

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019056.D
 Acq On : 14 Aug 2024 14:12
 Operator : SY/MD
 Sample : P3580-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:46:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

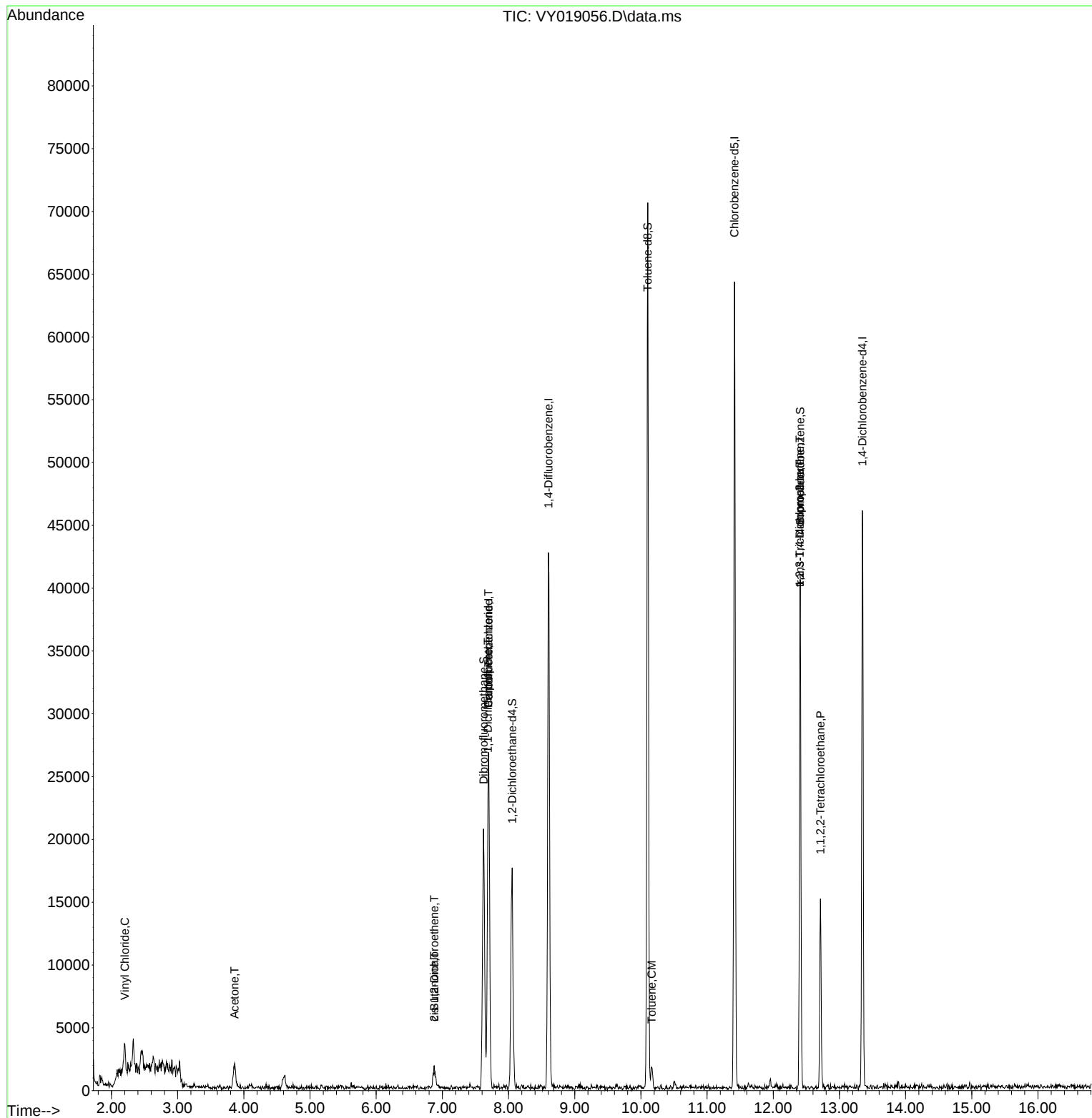
Internal Standards						
1) Pentafluorobenzene	7.695	168	22408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	36591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	31191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	10449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	11193	56.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.780%	
35) Dibromofluoromethane	7.622	113	11929	51.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.080%	
50) Toluene-d8	10.103	98	41680	46.432	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.860%	
62) 4-Bromofluorobenzene	12.407	95	9905	37.192	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 74.380%	
Target Compounds						Qvalue
3) Chloromethane	2.123	50	90	Below Cal	#	43
4) Vinyl Chloride	2.202	62	1878	3.638	ug/l #	87
11) Tert butyl alcohol	4.787	59	44	Below Cal	#	88
13) Acrolein	3.641	56	19	Below Cal	#	15
16) Acetone	3.860	43	3322	75.374	ug/l	92
20) Methylene Chloride	4.592	84	430	Below Cal	#	62
25) 2-Butanone	6.878	43	1194	18.744	ug/l	90
27) cis-1,2-Dichloroethene	6.878	96	413	1.537	ug/l	80
31) Cyclohexane	7.689	56	579	Below Cal	#	47
36) 1,1-Dichloropropene	7.689	75	1541	4.912	ug/l #	41
38) Carbon Tetrachloride	7.695	117	1892	5.260	ug/l #	21
41) Methacrylonitrile	7.299	41	19	Below Cal	#	15
52) Toluene	10.164	92	864	1.394	ug/l	79
75) 1,1,2,2-Tetrachloroethane	12.712	83	311	2.541	ug/l #	26
76) 1,2,3-Trichloropropane	12.401	75	5714	73.404	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	5714	151.255	ug/l #	16

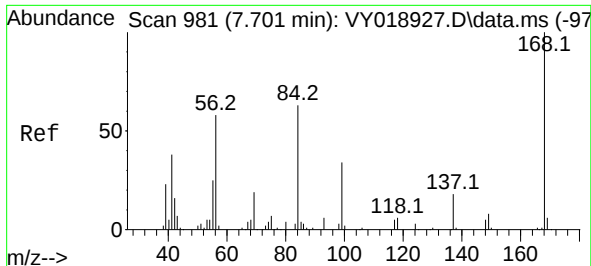
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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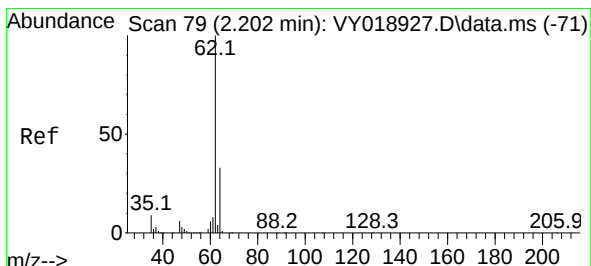
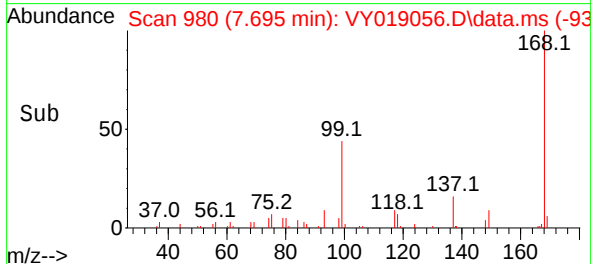
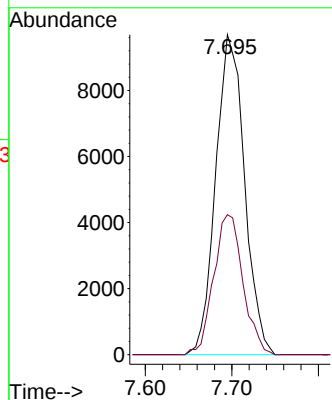
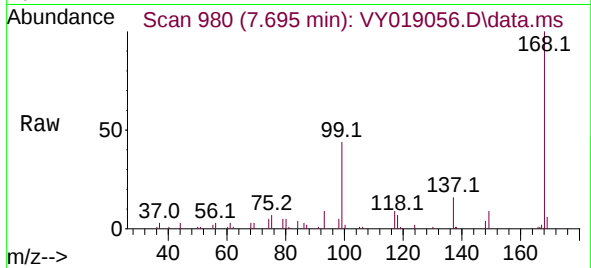




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

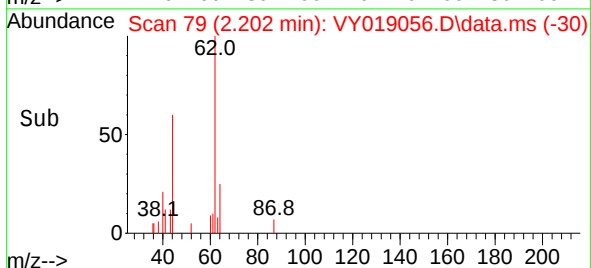
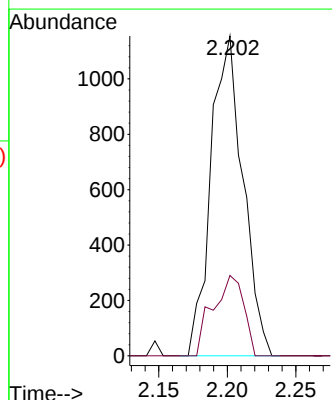
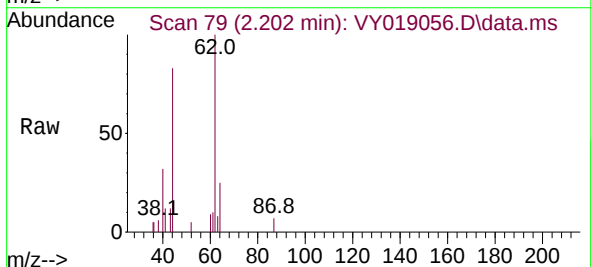
Instrument :
MSVOA_Y
ClientSampleId :

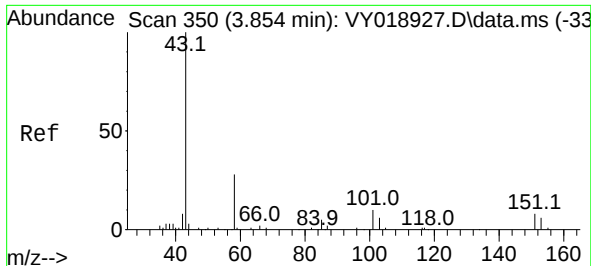
Tgt Ion:168 Resp: 22408
Ion Ratio Lower Upper
168 100
99 43.7 39.1 58.7



#4
Vinyl Chloride
Concen: 3.638 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

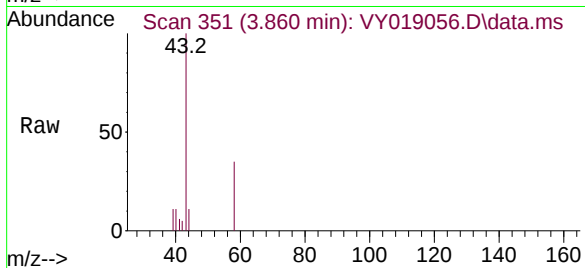
Tgt Ion: 62 Resp: 1878
Ion Ratio Lower Upper
62 100
64 25.1 26.1 39.1#



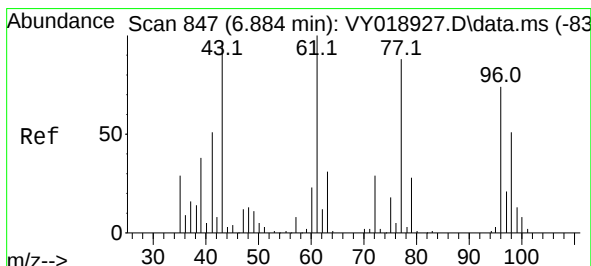
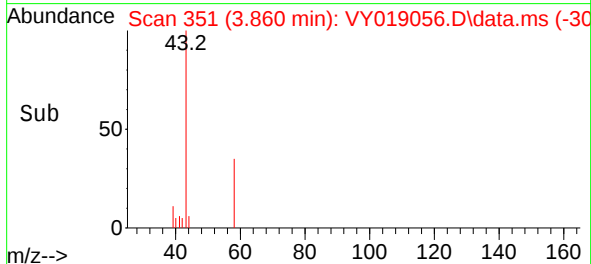
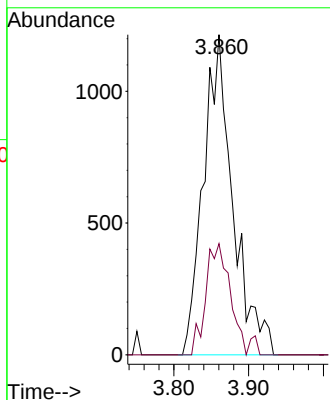


#16
Acetone
Concen: 75.374 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

Instrument :
MSVOA_Y
ClientSampleId :

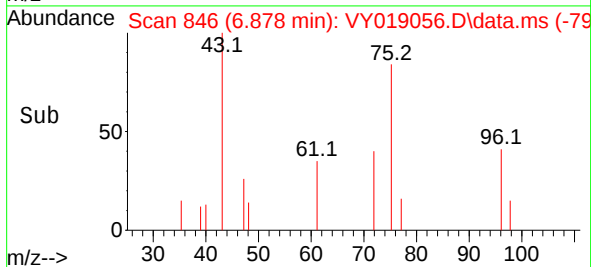
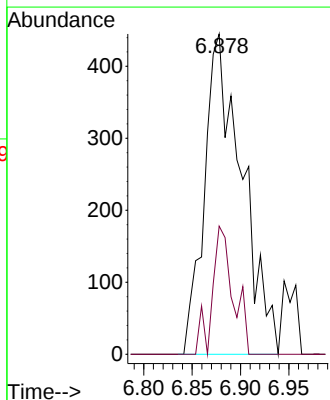
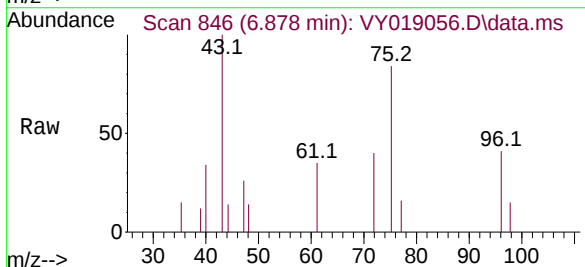


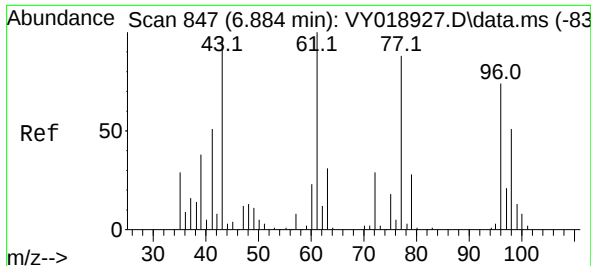
Tgt Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
58 34.7 31.7 47.5



#25
2-Butanone
Concen: 18.744 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
72 40.0 27.3 40.9

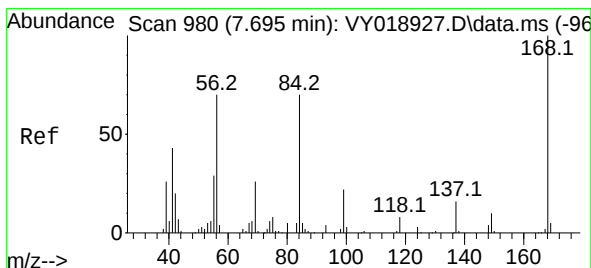
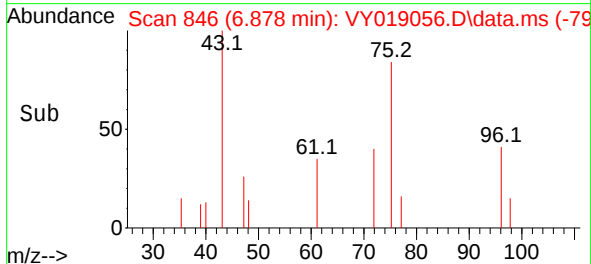
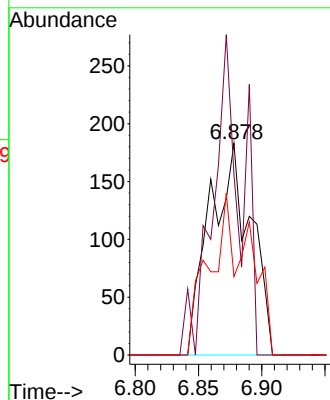
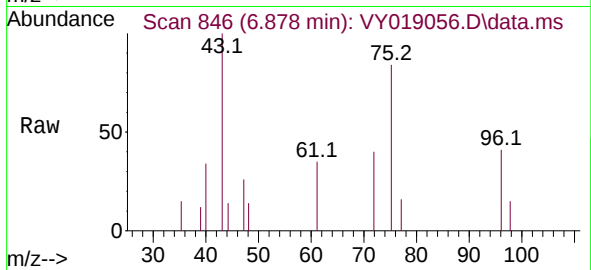




#27
cis-1,2-Dichloroethene
Concen: 1.537 ug/l
RT: 6.878 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

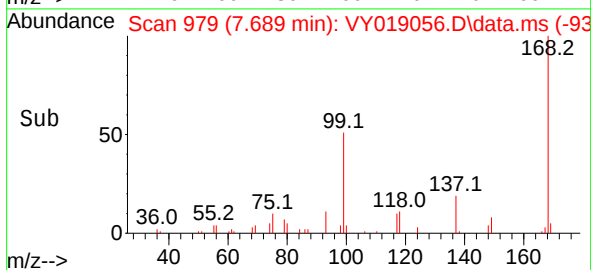
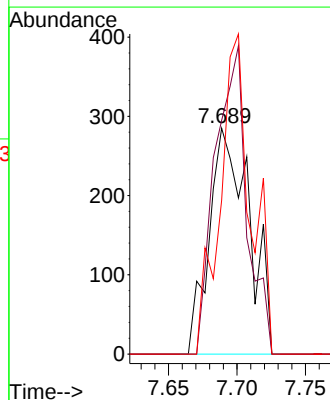
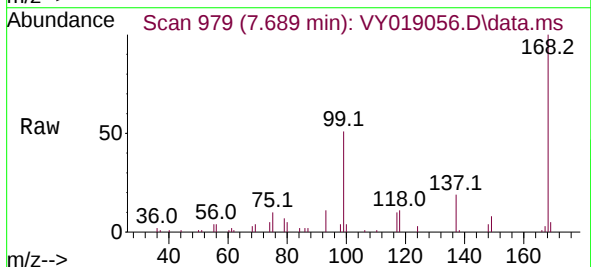
Instrument :
MSVOA_Y
ClientSampleId :

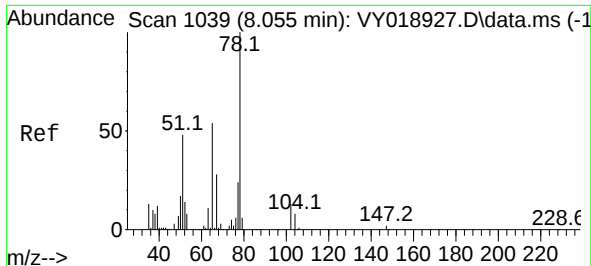
Tgt Ion: 96 Resp: 413
Ion Ratio Lower Upper
96 100
61 104.1 0.0 256.2
98 51.6 0.0 130.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

Tgt Ion: 56 Resp: 579
Ion Ratio Lower Upper
56 100
69 103.5 28.7 43.1#
84 68.1 77.7 116.5#

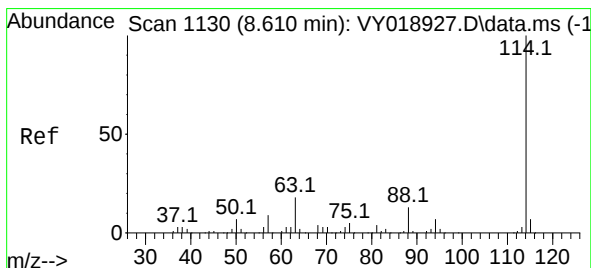
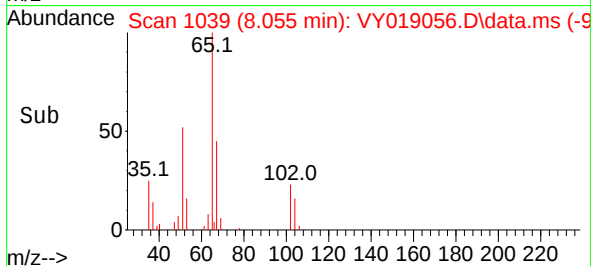
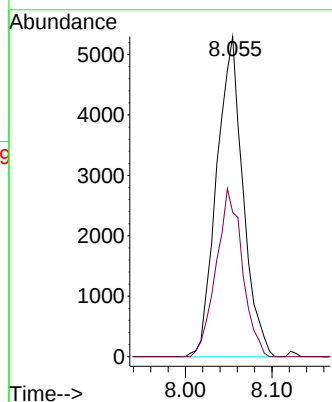
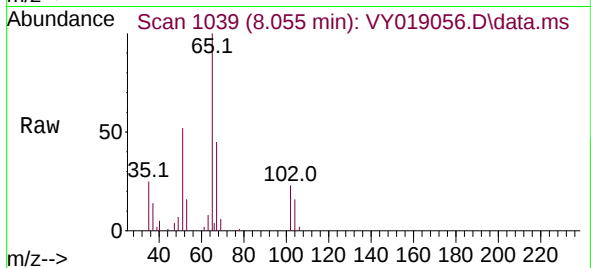




#33
1,2-Dichloroethane-d4
Concen: 56.892 ug/l
RT: 8.055 min Scan# 11193
Delta R.T. -0.000 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

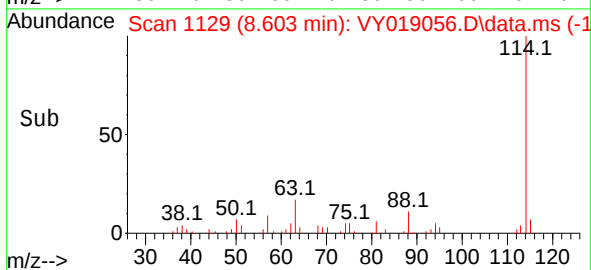
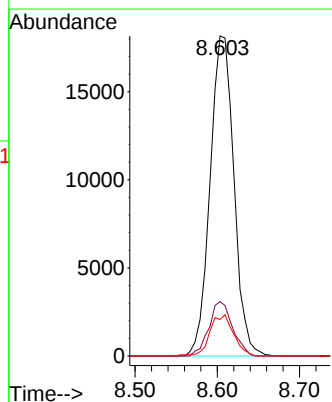
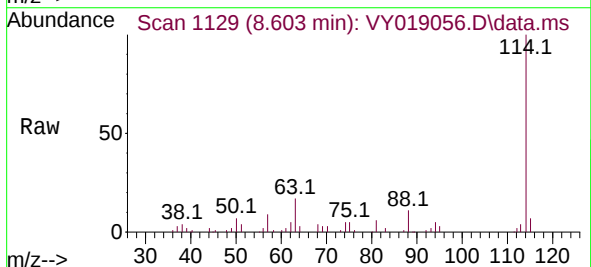
Instrument :
MSVOA_Y
ClientSampleId :

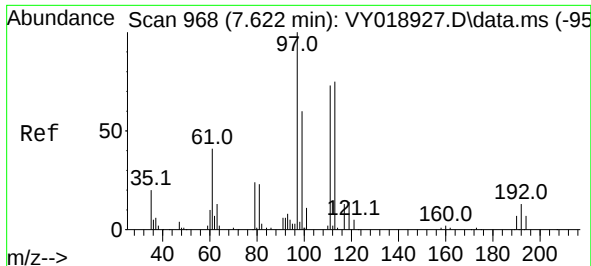
Tgt Ion: 65 Resp: 11193
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.603 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

Tgt Ion:114 Resp: 36591
Ion Ratio Lower Upper
114 100
63 17.0 0.0 35.0
88 11.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.044 ug/l

RT: 7.622 min Scan# 9

Delta R.T. -0.000 min

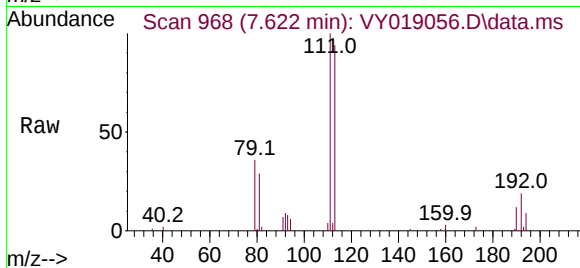
Lab File: VY019056.D

Acq: 14 Aug 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :



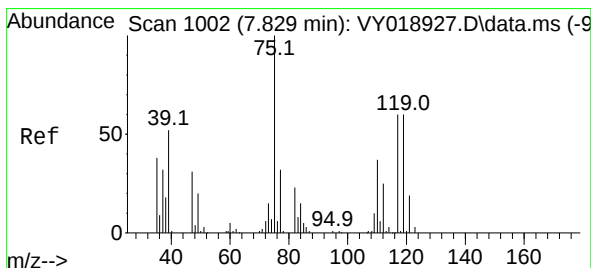
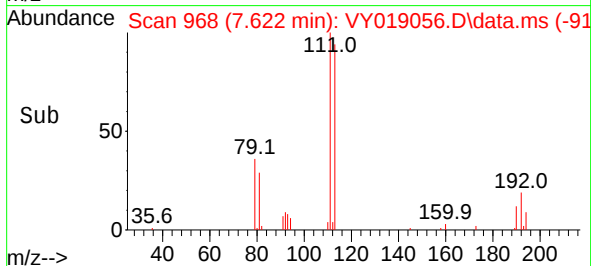
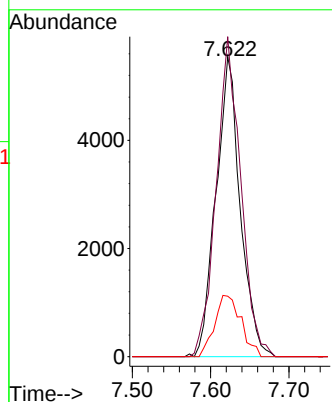
Tgt Ion:113 Resp: 11929

Ion Ratio Lower Upper

113 100

111 108.0 82.2 123.4

192 22.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 7.689 min Scan# 979

Delta R.T. -0.140 min

Lab File: VY019056.D

Acq: 14 Aug 2024 14:12

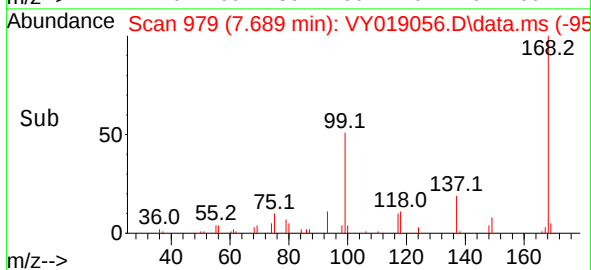
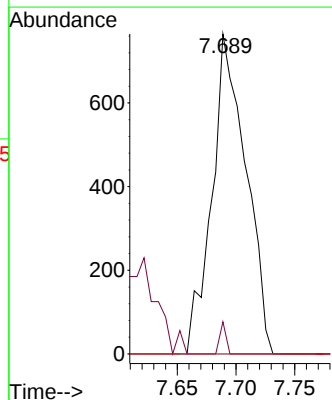
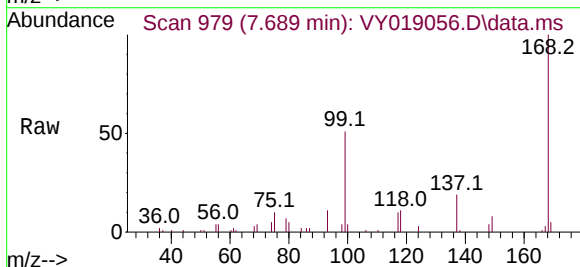
Tgt Ion: 75 Resp: 1541

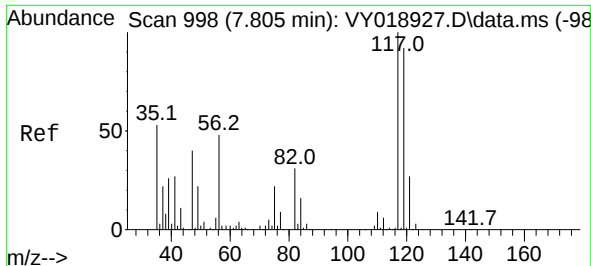
Ion Ratio Lower Upper

75 100

110 1.8 19.0 57.0#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.260 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.110 min

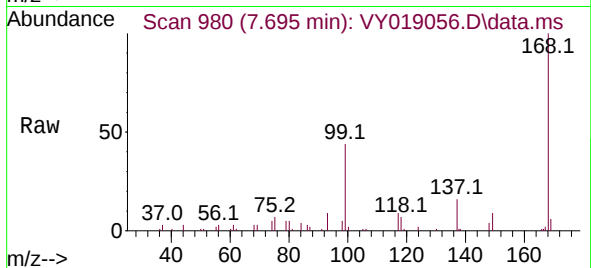
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Acq: 14 Aug 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :



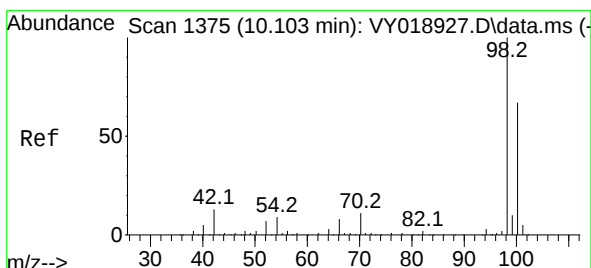
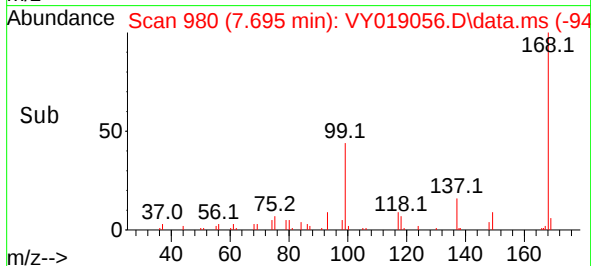
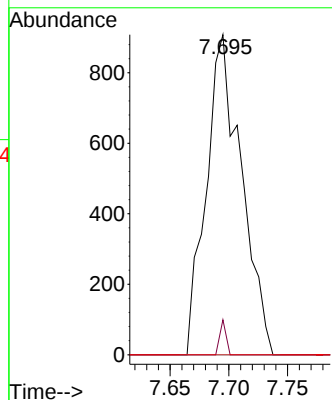
Tgt Ion:117 Resp: 1892

Ion Ratio Lower Upper

117 100

119 10.9 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 46.432 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY019056.D

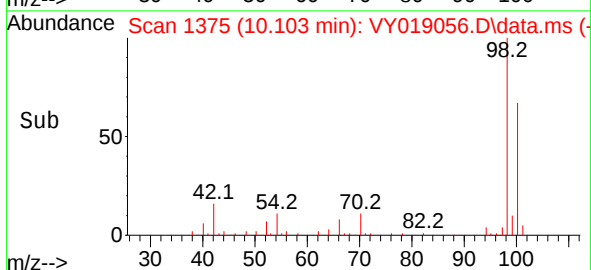
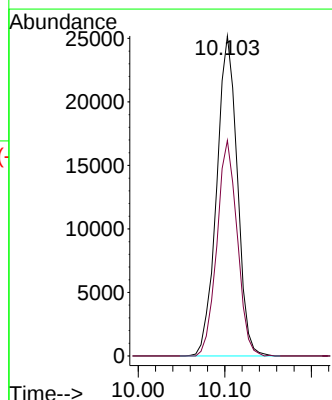
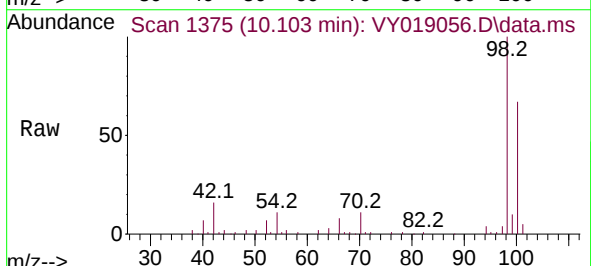
Acq: 14 Aug 2024 14:12

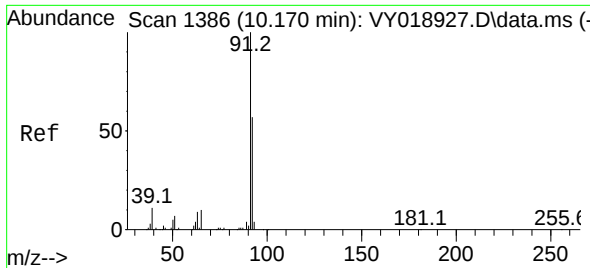
Tgt Ion: 98 Resp: 41680

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0

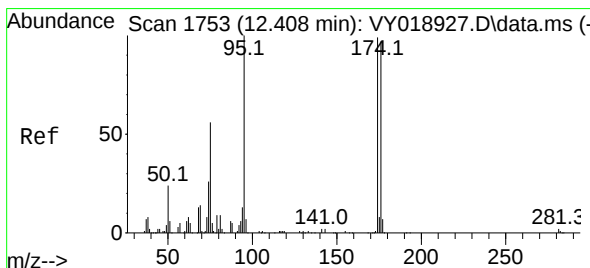
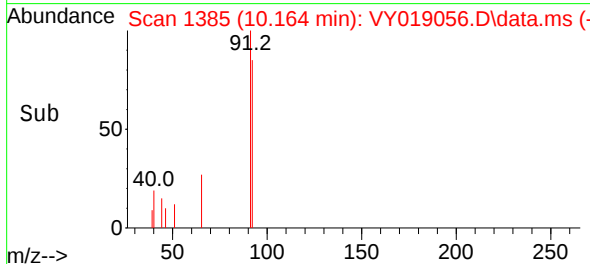
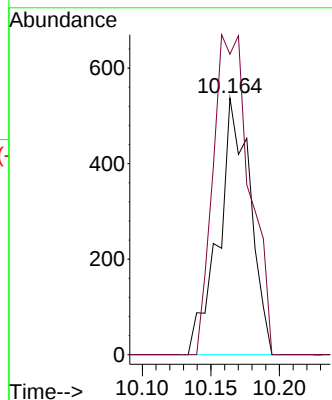
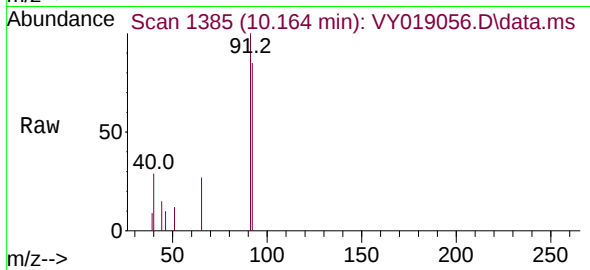




#52
Toluene
Concen: 1.394 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. -0.006 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

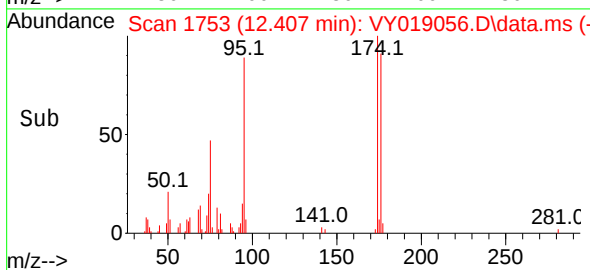
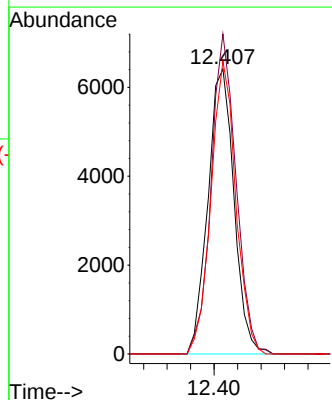
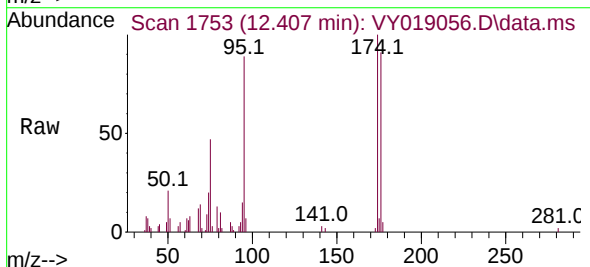
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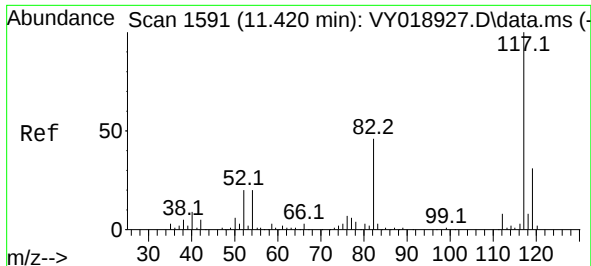
Tgt Ion: 92 Resp: 864
Ion Ratio Lower Upper
92 100
91 145.1 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 37.192 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.001 min
Lab File: VY019056.D
Acq: 14 Aug 2024 14:12

Tgt Ion: 95 Resp: 9905
Ion Ratio Lower Upper
95 100
174 107.2 0.0 175.6
176 97.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019056.D

Acq: 14 Aug 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :

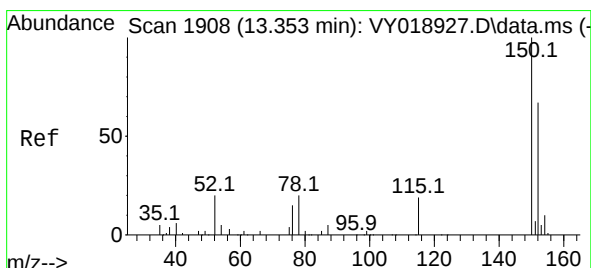
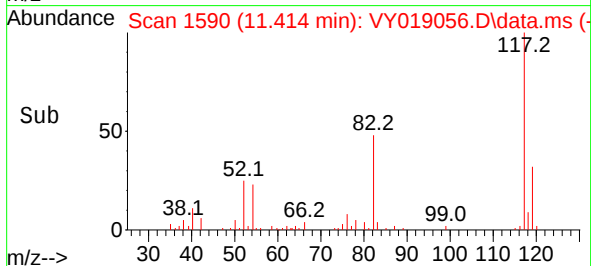
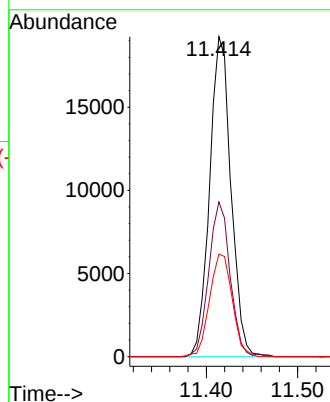
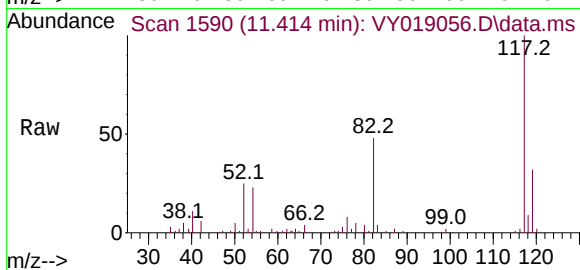
Tgt Ion:117 Resp: 31191

Ion Ratio Lower Upper

117 100

82 48.4 42.4 63.6

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019056.D

Acq: 14 Aug 2024 14:12

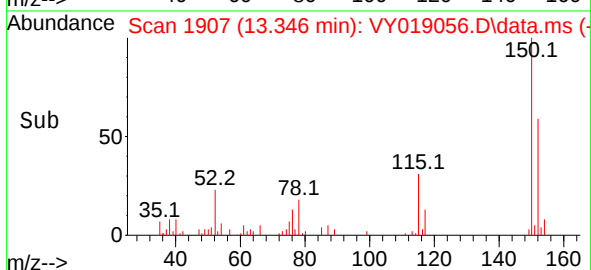
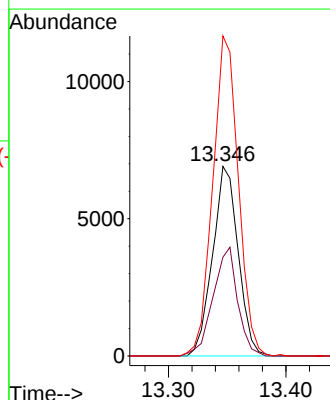
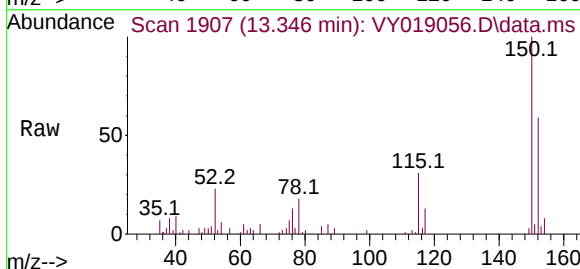
Tgt Ion:152 Resp: 10449

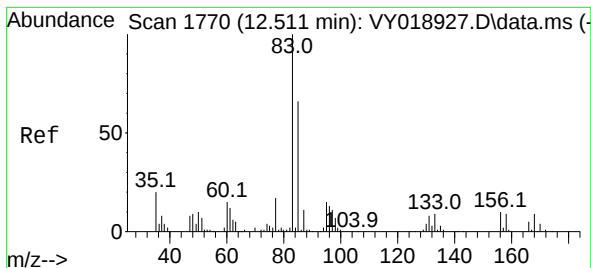
Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.7

150 168.8 0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.541 ug/l

RT: 12.712 min Scan# 1752

Delta R.T. 0.201 min

Lab File: VY019056.D

Acq: 14 Aug 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :

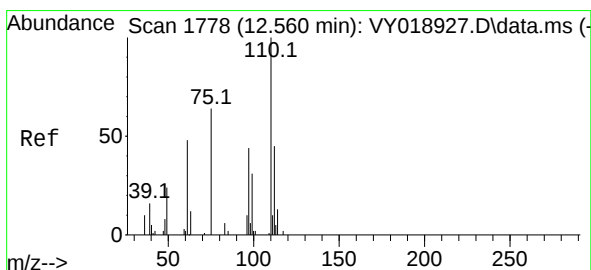
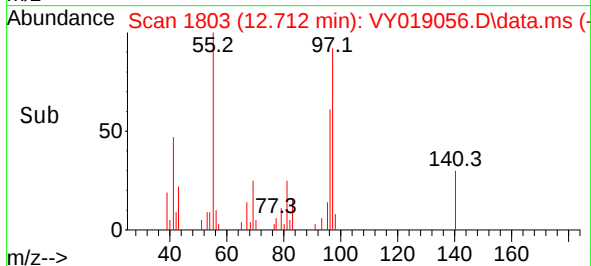
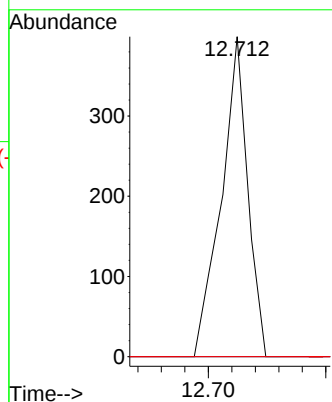
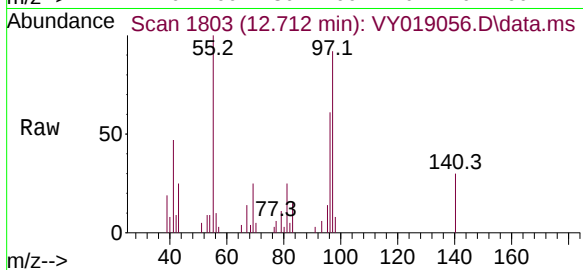
Tgt Ion: 83 Resp: 311

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 73.404 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY019056.D

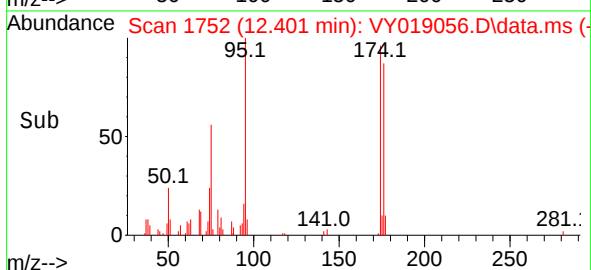
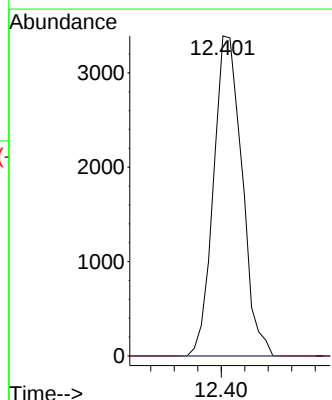
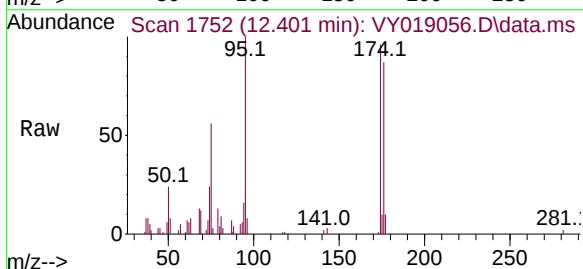
Acq: 14 Aug 2024 14:12

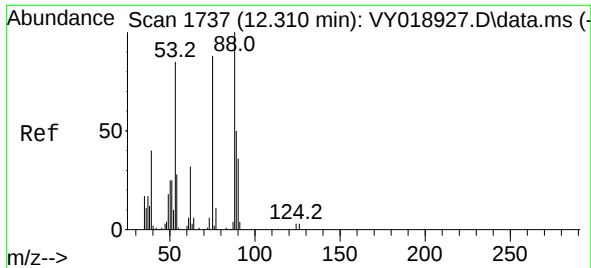
Tgt Ion: 75 Resp: 5714

Ion Ratio Lower Upper

75 100

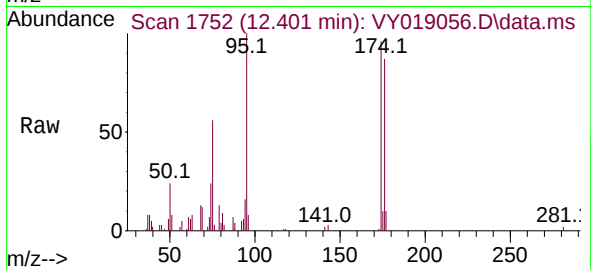
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.255 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.091 min
 Lab File: VY019056.D
 Acq: 14 Aug 2024 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 5714
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.4 35.8 53.6#

