

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015762.D
 Acq On : 29 Sep 2023 18:39
 Operator : SY/MD
 Sample : 04642-01
 Misc : 5.4g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 01:16:23 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)

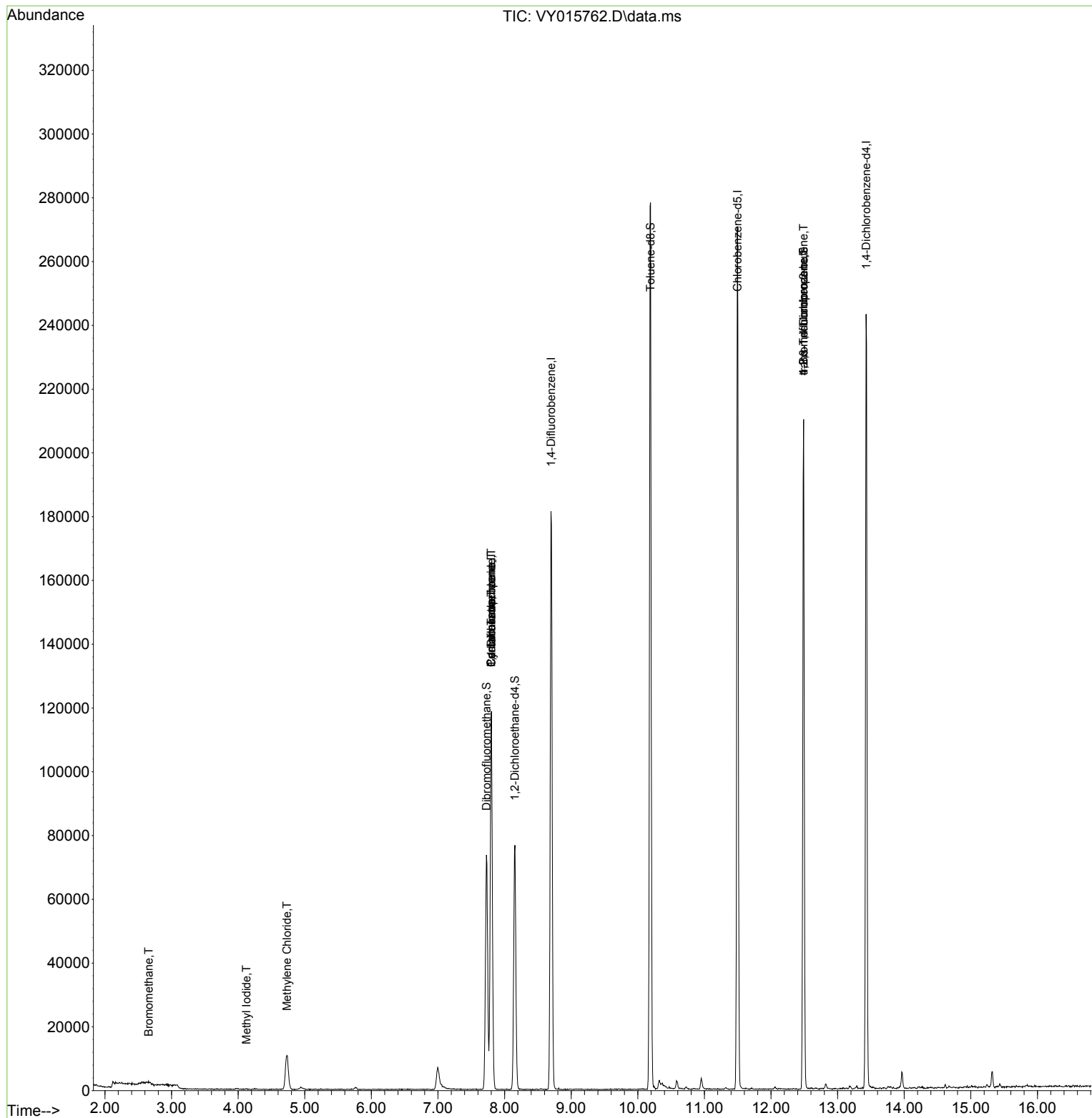
Internal Standards						
1) Pentafluorobenzene	7.801	168	89878	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	156779	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	145704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	60992	61.676	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.360%	
35) Dibromofluoromethane	7.728	113	52251	55.682	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.360%	
50) Toluene-d8	10.191	98	186470	58.607	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.220%	
62) 4-Bromofluorobenzene	12.489	95	60467	48.428	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.655	94	151	2.726	ug/l #	31
10) Methyl Iodide	4.125	142	232	2.937	ug/l #	38
11) Tert butyl alcohol	4.935	59	688	Below Cal	#	89
20) Methylene Chloride	4.734	84	8388	2.654	ug/l	93
31) Cyclohexane	7.801	56	1907	1.392	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	7209	5.196	ug/l #	44
38) Carbon Tetrachloride	7.801	117	8885	5.900	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	32481	32.634	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	32481	73.489	ug/l #	11

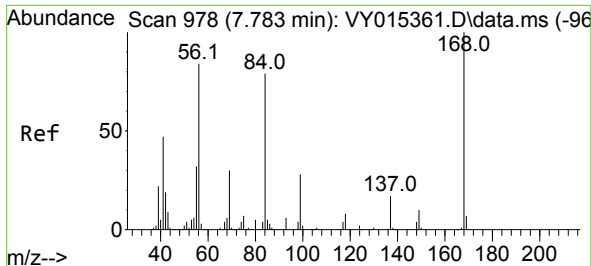
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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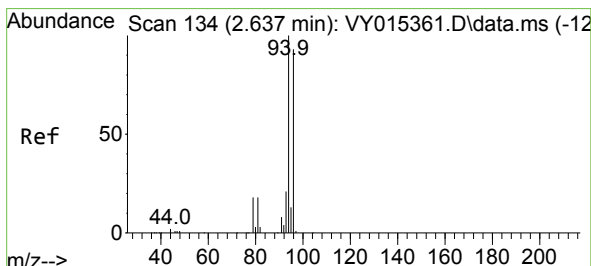
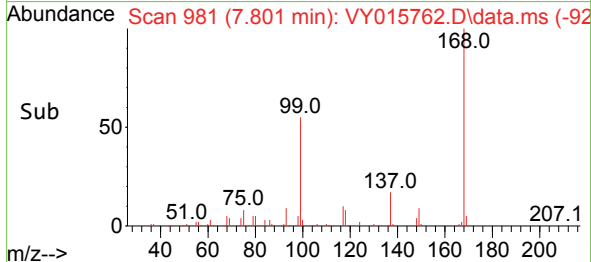
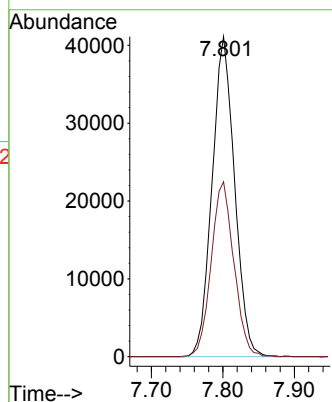
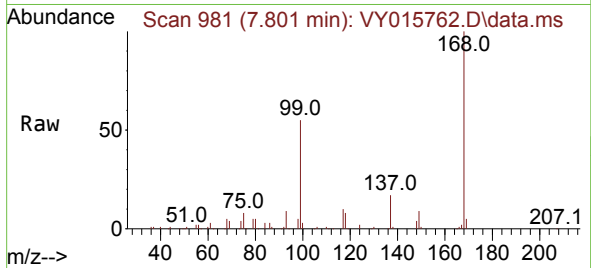




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

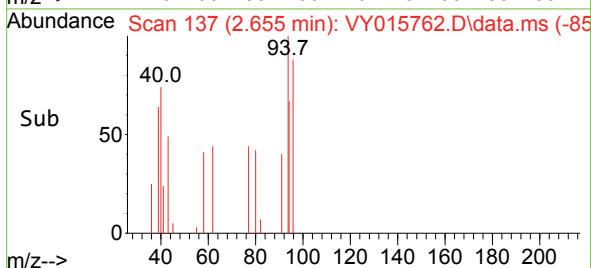
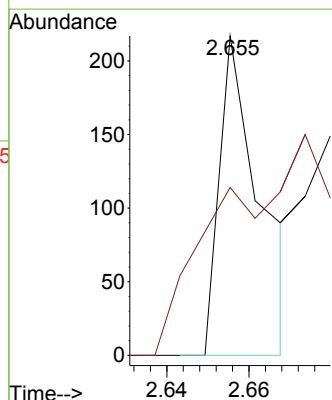
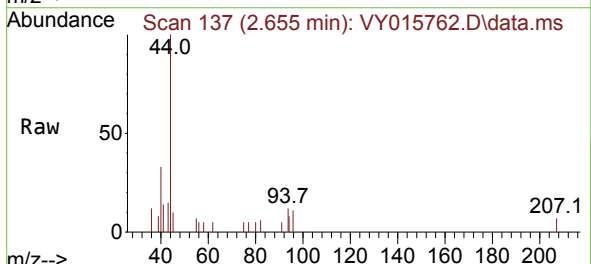
Instrument :
MSVOA_Y
ClientSampleId :

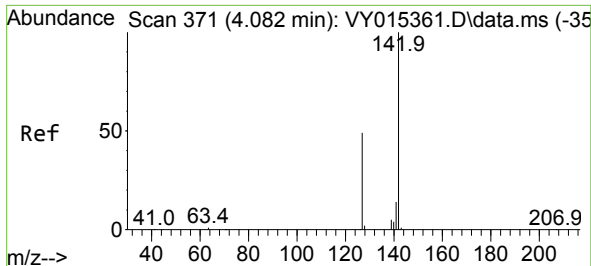
Tgt Ion:168 Resp: 89878
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#5
Bromomethane
Concen: 2.726 ug/l
RT: 2.655 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

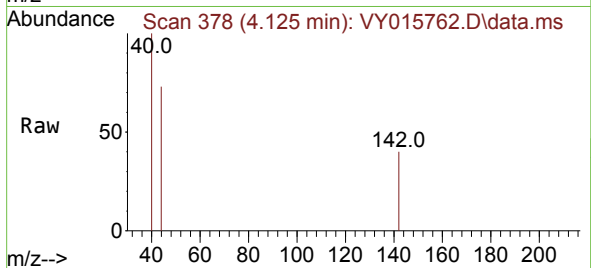
Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 27.6 75.8 113.6#



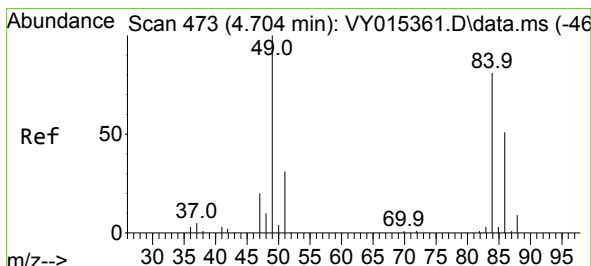
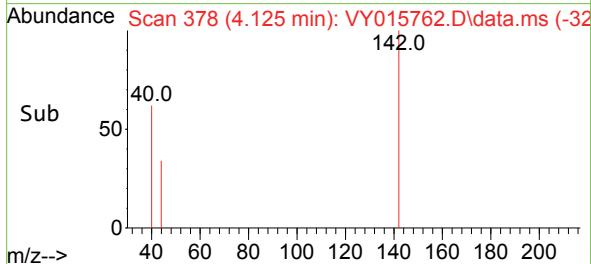
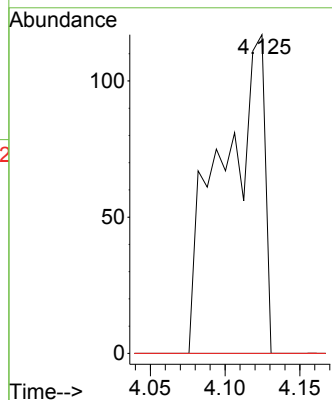


#10
Methyl Iodide
Concen: 2.937 ug/l
RT: 4.125 min Scan# 31
Delta R.T. 0.043 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :

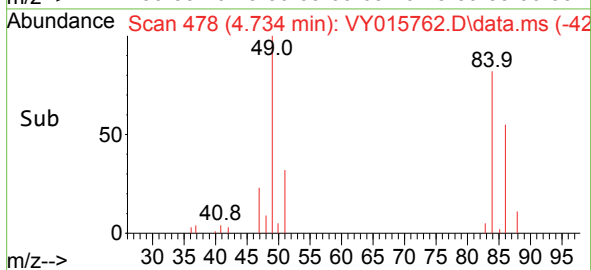
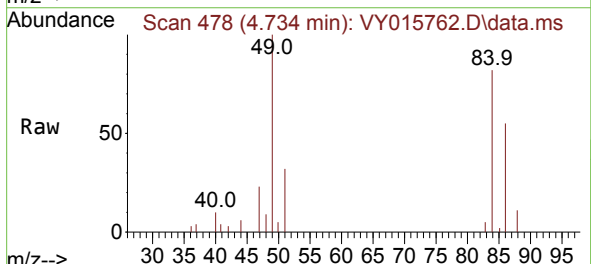
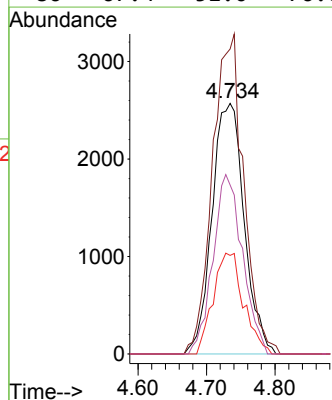


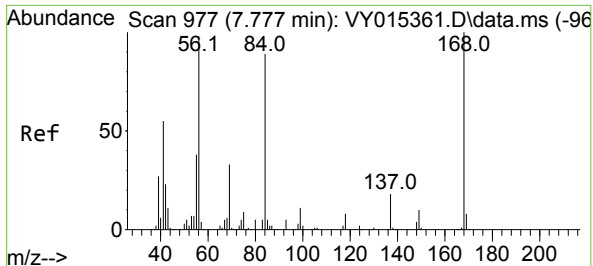
Tgt Ion:142 Resp: 232
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 2.654 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.030 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

Tgt Ion: 84 Resp: 8388
Ion Ratio Lower Upper
84 100
49 121.7 106.9 160.3
51 39.3 33.2 49.8
86 67.4 51.0 76.6

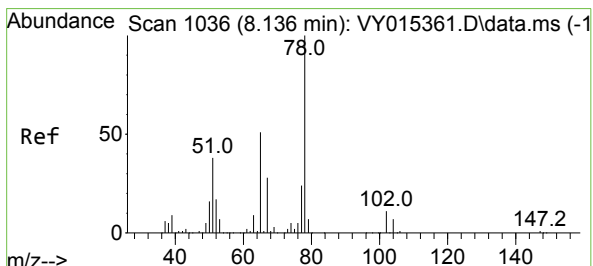
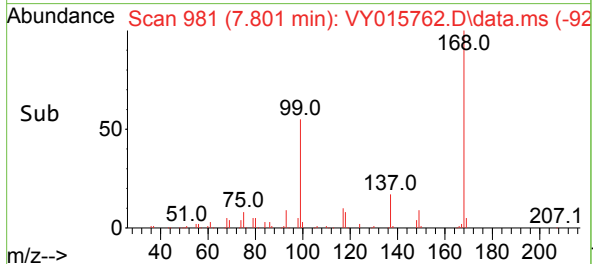
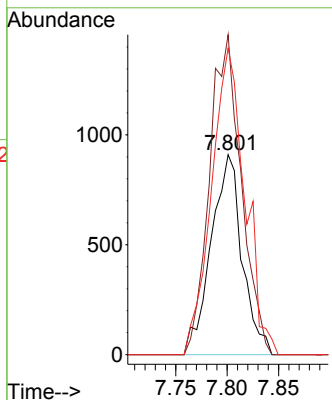
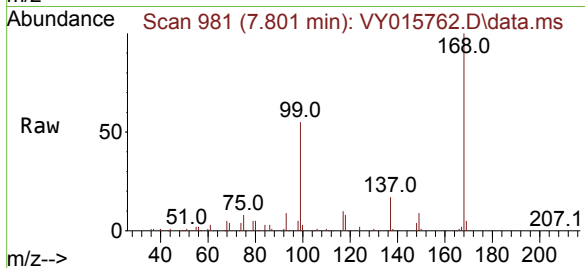




#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

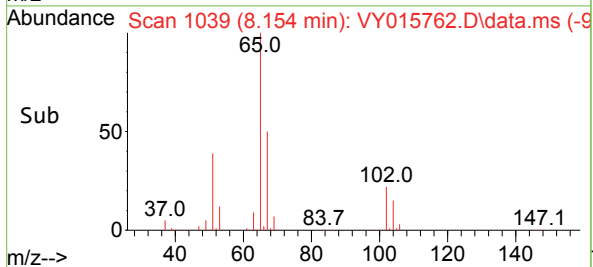
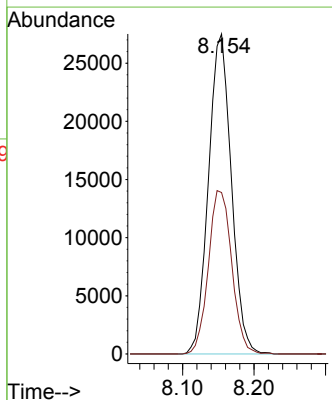
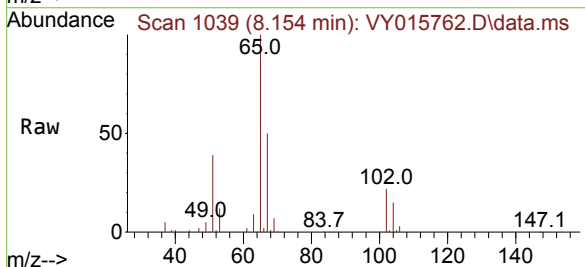
Instrument :
MSVOA_Y
ClientSampleId :

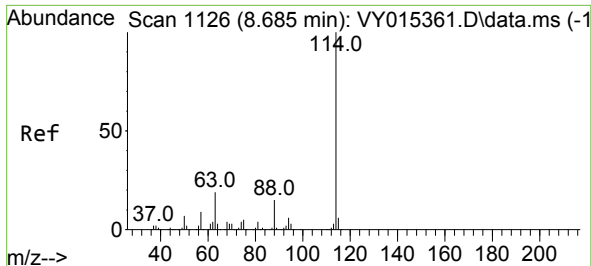
Tgt Ion: 56 Resp: 1907
Ion Ratio Lower Upper
56 100
69 160.0 27.8 41.6#
84 153.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.676 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.018 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

Tgt Ion: 65 Resp: 60992
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY015762.D

Acq: 29 Sep 2023 18:39

Instrument :

MSVOA_Y

ClientSampleId :

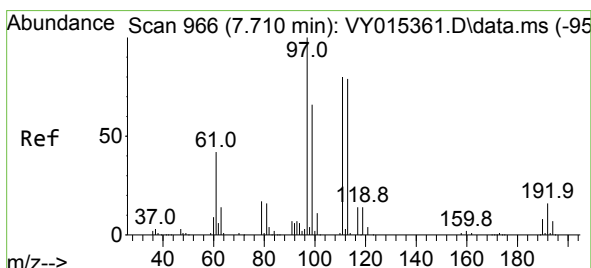
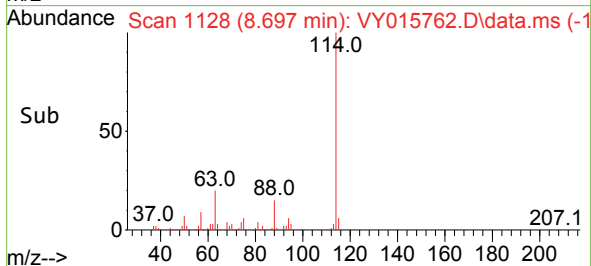
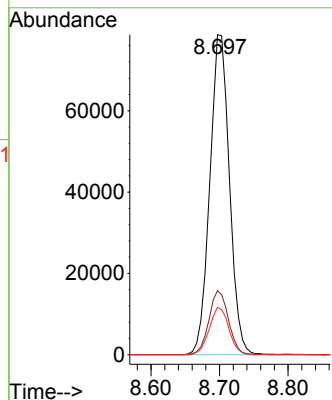
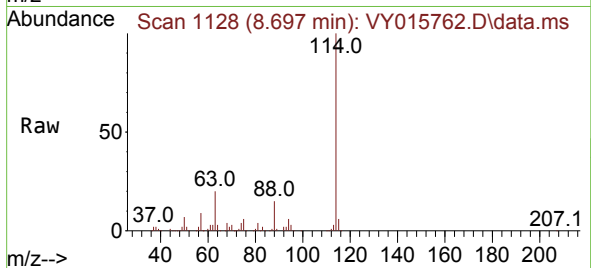
Tgt Ion:114 Resp: 156779

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.682 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015762.D

Acq: 29 Sep 2023 18:39

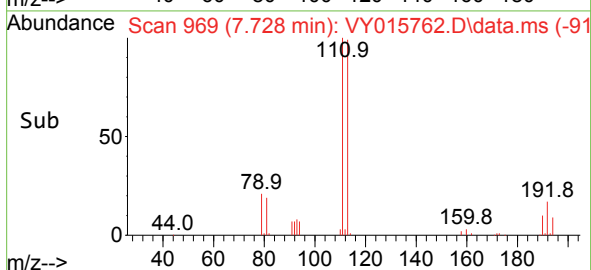
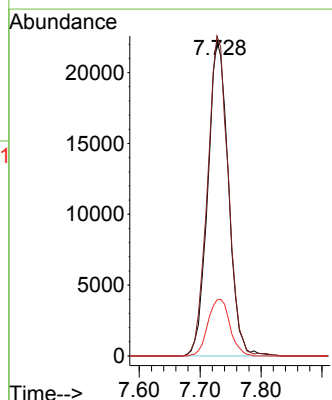
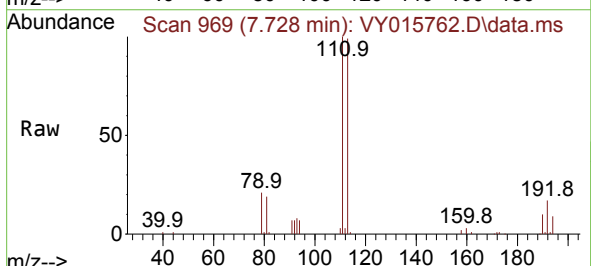
Tgt Ion:113 Resp: 52251

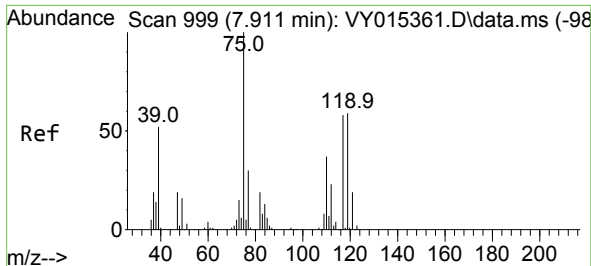
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.1 16.9 25.3

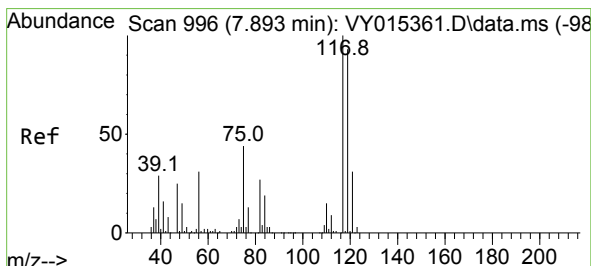
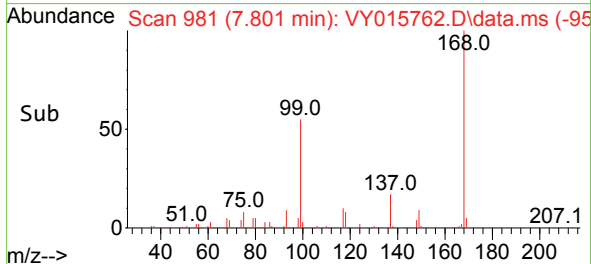
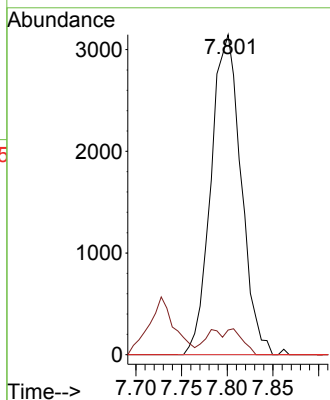
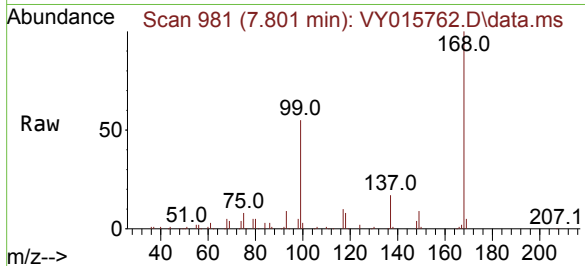




#36
1,1-Dichloropropene
Concen: 5.196 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

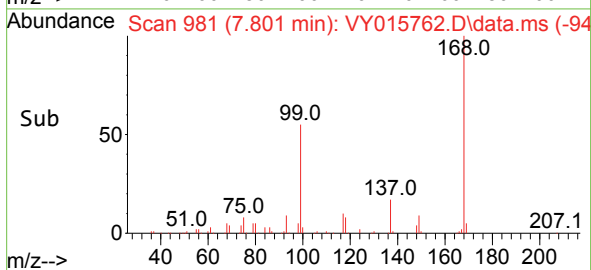
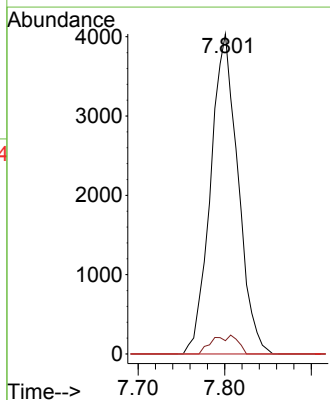
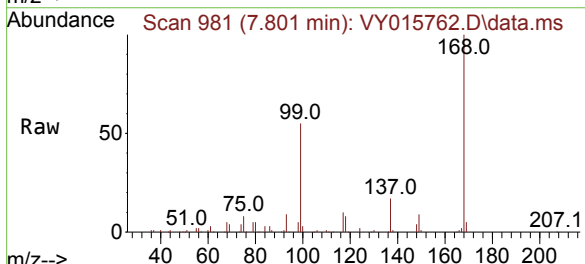
Instrument :
MSVOA_Y
ClientSampleId :

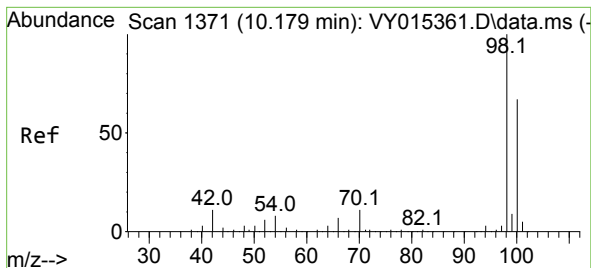
Tgt Ion: 75 Resp: 7209
Ion Ratio Lower Upper
75 100
110 2.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.092 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

Tgt Ion: 117 Resp: 8885
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 58.607 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015762.D

Acq: 29 Sep 2023 18:39

Instrument :

MSVOA_Y

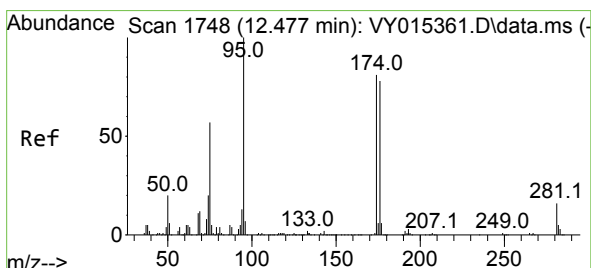
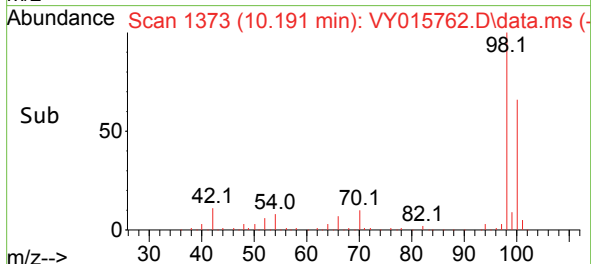
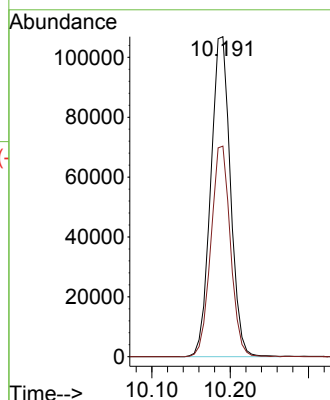
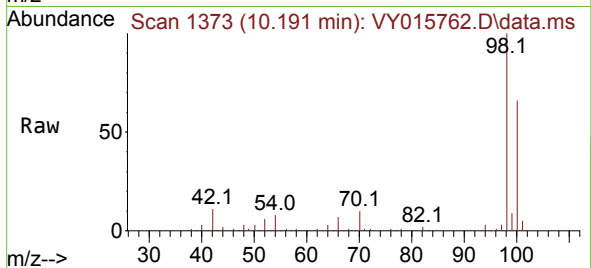
ClientSampleId :

Tgt Ion: 98 Resp: 186470

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.428 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015762.D

Acq: 29 Sep 2023 18:39

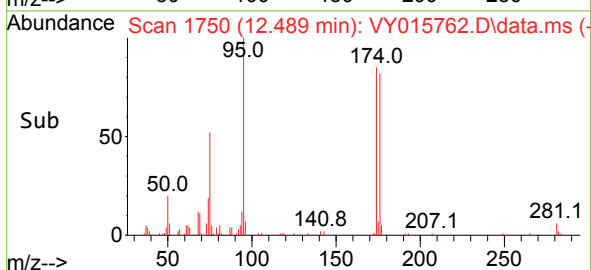
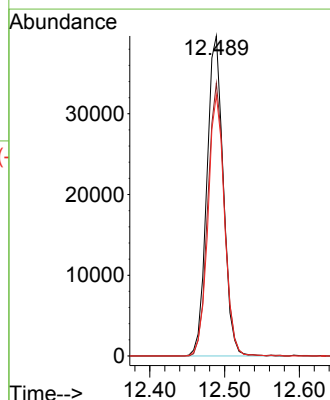
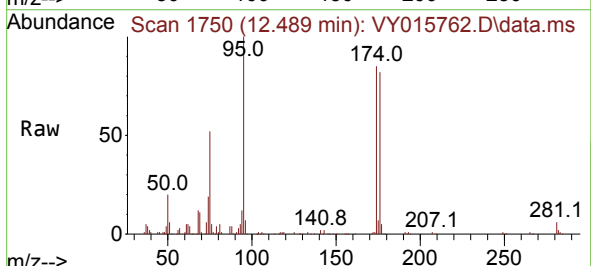
Tgt Ion: 95 Resp: 60467

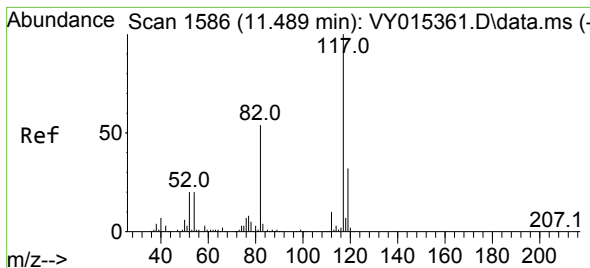
Ion Ratio Lower Upper

95 100

174 86.1 0.0 178.2

176 81.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015762.D

Acq: 29 Sep 2023 18:39

Instrument :

MSVOA_Y

ClientSampleId :

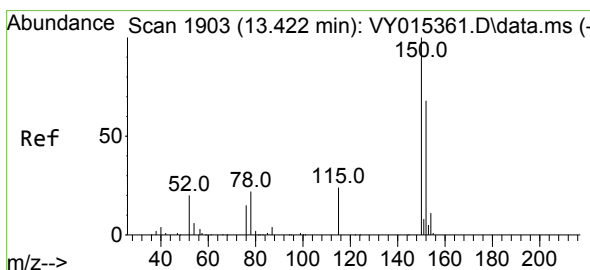
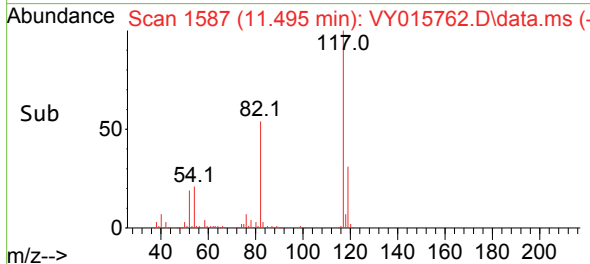
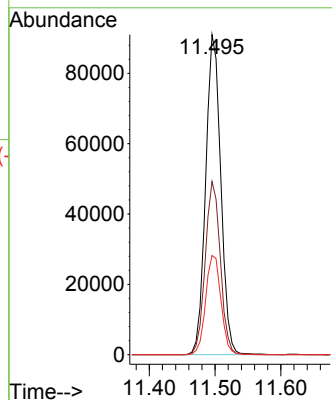
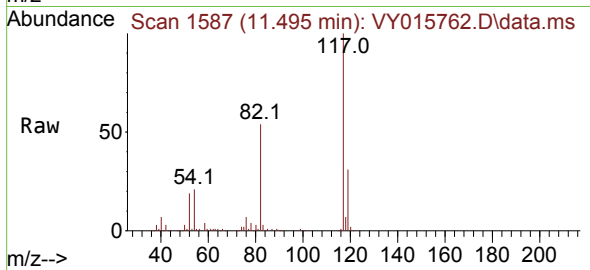
Tgt Ion:117 Resp: 145704

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 31.0 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: VY015762.D

Acq: 29 Sep 2023 18:39

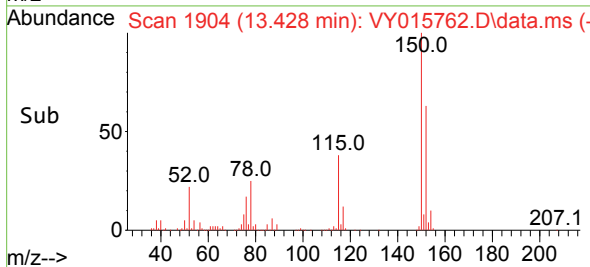
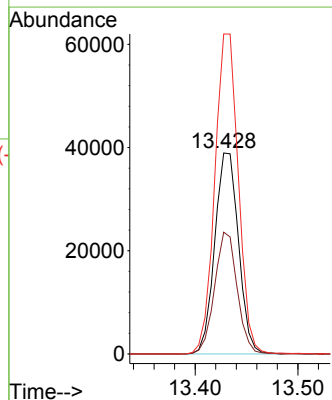
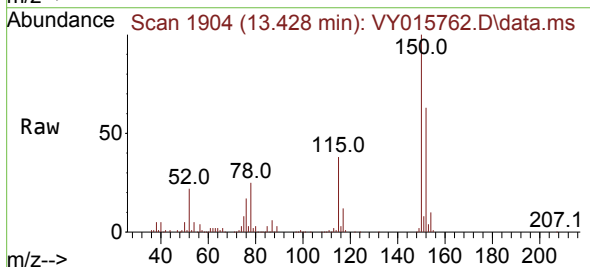
Tgt Ion:152 Resp: 62389

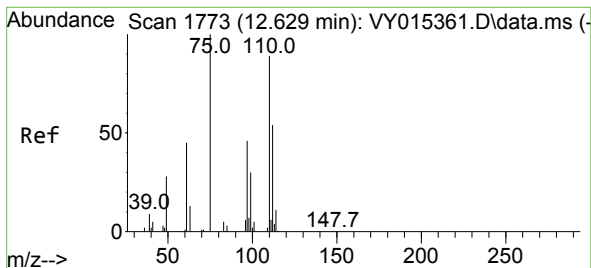
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 157.8 0.0 348.8

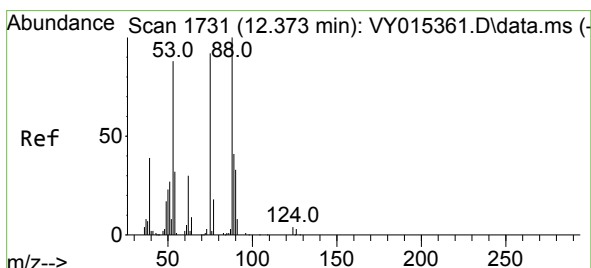
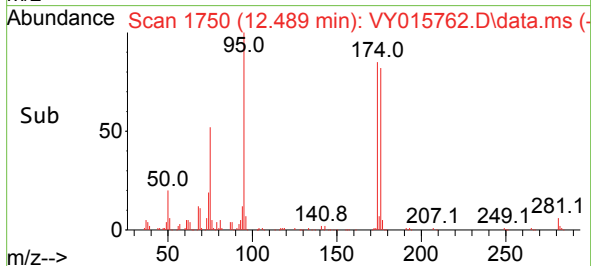
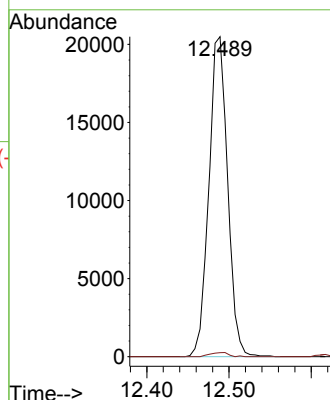
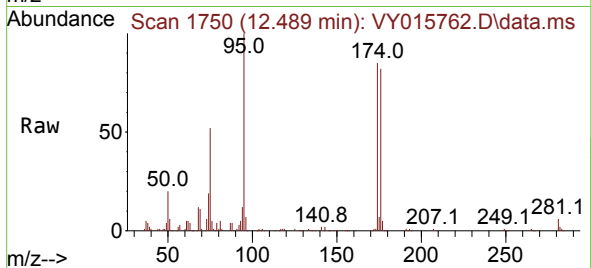




#76
1,2,3-Trichloropropane
Concen: 32.634 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32481
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.489 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.109 min
Lab File: VY015762.D
Acq: 29 Sep 2023 18:39

Tgt Ion: 75 Resp: 32481
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

