

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017292.D
 Acq On : 07 Feb 2024 16:24
 Operator : SY/MD
 Sample : P1367-03
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-7-0-2

Quant Time: Feb 08 01:44:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

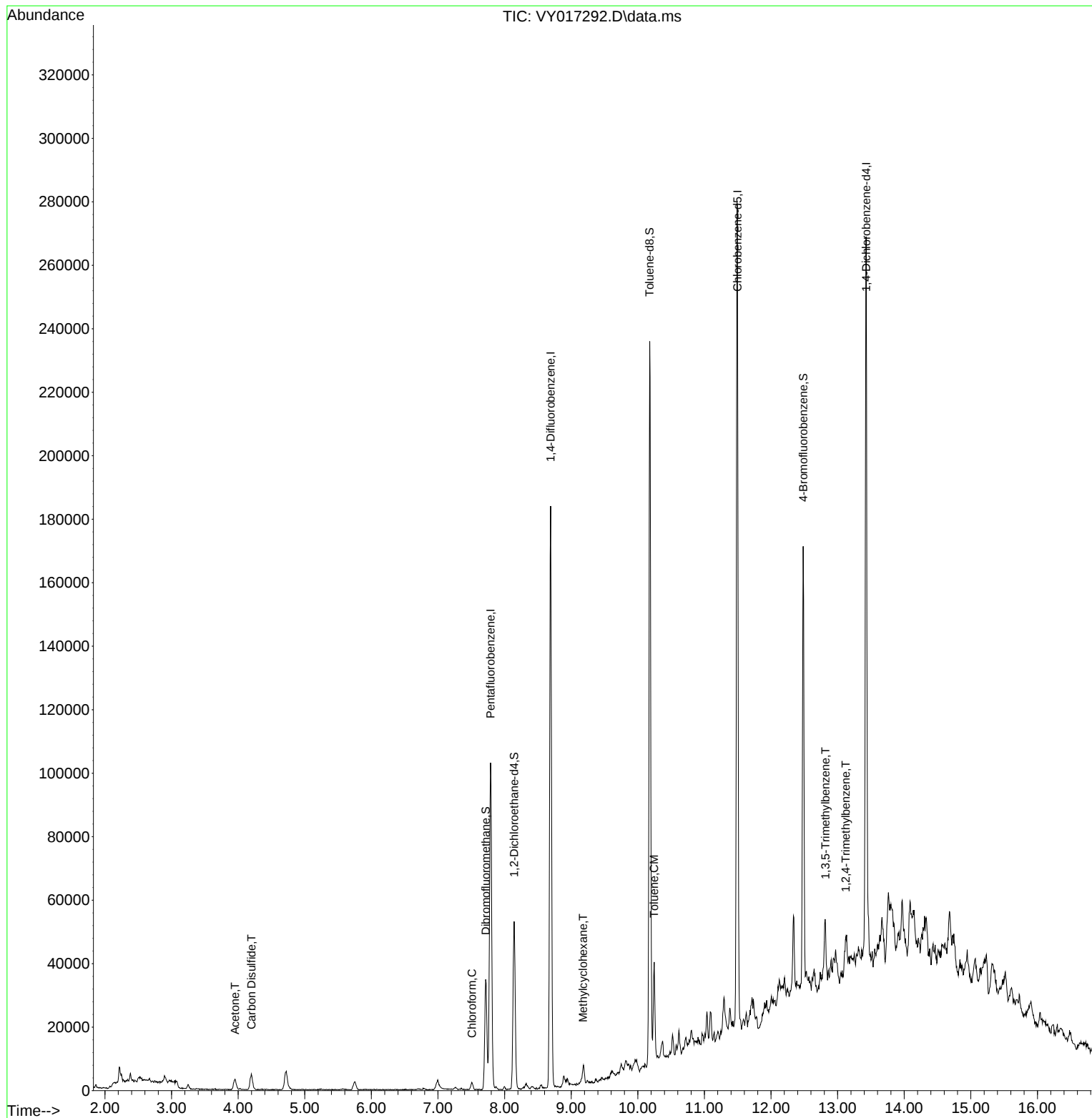
Internal Standards						
1) Pentafluorobenzene	7.789	168	74240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	137122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	53526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	39766	59.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.920%
35) Dibromofluoromethane	7.716	113	24202	29.795	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	59.580%
50) Toluene-d8	10.179	98	139579	47.195	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.483	95	42384	43.748	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.500%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	6223	31.925	ug/l	99
17) Carbon Disulfide	4.198	76	8402	3.658	ug/l	97
30) Chloroform	7.508	83	2226	1.512	ug/l	99
39) Methylcyclohexane	9.179	83	2553	1.560	ug/l	89
52) Toluene	10.246	92	12036	4.983	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	4977	1.591	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	4668	1.512	ug/l	77

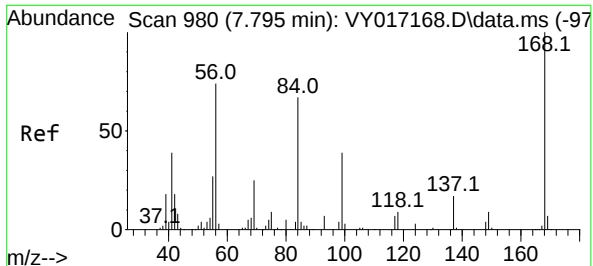
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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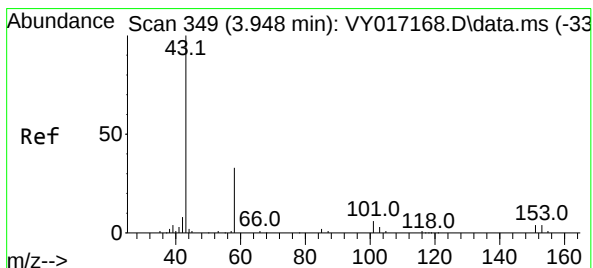
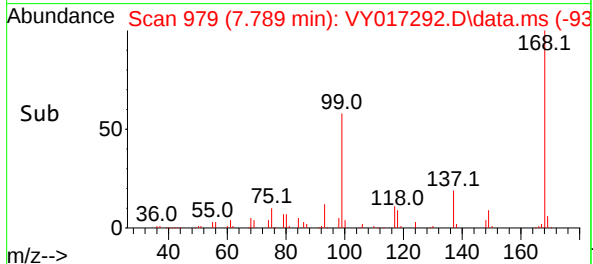
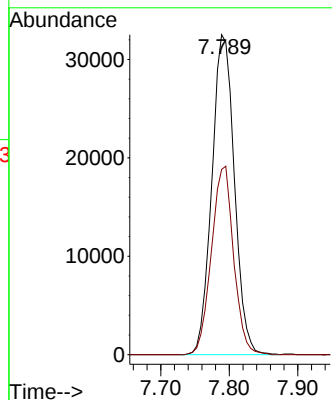
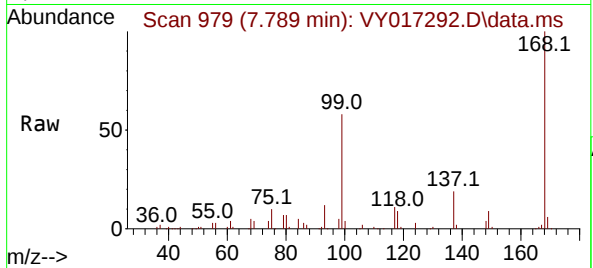




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

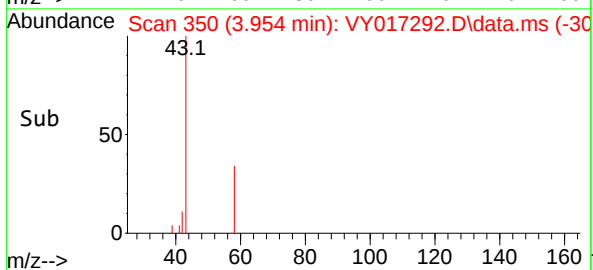
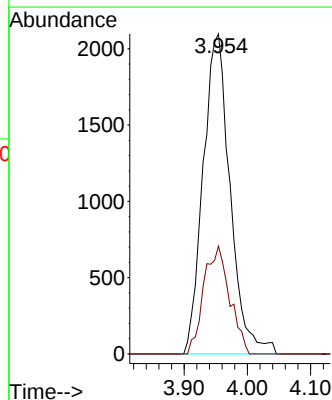
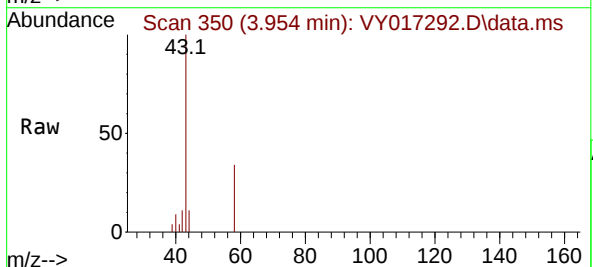
Instrument :
MSVOA_Y
ClientSampleId :
EB-7-0-2

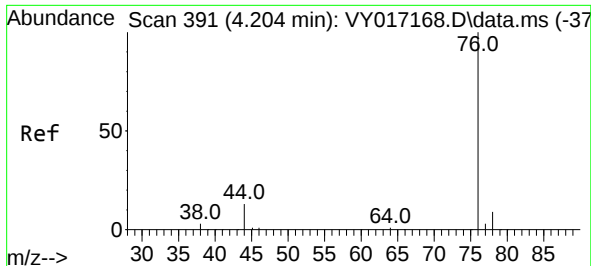
Tgt Ion:168 Resp: 74240
Ion Ratio Lower Upper
168 100
99 57.9 44.2 66.4



#16
Acetone
Concen: 31.925 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

Tgt Ion: 43 Resp: 6223
Ion Ratio Lower Upper
43 100
58 33.7 26.6 39.8

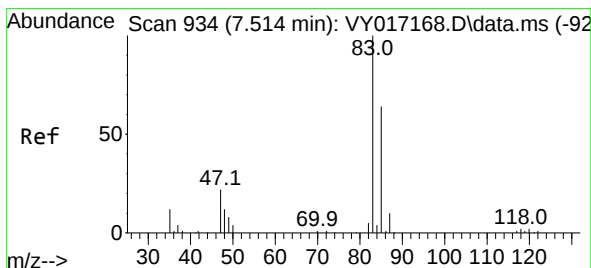
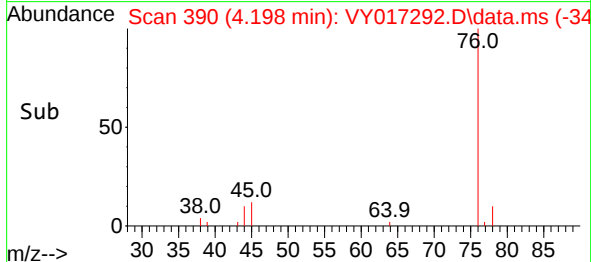
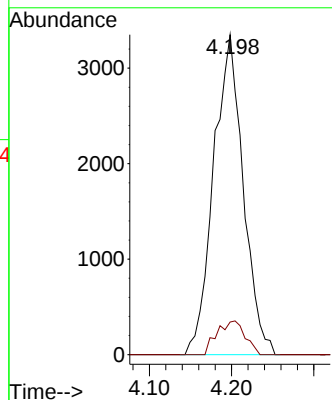
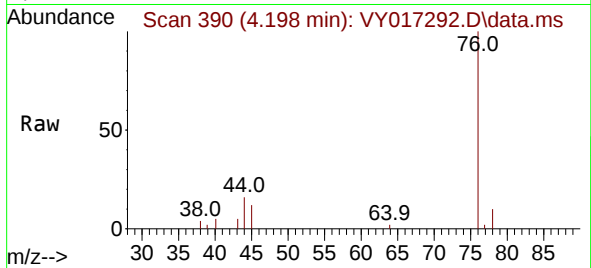




#17
Carbon Disulfide
Concen: 3.658 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

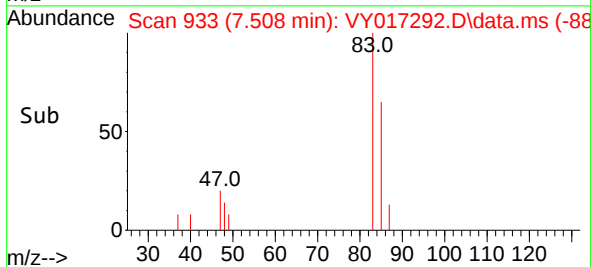
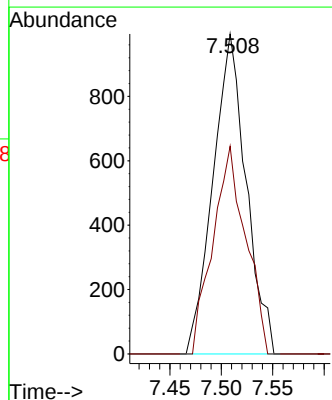
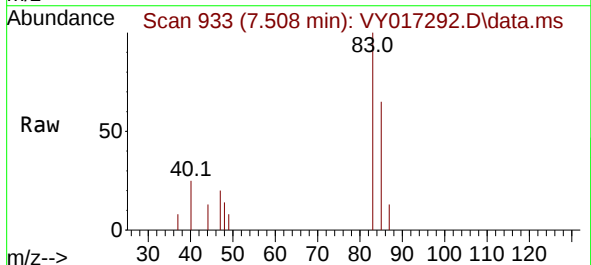
Instrument :
MSVOA_Y
ClientSampleId :
EB-7-0-2

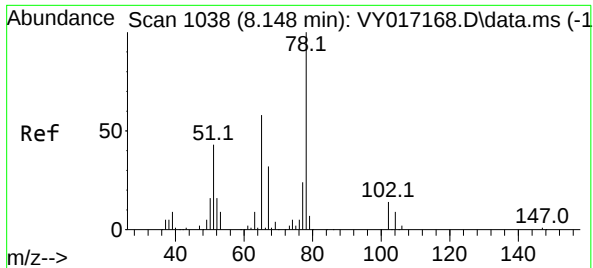
Tgt Ion: 76 Resp: 8402
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0



#30
Chloroform
Concen: 1.512 ug/l
RT: 7.508 min Scan# 933
Delta R.T. -0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

Tgt Ion: 83 Resp: 2226
Ion Ratio Lower Upper
83 100
85 64.9 51.2 76.8





#33

1,2-Dichloroethane-d4

Concen: 59.959 ug/l

RT: 8.142 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VY017292.D

Acq: 07 Feb 2024 16:24

Instrument :

MSVOA_Y

ClientSampleId :

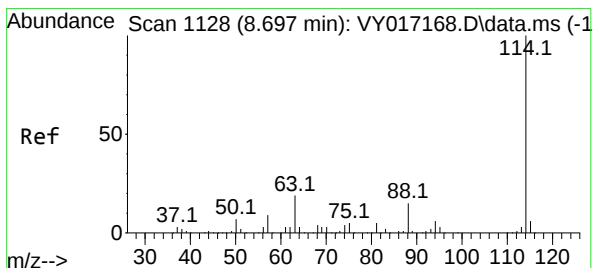
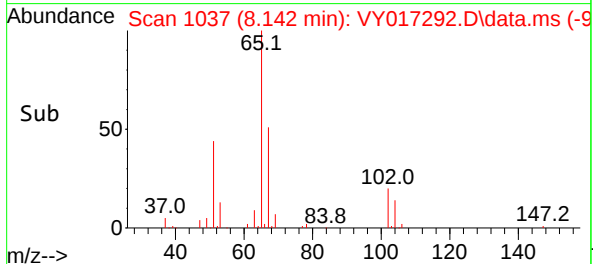
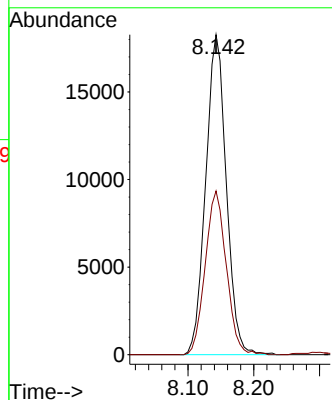
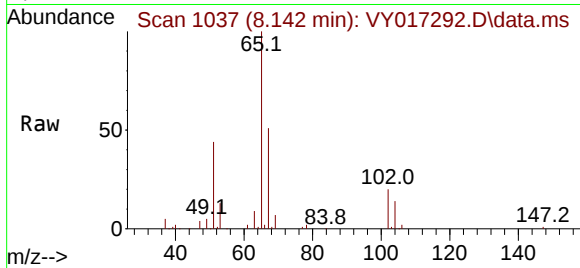
EB-7-0-2

Tgt Ion: 65 Resp: 39766

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017292.D

Acq: 07 Feb 2024 16:24

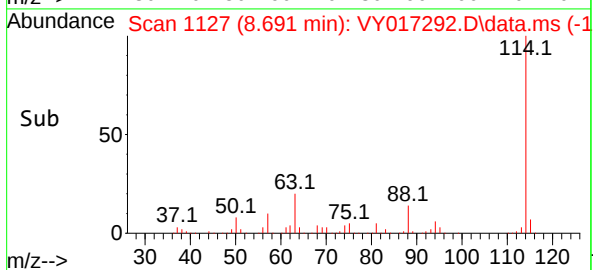
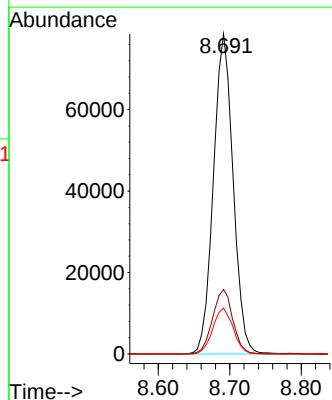
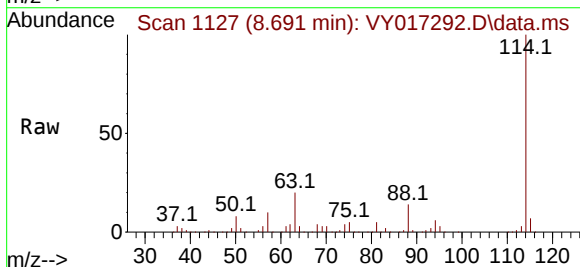
Tgt Ion: 114 Resp: 150441

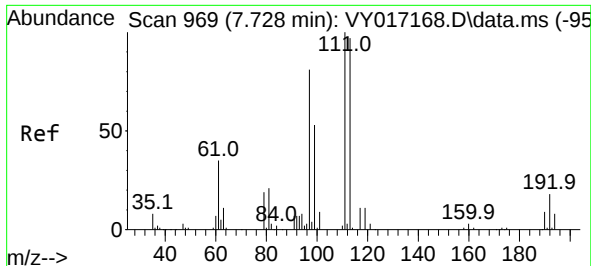
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 29.795 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY017292.D

Acq: 07 Feb 2024 16:24

Instrument :

MSVOA_Y

ClientSampleId :

EB-7-0-2

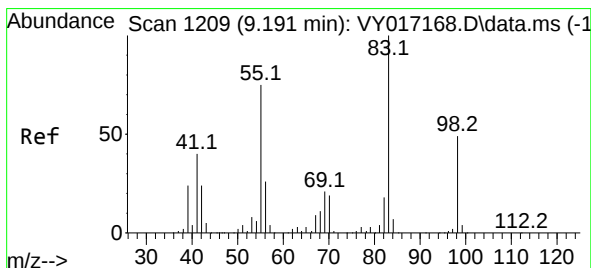
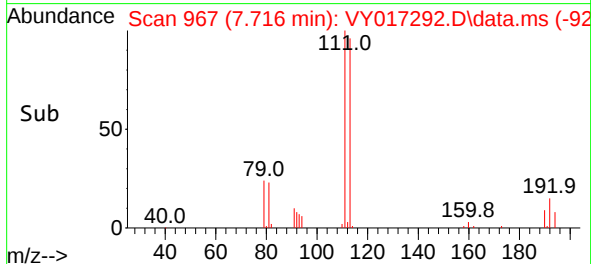
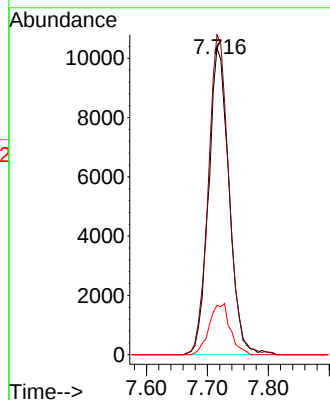
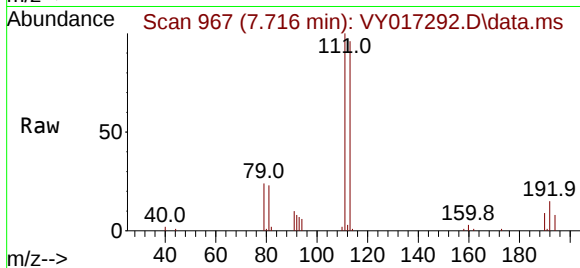
Tgt Ion:113 Resp: 24202

Ion Ratio Lower Upper

113 100

111 104.8 83.8 125.6

192 17.0 14.5 21.7



#39

Methylcyclohexane

Concen: 1.560 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.012 min

Lab File: VY017292.D

Acq: 07 Feb 2024 16:24

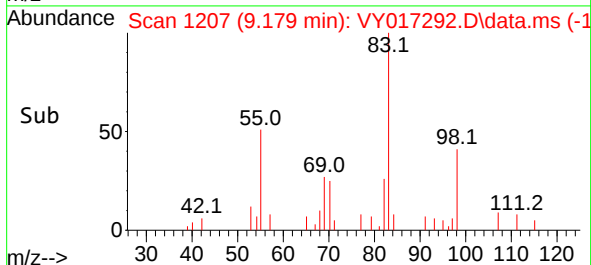
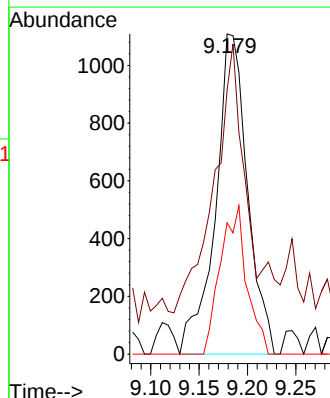
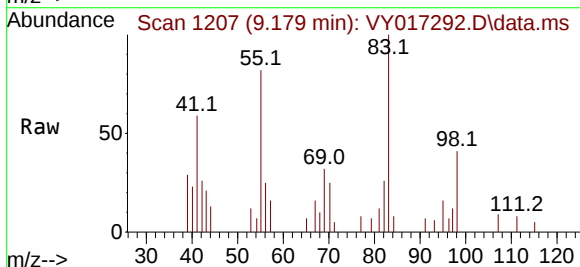
Tgt Ion: 83 Resp: 2553

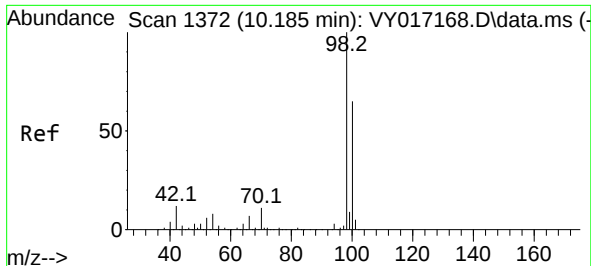
Ion Ratio Lower Upper

83 100

55 64.1 59.7 89.5

98 41.0 38.0 57.0

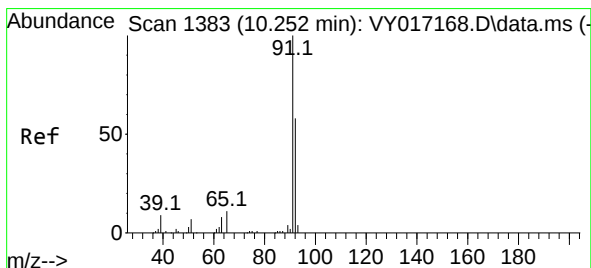
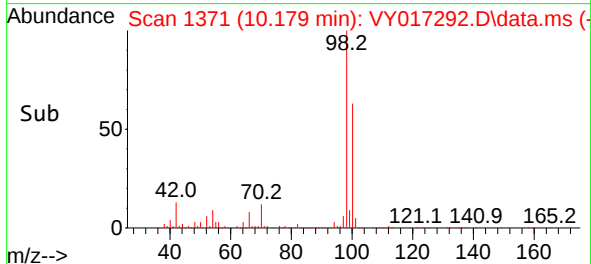
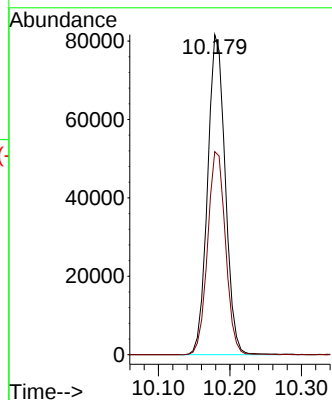
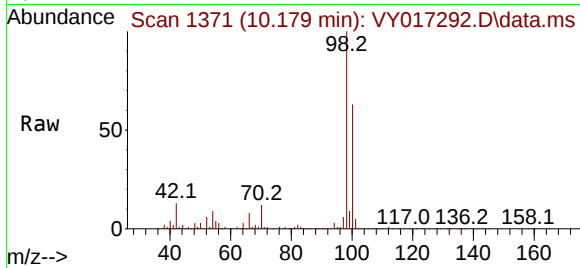




#50
Toluene-d8
Concen: 47.195 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

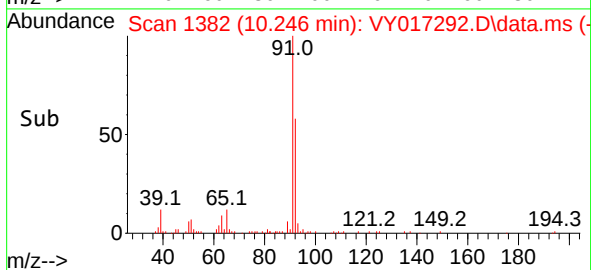
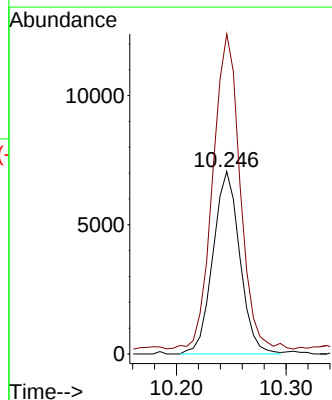
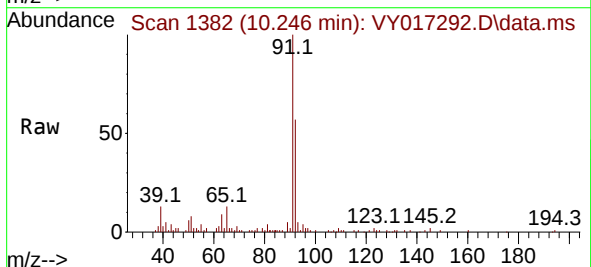
Instrument :
MSVOA_Y
ClientSampleId :
EB-7-0-2

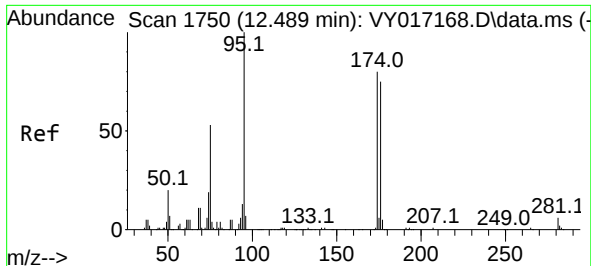
Tgt Ion: 98 Resp: 139579
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#52
Toluene
Concen: 4.983 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

Tgt Ion: 92 Resp: 12036
Ion Ratio Lower Upper
92 100
91 174.6 137.6 206.4

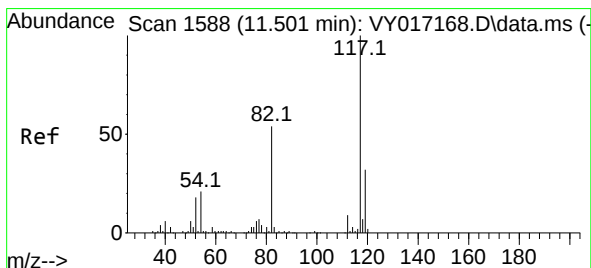
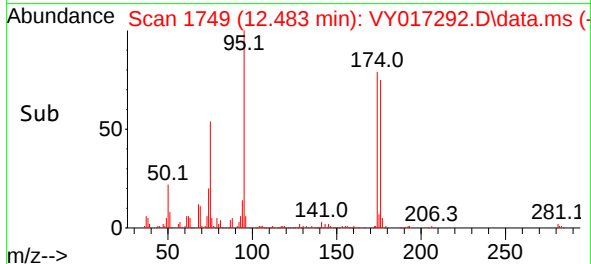
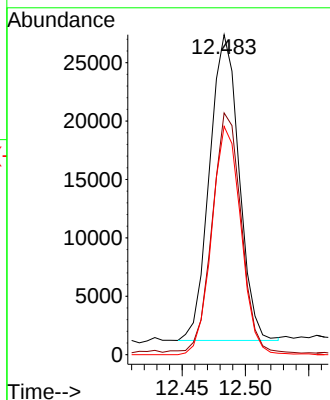
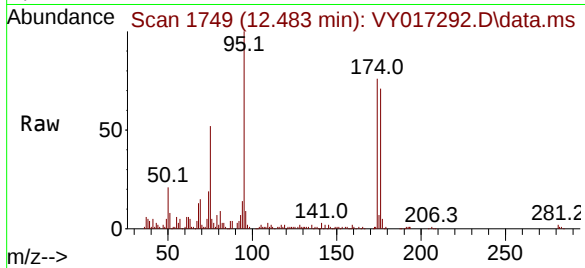




#62
4-Bromofluorobenzene
Concen: 43.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

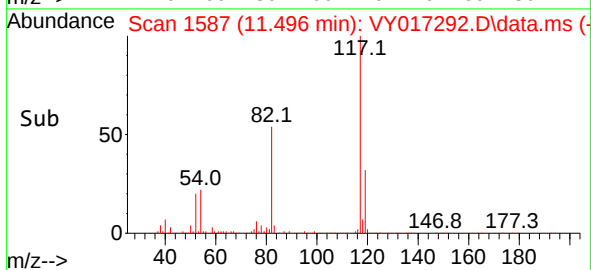
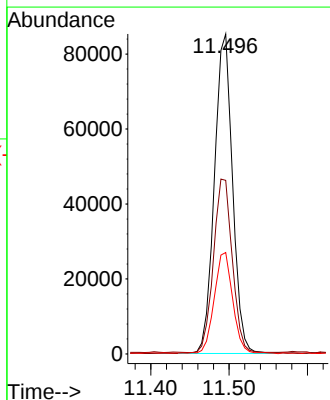
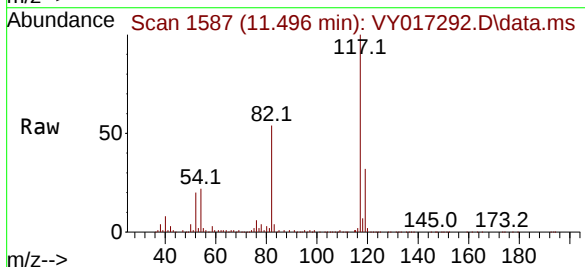
Instrument :
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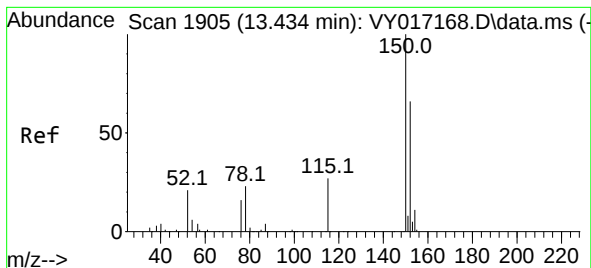
Tgt Ion: 95 Resp: 42384
Ion Ratio Lower Upper
95 100
174 77.5 0.0 160.0
176 73.7 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017292.D
Acq: 07 Feb 2024 16:24

Tgt Ion: 117 Resp: 137122
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.8
119 31.6 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017292.D

Acq: 07 Feb 2024 16:24

Instrument :

MSVOA_Y

ClientSampleId :

EB-7-0-2

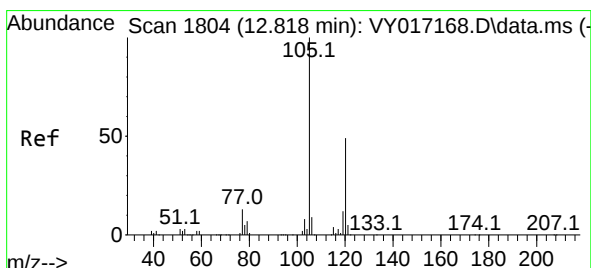
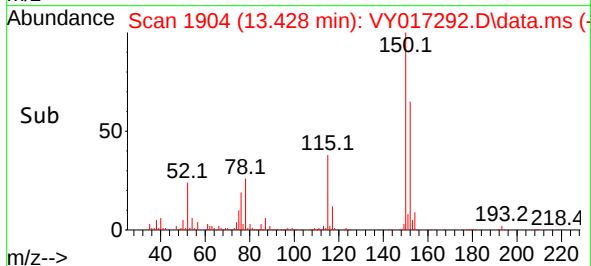
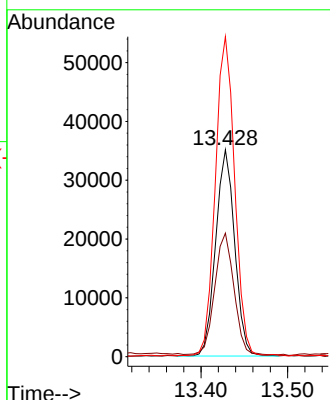
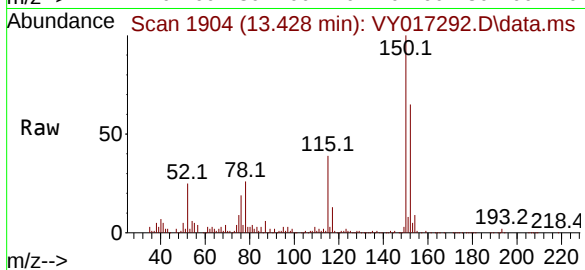
Tgt Ion:152 Resp: 53526

Ion Ratio Lower Upper

152 100

115 60.8 30.0 90.0

150 156.4 0.0 344.6



#80

1,3,5-Trimethylbenzene

Concen: 1.591 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.000 min

Lab File: VY017292.D

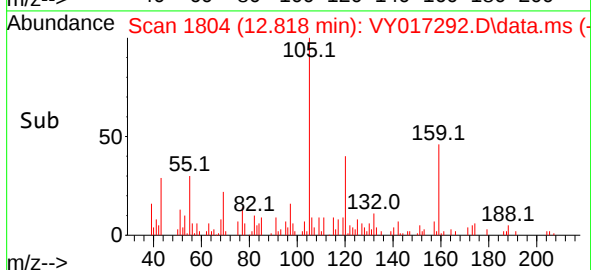
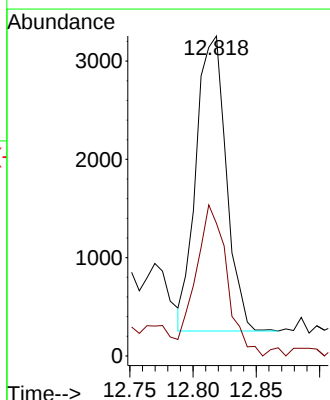
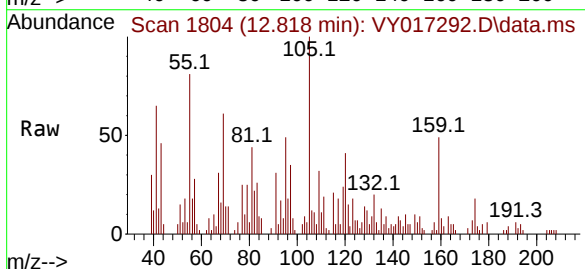
Acq: 07 Feb 2024 16:24

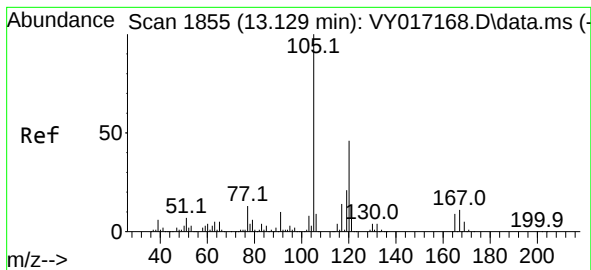
Tgt Ion:105 Resp: 4977

Ion Ratio Lower Upper

105 100

120 52.5 24.3 72.8





#84
 1,2,4-Trimethylbenzene
 Concen: 1.512 ug/l
 RT: 13.123 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY017292.D
 Acq: 07 Feb 2024 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-7-0-2

Tgt Ion:105 Resp: 4668
 Ion Ratio Lower Upper
 105 100
 120 29.1 22.1 66.3

