

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015954.D
 Acq On : 13 Oct 2023 13:44
 Operator : SY/MD
 Sample : 04858-04
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2

Quant Time: Oct 14 01:49:49 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)

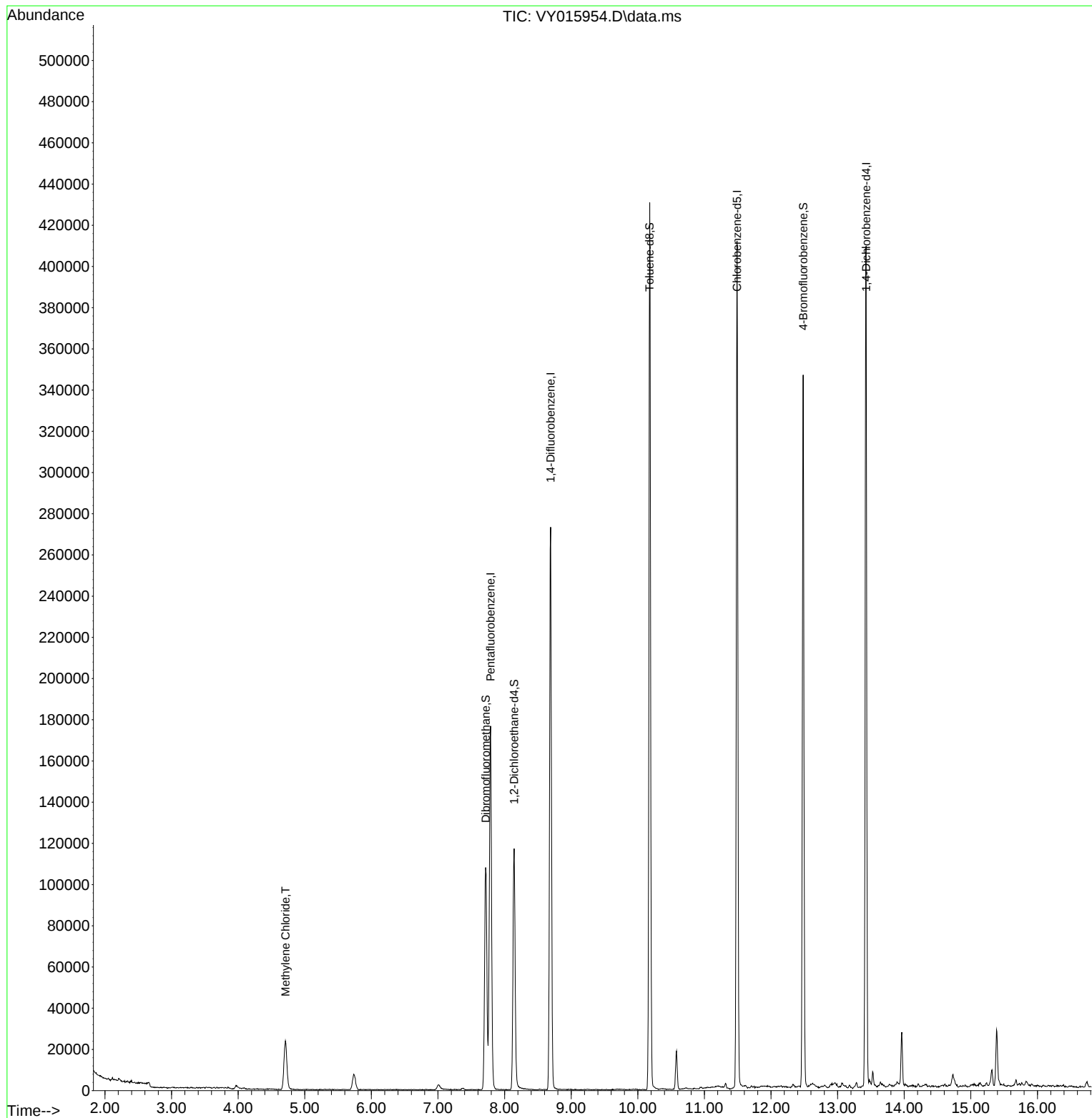
Internal Standards						
1) Pentafluorobenzene	7.789	168	139313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	230263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92002	57.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.720%
35) Dibromofluoromethane	7.716	113	81488	53.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.920%
50) Toluene-d8	10.179	98	285815	50.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.080%
62) 4-Bromofluorobenzene	12.483	95	100497	49.904	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.800%
Target Compounds						
20) Methylene Chloride	4.710	84	18455	6.884	ug/l	# 87

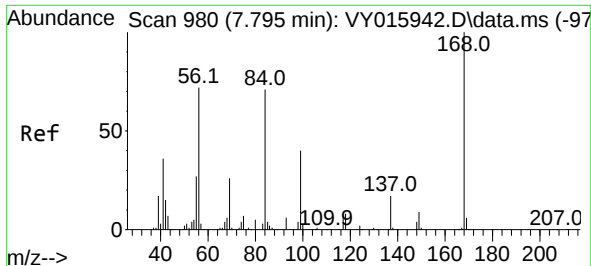
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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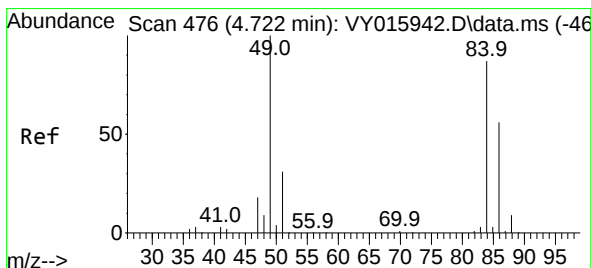
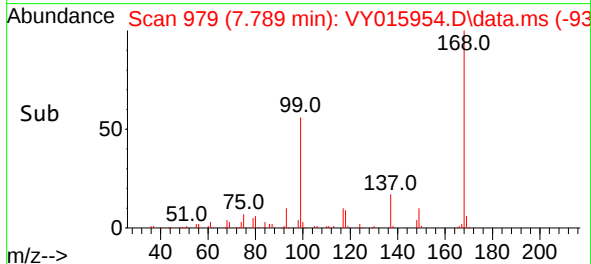
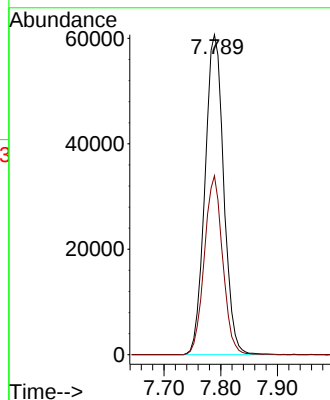
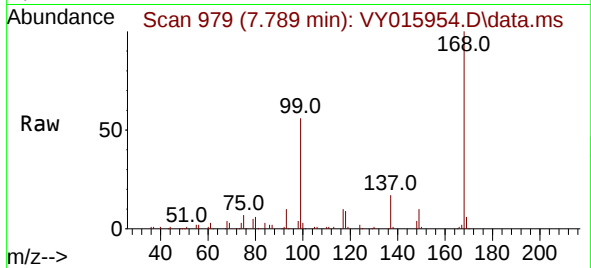




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

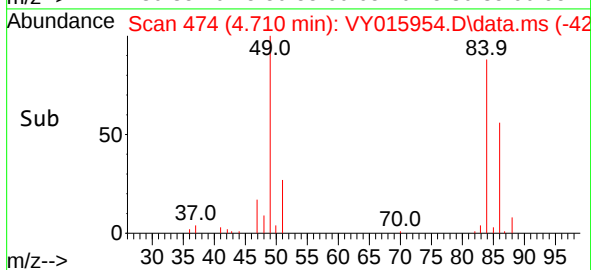
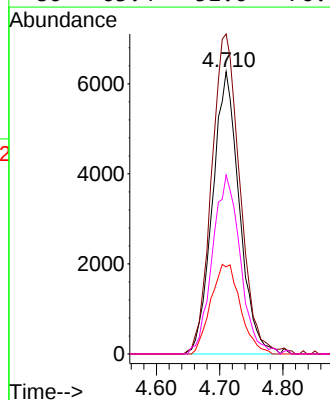
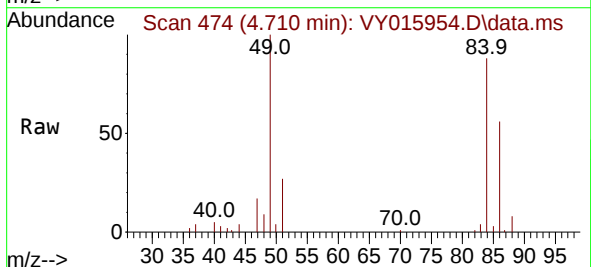
Instrument :
MSVOA_Y
ClientSampleId :
WC-2

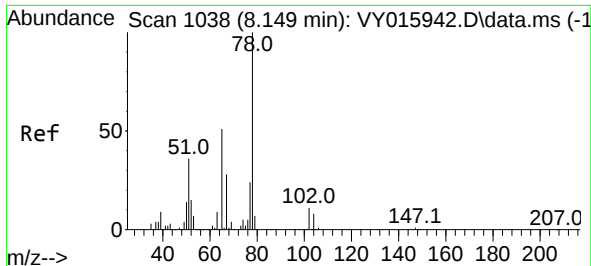
Tgt Ion:168 Resp: 139313
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#20
Methylene Chloride
Concen: 6.884 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Tgt Ion: 84 Resp: 18455
Ion Ratio Lower Upper
84 100
49 113.4 106.9 160.3
51 30.8 33.2 49.8#
86 63.4 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 57.865 ug/l

RT: 8.143 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VY015954.D

Acq: 13 Oct 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

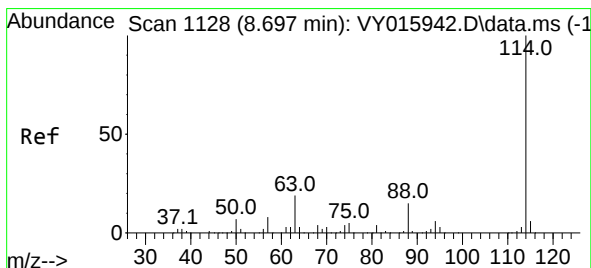
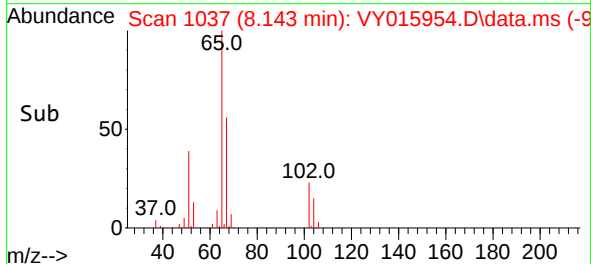
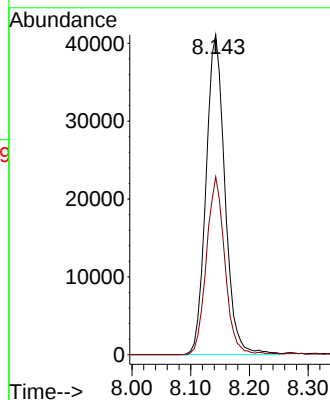
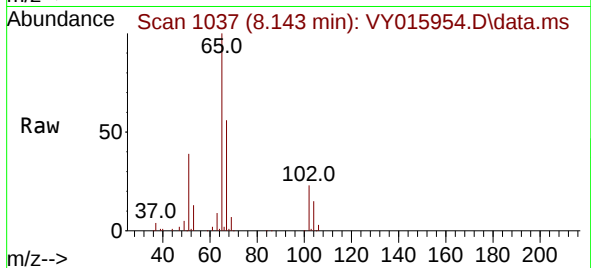
WC-2

Tgt Ion: 65 Resp: 92002

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY015954.D

Acq: 13 Oct 2023 13:44

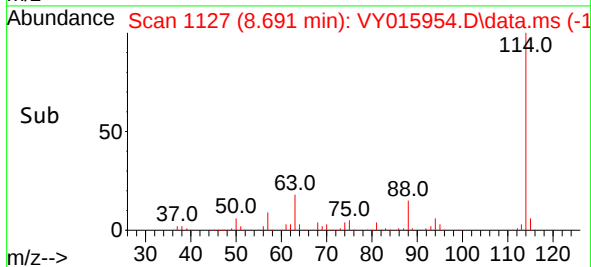
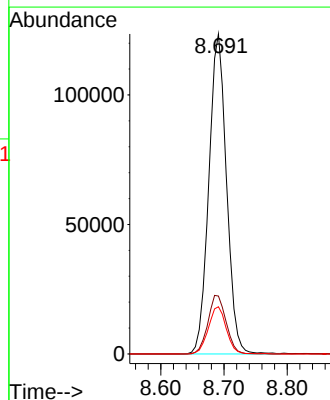
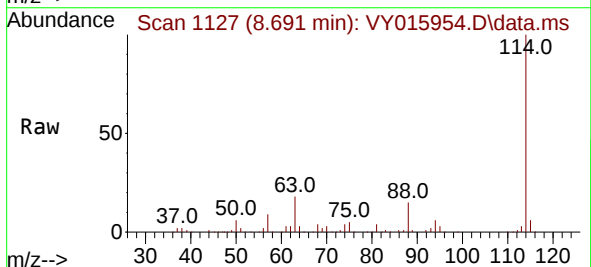
Tgt Ion: 114 Resp: 239877

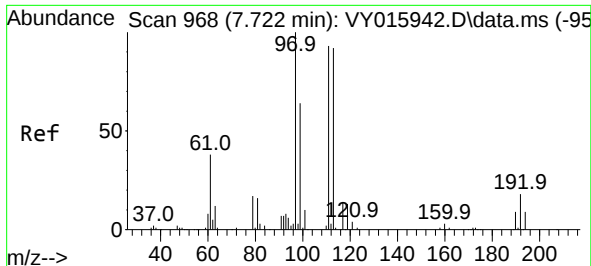
Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.960 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY015954.D

Acq: 13 Oct 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

WC-2

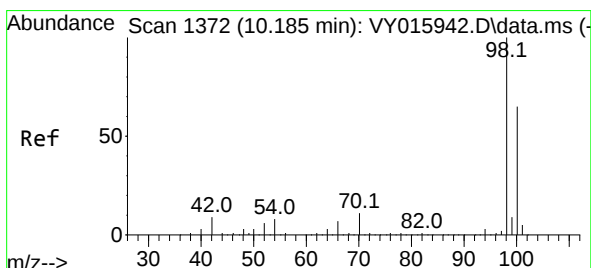
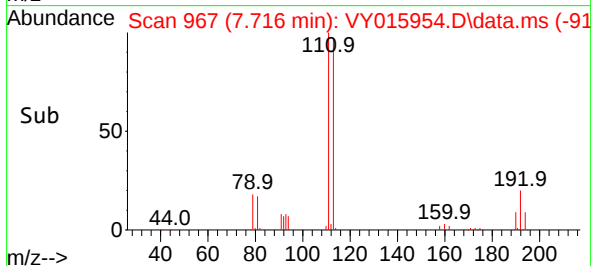
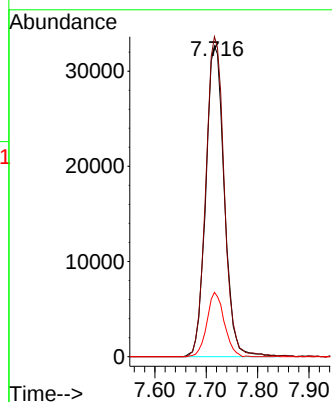
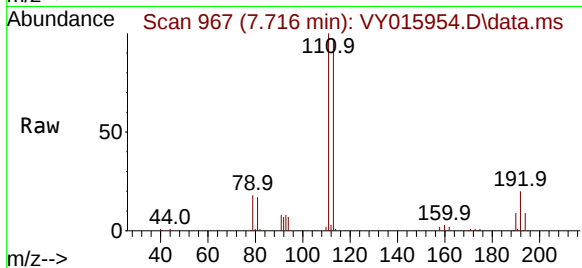
Tgt Ion:113 Resp: 81488

Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 19.5 16.9 25.3



#50

Toluene-d8

Concen: 50.538 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY015954.D

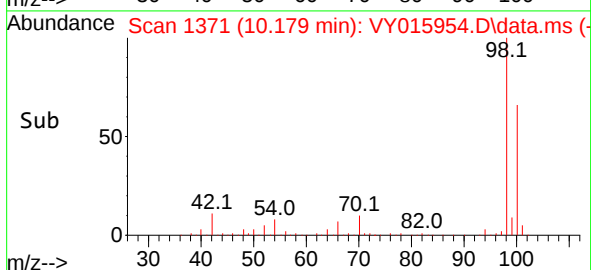
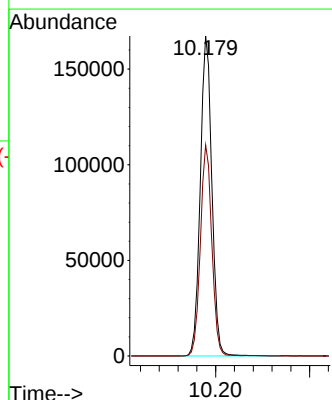
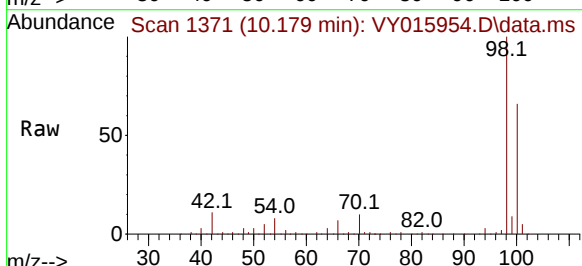
Acq: 13 Oct 2023 13:44

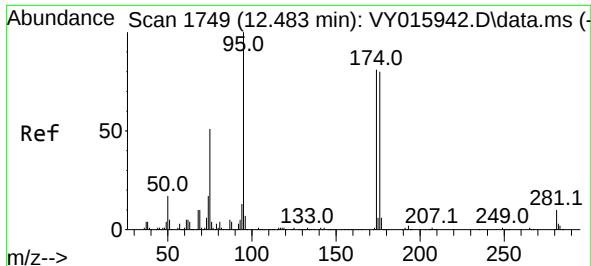
Tgt Ion: 98 Resp: 285815

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1

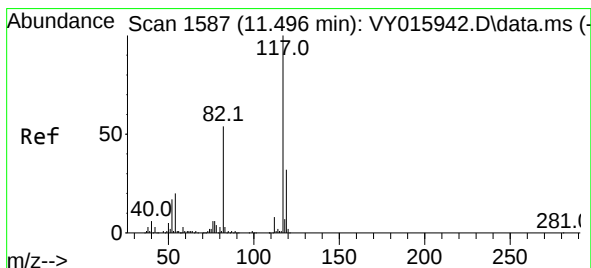
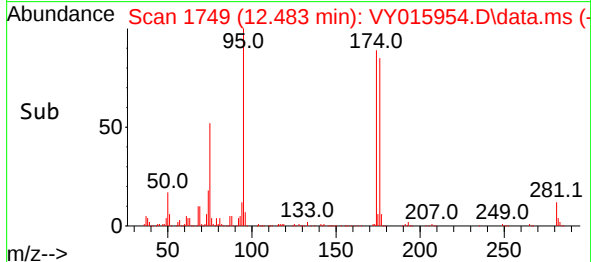
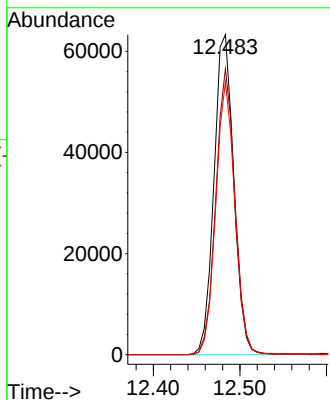
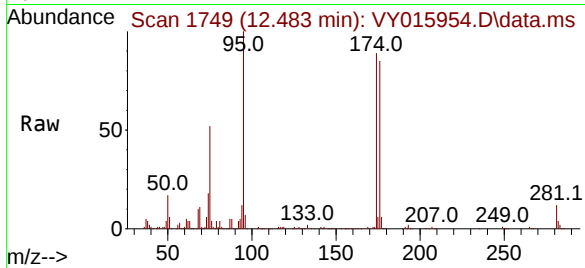




#62
4-Bromofluorobenzene
Concen: 49.904 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

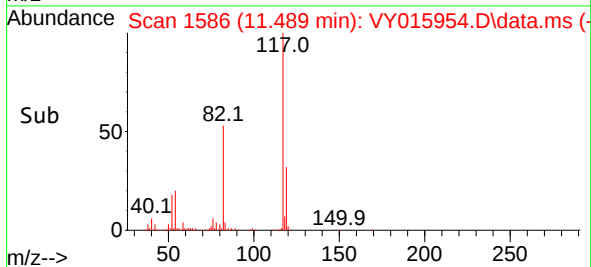
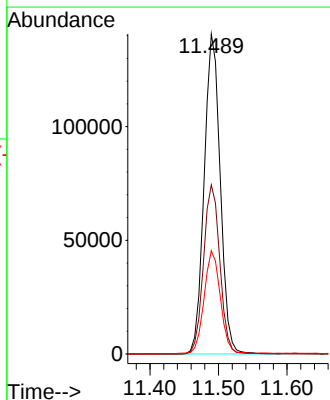
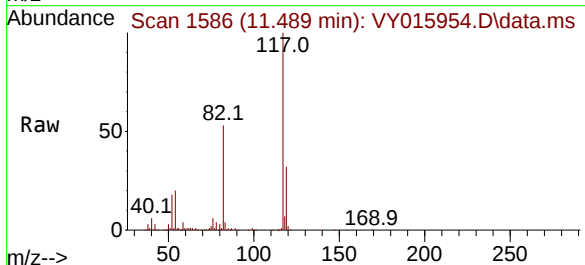
Instrument :
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ClientSampleId :
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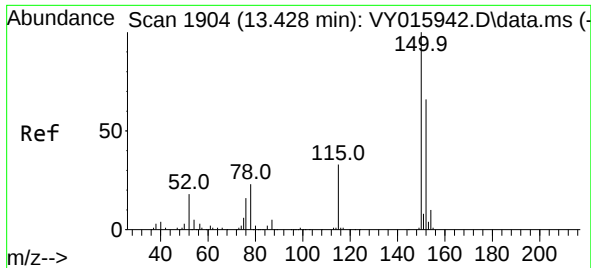
Tgt Ion: 95 Resp: 100497
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 82.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY015954.D
Acq: 13 Oct 2023 13:44

Tgt Ion: 117 Resp: 230263
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015954.D

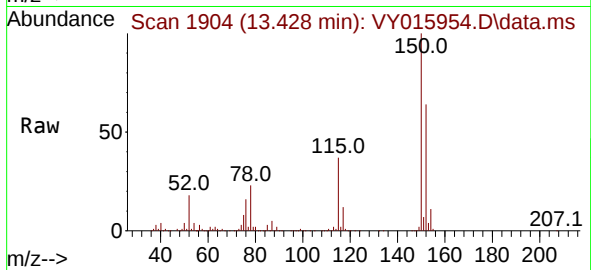
Acq: 13 Oct 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

WC-2



Tgt Ion:152 Resp: 111003

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 156.2 0.0 348.8

