

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015596.D
 Acq On : 16 Sep 2023 02:46
 Operator : SY/MD
 Sample : 04419-08
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 16 05:28:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

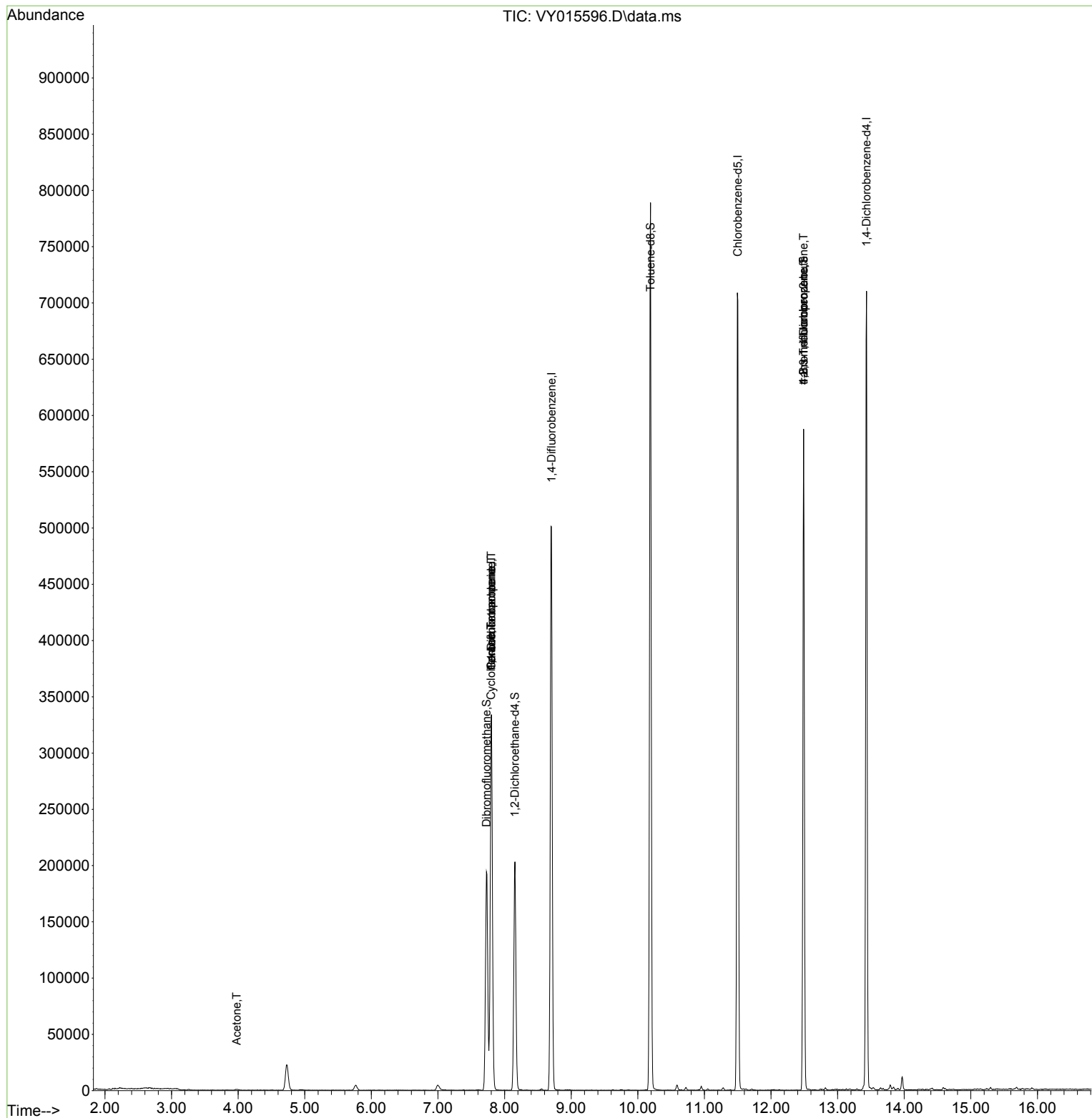
Internal Standards						
1) Pentafluorobenzene	7.801	168	258160	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	437324	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	395908	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	182082	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	157464	56.899	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.800%	
35) Dibromofluoromethane	7.728	113	138338	54.920	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.840%	
50) Toluene-d8	10.191	98	511708	56.097	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.200%	
62) 4-Bromofluorobenzene	12.489	95	170350	50.305	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	81	Below Cal	#	89
16) Acetone	3.979	43	1685	1.459	ug/l	95
20) Methylene Chloride	4.735	84	17276	Below Cal		89
31) Cyclohexane	7.795	56	5714	1.162	ug/l #	27
36) 1,1-Dichloropropene	7.801	75	19759	4.467	ug/l #	50
38) Carbon Tetrachloride	7.801	117	25413	5.563	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	92135	38.157	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	92135	84.171	ug/l #	10

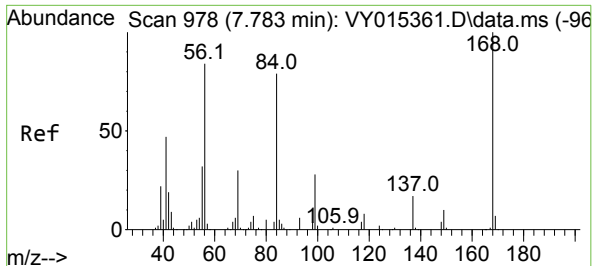
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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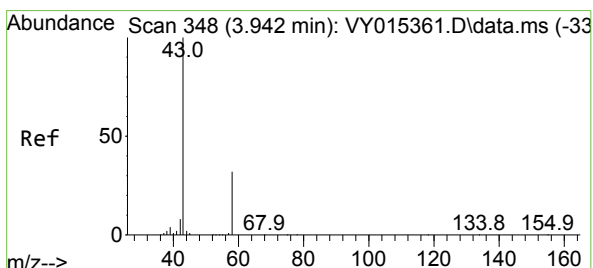
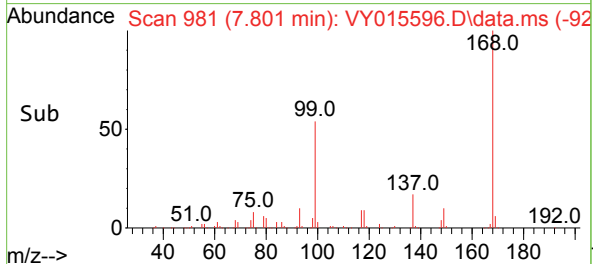
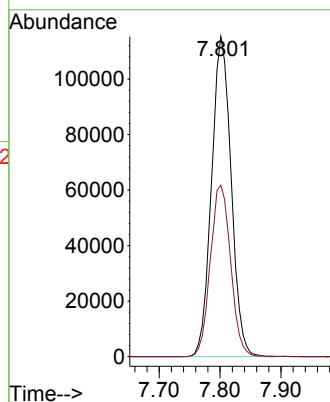
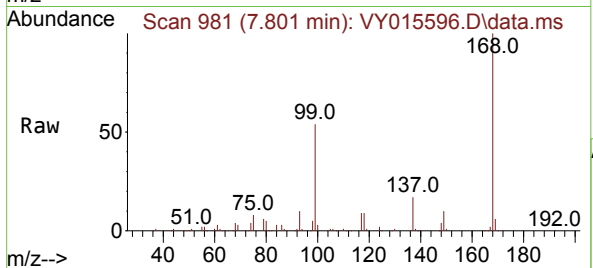




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015596.D
Acq: 16 Sep 2023 02:46

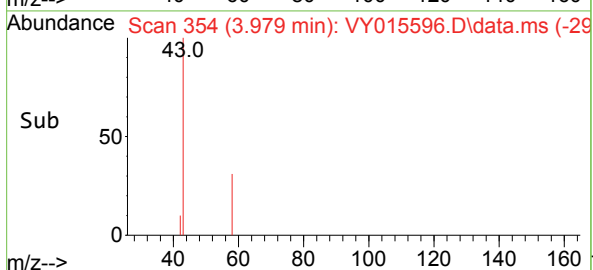
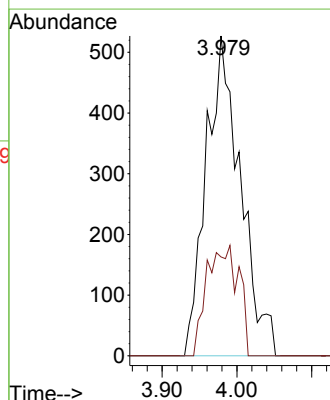
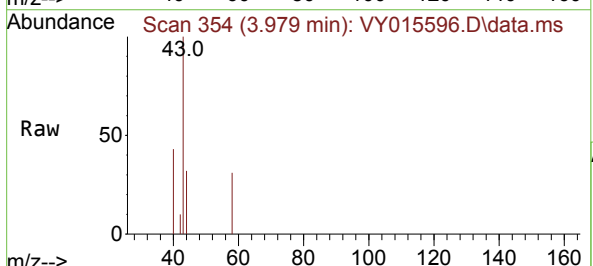
Instrument :
MSVOA_Y
ClientSampleId :

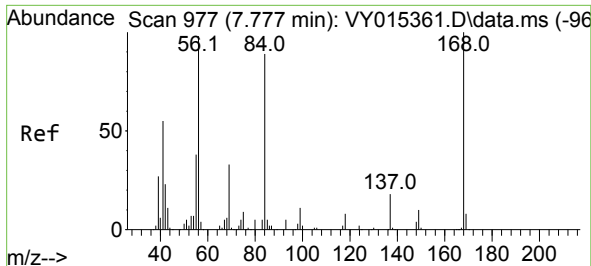
Tgt Ion:168 Resp: 258160
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#16
Acetone
Concen: 1.459 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.037 min
Lab File: VY015596.D
Acq: 16 Sep 2023 02:46

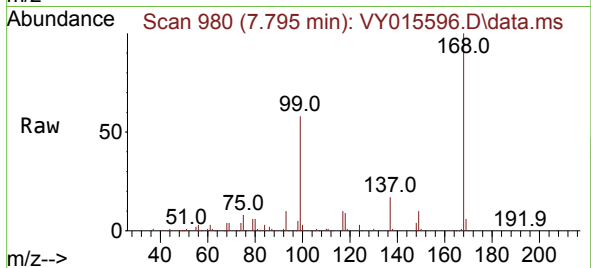
Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 30.9 22.7 34.1



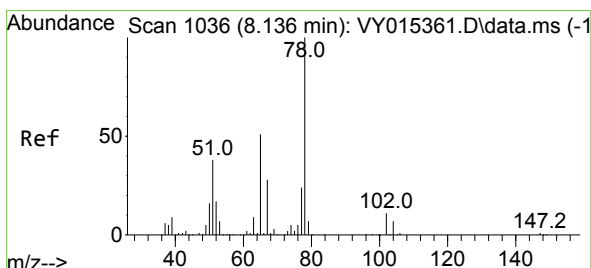
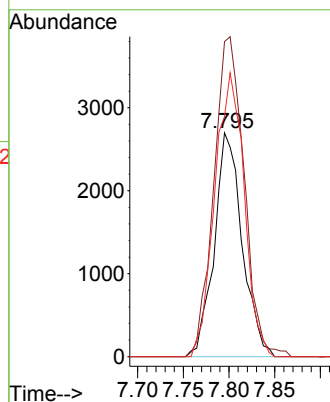
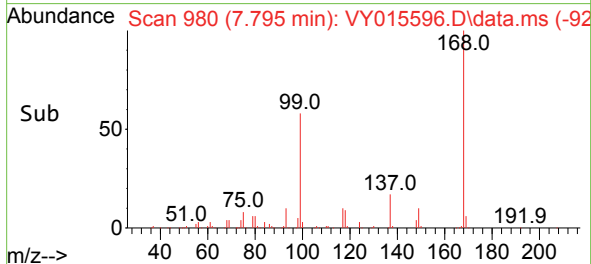


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015596.D
Acq: 16 Sep 2023 02:46

Instrument :
MSVOA_Y
ClientSampleId :

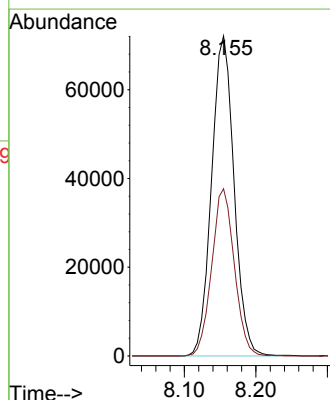
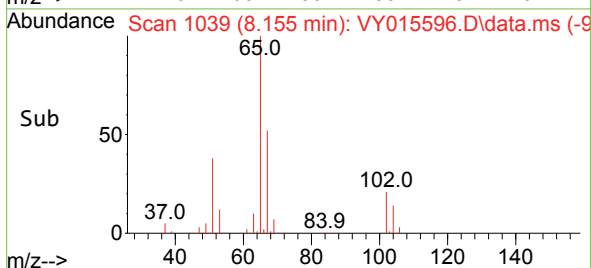
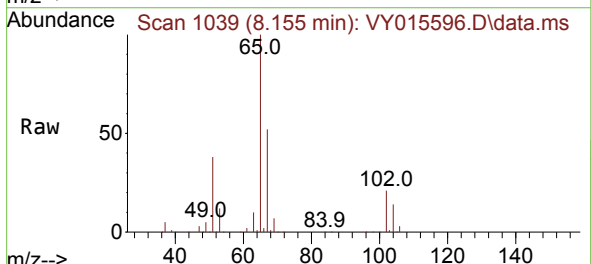


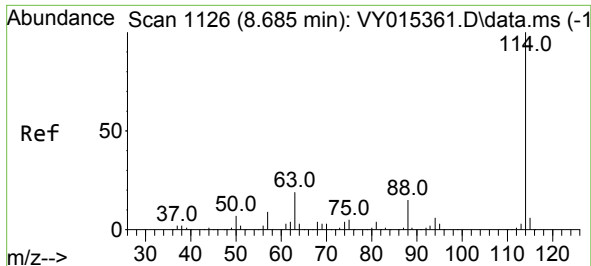
Tgt Ion: 56 Resp: 5714
Ion Ratio Lower Upper
56 100
69 140.8 27.8 41.6#
84 107.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.899 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.018 min
Lab File: VY015596.D
Acq: 16 Sep 2023 02:46

Tgt Ion: 65 Resp: 157464
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.018 min

Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

Instrument :

MSVOA_Y

ClientSampleId :

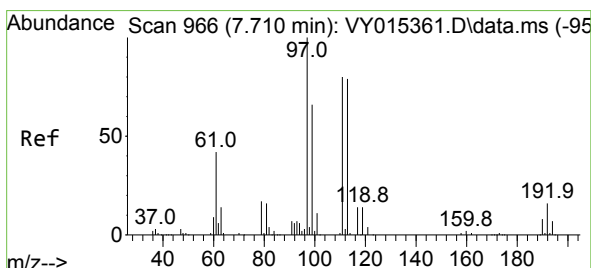
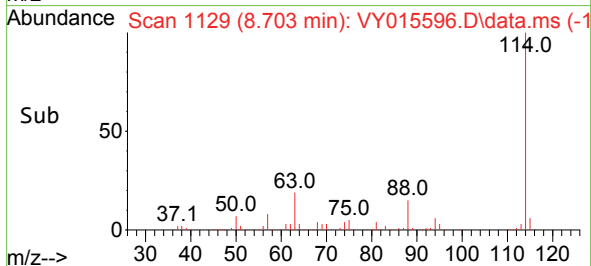
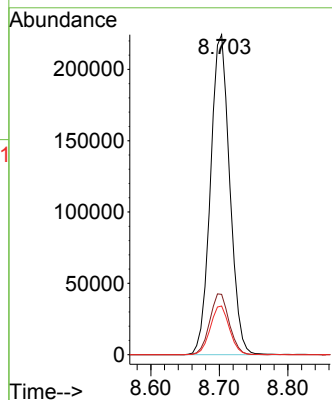
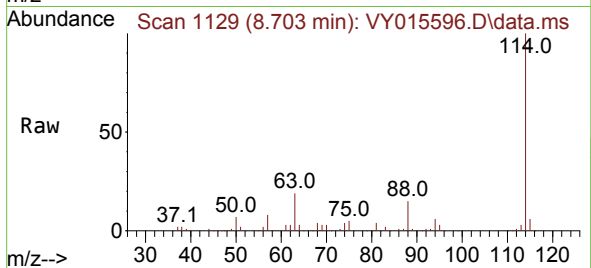
Tgt Ion:114 Resp: 437324

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.920 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

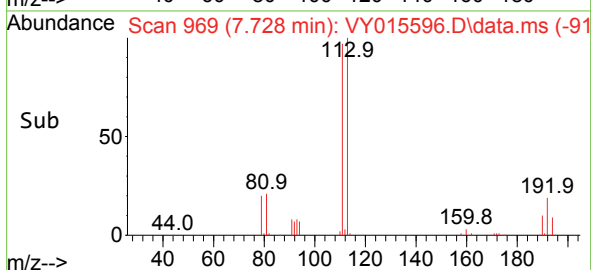
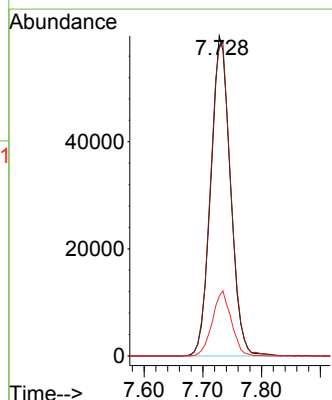
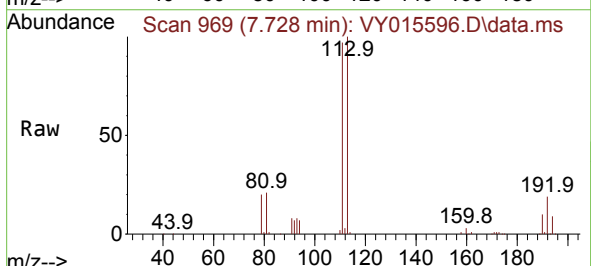
Tgt Ion:113 Resp: 138338

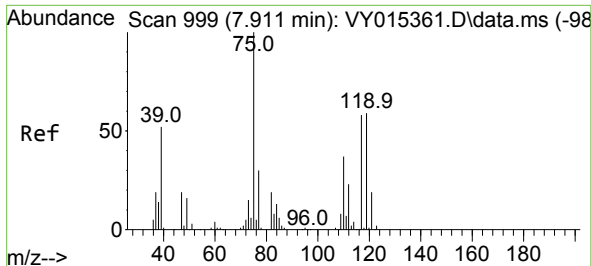
Ion Ratio Lower Upper

113 100

111 101.4 81.3 121.9

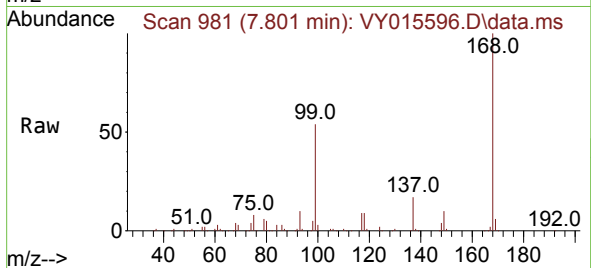
192 19.6 16.9 25.3



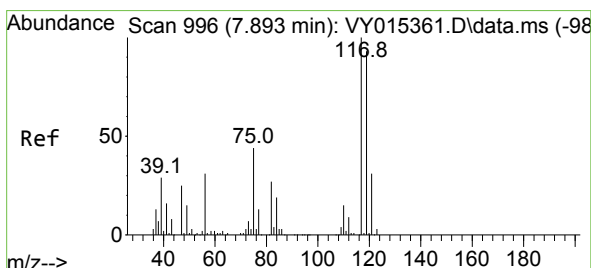
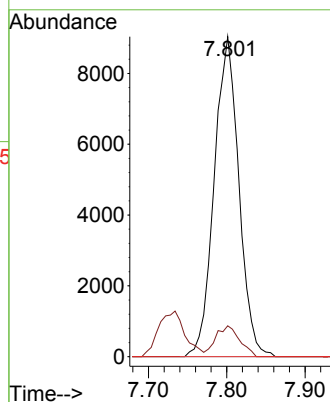
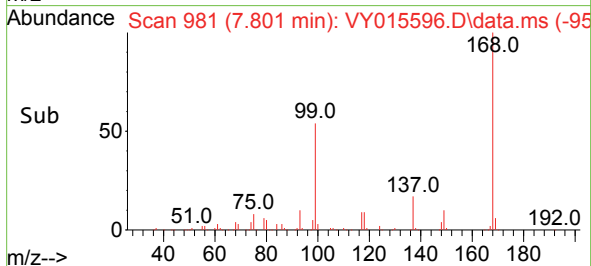


#36
 1,1-Dichloropropene
 Concen: 4.467 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.110 min
 Lab File: VY015596.D
 Acq: 16 Sep 2023 02:46

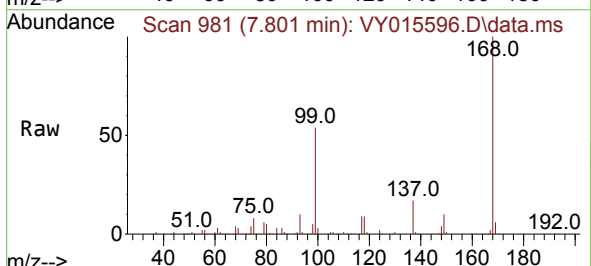
Instrument :
 MSVOA_Y
 ClientSampleId :



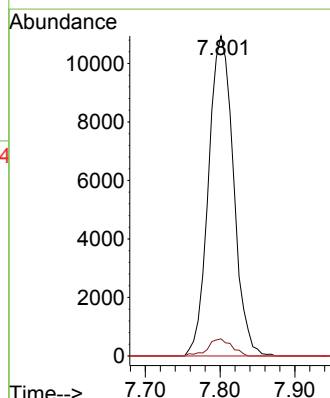
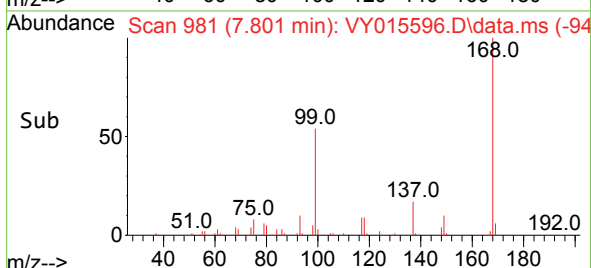
Tgt Ion: 75 Resp: 19759
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.8 53.5#
 77 0.0 24.4 36.6#

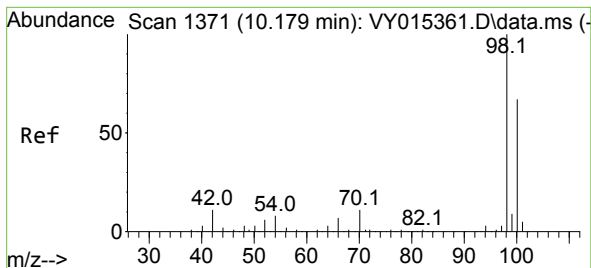


#38
 Carbon Tetrachloride
 Concen: 5.563 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.091 min
 Lab File: VY015596.D
 Acq: 16 Sep 2023 02:46



Tgt Ion: 117 Resp: 25413
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 56.097 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

Instrument :

MSVOA_Y

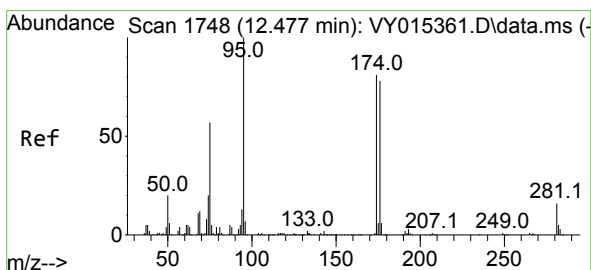
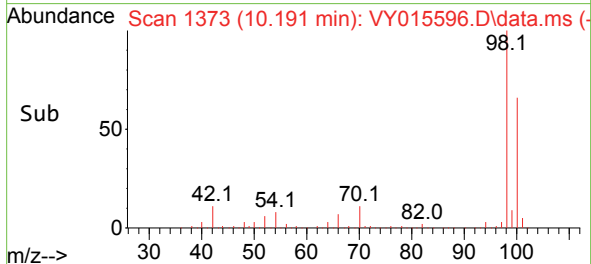
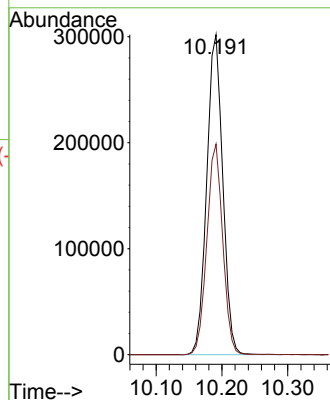
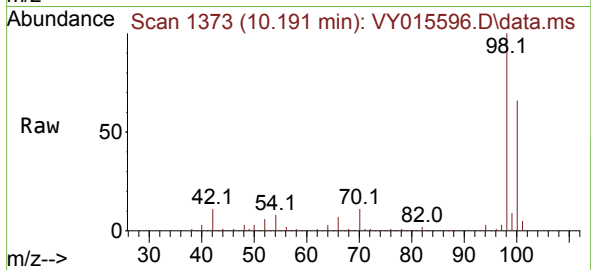
ClientSampleId :

Tgt Ion: 98 Resp: 511708

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.305 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

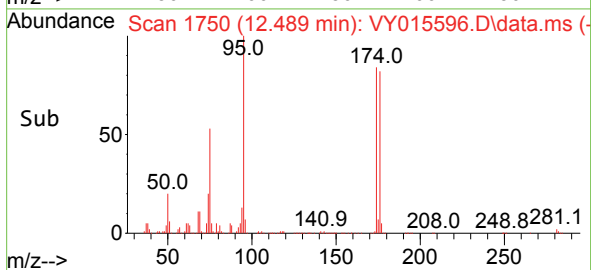
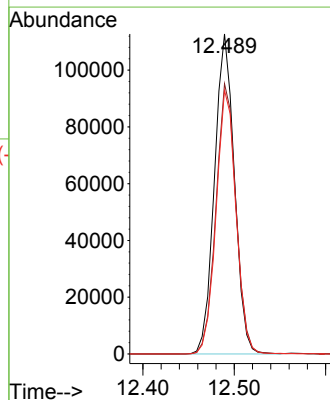
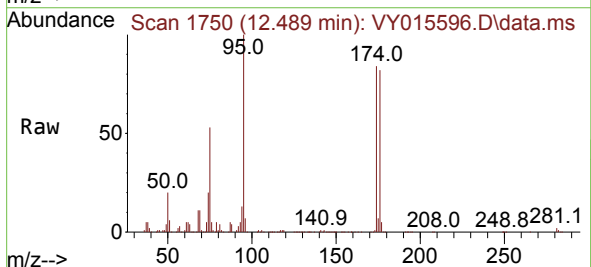
Tgt Ion: 95 Resp: 170350

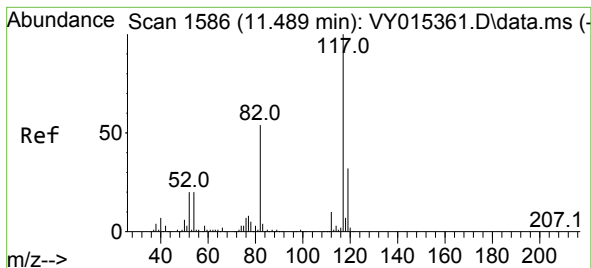
Ion Ratio Lower Upper

95 100

174 85.2 0.0 178.2

176 82.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.012 min

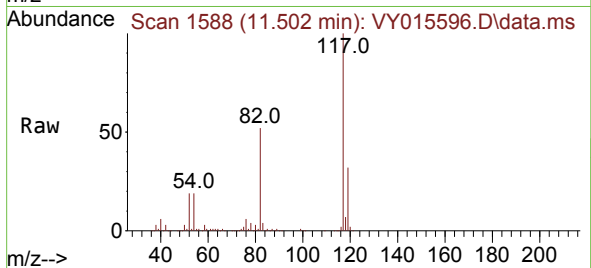
Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

Instrument :

MSVOA_Y

ClientSampleId :



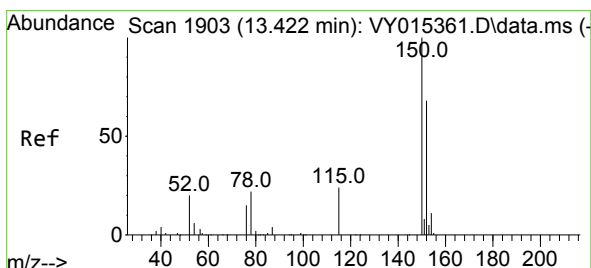
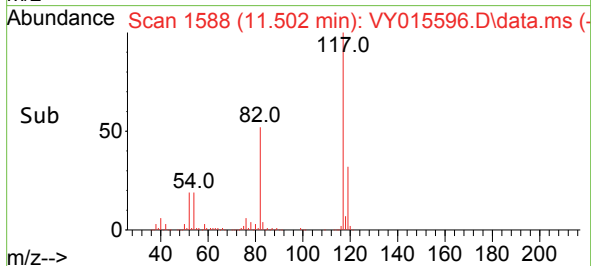
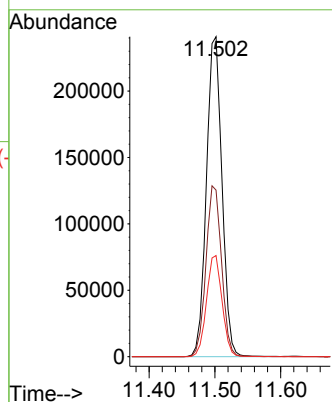
Tgt Ion:117 Resp: 395908

Ion Ratio Lower Upper

117 100

82 52.0 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

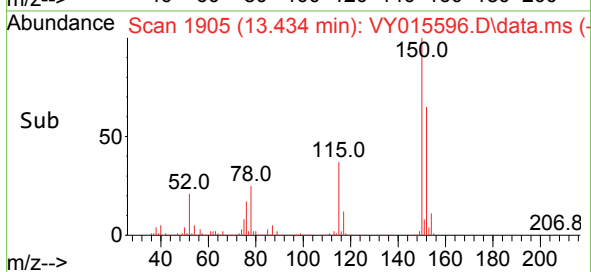
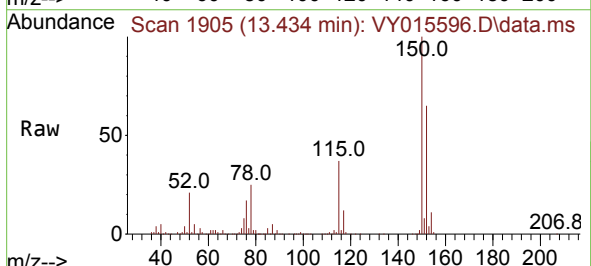
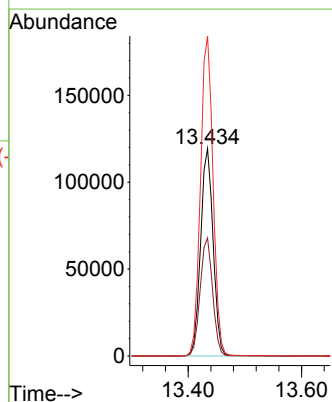
Tgt Ion:152 Resp: 182082

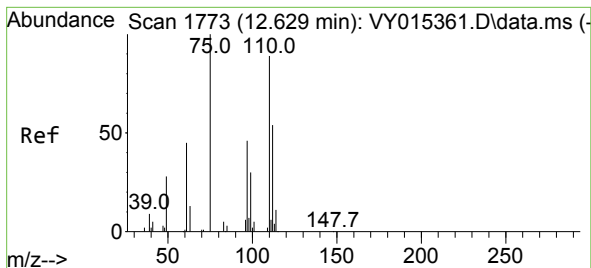
Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 155.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 38.157 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.140 min

Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

Instrument :

MSVOA_Y

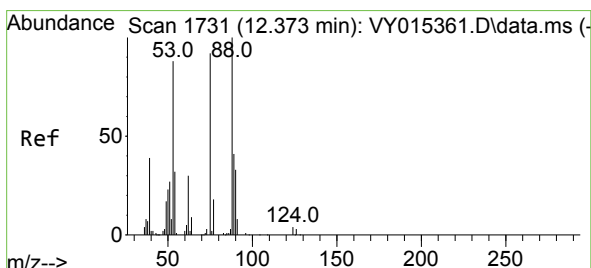
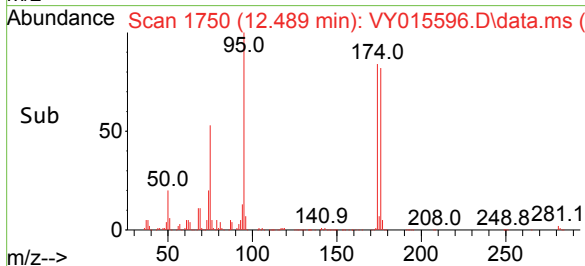
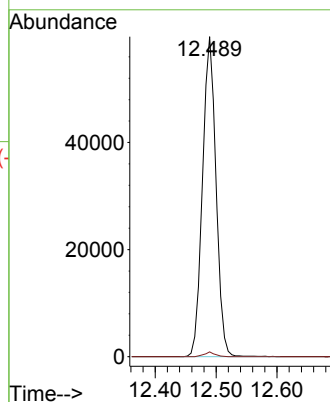
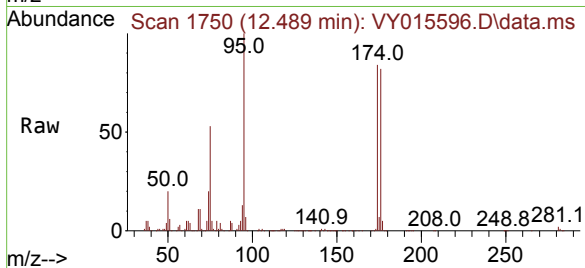
ClientSampleId :

Tgt Ion: 75 Resp: 92135

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.171 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.110 min

Lab File: VY015596.D

Acq: 16 Sep 2023 02:46

Tgt Ion: 75 Resp: 92135

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

