

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112423\
 Data File : VY016492.D
 Acq On : 24 Nov 2023 18:12
 Operator : SY/MD
 Sample : 05434-10
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-5

Quant Time: Nov 27 04:49:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

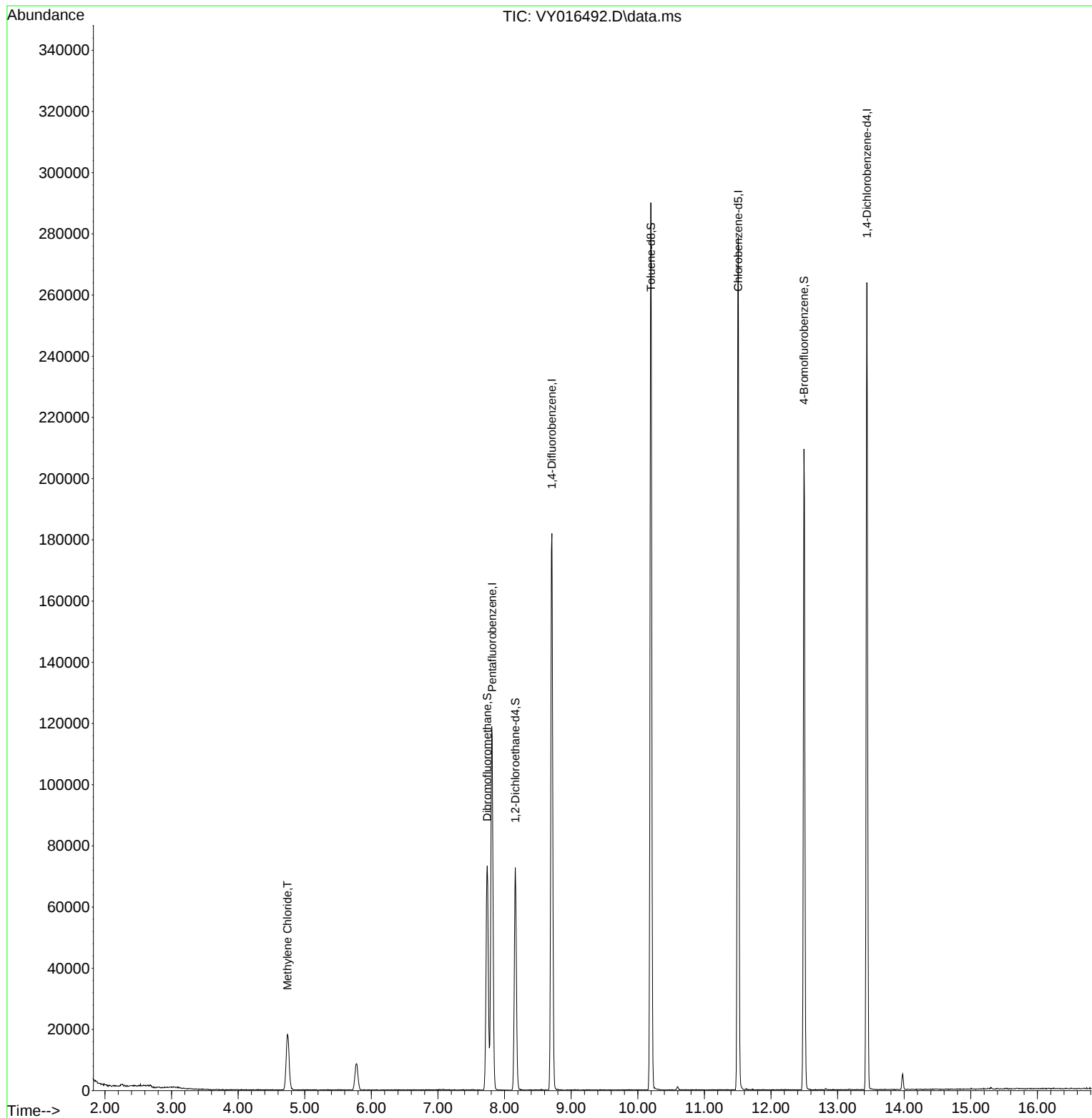
Internal Standards						
1) Pentafluorobenzene	7.813	168	97337	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	169007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	162287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	71584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	57512	64.648	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.300%	
35) Dibromofluoromethane	7.740	113	53953	56.197	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.400%	
50) Toluene-d8	10.197	98	198833	51.071	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.140%	
62) 4-Bromofluorobenzene	12.496	95	65663	51.929	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.860%	
Target Compounds						Qvalue
20) Methylene Chloride	4.741	84	15924	12.723	ug/l	# 84

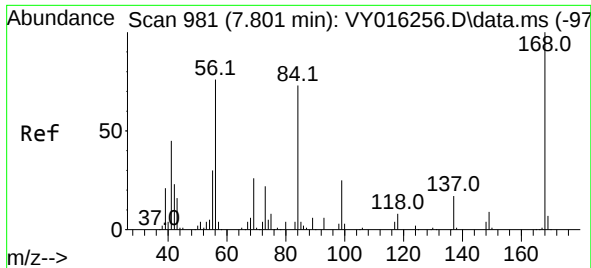
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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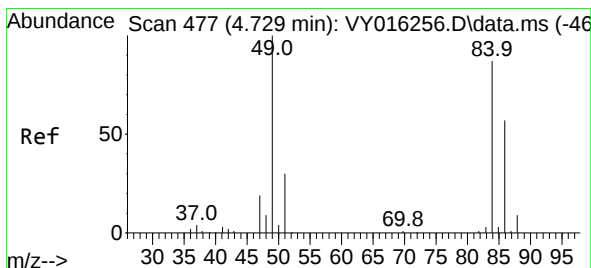
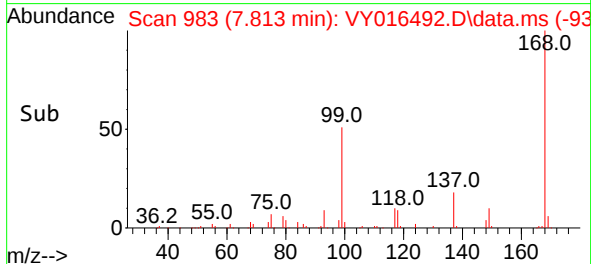
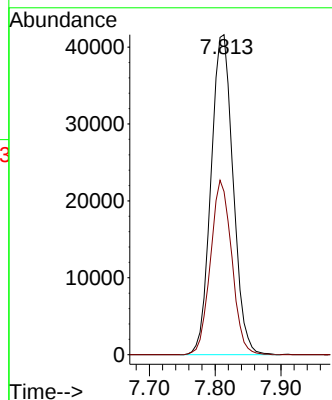
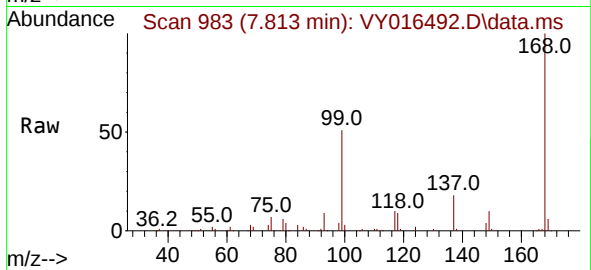




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016492.D
Acq: 24 Nov 2023 18:12

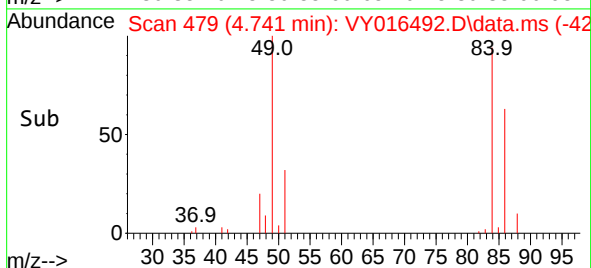
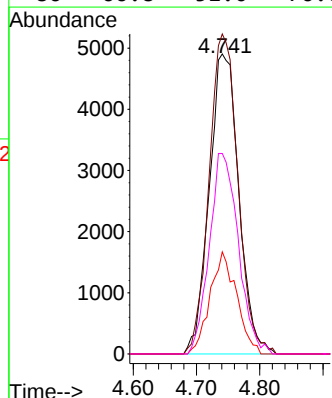
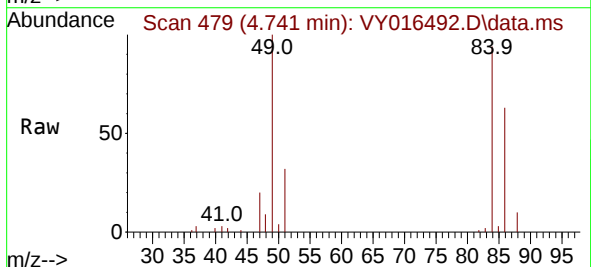
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

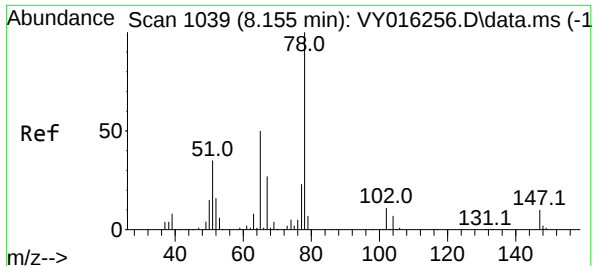
Tgt Ion:168 Resp: 97337
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#20
Methylene Chloride
Concen: 12.723 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY016492.D
Acq: 24 Nov 2023 18:12

Tgt Ion: 84 Resp: 15924
Ion Ratio Lower Upper
84 100
49 106.6 106.9 160.3#
51 34.0 33.2 49.8
86 66.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 64.648 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016492.D

Acq: 24 Nov 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

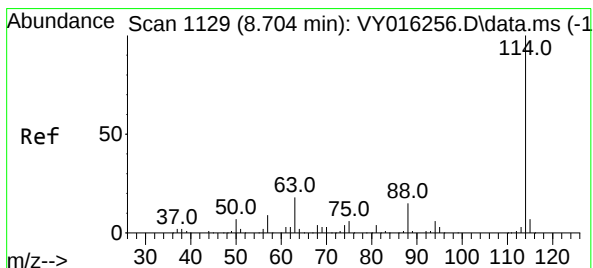
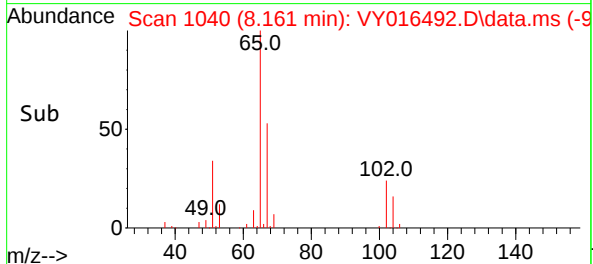
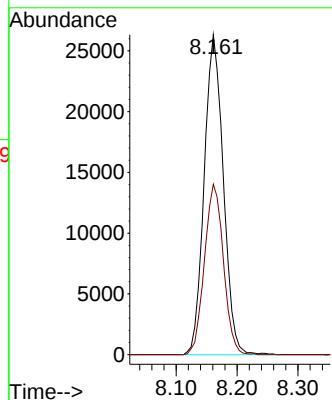
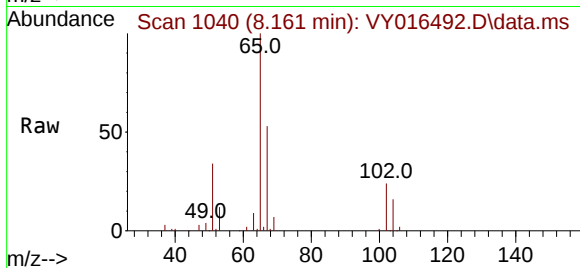
COMP-5

Tgt Ion: 65 Resp: 57512

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016492.D

Acq: 24 Nov 2023 18:12

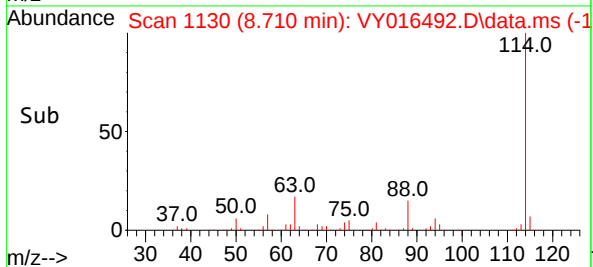
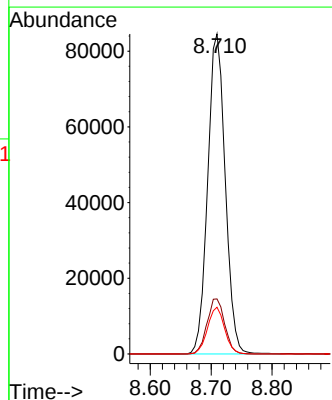
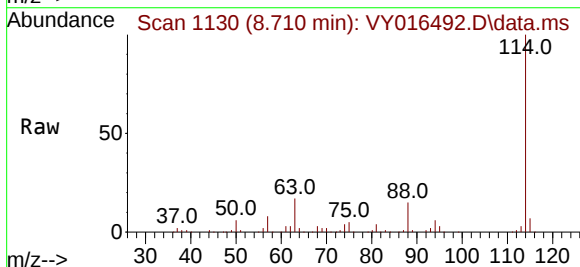
Tgt Ion: 114 Resp: 169007

Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.4

88 14.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.197 ug/l

RT: 7.740 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY016492.D

Acq: 24 Nov 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

COMP-5

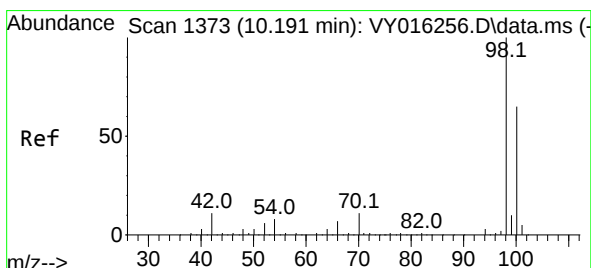
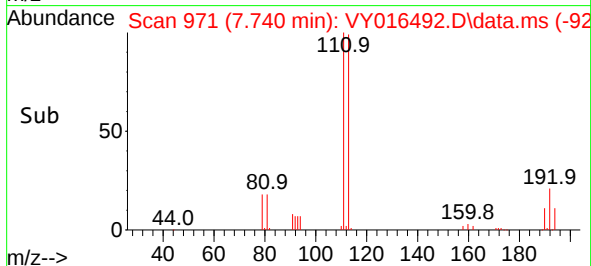
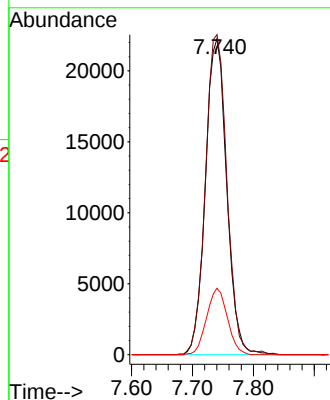
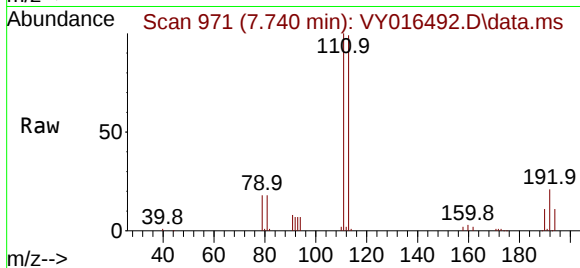
Tgt Ion:113 Resp: 53953

Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 20.5 16.9 25.3



#50

Toluene-d8

Concen: 51.071 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016492.D

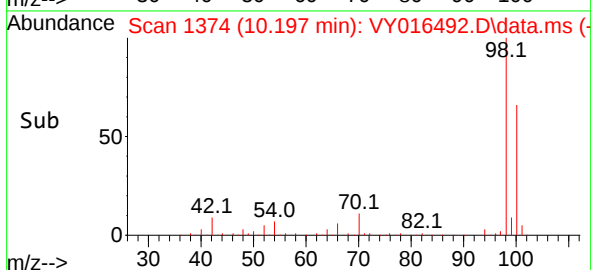
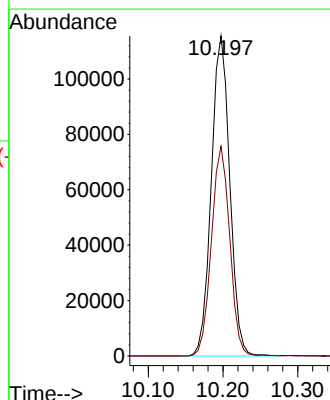
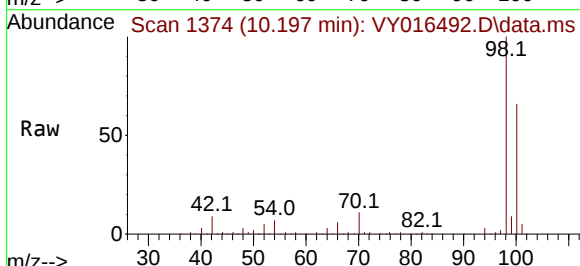
Acq: 24 Nov 2023 18:12

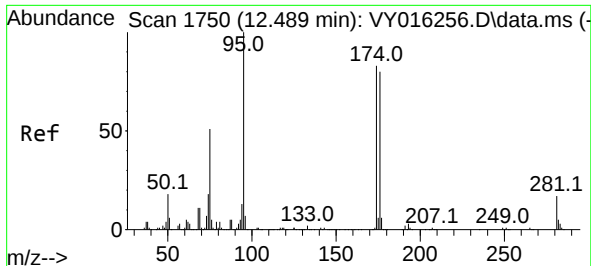
Tgt Ion: 98 Resp: 198833

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1

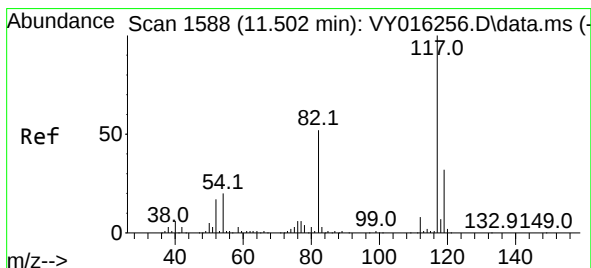
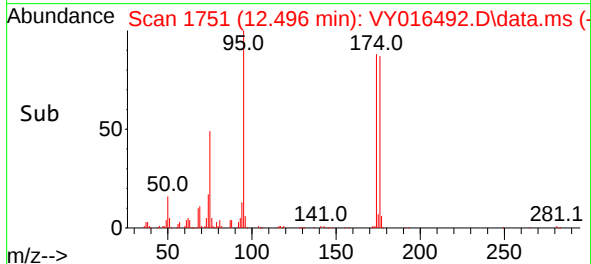
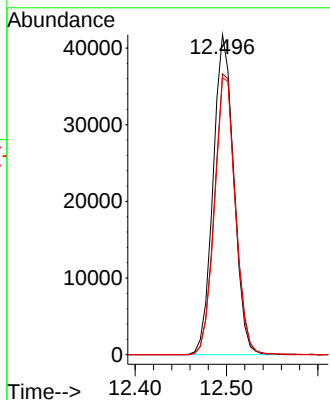
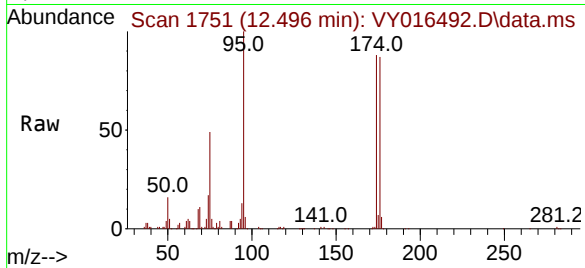




#62
4-Bromofluorobenzene
Concen: 51.929 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016492.D
Acq: 24 Nov 2023 18:12

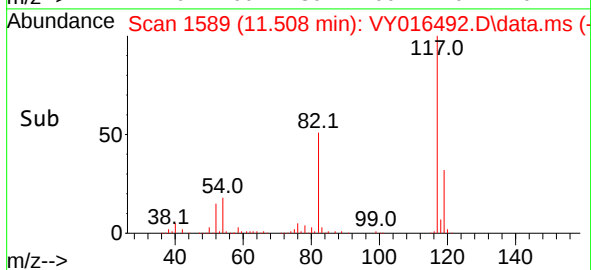
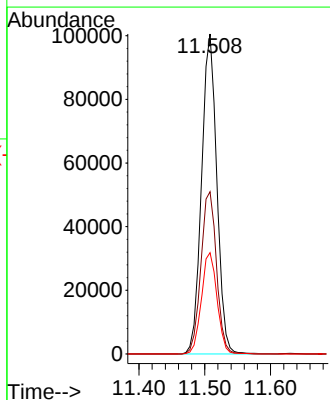
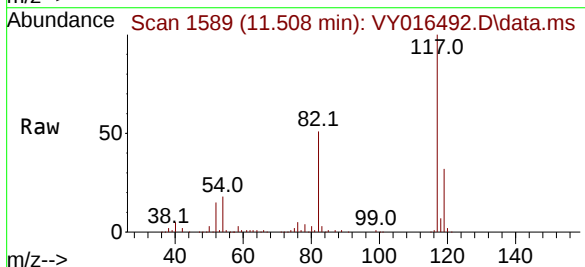
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

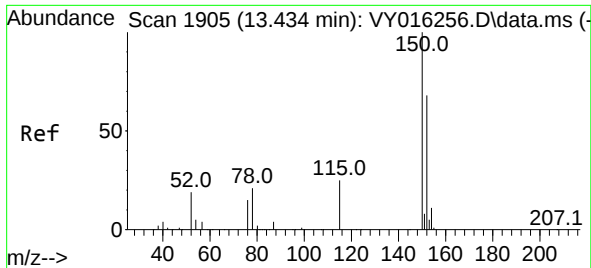
Tgt Ion: 95 Resp: 65663
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.2
176 87.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016492.D
Acq: 24 Nov 2023 18:12

Tgt Ion: 117 Resp: 162287
Ion Ratio Lower Upper
117 100
82 50.7 43.4 65.0
119 31.7 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016492.D

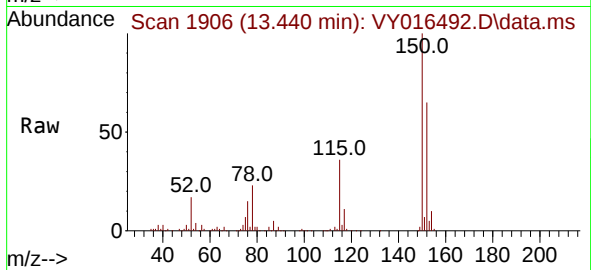
Acq: 24 Nov 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

COMP-5



Tgt Ion:152 Resp: 71584

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 157.9 0.0 348.8

