

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016461.D
 Acq On : 22 Nov 2023 14:47
 Operator : SY/MD
 Sample : 05468-11
 Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:06:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

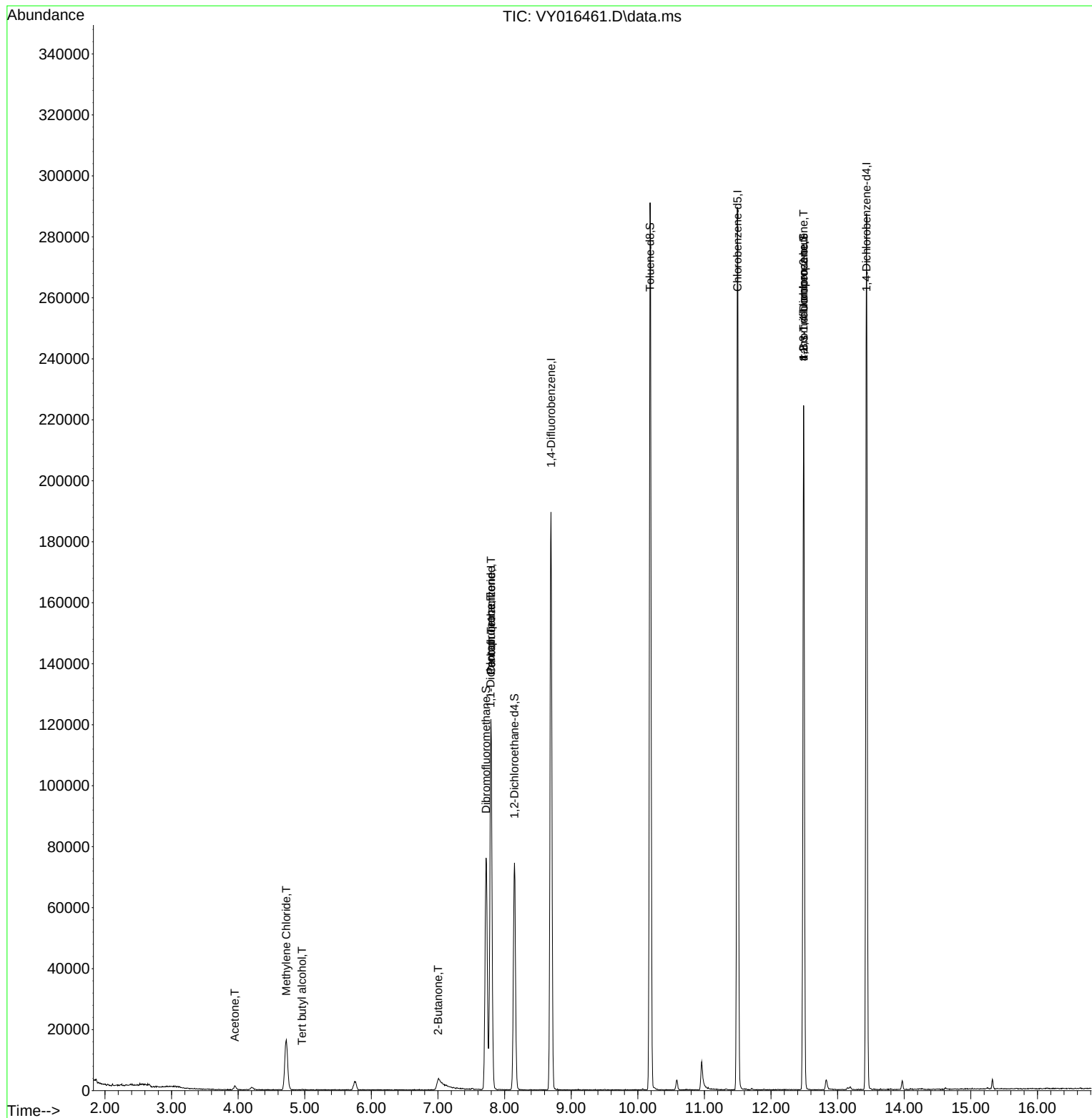
Internal Standards						
1) Pentafluorobenzene	7.795	168	97671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	171553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	167440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59388	66.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.060%			
35) Dibromofluoromethane	7.722	113	55263	56.707	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.420%			
50) Toluene-d8	10.185	98	201337	50.947	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.900%			
62) 4-Bromofluorobenzene	12.489	95	70357	54.815	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.640%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	180	2.575	ug/l #	89
16) Acetone	3.948	43	2257	15.285	ug/l #	79
20) Methylene Chloride	4.722	84	13632	10.305	ug/l #	83
25) 2-Butanone	7.002	43	518	2.003	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	6842	4.043	ug/l #	51
38) Carbon Tetrachloride	7.795	117	9439	5.375	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	35719	47.424	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	35719	102.937	ug/l #	10

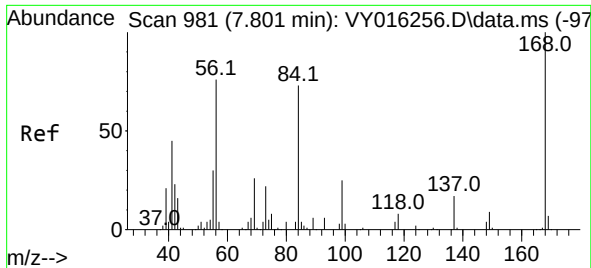
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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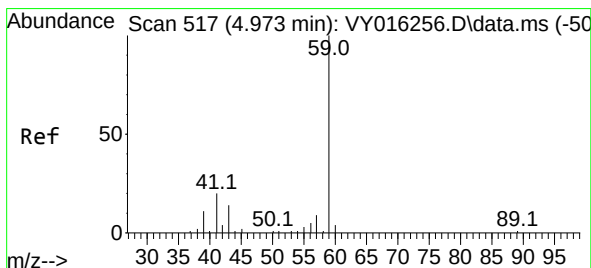
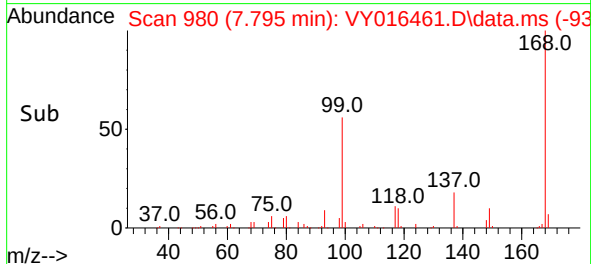
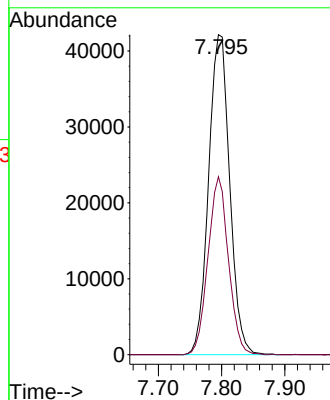
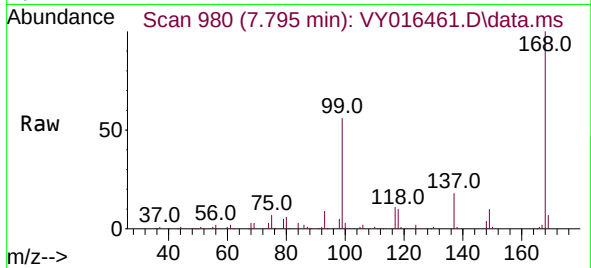




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016461.D
Acq: 22 Nov 2023 14:47

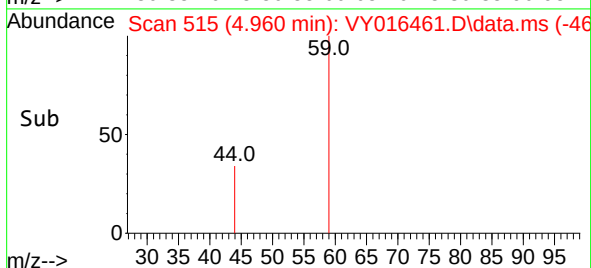
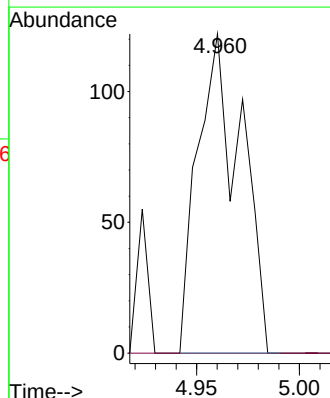
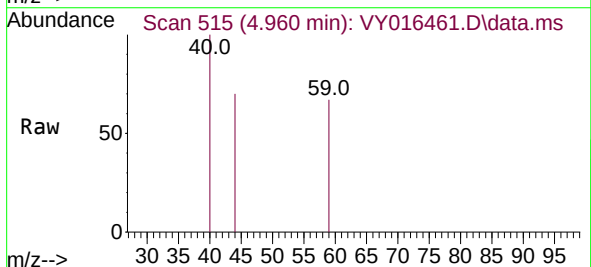
Instrument :
MSVOA_Y
ClientSampleId :

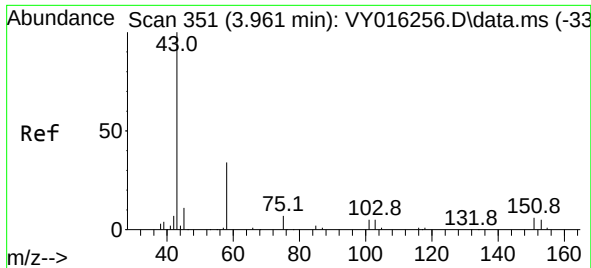
Tgt Ion:168 Resp: 97671
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.575 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY016461.D
Acq: 22 Nov 2023 14:47

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 15.285 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

Instrument :

MSVOA_Y

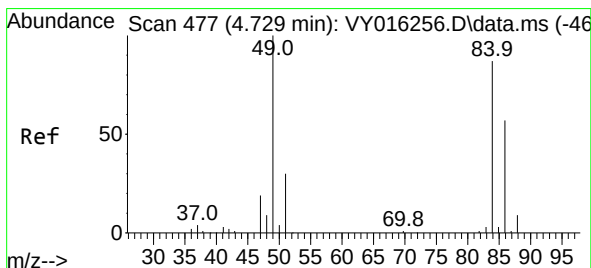
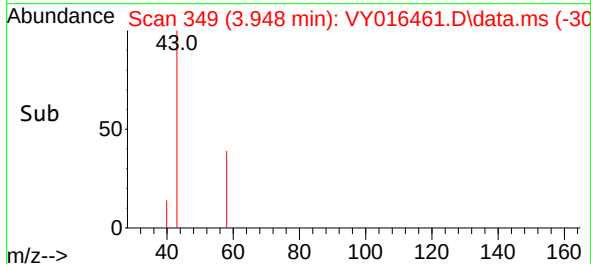
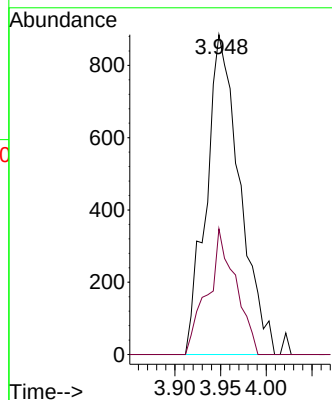
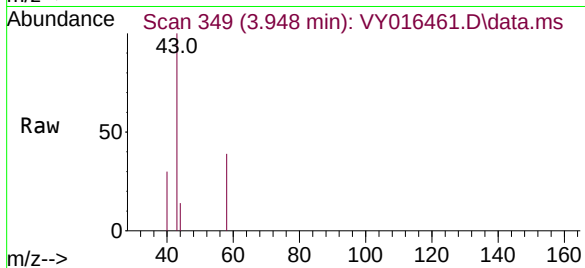
ClientSampleId :

Tgt Ion: 43 Resp: 2257

Ion Ratio Lower Upper

43 100

58 39.3 22.7 34.1#



#20

Methylene Chloride

Concen: 10.305 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

Tgt Ion: 84 Resp: 13632

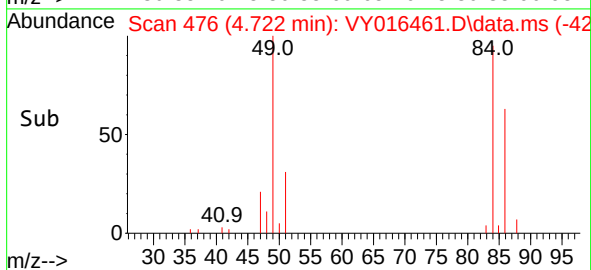
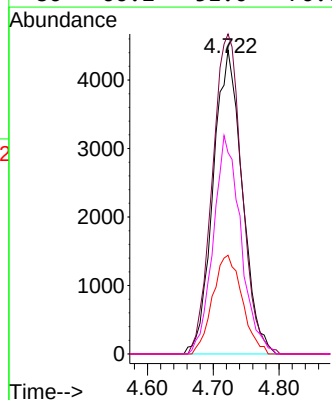
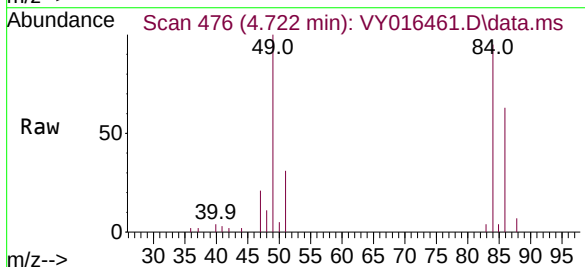
Ion Ratio Lower Upper

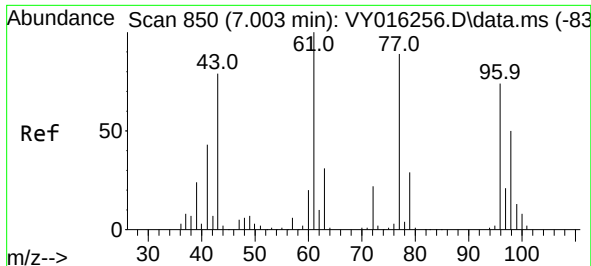
84 100

49 105.2 106.9 160.3#

51 32.5 33.2 49.8#

86 66.2 51.0 76.6

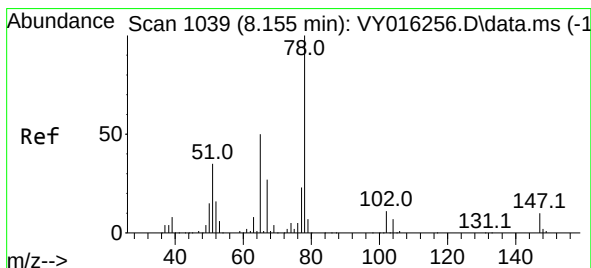
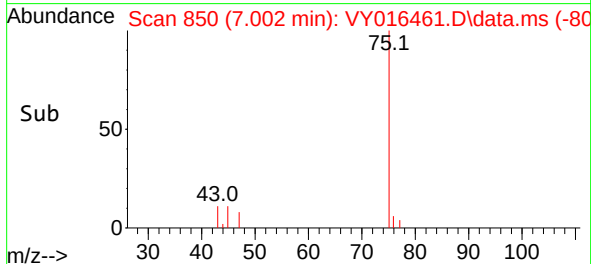
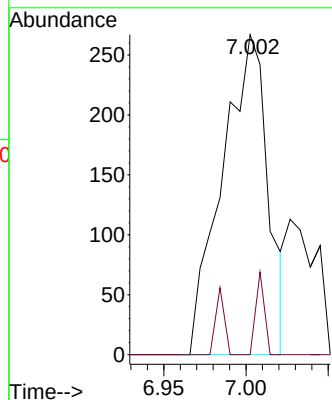
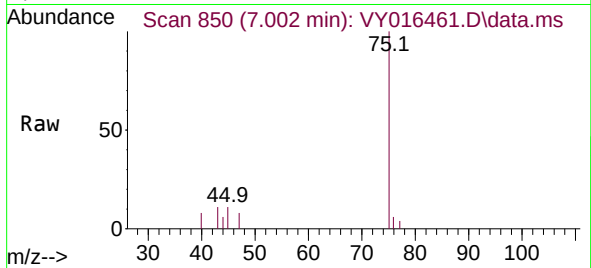




#25
2-Butanone
Concen: 2.003 ug/l
RT: 7.002 min Scan# 81
Delta R.T. -0.000 min
Lab File: VY016461.D
Acq: 22 Nov 2023 14:47

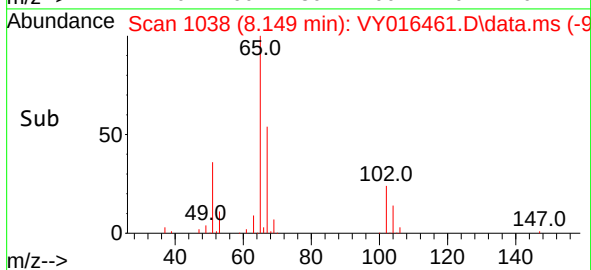
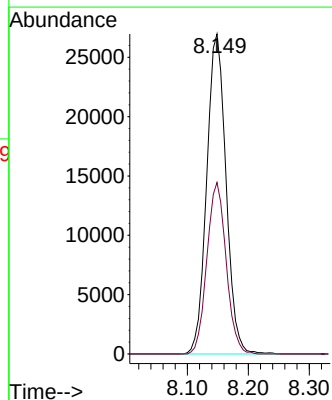
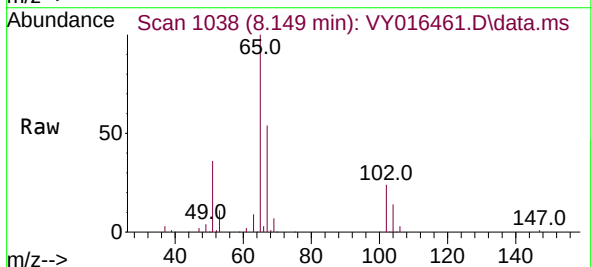
Instrument :
MSVOA_Y
ClientSampleId :

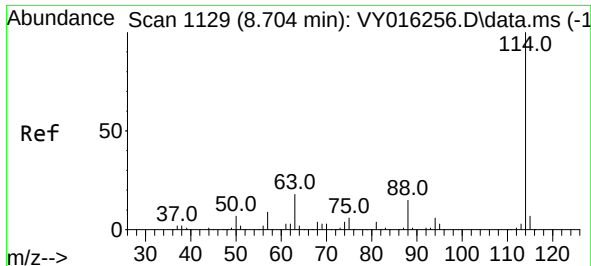
Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 66.528 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016461.D
Acq: 22 Nov 2023 14:47

Tgt Ion: 65 Resp: 59388
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

Instrument :

MSVOA_Y

ClientSampleId :

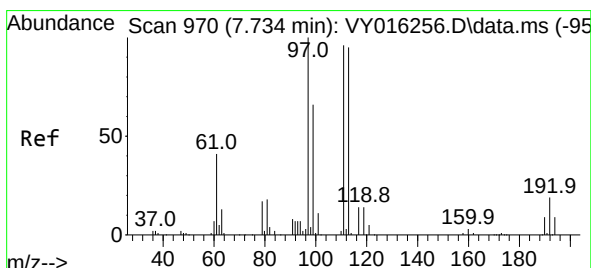
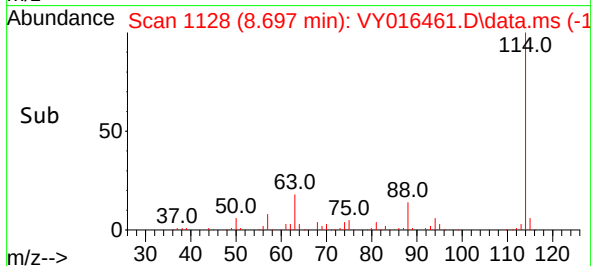
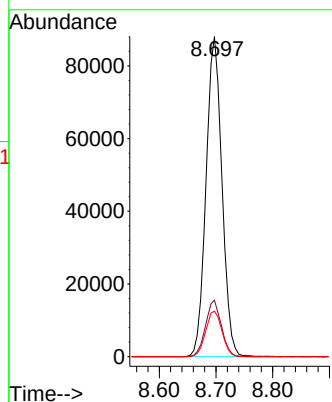
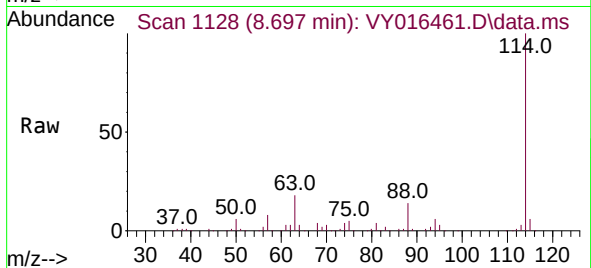
Tgt Ion:114 Resp: 171553

Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.707 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

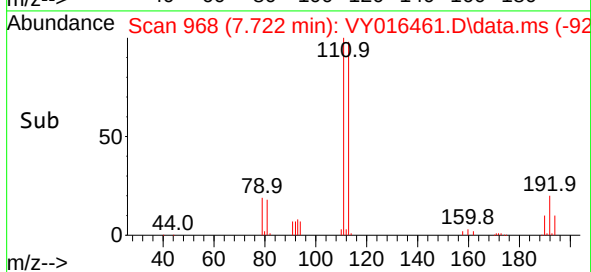
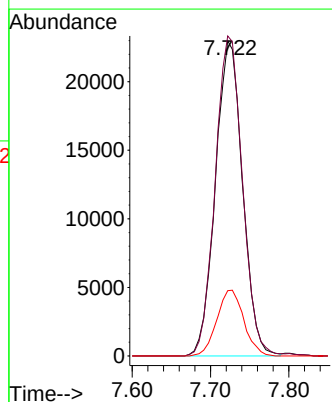
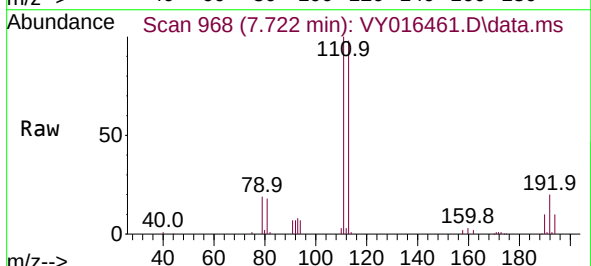
Tgt Ion:113 Resp: 55263

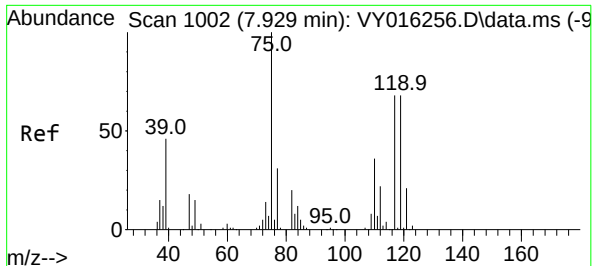
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

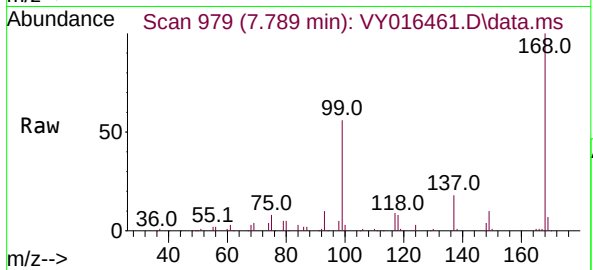
192 20.8 16.9 25.3



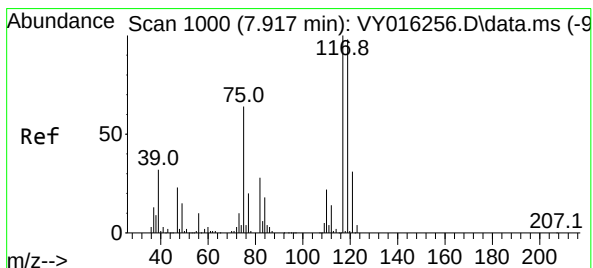
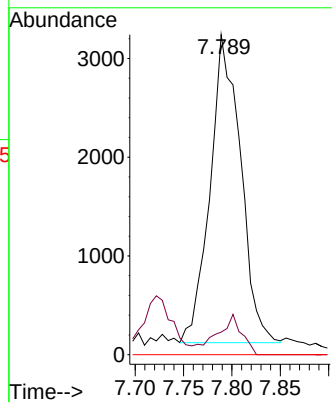
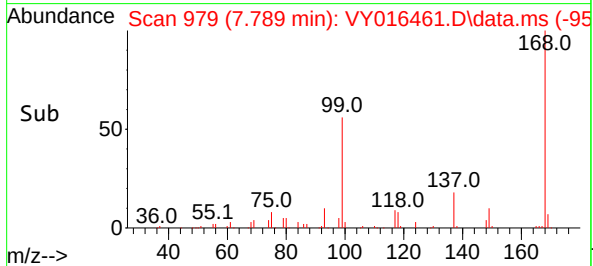


#36
 1,1-Dichloropropene
 Concen: 4.043 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VY016461.D
 Acq: 22 Nov 2023 14:47

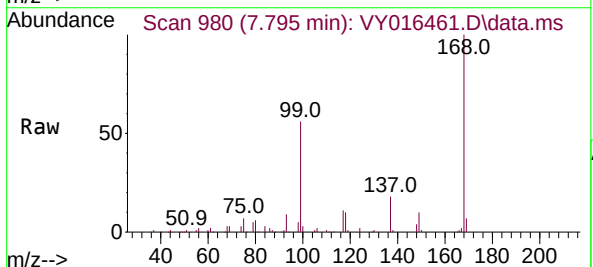
Instrument :
 MSVOA_Y
 ClientSampleId :



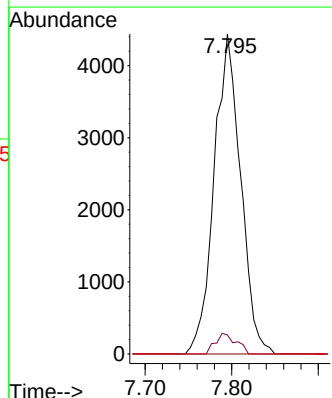
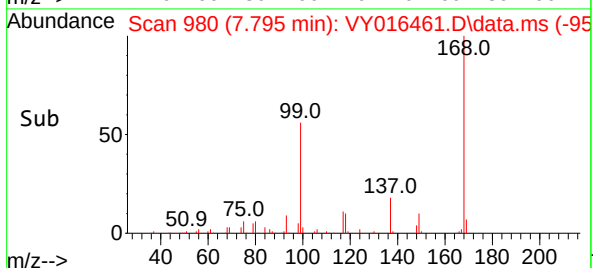
Tgt Ion: 75 Resp: 6842
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.8 53.5#
 77 0.0 24.4 36.6#

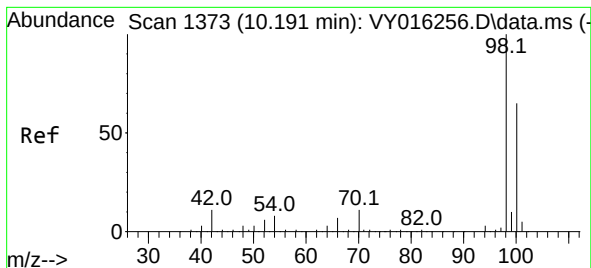


#38
 Carbon Tetrachloride
 Concen: 5.375 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.122 min
 Lab File: VY016461.D
 Acq: 22 Nov 2023 14:47



Tgt Ion: 117 Resp: 9439
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.947 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

Instrument :

MSVOA_Y

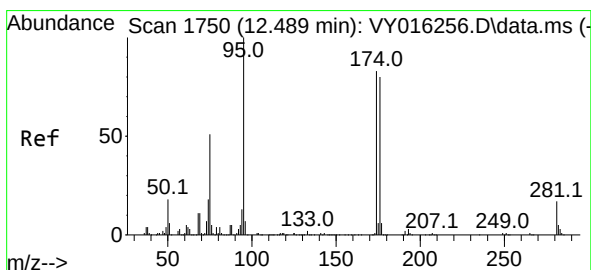
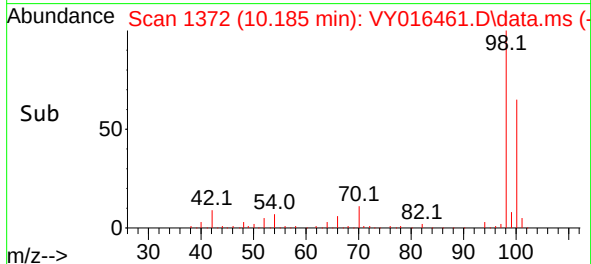
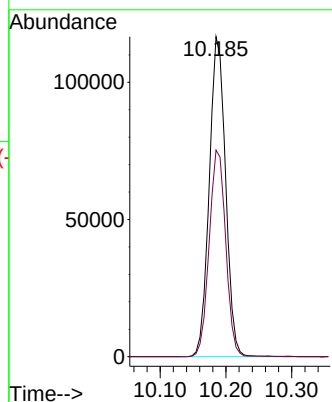
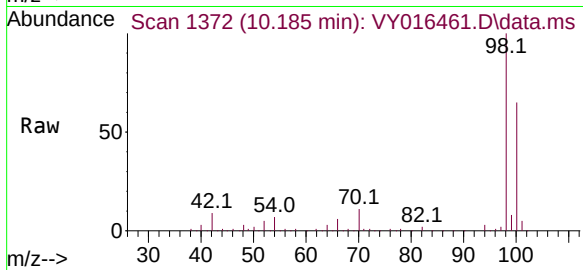
ClientSampleId :

Tgt Ion: 98 Resp: 201337

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 54.815 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

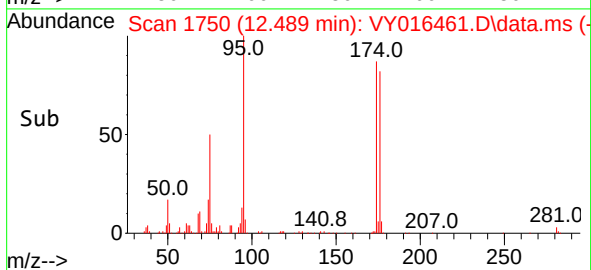
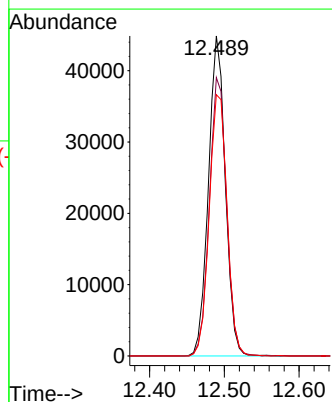
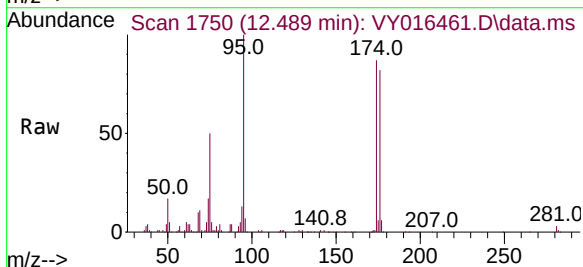
Tgt Ion: 95 Resp: 70357

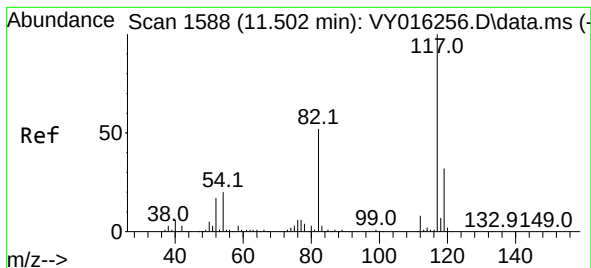
Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.2

176 86.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

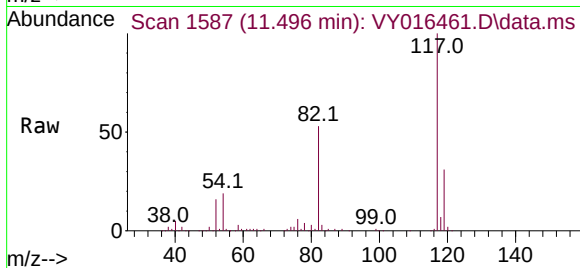
Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

Instrument :

MSVOA_Y

ClientSampleId :



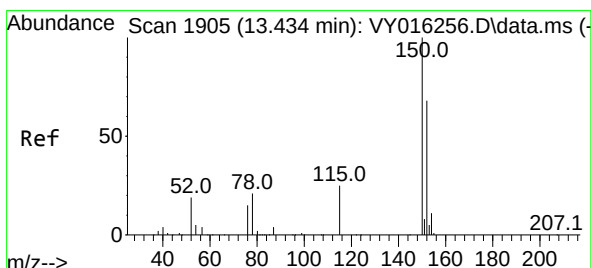
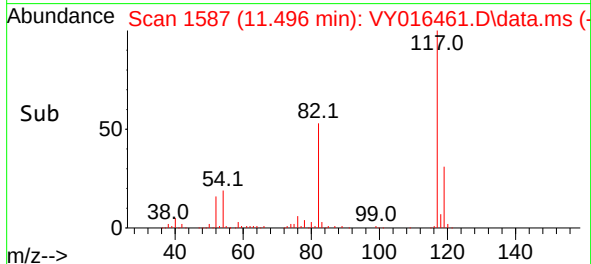
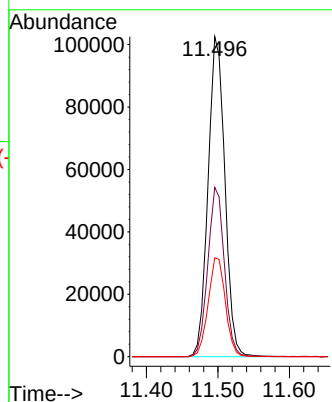
Tgt Ion:117 Resp: 167440

Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 30.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016461.D

Acq: 22 Nov 2023 14:47

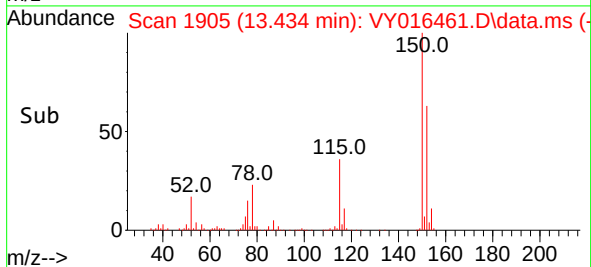
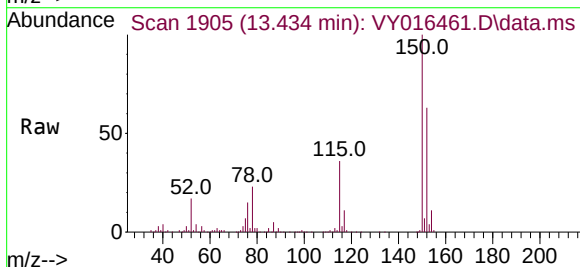
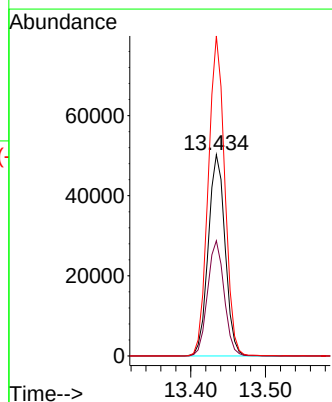
Tgt Ion:152 Resp: 78515

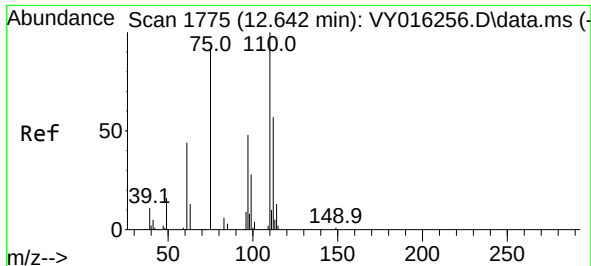
Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 155.7 0.0 348.8

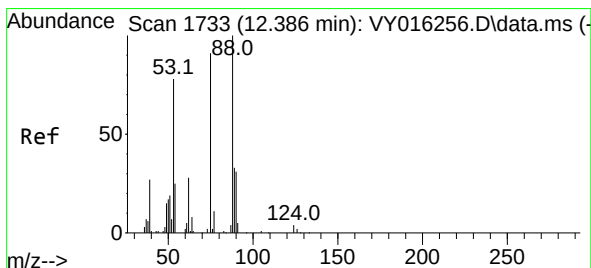
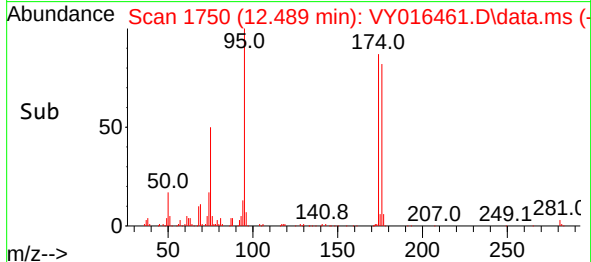
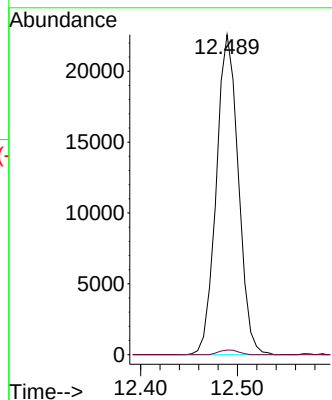
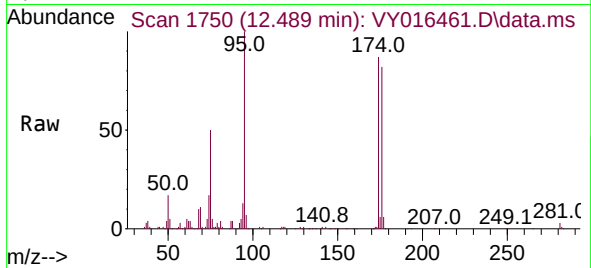




#76
1,2,3-Trichloropropane
Concen: 47.424 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016461.D
Acq: 22 Nov 2023 14:47

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 35719
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.937 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016461.D
Acq: 22 Nov 2023 14:47

Tgt Ion: 75 Resp: 35719
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

