

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015968.D
 Acq On : 13 Oct 2023 19:23
 Operator : SY/MD
 Sample : 04876-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 30103

Quant Time: Oct 14 01:51:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

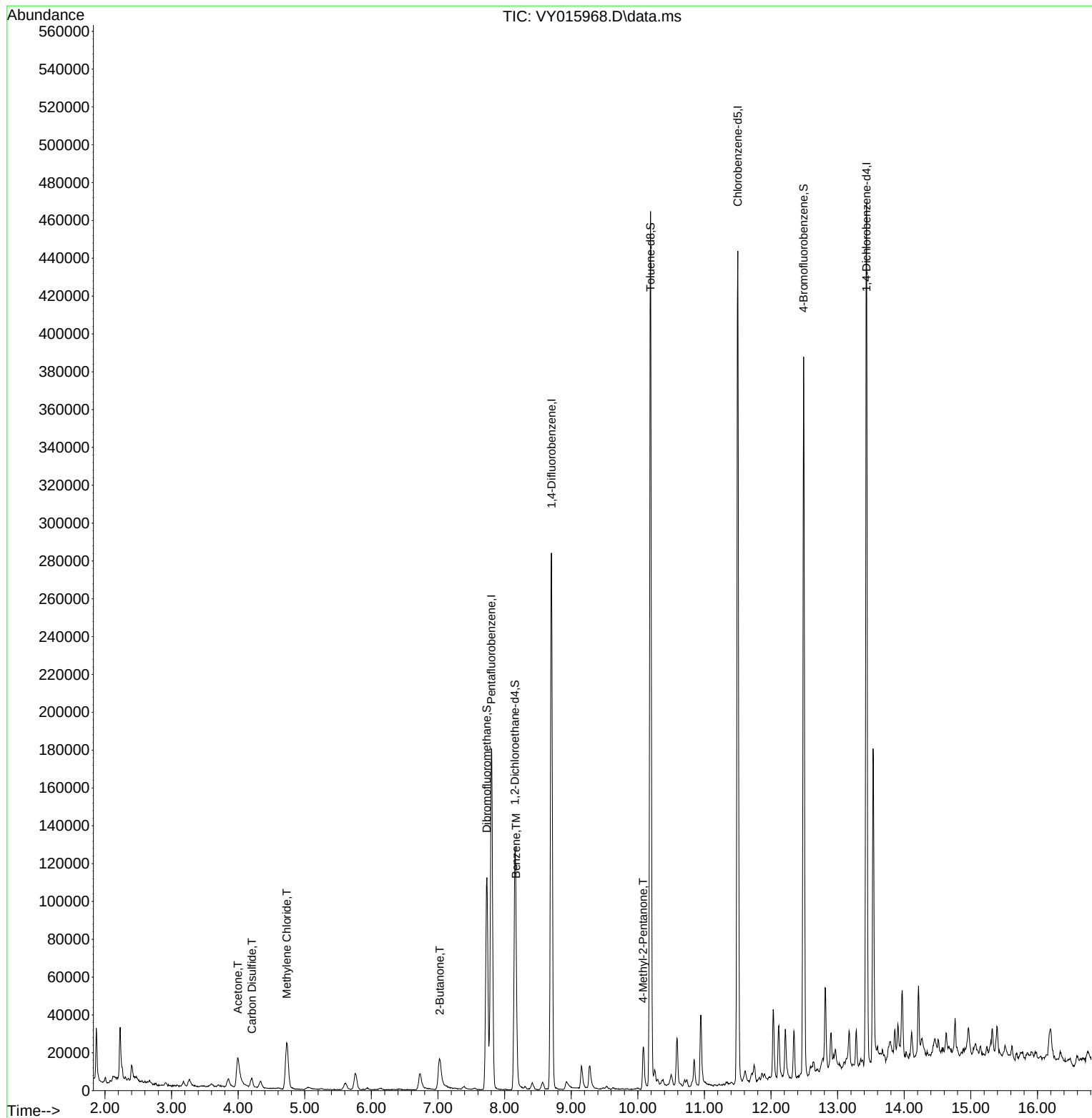
Internal Standards						
1) Pentafluorobenzene	7.801	168	145037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	250930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	243608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	119797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	97703	59.025	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 118.060%		
35) Dibromofluoromethane	7.734	113	82061	51.946	ug/l	0.01
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.900%		
50) Toluene-d8	10.191	98	302478	51.129	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 102.260%		
62) 4-Bromofluorobenzene	12.489	95	111653	53.002	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 106.000%		
Target Compounds						
						Qvalue
16) Acetone	3.997	43	48021	49.942	ug/l	90
17) Carbon Disulfide	4.204	76	9481	2.199	ug/l	99
20) Methylene Chloride	4.728	84	19365	6.974	ug/l #	91
25) 2-Butanone	7.027	43	17331	12.384	ug/l	99
40) Benzene	8.173	78	21588	3.130	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	17270	5.931	ug/l	93

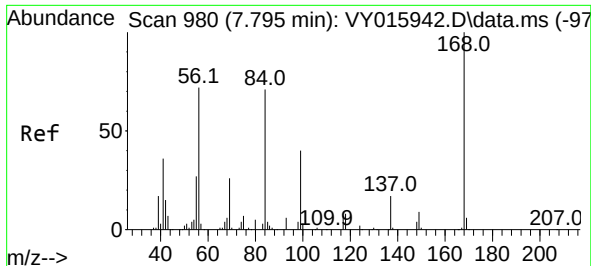
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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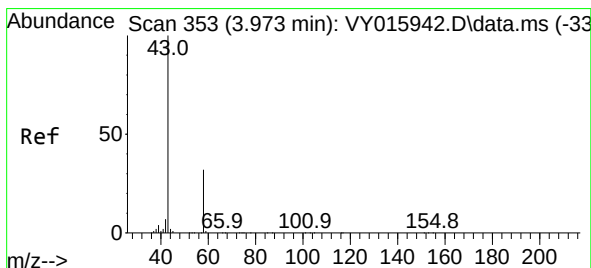
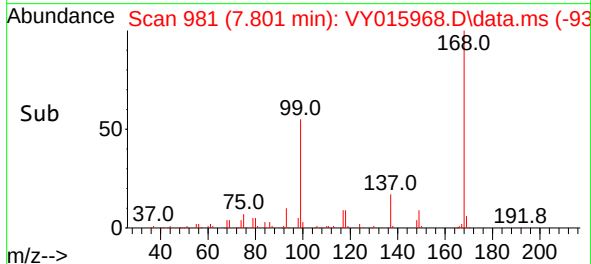
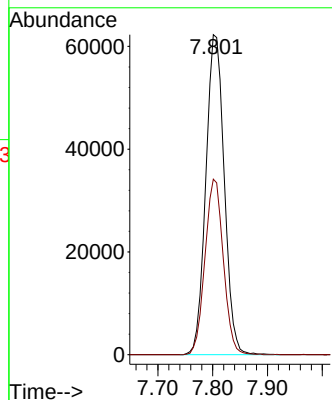
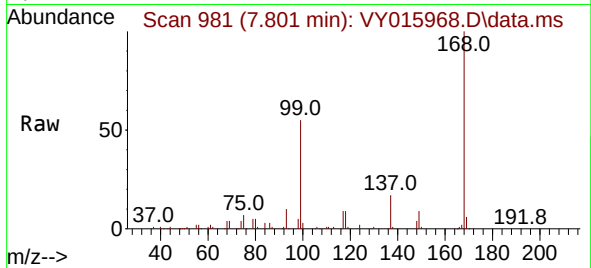




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

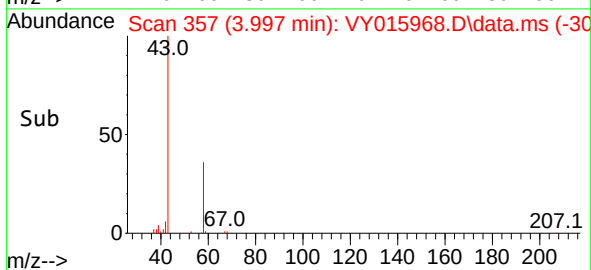
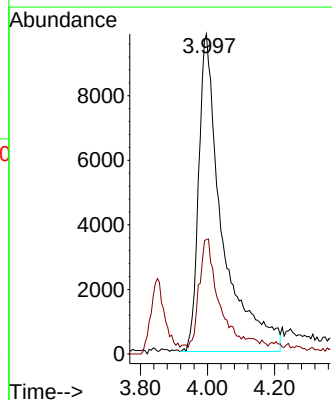
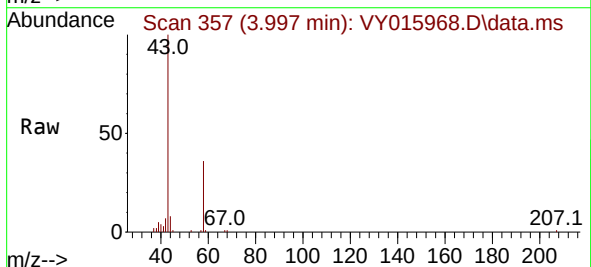
Instrument :
MSVOA_Y
ClientSampleId :
30103

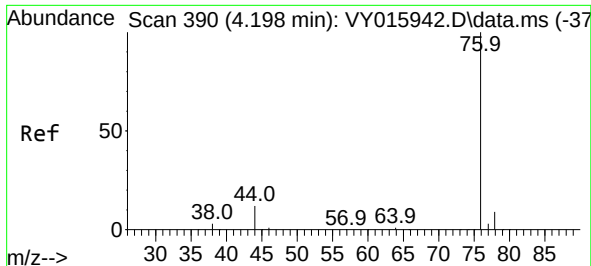
Tgt Ion:168 Resp: 145037
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#16
Acetone
Concen: 49.942 ug/l
RT: 3.997 min Scan# 357
Delta R.T. 0.024 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 43 Resp: 48021
Ion Ratio Lower Upper
43 100
58 33.9 22.7 34.1

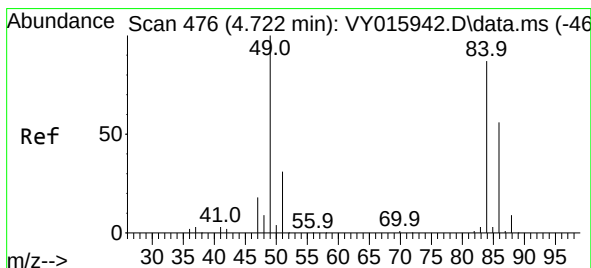
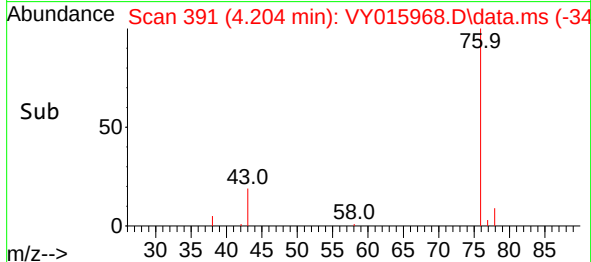
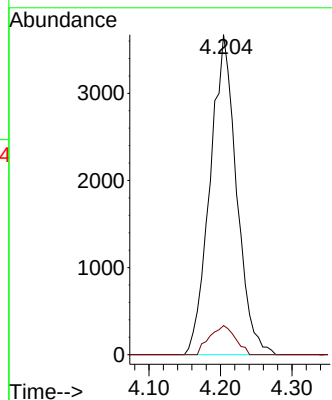
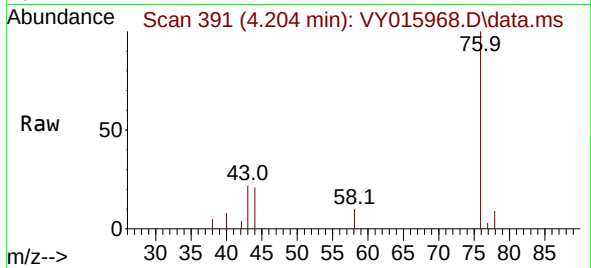




#17
Carbon Disulfide
Concen: 2.199 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

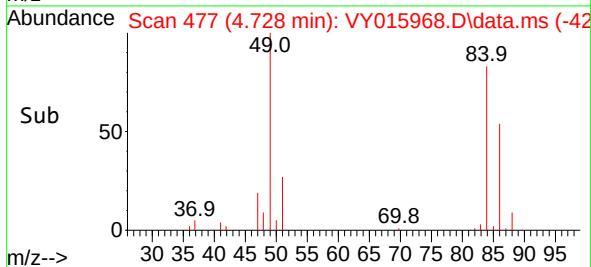
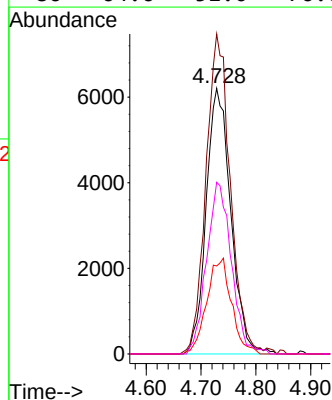
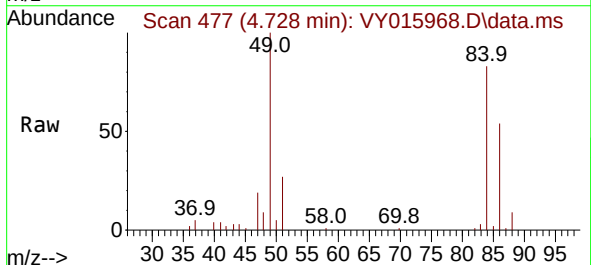
Instrument :
MSVOA_Y
ClientSampleId :
30103

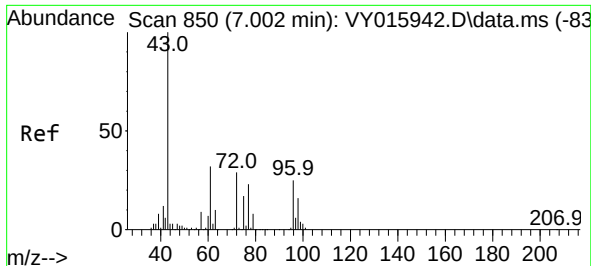
Tgt Ion: 76 Resp: 9481
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#20
Methylene Chloride
Concen: 6.974 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 84 Resp: 19365
Ion Ratio Lower Upper
84 100
49 120.4 106.9 160.3
51 33.1 33.2 49.8#
86 64.6 51.0 76.6

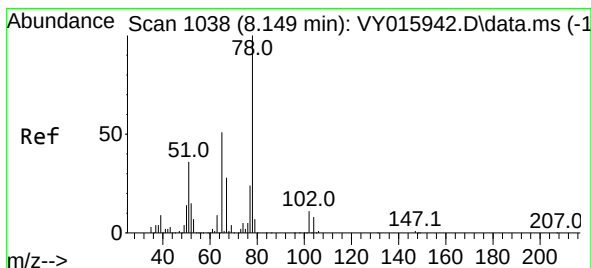
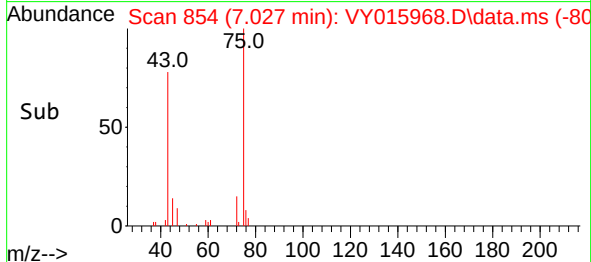
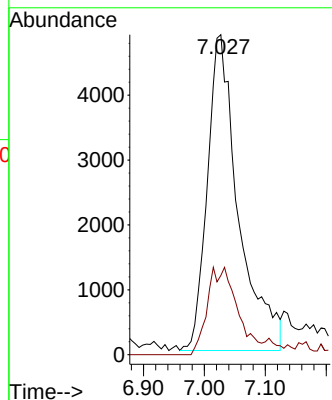
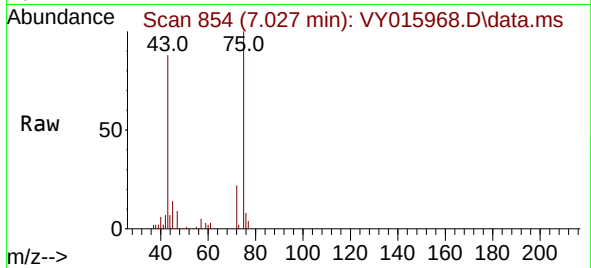




#25
2-Butanone
Concen: 12.384 ug/l
RT: 7.027 min Scan# 81
Delta R.T. 0.024 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

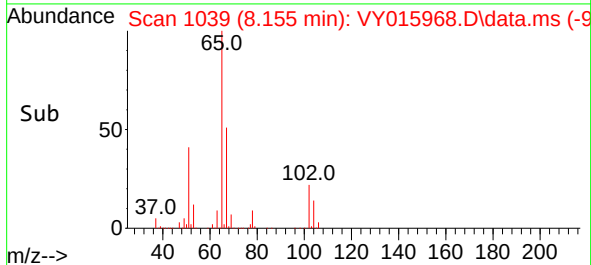
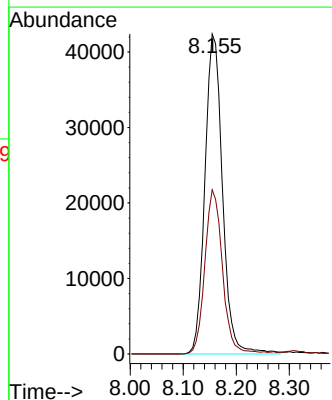
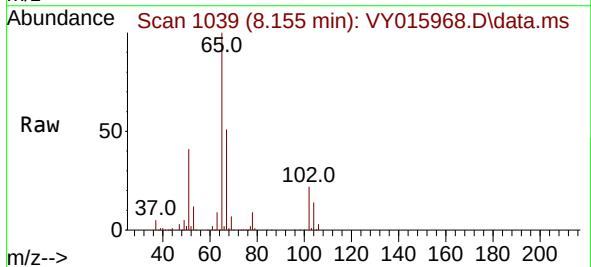
Instrument :
MSVOA_Y
ClientSampleId :
30103

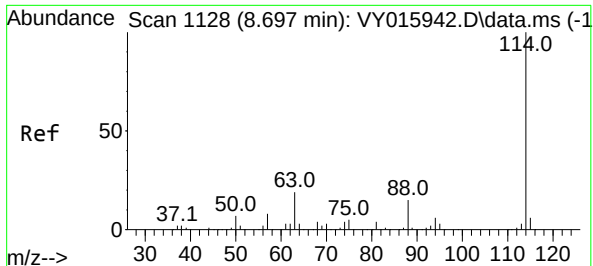
Tgt Ion: 43 Resp: 17331
Ion Ratio Lower Upper
43 100
72 25.1 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 59.025 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 65 Resp: 97703
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

30103

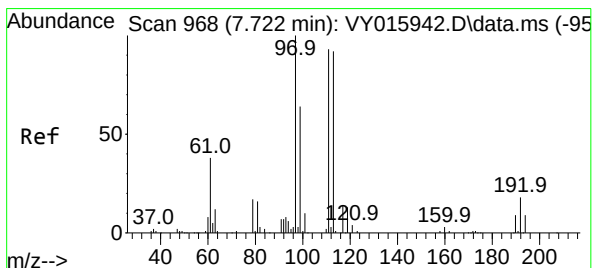
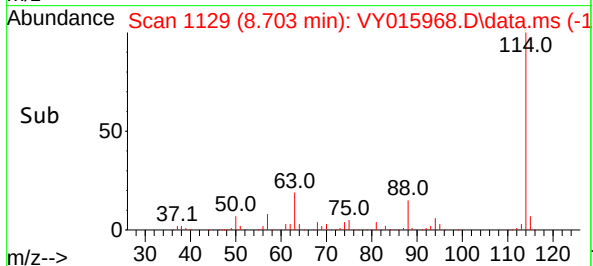
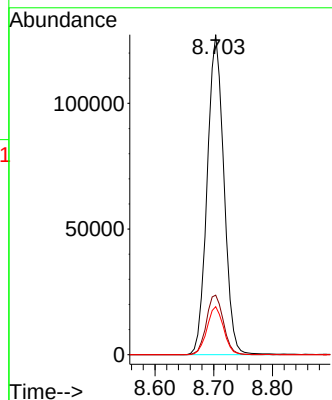
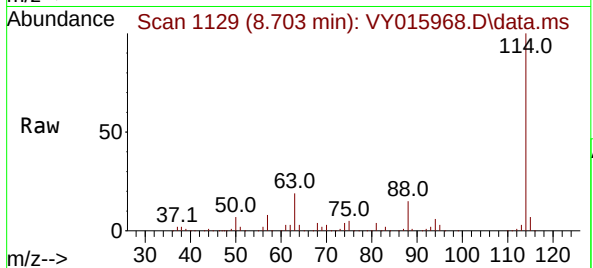
Tgt Ion:114 Resp: 250930

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.946 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.012 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

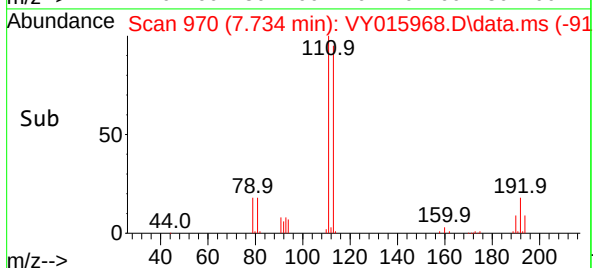
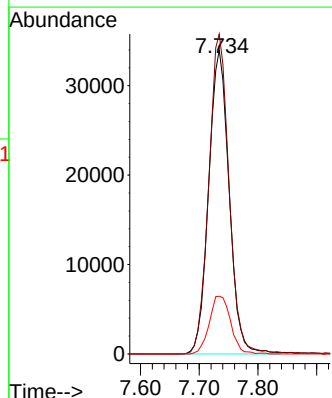
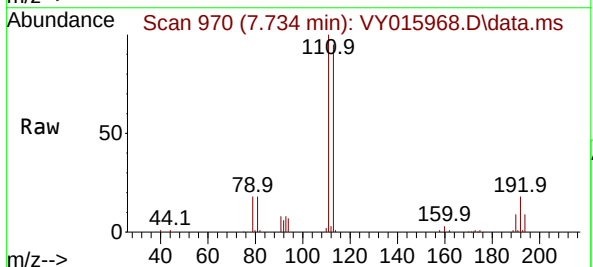
Tgt Ion:113 Resp: 82061

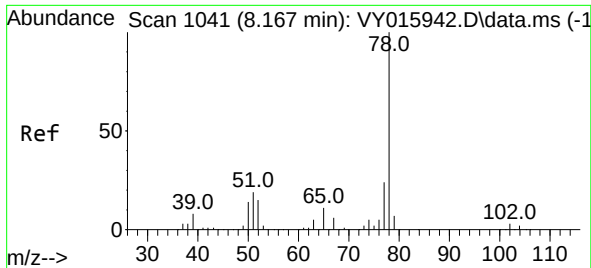
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

192 19.9 16.9 25.3

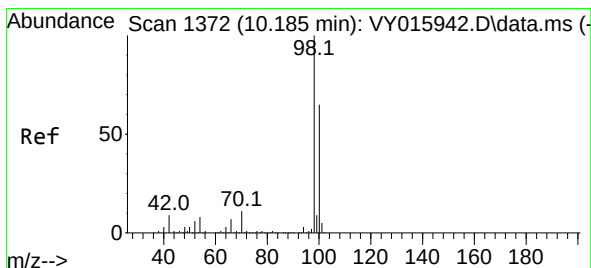
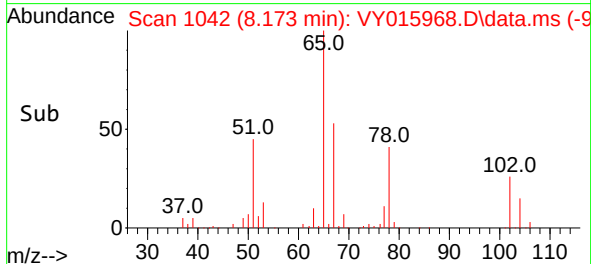
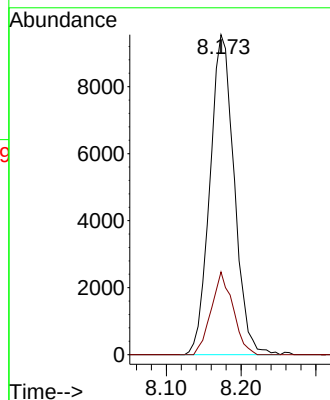
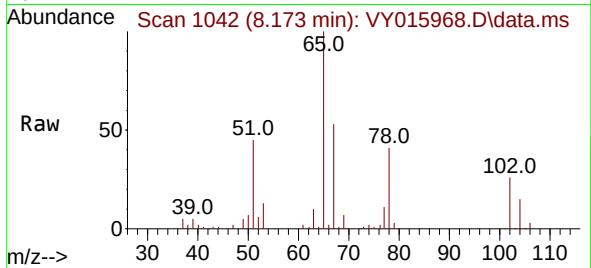




#40
Benzene
Concen: 3.130 ug/l
RT: 8.173 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

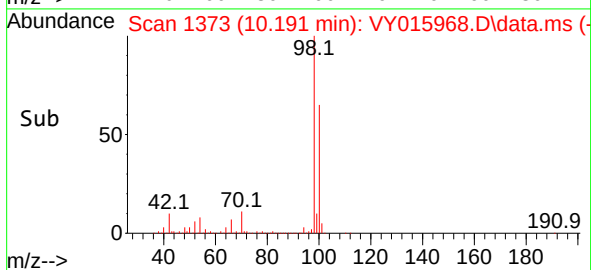
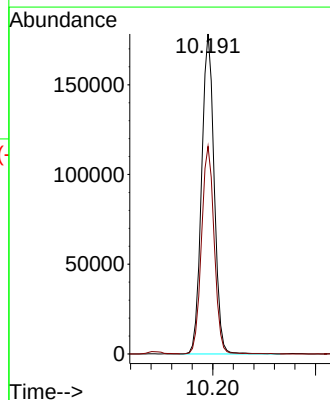
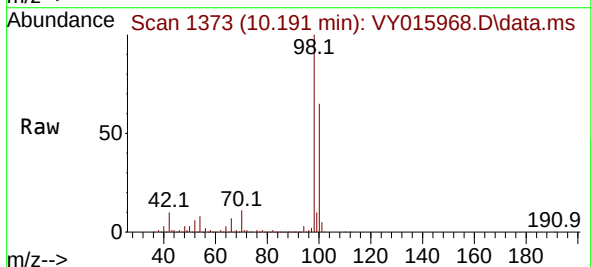
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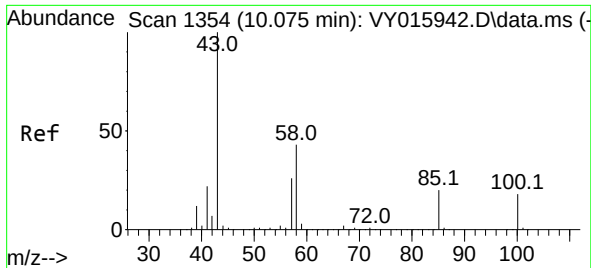
Tgt Ion: 78 Resp: 21588
Ion Ratio Lower Upper
78 100
77 25.8 19.0 28.6



#50
Toluene-d8
Concen: 51.129 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 98 Resp: 302478
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

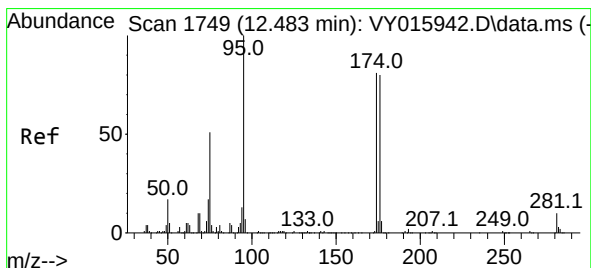
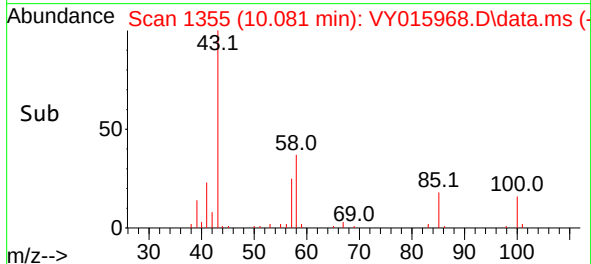
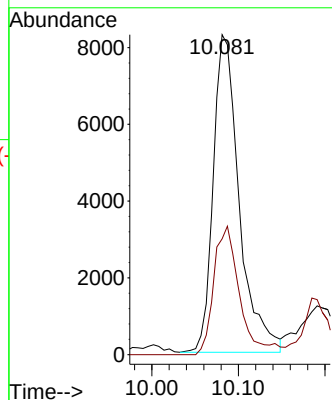
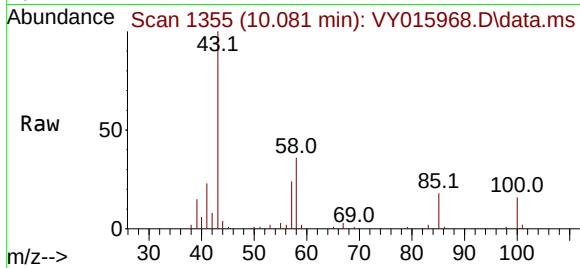




#51
4-Methyl-2-Pentanone
Concen: 5.931 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

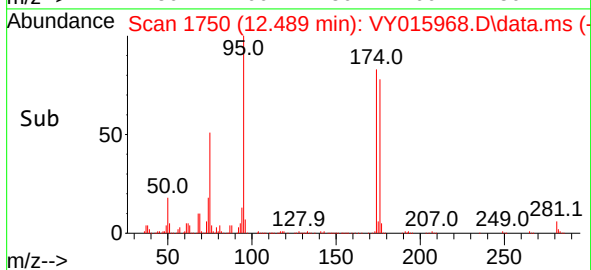
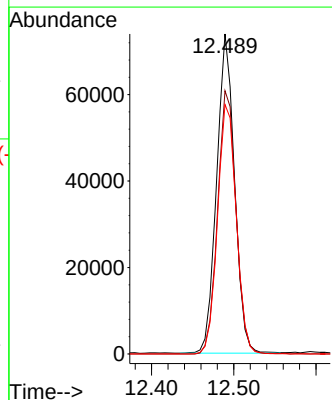
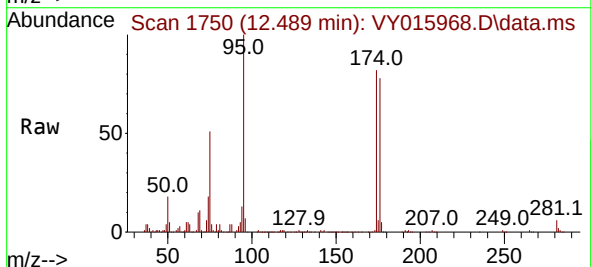
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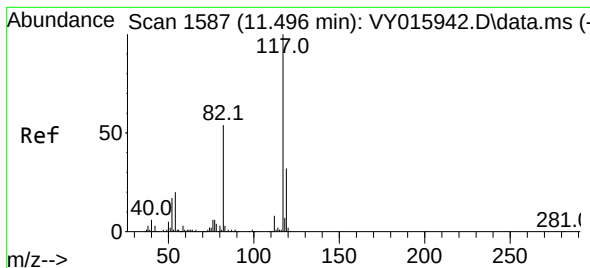
Tgt Ion: 43 Resp: 17270
Ion Ratio Lower Upper
43 100
58 40.6 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 53.002 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 95 Resp: 111653
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 81.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

30103

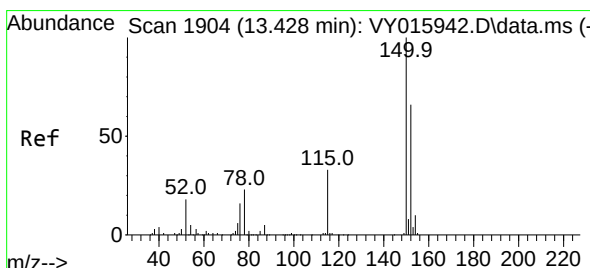
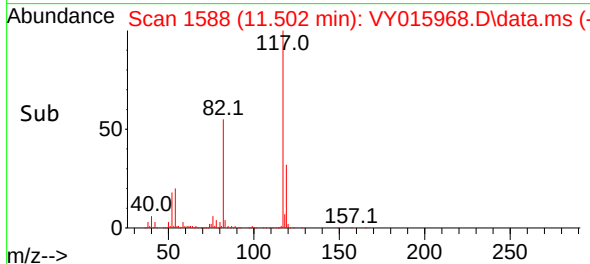
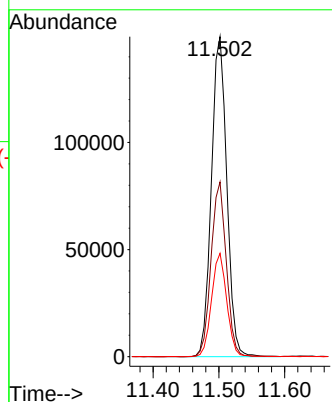
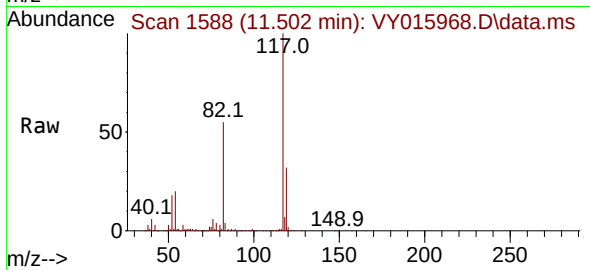
Tgt Ion:117 Resp: 243608

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Tgt Ion:152 Resp: 119797

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 157.7 0.0 348.8

