

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015869.D
 Acq On : 06 Oct 2023 17:57
 Operator : SY/MD
 Sample : 04767-09
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Q-1(5-10)

Quant Time: Oct 07 07:30:32 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)

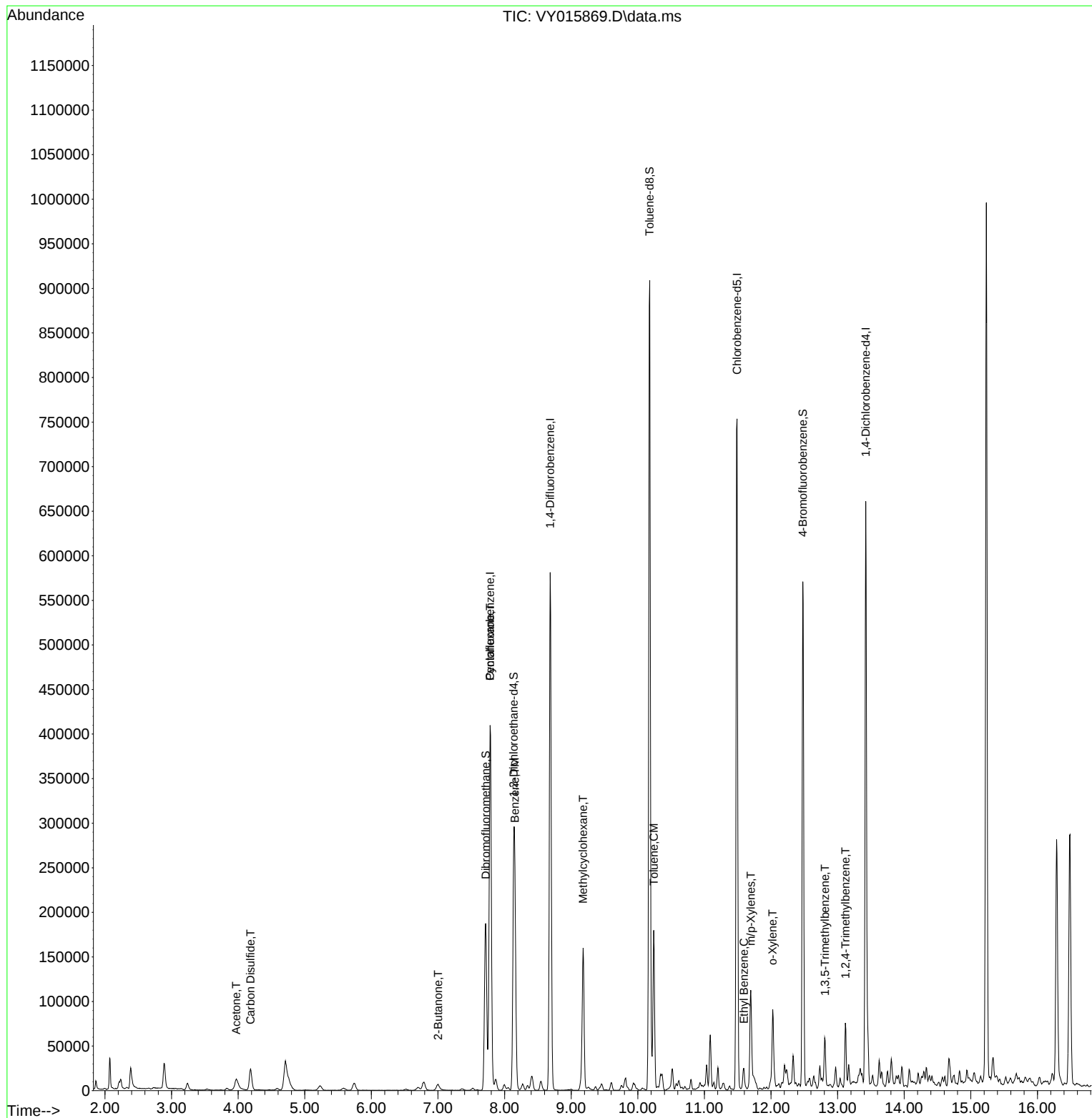
Internal Standards						
1) Pentafluorobenzene	7.783	168	297736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	502508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	423483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	177095	60.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.920%			
35) Dibromofluoromethane	7.716	113	135717	47.382	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.760%			
50) Toluene-d8	10.179	98	580307	62.401	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 124.800%			
62) 4-Bromofluorobenzene	12.477	95	174377	45.874	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.740%			
Target Compounds						
16) Acetone	3.972	43	32378	21.335	ug/l #	89
17) Carbon Disulfide	4.186	76	48579	18.131	ug/l	99
25) 2-Butanone	7.002	43	10340	4.953	ug/l #	88
31) Cyclohexane	7.783	56	24058	7.286	ug/l #	65
39) Methylcyclohexane	9.179	83	67734	18.534	ug/l	92
40) Benzene	8.155	78	134797	12.571	ug/l	98
52) Toluene	10.240	92	72568	10.344	ug/l	96
67) Ethyl Benzene	11.593	91	15203	1.134	ug/l	97
68) m/p-Xylenes	11.697	106	32864	6.450	ug/l	95
69) o-Xylene	12.026	106	21398	4.222	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	20876	2.300	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	38030	4.170	ug/l	98

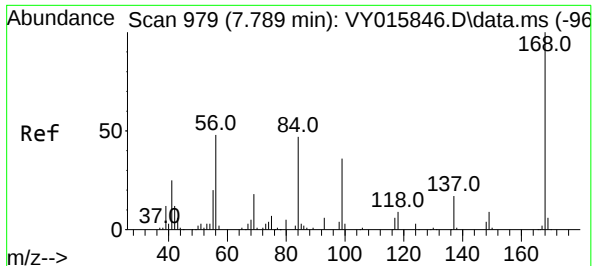
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015869.D
Acq On : 06 Oct 2023 17:57
Operator : SY/MD
Sample : 04767-09
Misc : 5.17g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-1(5-10)

Quant Time: Oct 07 07:30:32 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

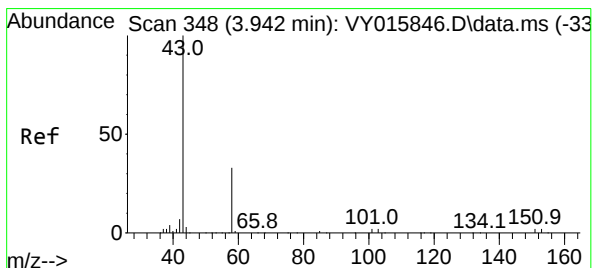
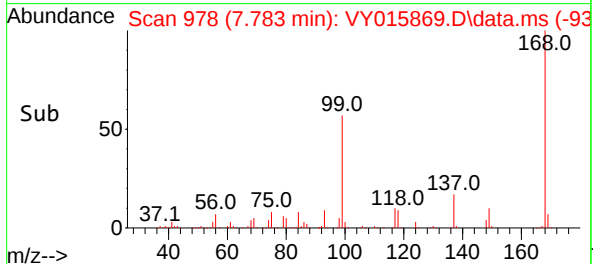
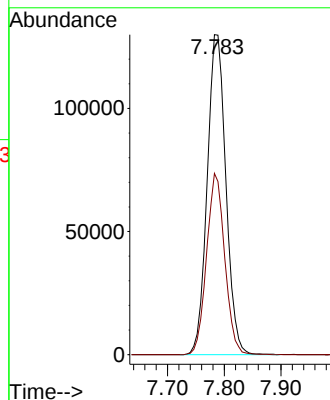
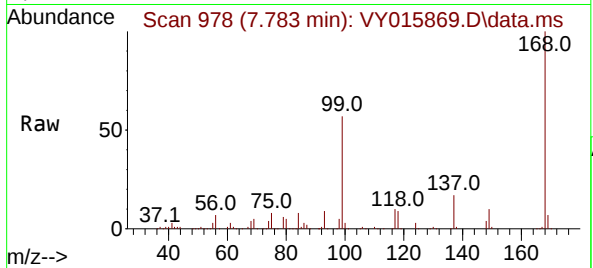




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

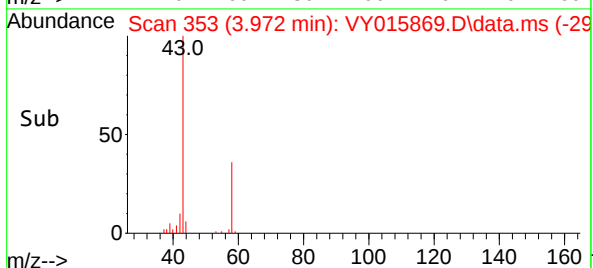
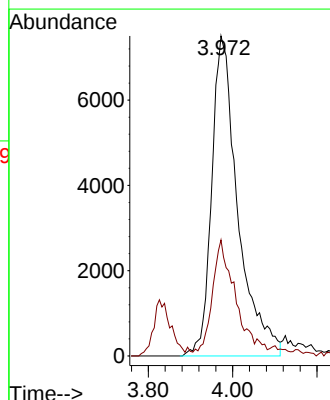
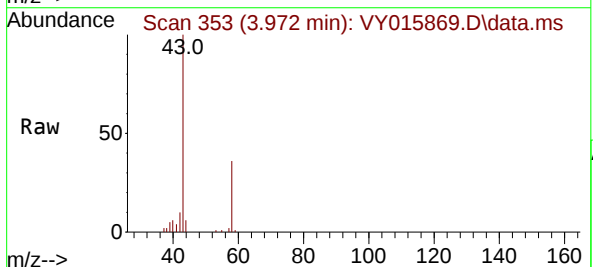
Instrument :
MSVOA_Y
ClientSampleId :
Q-1(5-10)

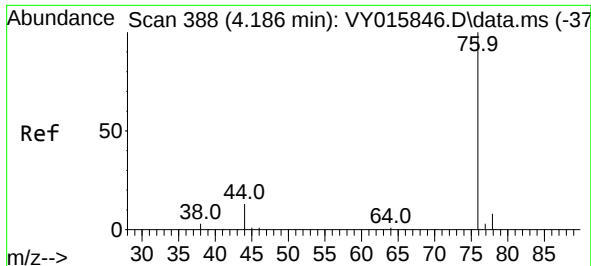
Tgt Ion:168 Resp: 297736
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#16
Acetone
Concen: 21.335 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.030 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

Tgt Ion: 43 Resp: 32378
Ion Ratio Lower Upper
43 100
58 34.1 22.7 34.1#

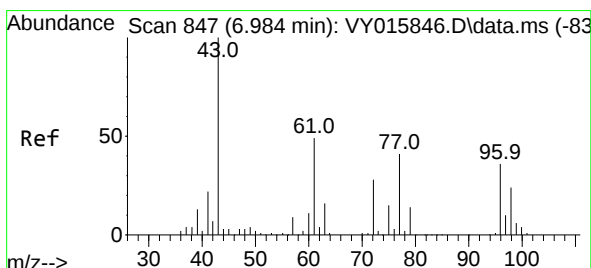
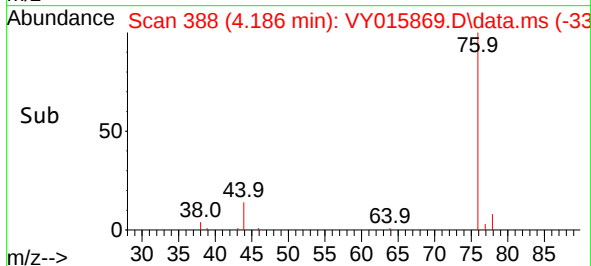
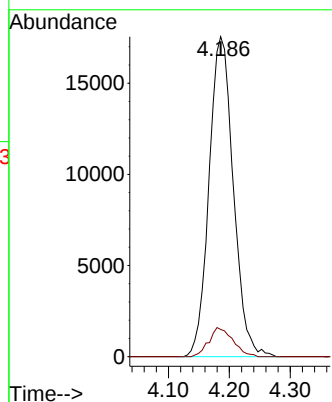
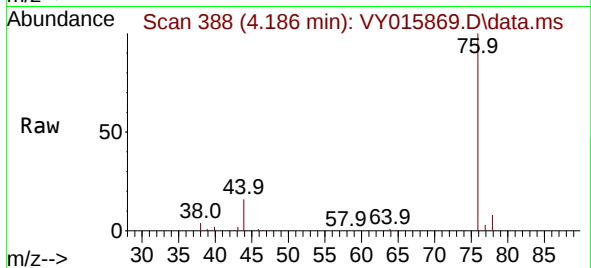




#17
Carbon Disulfide
Concen: 18.131 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

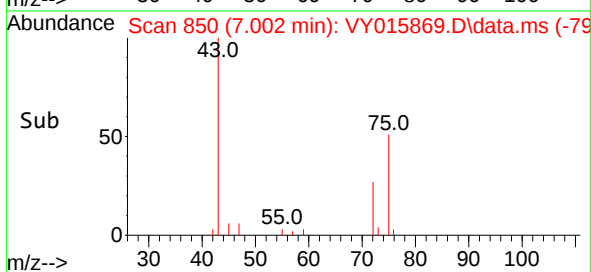
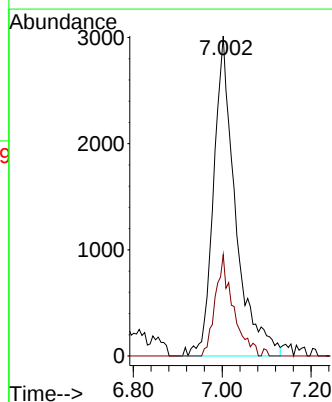
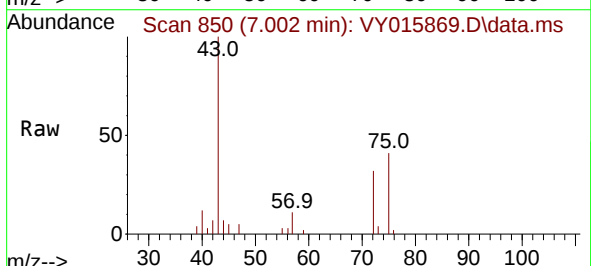
Instrument :
MSVOA_Y
ClientSampleId :
Q-1(5-10)

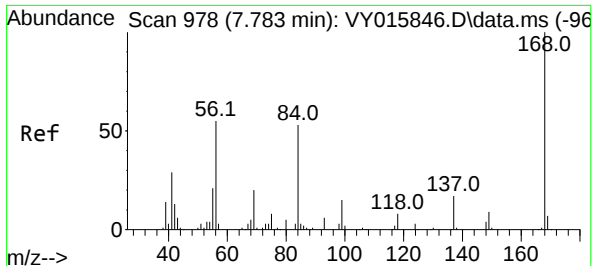
Tgt Ion: 76 Resp: 48579
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#25
2-Butanone
Concen: 4.953 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

Tgt Ion: 43 Resp: 10340
Ion Ratio Lower Upper
43 100
72 31.6 20.5 30.7#

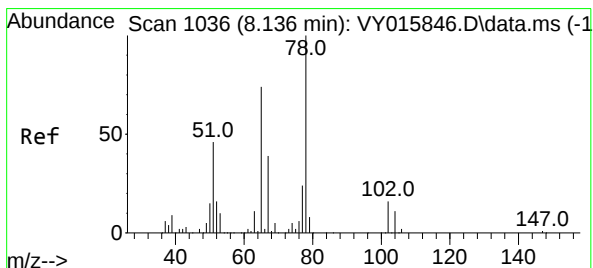
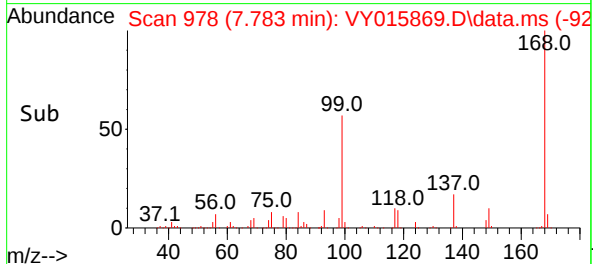
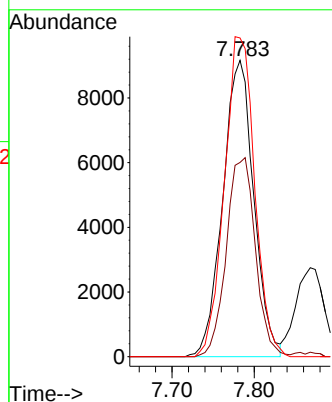
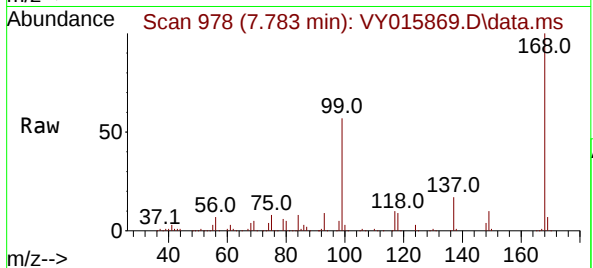




#31
Cyclohexane
Concen: 7.286 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

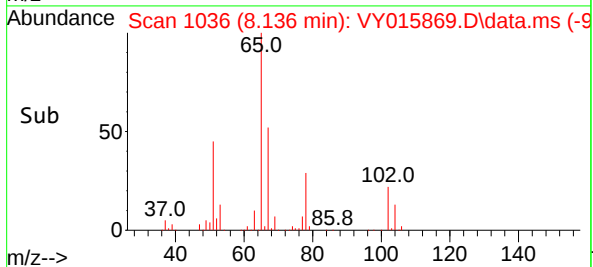
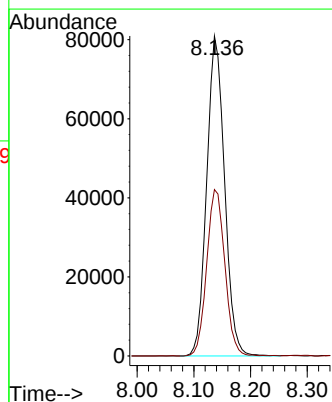
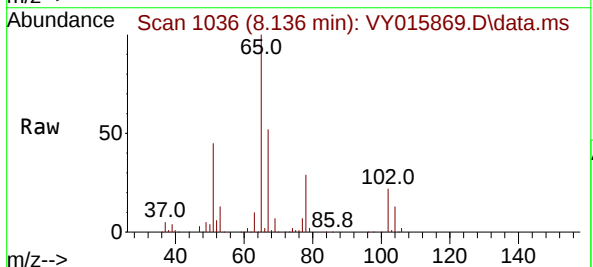
Instrument :
MSVOA_Y
ClientSampleId :
Q-1(5-10)

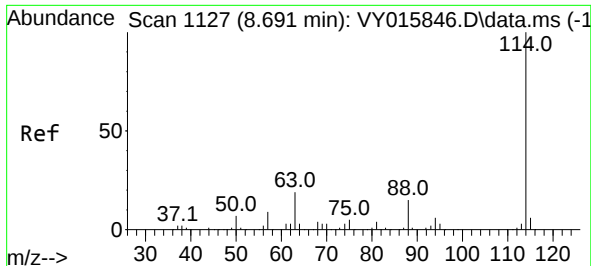
Tgt Ion: 56 Resp: 24058
Ion Ratio Lower Upper
56 100
69 65.5 27.8 41.6#
84 107.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.458 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

Tgt Ion: 65 Resp: 177095
Ion Ratio Lower Upper
65 100
67 52.8 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: VY015869.D

Acq: 06 Oct 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

Q-1(5-10)

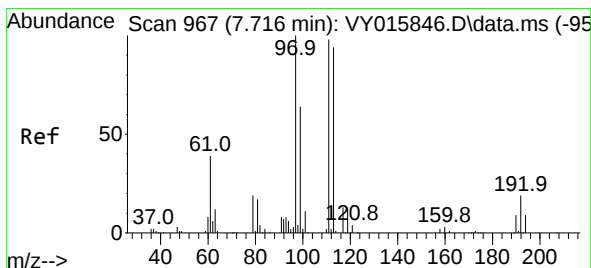
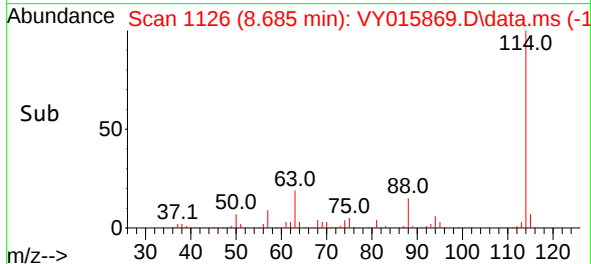
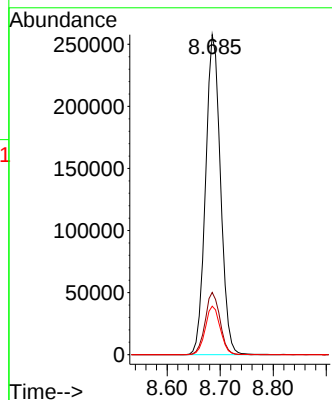
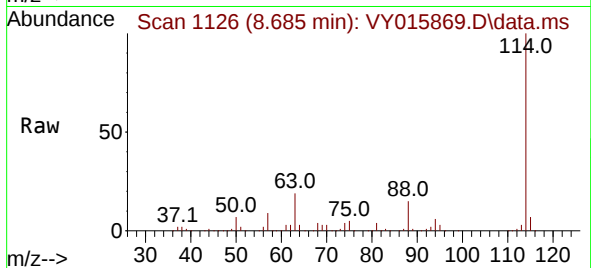
Tgt Ion:114 Resp: 502508

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.382 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015869.D

Acq: 06 Oct 2023 17:57

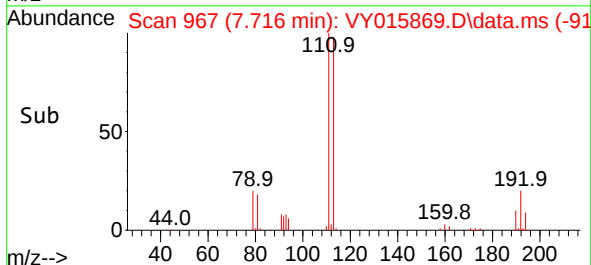
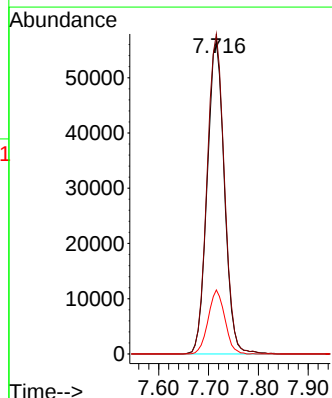
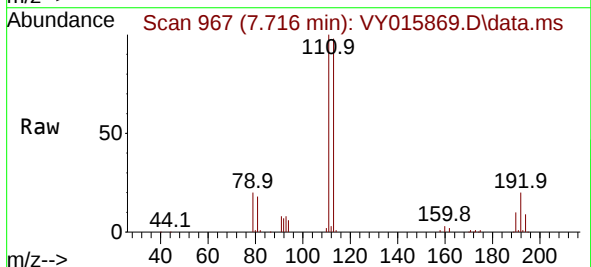
Tgt Ion:113 Resp: 135717

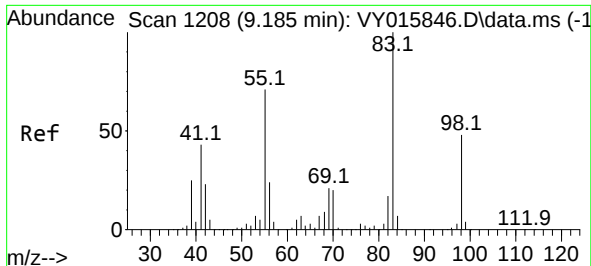
Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 19.8 16.9 25.3





#39

Methylcyclohexane

Concen: 18.534 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015869.D

Acq: 06 Oct 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

Q-1(5-10)

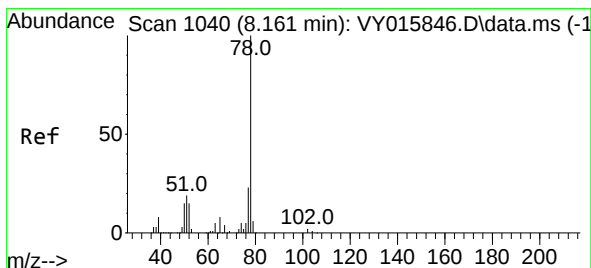
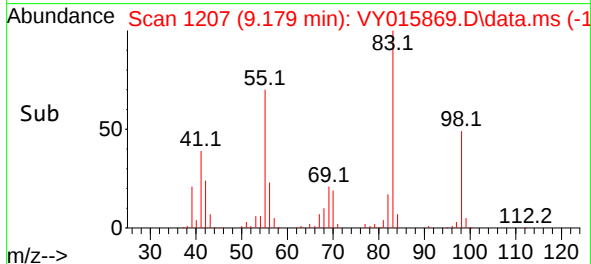
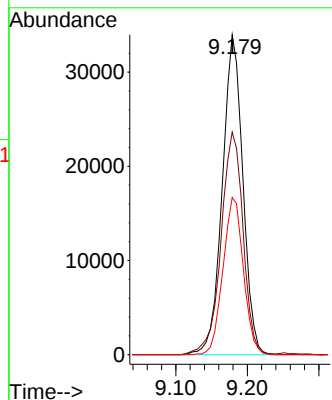
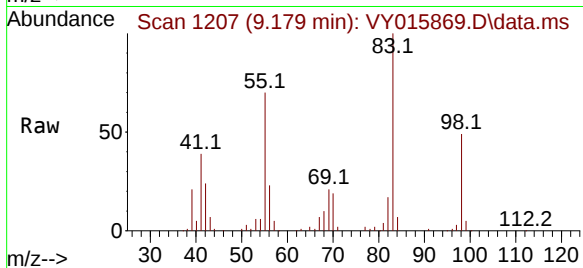
Tgt Ion: 83 Resp: 67734

Ion Ratio Lower Upper

83 100

55 69.6 63.0 94.4

98 49.1 37.4 56.2



#40

Benzene

Concen: 12.571 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY015869.D

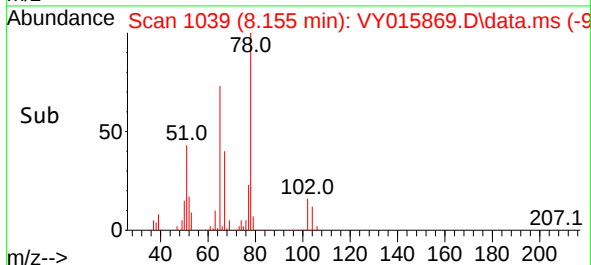
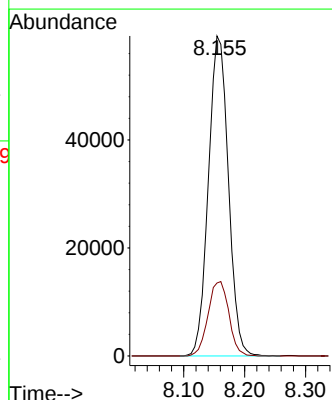
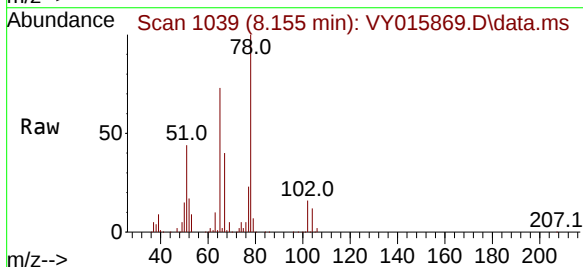
Acq: 06 Oct 2023 17:57

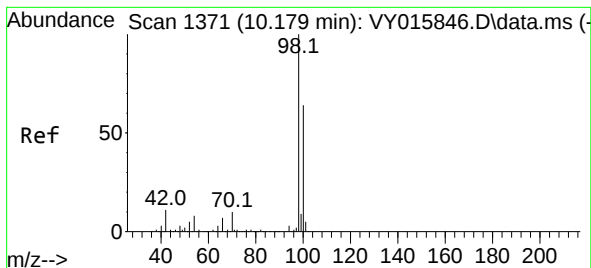
Tgt Ion: 78 Resp: 134797

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.6





#50

Toluene-d8

Concen: 62.401 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015869.D

Acq: 06 Oct 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

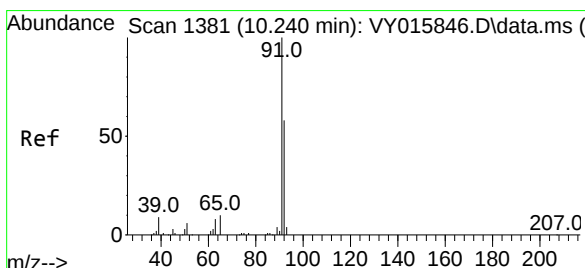
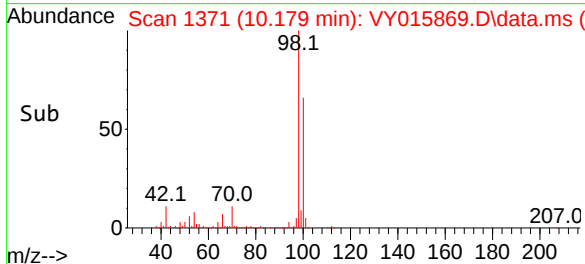
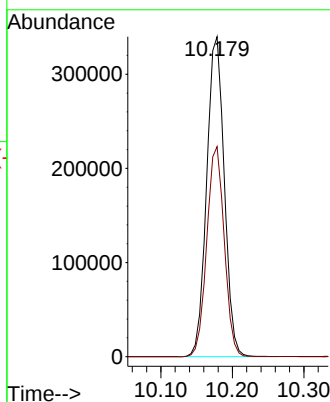
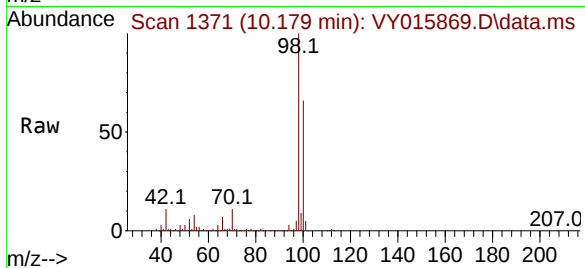
Q-1(5-10)

Tgt Ion: 98 Resp: 580307

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#52

Toluene

Concen: 10.344 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY015869.D

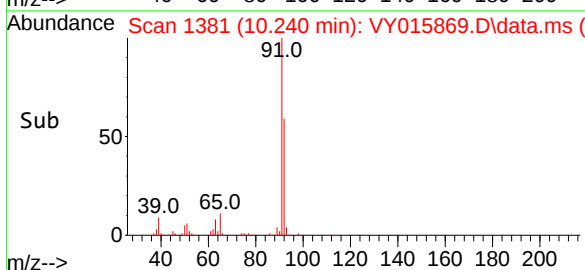
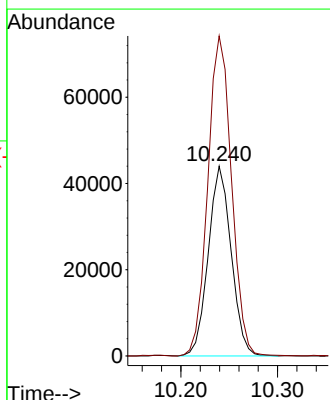
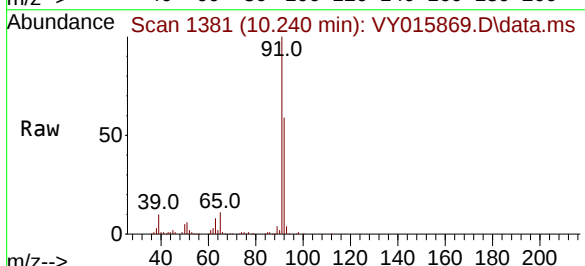
Acq: 06 Oct 2023 17:57

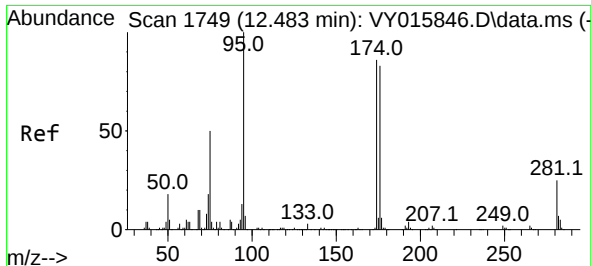
Tgt Ion: 92 Resp: 72568

Ion Ratio Lower Upper

92 100

91 174.3 143.8 215.6

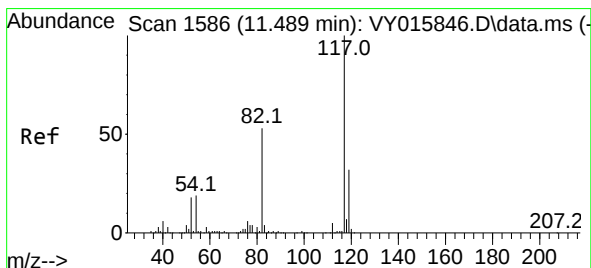
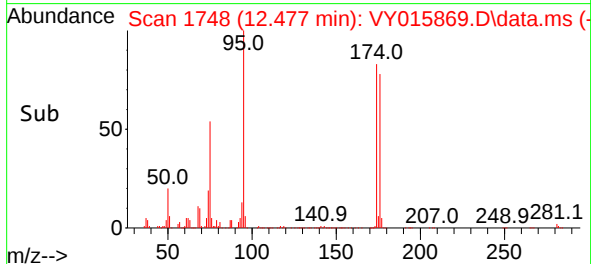
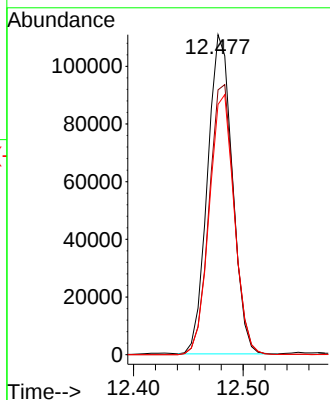
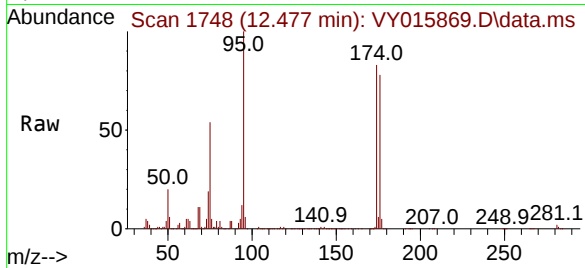




#62
4-Bromofluorobenzene
Concen: 45.874 ug/l
RT: 12.477 min Scan# 174377
Delta R.T. -0.006 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

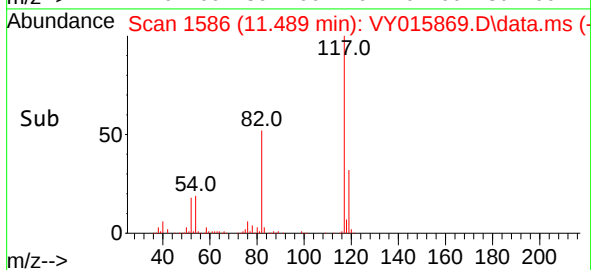
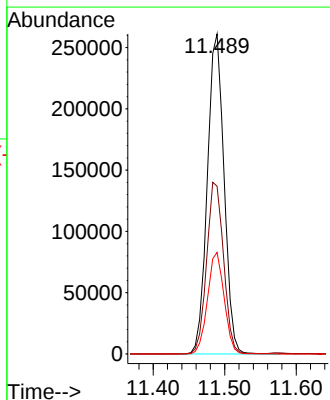
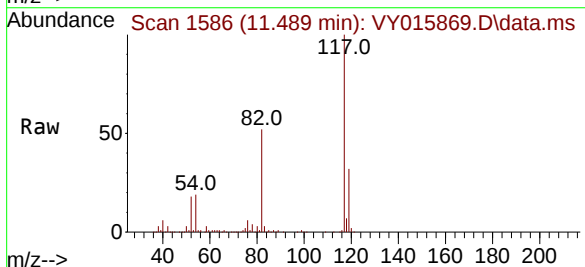
Instrument :
MSVOA_Y
ClientSampleId :
Q-1(5-10)

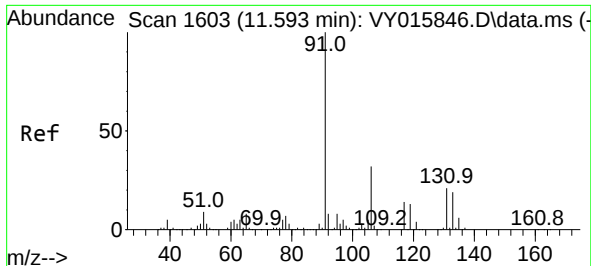
Tgt Ion: 95 Resp: 174377
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 82.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

Tgt Ion: 117 Resp: 423483
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.8 26.3 39.5





#67

Ethyl Benzene

Concen: 1.134 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015869.D

Acq: 06 Oct 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

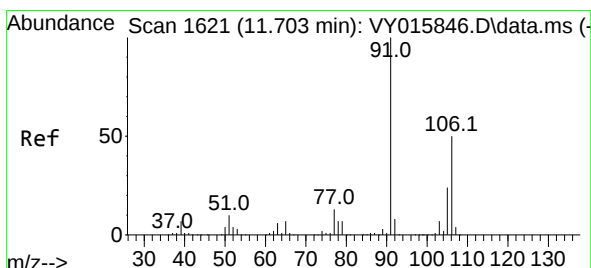
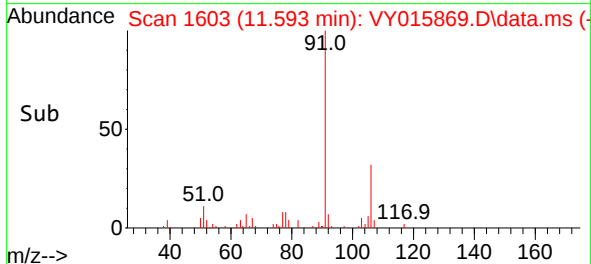
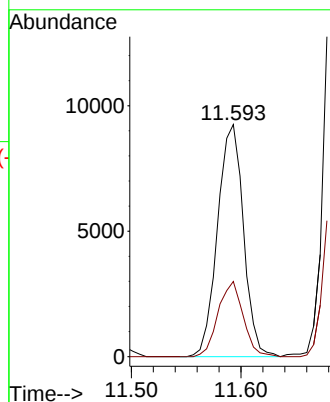
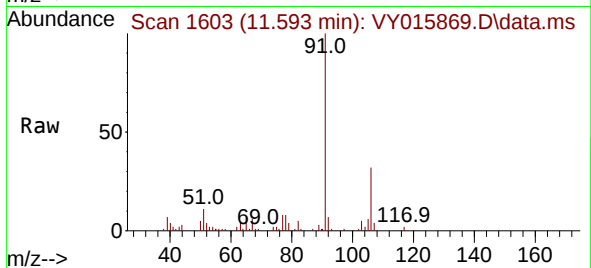
Q-1(5-10)

Tgt Ion: 91 Resp: 15203

Ion Ratio Lower Upper

91 100

106 32.4 24.6 36.8



#68

m/p-Xylenes

Concen: 6.450 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY015869.D

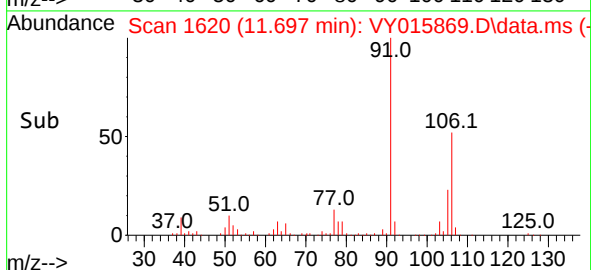
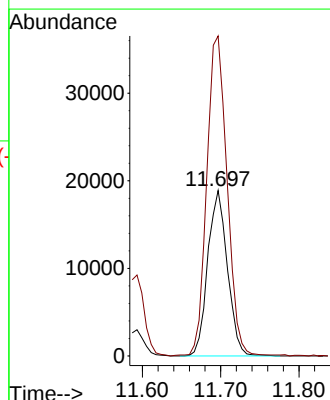
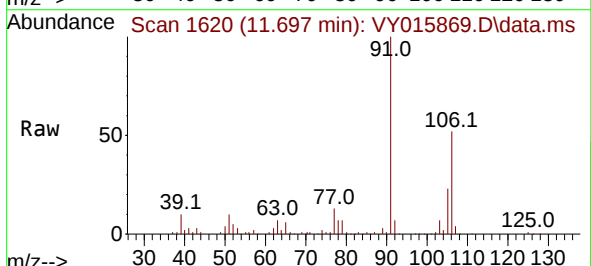
Acq: 06 Oct 2023 17:57

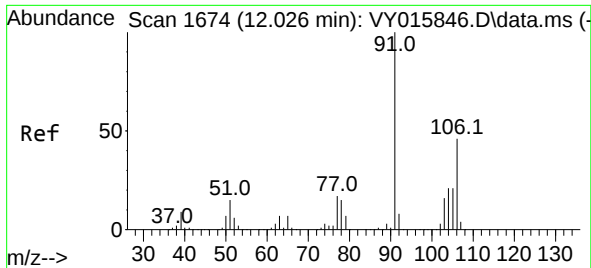
Tgt Ion: 106 Resp: 32864

Ion Ratio Lower Upper

106 100

91 200.4 166.1 249.1

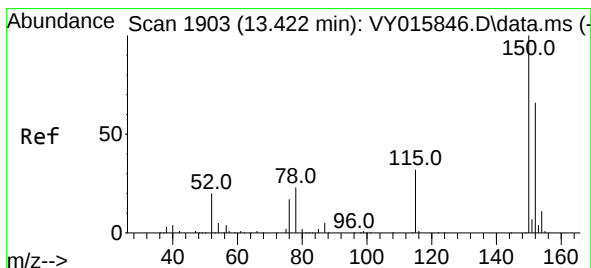
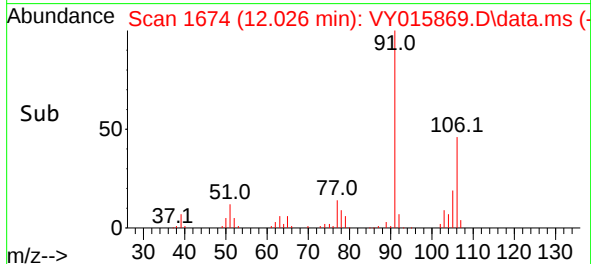
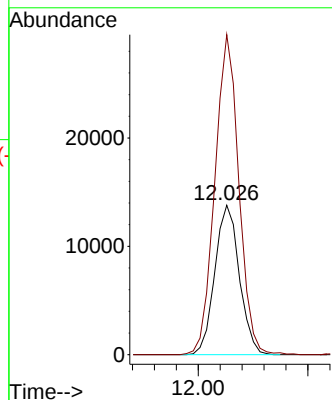
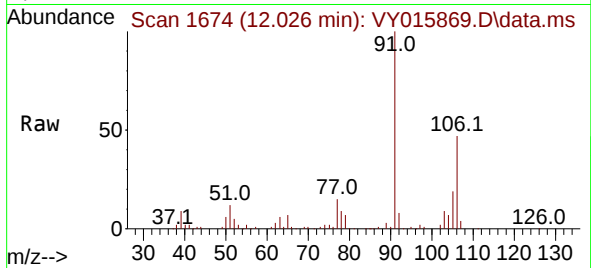




#69
o-Xylene
Concen: 4.222 ug/l
RT: 12.026 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

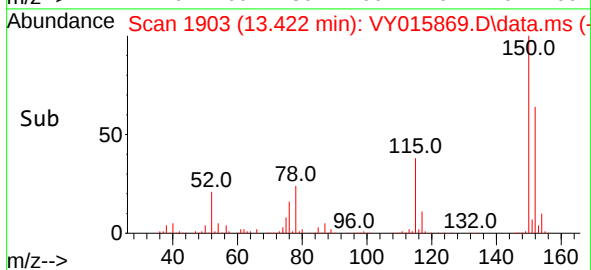
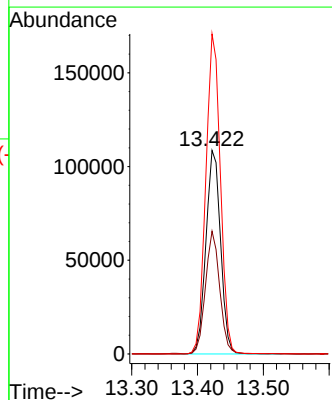
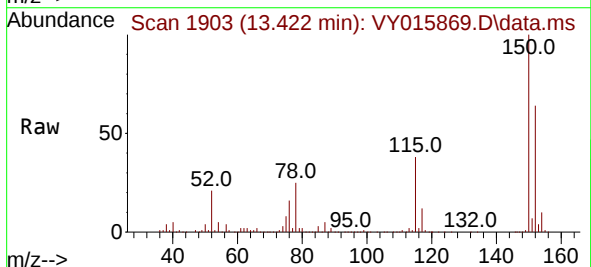
Instrument :
MSVOA_Y
ClientSampleId :
Q-1(5-10)

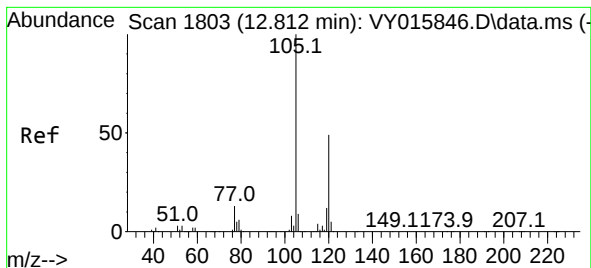
Tgt Ion:106 Resp: 21398
Ion Ratio Lower Upper
106 100
91 209.9 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015869.D
Acq: 06 Oct 2023 17:57

Tgt Ion:152 Resp: 168159
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 156.5 0.0 348.8





#80

1,3,5-Trimethylbenzene

Concen: 2.300 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015869.D

Acq: 06 Oct 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

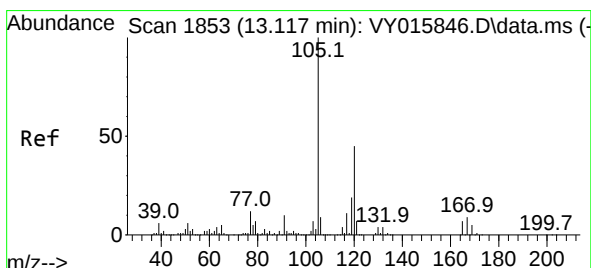
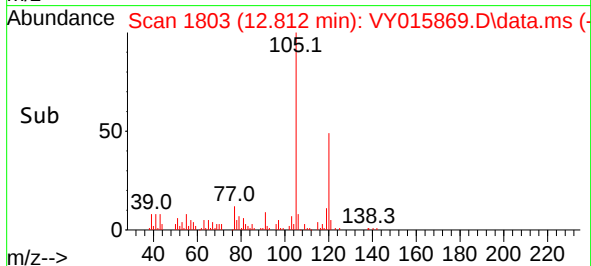
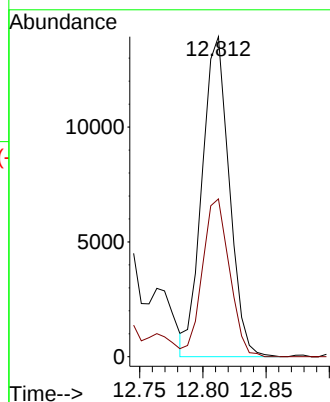
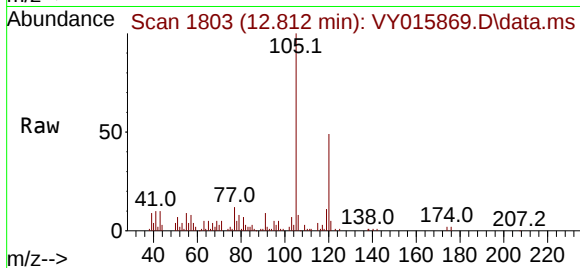
Q-1(5-10)

Tgt Ion:105 Resp: 20876

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 4.170 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015869.D

Acq: 06 Oct 2023 17:57

Tgt Ion:105 Resp: 38030

Ion Ratio Lower Upper

105 100

120 45.8 22.2 66.6

