

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015730.D
 Acq On : 27 Sep 2023 17:31
 Operator : SY/MD
 Sample : 04627-09
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 00:48:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

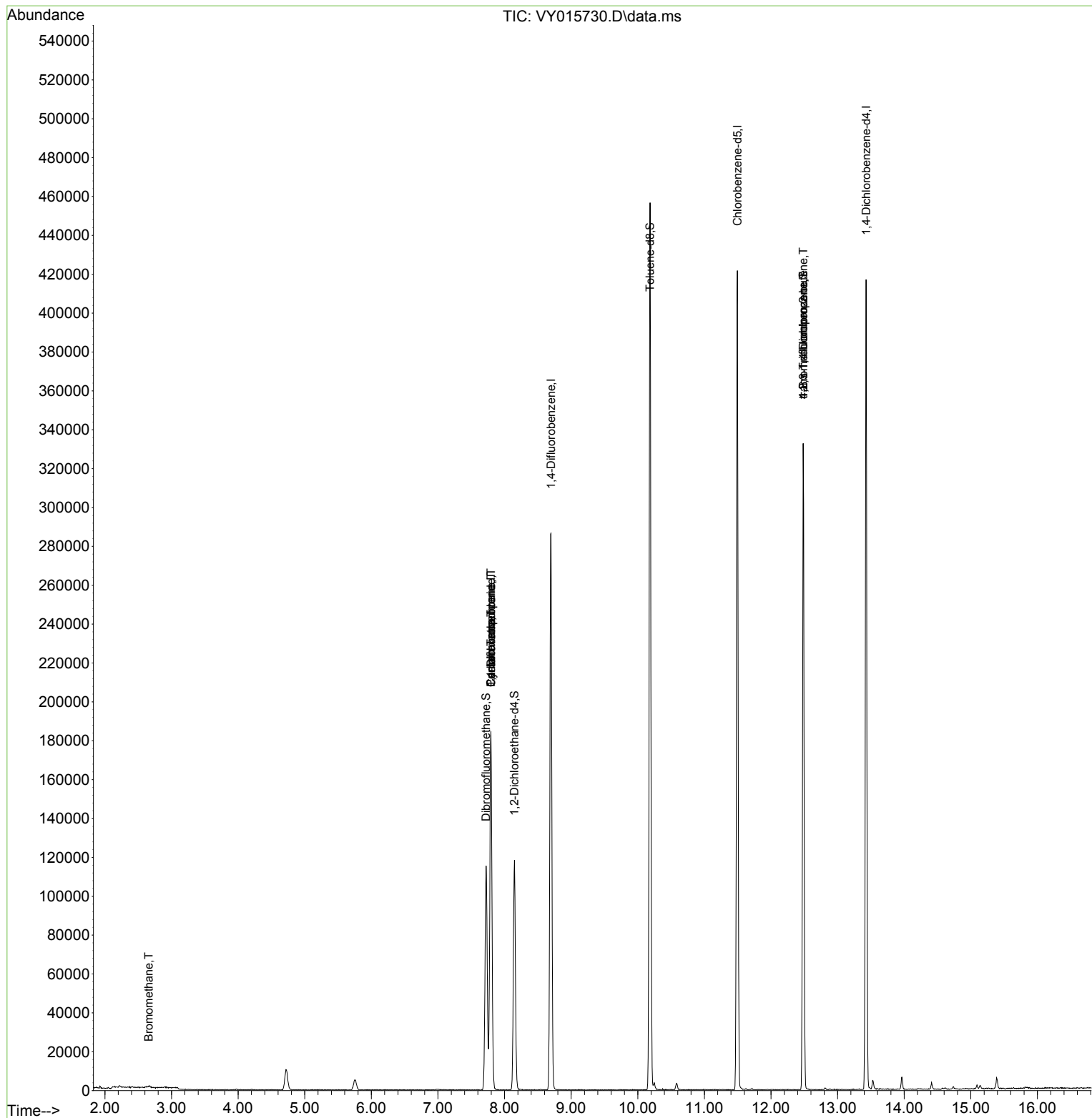
Internal Standards						
1) Pentafluorobenzene	7.795	168	144210	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	250461	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	228354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	90377	56.959	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.920%	
35) Dibromofluoromethane	7.722	113	80680	53.819	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.640%	
50) Toluene-d8	10.185	98	296507	58.334	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.660%	
62) 4-Bromofluorobenzene	12.483	95	97484	48.871	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.740%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	131	2.648	ug/l	96
11) Tert butyl alcohol	5.003	59	19	Below Cal	#	89
20) Methylene Chloride	4.716	84	8046	Below Cal		90
31) Cyclohexane	7.795	56	2986	1.358	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	11240	5.071	ug/l #	50
38) Carbon Tetrachloride	7.795	117	14632	6.082	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	52521	31.520	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52521	70.979	ug/l #	11

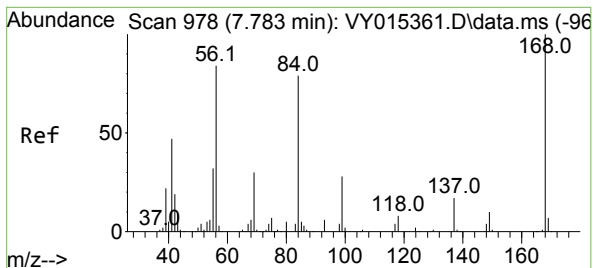
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY015730.D

Acq: 27 Sep 2023 17:31

Instrument :

MSVOA_Y

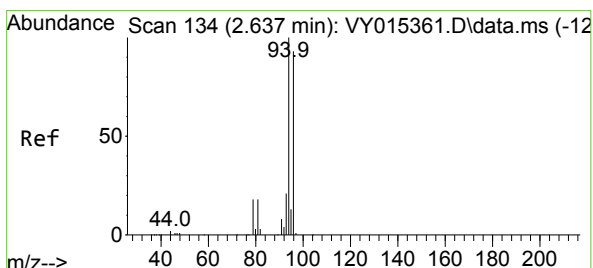
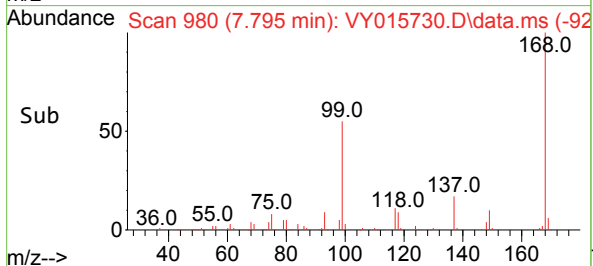
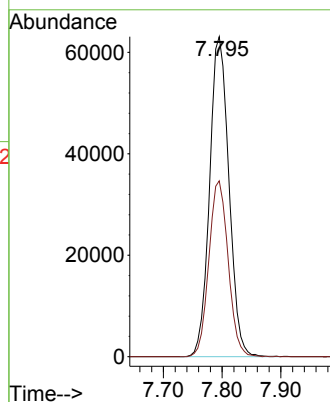
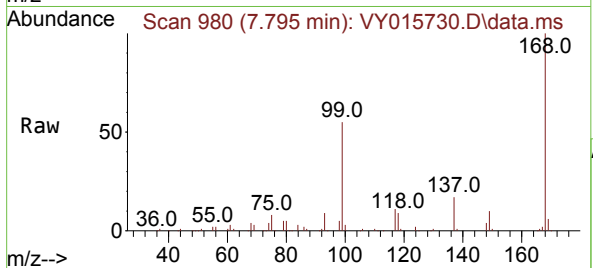
ClientSampleId :

Tgt Ion:168 Resp: 144210

Ion Ratio Lower Upper

168 100

99 55.0 43.4 65.0



#5

Bromomethane

Concen: 2.648 ug/l

RT: 2.656 min Scan# 137

Delta R.T. 0.019 min

Lab File: VY015730.D

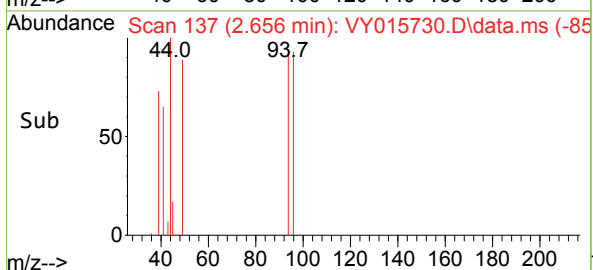
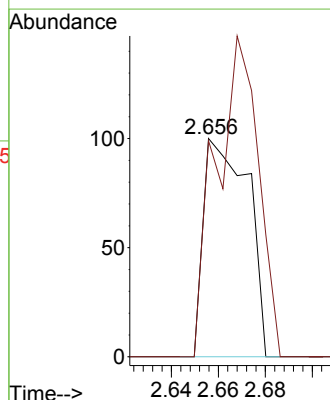
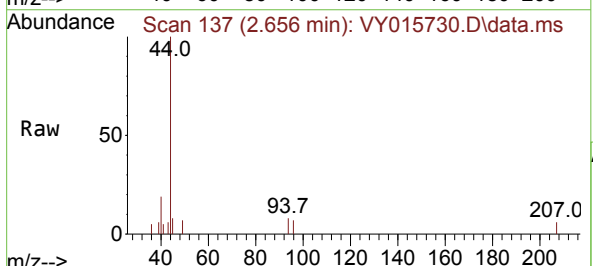
Acq: 27 Sep 2023 17:31

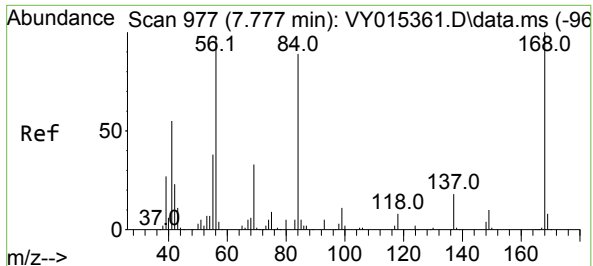
Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

94 100

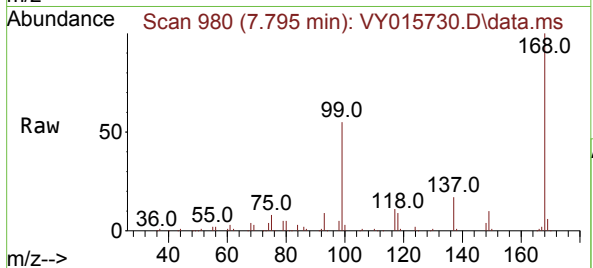
96 99.0 75.8 113.6



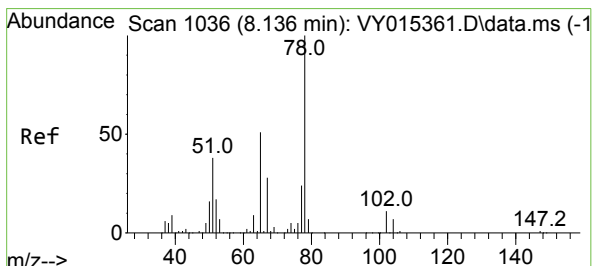
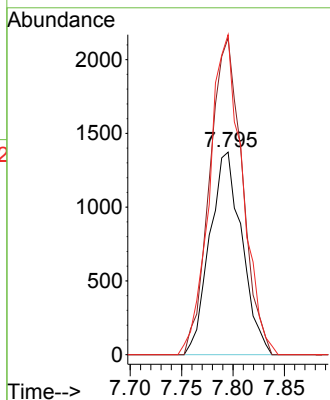
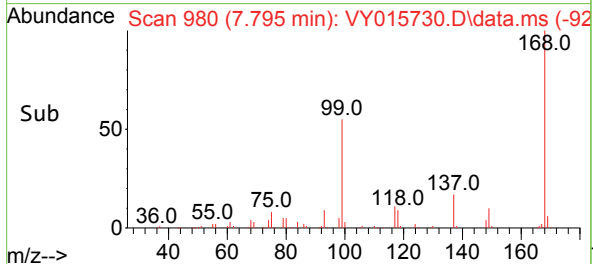


#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015730.D
Acq: 27 Sep 2023 17:31

Instrument :
MSVOA_Y
ClientSampleId :

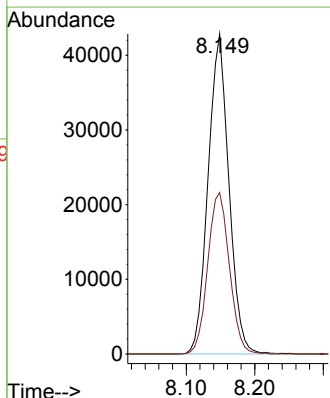
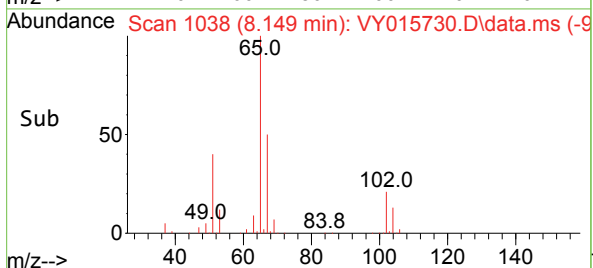
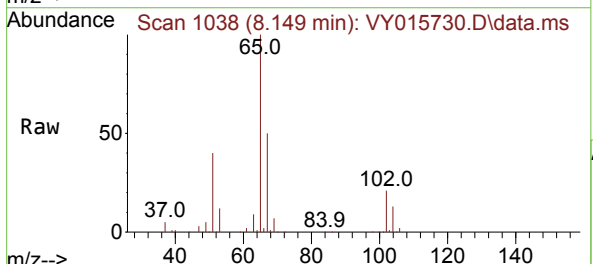


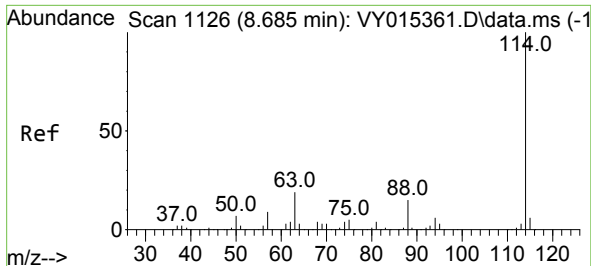
Tgt Ion: 56 Resp: 2986
Ion Ratio Lower Upper
56 100
69 156.3 27.8 41.6#
84 158.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.959 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015730.D
Acq: 27 Sep 2023 17:31

Tgt Ion: 65 Resp: 90377
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015730.D

Acq: 27 Sep 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

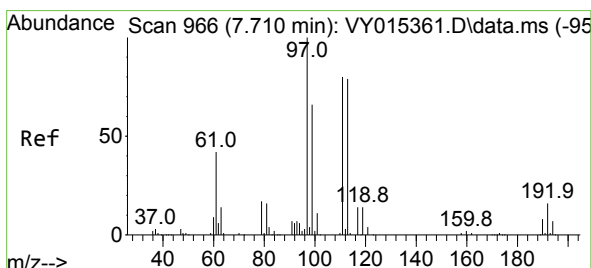
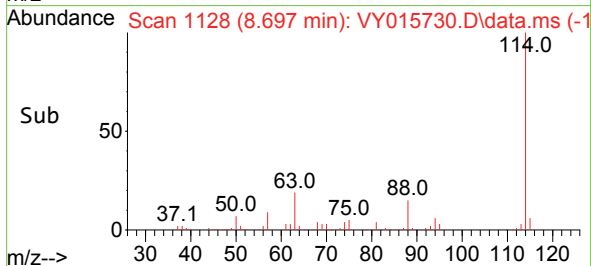
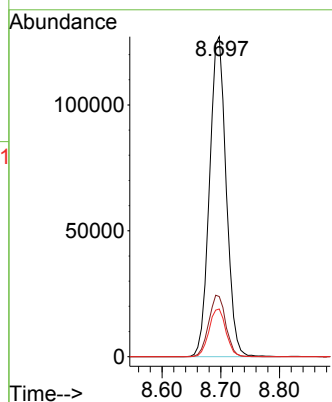
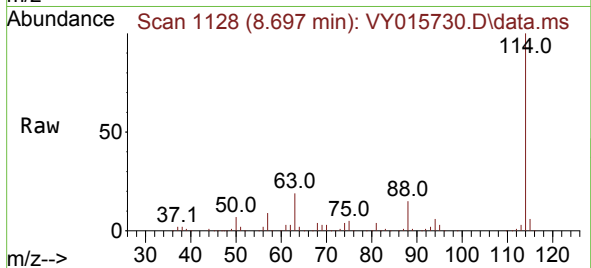
Tgt Ion:114 Resp: 250461

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.819 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015730.D

Acq: 27 Sep 2023 17:31

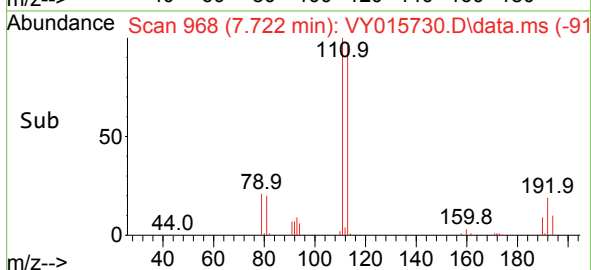
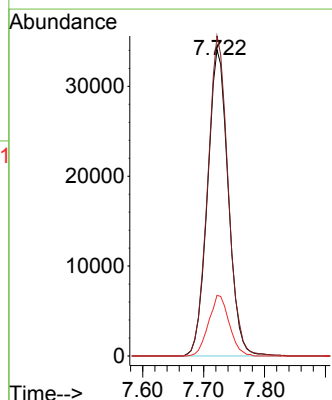
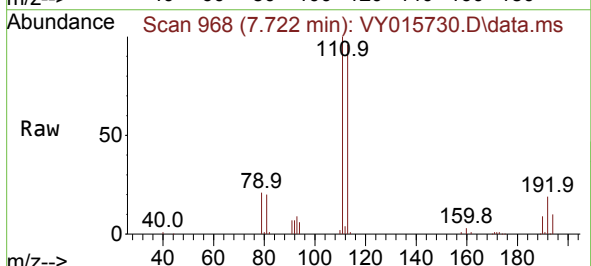
Tgt Ion:113 Resp: 80680

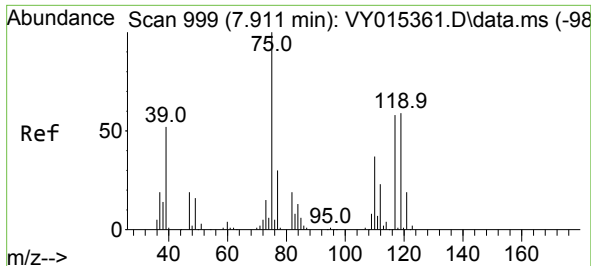
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 19.7 16.9 25.3

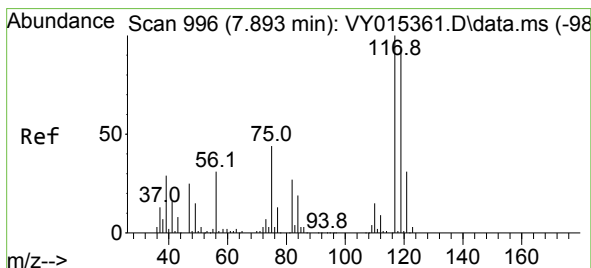
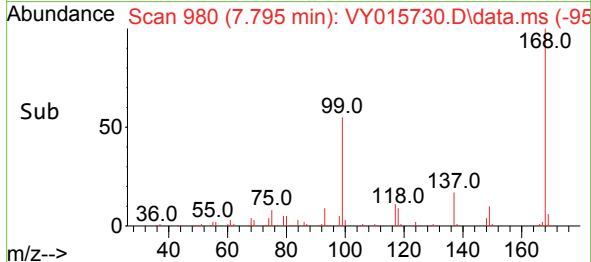
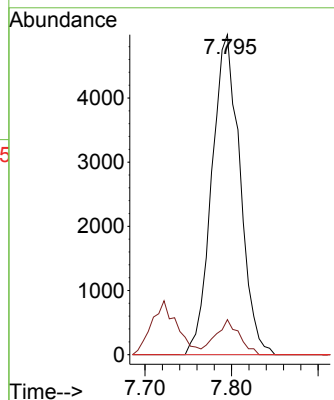
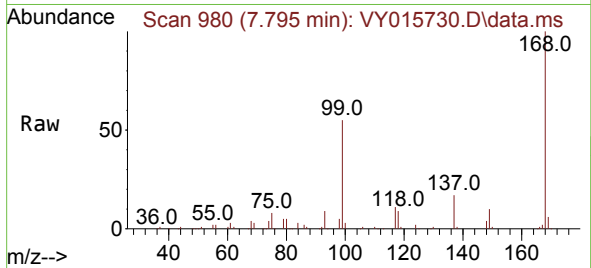




#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015730.D
Acq: 27 Sep 2023 17:31

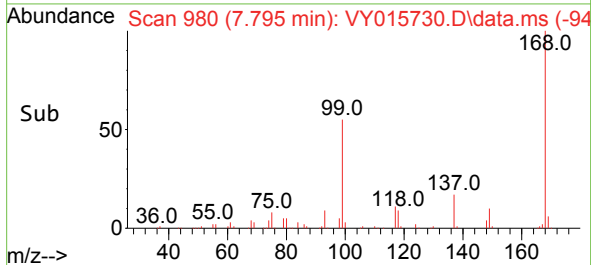
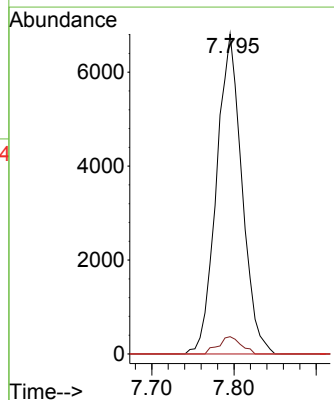
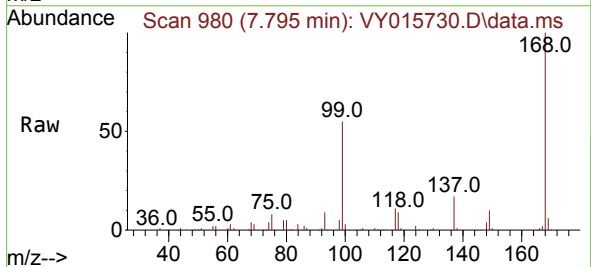
Instrument :
MSVOA_Y
ClientSampleId :

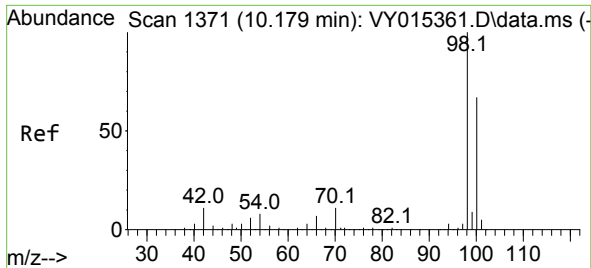
Tgt Ion: 75 Resp: 11240
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.082 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.098 min
Lab File: VY015730.D
Acq: 27 Sep 2023 17:31

Tgt Ion: 117 Resp: 14632
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#

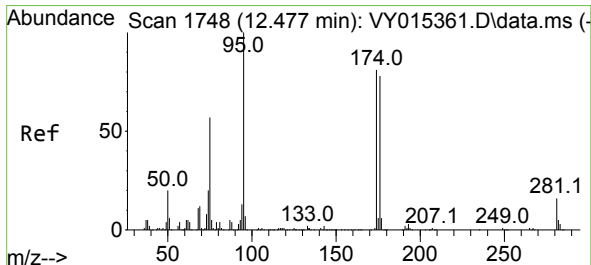
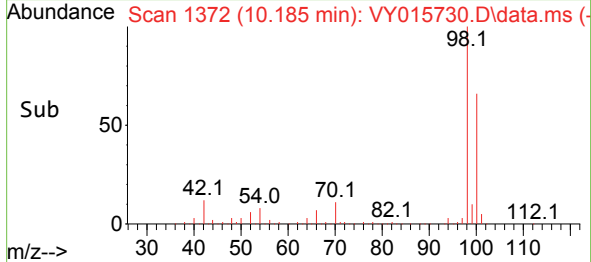
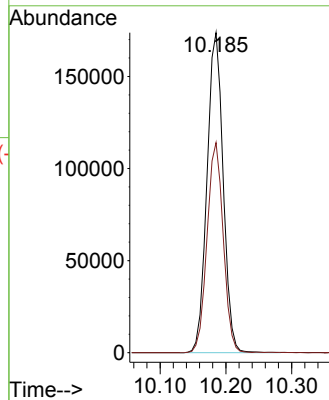
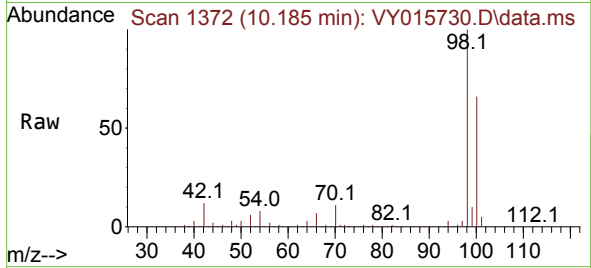




#50
Toluene-d8
Concen: 58.334 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015730.D
Acq: 27 Sep 2023 17:31

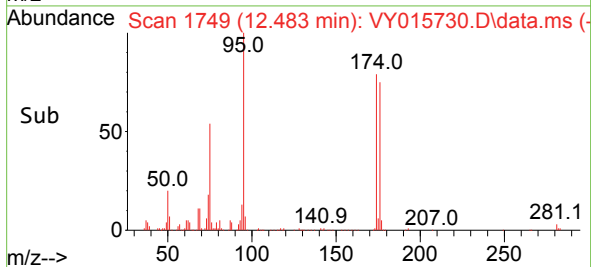
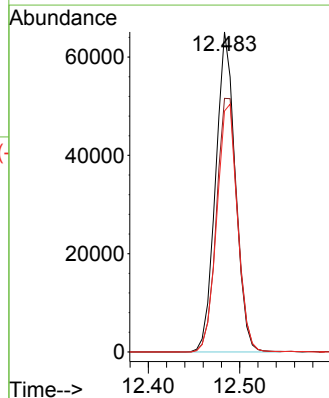
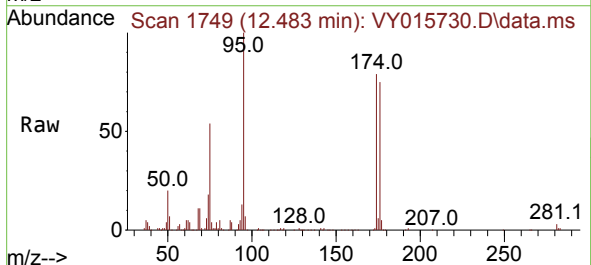
Instrument :
MSVOA_Y
ClientSampleId :

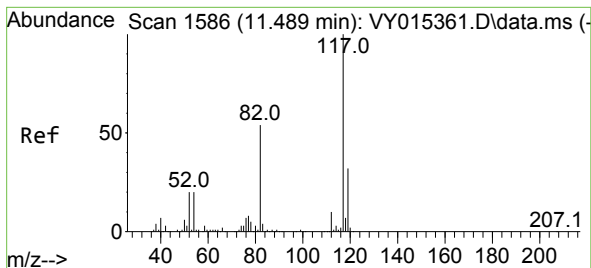
Tgt Ion: 98 Resp: 296507
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.871 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015730.D
Acq: 27 Sep 2023 17:31

Tgt Ion: 95 Resp: 97484
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 81.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY015730.D

Acq: 27 Sep 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

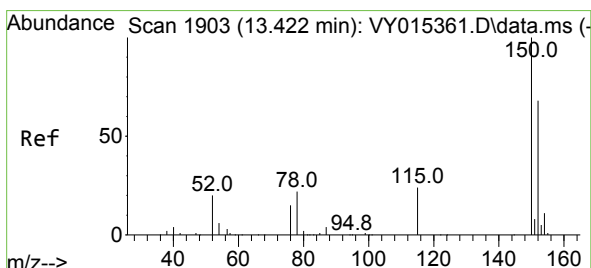
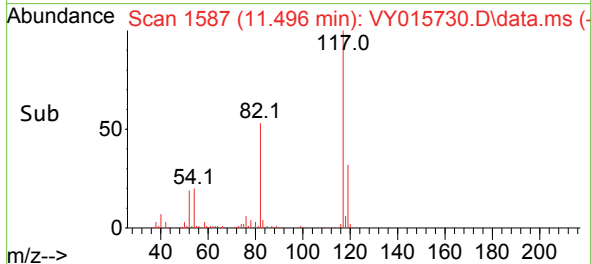
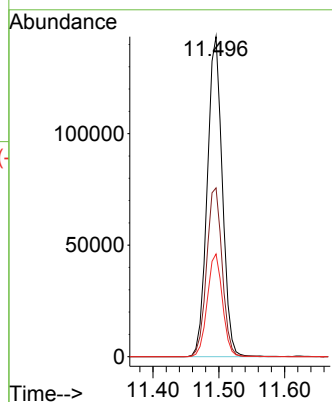
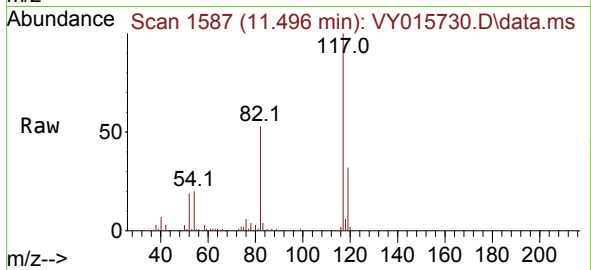
Tgt Ion:117 Resp: 228354

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015730.D

Acq: 27 Sep 2023 17:31

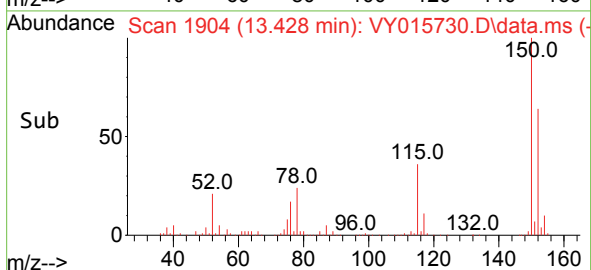
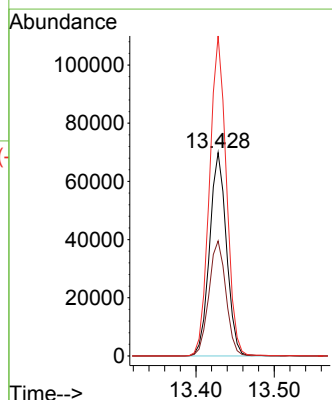
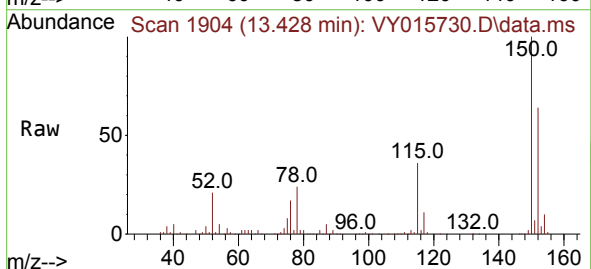
Tgt Ion:152 Resp: 104448

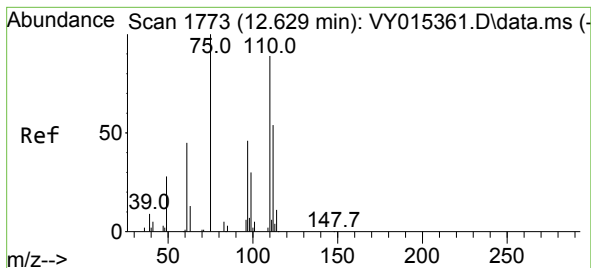
Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 157.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 31.520 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015730.D

Acq: 27 Sep 2023 17:31

Instrument :

MSVOA_Y

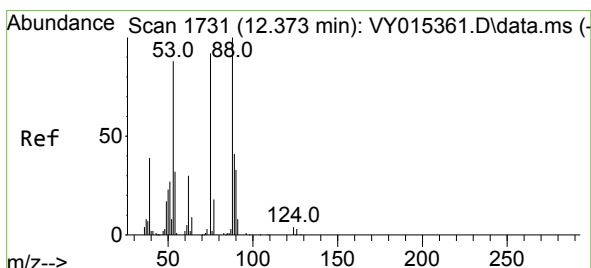
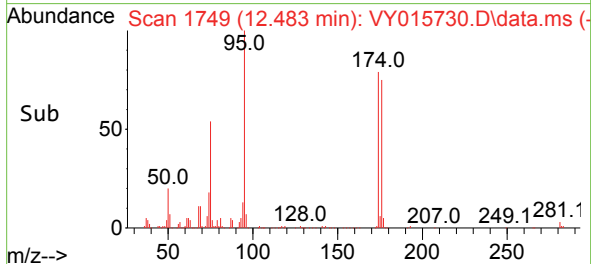
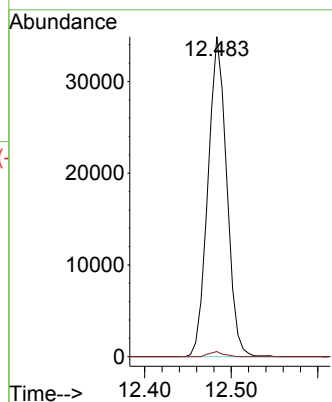
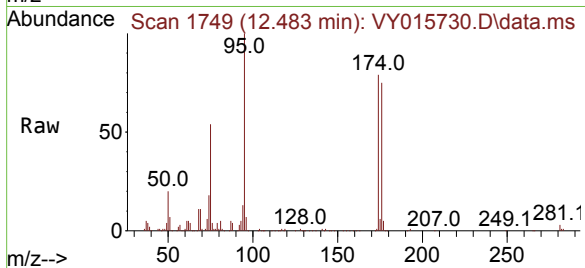
ClientSampleId :

Tgt Ion: 75 Resp: 52521

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.979 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015730.D

Acq: 27 Sep 2023 17:31

Tgt Ion: 75 Resp: 52521

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

