

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016465.D
 Acq On : 22 Nov 2023 16:20
 Operator : SY/MD
 Sample : 05469-03
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:08:00 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)

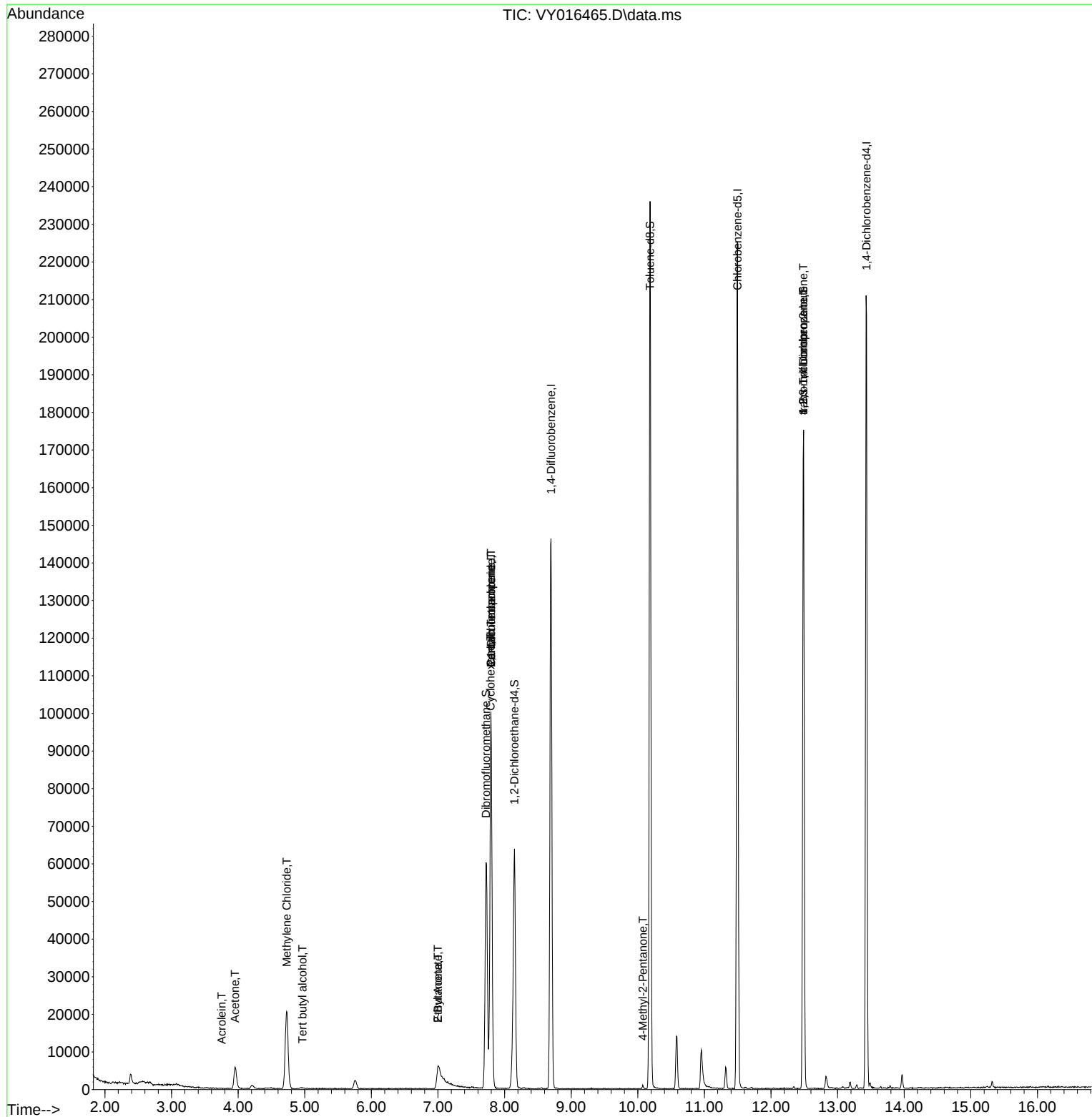
Internal Standards						
1) Pentafluorobenzene	7.795	168	77937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	135638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	132184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	59447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	46751	65.633	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.260%			
35) Dibromofluoromethane	7.722	113	43953	57.044	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.080%			
50) Toluene-d8	10.185	98	159927	51.184	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.360%			
62) 4-Bromofluorobenzene	12.483	95	53250	52.473	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.940%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	704	12.621	ug/l #	89
13) Acrolein	3.753	56	75	1.115	ug/l #	14
16) Acetone	3.954	43	10130	85.975	ug/l #	88
20) Methylene Chloride	4.729	84	17127	18.375	ug/l #	81
25) 2-Butanone	6.996	43	2713	13.146	ug/l	91
31) Cyclohexane	7.789	56	1420	1.013	ug/l #	8
36) 1,1-Dichloropropene	7.795	75	5807	4.340	ug/l #	49
37) Ethyl Acetate	6.996	43	2713	5.019	ug/l #	86
38) Carbon Tetrachloride	7.795	117	7271	5.236	ug/l #	19
51) 4-Methyl-2-Pentanone	10.075	43	544	1.030	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	27307	47.884	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27307	103.937	ug/l #	10

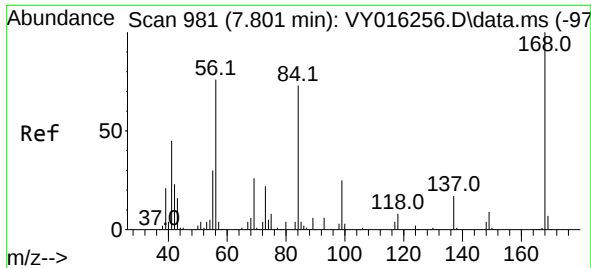
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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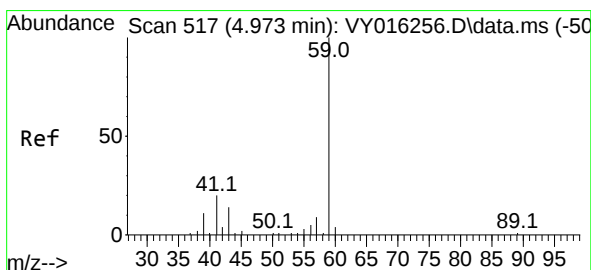
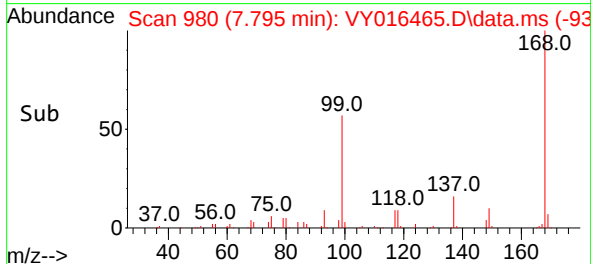
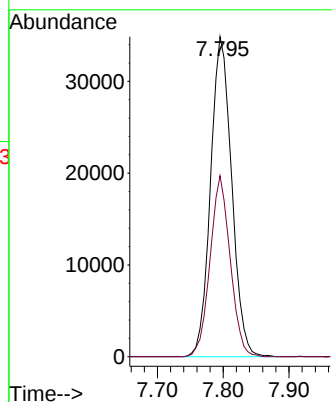
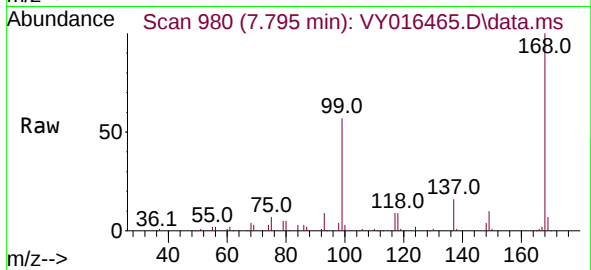




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

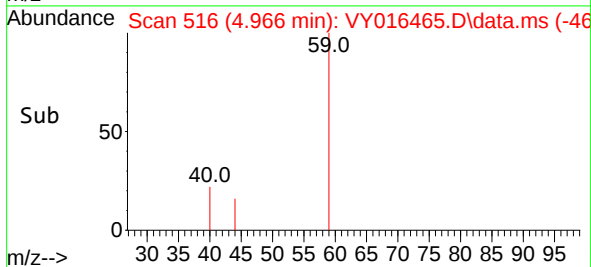
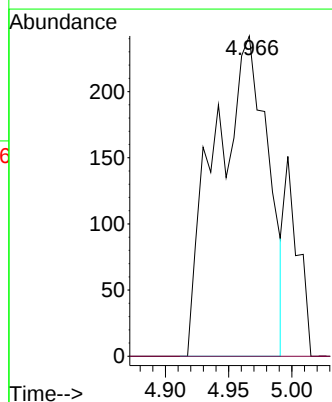
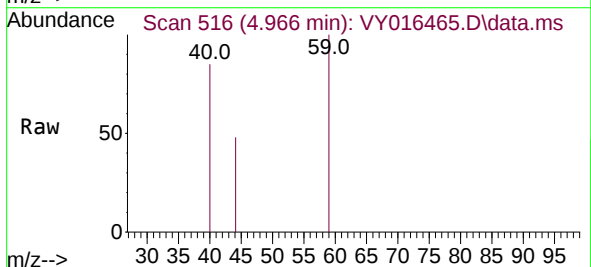
Instrument :
MSVOA_Y
ClientSampleId :

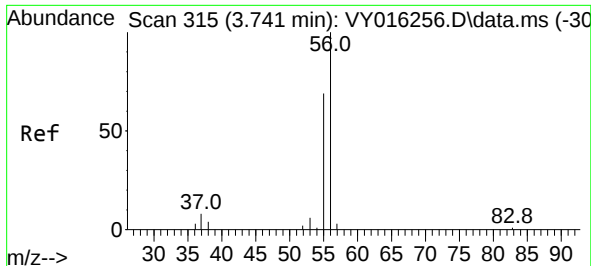
Tgt Ion:168 Resp: 77937
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 12.621 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

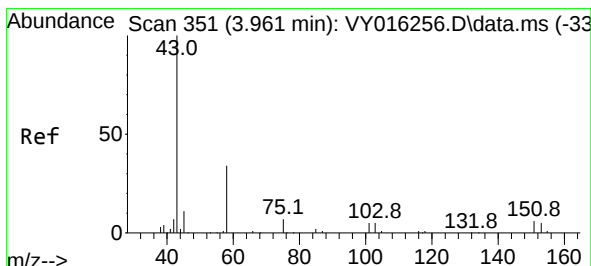
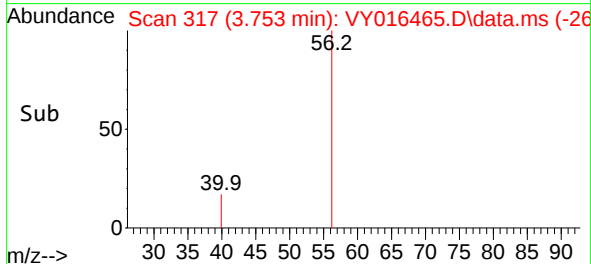
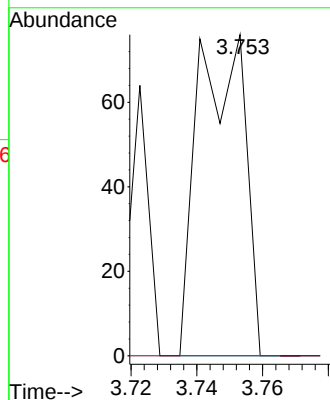
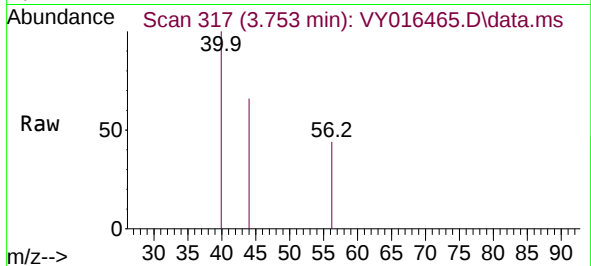




#13
Acrolein
Concen: 1.115 ug/l
RT: 3.753 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

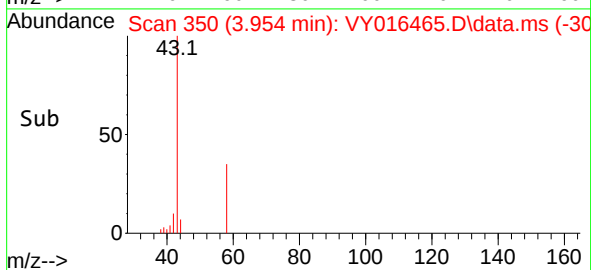
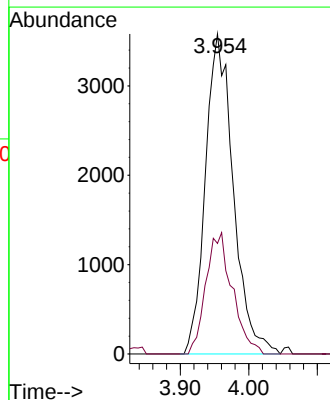
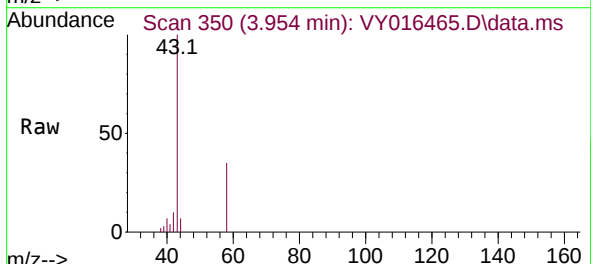
Instrument :
MSVOA_Y
ClientSampleId :

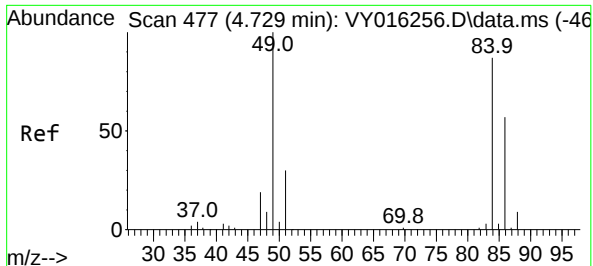
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 85.975 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

Tgt Ion: 43 Resp: 10130
Ion Ratio Lower Upper
43 100
58 34.6 22.7 34.1#





#20

Methylene Chloride

Concen: 18.375 ug/l

RT: 4.729 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY016465.D

Acq: 22 Nov 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 17127

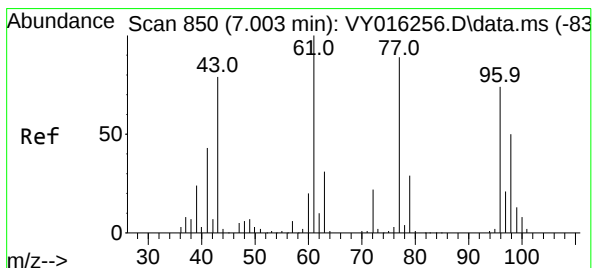
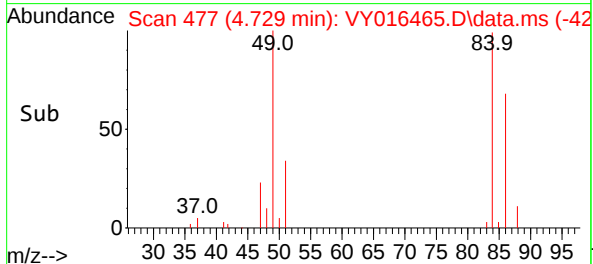
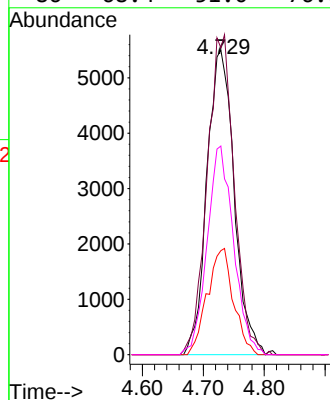
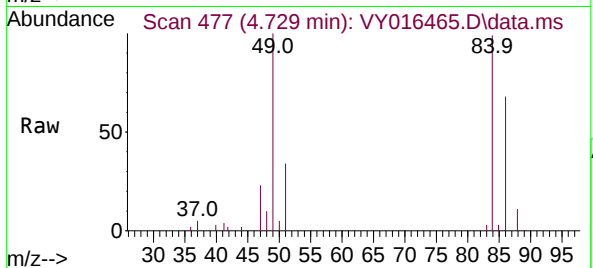
Ion Ratio Lower Upper

84 100

49 100.7 106.9 160.3#

51 34.1 33.2 49.8

86 68.4 51.0 76.6



#25

2-Butanone

Concen: 13.146 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY016465.D

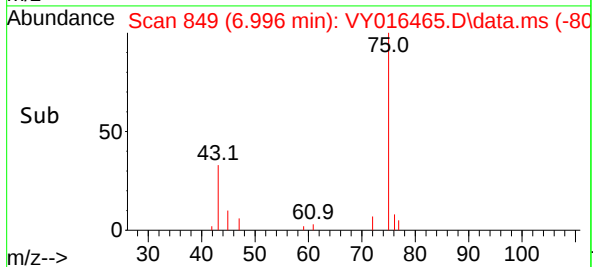
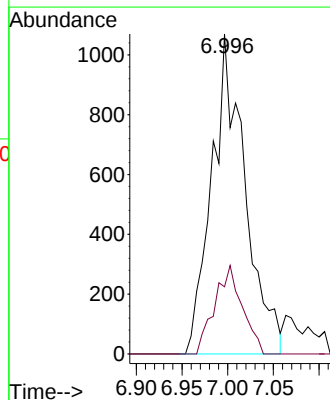
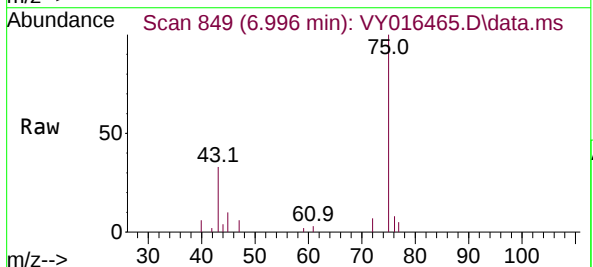
Acq: 22 Nov 2023 16:20

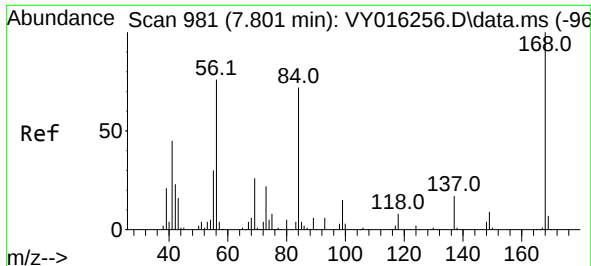
Tgt Ion: 43 Resp: 2713

Ion Ratio Lower Upper

43 100

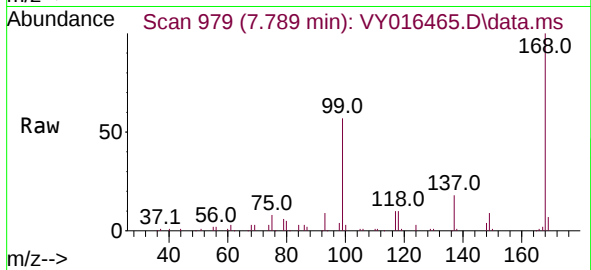
72 21.0 20.5 30.7



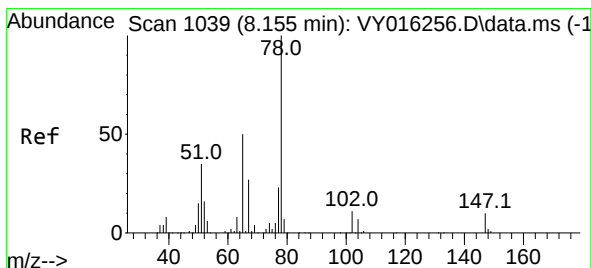
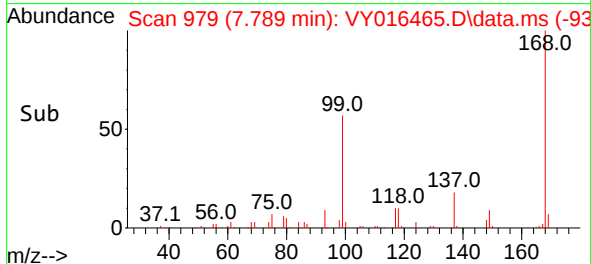
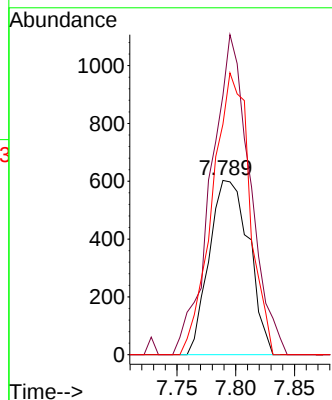


#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

Instrument :
MSVOA_Y
ClientSampleId :

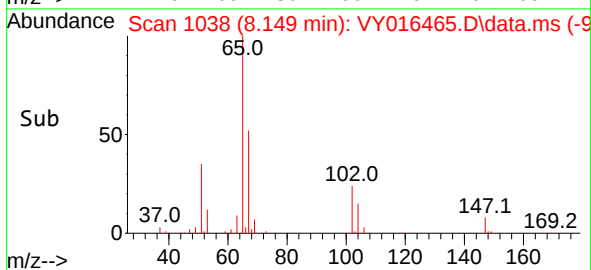
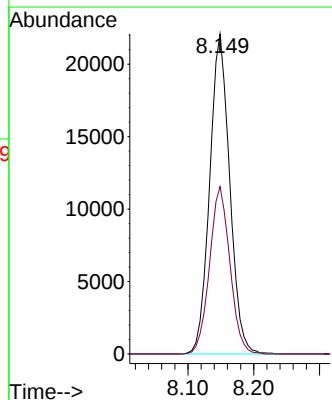
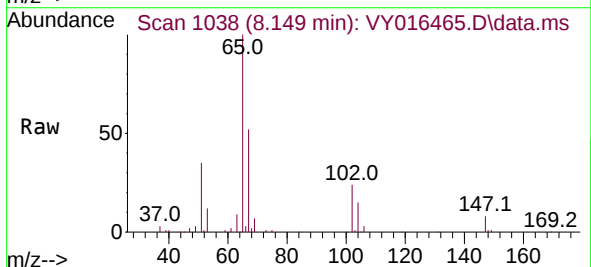


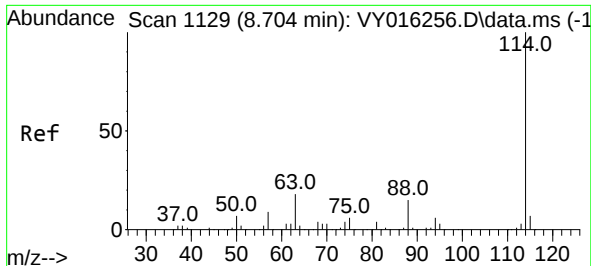
Tgt Ion: 56 Resp: 1420
Ion Ratio Lower Upper
56 100
69 139.1 27.8 41.6#
84 132.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 65.633 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

Tgt Ion: 65 Resp: 46751
Ion Ratio Lower Upper
65 100
67 53.1 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: VY016465.D

Acq: 22 Nov 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

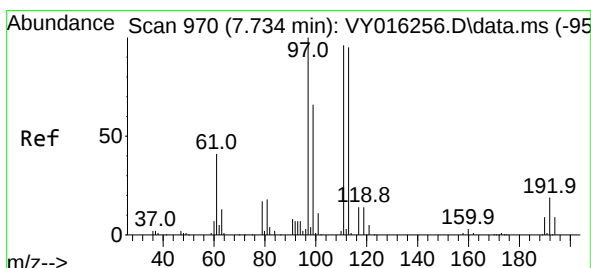
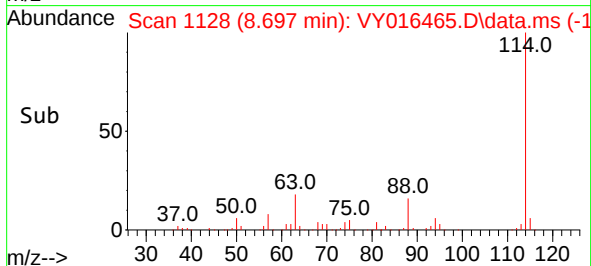
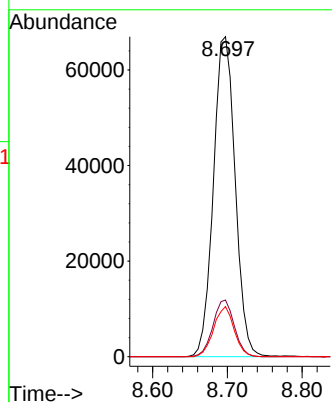
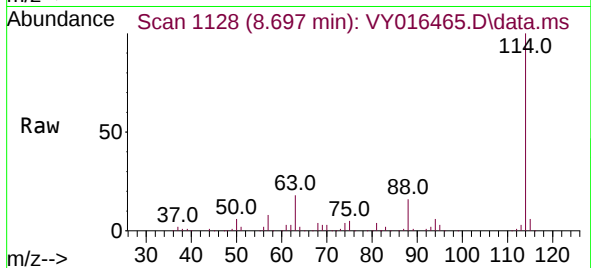
Tgt Ion:114 Resp: 135638

Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.044 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016465.D

Acq: 22 Nov 2023 16:20

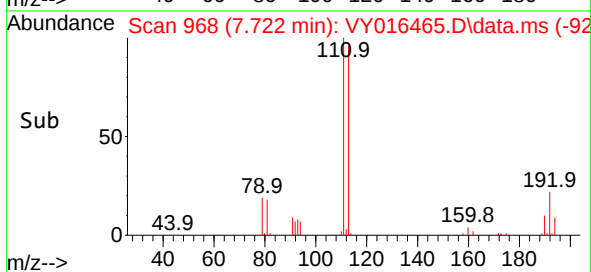
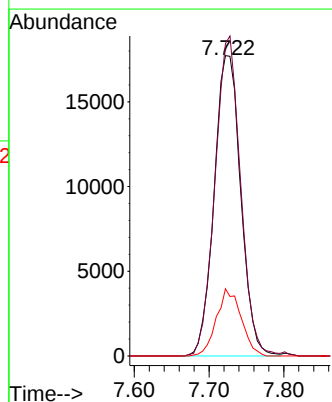
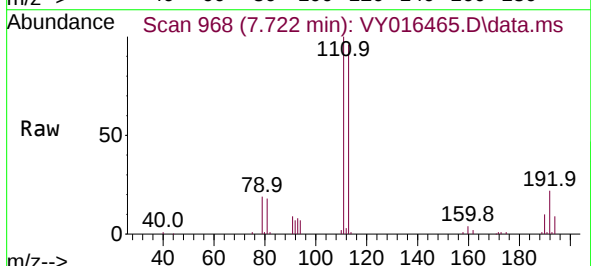
Tgt Ion:113 Resp: 43953

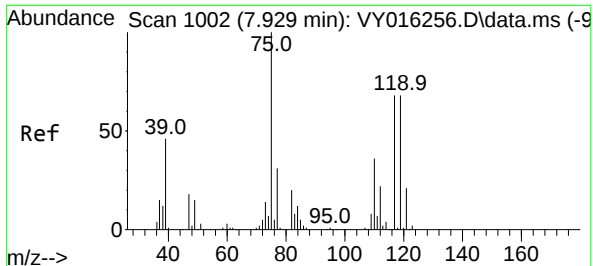
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

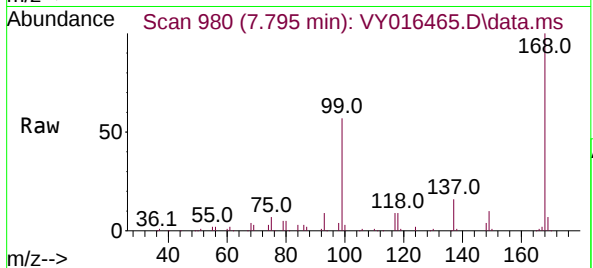
192 20.7 16.9 25.3



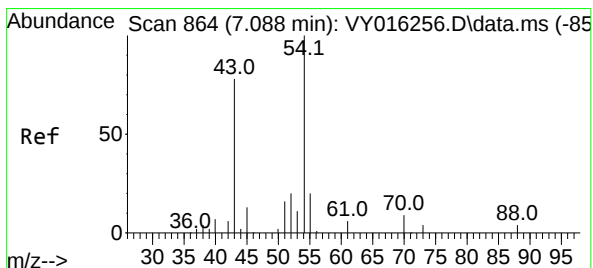
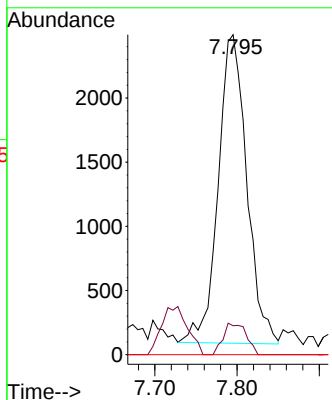
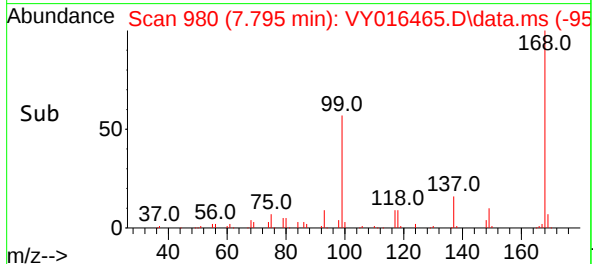


#36
 1,1-Dichloropropene
 Concen: 4.340 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY016465.D
 Acq: 22 Nov 2023 16:20

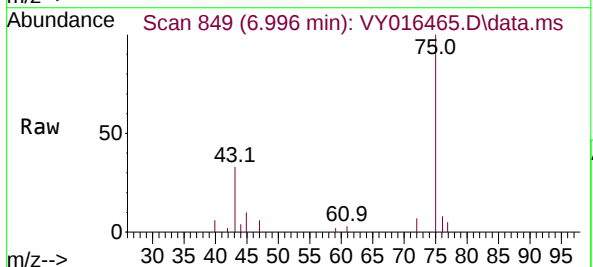
Instrument :
 MSVOA_Y
 ClientSampleId :



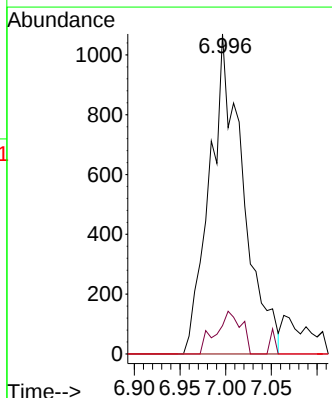
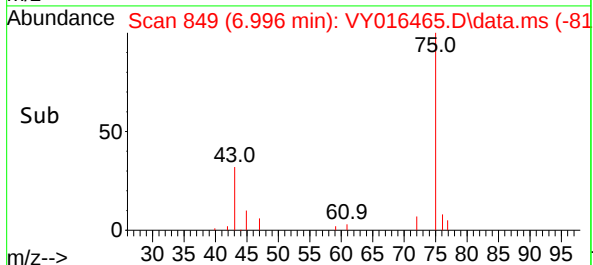
Tgt Ion: 75 Resp: 5807
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.8 53.5#
 77 0.0 24.4 36.6#

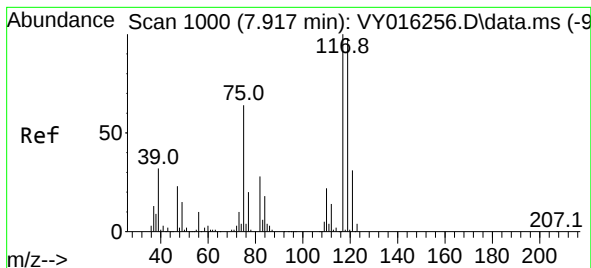


#37
 Ethyl Acetate
 Concen: 5.019 ug/l
 RT: 6.996 min Scan# 849
 Delta R.T. -0.092 min
 Lab File: VY016465.D
 Acq: 22 Nov 2023 16:20



Tgt Ion: 43 Resp: 2713
 Ion Ratio Lower Upper
 43 100
 61 10.2 10.1 15.1
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.236 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY016465.D

Acq: 22 Nov 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

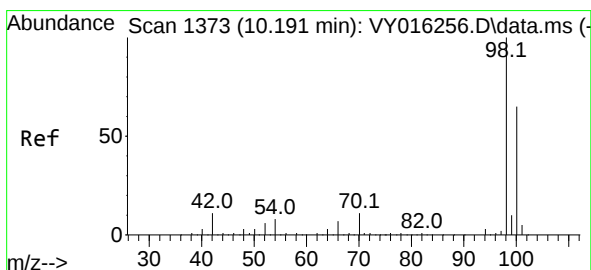
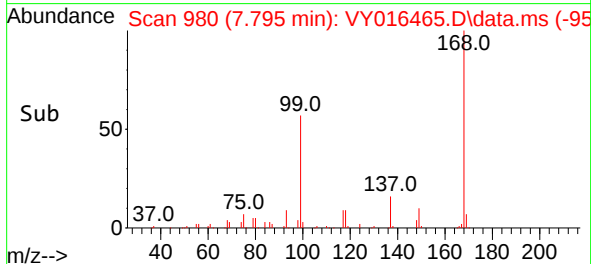
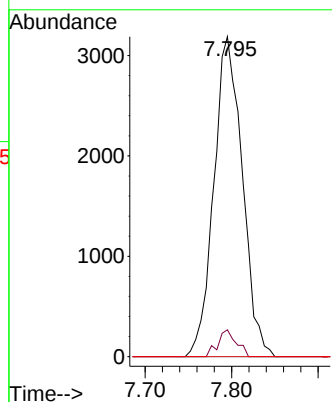
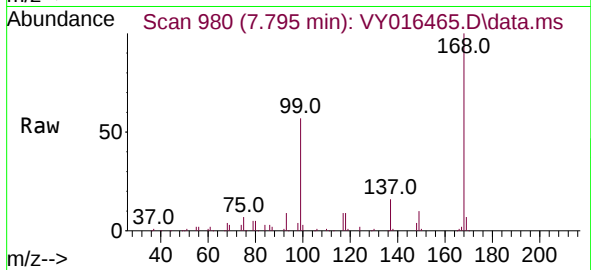
Tgt Ion:117 Resp: 7271

Ion Ratio Lower Upper

117 100

119 8.4 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 51.184 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016465.D

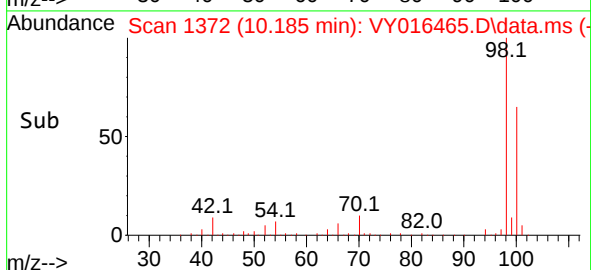
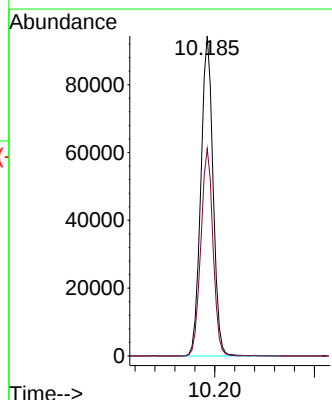
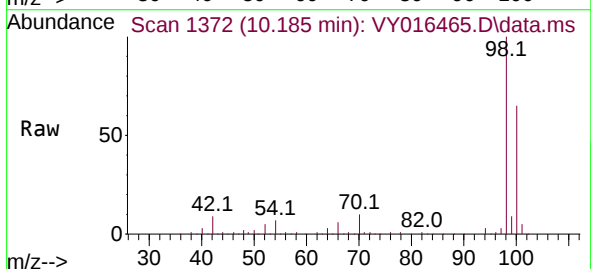
Acq: 22 Nov 2023 16:20

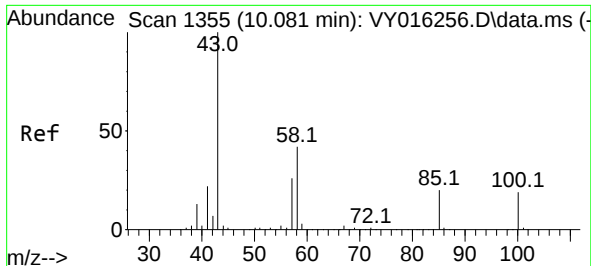
Tgt Ion: 98 Resp: 159927

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1

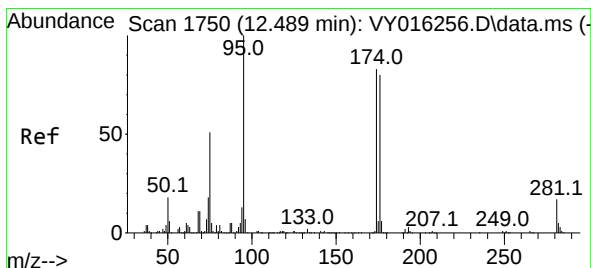
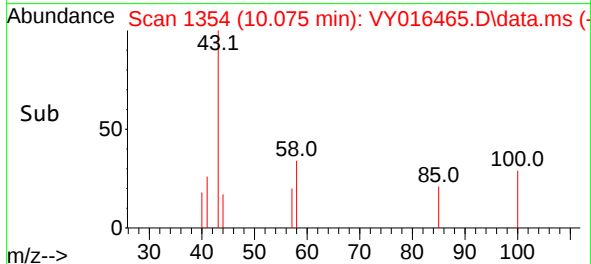
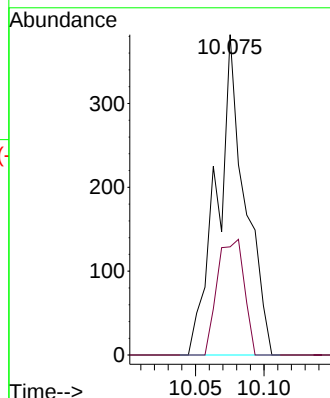
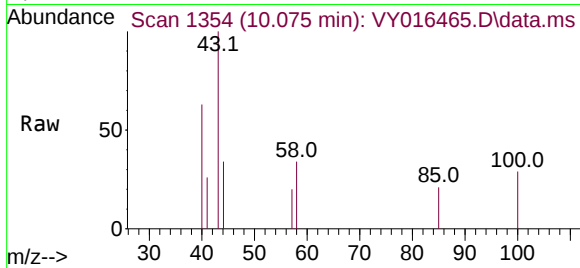




#51
4-Methyl-2-Pentanone
Concen: 1.030 ug/l
RT: 10.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

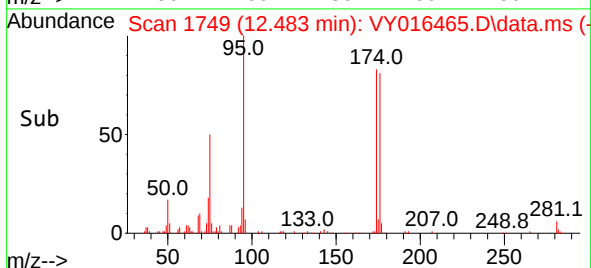
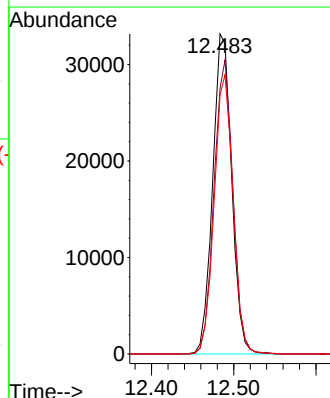
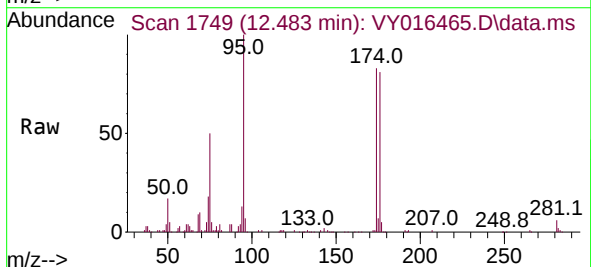
Instrument :
MSVOA_Y
ClientSampleId :

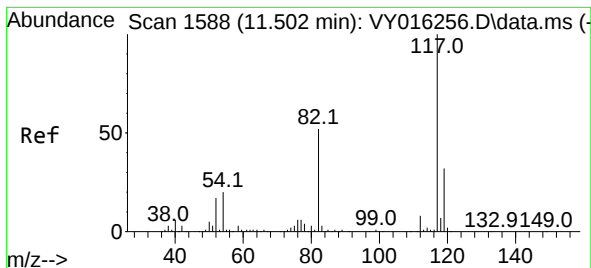
Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 34.4 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 52.473 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016465.D
Acq: 22 Nov 2023 16:20

Tgt Ion: 95 Resp: 53250
Ion Ratio Lower Upper
95 100
174 91.1 0.0 178.2
176 87.2 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: VY016465.D

Acq: 22 Nov 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

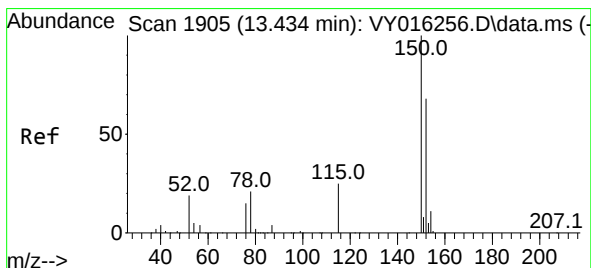
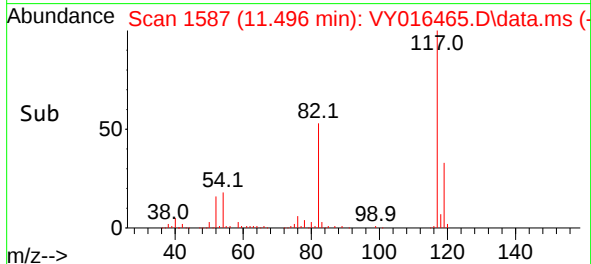
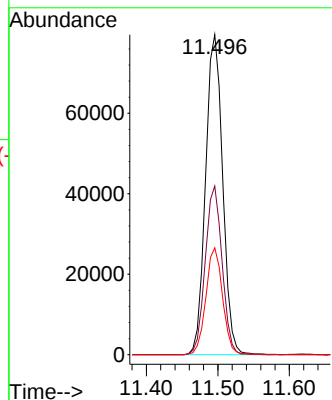
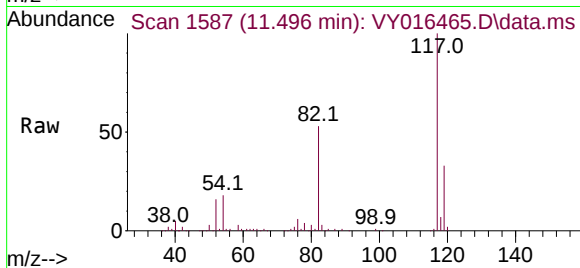
Tgt Ion:117 Resp: 132184

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 33.4 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: VY016465.D

Acq: 22 Nov 2023 16:20

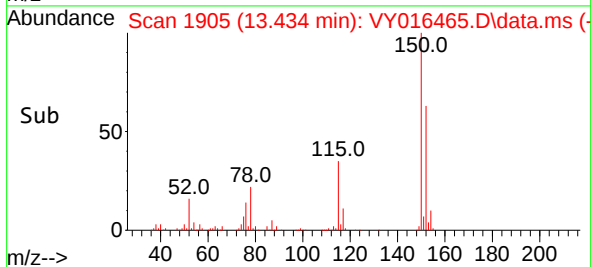
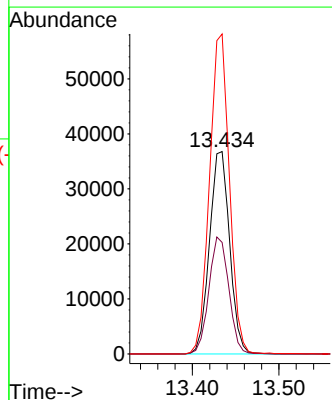
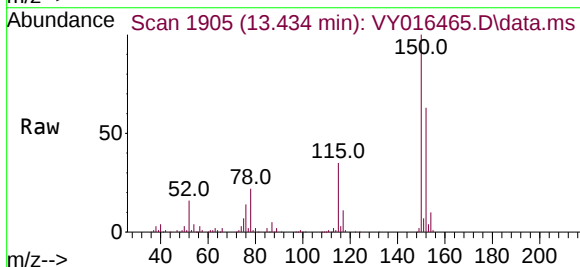
Tgt Ion:152 Resp: 59447

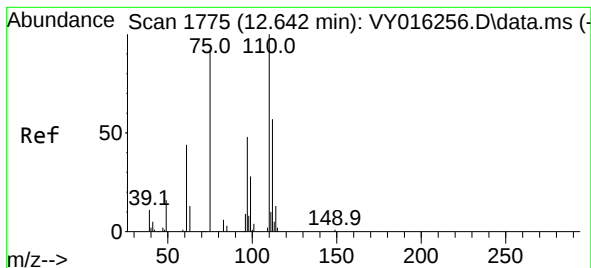
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 155.8 0.0 348.8

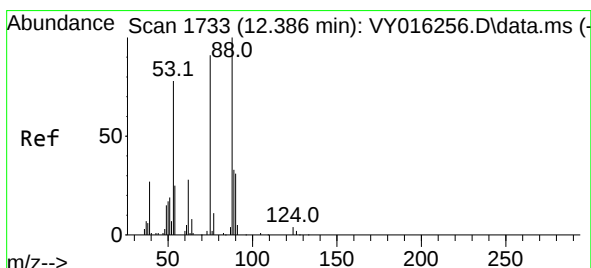
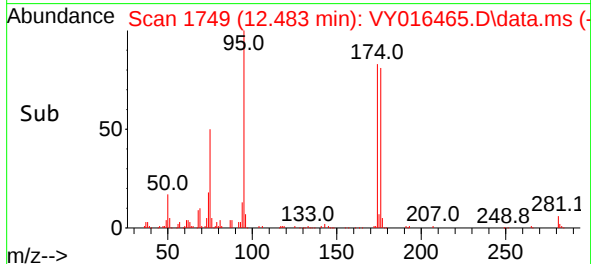
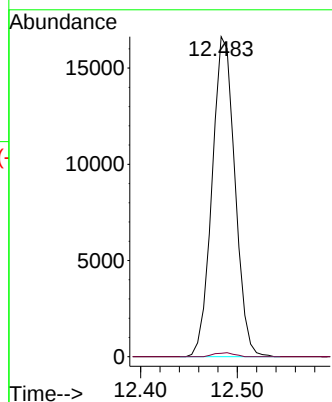
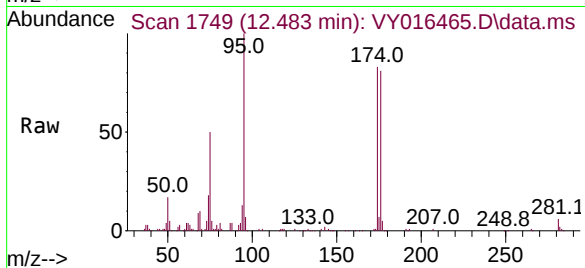




#76
 1,2,3-Trichloropropane
 Concen: 47.884 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.159 min
 Lab File: VY016465.D
 Acq: 22 Nov 2023 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 27307
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.937 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.097 min
 Lab File: VY016465.D
 Acq: 22 Nov 2023 16:20

Tgt Ion: 75 Resp: 27307
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

