

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015966.D
 Acq On : 13 Oct 2023 18:36
 Operator : SY/MD
 Sample : 04878-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 283

Quant Time: Oct 14 01:51:04 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)

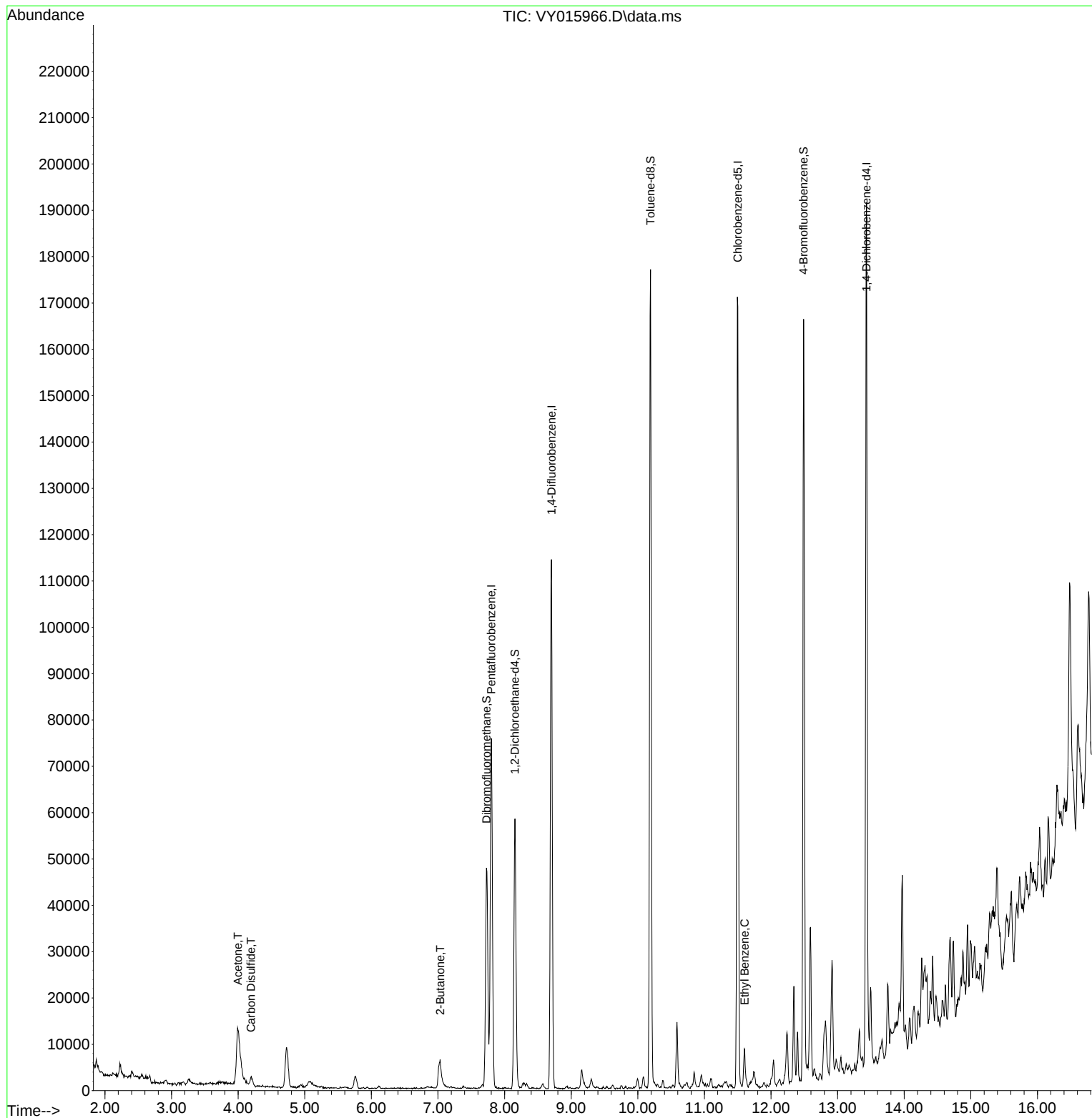
Internal Standards						
1) Pentafluorobenzene	7.801	168	59004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	99169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	97391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	49093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	45947	68.231	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.460%	
35) Dibromofluoromethane	7.728	113	34600	55.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.840%	
50) Toluene-d8	10.191	98	117718	50.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.489	95	43909	52.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.480%	
Target Compounds						
					Qvalue	
16) Acetone	3.997	43	33318	85.175	ug/l	92
17) Carbon Disulfide	4.192	76	3752	2.139	ug/l	96
25) 2-Butanone	7.033	43	7977	14.012	ug/l	98
67) Ethyl Benzene	11.605	91	5191	1.455	ug/l	95

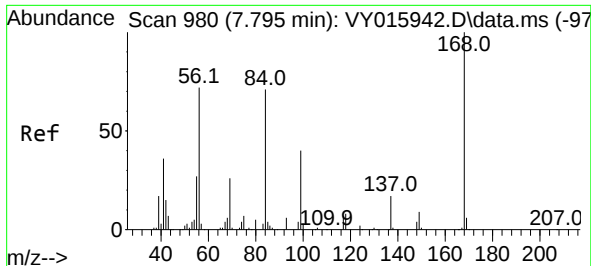
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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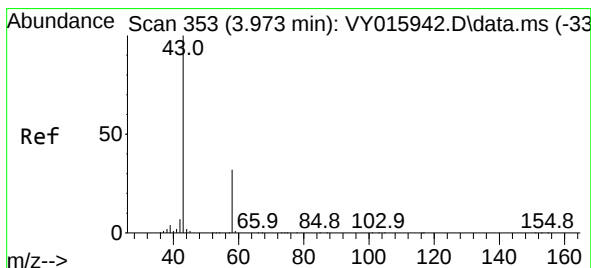
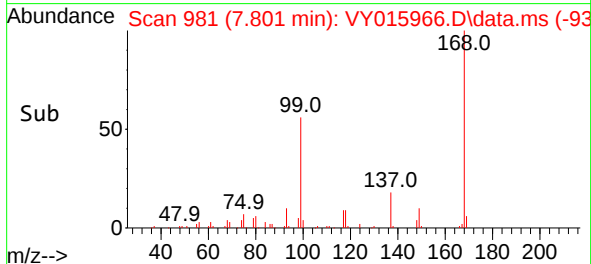
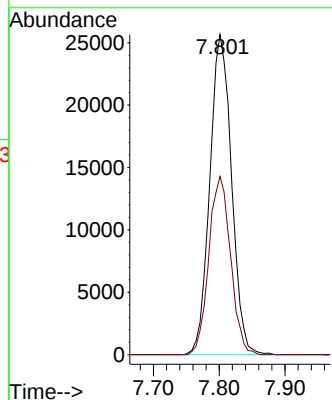
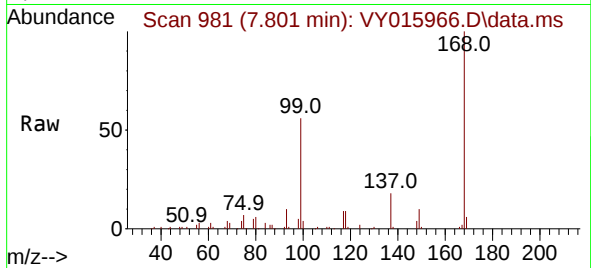




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

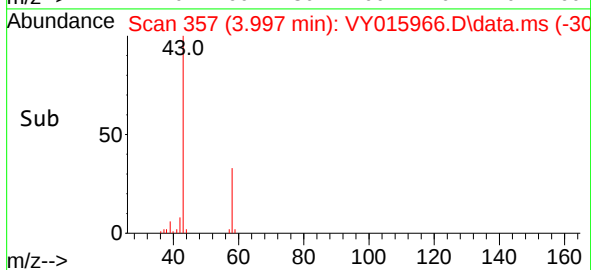
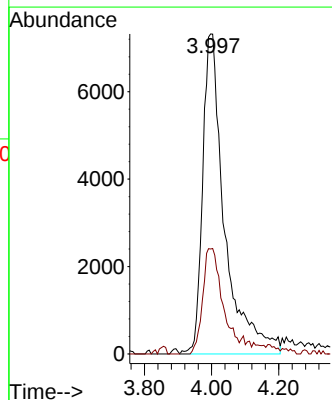
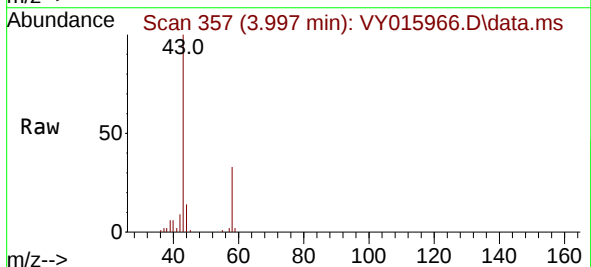
Instrument :
MSVOA_Y
ClientSampleId :
283

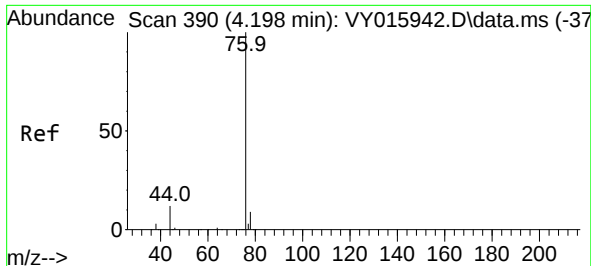
Tgt Ion:168 Resp: 59004
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#16
Acetone
Concen: 85.175 ug/l
RT: 3.997 min Scan# 357
Delta R.T. 0.024 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion: 43 Resp: 33318
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1

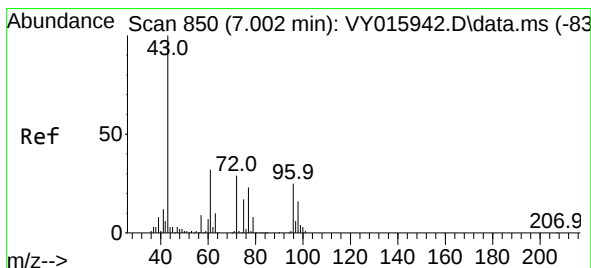
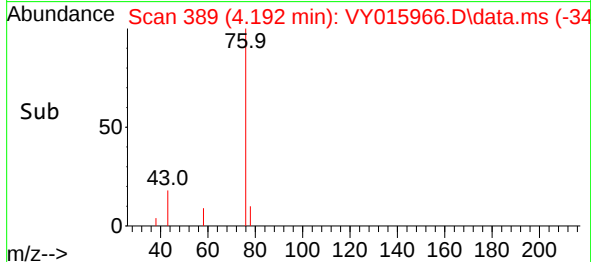
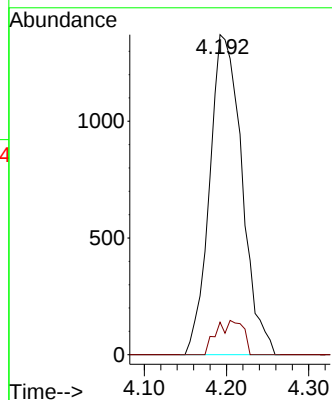
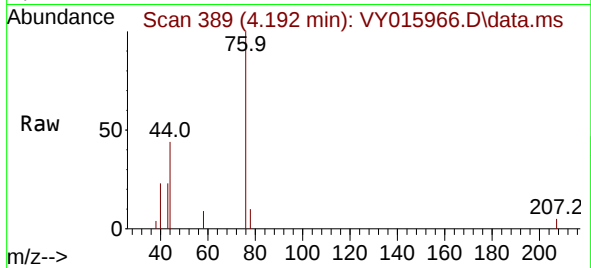




#17
Carbon Disulfide
Concen: 2.139 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

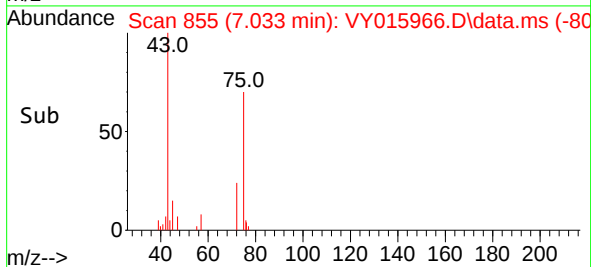
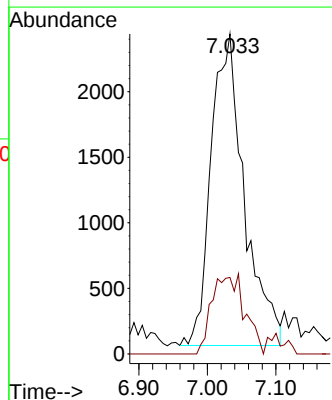
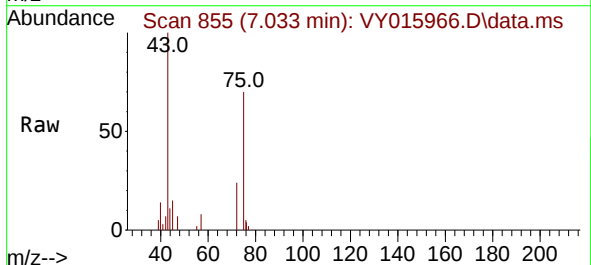
Instrument :
MSVOA_Y
ClientSampleId :
283

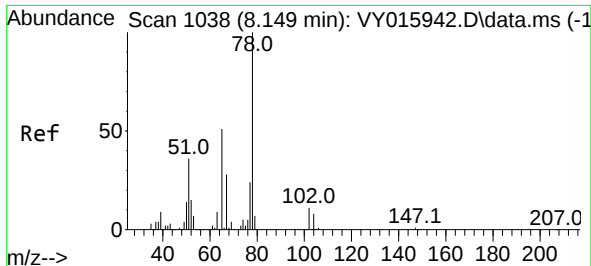
Tgt Ion: 76 Resp: 3752
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4



#25
2-Butanone
Concen: 14.012 ug/l
RT: 7.033 min Scan# 855
Delta R.T. 0.031 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion: 43 Resp: 7977
Ion Ratio Lower Upper
43 100
72 24.5 20.5 30.7

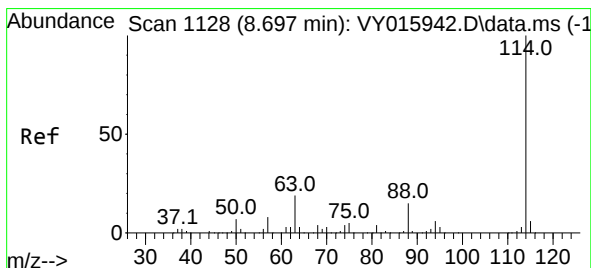
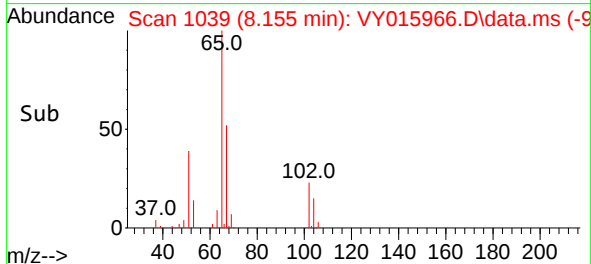
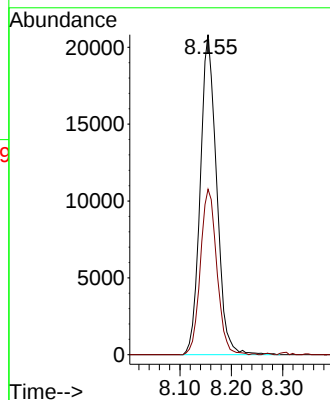
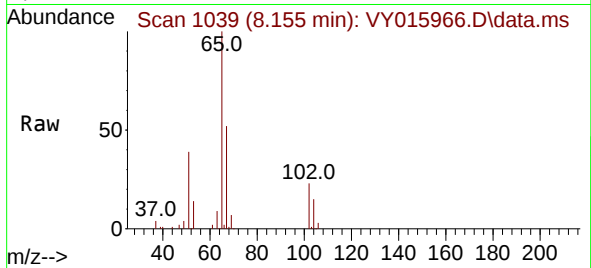




#33
 1,2-Dichloroethane-d4
 Concen: 68.231 ug/l
 RT: 8.155 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY015966.D
 Acq: 13 Oct 2023 18:36

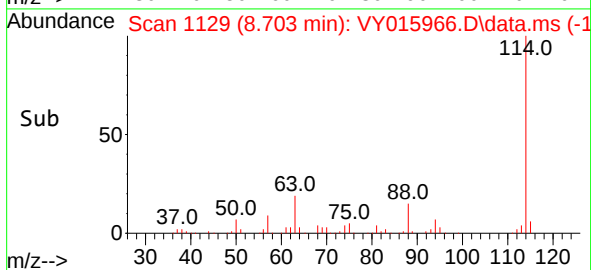
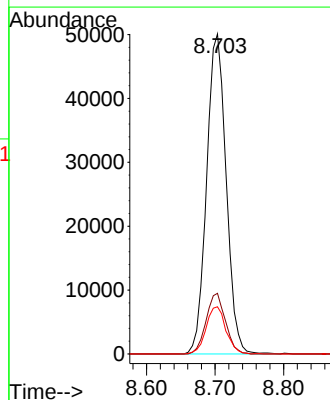
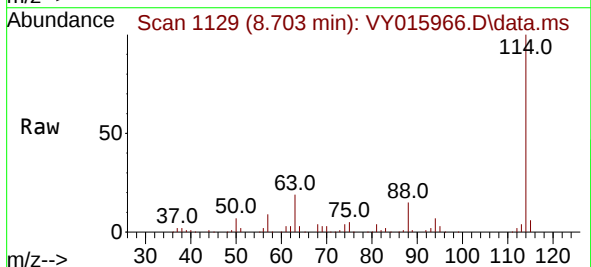
Instrument :
 MSVOA_Y
 ClientSampleId :
 283

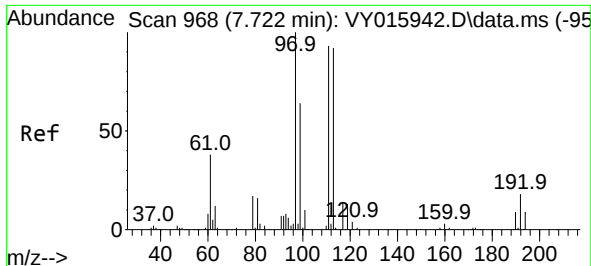
Tgt Ion: 65 Resp: 45947
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY015966.D
 Acq: 13 Oct 2023 18:36

Tgt Ion: 114 Resp: 99169
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.420 ug/l

RT: 7.728 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

283

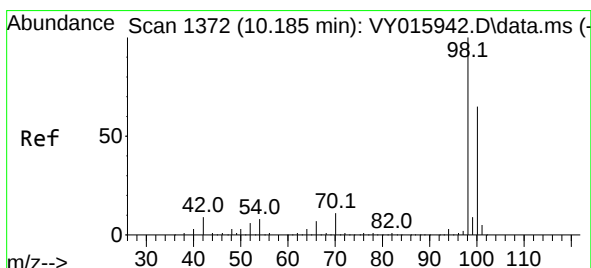
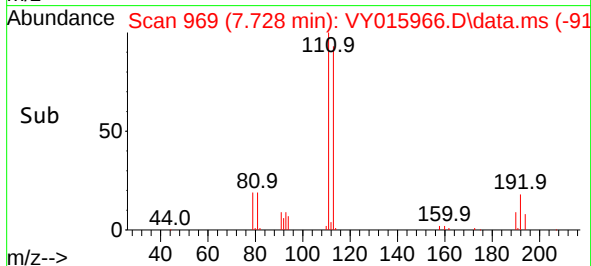
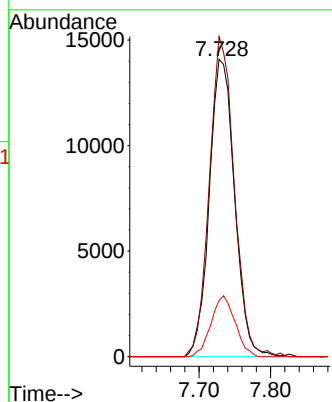
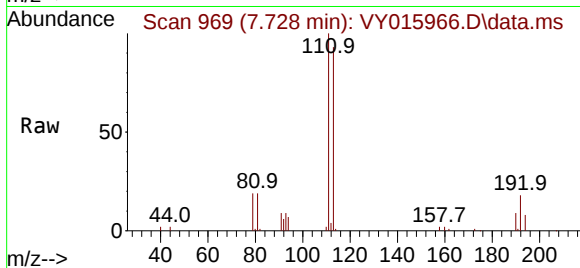
Tgt Ion:113 Resp: 34600

Ion Ratio Lower Upper

113 100

111 106.0 81.3 121.9

192 19.5 16.9 25.3



#50

Toluene-d8

Concen: 50.349 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.006 min

Lab File: VY015966.D

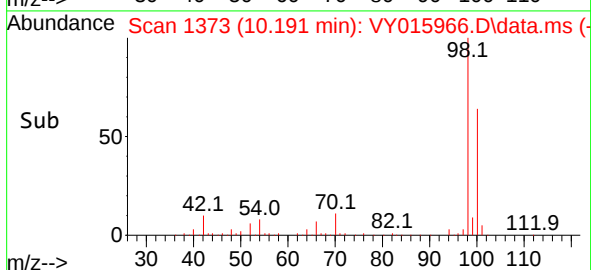
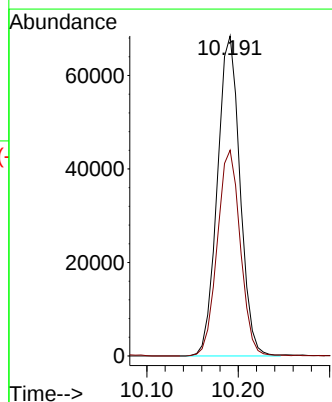
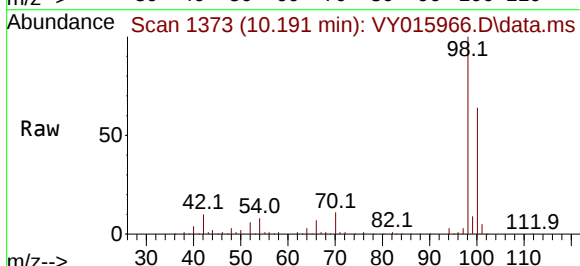
Acq: 13 Oct 2023 18:36

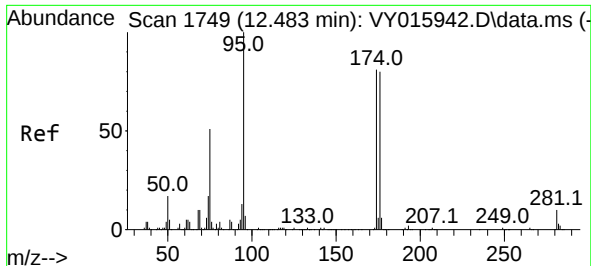
Tgt Ion: 98 Resp: 117718

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 52.741 ug/l

RT: 12.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

283

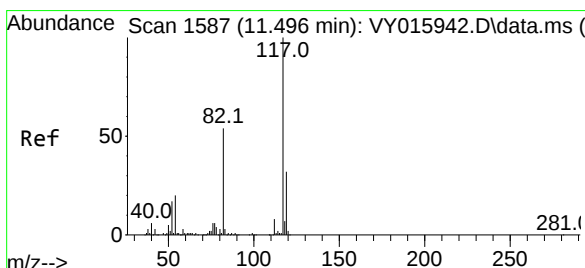
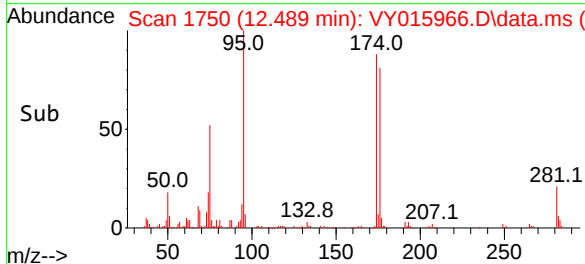
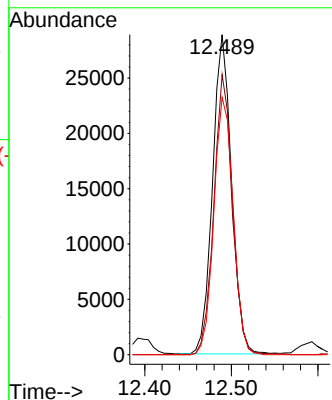
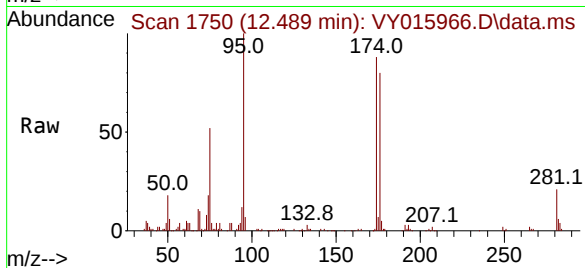
Tgt Ion: 95 Resp: 43909

Ion Ratio Lower Upper

95 100

174 85.7 0.0 178.2

176 82.1 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. 0.006 min

Lab File: VY015966.D

Acq: 13 Oct 2023 18:36

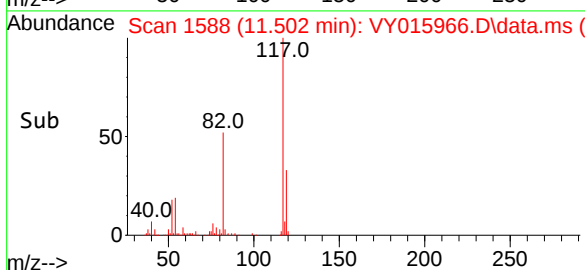
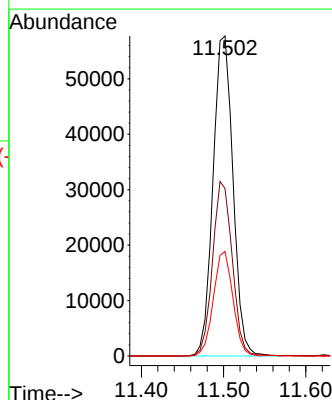
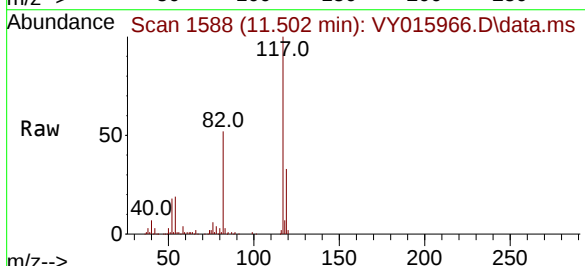
Tgt Ion: 117 Resp: 97391

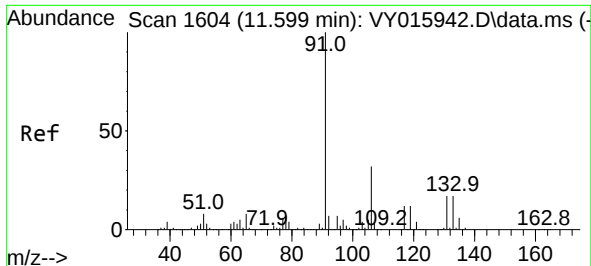
Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.6 26.3 39.5

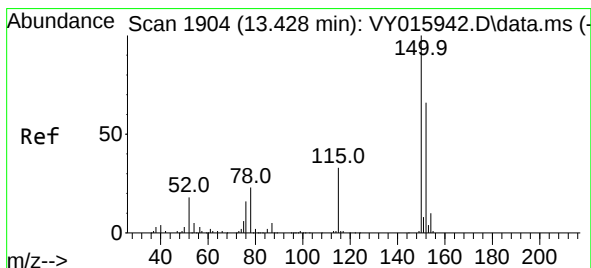
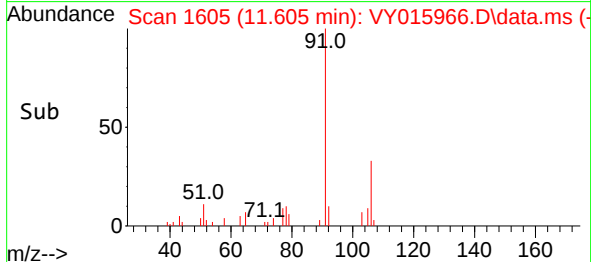
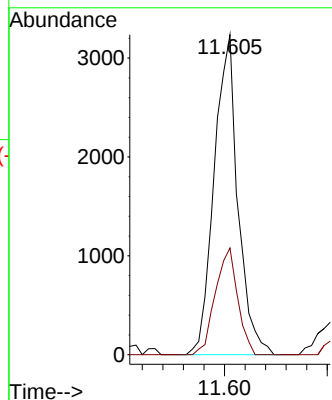
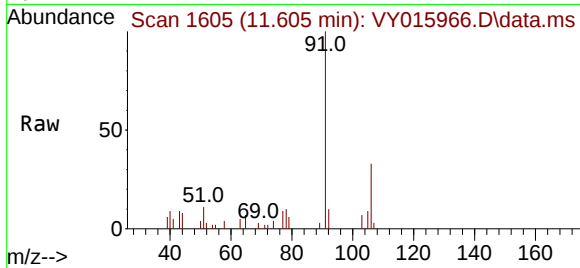




#67
Ethyl Benzene
Concen: 1.455 ug/l
RT: 11.605 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :
283

Tgt Ion: 91 Resp: 5191
Ion Ratio Lower Upper
91 100
106 33.4 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY015966.D
Acq: 13 Oct 2023 18:36

Tgt Ion:152 Resp: 49093
Ion Ratio Lower Upper
152 100
115 56.9 28.8 86.5
150 155.5 0.0 348.8

