

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015652.D
 Acq On : 20 Sep 2023 12:35
 Operator : SY/MD
 Sample : 04491-07RE
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:39:26 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)

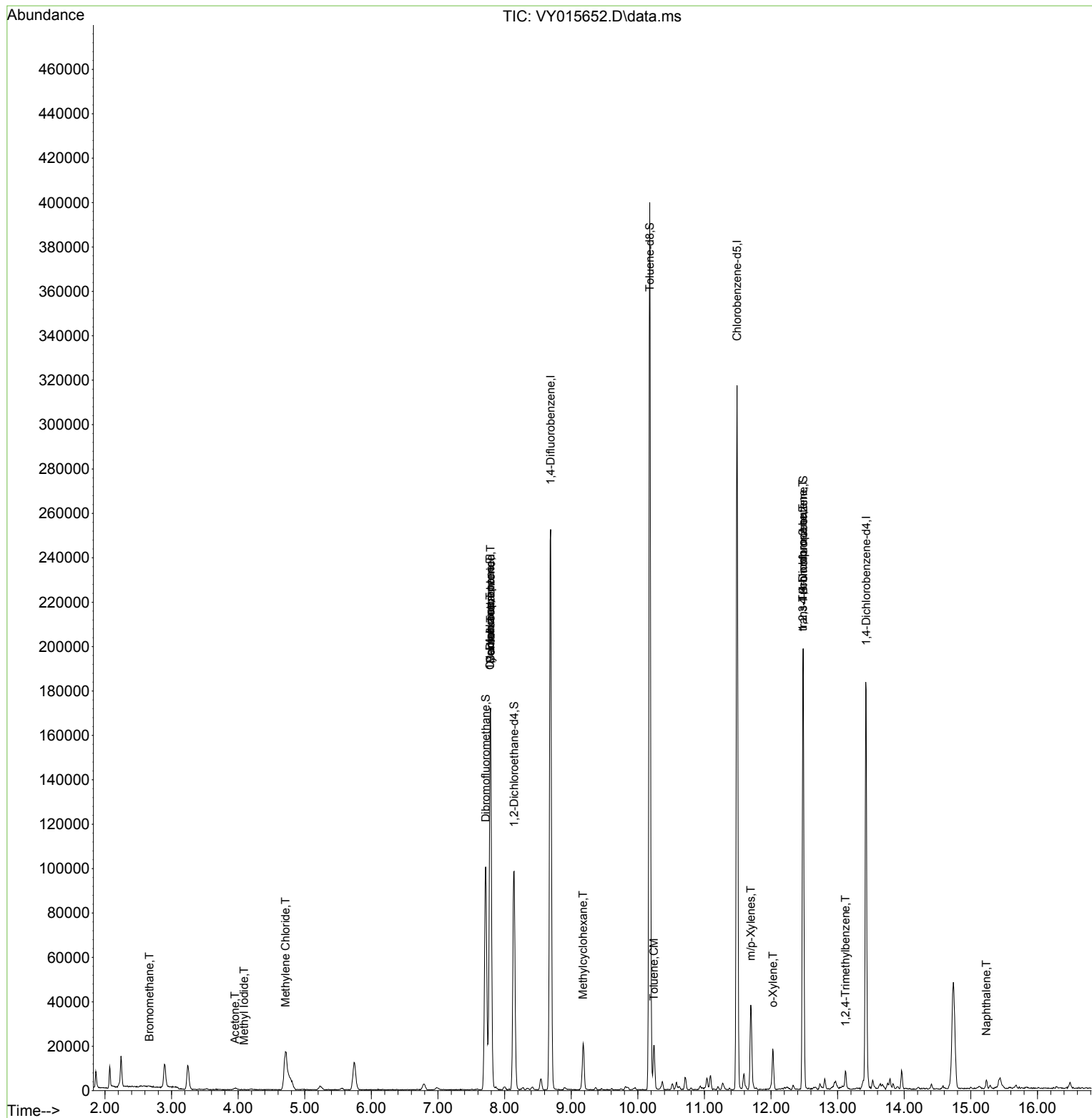
Internal Standards						
1) Pentafluorobenzene	7.789	168	130075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	219474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	171616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	79229	55.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.720%	
35) Dibromofluoromethane	7.716	113	71452	54.393	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.780%	
50) Toluene-d8	10.179	98	252297	56.645	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.280%	
62) 4-Bromofluorobenzene	12.483	95	59287	33.919	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.840%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	156	2.677	ug/l	82
10) Methyl Iodide	4.088	142	97	2.789	ug/l #	38
11) Tert butyl alcohol	4.948	59	186	Below Cal	#	89
16) Acetone	3.954	43	1564	2.042	ug/l	91
20) Methylene Chloride	4.710	84	12420	2.839	ug/l	92
31) Cyclohexane	7.783	56	6131	3.092	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	10003	5.150	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12765	6.055	ug/l #	15
39) Methylcyclohexane	9.179	83	8525	3.968	ug/l	91
52) Toluene	10.240	92	8534	2.235	ug/l	98
68) m/p-Xylenes	11.697	106	11380	4.573	ug/l	95
69) o-Xylene	12.032	106	4779	1.958	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	31147	41.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	31147	92.655	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.117	105	3983	1.336	ug/l	95
95) Naphthalene	15.233	128	3281	1.249	ug/l #	95

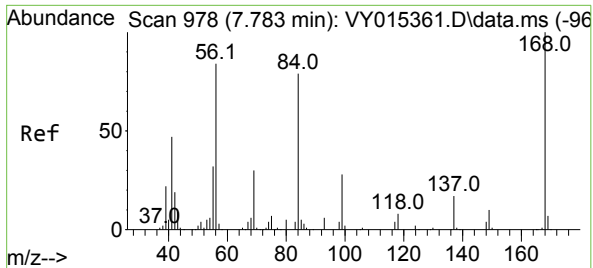
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
Data File : VY015652.D
Acq On : 20 Sep 2023 12:35
Operator : SY/MD
Sample : 04491-07RE
Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 21 03:39:26 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

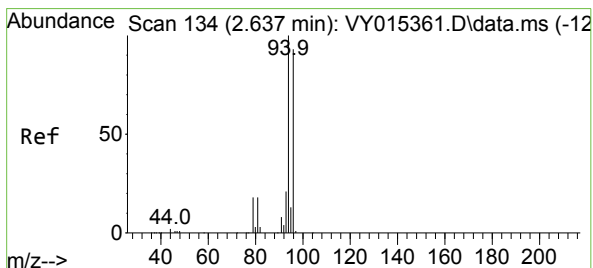
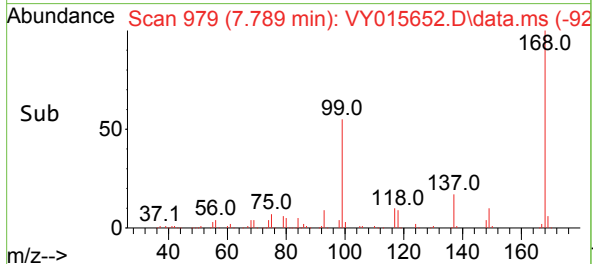
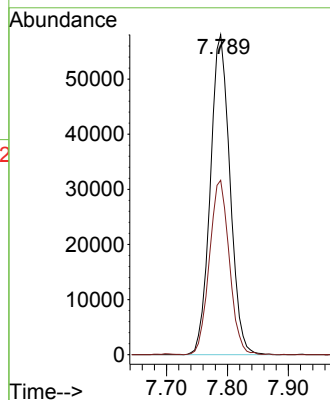
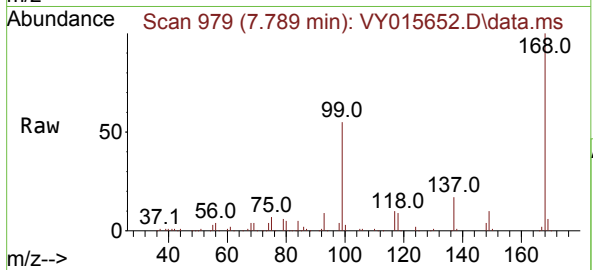




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

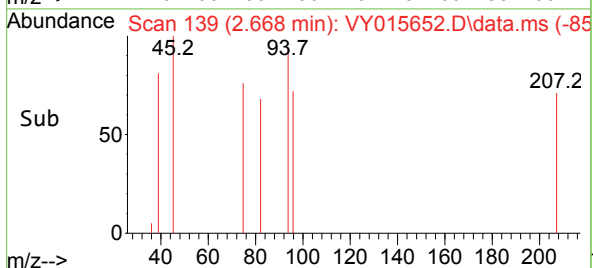
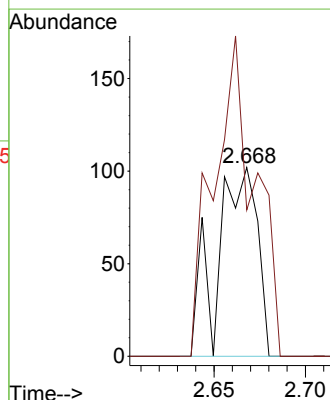
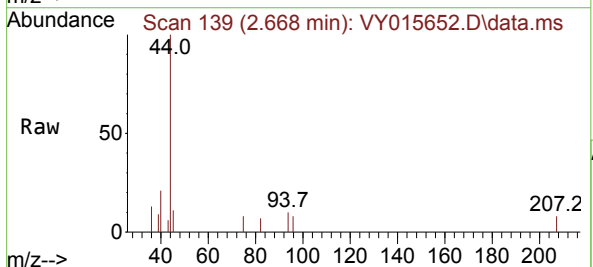
Instrument :
MSVOA_Y
ClientSampleId :

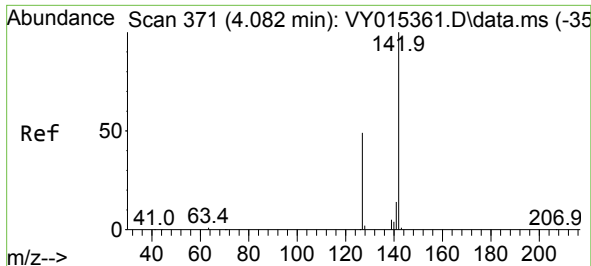
Tgt Ion:168 Resp: 130075
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#5
Bromomethane
Concen: 2.677 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

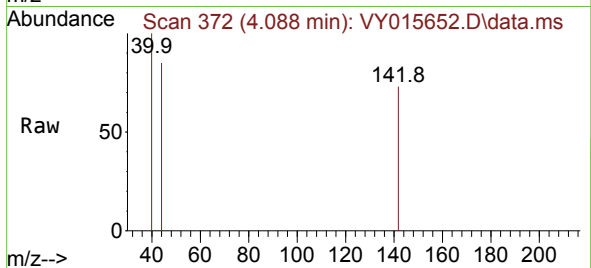
Tgt Ion: 94 Resp: 156
Ion Ratio Lower Upper
94 100
96 77.5 75.8 113.6



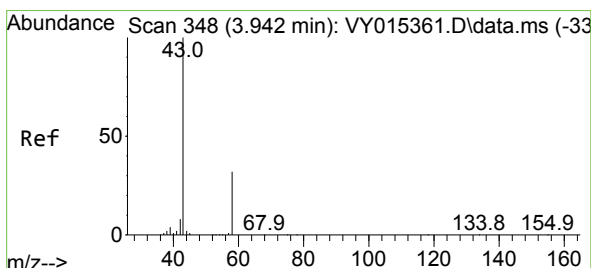
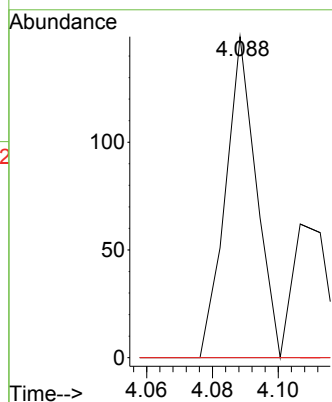


#10
Methyl Iodide
Concen: 2.789 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :

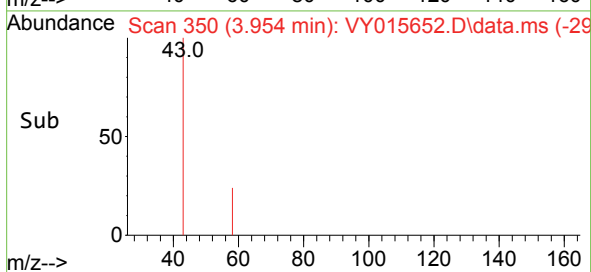
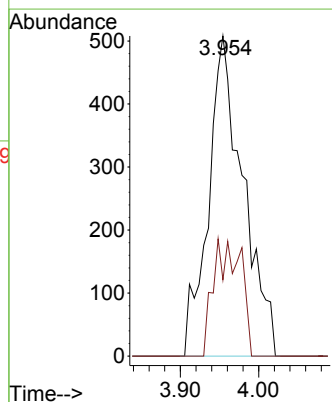
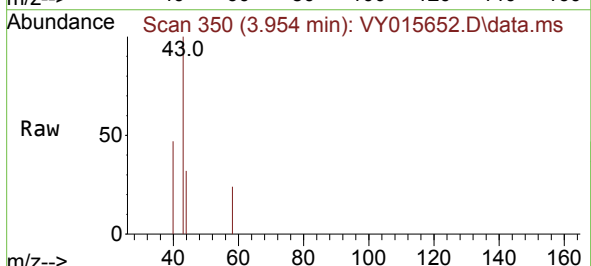


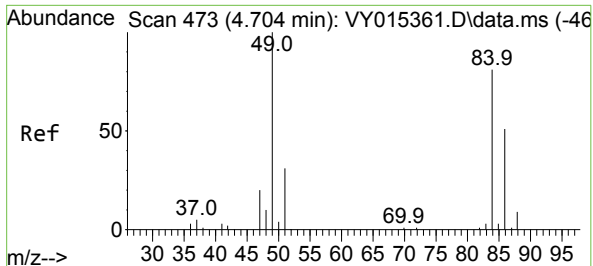
Tgt Ion:142 Resp: 97
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 2.042 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

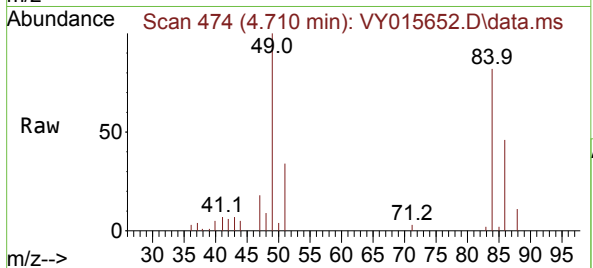
Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
58 23.8 22.7 34.1





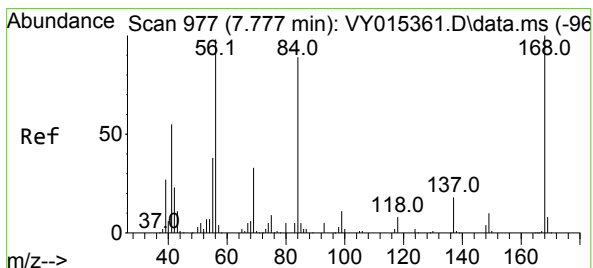
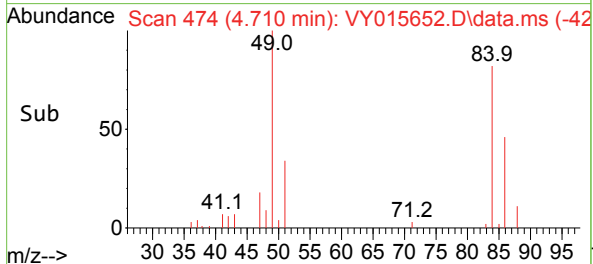
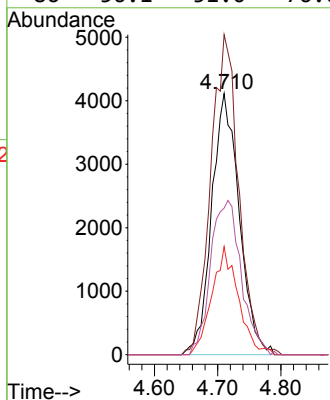
#20
Methylene Chloride
Concen: 2.839 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 12420

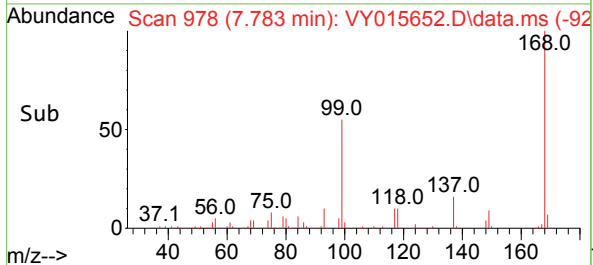
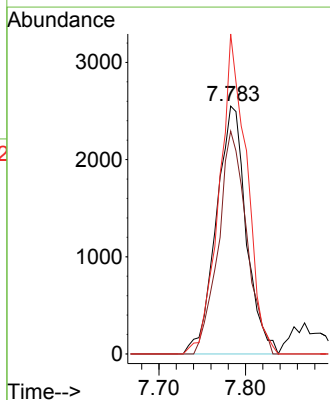
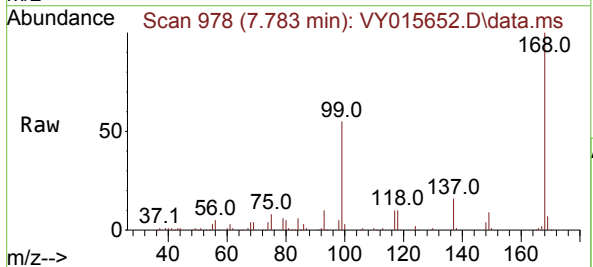
Ion	Ratio	Lower	Upper
84	100		
49	122.5	106.9	160.3
51	41.3	33.2	49.8
86	56.1	51.0	76.6

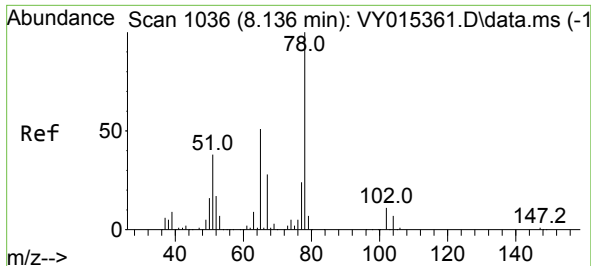


#31
Cyclohexane
Concen: 3.092 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Tgt Ion: 56 Resp: 6131

Ion	Ratio	Lower	Upper
56	100		
69	89.9	27.8	41.6#
84	129.1	66.4	99.6#

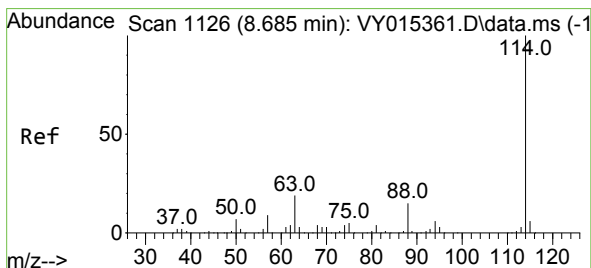
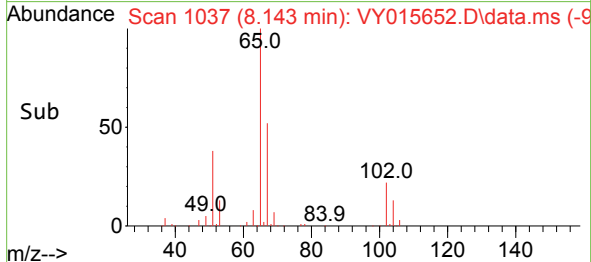
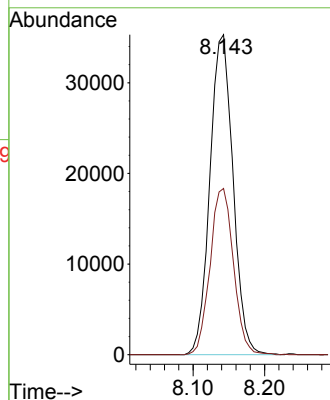
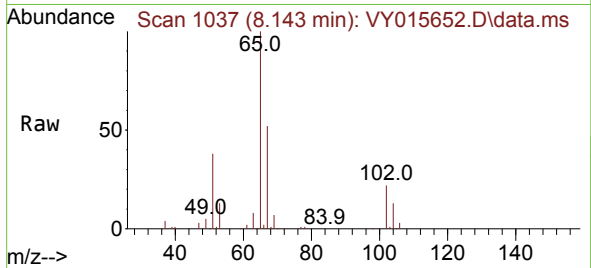




#33
 1,2-Dichloroethane-d4
 Concen: 55.359 ug/l
 RT: 8.143 min Scan# 110
 Delta R.T. 0.007 min
 Lab File: VY015652.D
 Acq: 20 Sep 2023 12:35

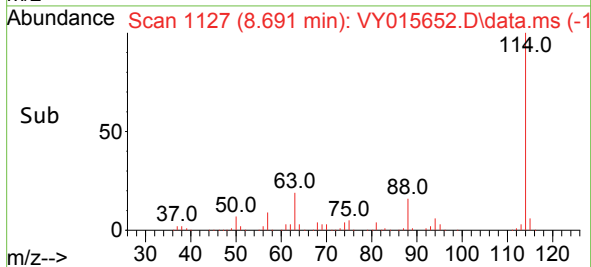
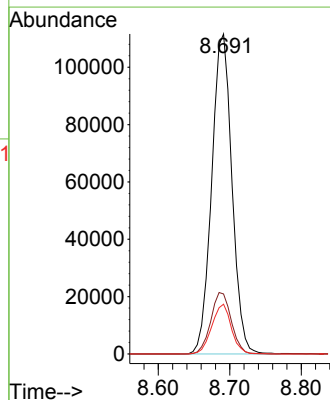
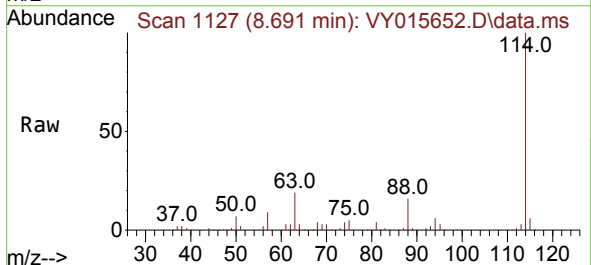
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 65 Resp: 79229
 Ion Ratio Lower Upper
 65 100
 67 52.6 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: VY015652.D
 Acq: 20 Sep 2023 12:35

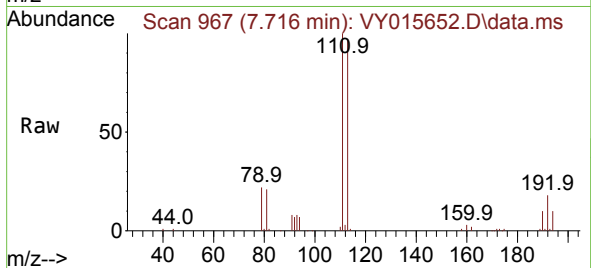
Tgt Ion: 114 Resp: 219474
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.4
 88 15.5 0.0 30.6



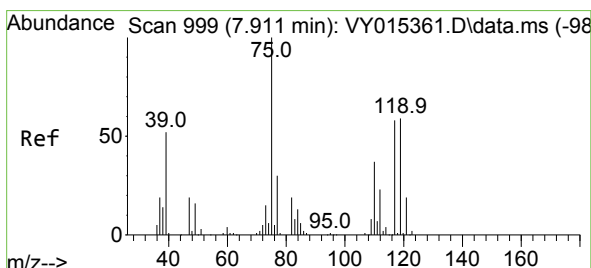
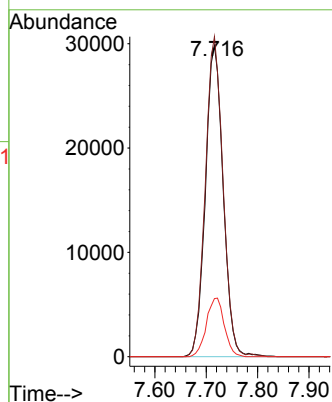
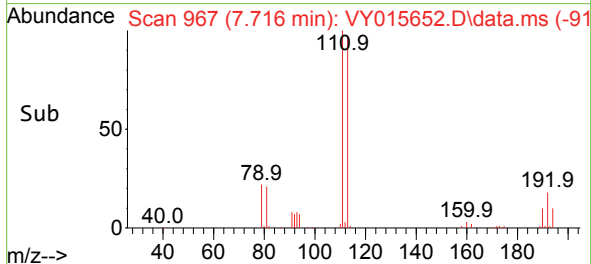


#35
Dibromofluoromethane
Concen: 54.393 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

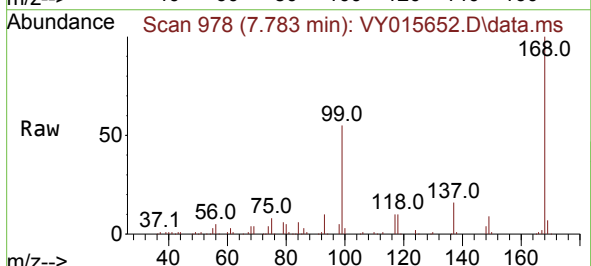
Instrument :
MSVOA_Y
ClientSampleId :



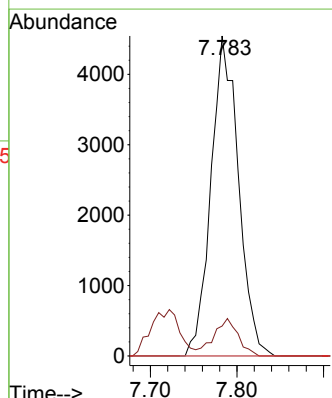
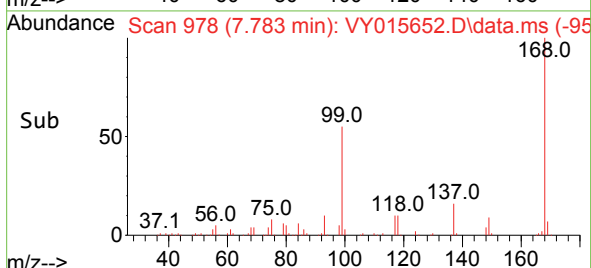
Tgt Ion:113 Resp: 71452
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.0 16.9 25.3

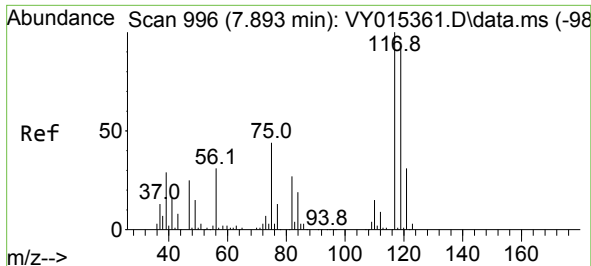


#36
1,1-Dichloropropene
Concen: 5.150 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35



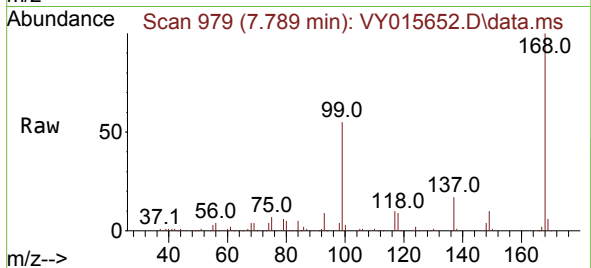
Tgt Ion: 75 Resp: 10003
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#



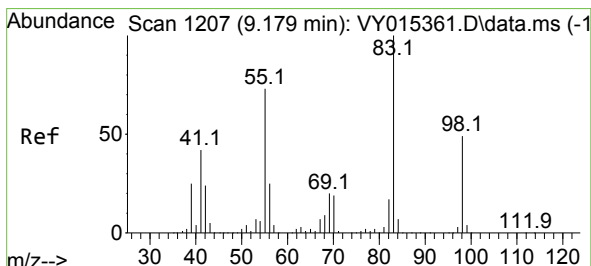
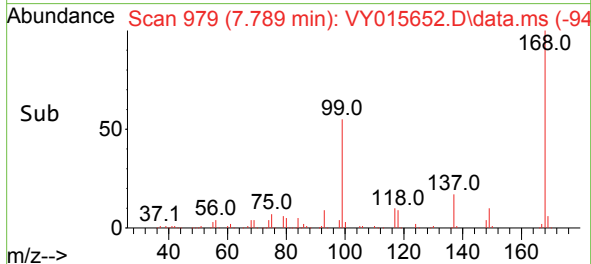
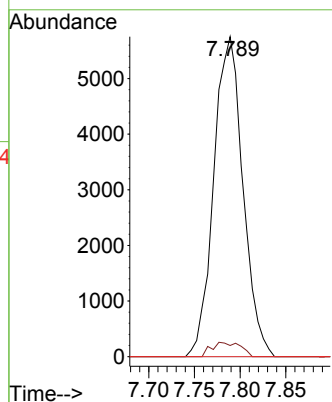


#38
Carbon Tetrachloride
Concen: 6.055 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :

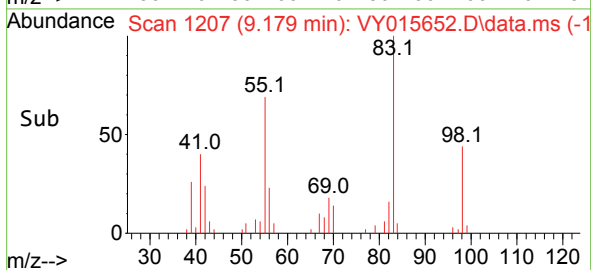
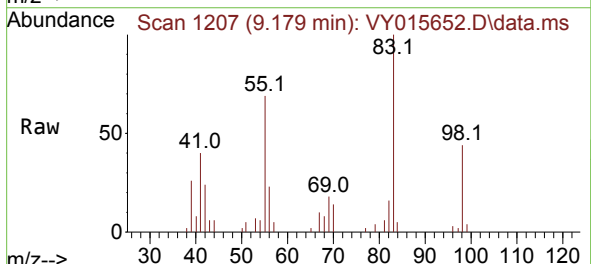
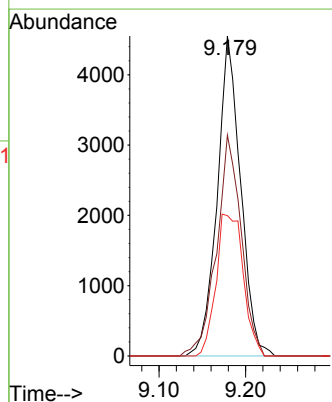


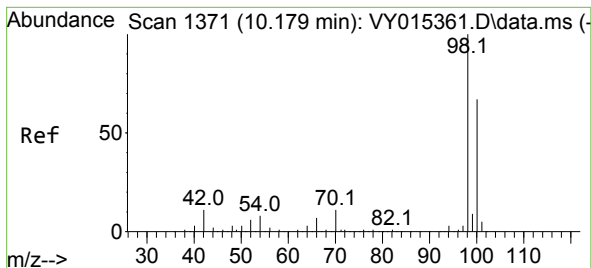
Tgt Ion:117 Resp: 12765
Ion Ratio Lower Upper
117 100
119 3.5 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 3.968 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Tgt Ion: 83 Resp: 8525
Ion Ratio Lower Upper
83 100
55 69.0 63.0 94.4
98 43.9 37.4 56.2





#50

Toluene-d8

Concen: 56.645 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015652.D

Acq: 20 Sep 2023 12:35

Instrument :

MSVOA_Y

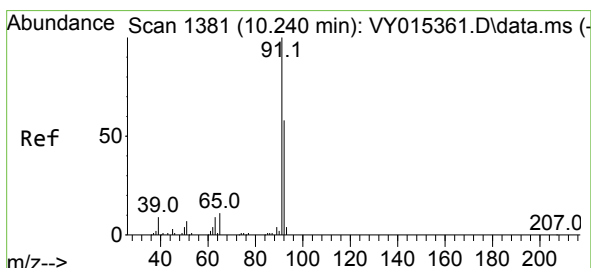
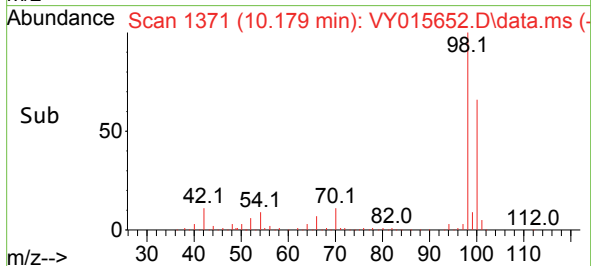
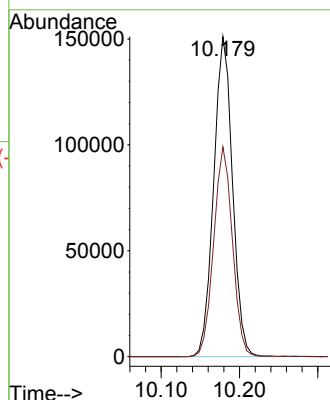
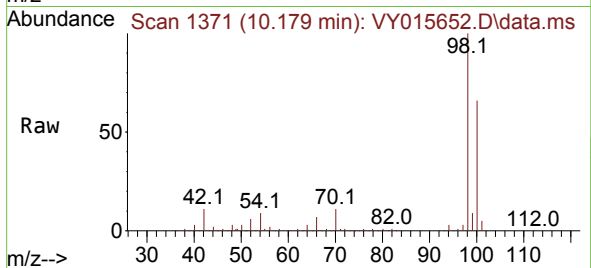
ClientSampleId :

Tgt Ion: 98 Resp: 252297

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#52

Toluene

Concen: 2.235 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY015652.D

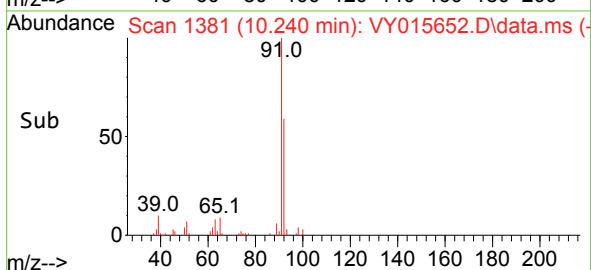
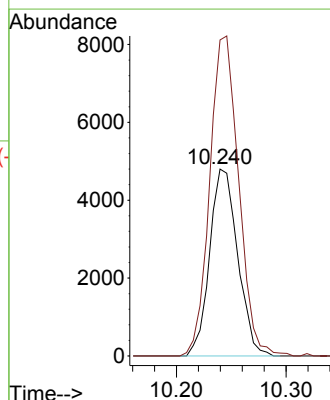
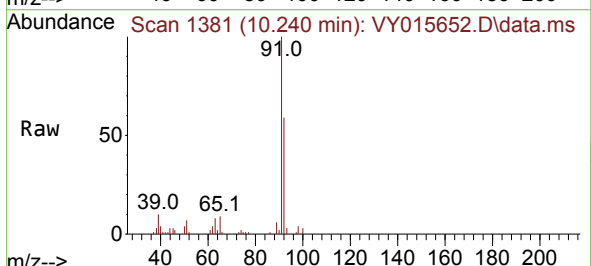
Acq: 20 Sep 2023 12:35

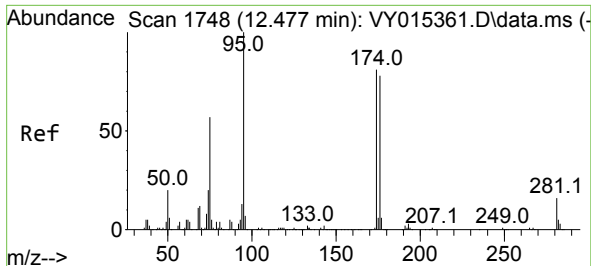
Tgt Ion: 92 Resp: 8534

Ion Ratio Lower Upper

92 100

91 176.6 143.8 215.6

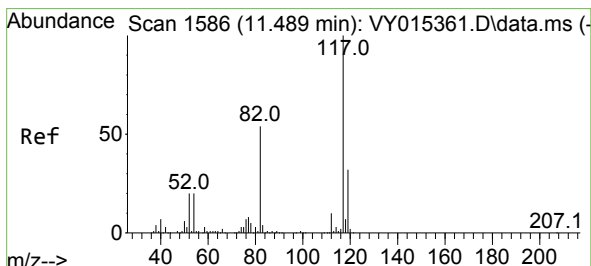
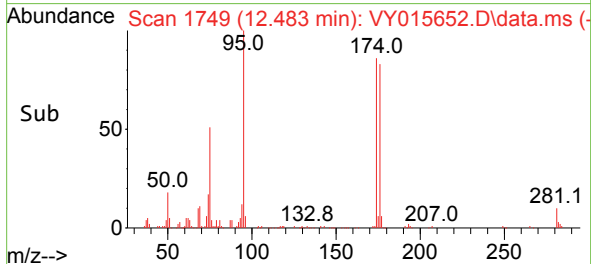
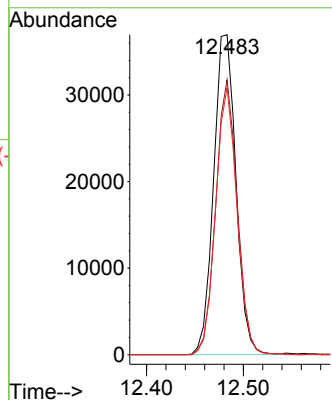
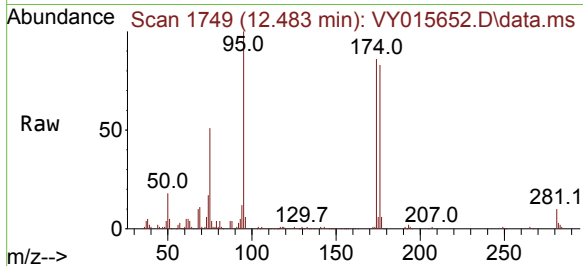




#62
4-Bromofluorobenzene
Concen: 33.919 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

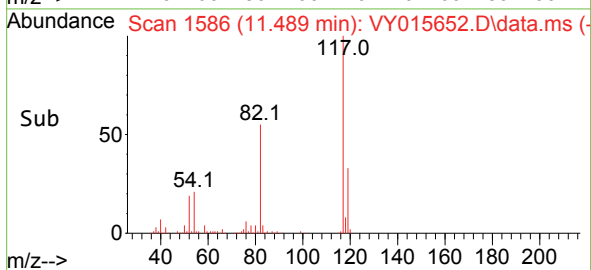
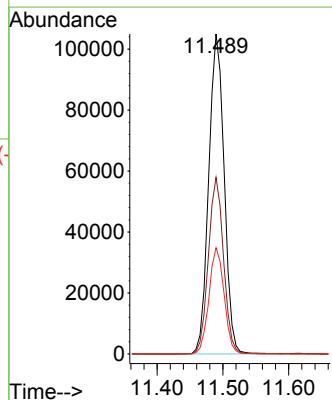
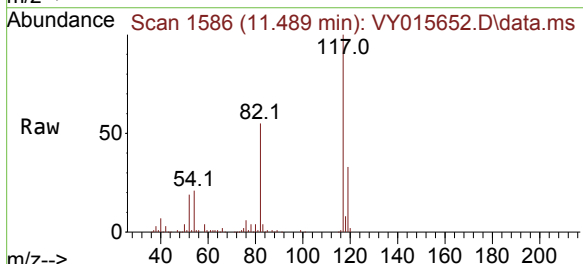
Instrument :
MSVOA_Y
ClientSampleId :

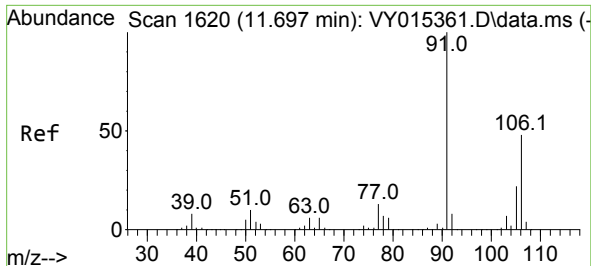
Tgt Ion: 95 Resp: 59287
Ion Ratio Lower Upper
95 100
174 82.6 0.0 178.2
176 79.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Tgt Ion: 117 Resp: 171616
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 33.2 26.3 39.5

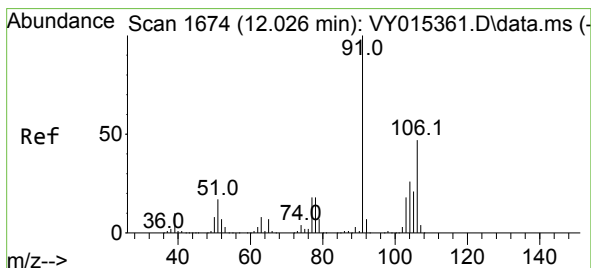
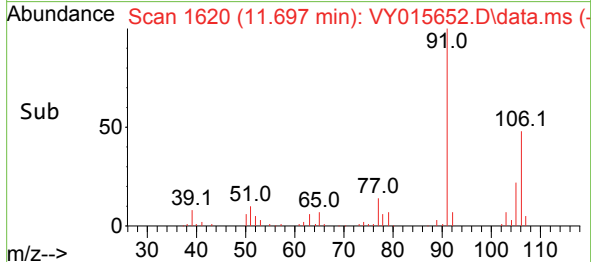
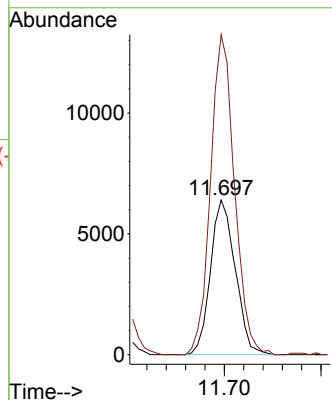
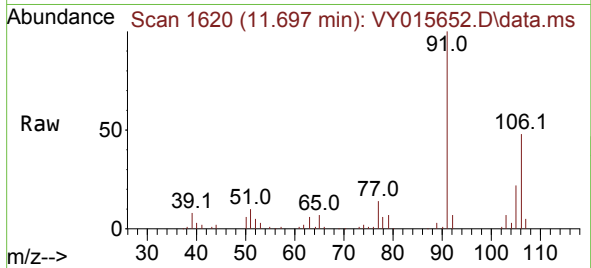




#68
m/p-Xylenes
Concen: 4.573 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

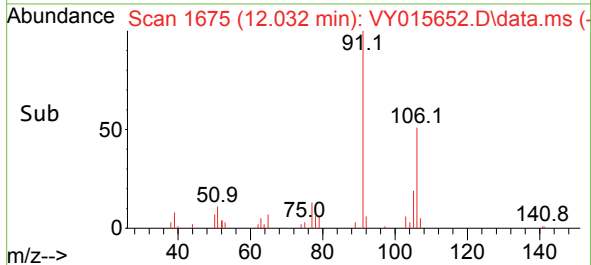
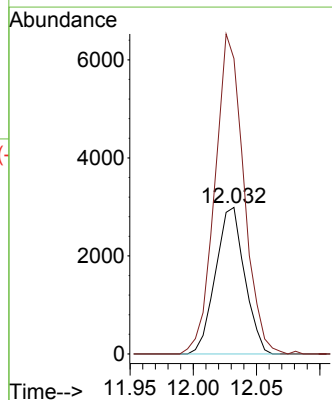
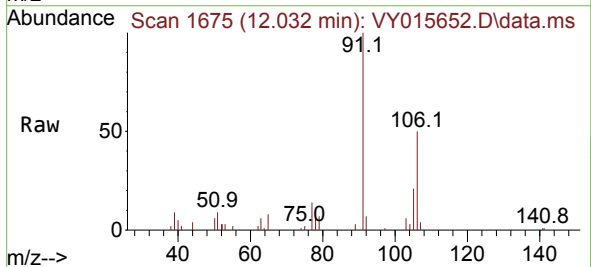
Instrument :
MSVOA_Y
ClientSampleId :

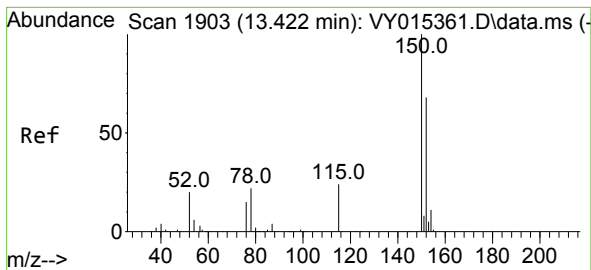
Tgt Ion:106 Resp: 11380
Ion Ratio Lower Upper
106 100
91 200.4 166.1 249.1



#69
o-Xylene
Concen: 1.958 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Tgt Ion:106 Resp: 4779
Ion Ratio Lower Upper
106 100
91 217.1 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015652.D

Acq: 20 Sep 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

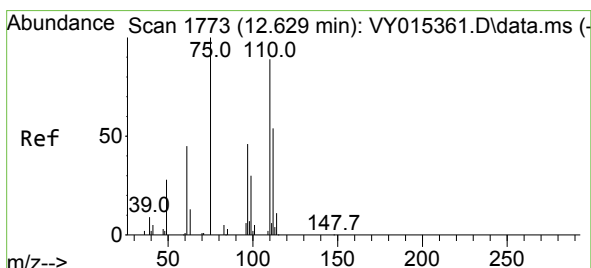
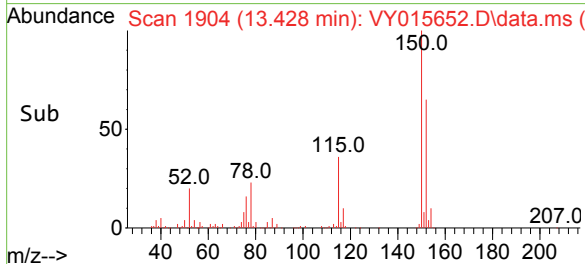
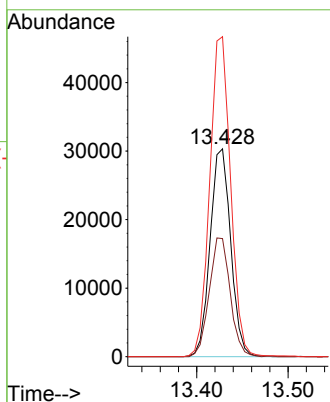
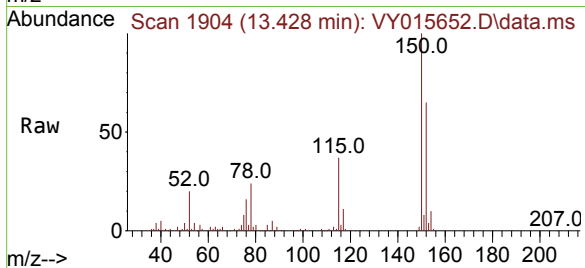
Tgt Ion:152 Resp: 47451

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.145 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015652.D

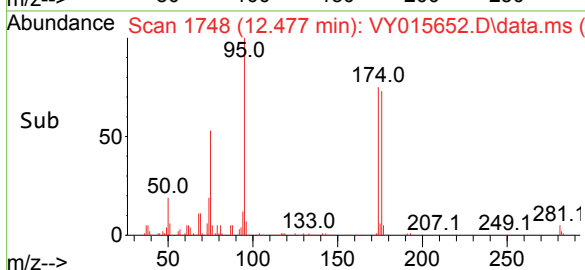
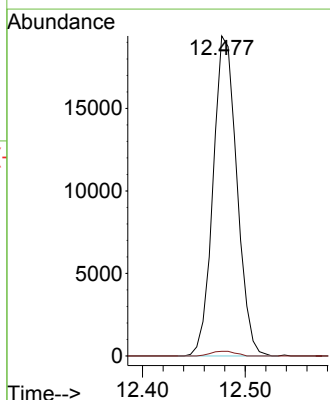
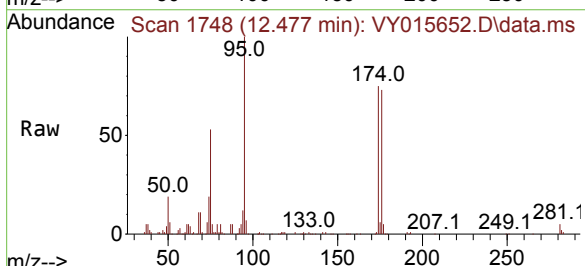
Acq: 20 Sep 2023 12:35

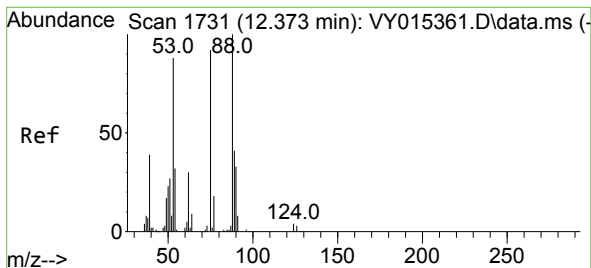
Tgt Ion: 75 Resp: 31147

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

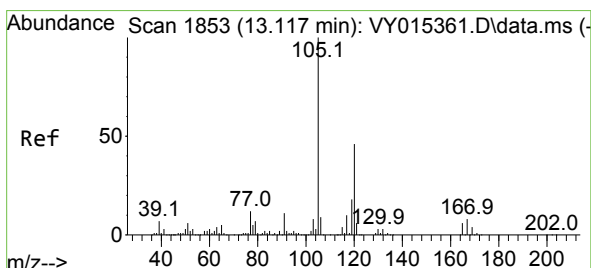
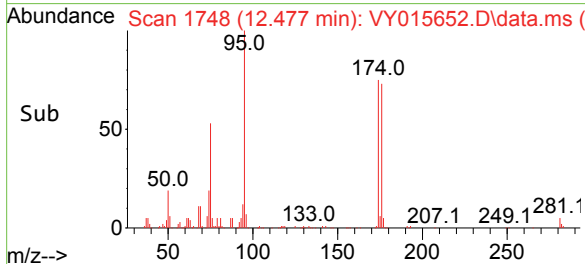
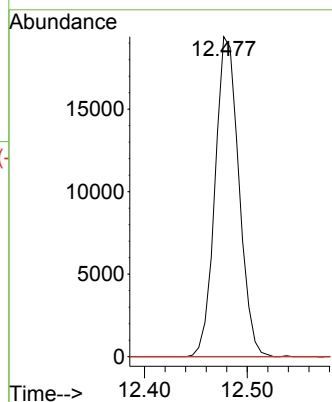
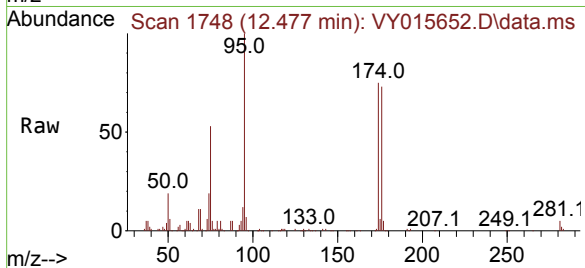




#81
trans-1,4-Dichloro-2-butene
Concen: 92.655 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

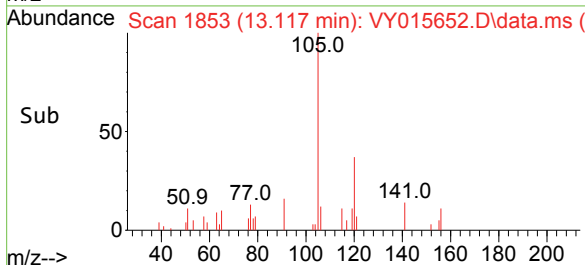
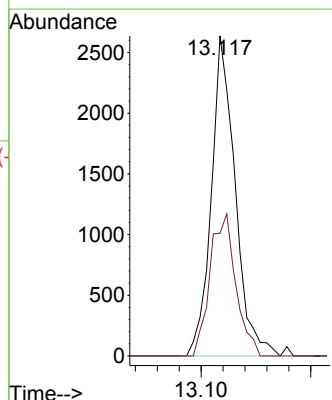
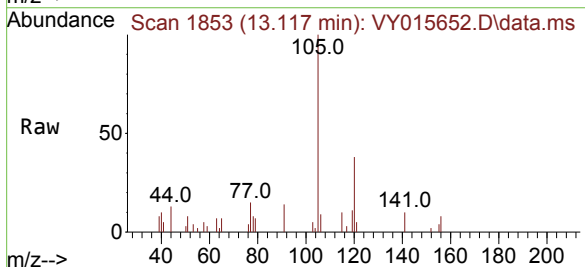
Instrument :
MSVOA_Y
ClientSampleId :

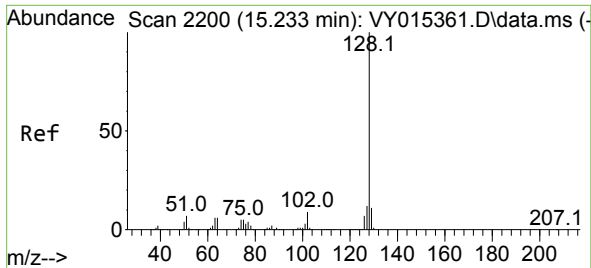
Tgt Ion: 75 Resp: 31147
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.336 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

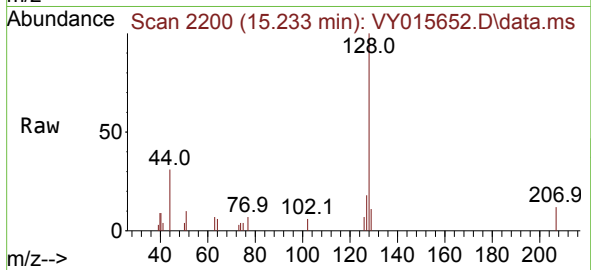
Tgt Ion: 105 Resp: 3983
Ion Ratio Lower Upper
105 100
120 47.9 22.2 66.6





#95
Naphthalene
Concen: 1.249 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 3281
Ion Ratio Lower Upper
128 100
127 17.2 10.8 16.2#
129 10.5 8.6 13.0

