

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015648.D
 Acq On : 20 Sep 2023 10:26
 Operator : SY/MD
 Sample : VY0920SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:36:54 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)

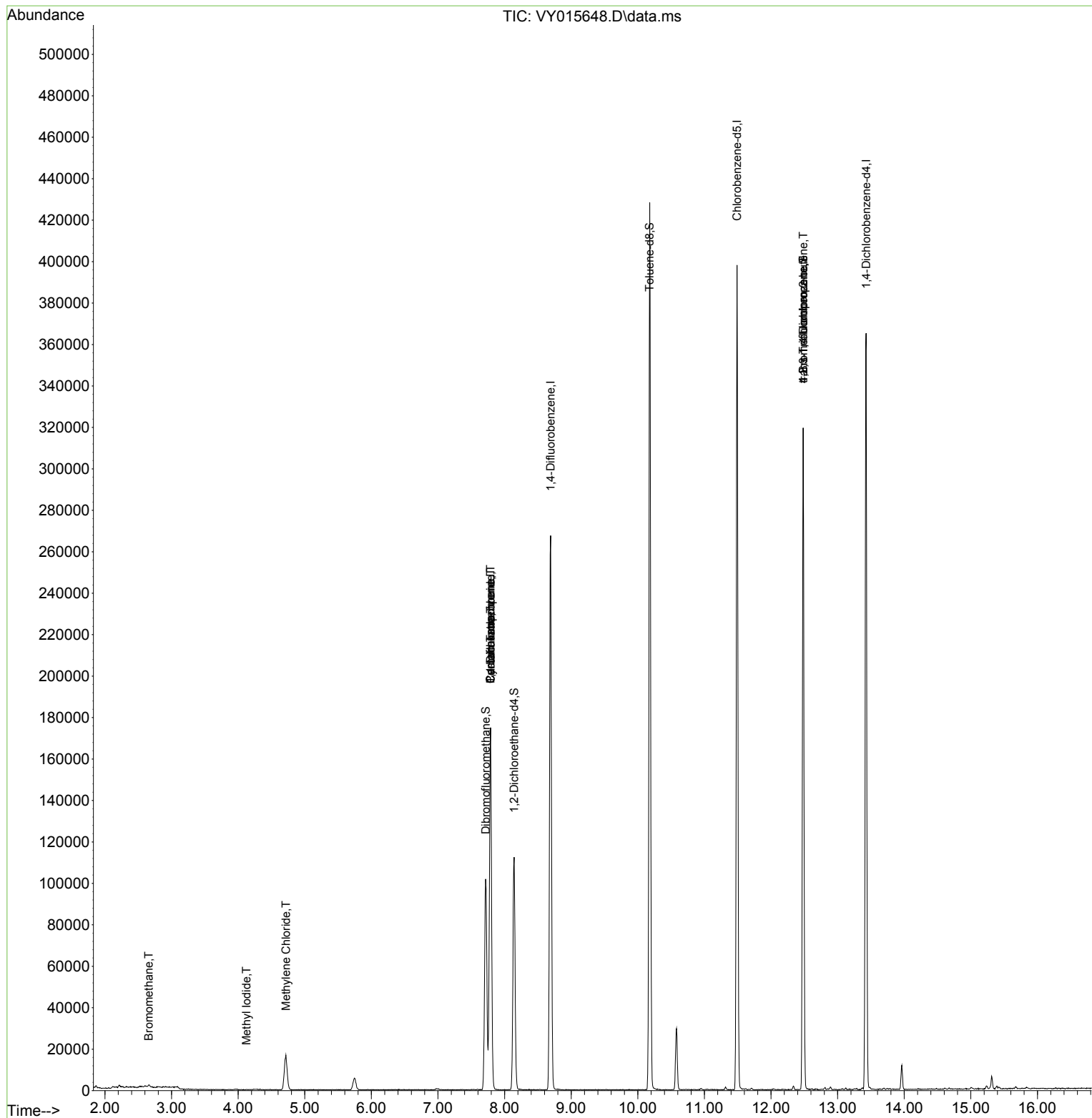
Internal Standards						
1) Pentafluorobenzene	7.789	168	134835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	232260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	211859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86601	58.374	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.740%	
35) Dibromofluoromethane	7.716	113	73329	52.749	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.500%	
50) Toluene-d8	10.179	98	275163	58.377	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.760%	
62) 4-Bromofluorobenzene	12.483	95	90734	49.052	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.100%	
Target Compounds						Qvalue
5) Bromomethane	2.656	94	188	2.697	ug/l	99
10) Methyl Iodide	4.125	142	59	2.764	ug/l #	38
20) Methylene Chloride	4.716	84	12469	2.581	ug/l	90
31) Cyclohexane	7.789	56	2677	1.303	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10608	5.161	ug/l #	49
38) Carbon Tetrachloride	7.789	117	13332	5.975	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	48453	31.182	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48453	70.218	ug/l #	11

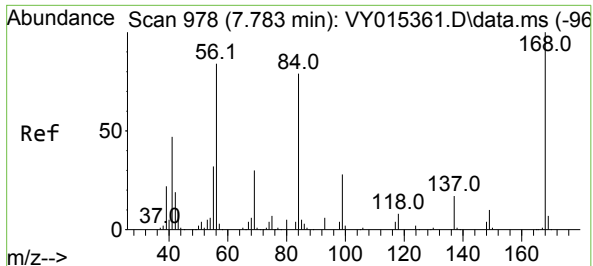
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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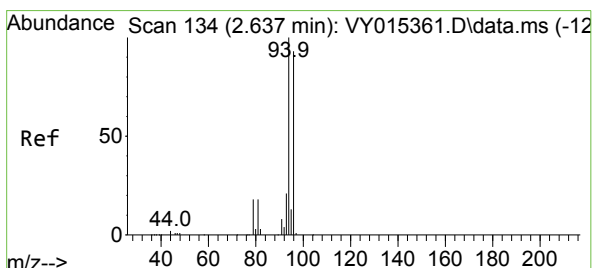
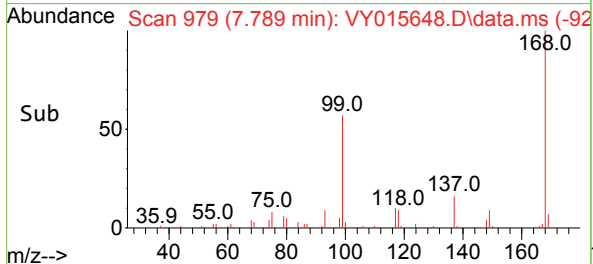
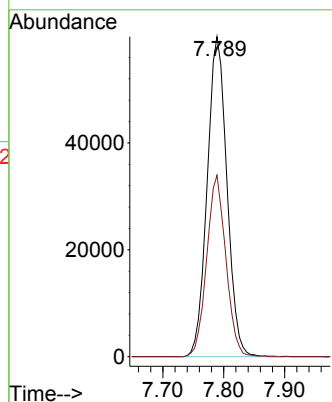
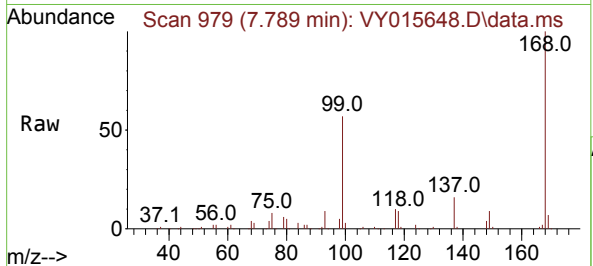




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

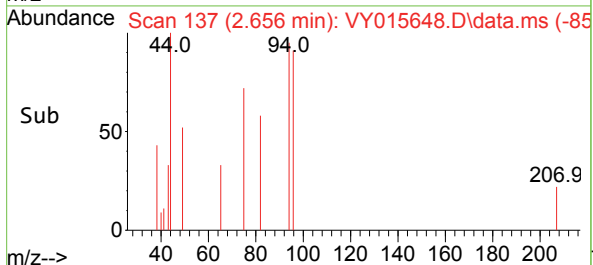
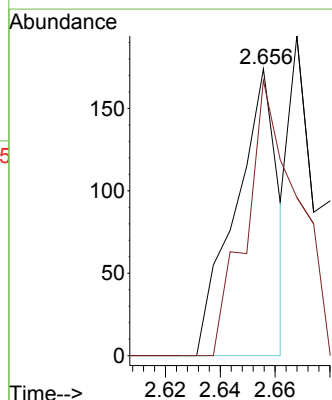
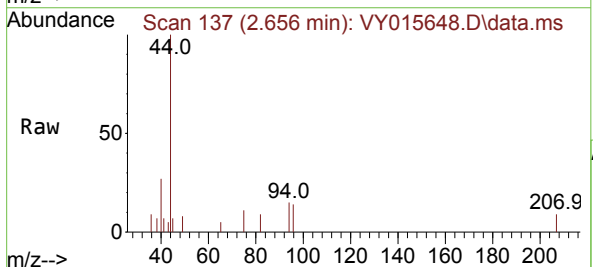
Instrument :
MSVOA_Y
ClientSampleId :

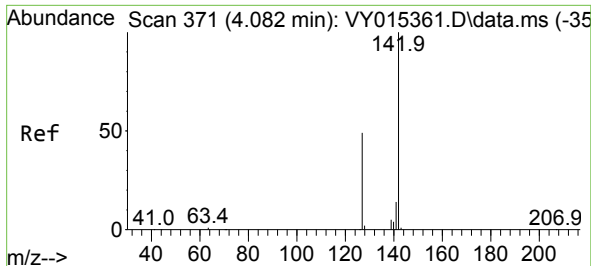
Tgt Ion:168 Resp: 134835
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#5
Bromomethane
Concen: 2.697 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

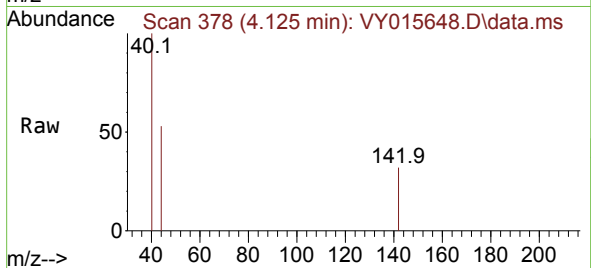
Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 96.0 75.8 113.6



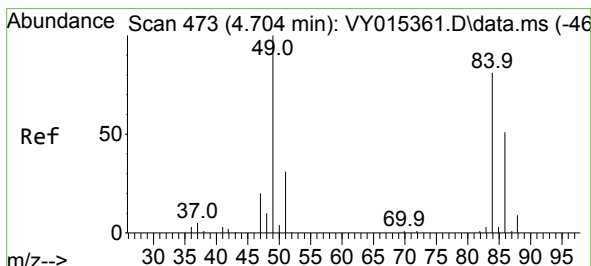
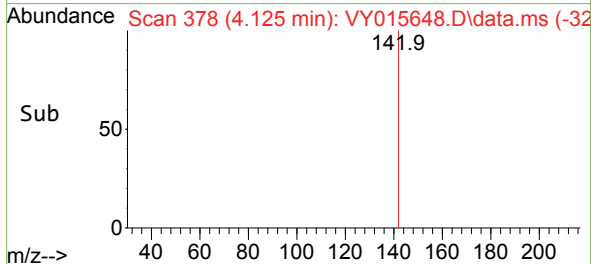
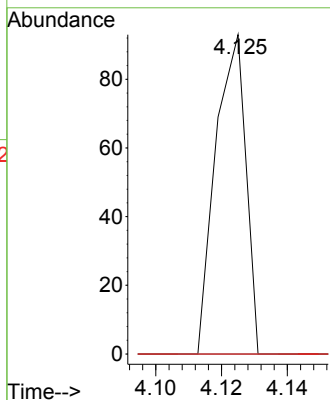


#10
Methyl Iodide
Concen: 2.764 ug/l
RT: 4.125 min Scan# 31
Delta R.T. 0.043 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

Instrument :
MSVOA_Y
ClientSampleId :

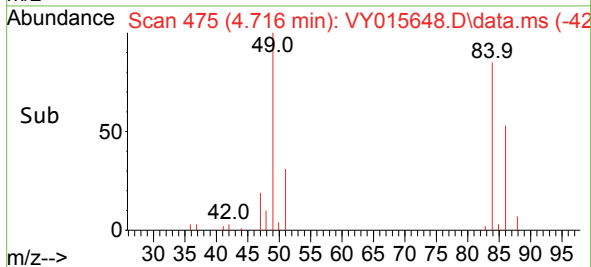
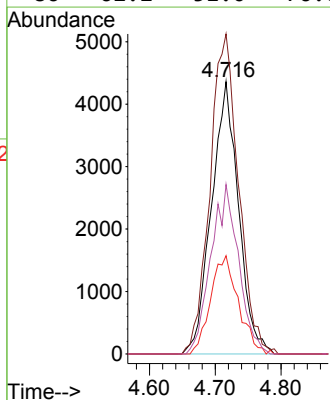
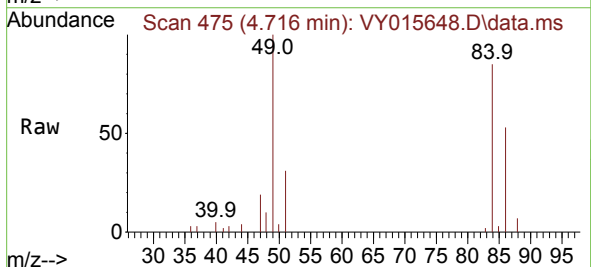


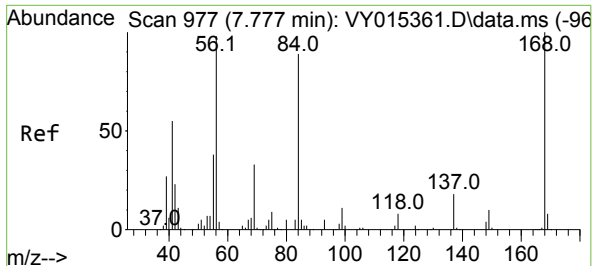
Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 2.581 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

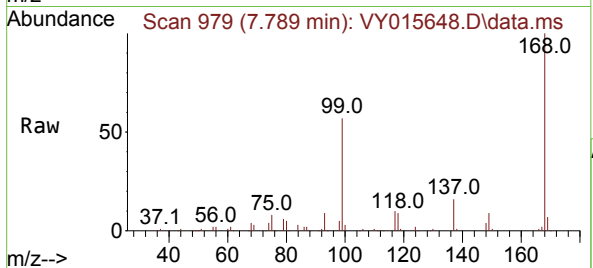
Tgt Ion: 84 Resp: 12469
Ion Ratio Lower Upper
84 100
49 117.5 106.9 160.3
51 36.1 33.2 49.8
86 62.2 51.0 76.6



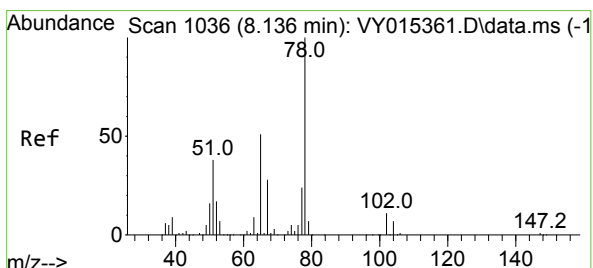
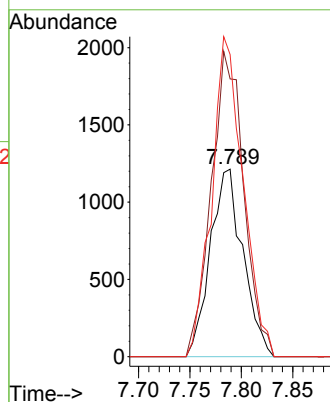
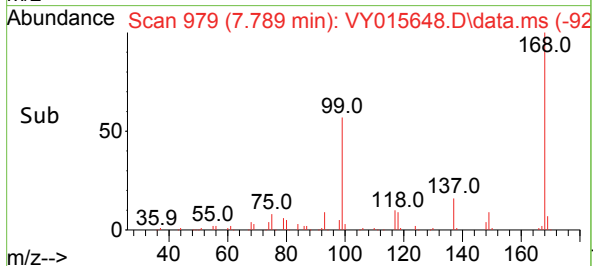


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

Instrument :
MSVOA_Y
ClientSampleId :

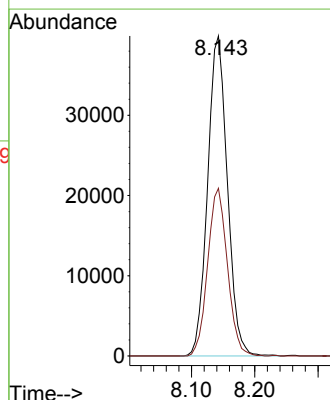
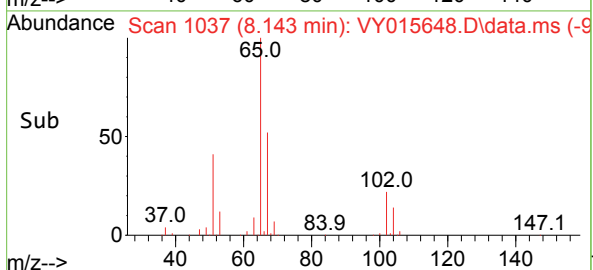
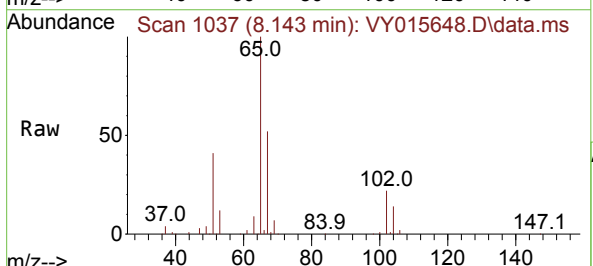


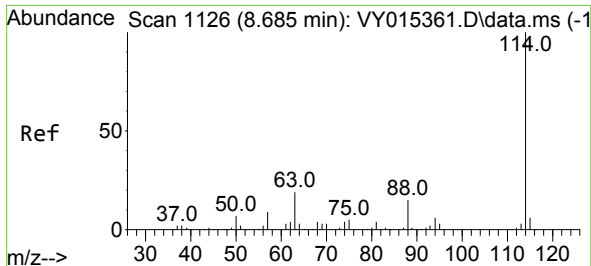
Tgt Ion: 56 Resp: 2677
Ion Ratio Lower Upper
56 100
69 148.1 27.8 41.6#
84 161.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.374 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

Tgt Ion: 65 Resp: 86601
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8

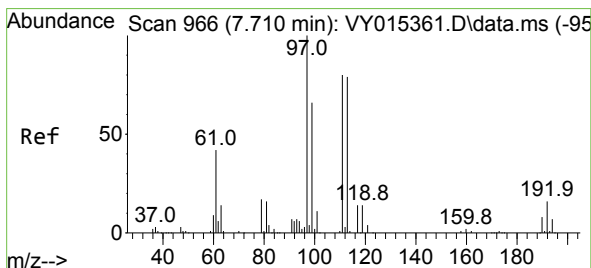
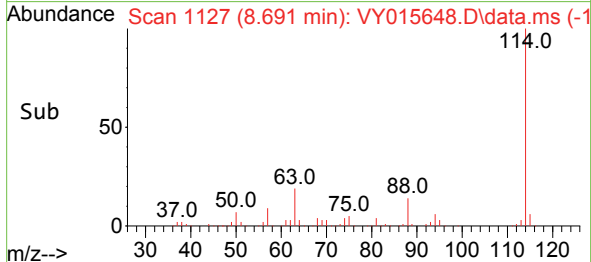
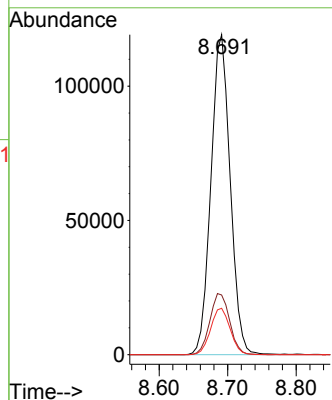
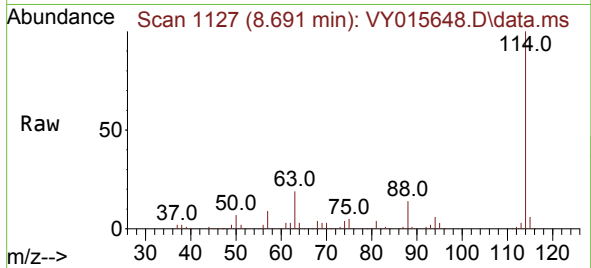




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

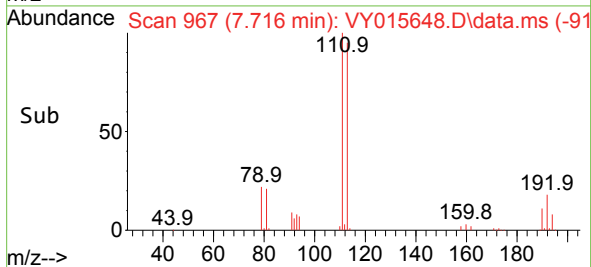
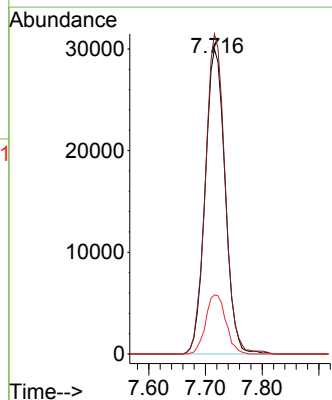
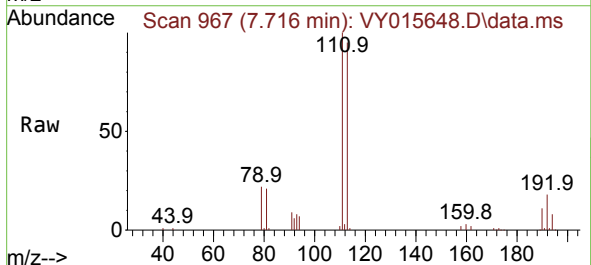
Instrument :
MSVOA_Y
ClientSampleId :

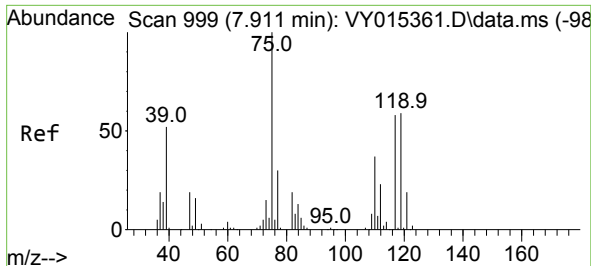
Tgt Ion:114 Resp: 232260
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.749 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY015648.D
Acq: 20 Sep 2023 10:26

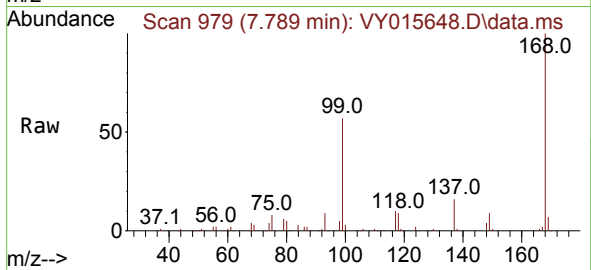
Tgt Ion:113 Resp: 73329
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 19.6 16.9 25.3



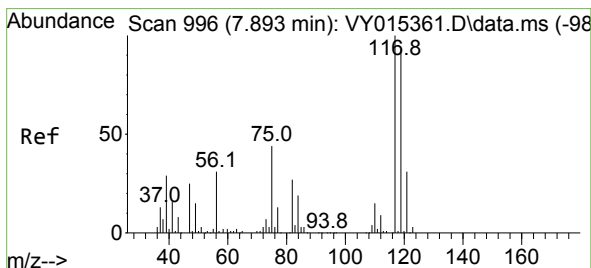
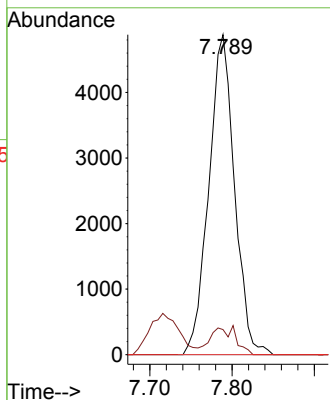
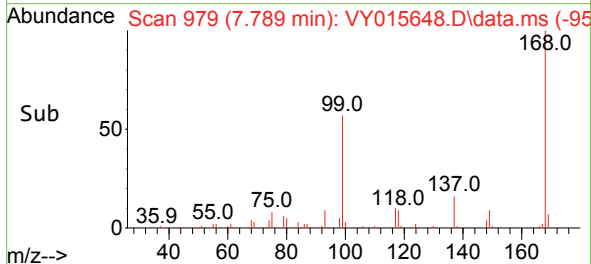


#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY015648.D
 Acq: 20 Sep 2023 10:26

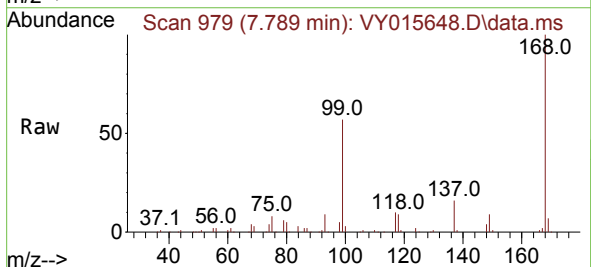
Instrument :
 MSVOA_Y
 ClientSampleId :



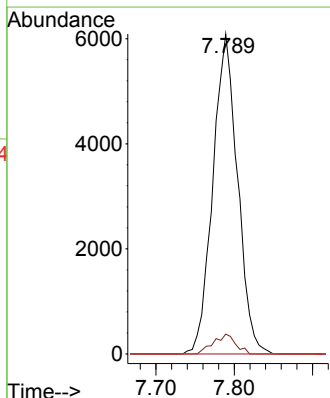
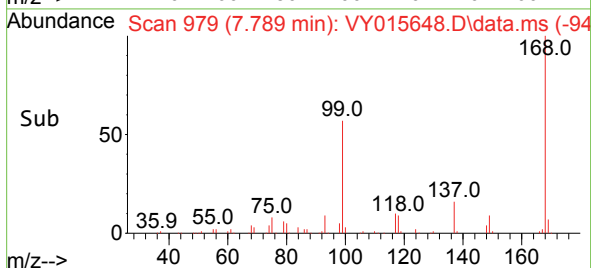
Tgt Ion: 75 Resp: 10608
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.5#
 77 0.0 24.4 36.6#

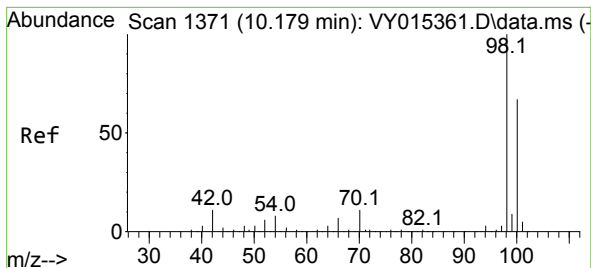


#38
 Carbon Tetrachloride
 Concen: 5.975 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.104 min
 Lab File: VY015648.D
 Acq: 20 Sep 2023 10:26



Tgt Ion: 117 Resp: 13332
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 58.377 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015648.D

Acq: 20 Sep 2023 10:26

Instrument :

MSVOA_Y

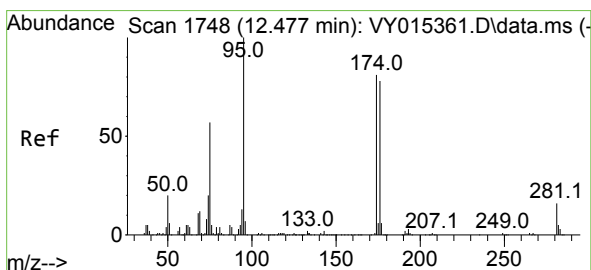
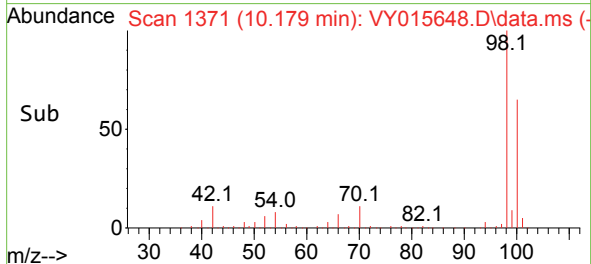
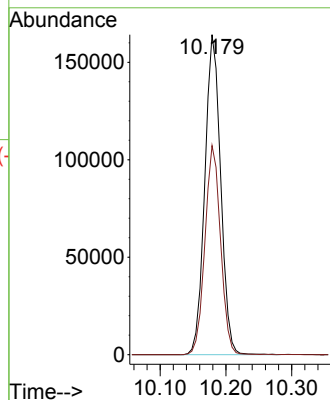
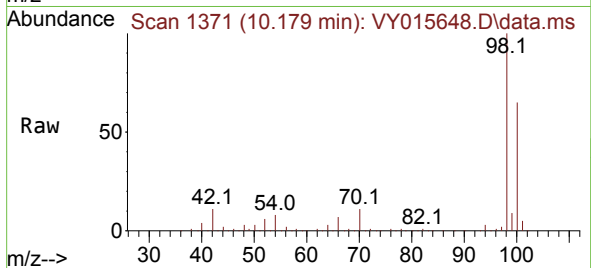
ClientSampleId :

Tgt Ion: 98 Resp: 275163

Ion Ratio Lower Upper

98 100

100 64.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.052 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015648.D

Acq: 20 Sep 2023 10:26

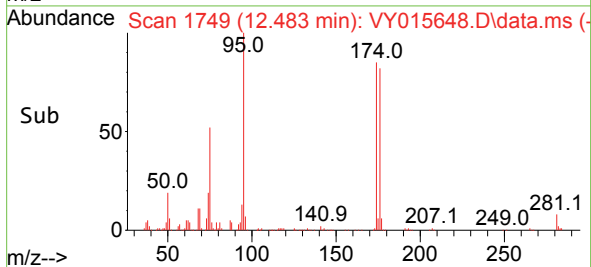
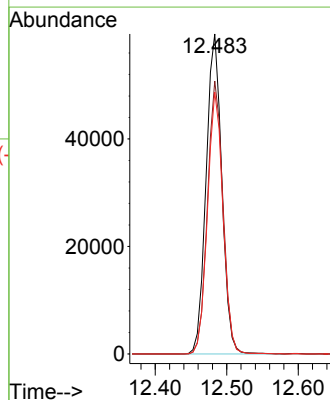
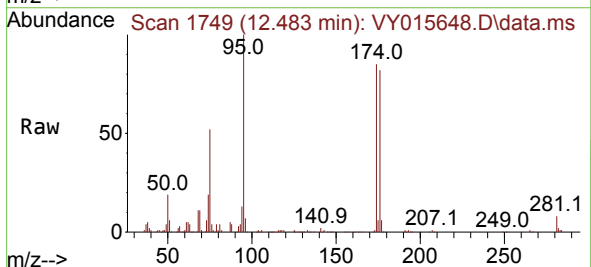
Tgt Ion: 95 Resp: 90734

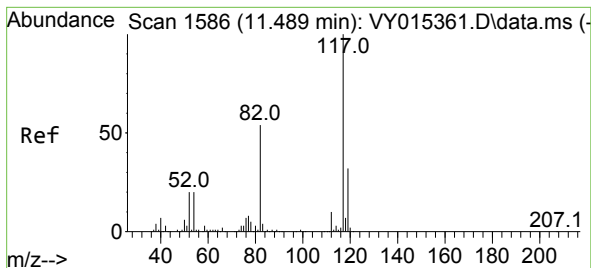
Ion Ratio Lower Upper

95 100

174 84.6 0.0 178.2

176 81.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

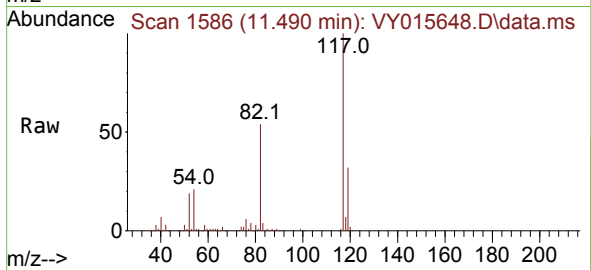
Lab File: VY015648.D

Acq: 20 Sep 2023 10:26

Instrument :

MSVOA_Y

ClientSampleId :



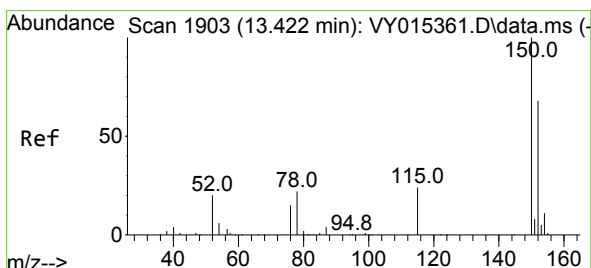
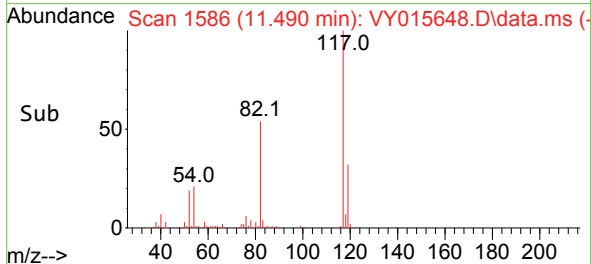
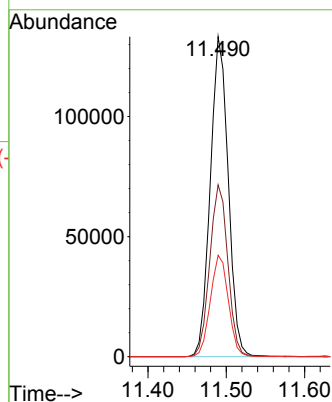
Tgt Ion:117 Resp: 211859

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 31.7 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: VY015648.D

Acq: 20 Sep 2023 10:26

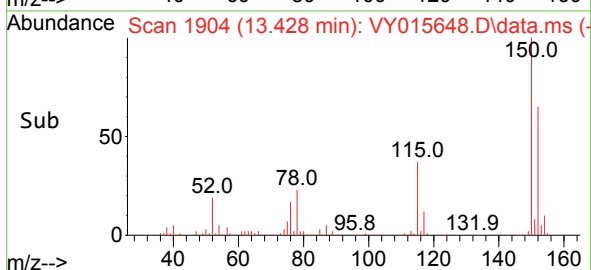
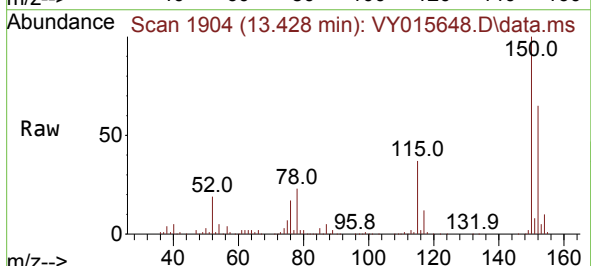
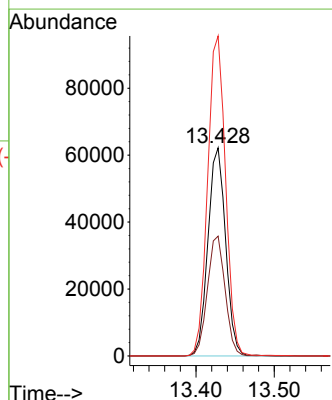
Tgt Ion:152 Resp: 97403

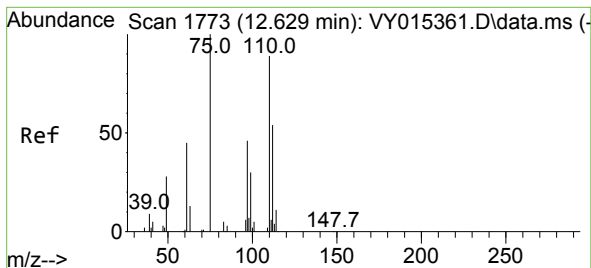
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 155.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 31.182 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015648.D

Acq: 20 Sep 2023 10:26

Instrument :

MSVOA_Y

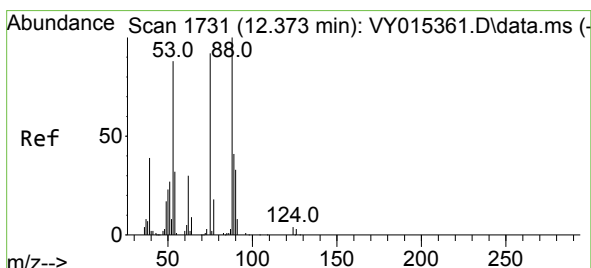
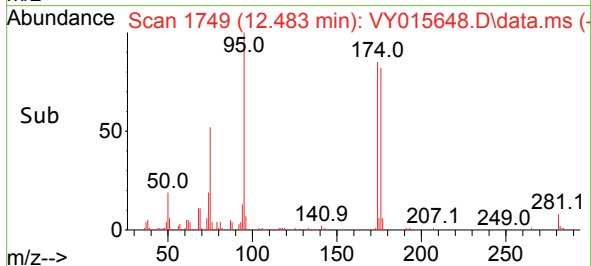
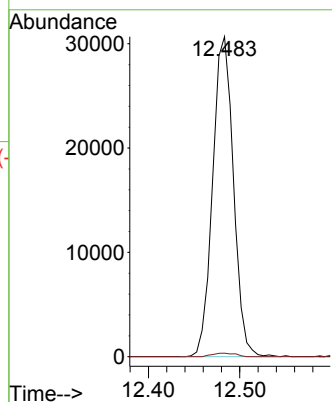
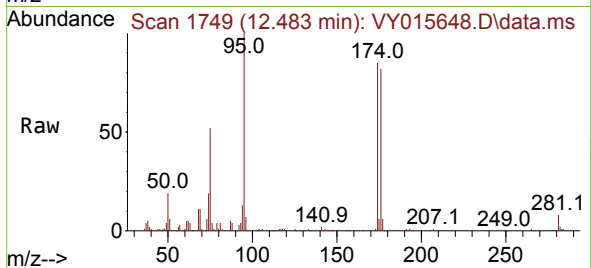
ClientSampleId :

Tgt Ion: 75 Resp: 48453

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.218 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015648.D

Acq: 20 Sep 2023 10:26

Tgt Ion: 75 Resp: 48453

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

