

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015865.D
 Acq On : 06 Oct 2023 16:22
 Operator : SY/MD
 Sample : 04767-08
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Q-2(5-10)

Quant Time: Oct 07 07:28:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

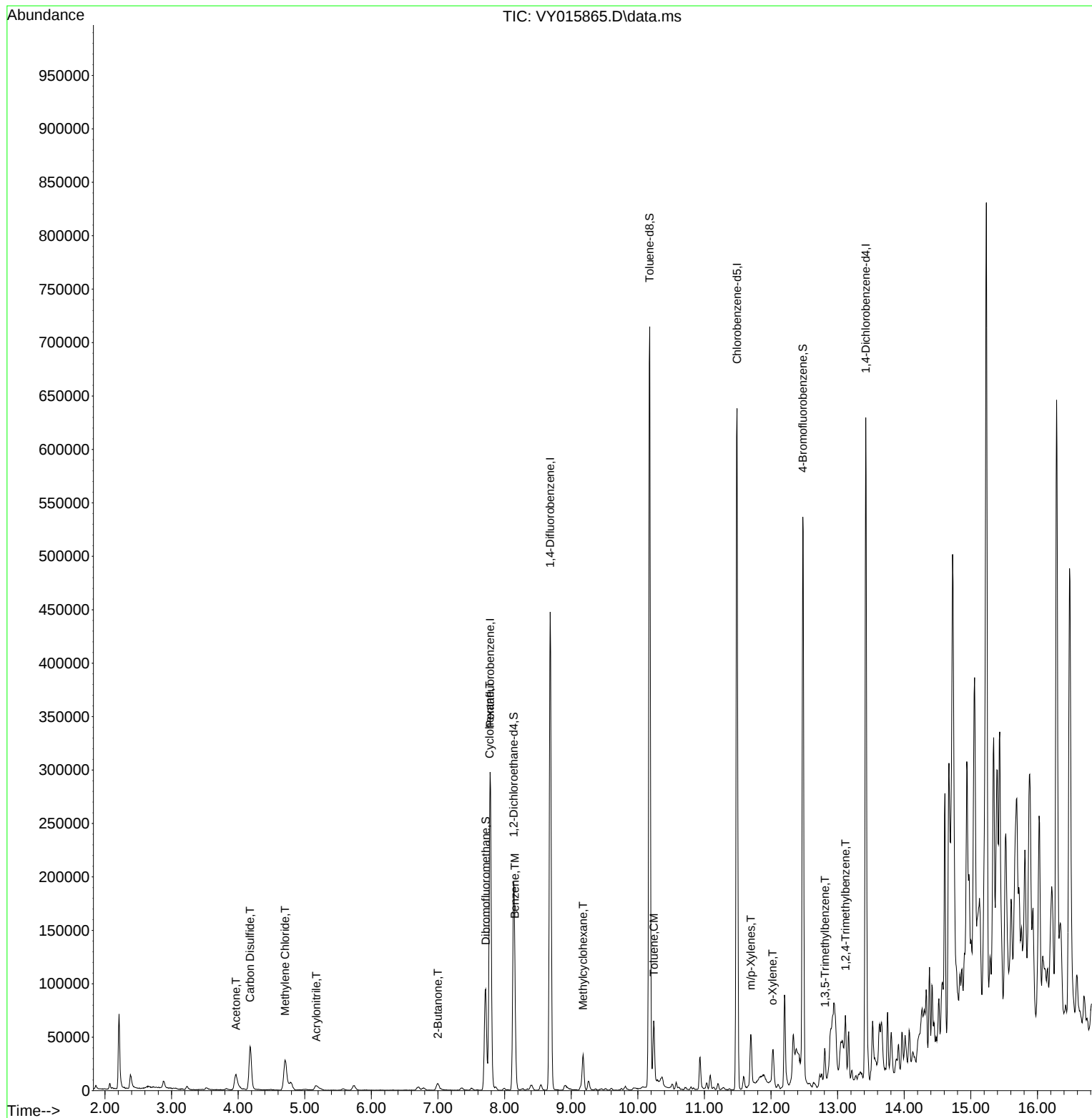
Internal Standards						
1) Pentafluorobenzene	7.783	168	229372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	393290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	160837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	143344	63.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.040%	
35) Dibromofluoromethane	7.716	113	68841	30.708	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 61.420%	
50) Toluene-d8	10.179	98	464593	63.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.660%	
62) 4-Bromofluorobenzene	12.477	95	159568	53.635	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.280%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.174	53	6492	6.664	ug/l	99
16) Acetone	3.966	43	33695	28.820	ug/l	95
17) Carbon Disulfide	4.180	76	83669	36.227	ug/l	100
20) Methylene Chloride	4.704	84	22151	2.402	ug/l	90
25) 2-Butanone	6.996	43	8940	5.559	ug/l	97
31) Cyclohexane	7.777	56	7719	3.035	ug/l #	29
39) Methylcyclohexane	9.179	83	13479	4.712	ug/l	99
40) Benzene	8.155	78	30690	3.657	ug/l	100
52) Toluene	10.240	92	22982	4.185	ug/l	100
68) m/p-Xylenes	11.697	106	14781	3.435	ug/l	100
69) o-Xylene	12.026	106	8639	2.019	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	10183	1.173	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	23547	2.699	ug/l	95

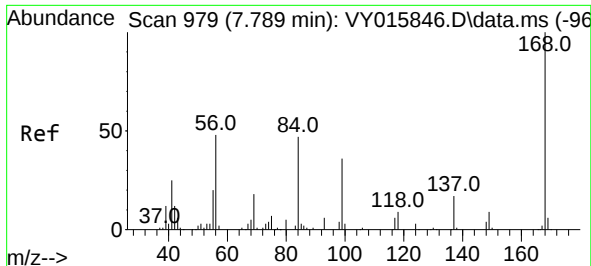
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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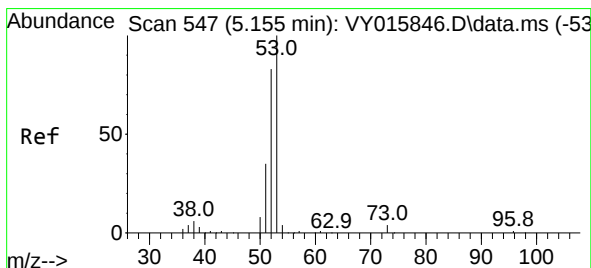
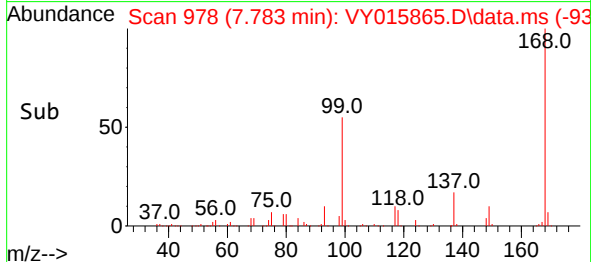
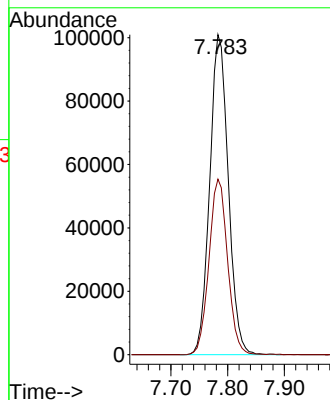
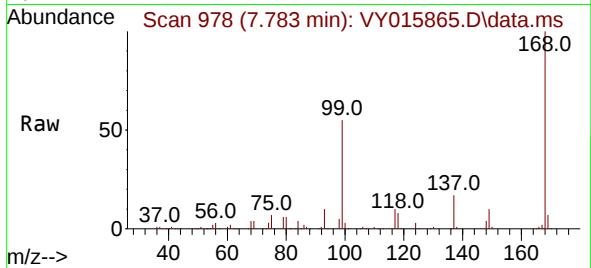




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

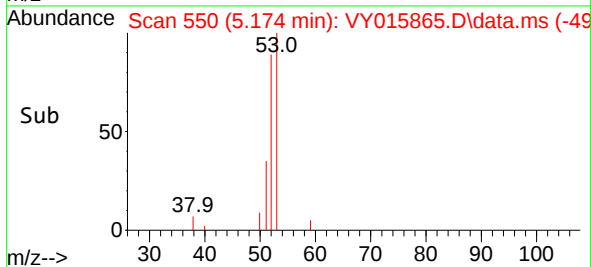
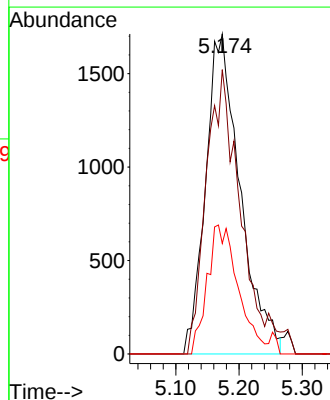
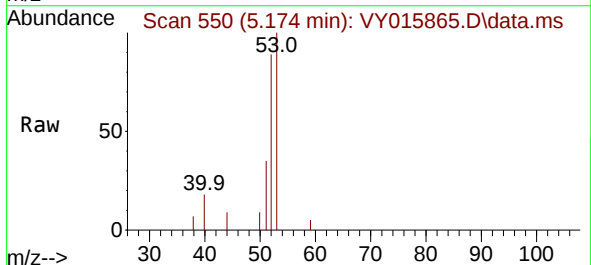
Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

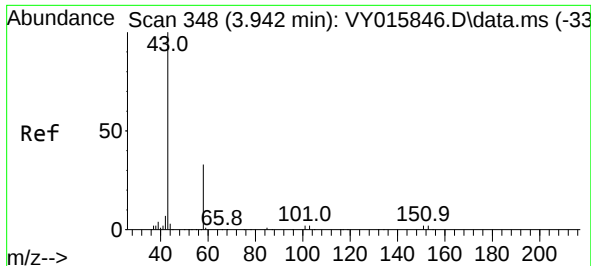
Tgt Ion:168 Resp: 229372
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#15
Acrylonitrile
Concen: 6.664 ug/l
RT: 5.174 min Scan# 550
Delta R.T. 0.018 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

Tgt Ion: 53 Resp: 6492
Ion Ratio Lower Upper
53 100
52 84.3 66.9 100.3
51 36.0 29.8 44.6

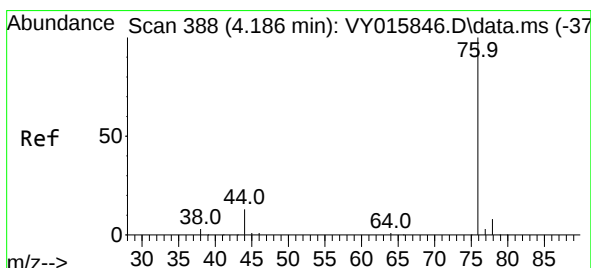
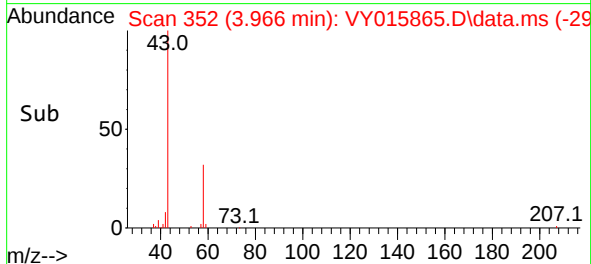
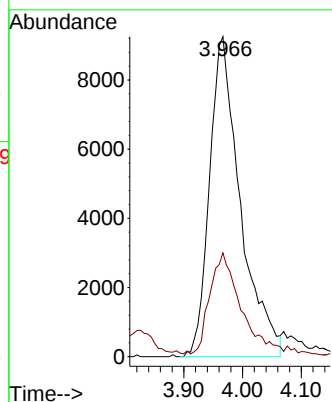
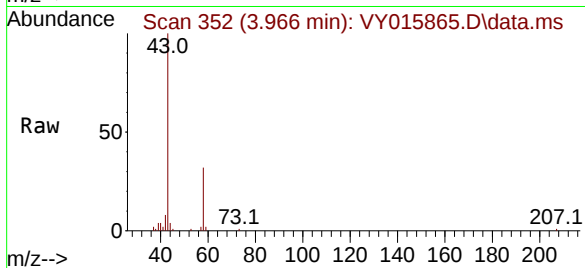




#16
Acetone
Concen: 28.820 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

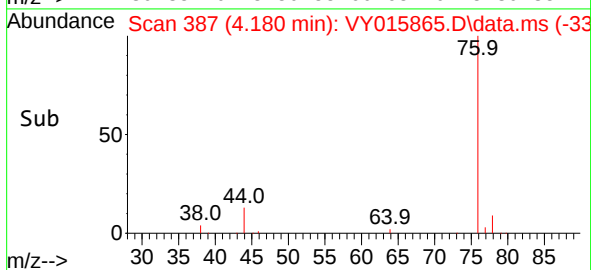
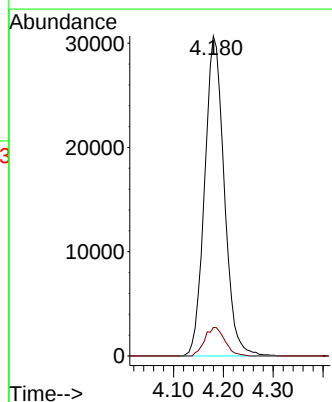
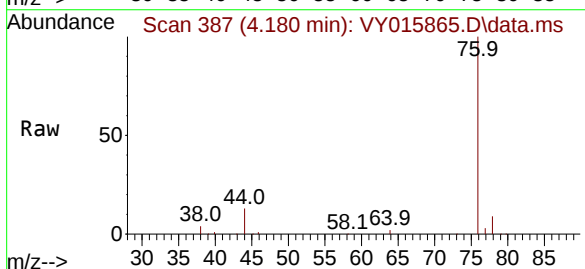
Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

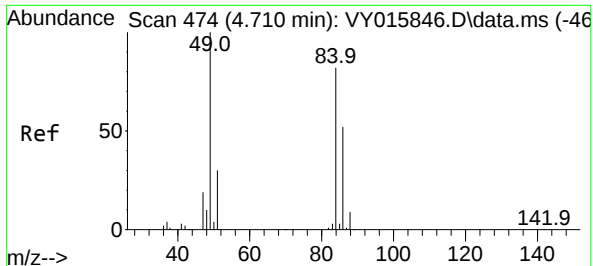
Tgt Ion: 43 Resp: 33695
Ion Ratio Lower Upper
43 100
58 31.3 22.7 34.1



#17
Carbon Disulfide
Concen: 36.227 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

Tgt Ion: 76 Resp: 83669
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

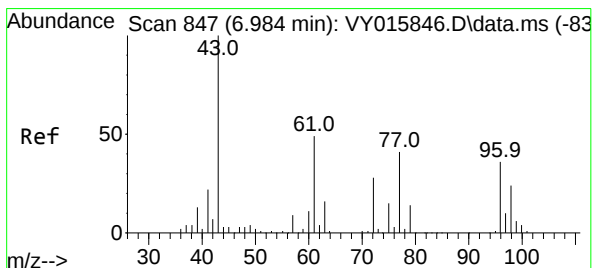
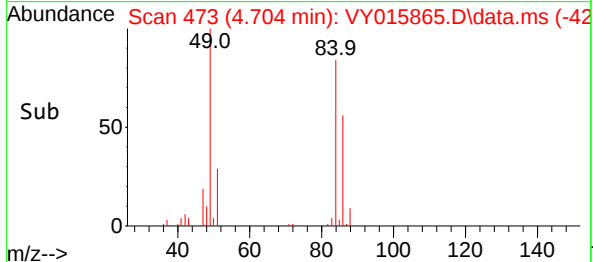
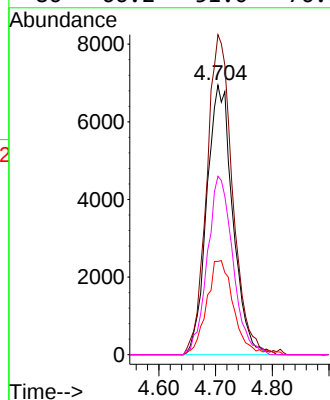
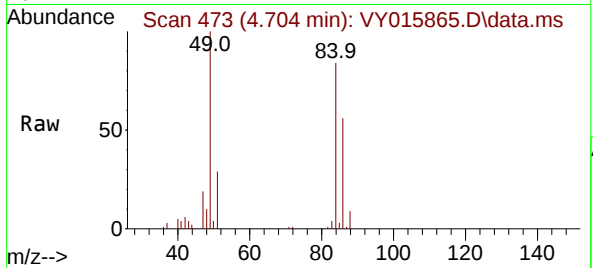




#20
Methylene Chloride
Concen: 2.402 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

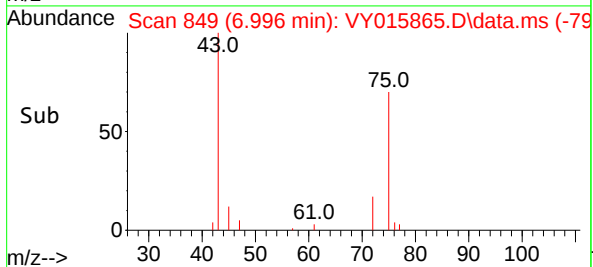
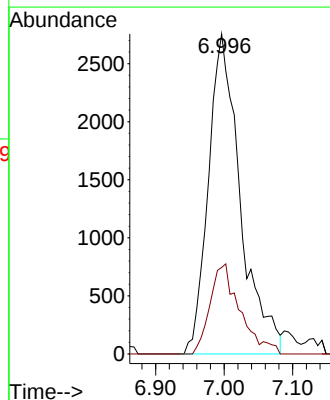
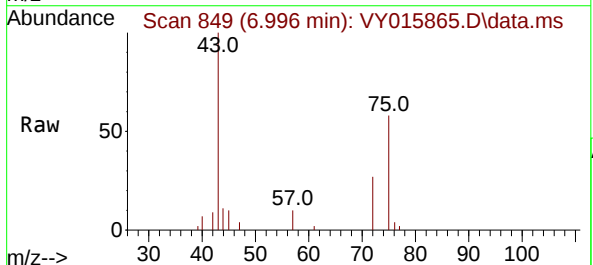
Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

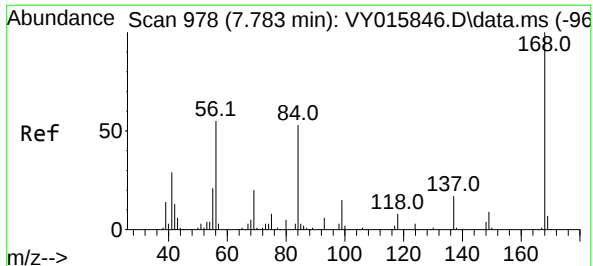
Tgt Ion:	84	Resp:	22151
Ion	Ratio	Lower	Upper
84	100		
49	118.8	106.9	160.3
51	34.6	33.2	49.8
86	66.2	51.0	76.6



#25
2-Butanone
Concen: 5.559 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

Tgt Ion:	43	Resp:	8940
Ion	Ratio	Lower	Upper
43	100		
72	27.0	20.5	30.7

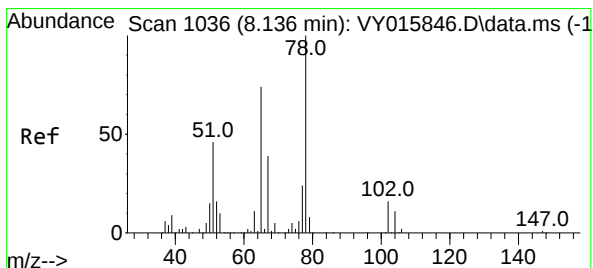
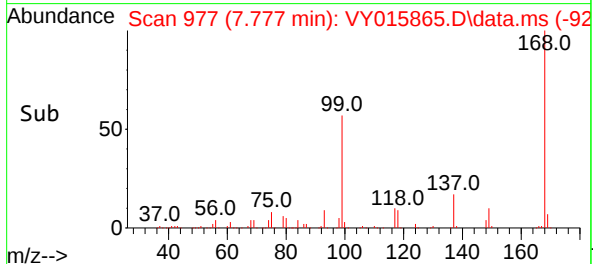
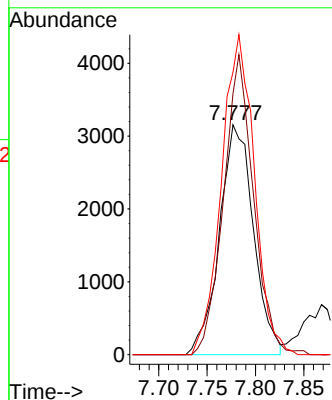
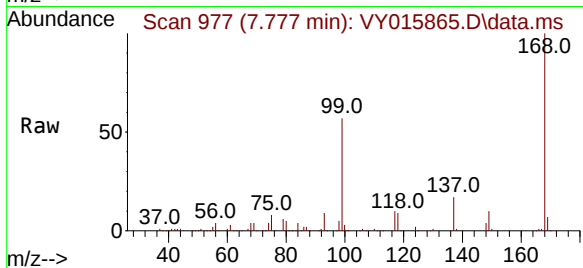




#31
Cyclohexane
Concen: 3.035 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

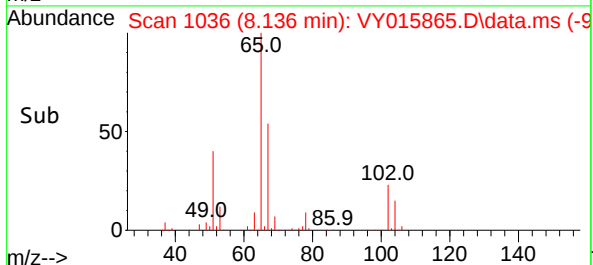
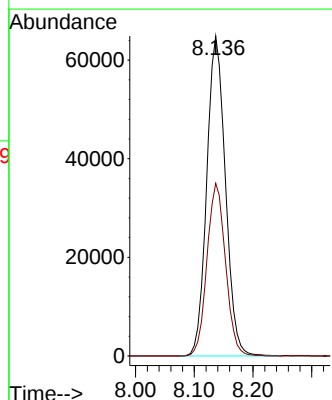
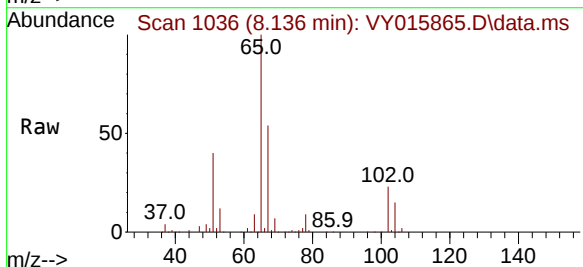
Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

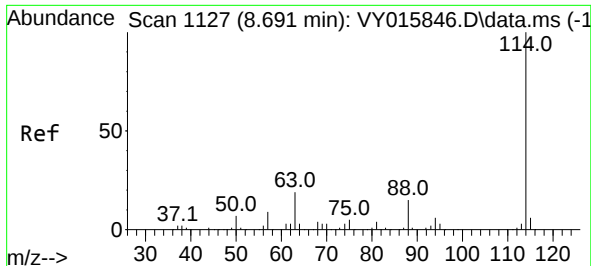
Tgt Ion: 56 Resp: 7719
Ion Ratio Lower Upper
56 100
69 113.6 27.8 41.6#
84 122.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 63.521 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

Tgt Ion: 65 Resp: 143344
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY015865.D

Acq: 06 Oct 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

Q-2(5-10)

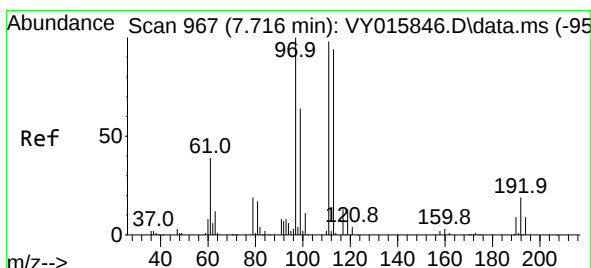
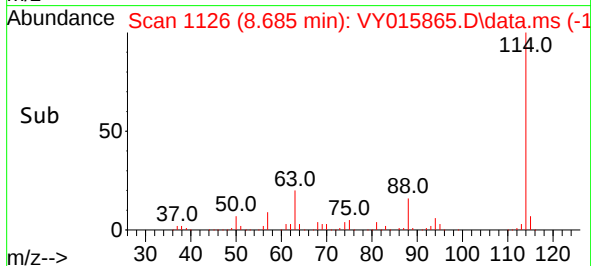
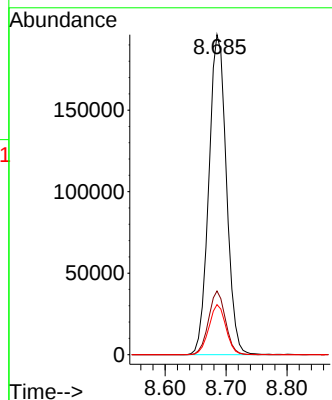
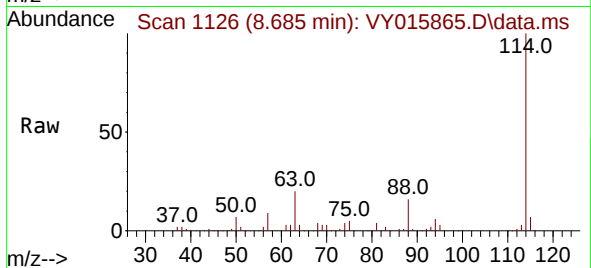
Tgt Ion:114 Resp: 393290

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 30.708 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015865.D

Acq: 06 Oct 2023 16:22

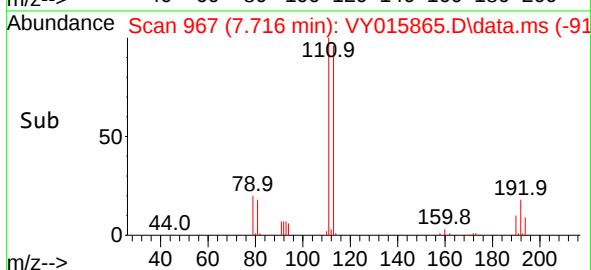
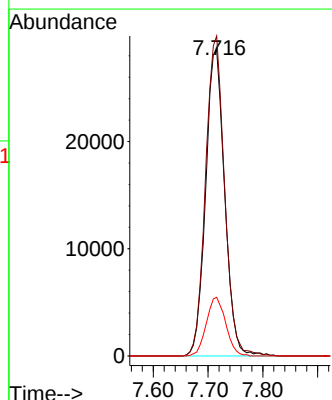
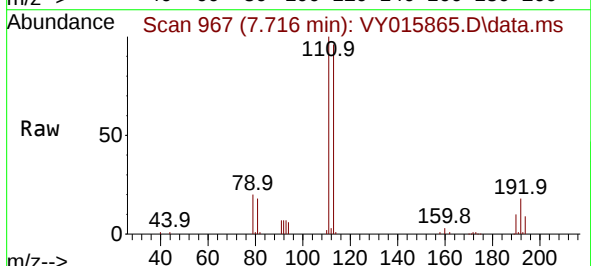
Tgt Ion:113 Resp: 68841

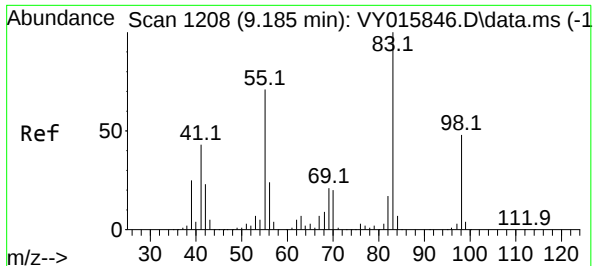
Ion Ratio Lower Upper

113 100

111 104.3 81.3 121.9

192 19.5 16.9 25.3





#39

Methylcyclohexane

Concen: 4.712 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015865.D

Acq: 06 Oct 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

Q-2(5-10)

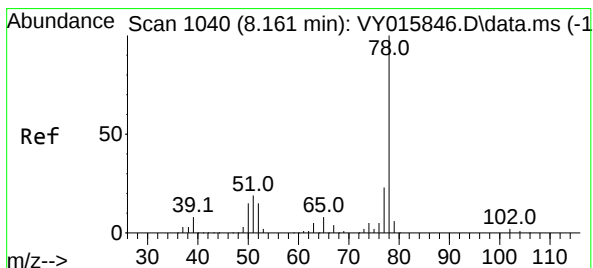
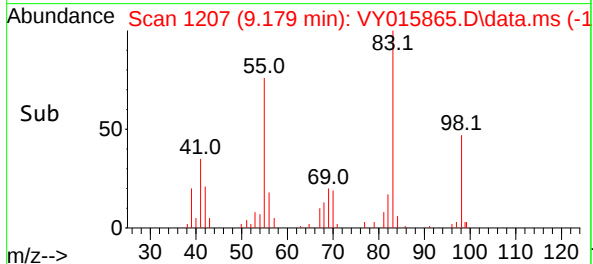
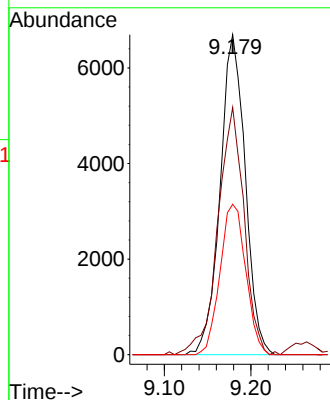
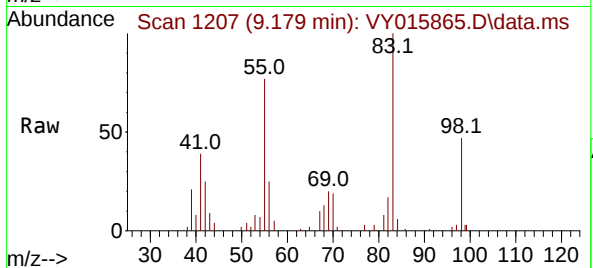
Tgt Ion: 83 Resp: 13479

Ion Ratio Lower Upper

83 100

55 77.2 63.0 94.4

98 47.0 37.4 56.2



#40

Benzene

Concen: 3.657 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY015865.D

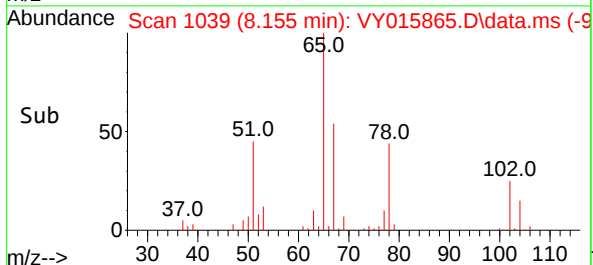
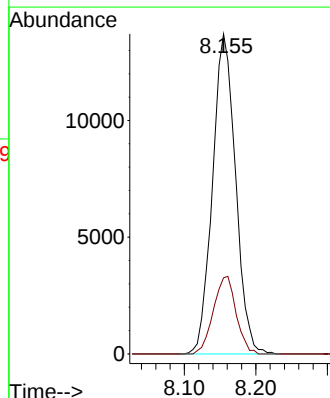
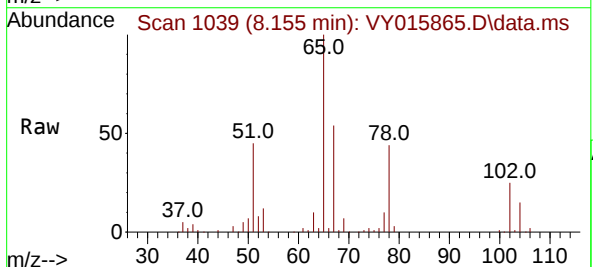
Acq: 06 Oct 2023 16:22

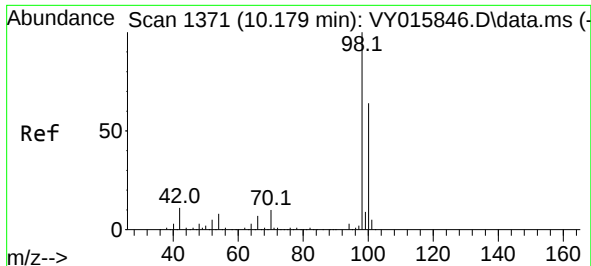
Tgt Ion: 78 Resp: 30690

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

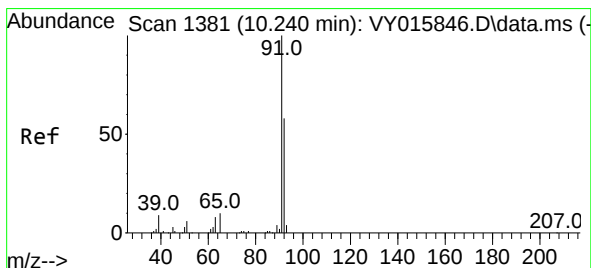
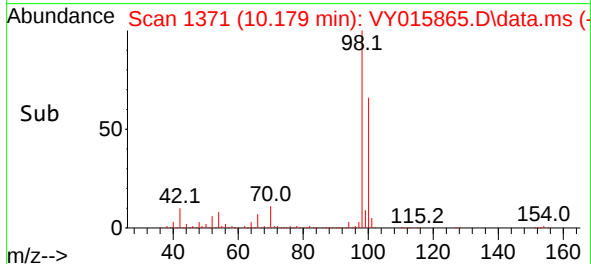
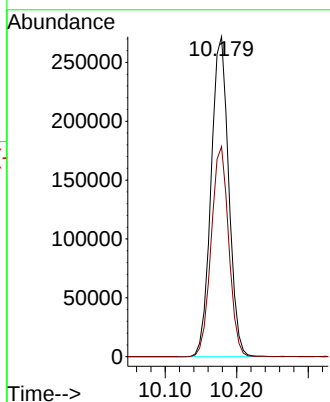
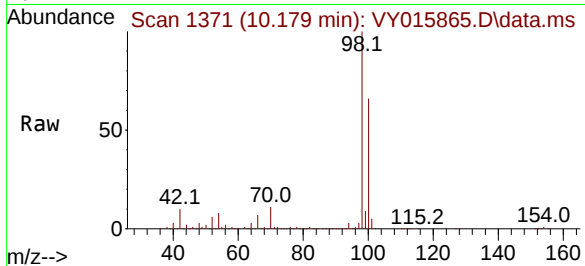




#50
Toluene-d8
Concen: 63.832 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

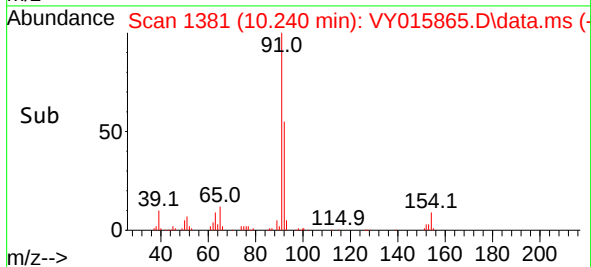
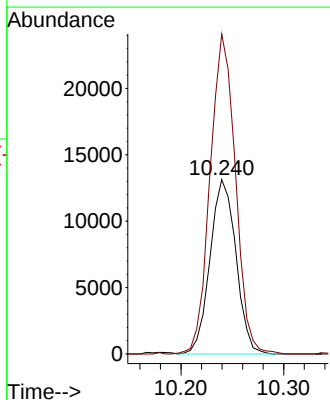
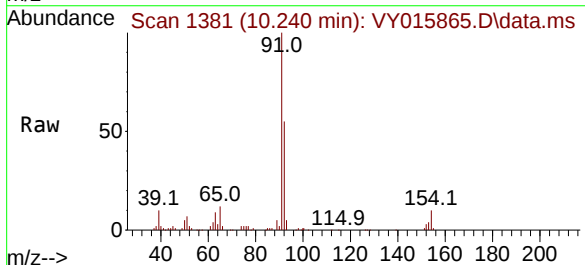
Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

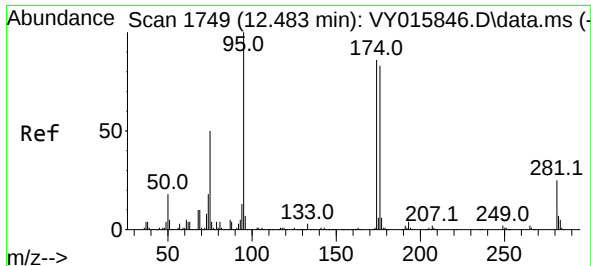
Tgt Ion: 98 Resp: 464593
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#52
Toluene
Concen: 4.185 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

Tgt Ion: 92 Resp: 22982
Ion Ratio Lower Upper
92 100
91 179.4 143.8 215.6





#62

4-Bromofluorobenzene

Concen: 53.635 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015865.D

Acq: 06 Oct 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

Q-2(5-10)

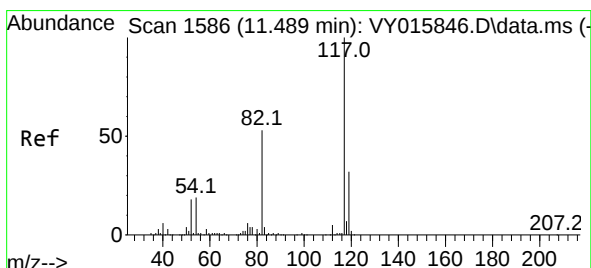
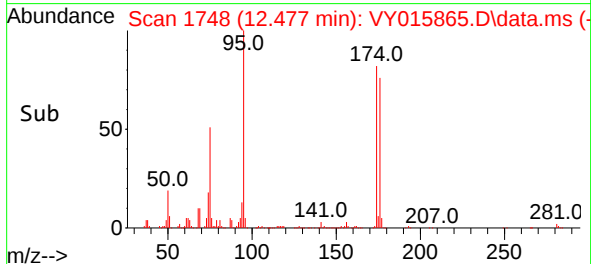
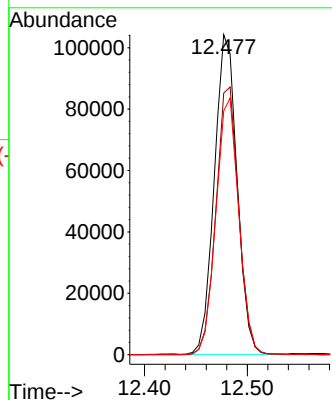
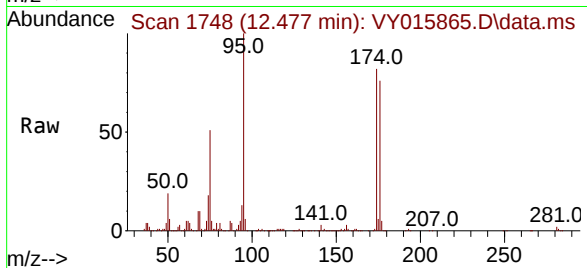
Tgt Ion: 95 Resp: 159568

Ion Ratio Lower Upper

95 100

174 84.1 0.0 178.2

176 80.8 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: VY015865.D

Acq: 06 Oct 2023 16:22

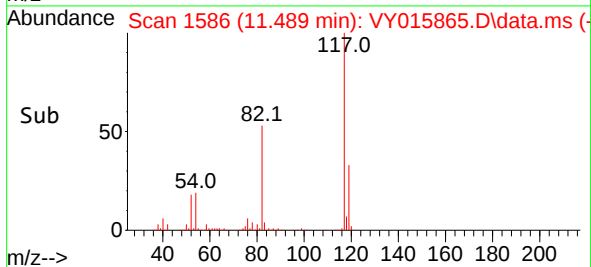
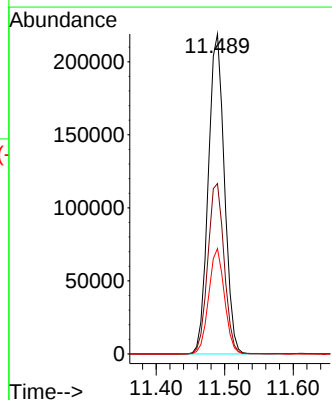
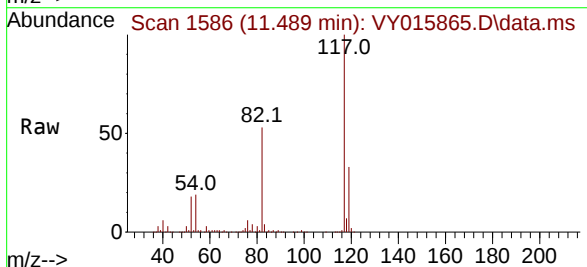
Tgt Ion: 117 Resp: 357585

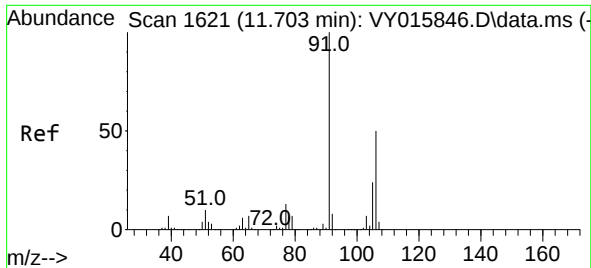
Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.9 26.3 39.5

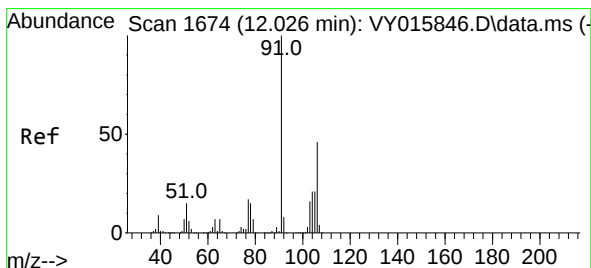
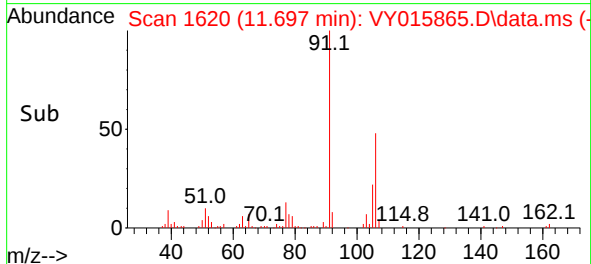
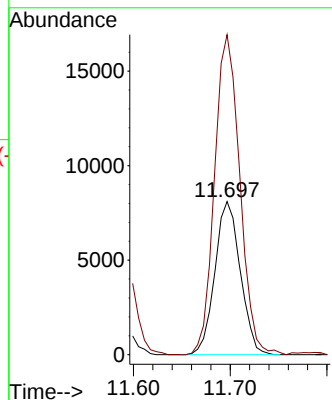
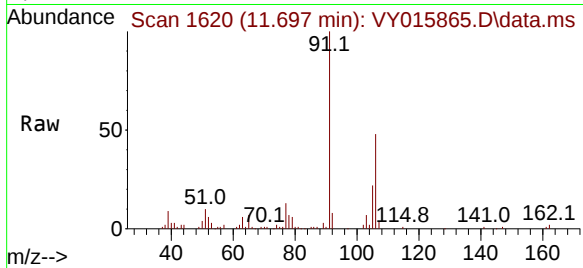




#68
m/p-Xylenes
Concen: 3.435 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

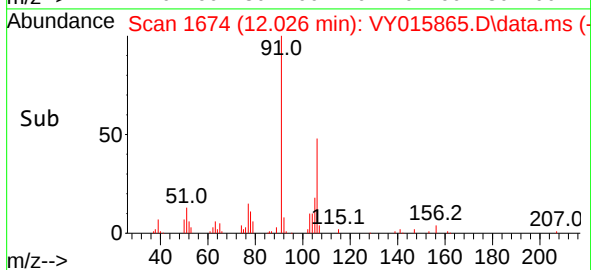
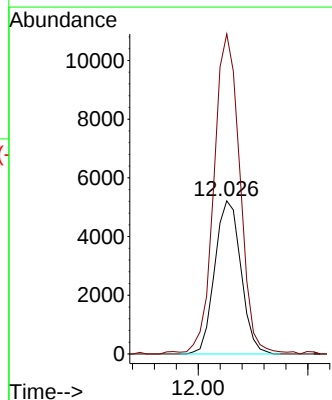
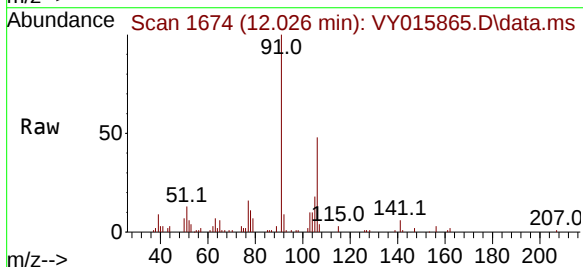
Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

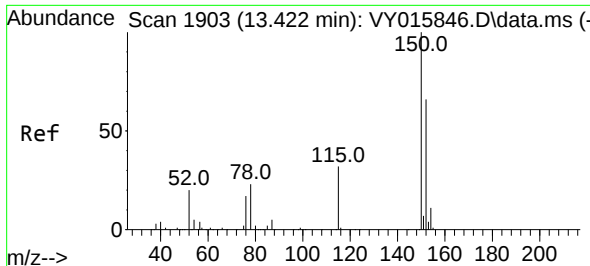
Tgt Ion:106 Resp: 14781
Ion Ratio Lower Upper
106 100
91 207.6 166.1 249.1



#69
o-Xylene
Concen: 2.019 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015865.D
Acq: 06 Oct 2023 16:22

Tgt Ion:106 Resp: 8639
Ion Ratio Lower Upper
106 100
91 208.9 108.1 324.3

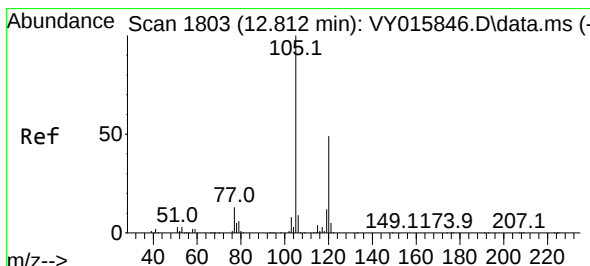
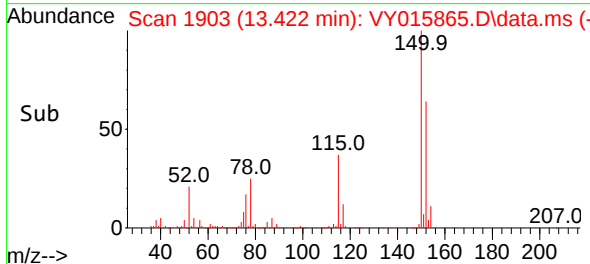
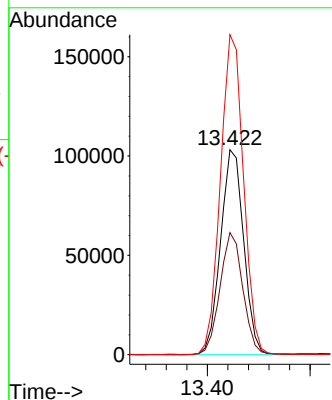
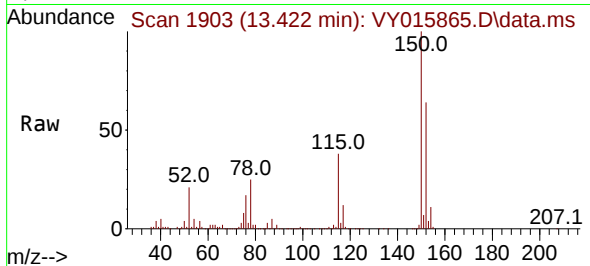




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015865.D
 Acq: 06 Oct 2023 16:22

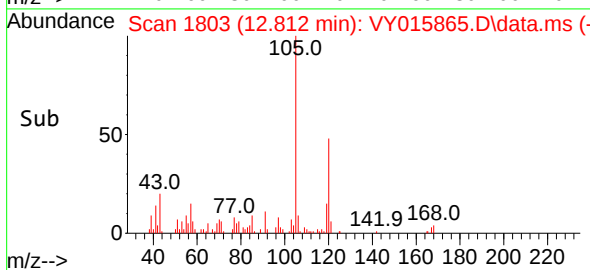
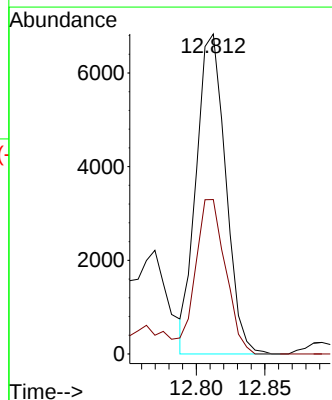
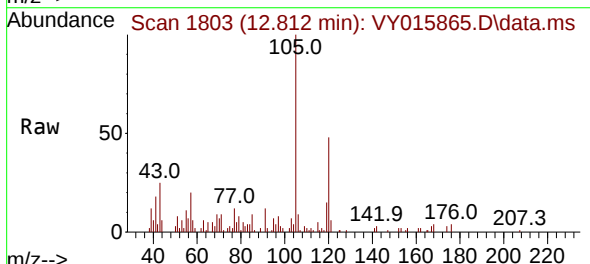
Instrument :
 MSVOA_Y
 ClientSampleId :
 Q-2(5-10)

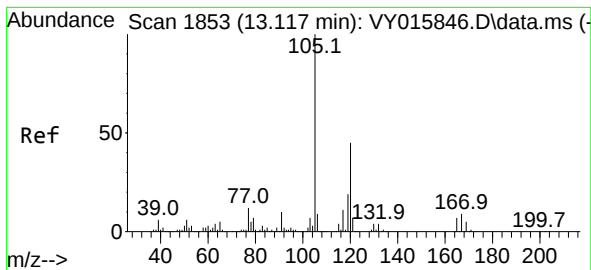
Tgt Ion:152 Resp: 160837
 Ion Ratio Lower Upper
 152 100
 115 58.7 28.8 86.5
 150 156.1 0.0 348.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.173 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY015865.D
 Acq: 06 Oct 2023 16:22

Tgt Ion:105 Resp: 10183
 Ion Ratio Lower Upper
 105 100
 120 49.9 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 2.699 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015865.D

Acq: 06 Oct 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

Q-2(5-10)

Tgt Ion:105 Resp: 23547

Ion Ratio Lower Upper

105 100

120 41.2 22.2 66.6

