2023 15:05

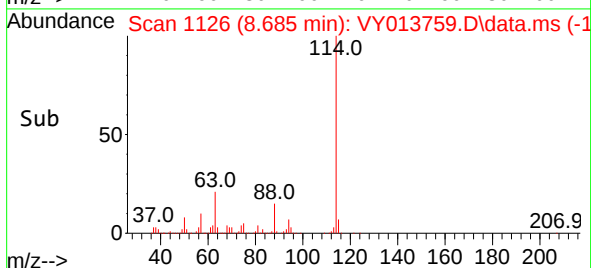
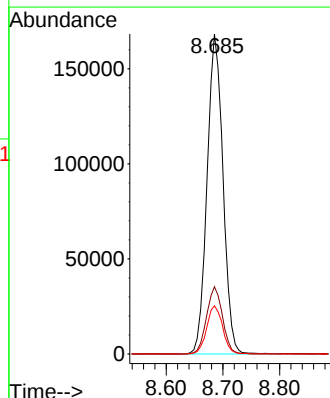
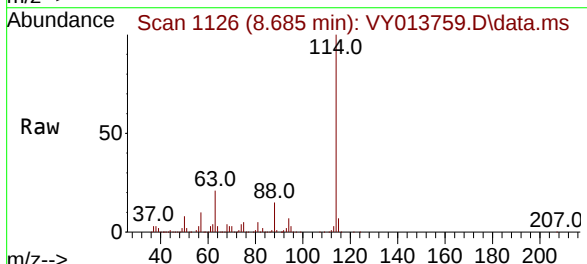
Tgt Ion: 114 Resp: 327482

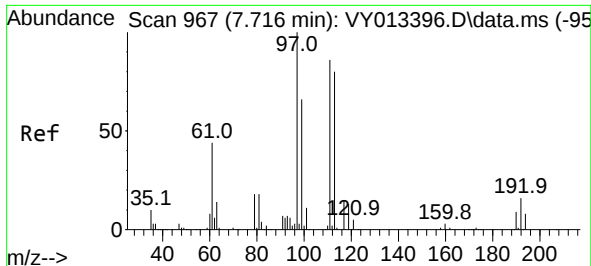
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.6

88 15.1 0.0 28.8

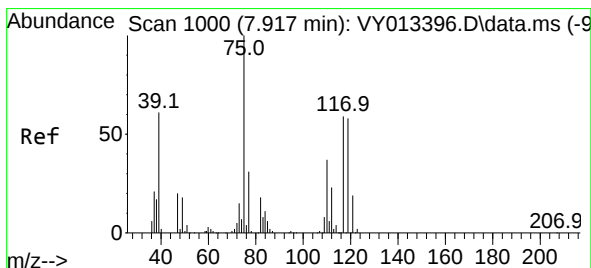
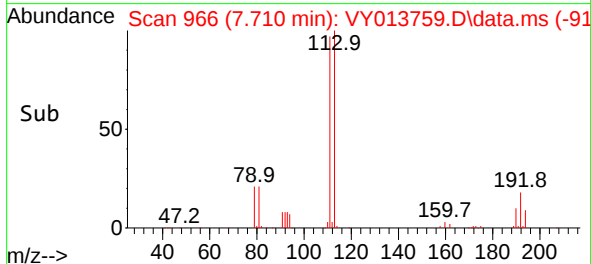
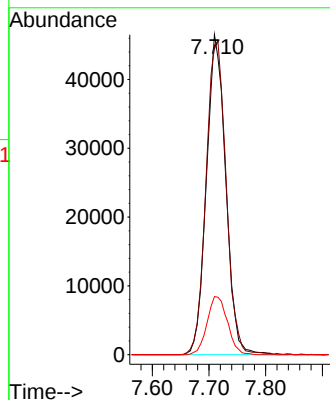
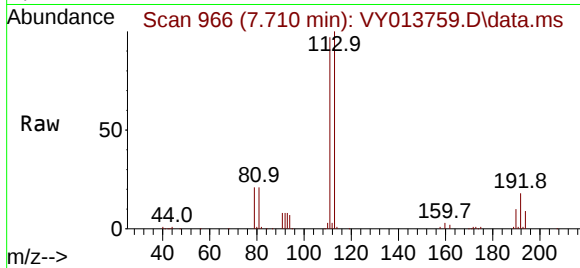




#35
Dibromofluoromethane
Concen: 53.339 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

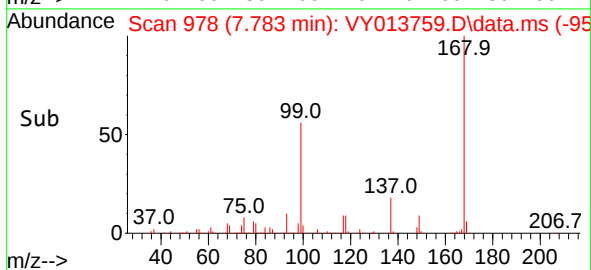
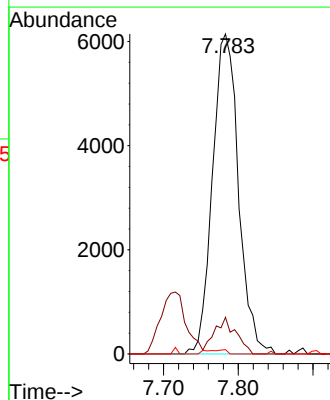
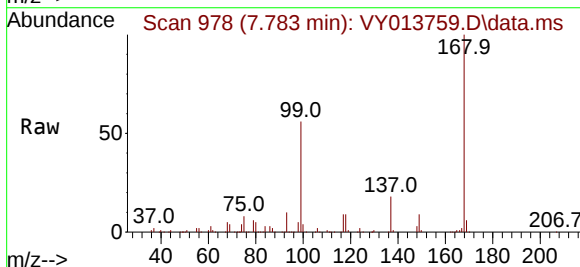
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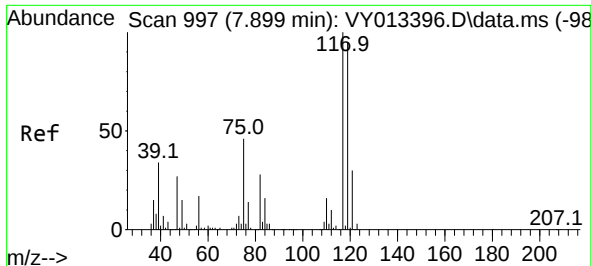
Tgt Ion:113 Resp: 109864
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 19.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

Tgt Ion: 75 Resp: 14851
Ion Ratio Lower Upper
75 100
110 9.5 18.7 56.1#
77 1.0 24.6 37.0#

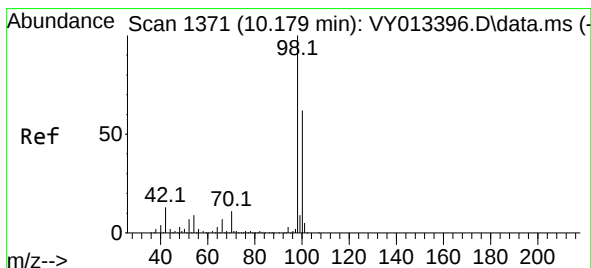
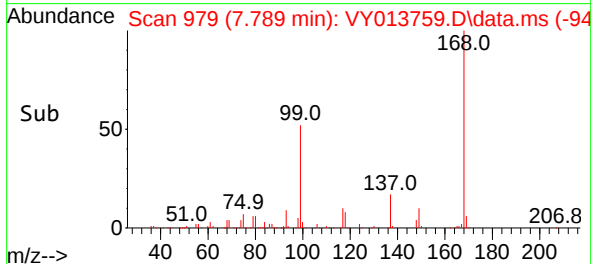
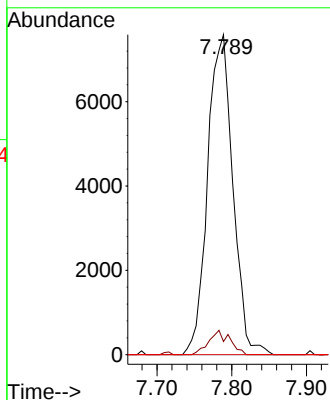
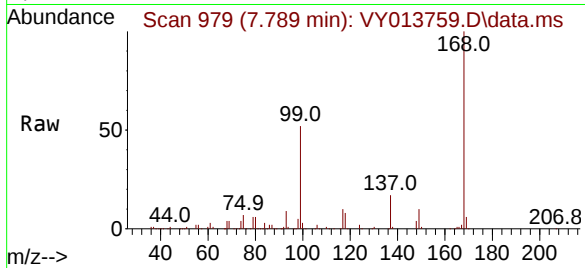




#38
Carbon Tetrachloride
Concen: 4.987 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

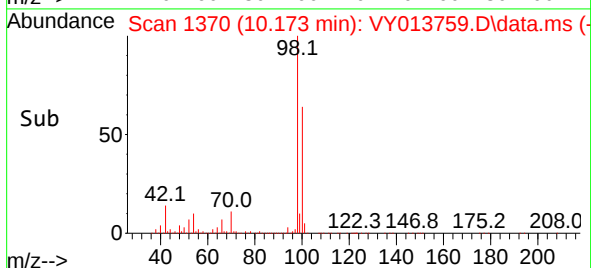
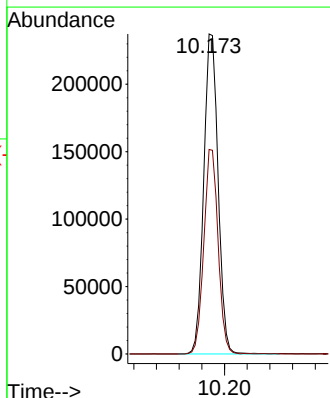
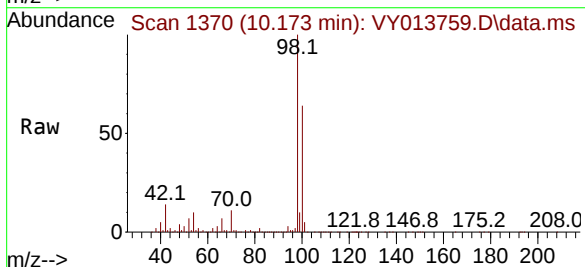
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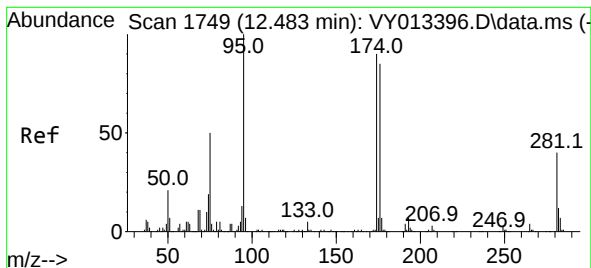
Tgt Ion:117 Resp: 17869
Ion Ratio Lower Upper
117 100
119 4.1 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 56.983 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

Tgt Ion: 98 Resp: 417526
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7

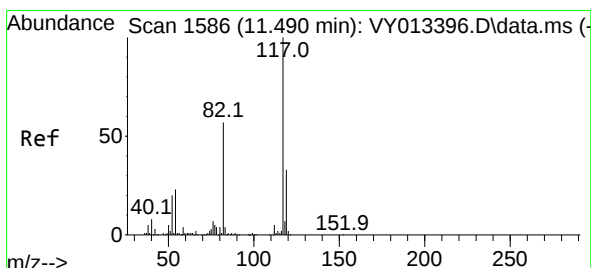
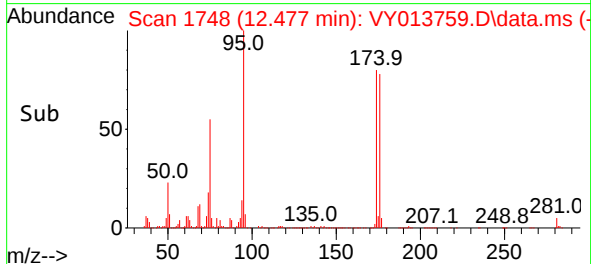
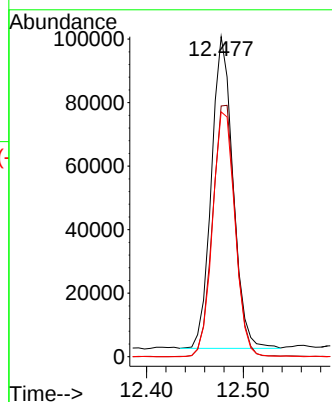
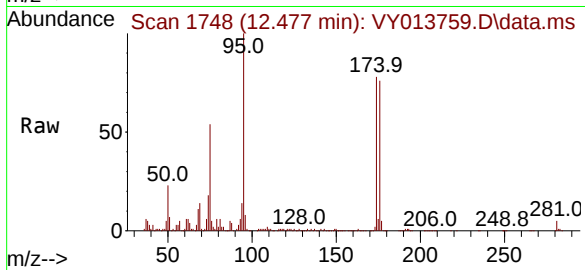




#62
4-Bromofluorobenzene
Concen: 61.680 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

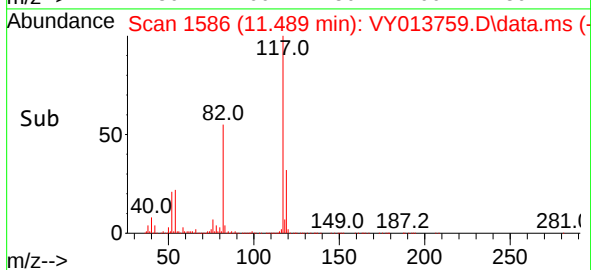
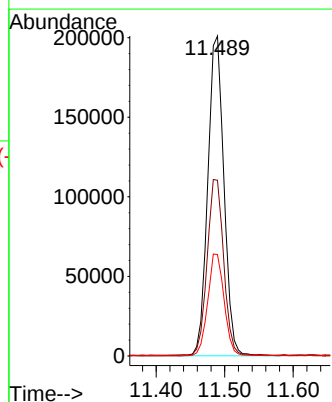
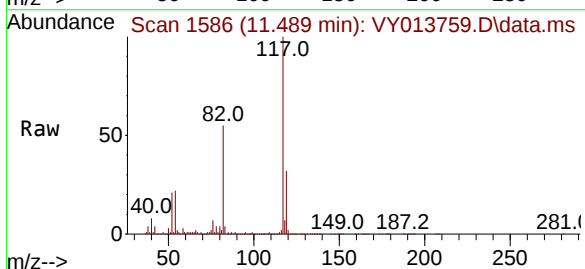
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-1

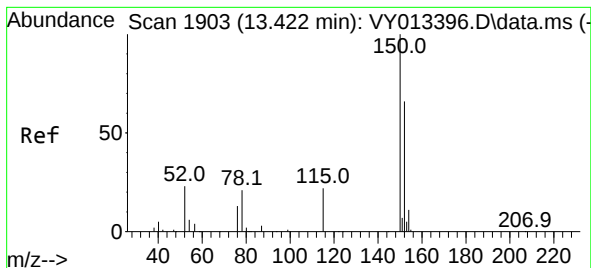
Tgt Ion: 95 Resp: 152361
Ion Ratio Lower Upper
95 100
174 84.8 0.0 182.0
176 81.6 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013759.D
Acq: 16 May 2023 15:05

Tgt Ion: 117 Resp: 329938
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.6
119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013759.D

Acq: 16 May 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

WC-N-1

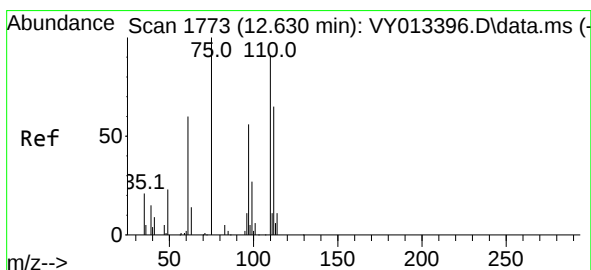
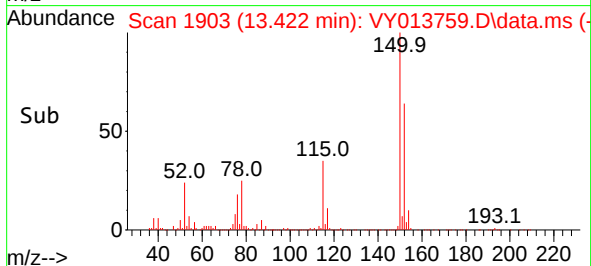
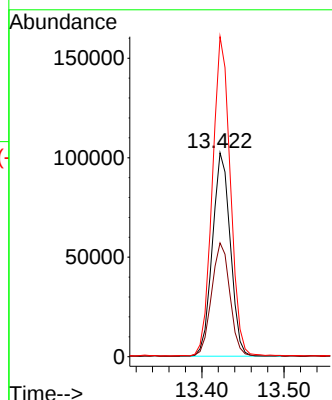
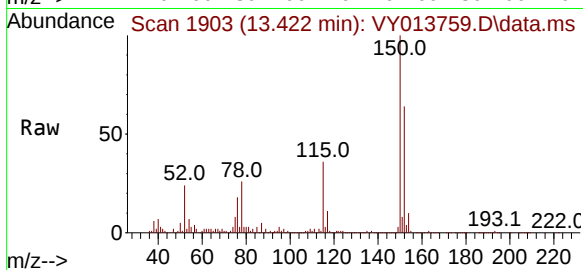
Tgt Ion:152 Resp: 154319

Ion Ratio Lower Upper

152 100

115 57.1 28.1 84.2

150 157.6 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 39.243 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013759.D

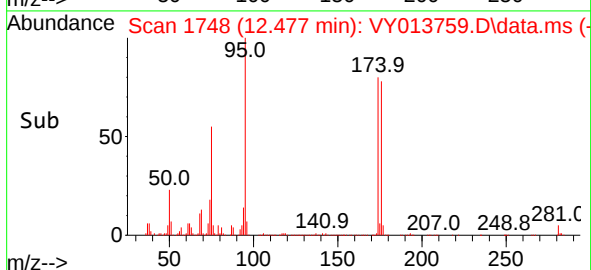
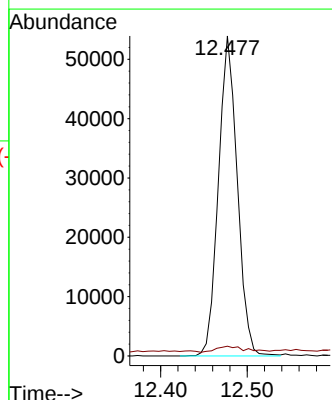
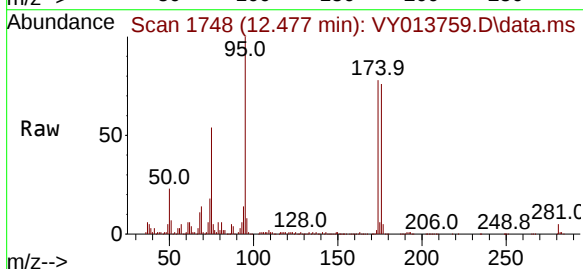
Acq: 16 May 2023 15:05

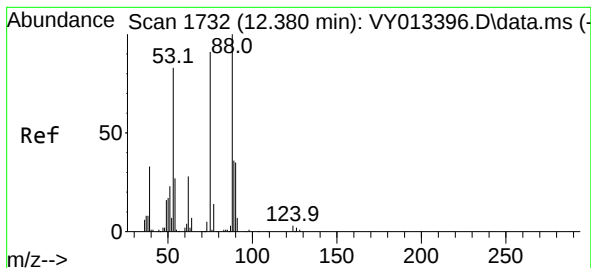
Tgt Ion: 75 Resp: 81671

Ion Ratio Lower Upper

75 100

77 2.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.273 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013759.D
 Acq: 16 May 2023 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-N-1

Tgt Ion: 75 Resp: 81671
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.1 38.0 57.0#

