

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112423\
 Data File : VY016496.D
 Acq On : 24 Nov 2023 19:46
 Operator : SY/MD
 Sample : 05521-03
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:50:13 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)

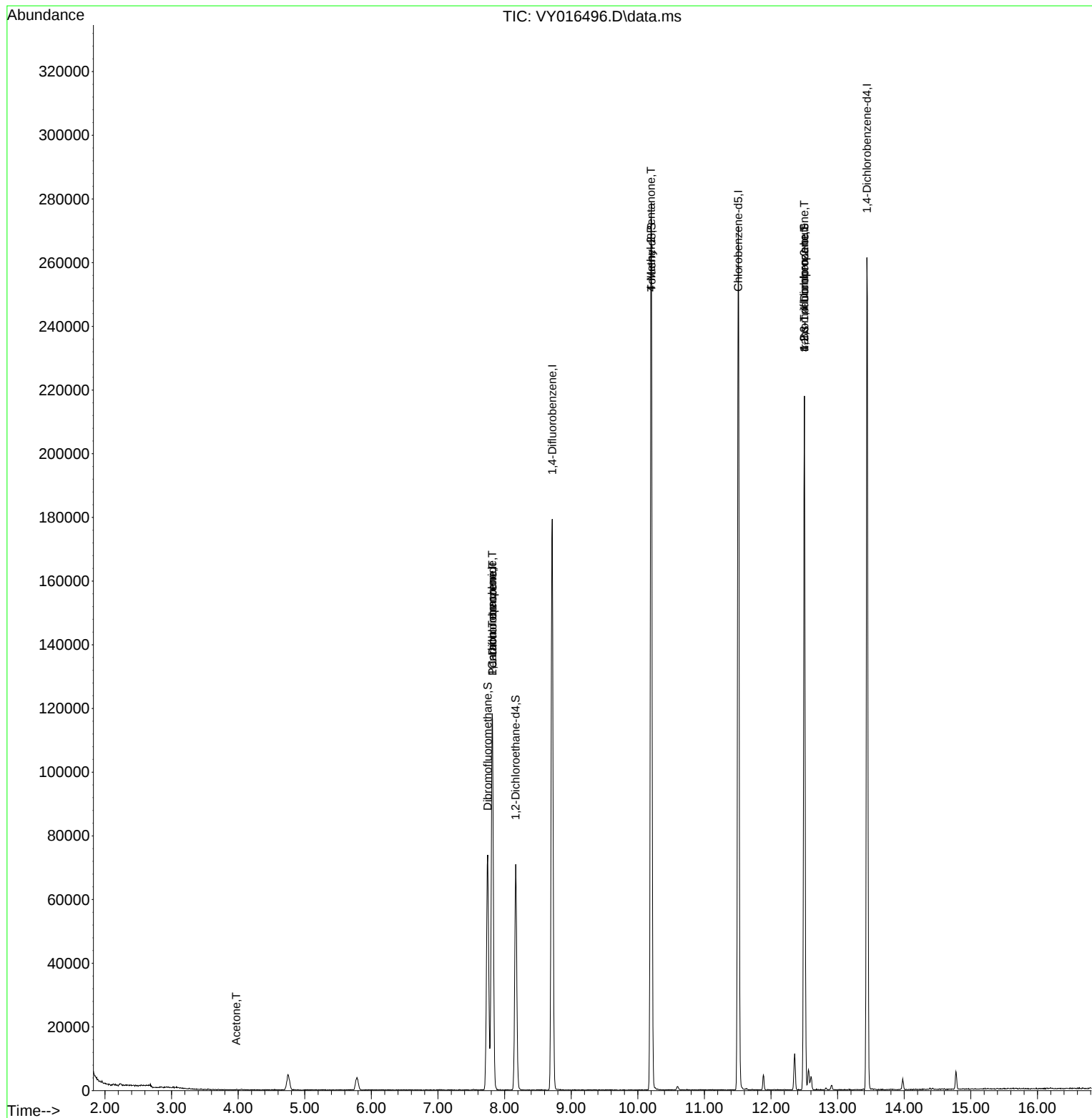
Internal Standards						
1) Pentafluorobenzene	7.819	168	95659	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	166003	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	159599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	71688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	55152	63.082	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.160%	
35) Dibromofluoromethane	7.746	113	52744	55.932	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.860%	
50) Toluene-d8	10.203	98	194030	50.739	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.501	95	66936	53.894	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.780%	
Target Compounds						Qvalue
16) Acetone	3.972	43	233	1.611	ug/l #	46
36) 1,1-Dichloropropene	7.819	75	6279	3.835	ug/l #	50
38) Carbon Tetrachloride	7.813	117	9237	5.435	ug/l #	15
51) 4-Methyl-2-Pentanone	10.197	43	668	1.033	ug/l #	1
76) 1,2,3-Trichloropropane	12.501	75	32813	47.714	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	32813	103.568	ug/l #	11

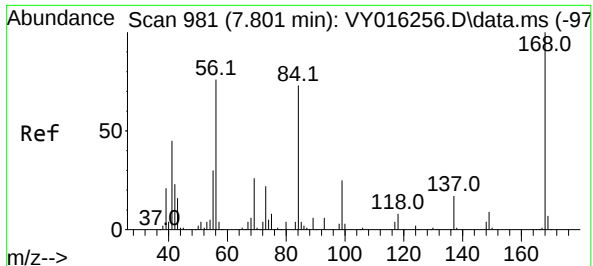
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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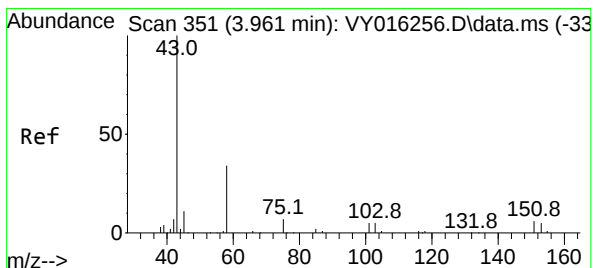
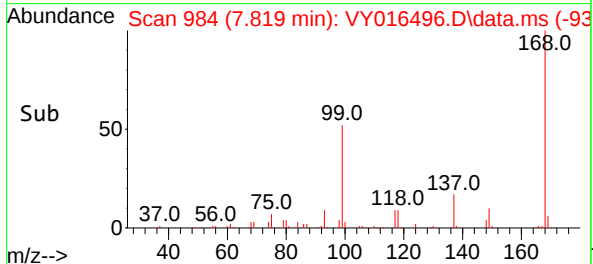
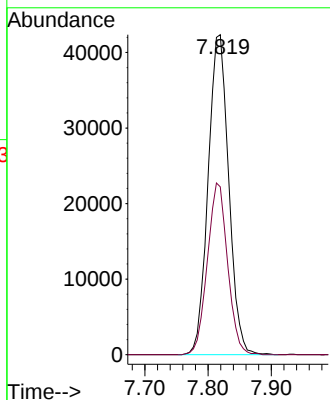
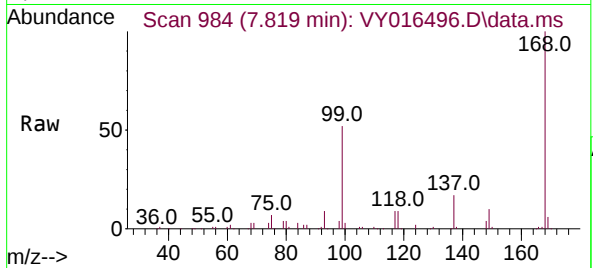




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

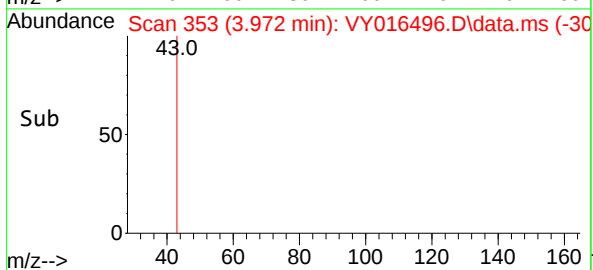
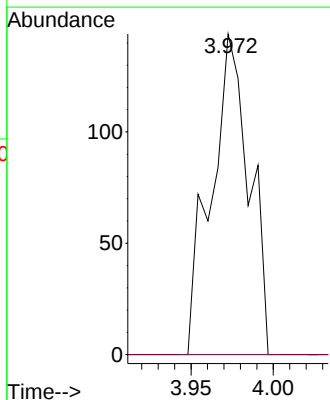
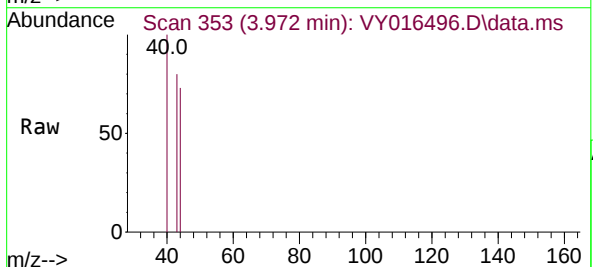
Instrument :
MSVOA_Y
ClientSampleId :

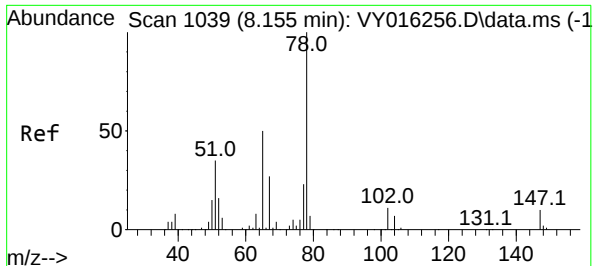
Tgt Ion:168 Resp: 95659
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#16
Acetone
Concen: 1.611 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#





#33

1,2-Dichloroethane-d4

Concen: 63.082 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016496.D

Acq: 24 Nov 2023 19:46

Instrument :

MSVOA_Y

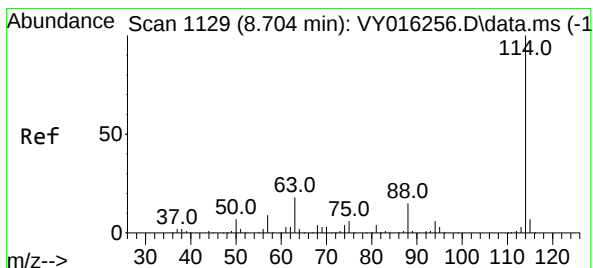
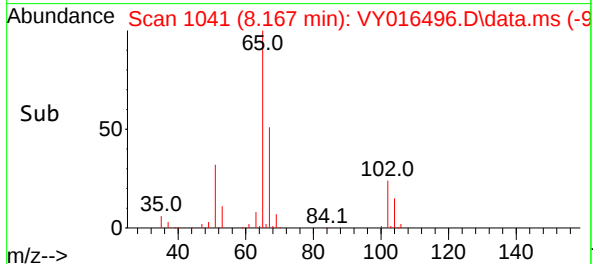
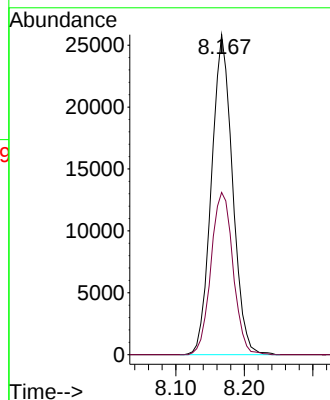
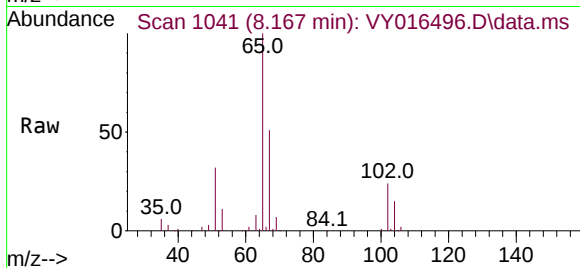
ClientSampleId :

Tgt Ion: 65 Resp: 55152

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.012 min

Lab File: VY016496.D

Acq: 24 Nov 2023 19:46

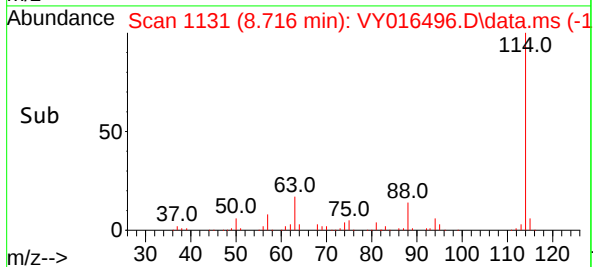
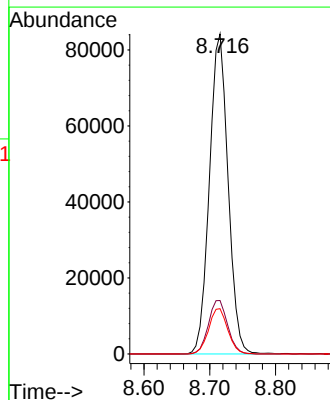
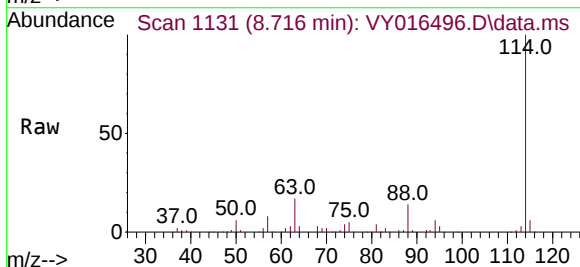
Tgt Ion: 114 Resp: 166003

Ion Ratio Lower Upper

114 100

63 16.7 0.0 42.4

88 14.1 0.0 30.6

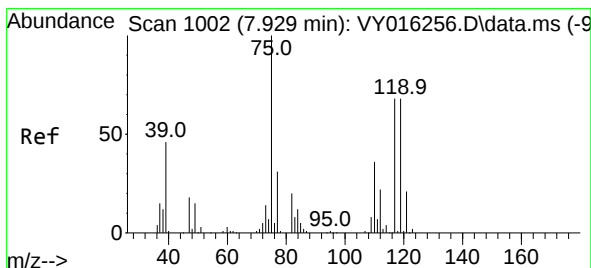
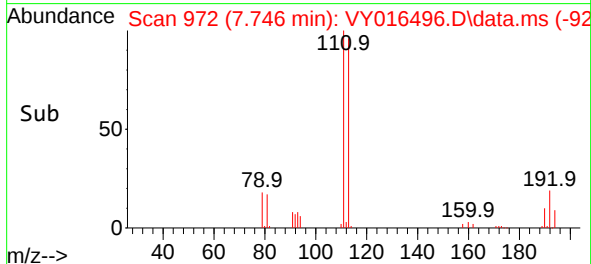
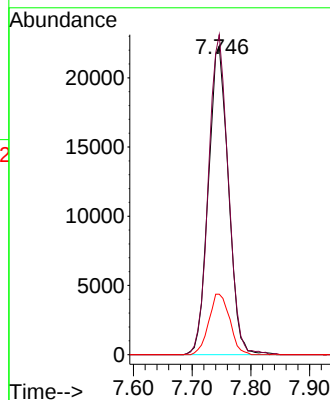
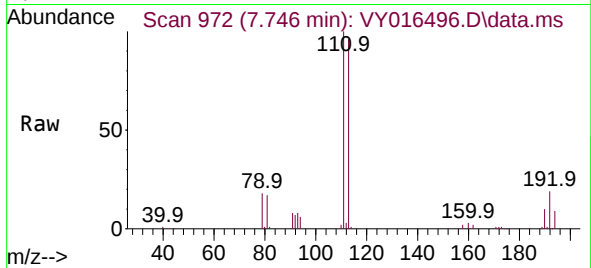




#35
Dibromofluoromethane
Concen: 55.932 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

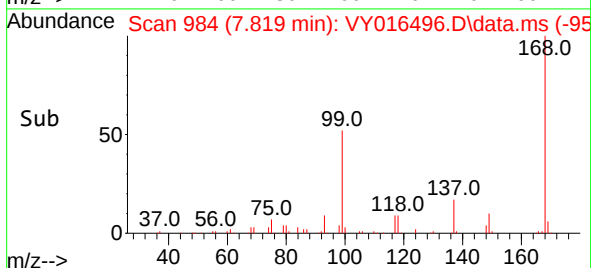
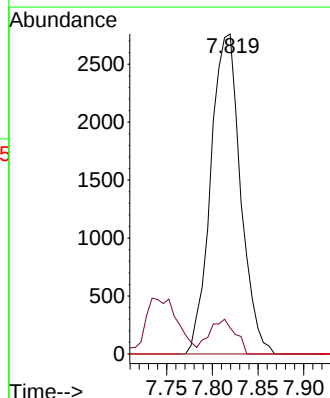
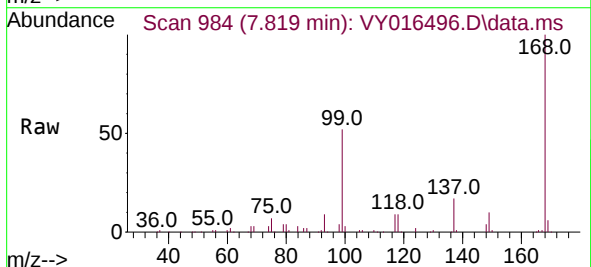
Instrument :
MSVOA_Y
ClientSampleId :

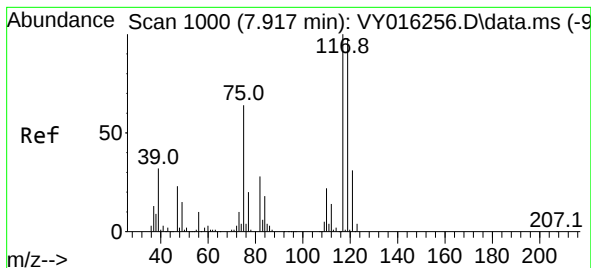
Tgt Ion:113 Resp: 52744
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.835 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

Tgt Ion: 75 Resp: 6279
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.104 min

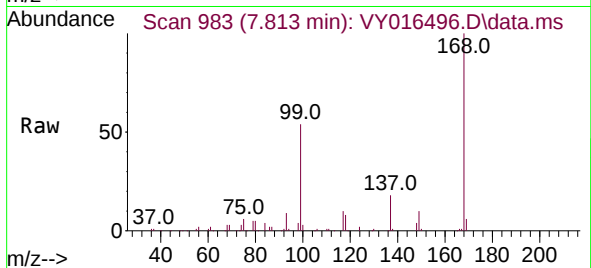
Lab File: VY016496.D

Acq: 24 Nov 2023 19:46

Instrument :

MSVOA_Y

ClientSampleId :



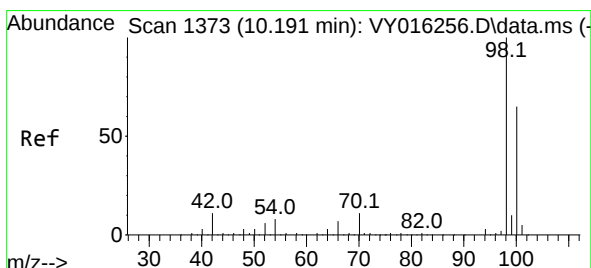
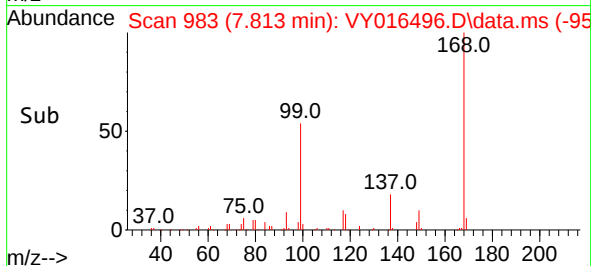
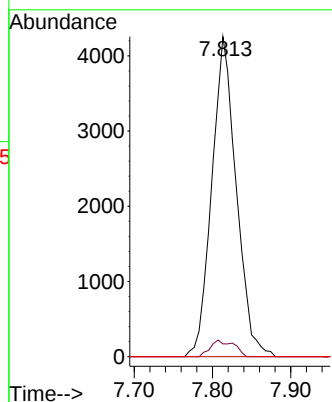
Tgt Ion:117 Resp: 9237

Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 50.739 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016496.D

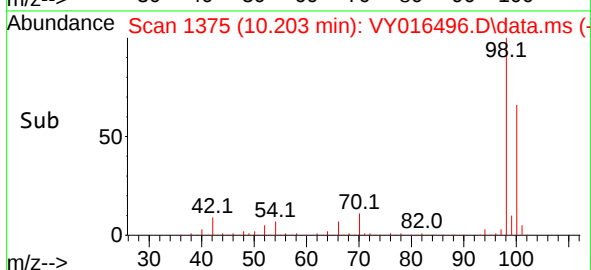
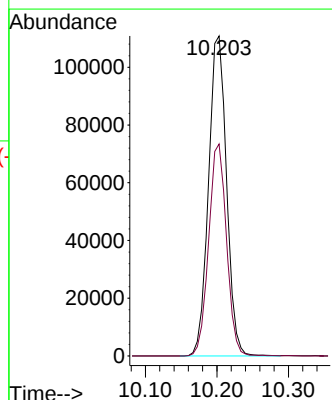
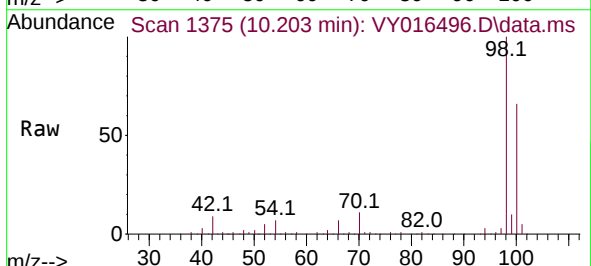
Acq: 24 Nov 2023 19:46

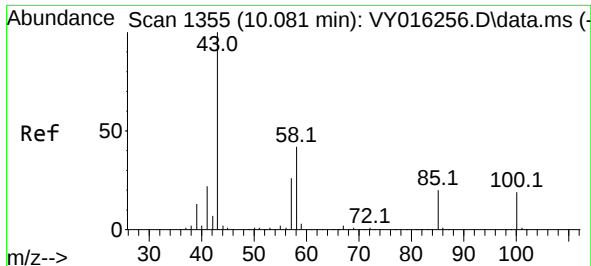
Tgt Ion: 98 Resp: 194030

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1

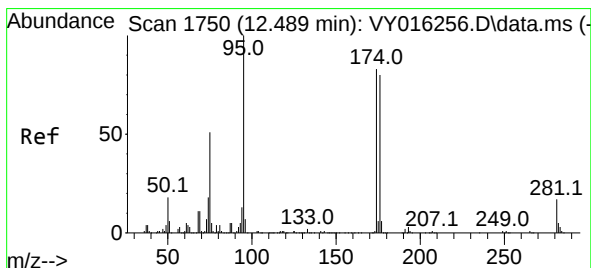
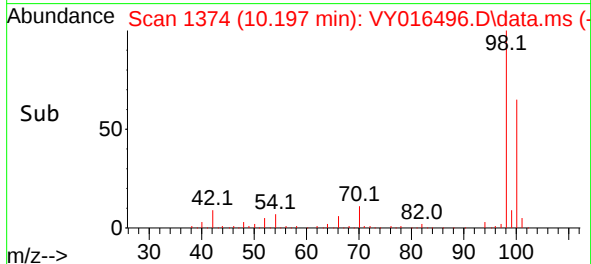
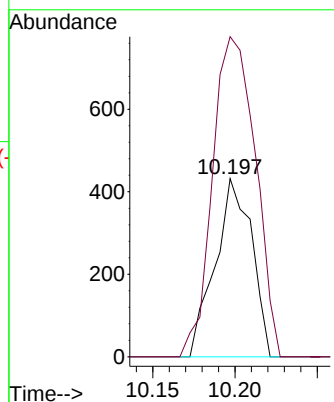
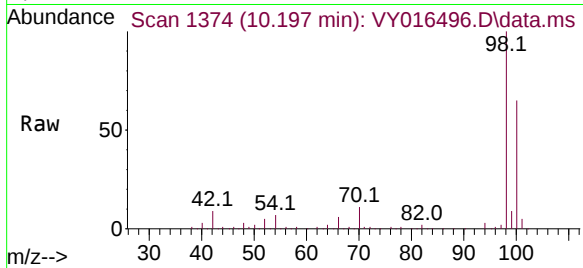




#51
4-Methyl-2-Pentanone
Concen: 1.033 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

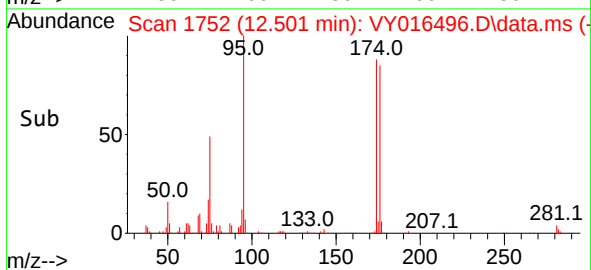
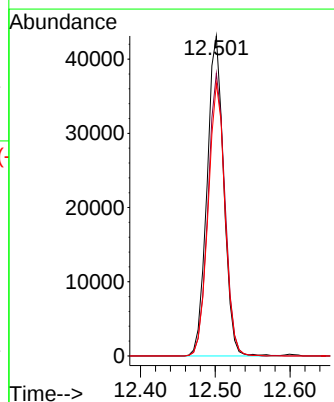
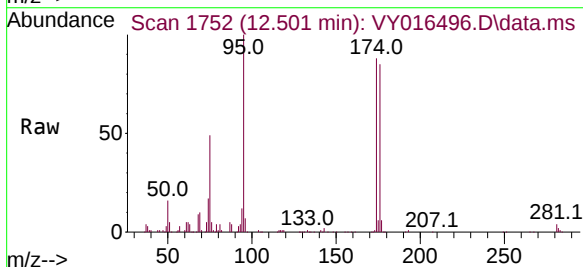
Instrument :
MSVOA_Y
ClientSampleId :

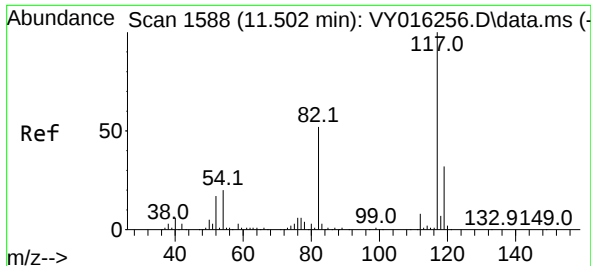
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 210.6 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 53.894 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

Tgt Ion: 95 Resp: 66936
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.2
176 85.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

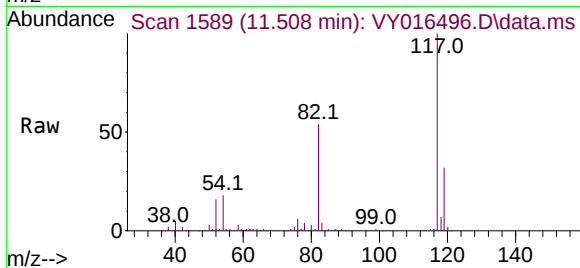
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Acq: 24 Nov 2023 19:46

Instrument :

MSVOA_Y

ClientSampleId :



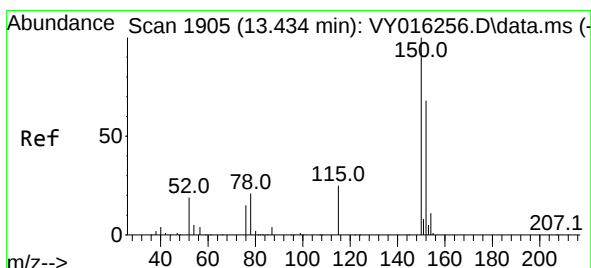
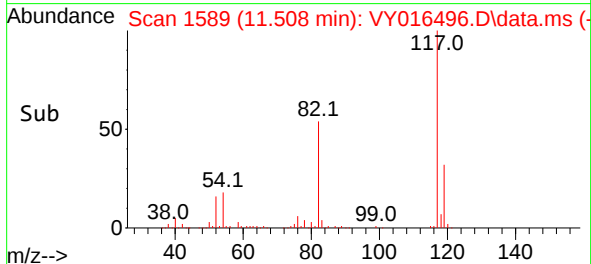
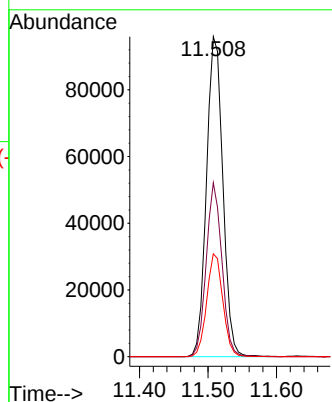
Tgt Ion:117 Resp: 159599

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016496.D

Acq: 24 Nov 2023 19:46

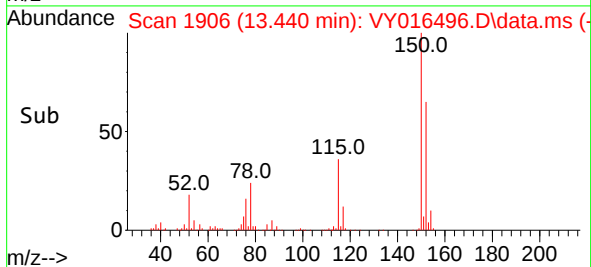
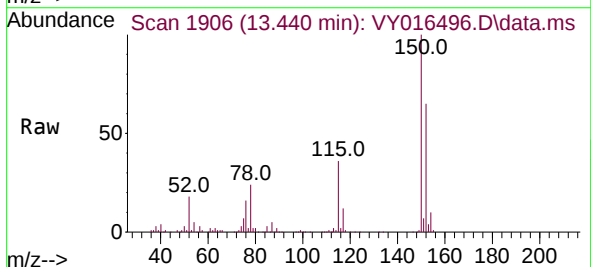
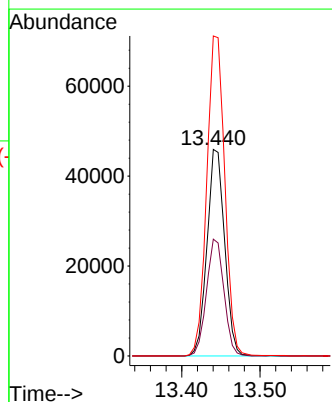
Tgt Ion:152 Resp: 71688

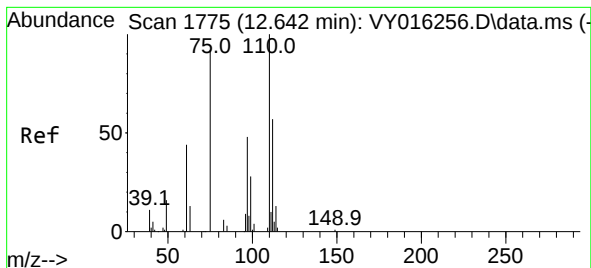
Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 158.3 0.0 348.8

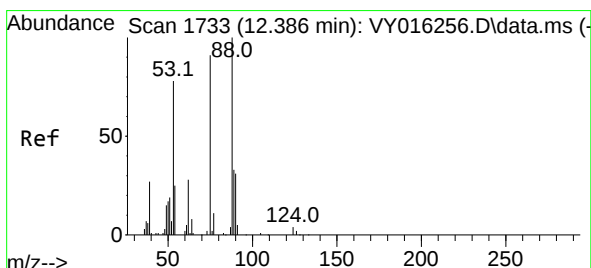
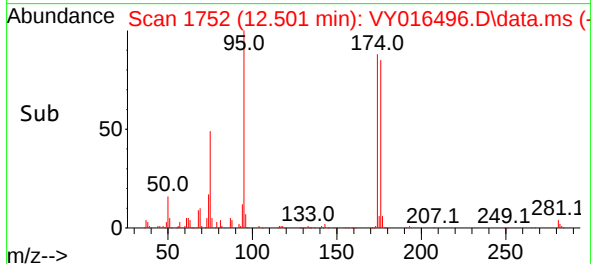
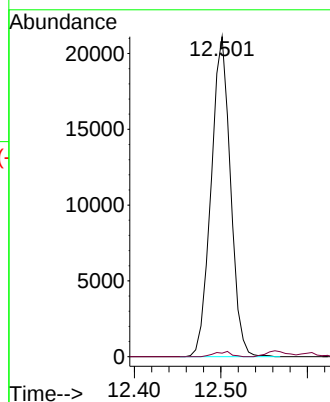
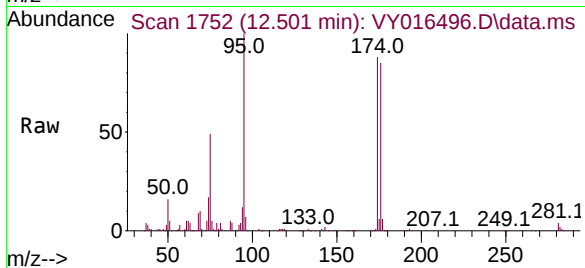




#76
1,2,3-Trichloropropane
Concen: 47.714 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32813
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.568 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016496.D
Acq: 24 Nov 2023 19:46

Tgt Ion: 75 Resp: 32813
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

