

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015766.D
 Acq On : 29 Sep 2023 20:13
 Operator : SY/MD
 Sample : 04657-02
 Misc : 6.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 01:18:30 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)

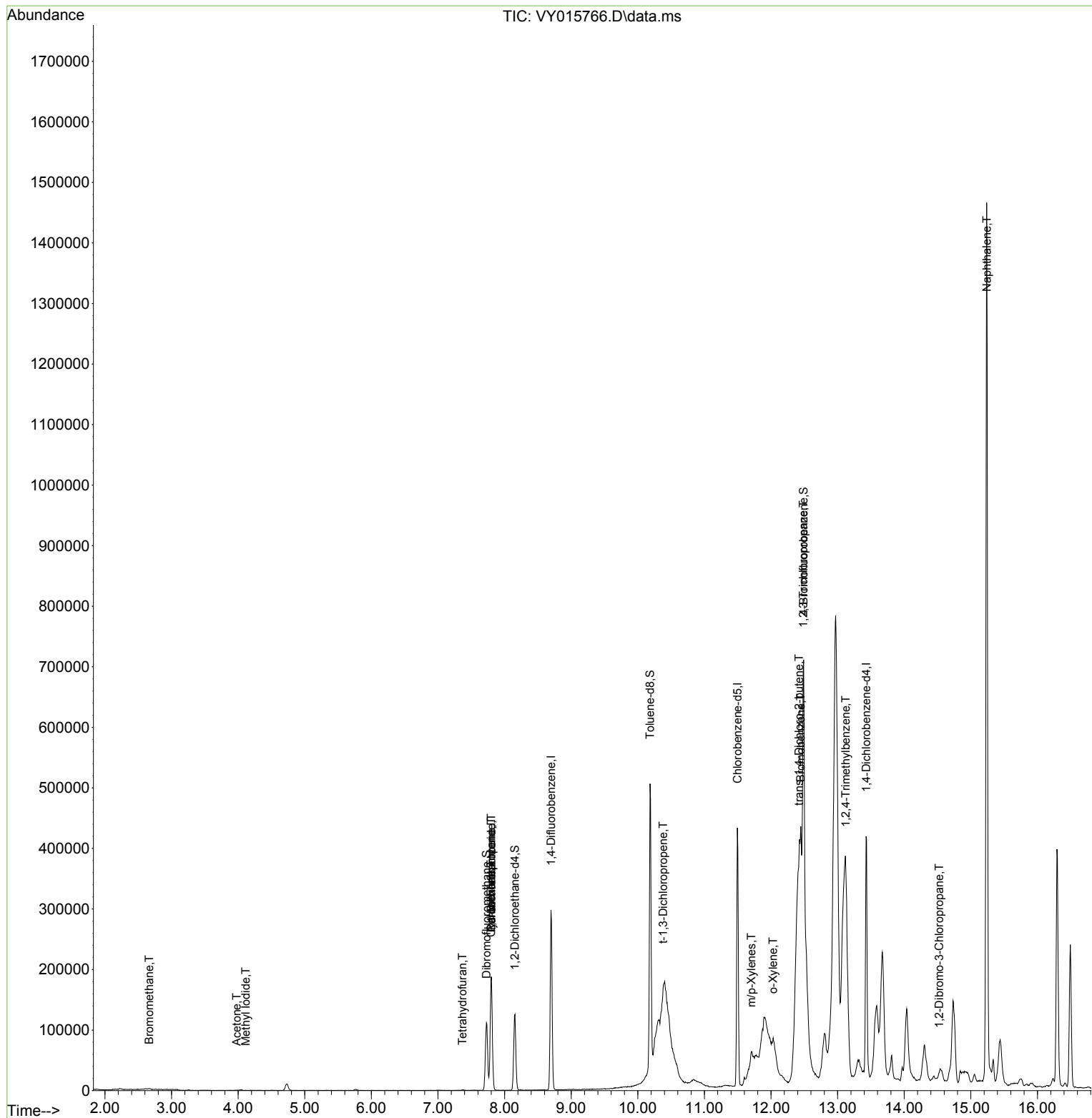
Internal Standards						
1) Pentafluorobenzene	7.801	168	147076	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	254455	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	235557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	98290	60.739	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.480%	
35) Dibromofluoromethane	7.728	113	80461	52.831	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.660%	
50) Toluene-d8	10.185	98	304187	58.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.820%	
62) 4-Bromofluorobenzene	12.489	95	108365	53.474	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	260	2.734	ug/l #	67
10) Methyl Iodide	4.113	142	71	2.768	ug/l #	71
11) Tert butyl alcohol	4.984	59	141	Below Cal	#	89
16) Acetone	3.979	43	1033	1.193	ug/l #	46
20) Methylene Chloride	4.728	84	8665	Below Cal		89
29) Tetrahydrofuran	7.368	42	798	1.153	ug/l #	53
31) Cyclohexane	7.795	56	2804	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	10858	4.822	ug/l #	50
38) Carbon Tetrachloride	7.801	117	14920	6.104	ug/l #	17
53) t-1,3-Dichloropropene	10.380	75	8460	2.889	ug/l #	1
68) m/p-Xylenes	11.703	106	5014	1.468	ug/l	94
69) o-Xylene	12.032	106	3512	1.049	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	67872	40.553	ug/l #	100
77) Bromobenzene	12.447	156	796267	412.180	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.422	75	11826	15.912	ug/l #	29
84) 1,2,4-Trimethylbenzene	13.123	105	10229	1.552	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.525	75	444	1.021	ug/l	56
95) Naphthalene	15.239	128	1161354	199.970	ug/l	99

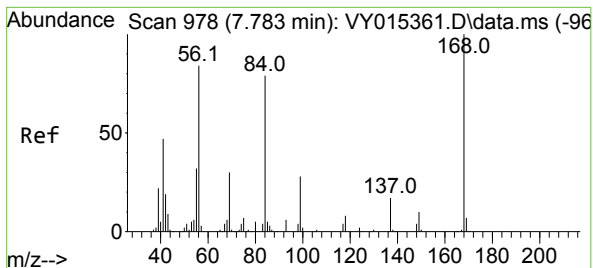
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 91

Delta R.T. 0.018 min

Lab File: VY015766.D

Acq: 29 Sep 2023 20:13

Instrument :

MSVOA_Y

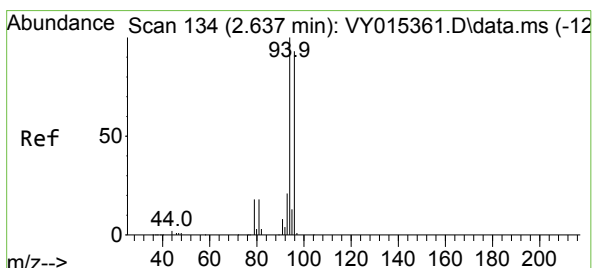
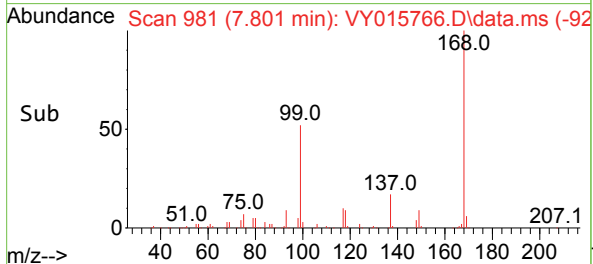
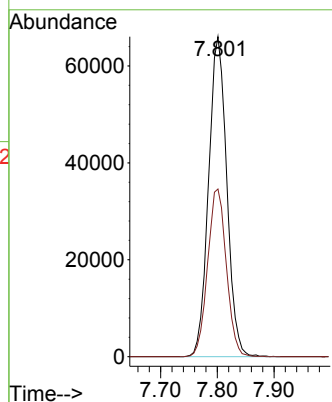
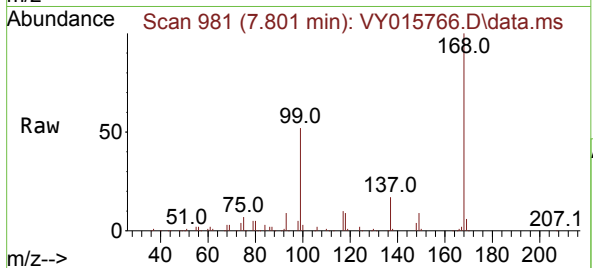
ClientSampleId :

Tgt Ion:168 Resp: 147076

Ion Ratio Lower Upper

168 100

99 52.4 43.4 65.0



#5

Bromomethane

Concen: 2.734 ug/l

RT: 2.662 min Scan# 138

Delta R.T. 0.025 min

Lab File: VY015766.D

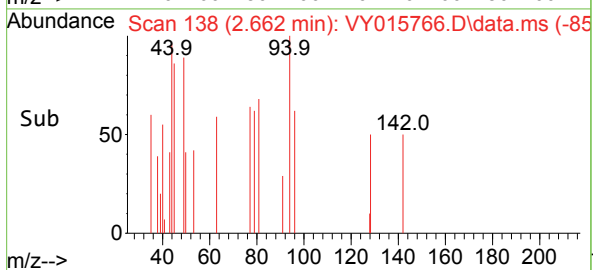
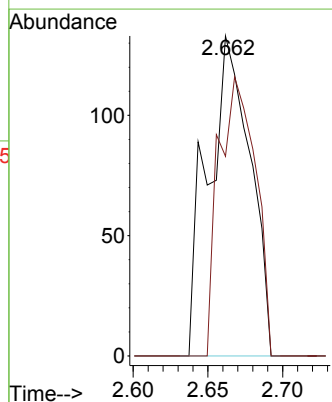
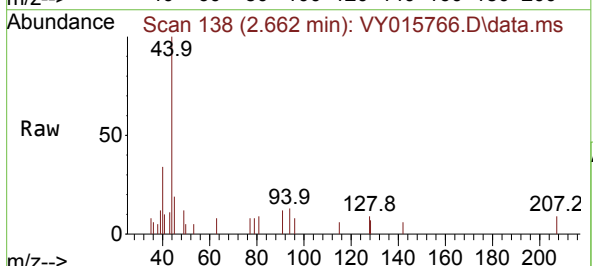
Acq: 29 Sep 2023 20:13

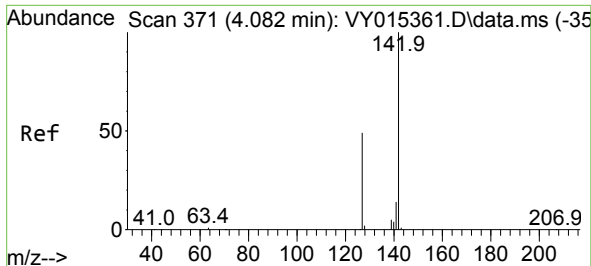
Tgt Ion: 94 Resp: 260

Ion Ratio Lower Upper

94 100

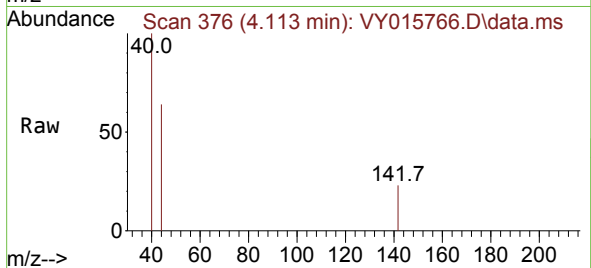
96 62.4 75.8 113.6#



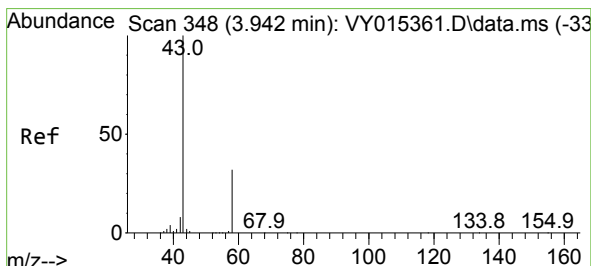
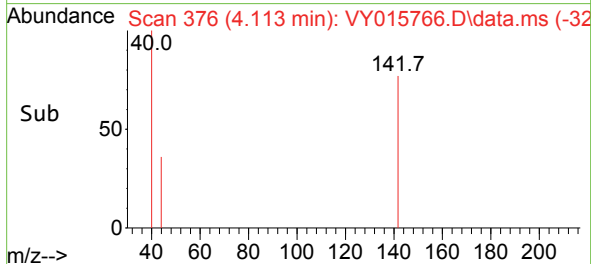
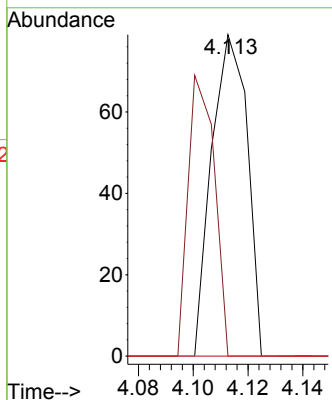


#10
Methyl Iodide
Concen: 2.768 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.031 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Instrument :
MSVOA_Y
ClientSampleId :

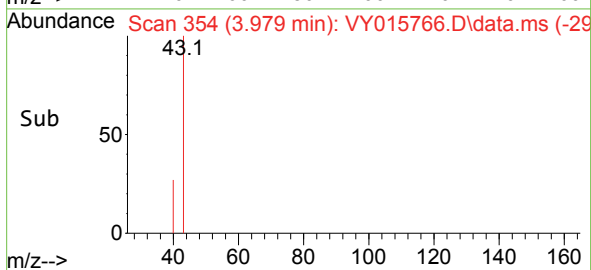
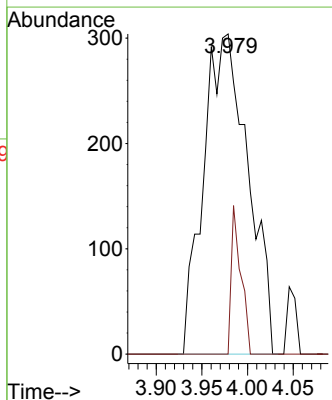
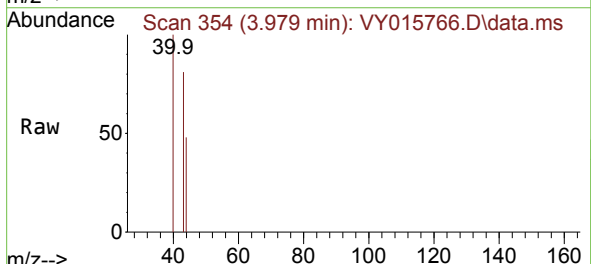


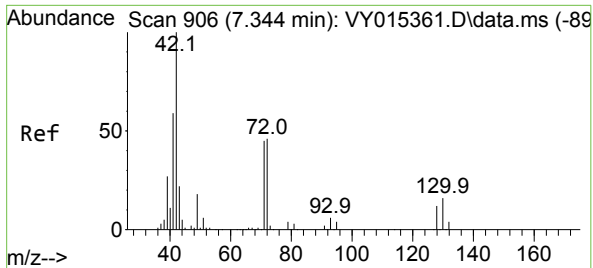
Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 64.8 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.193 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.037 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

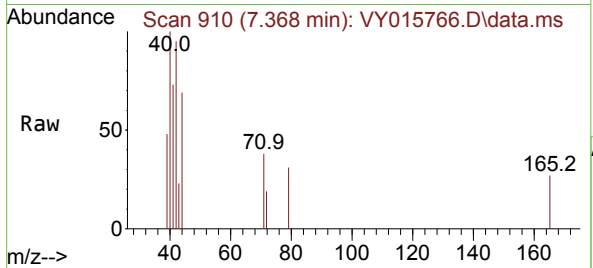
Tgt Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



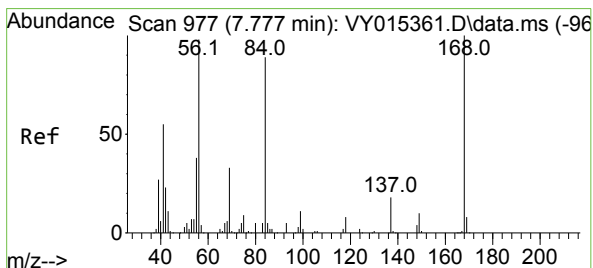
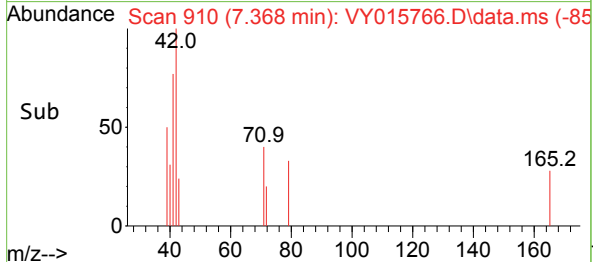
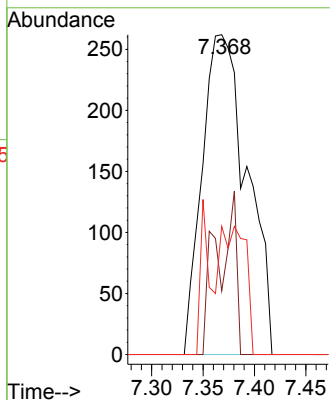


#29
Tetrahydrofuran
Concen: 1.153 ug/l
RT: 7.368 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Instrument :
MSVOA_Y
ClientSampleId :

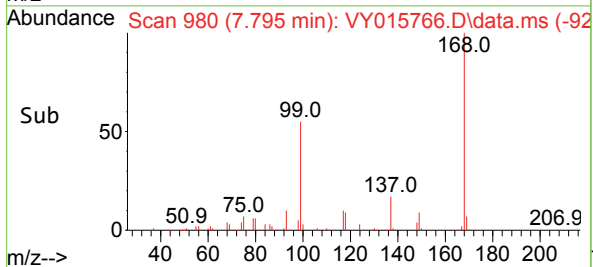
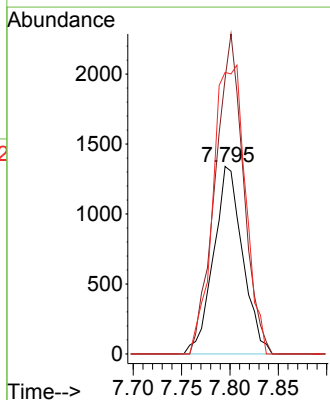
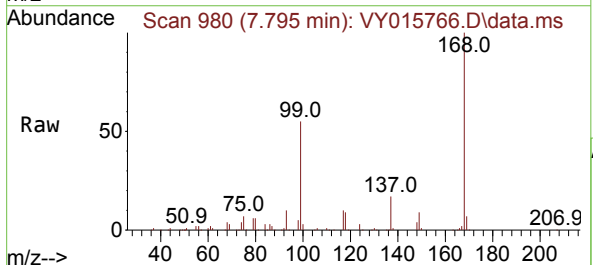


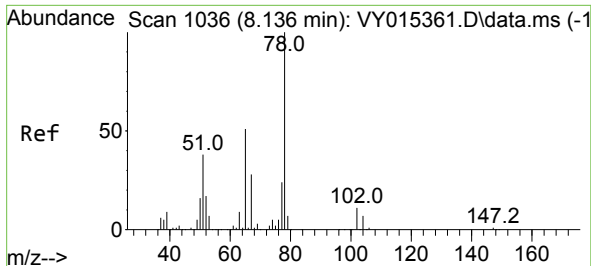
Tgt Ion: 42 Resp: 798
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 22.3 31.0 46.4#



#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion: 56 Resp: 2804
Ion Ratio Lower Upper
56 100
69 146.8 27.8 41.6#
84 150.2 66.4 99.6#

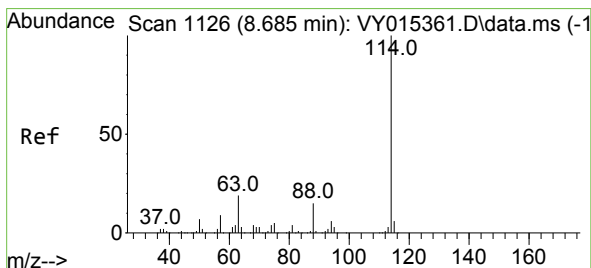
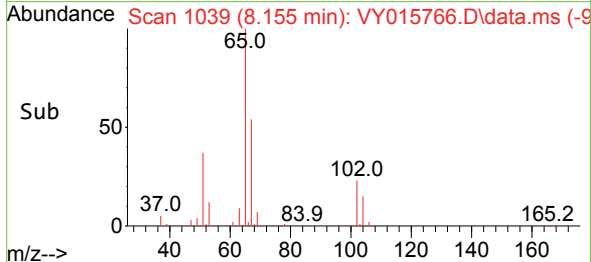
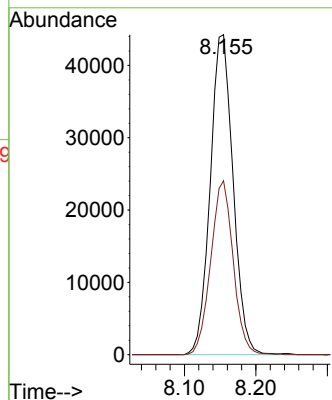
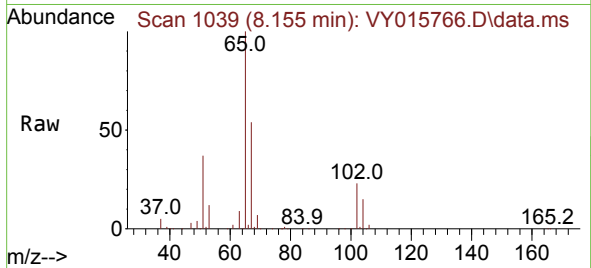




#33
 1,2-Dichloroethane-d4
 Concen: 60.739 ug/l
 RT: 8.155 min Scan# 110
 Delta R.T. 0.019 min
 Lab File: VY015766.D
 Acq: 29 Sep 2023 20:13

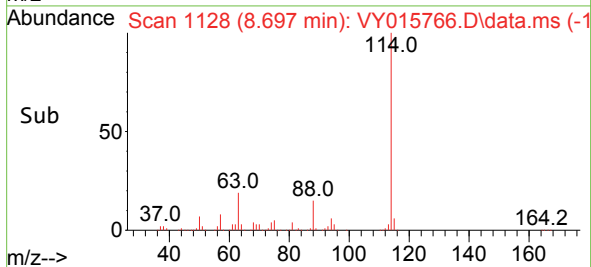
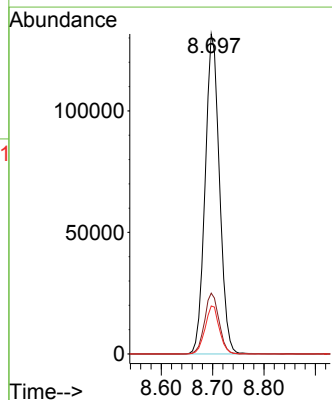
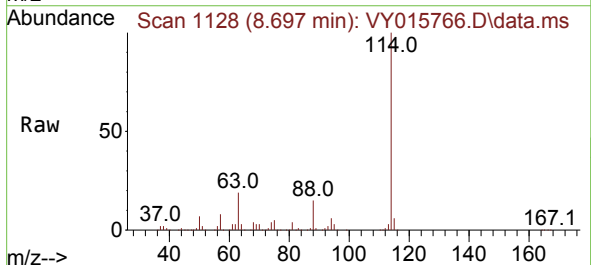
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 65 Resp: 98290
 Ion Ratio Lower Upper
 65 100
 67 53.3 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: VY015766.D
 Acq: 29 Sep 2023 20:13

Tgt Ion: 114 Resp: 254455
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 15.0 0.0 30.6

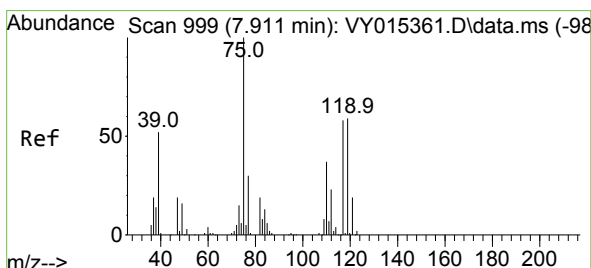
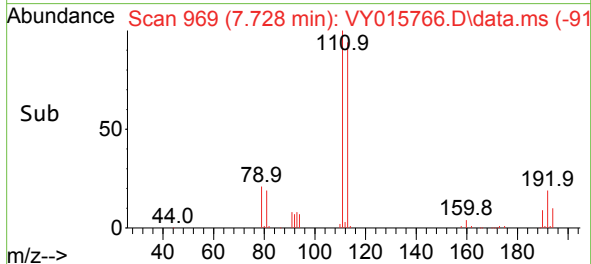
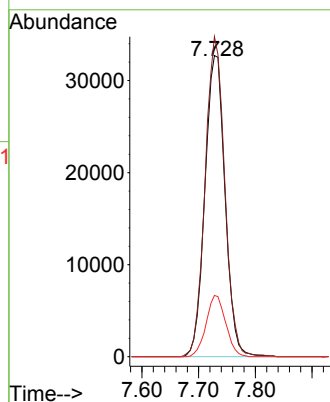
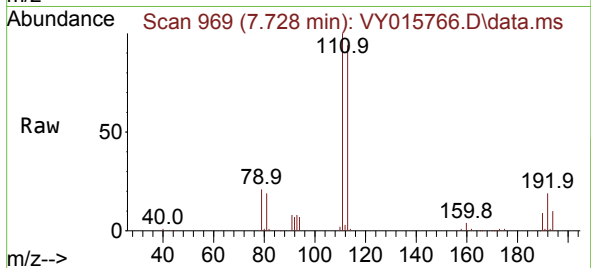




#35
Dibromofluoromethane
Concen: 52.831 ug/l
RT: 7.728 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

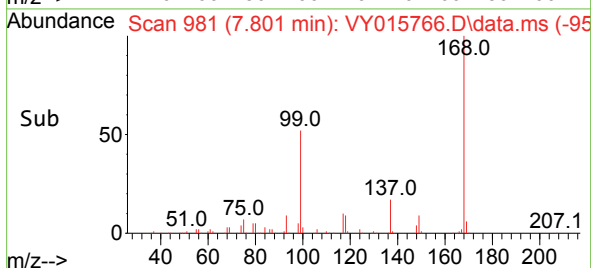
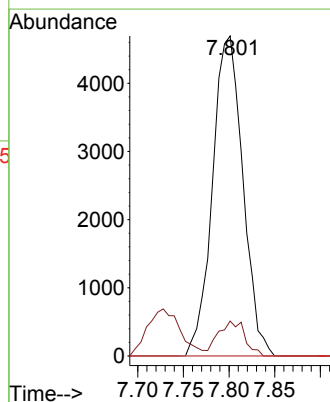
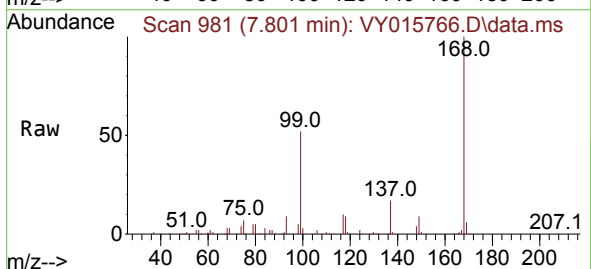
Instrument :
MSVOA_Y
ClientSampleId :

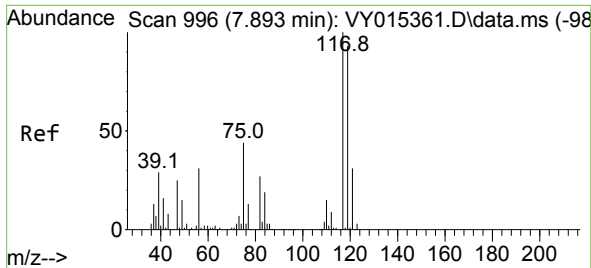
Tgt Ion:113 Resp: 80461
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

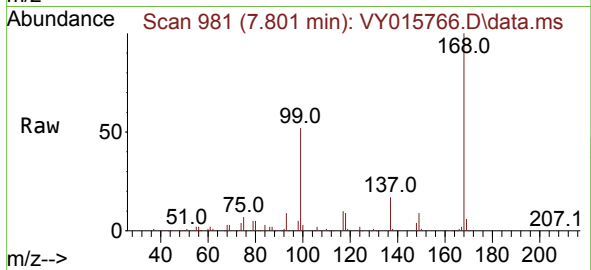
Tgt Ion: 75 Resp: 10858
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#



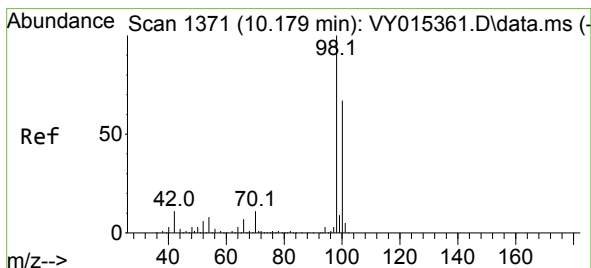
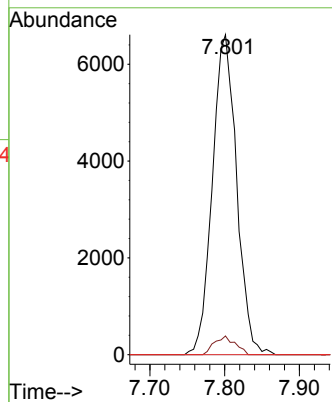
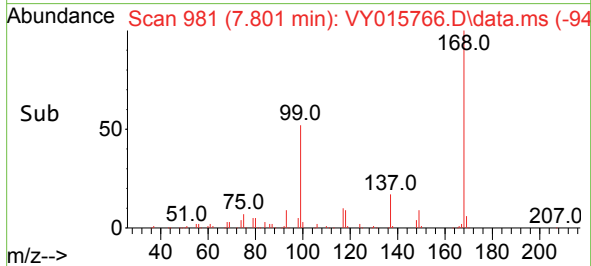


#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.092 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Instrument :
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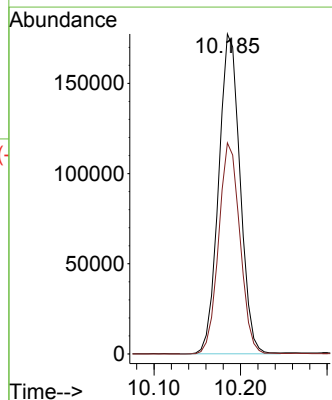
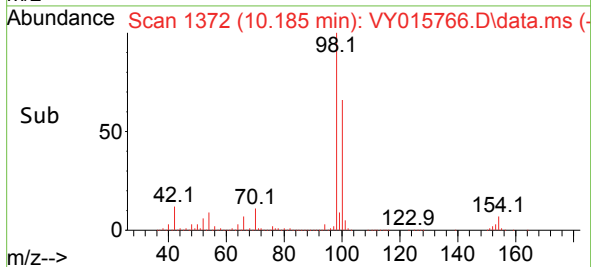
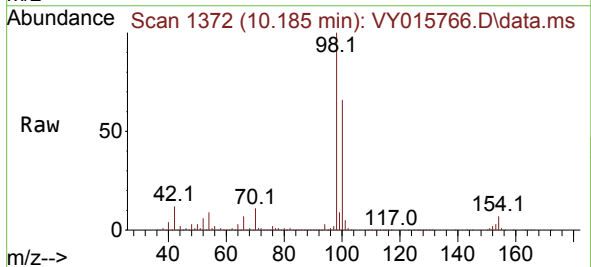


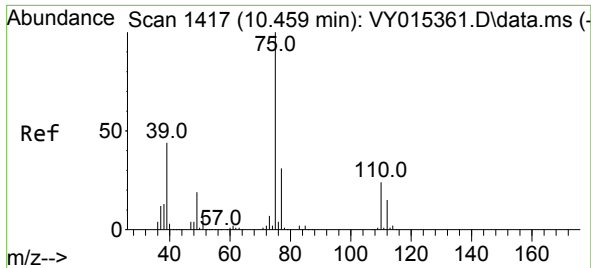
Tgt Ion:117 Resp: 14920
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.906 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion: 98 Resp: 304187
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

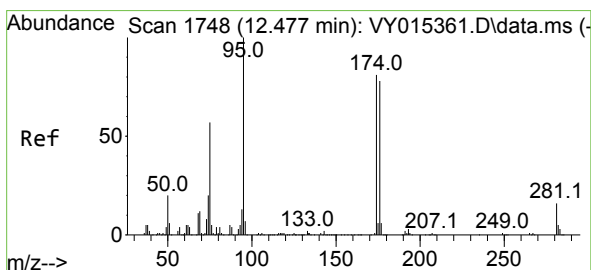
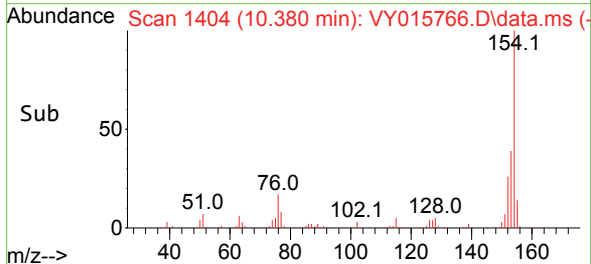
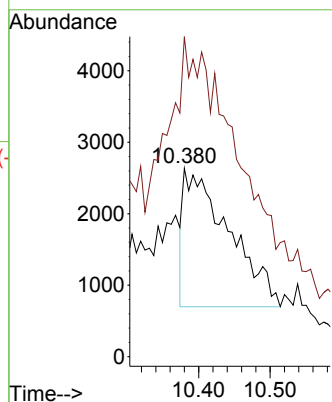
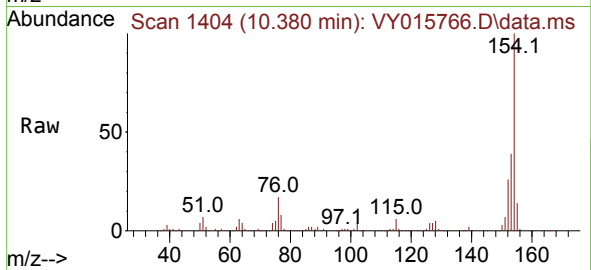




#53
t-1,3-Dichloropropene
Concen: 2.889 ug/l
RT: 10.380 min Scan# 1417
Delta R.T. -0.079 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

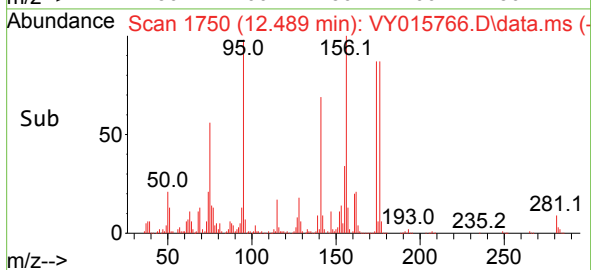
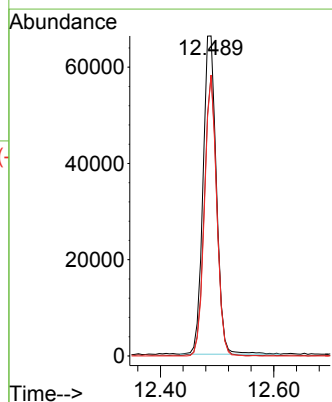
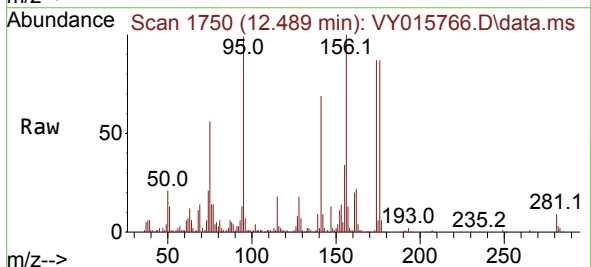
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 8460
Ion Ratio Lower Upper
75 100
77 148.7 25.0 37.4#



#62
4-Bromofluorobenzene
Concen: 53.474 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion: 95 Resp: 108365
Ion Ratio Lower Upper
95 100
174 81.8 0.0 178.2
176 80.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015766.D

Acq: 29 Sep 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

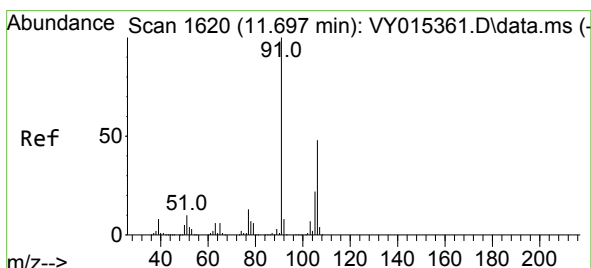
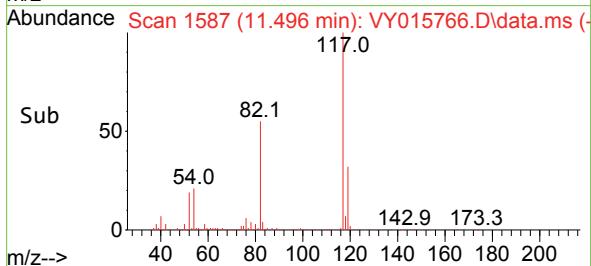
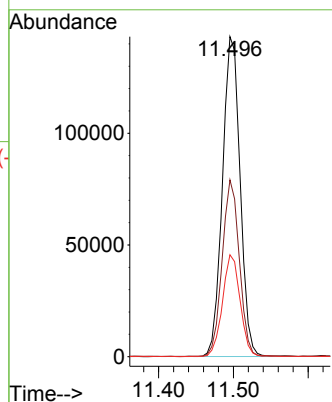
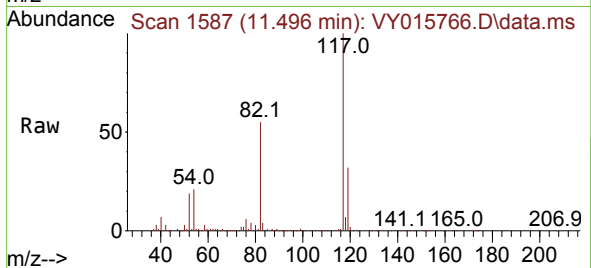
Tgt Ion:117 Resp: 235557

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 31.9 26.3 39.5



#68

m/p-Xylenes

Concen: 1.468 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY015766.D

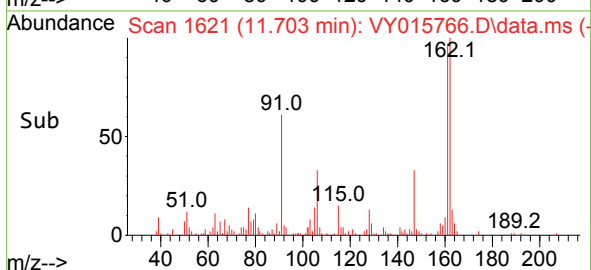
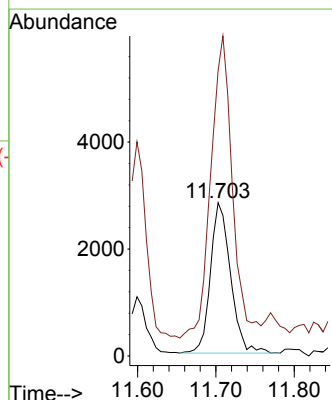
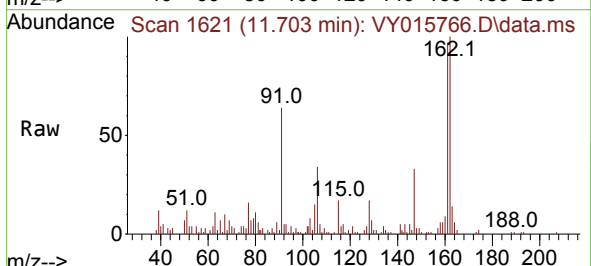
Acq: 29 Sep 2023 20:13

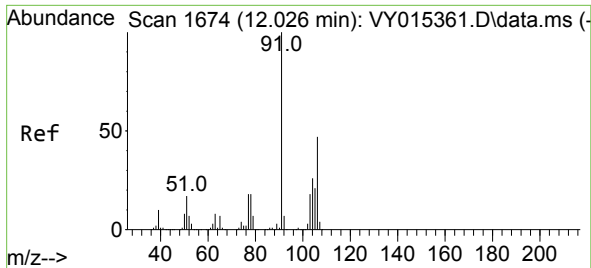
Tgt Ion:106 Resp: 5014

Ion Ratio Lower Upper

106 100

91 216.6 166.1 249.1

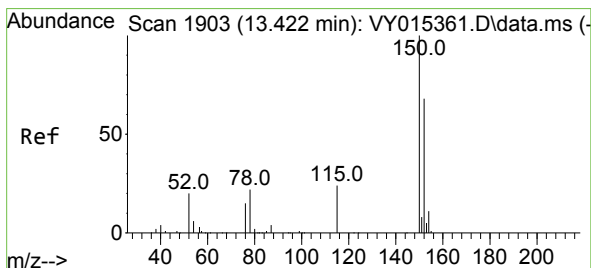
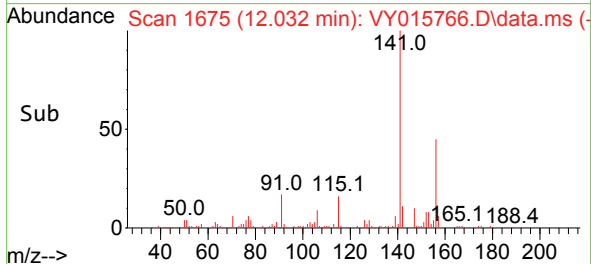
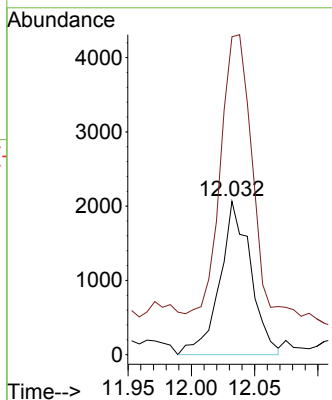
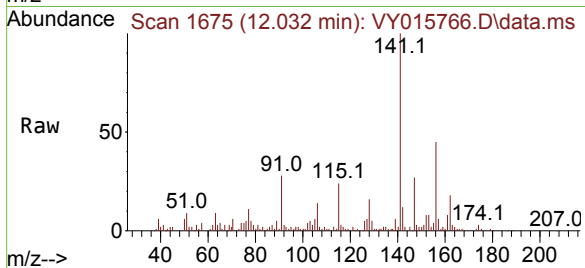




#69
o-Xylene
Concen: 1.049 ug/l
RT: 12.032 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

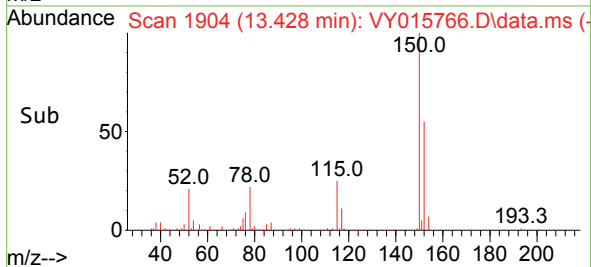
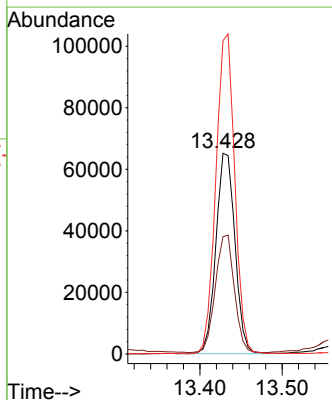
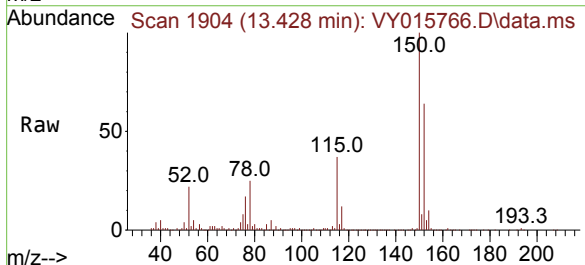
Instrument :
MSVOA_Y
ClientSampleId :

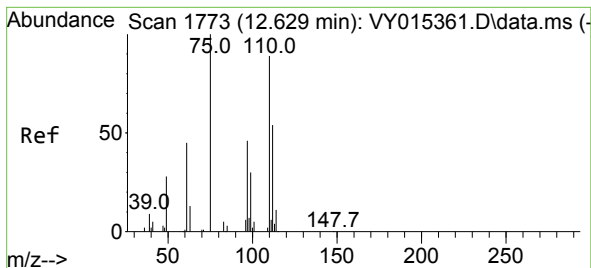
Tgt Ion:106 Resp: 3512
Ion Ratio Lower Upper
106 100
91 219.8 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion:152 Resp: 104910
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 158.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.553 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.146 min

Lab File: VY015766.D

Acq: 29 Sep 2023 20:13

Instrument :

MSVOA_Y

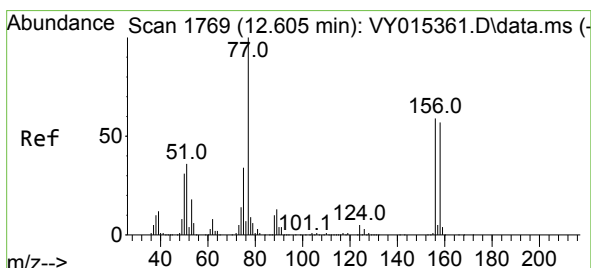
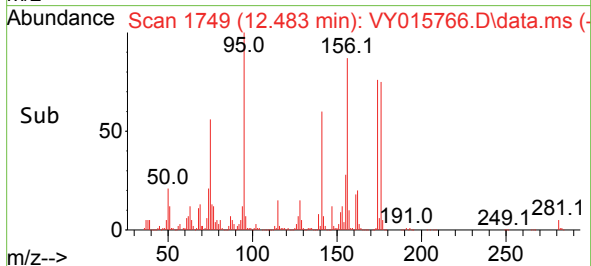
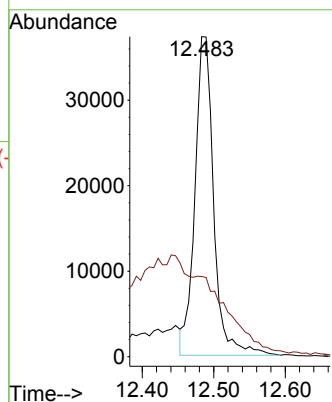
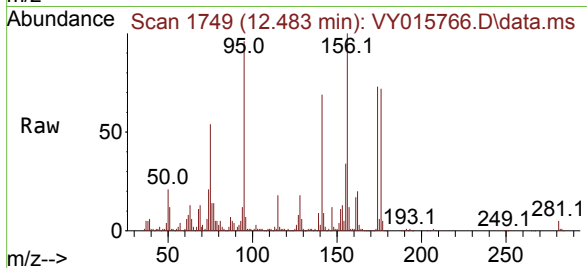
ClientSampleId :

Tgt Ion: 75 Resp: 67872

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 412.180 ug/l

RT: 12.447 min Scan# 1743

Delta R.T. -0.158 min

Lab File: VY015766.D

Acq: 29 Sep 2023 20:13

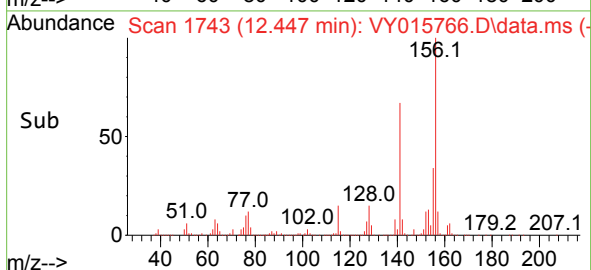
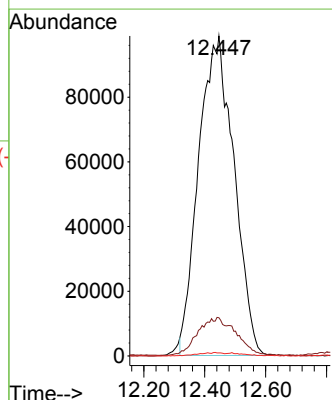
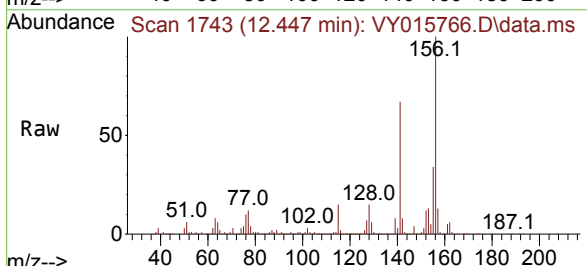
Tgt Ion:156 Resp: 796267

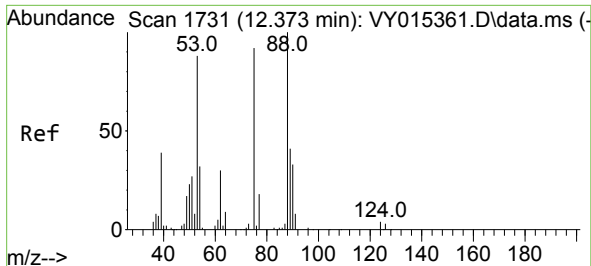
Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.1 48.4 145.3#

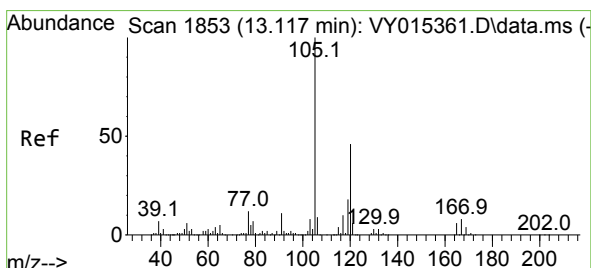
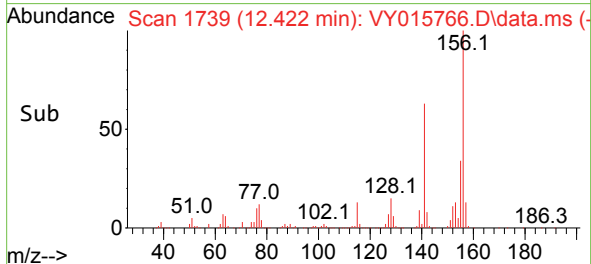
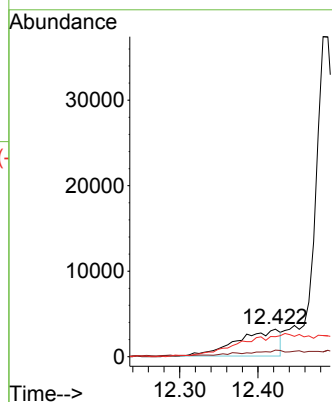
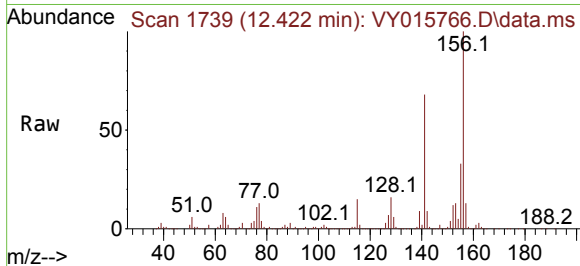




#81
trans-1,4-Dichloro-2-butene
Concen: 15.912 ug/l
RT: 12.422 min Scan# 1739
Delta R.T. 0.042 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

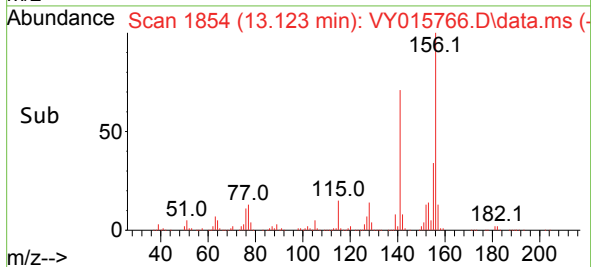
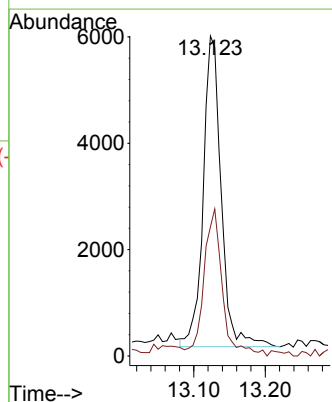
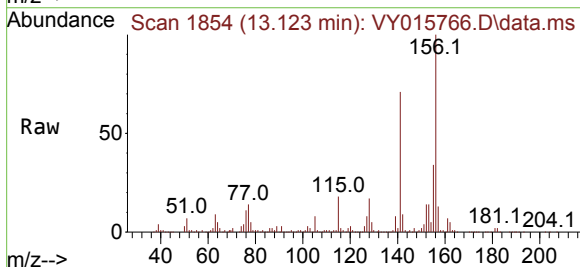
Instrument :
MSVOA_Y
ClientSampleId :

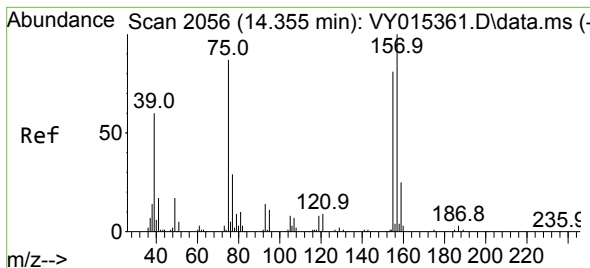
Tgt Ion: 75 Resp: 11826
Ion Ratio Lower Upper
75 100
53 4.9 77.8 116.8#
89 63.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.552 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

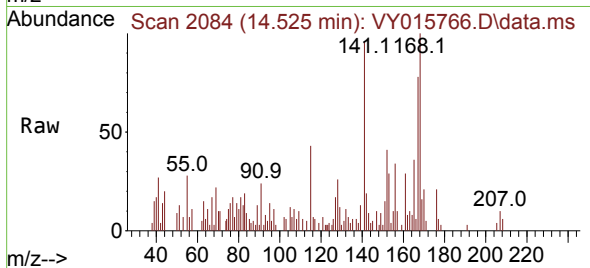
Tgt Ion:105 Resp: 10229
Ion Ratio Lower Upper
105 100
120 48.5 22.2 66.6



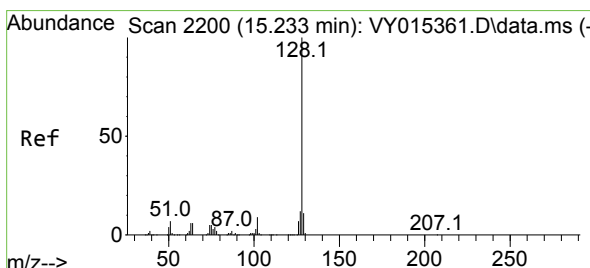
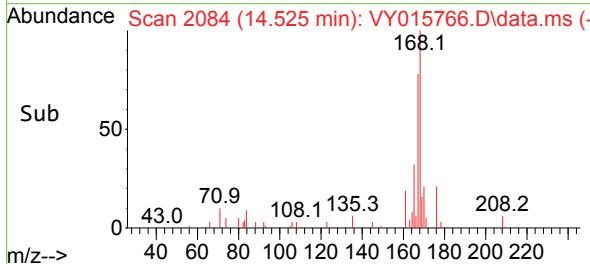
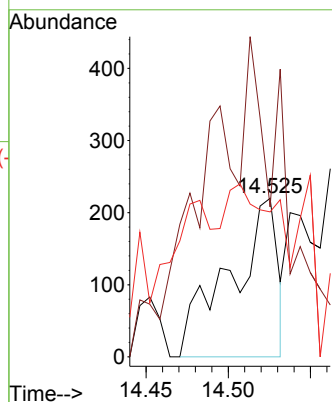


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.021 ug/l
RT: 14.525 min Scan# 2056
Delta R.T. 0.170 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 444
Ion Ratio Lower Upper
75 100
155 124.1 41.5 124.6
157 60.1 51.8 155.5



#95
Naphthalene
Concen: 199.970 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion: 128 Resp: 1161354
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 10.9 8.6 13.0

