

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
 Data File : VY015748.D
 Acq On : 28 Sep 2023 17:07
 Operator : SY/MD
 Sample : 04627-09
 Misc : 3.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 29 01:26:44 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)

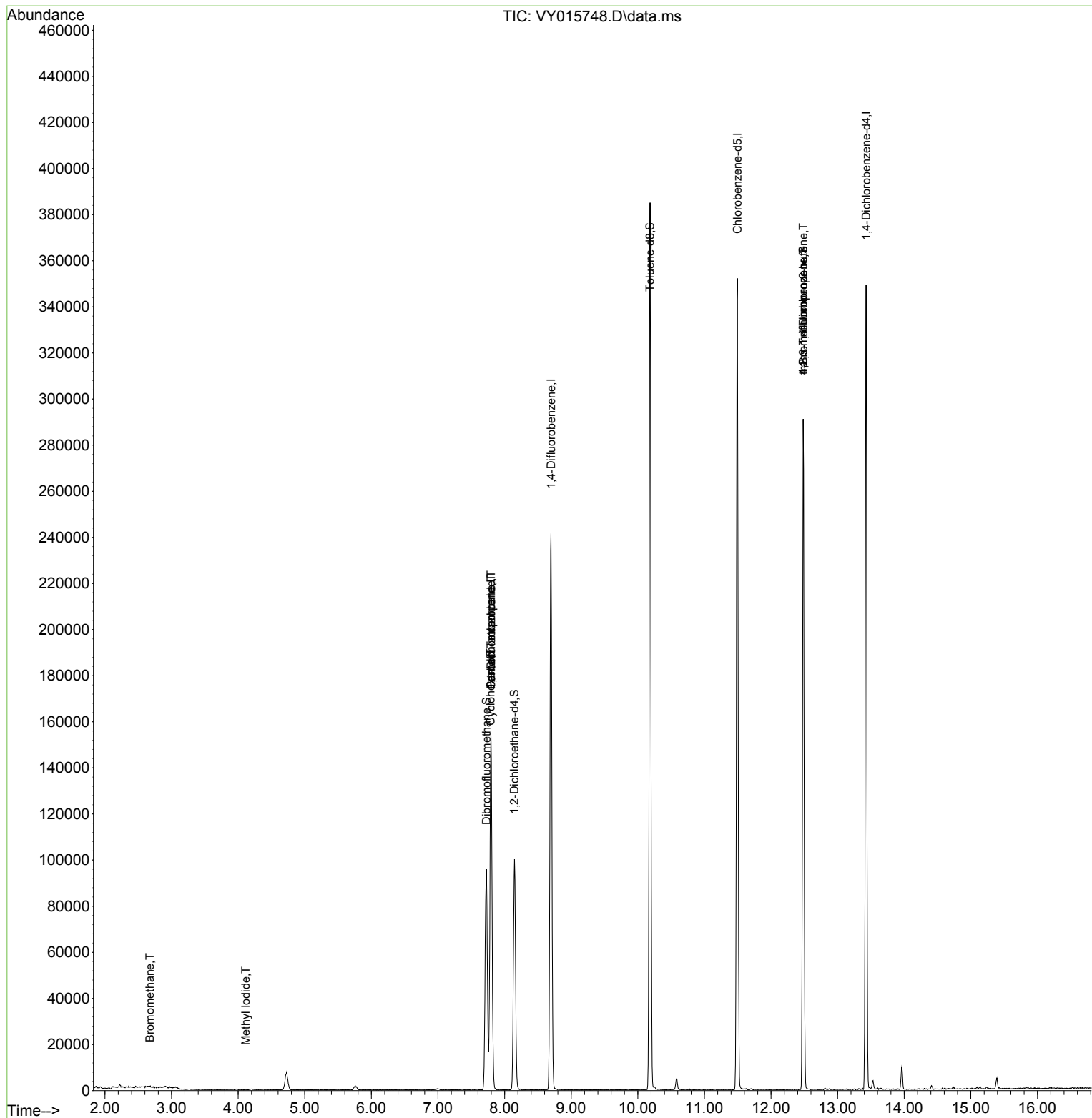
Internal Standards						
1) Pentafluorobenzene	7.795	168	117306	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	207428	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	195768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	78266	60.639	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.280%	
35) Dibromofluoromethane	7.728	113	68550	55.214	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.420%	
50) Toluene-d8	10.185	98	249179	59.193	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 118.380%	
62) 4-Bromofluorobenzene	12.483	95	82452	49.911	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	146	2.682	ug/l	96
10) Methyl Iodide	4.113	142	52	2.764	ug/l #	38
11) Tert butyl alcohol	4.978	59	21	Below Cal	#	89
20) Methylene Chloride	4.728	84	5496	Below Cal		97
31) Cyclohexane	7.789	56	2570	1.437	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9266	5.048	ug/l #	49
38) Carbon Tetrachloride	7.795	117	11871	5.958	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	43110	30.356	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43110	68.359	ug/l #	11

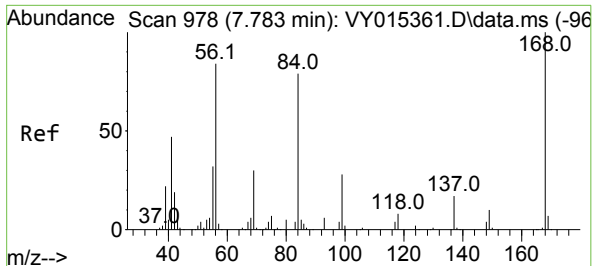
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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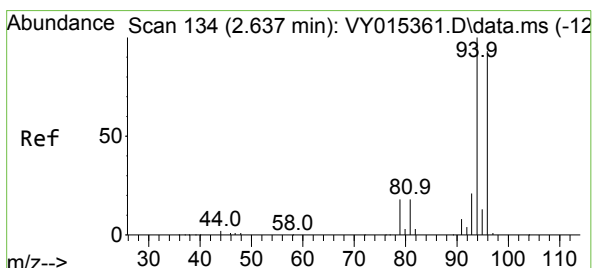
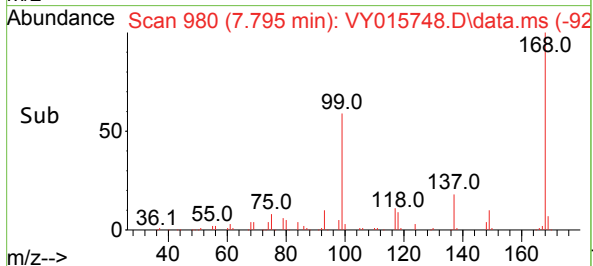
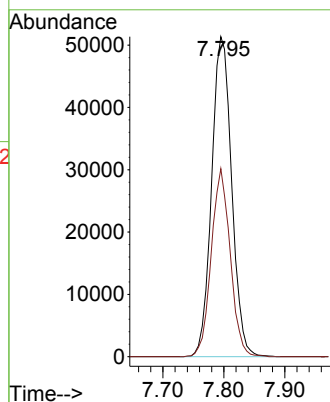
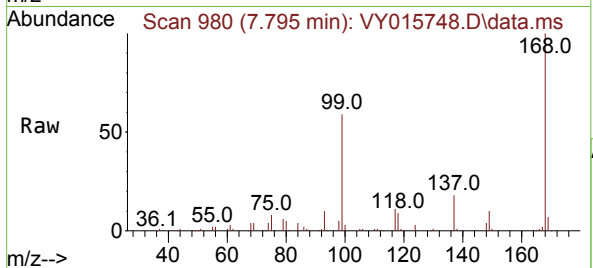




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015748.D
Acq: 28 Sep 2023 17:07

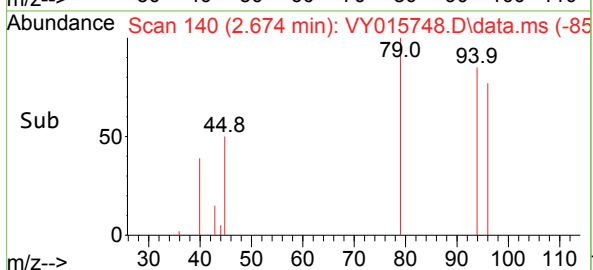
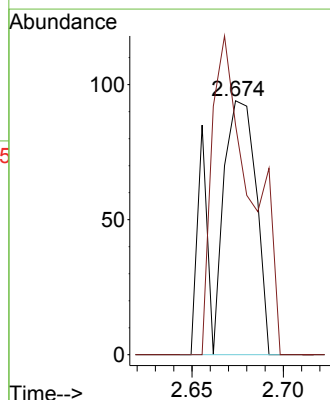
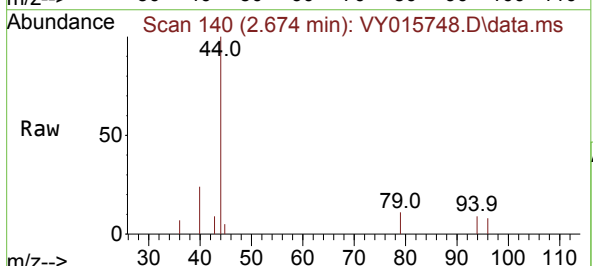
Instrument :
MSVOA_Y
ClientSampleId :

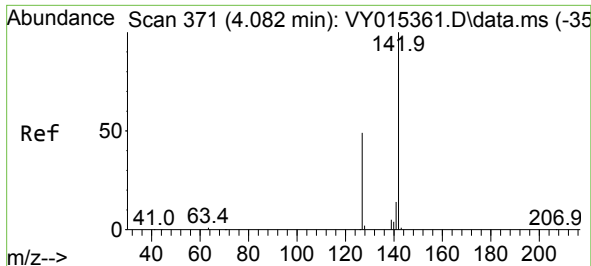
Tgt Ion:168 Resp: 117306
Ion Ratio Lower Upper
168 100
99 58.8 43.4 65.0



#5
Bromomethane
Concen: 2.682 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.037 min
Lab File: VY015748.D
Acq: 28 Sep 2023 17:07

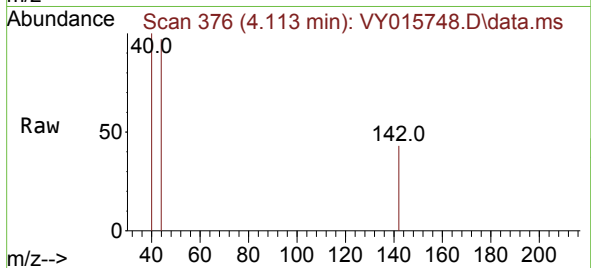
Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 90.4 75.8 113.6



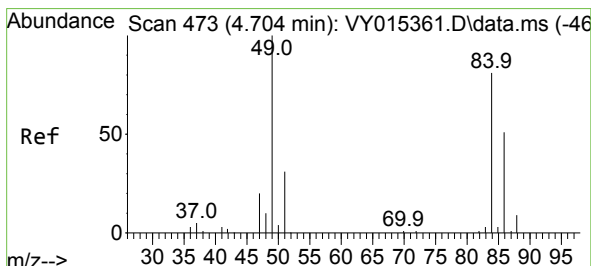
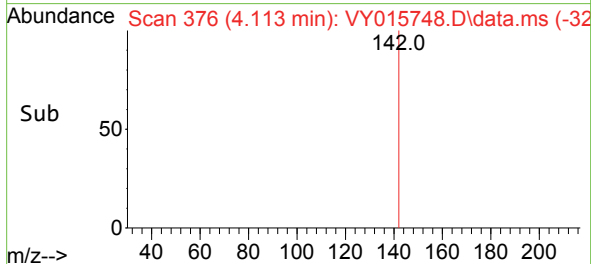
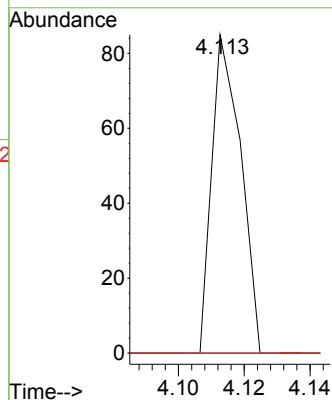


#10
Methyl Iodide
Concen: 2.764 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.031 min
Lab File: VY015748.D
Acq: 28 Sep 2023 17:07

Instrument :
MSVOA_Y
ClientSampleId :

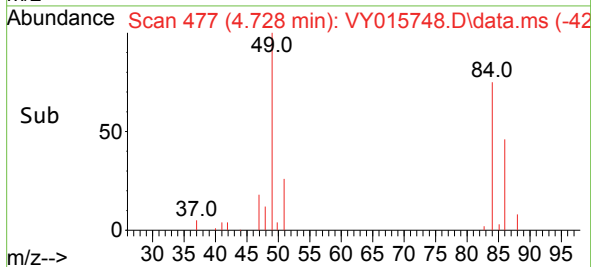
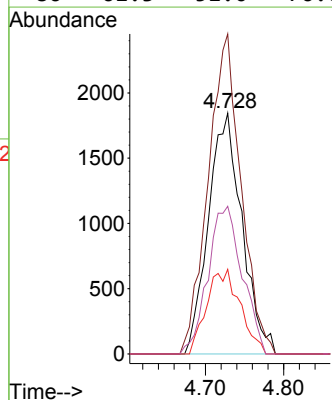
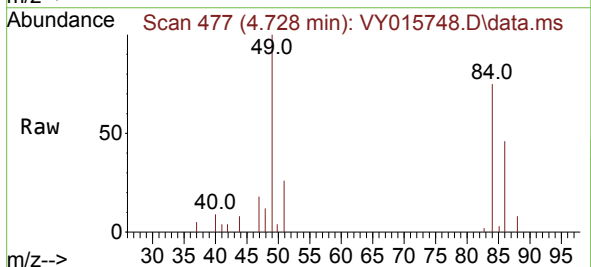


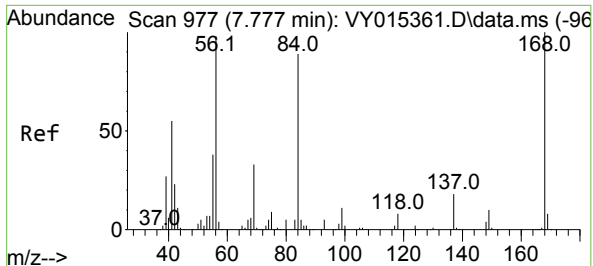
Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY015748.D
Acq: 28 Sep 2023 17:07

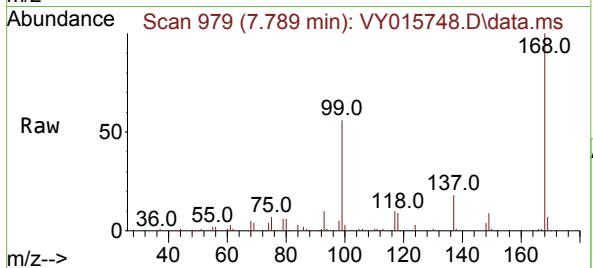
Tgt Ion: 84 Resp: 5496
Ion Ratio Lower Upper
84 100
49 132.9 106.9 160.3
51 35.1 33.2 49.8
86 61.3 51.0 76.6



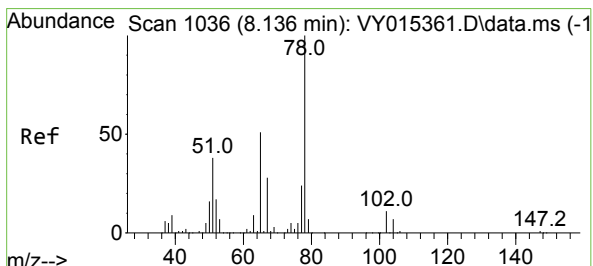
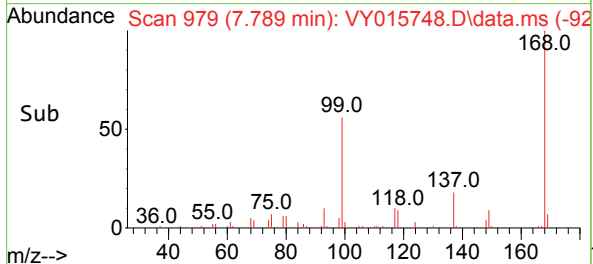
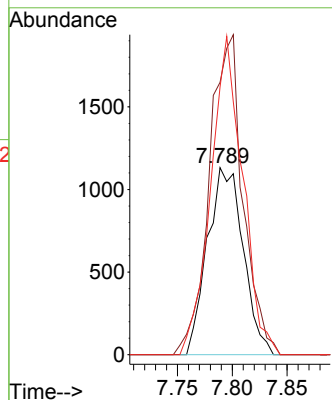


#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015748.D
Acq: 28 Sep 2023 17:07

Instrument :
MSVOA_Y
ClientSampleId :

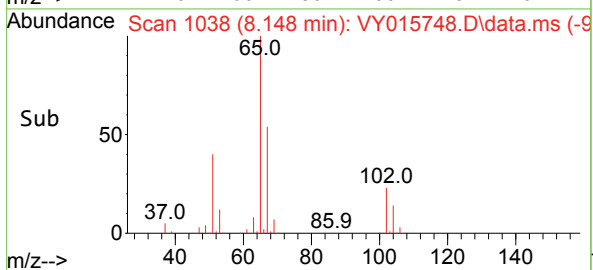
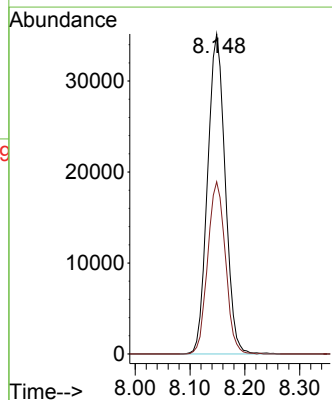
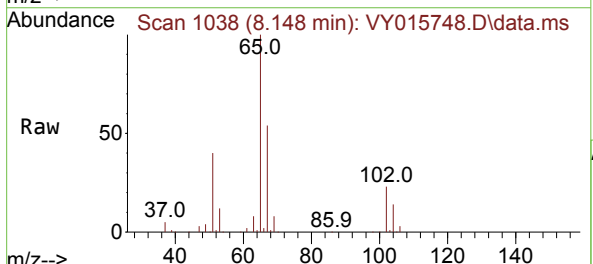


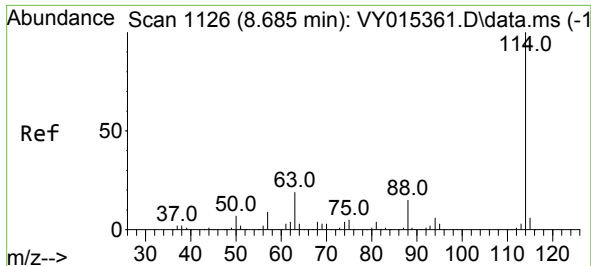
Tgt Ion: 56 Resp: 2570
Ion Ratio Lower Upper
56 100
69 145.6 27.8 41.6#
84 143.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.639 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015748.D
Acq: 28 Sep 2023 17:07

Tgt Ion: 65 Resp: 78266
Ion Ratio Lower Upper
65 100
67 54.0 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: VY015748.D

Acq: 28 Sep 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :

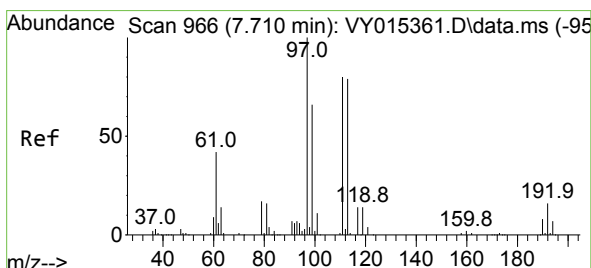
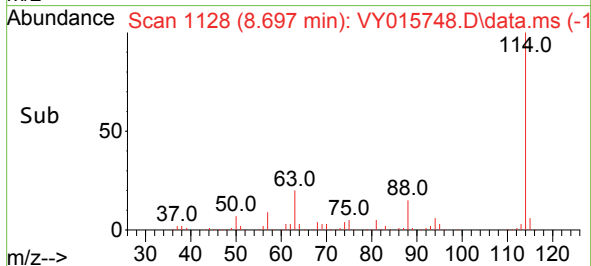
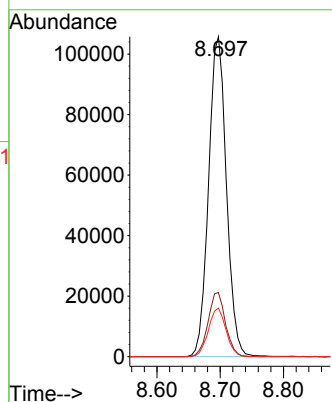
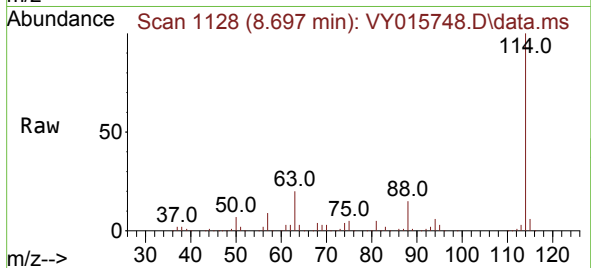
Tgt Ion:114 Resp: 207428

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.214 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015748.D

Acq: 28 Sep 2023 17:07

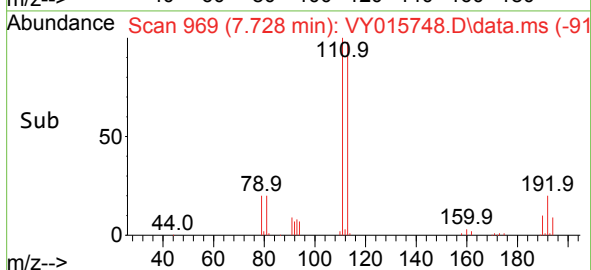
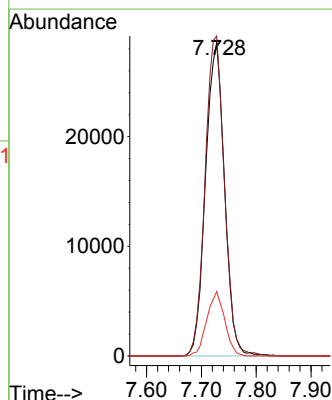
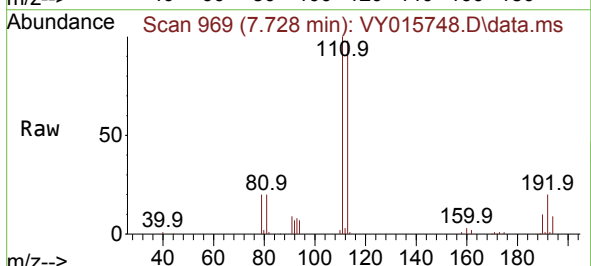
Tgt Ion:113 Resp: 68550

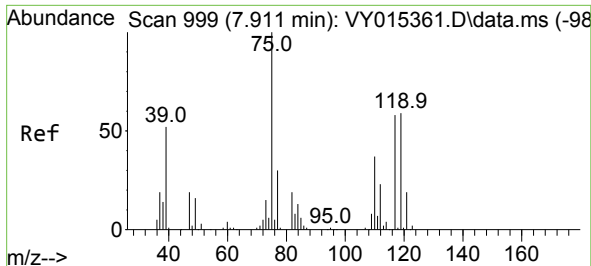
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 19.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.048 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.116 min

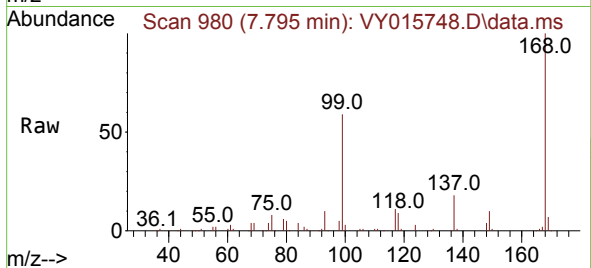
Lab File: VY015748.D

Acq: 28 Sep 2023 17:07

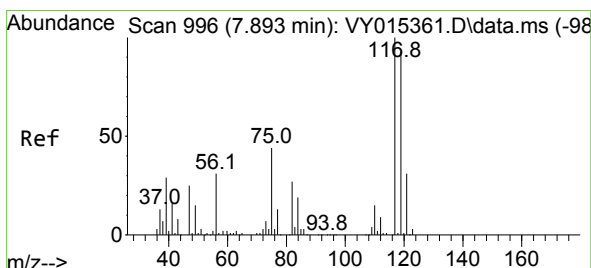
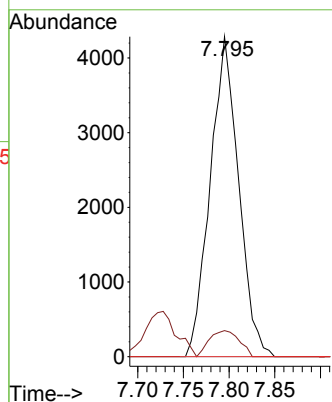
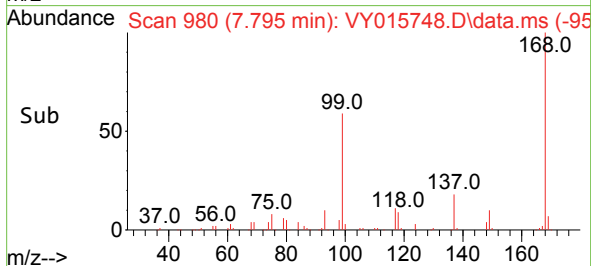
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 9266
Ion Ratio	Lower Upper
75	100
110	8.6 17.8 53.5#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.958 ug/l

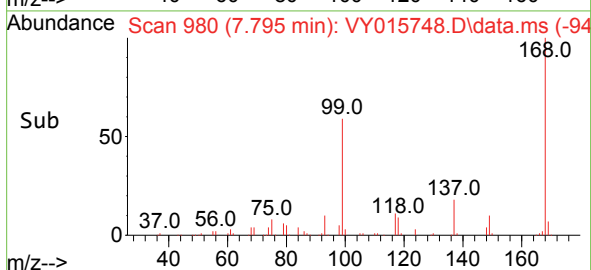
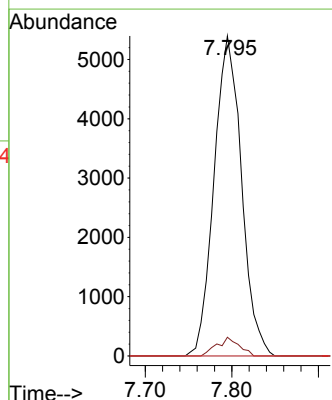
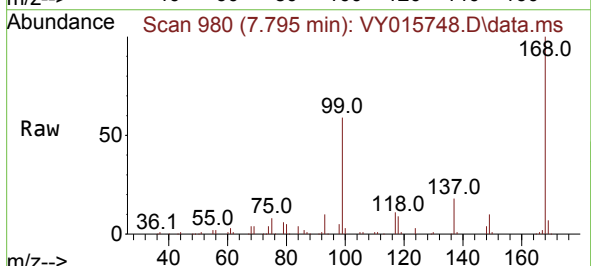
RT: 7.795 min Scan# 980

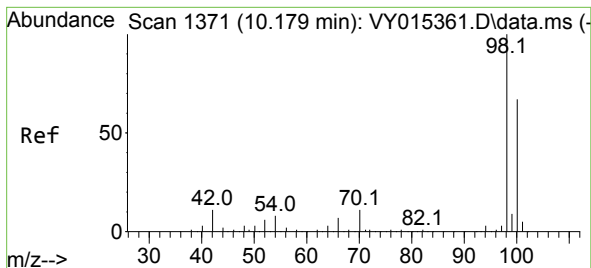
Delta R.T. -0.098 min

Lab File: VY015748.D

Acq: 28 Sep 2023 17:07

Tgt Ion: 117	Resp: 11871
Ion Ratio	Lower Upper
117	100
119	5.8 76.4 114.6#
121	0.0 25.8 38.6#





#50

Toluene-d8

Concen: 59.193 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015748.D

Acq: 28 Sep 2023 17:07

Instrument :

MSVOA_Y

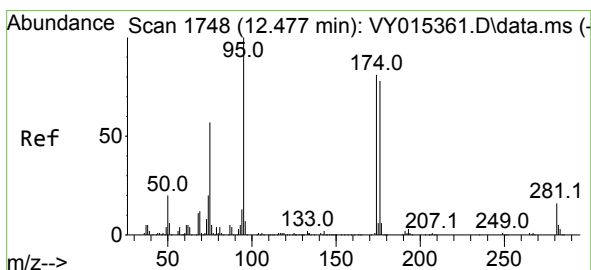
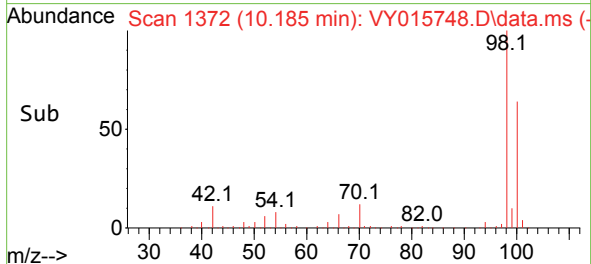
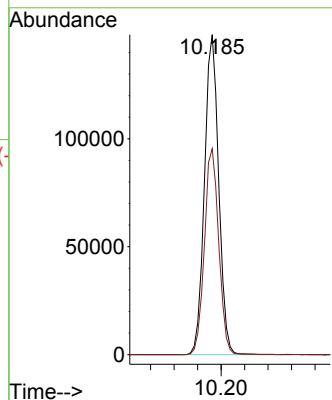
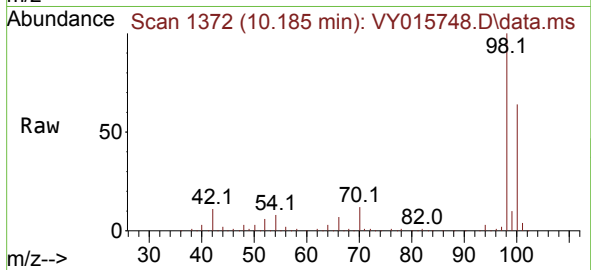
ClientSampleId :

Tgt Ion: 98 Resp: 249179

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.911 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015748.D

Acq: 28 Sep 2023 17:07

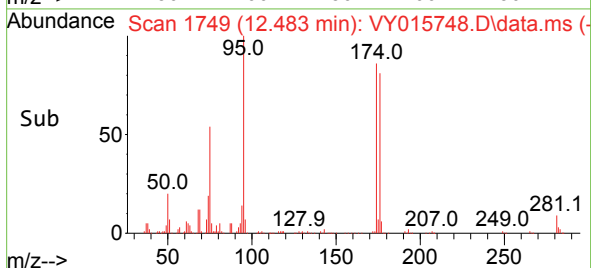
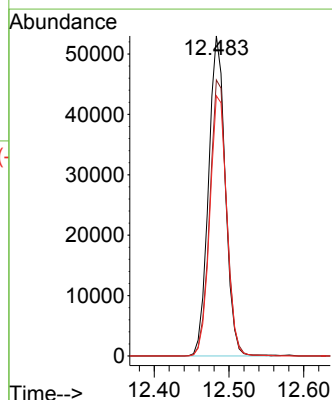
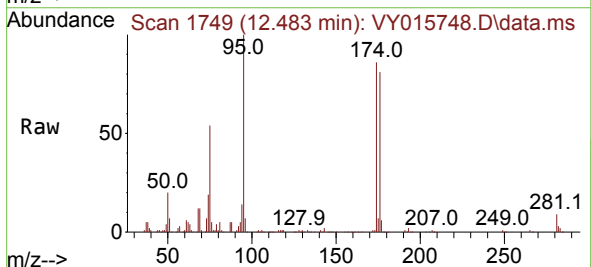
Tgt Ion: 95 Resp: 82452

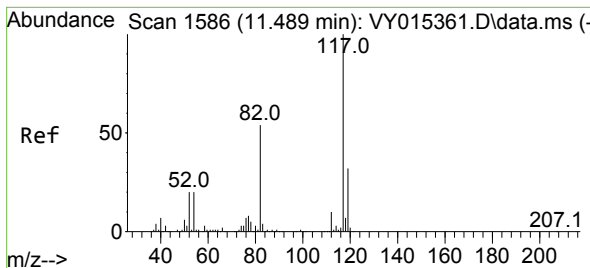
Ion Ratio Lower Upper

95 100

174 86.7 0.0 178.2

176 82.5 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: VY015748.D

Acq: 28 Sep 2023 17:07

Instrument :

MSVOA_Y

ClientSampleId :

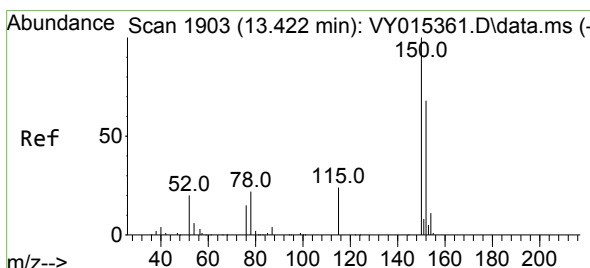
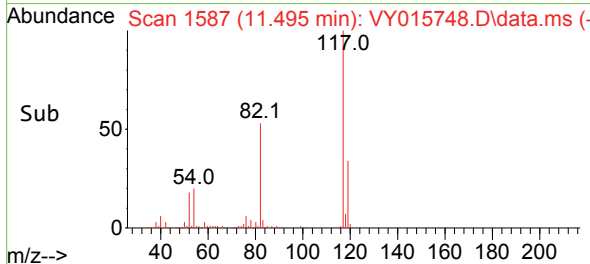
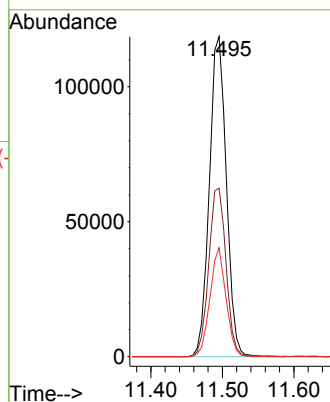
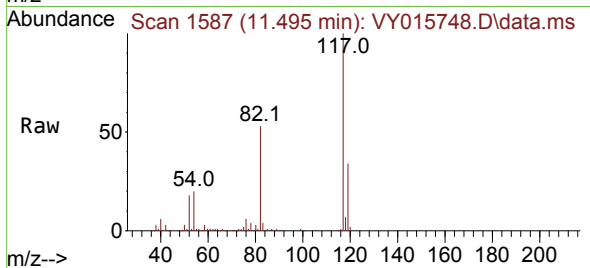
Tgt Ion:117 Resp: 195768

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 34.0 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: VY015748.D

Acq: 28 Sep 2023 17:07

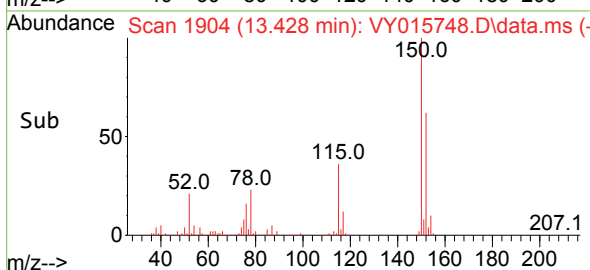
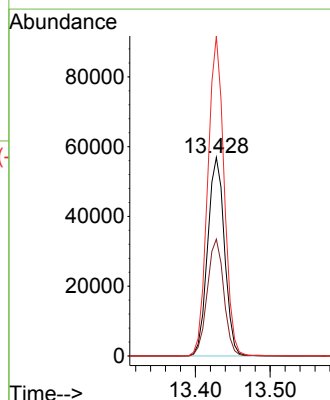
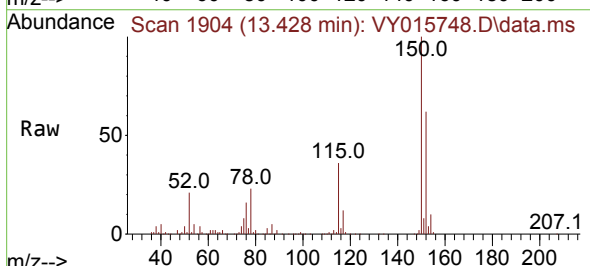
Tgt Ion:152 Resp: 89019

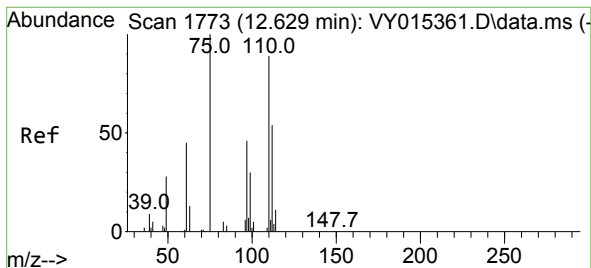
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 156.5 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 30.356 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015748.D

Acq: 28 Sep 2023 17:07

Instrument :

MSVOA_Y

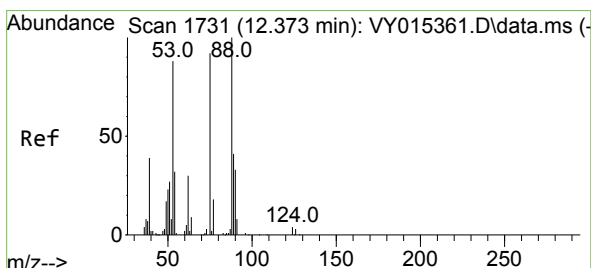
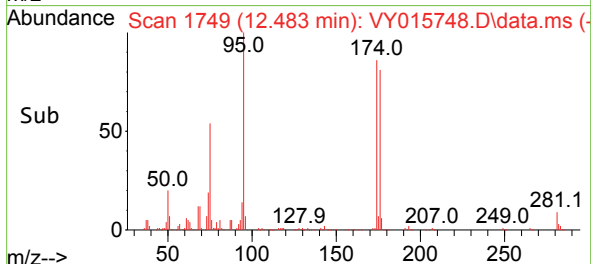
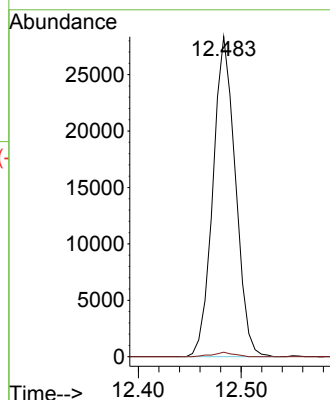
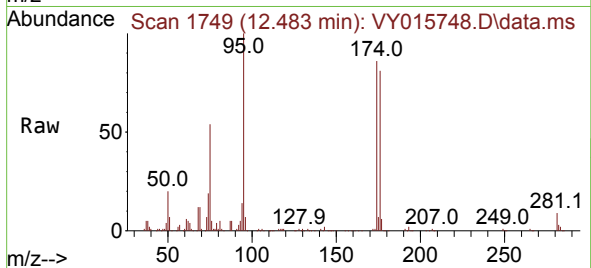
ClientSampleId :

Tgt Ion: 75 Resp: 43110

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.359 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015748.D

Acq: 28 Sep 2023 17:07

Tgt Ion: 75 Resp: 43110

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#

