

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016566.D
 Acq On : 01 Dec 2023 17:23
 Operator : SY/MD
 Sample : 05602-03
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPRING-VALLEY-TP-2

Quant Time: Dec 01 23:40:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	105402	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.703	114	179665	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	173255	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	81753	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	58606	70.379	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.760%
35) Dibromofluoromethane	7.734	113	55462	52.597	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.200%
50) Toluene-d8	10.191	98	204555	50.016	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.489	95	72621	56.603	ug/l	-0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.200%

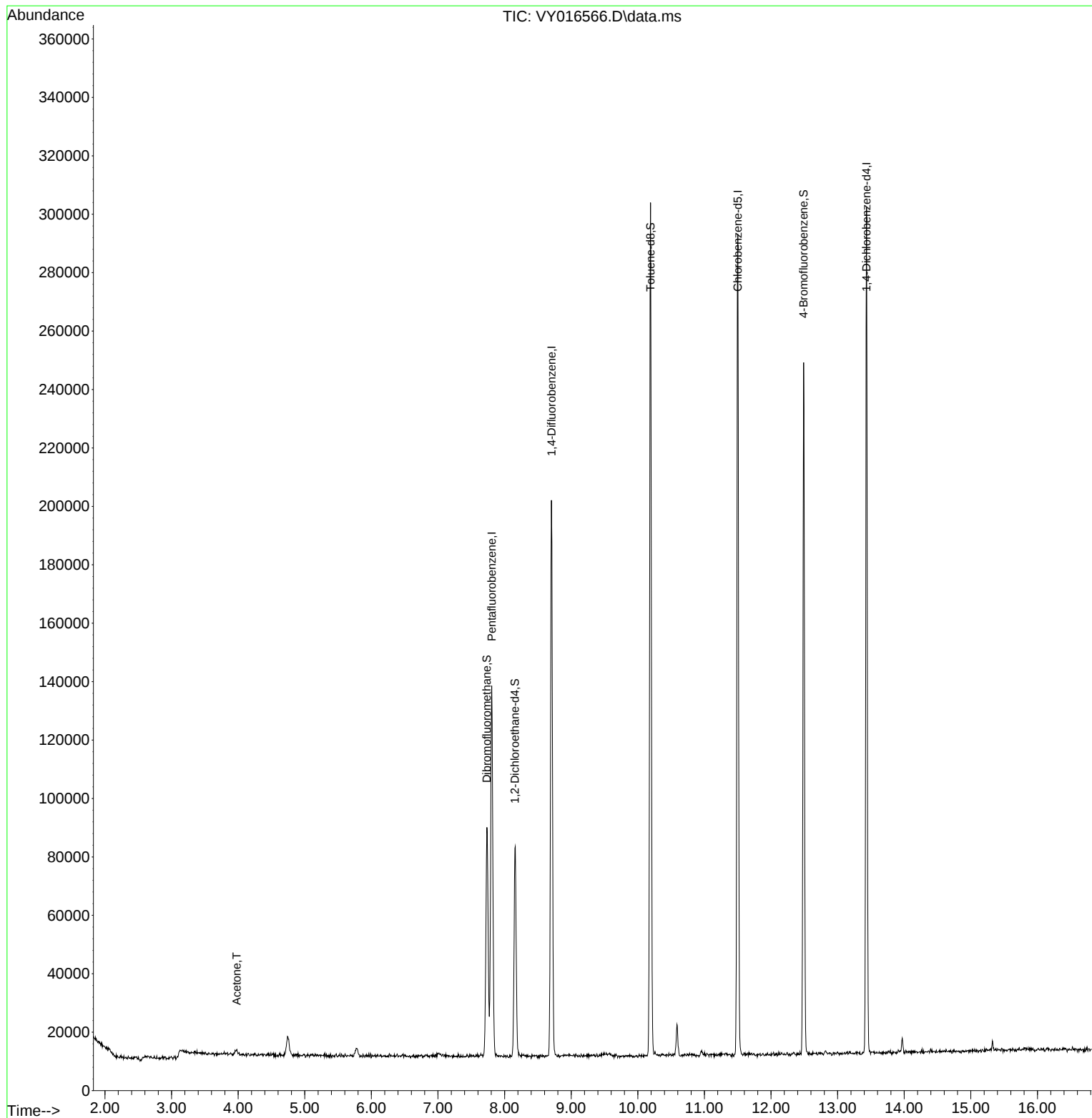
Target Compounds						Qvalue
16) Acetone	3.979	43	2341	18.474	ug/l	# 89

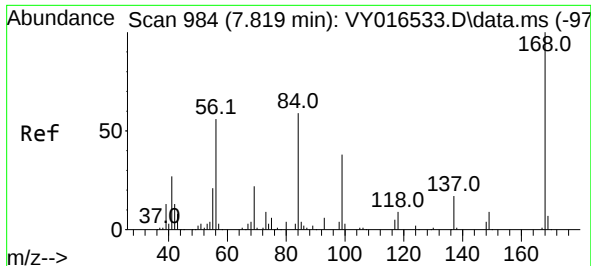
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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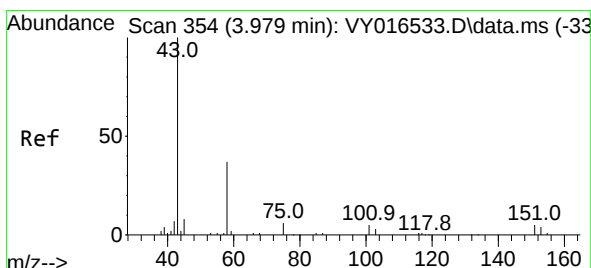
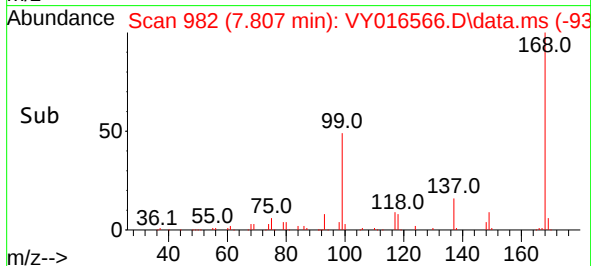
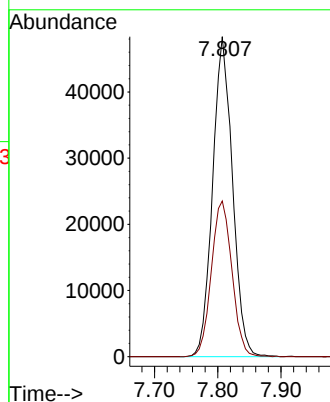
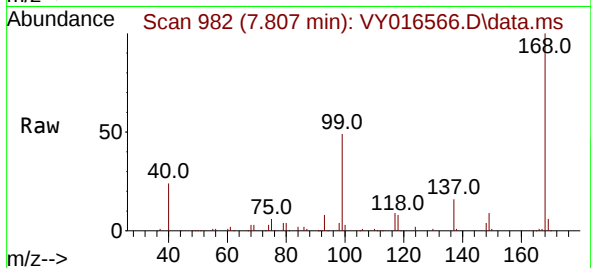




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016566.D
Acq: 01 Dec 2023 17:23

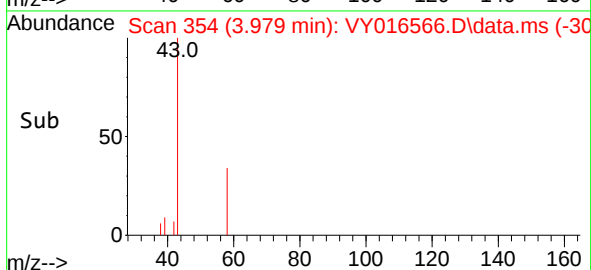
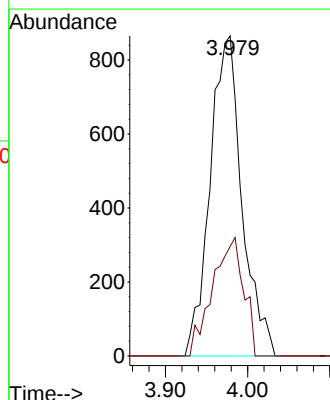
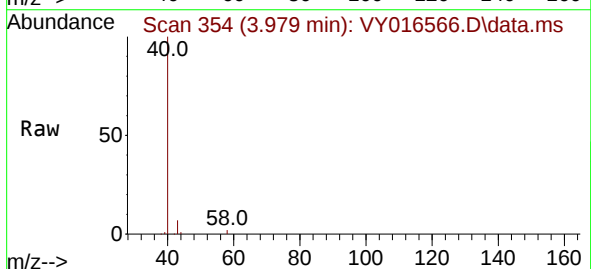
Instrument :
MSVOA_Y
ClientSampleId :
SPRING-VALLEY-TP-2

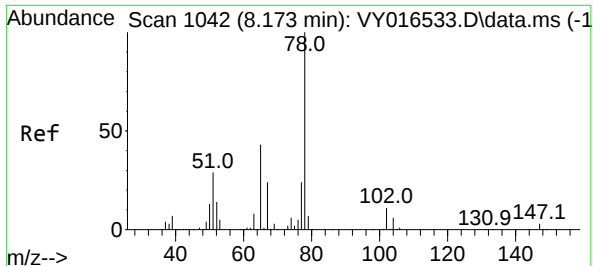
Tgt Ion:168 Resp: 105402
Ion Ratio Lower Upper
168 100
99 48.7 43.4 65.0



#16
Acetone
Concen: 18.474 ug/l
RT: 3.979 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY016566.D
Acq: 01 Dec 2023 17:23

Tgt Ion: 43 Resp: 2341
Ion Ratio Lower Upper
43 100
58 34.2 22.7 34.1#





#33

1,2-Dichloroethane-d4

Concen: 70.379 ug/l

RT: 8.155 min Scan# 1109

Delta R.T. -0.018 min

Lab File: VY016566.D

Acq: 01 Dec 2023 17:23

Instrument :

MSVOA_Y

ClientSampleId :

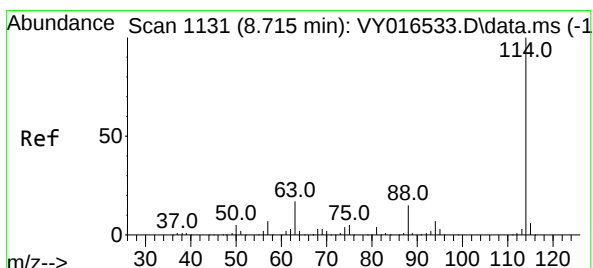
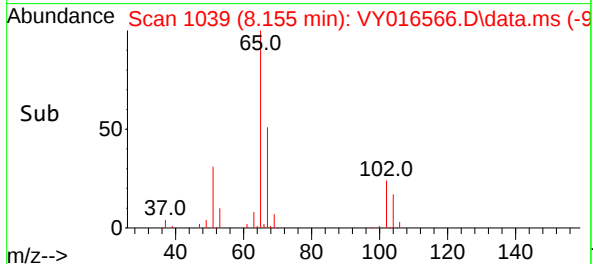
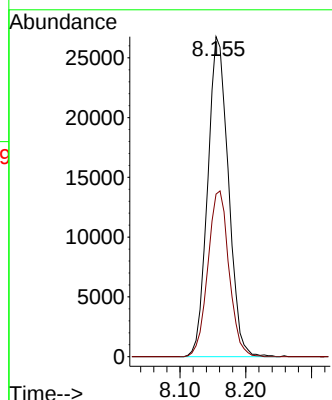
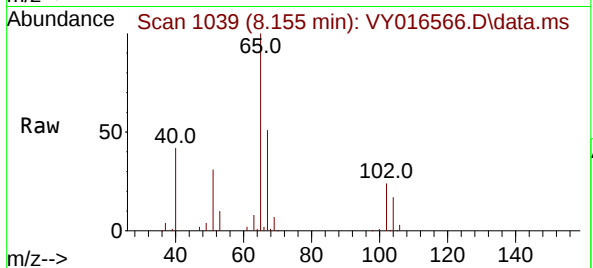
SPRING-VALLEY-TP-2

Tgt Ion: 65 Resp: 58606

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.012 min

Lab File: VY016566.D

Acq: 01 Dec 2023 17:23

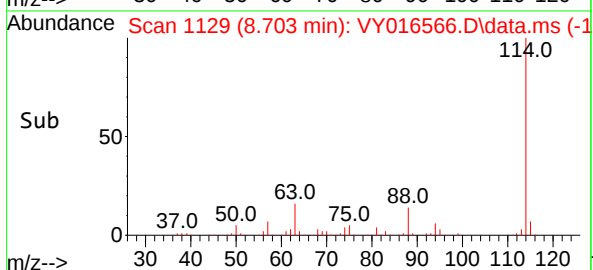
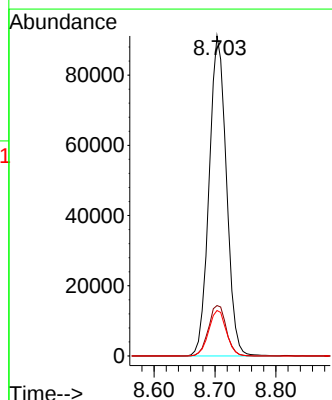
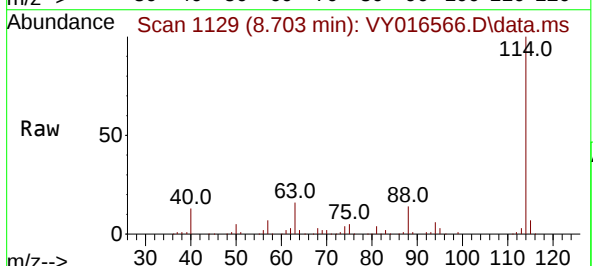
Tgt Ion: 114 Resp: 179665

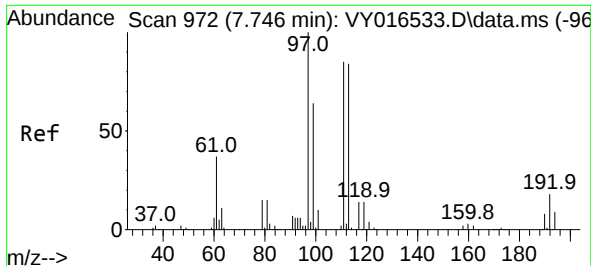
Ion Ratio Lower Upper

114 100

63 15.8 0.0 42.4

88 14.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.597 ug/l

RT: 7.734 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY016566.D

Acq: 01 Dec 2023 17:23

Instrument :

MSVOA_Y

ClientSampleId :

SPRING-VALLEY-TP-2

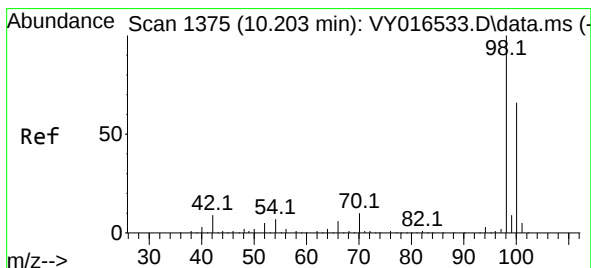
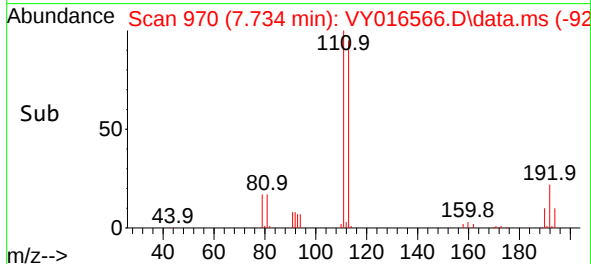
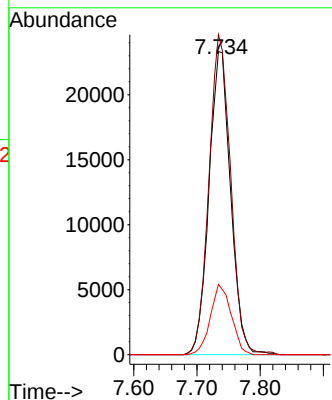
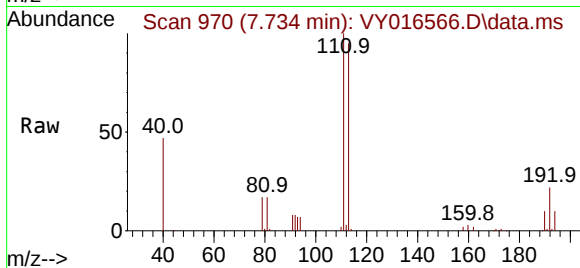
Tgt Ion:113 Resp: 55462

Ion Ratio Lower Upper

113 100

111 105.6 81.3 121.9

192 22.3 16.9 25.3



#50

Toluene-d8

Concen: 50.016 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.012 min

Lab File: VY016566.D

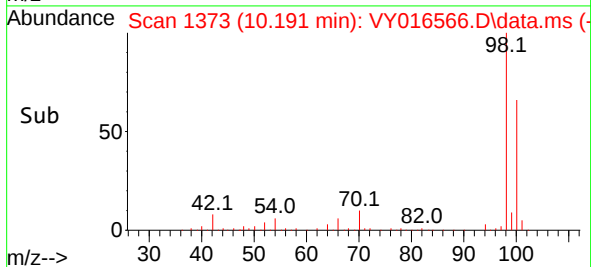
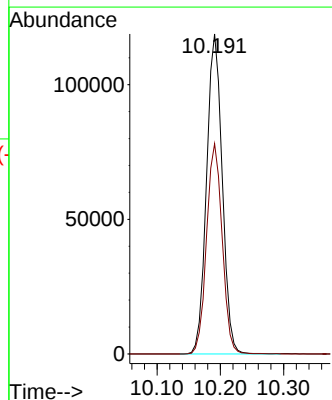
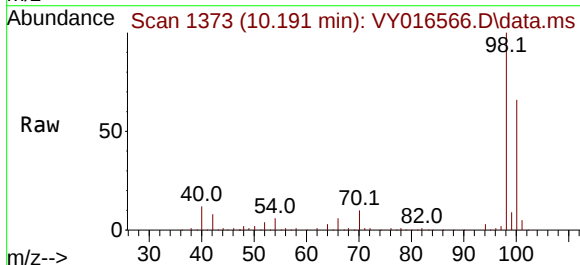
Acq: 01 Dec 2023 17:23

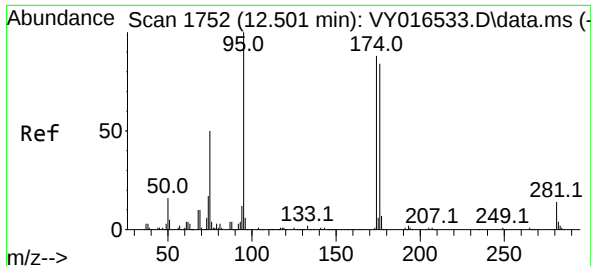
Tgt Ion: 98 Resp: 204555

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

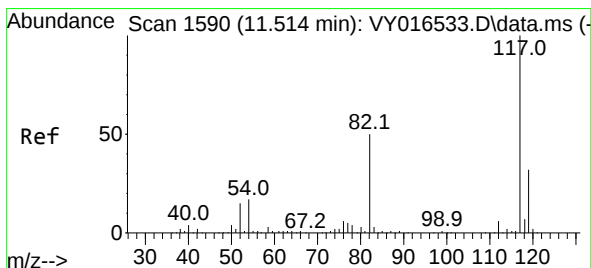
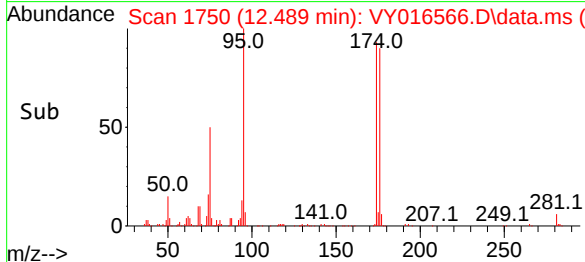
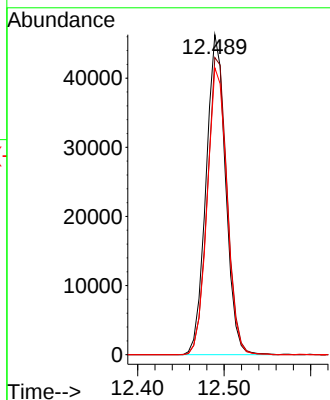
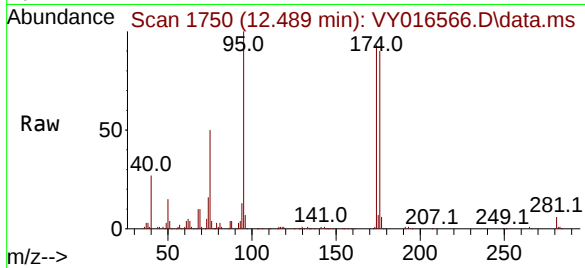




#62
4-Bromofluorobenzene
Concen: 56.603 ug/l
RT: 12.489 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY016566.D
Acq: 01 Dec 2023 17:23

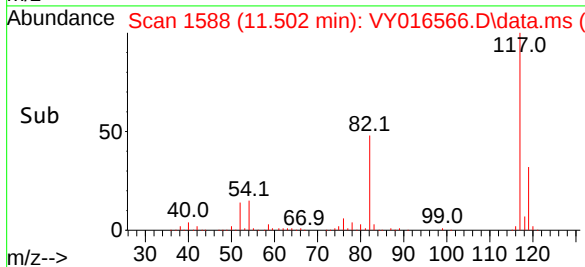
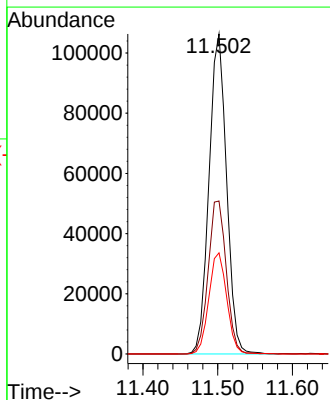
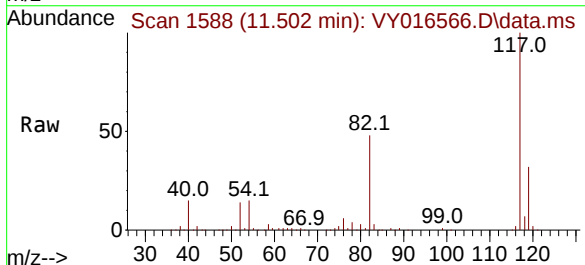
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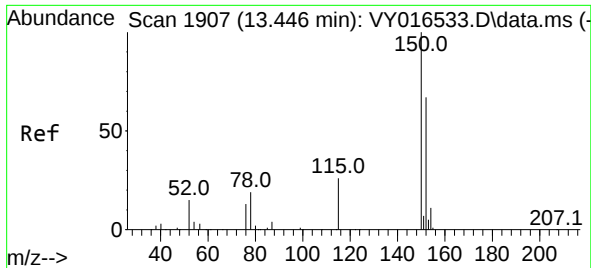
Tgt Ion: 95 Resp: 72621
Ion Ratio Lower Upper
95 100
174 94.4 0.0 178.2
176 90.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.012 min
Lab File: VY016566.D
Acq: 01 Dec 2023 17:23

Tgt Ion: 117 Resp: 173255
Ion Ratio Lower Upper
117 100
82 47.8 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.012 min

Lab File: VY016566.D

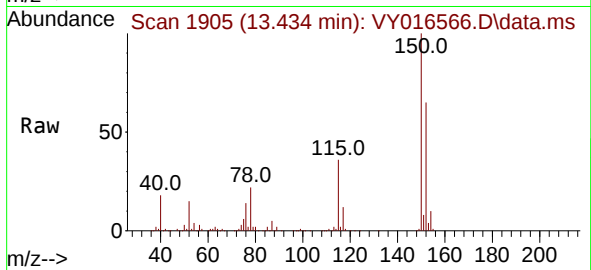
Acq: 01 Dec 2023 17:23

Instrument :

MSVOA_Y

ClientSampleId :

SPRING-VALLEY-TP-2



Tgt Ion:152 Resp: 81753

Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 156.2 0.0 348.8

