

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014769.D
 Acq On : 24 Jul 2023 13:56
 Operator : SY/MD
 Sample : 03668-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 332

Quant Time: Jul 24 14:15:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

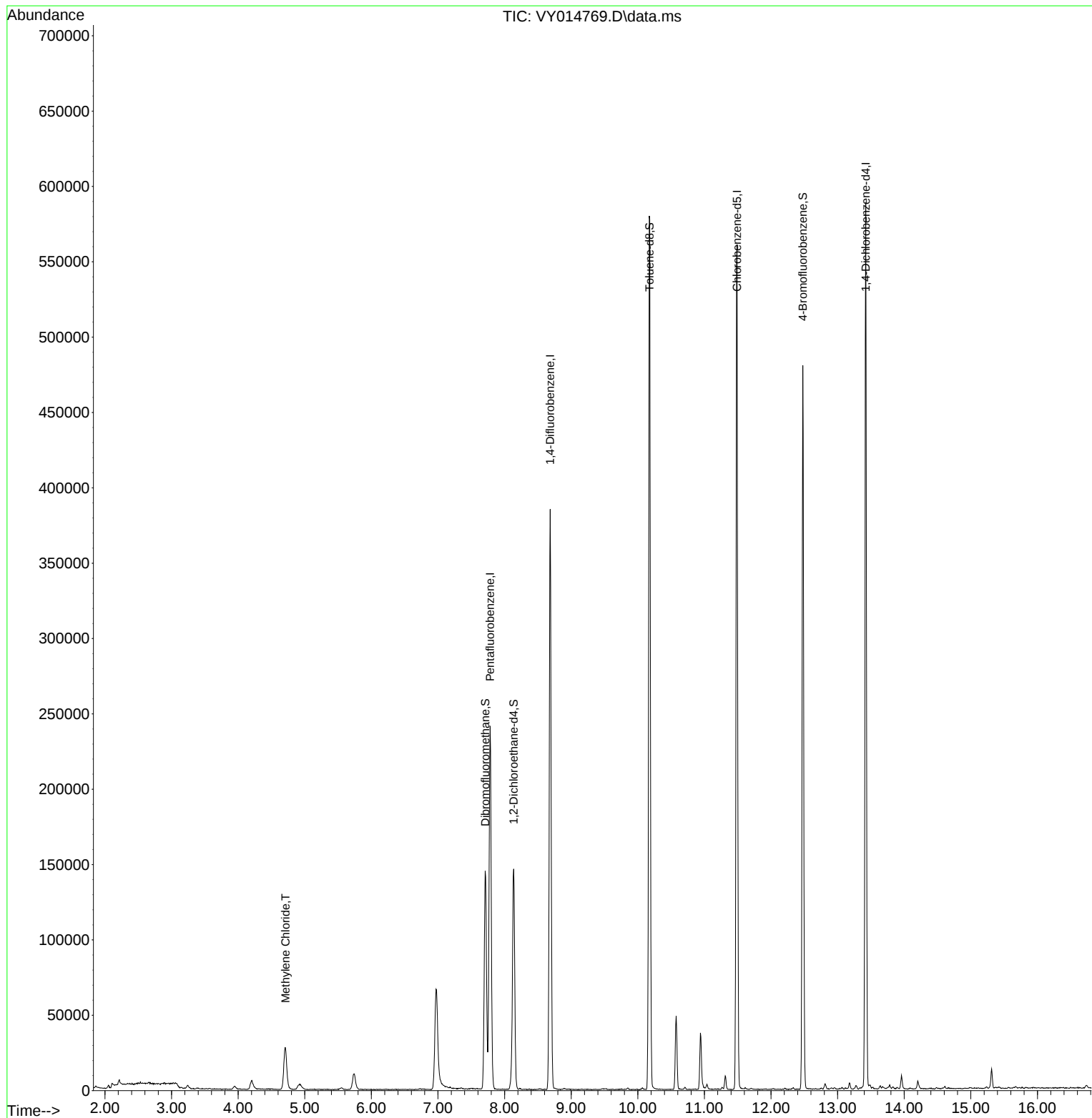
Internal Standards						
1) Pentafluorobenzene	7.783	168	187647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	309289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112480	52.602	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	105.200%	
35) Dibromofluoromethane	7.710	113	103852	49.830	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	99.660%	
50) Toluene-d8	10.179	98	387489	50.429	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	100.860%	
62) 4-Bromofluorobenzene	12.477	95	143341	48.652	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	97.300%	
Target Compounds						
20) Methylene Chloride	4.710	84	22021	6.314	ug/l	Qvalue 93

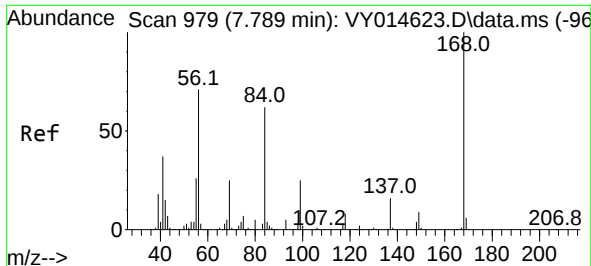
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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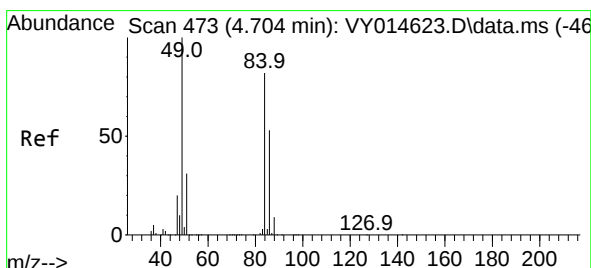
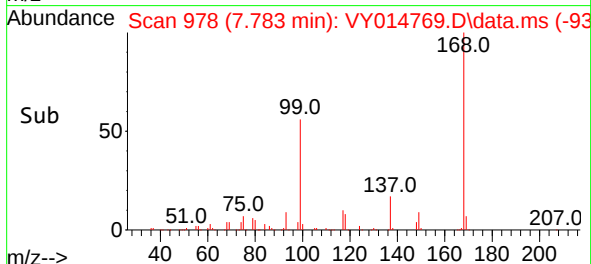
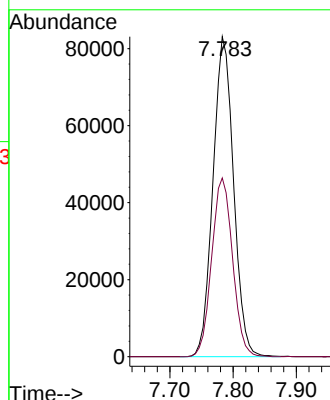
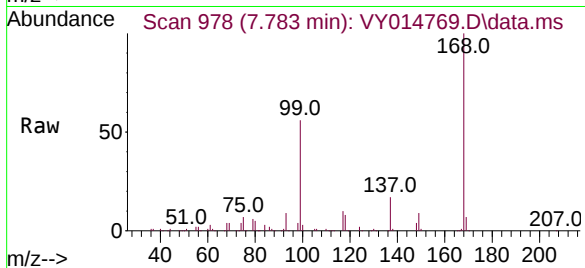




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

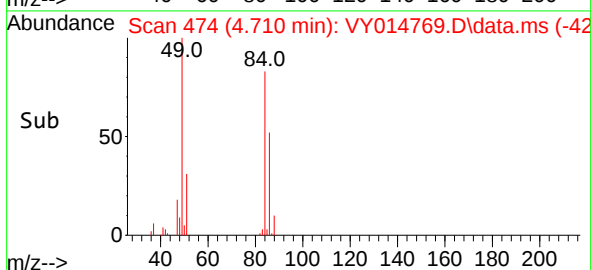
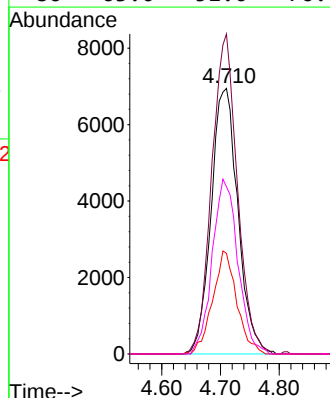
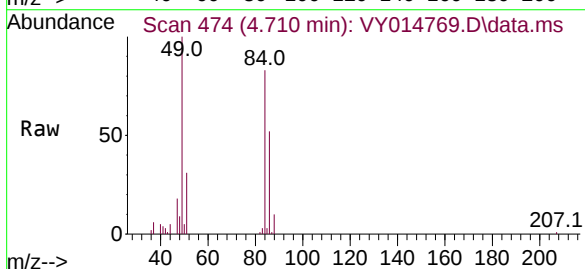
Instrument :
MSVOA_Y
ClientSampleId :
332

Tgt Ion:168 Resp: 187647
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#20
Methylene Chloride
Concen: 6.314 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion: 84 Resp: 22021
Ion Ratio Lower Upper
84 100
49 120.5 106.9 160.3
51 37.9 33.2 49.8
86 63.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 52.602 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014769.D

Acq: 24 Jul 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

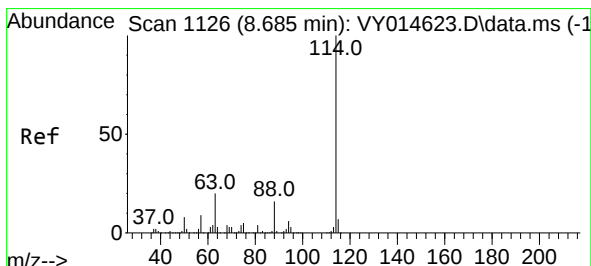
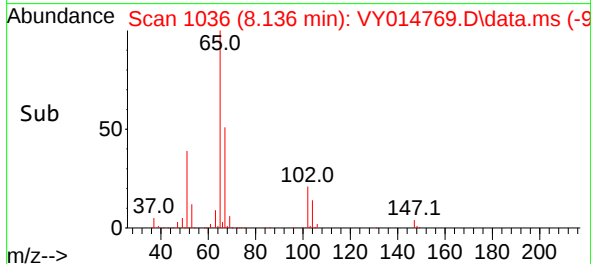
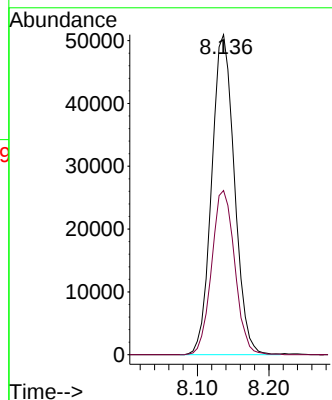
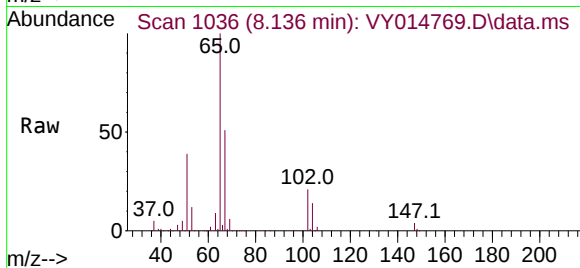
332

Tgt Ion: 65 Resp: 112480

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014769.D

Acq: 24 Jul 2023 13:56

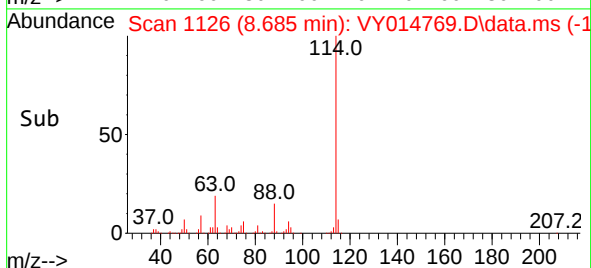
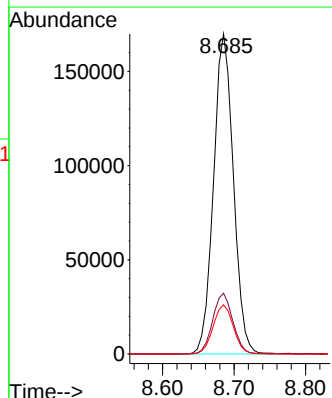
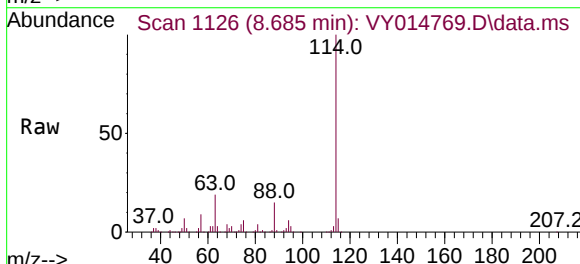
Tgt Ion: 114 Resp: 327399

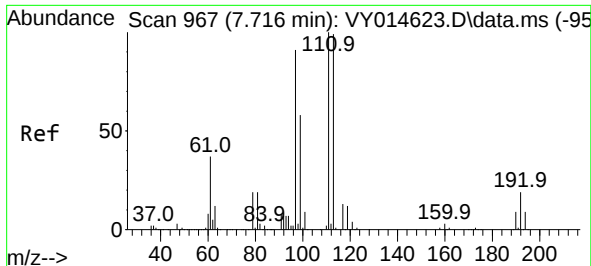
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.4 0.0 30.6

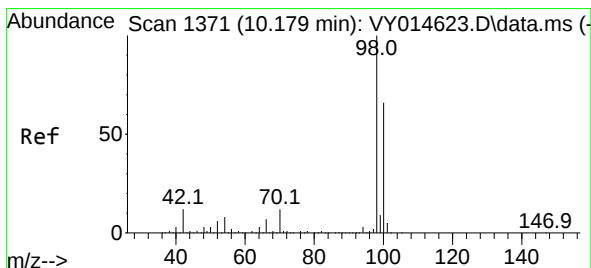
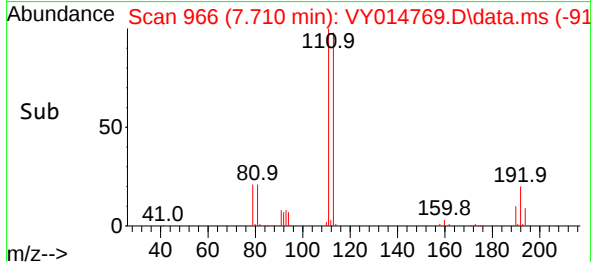
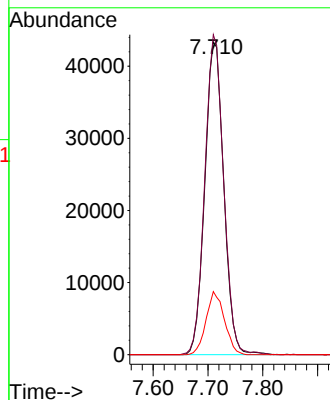
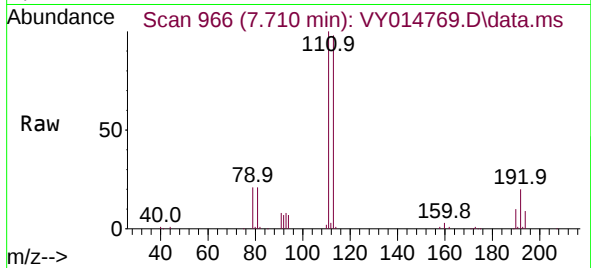




#35
Dibromofluoromethane
Concen: 49.830 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

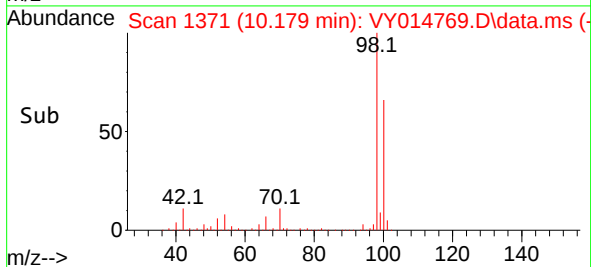
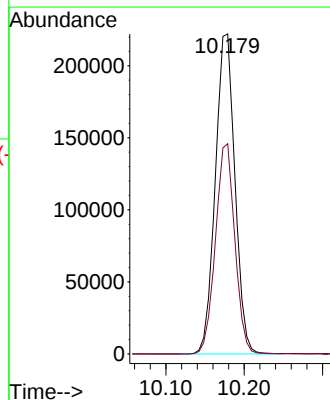
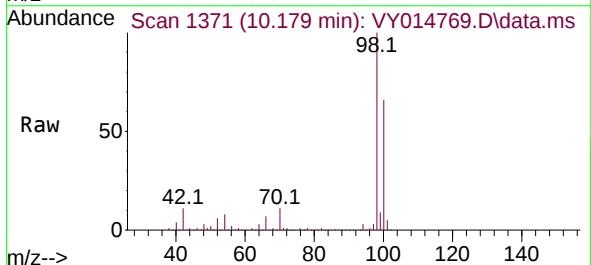
Instrument :
MSVOA_Y
ClientSampleId :
332

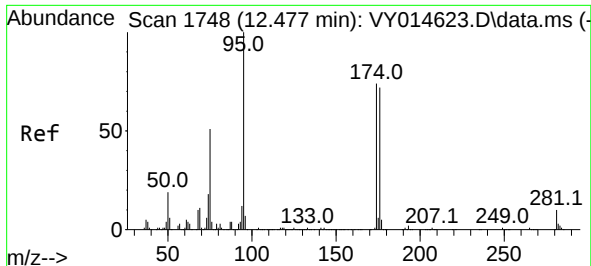
Tgt Ion:113 Resp: 103852
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.6 16.9 25.3



#50
Toluene-d8
Concen: 50.429 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion: 98 Resp: 387489
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

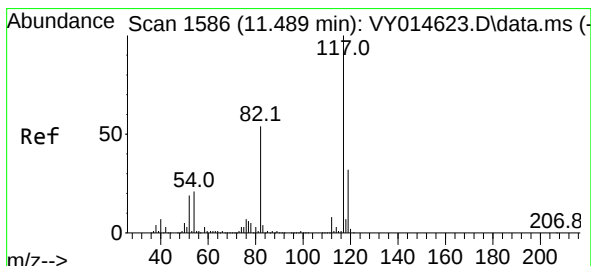
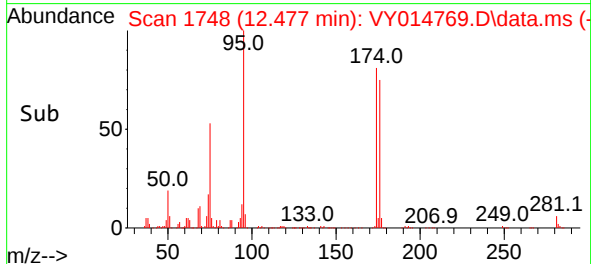
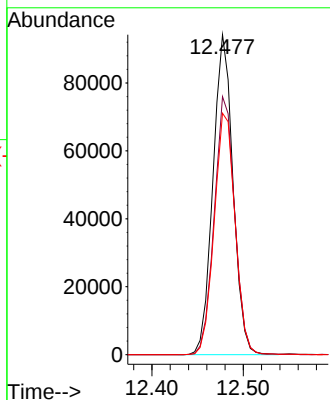
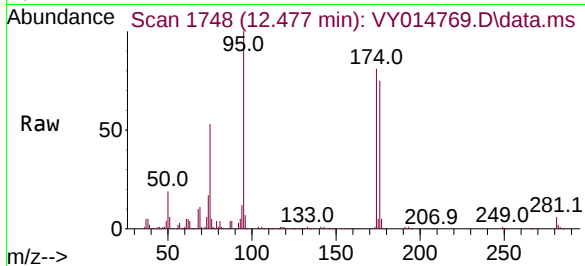




#62
4-Bromofluorobenzene
Concen: 48.652 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

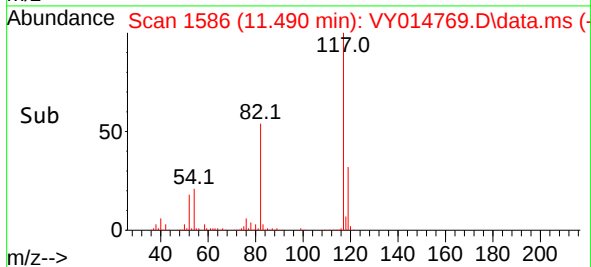
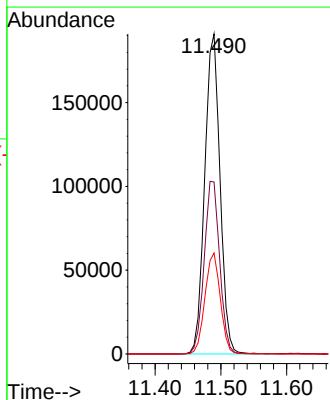
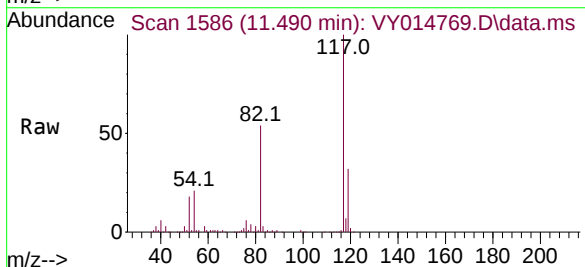
Instrument :
MSVOA_Y
ClientSampleId :
332

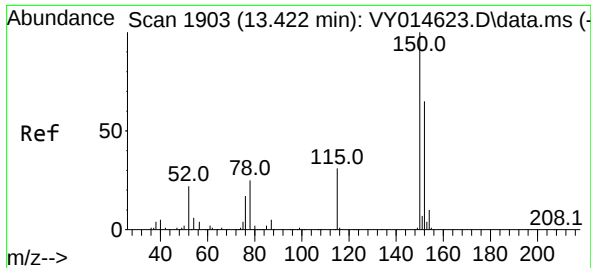
Tgt Ion: 95 Resp: 143341
Ion Ratio Lower Upper
95 100
174 82.4 0.0 178.2
176 78.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

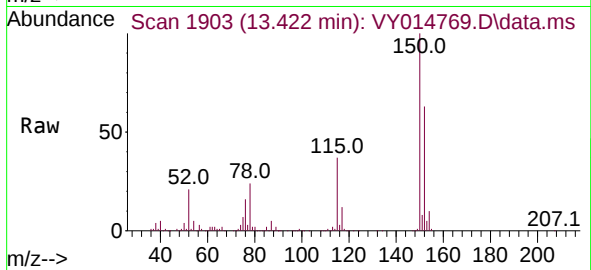
Tgt Ion: 117 Resp: 309289
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.5 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014769.D
 Acq: 24 Jul 2023 13:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 332



Tgt Ion:152 Resp: 144806
 Ion Ratio Lower Upper
 152 100
 115 59.7 28.8 86.5
 150 157.6 0.0 348.8

