

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013279.D
 Acq On : 12 Apr 2023 20:06
 Operator : KP/MD
 Sample : 02283-09
 Misc : 2.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230235-11-1

Quant Time: Apr 13 06:20:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

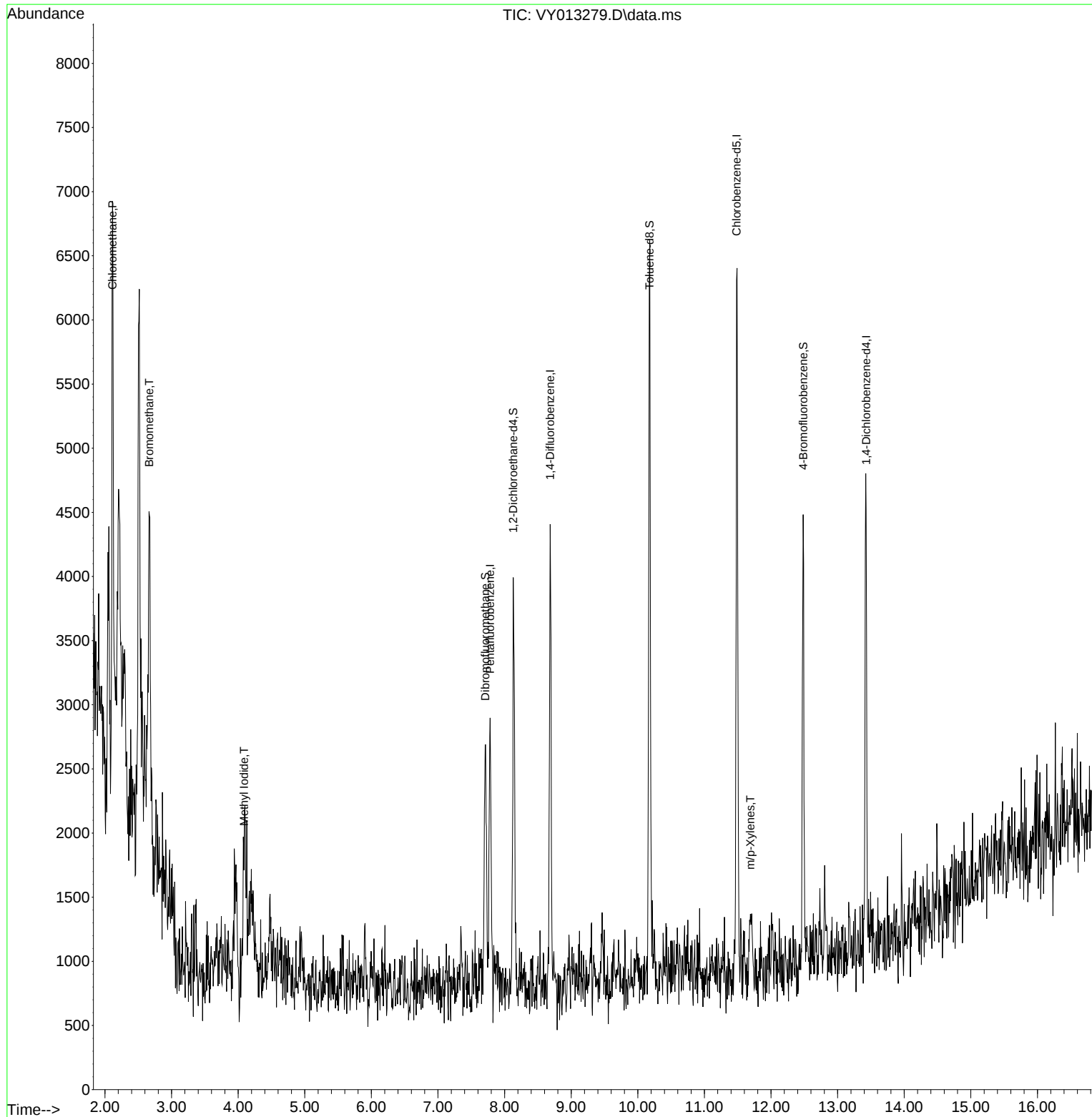
Internal Standards						
1) Pentafluorobenzene	7.783	168	1848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	3262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	3358	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	2441	109.912	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	219.820%#
35) Dibromofluoromethane	7.710	113	1377	65.205	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	130.420%
50) Toluene-d8	10.179	98	3709	47.185	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.380%
62) 4-Bromofluorobenzene	12.483	95	1147	44.910	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	4102	196.859	ug/l #	84
5) Bromomethane	2.662	94	1746	115.250	ug/l	83
10) Methyl Iodide	4.088	142	2481	111.939	ug/l #	88
68) m/p-Xylenes	11.691	106	136	2.905	ug/l	93

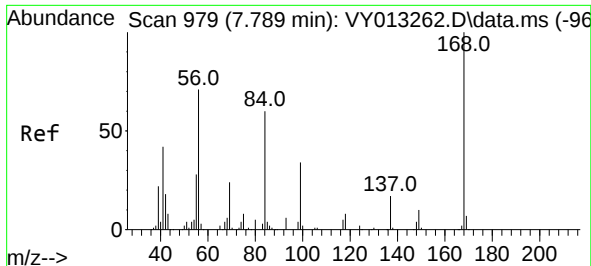
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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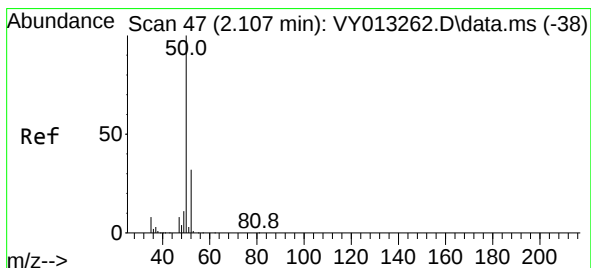
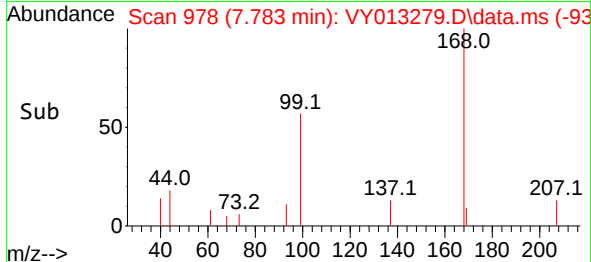
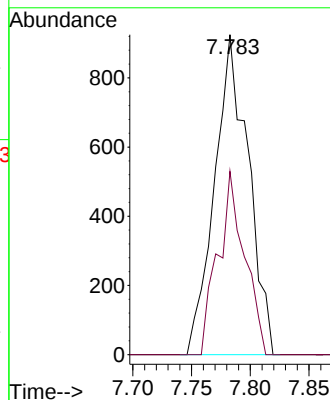
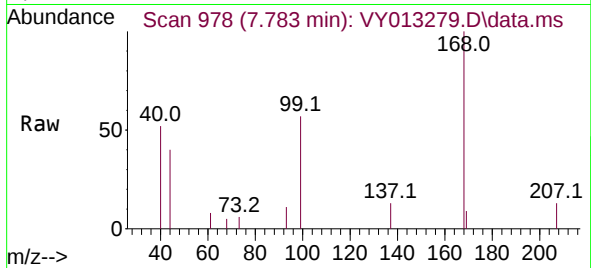




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

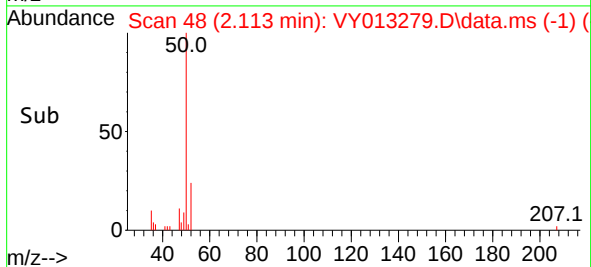
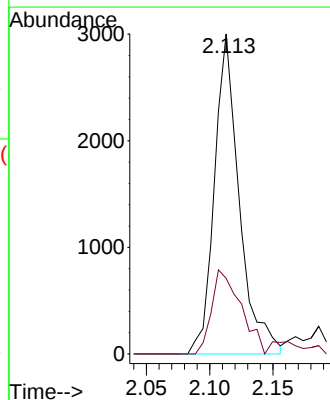
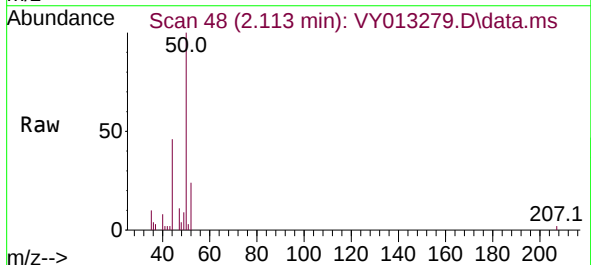
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

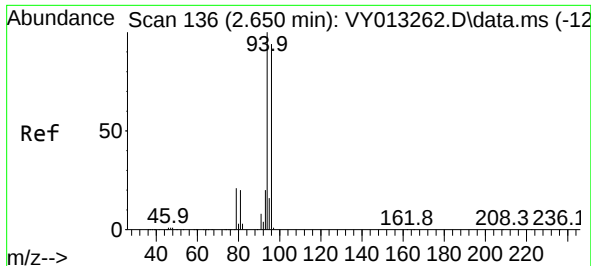
Tgt Ion:168 Resp: 1848
Ion Ratio Lower Upper
168 100
99 57.3 41.7 62.5



#3
Chloromethane
Concen: 196.859 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

Tgt Ion: 50 Resp: 4102
Ion Ratio Lower Upper
50 100
52 23.7 26.0 39.0#

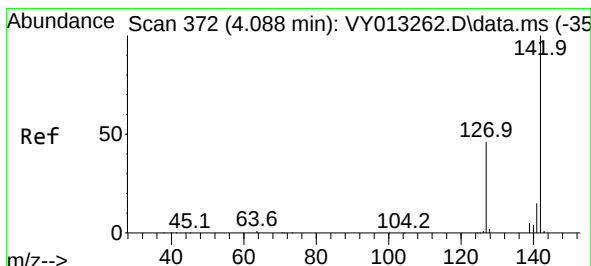
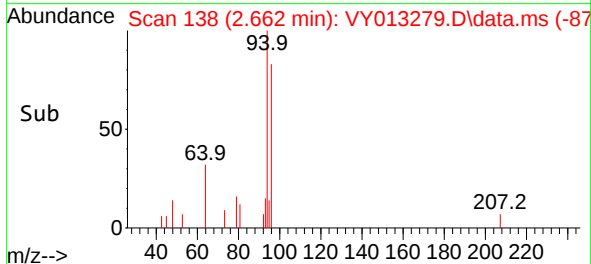
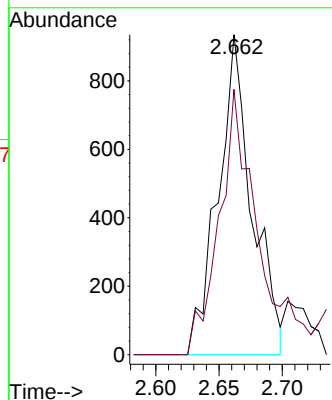
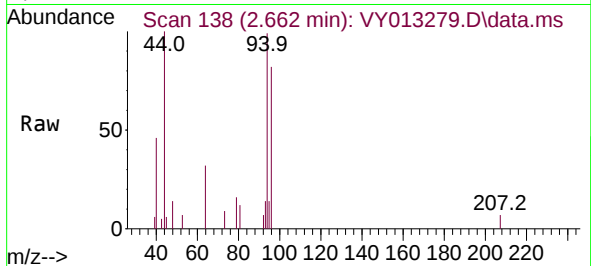




#5
Bromomethane
Concen: 115.250 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

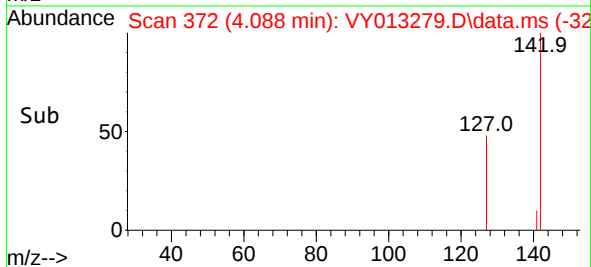
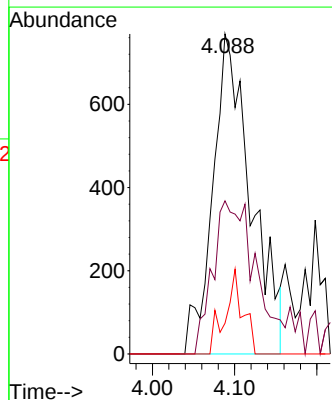
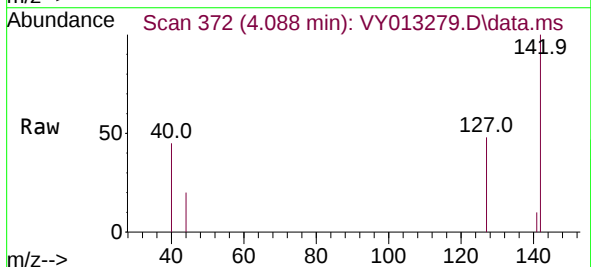
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

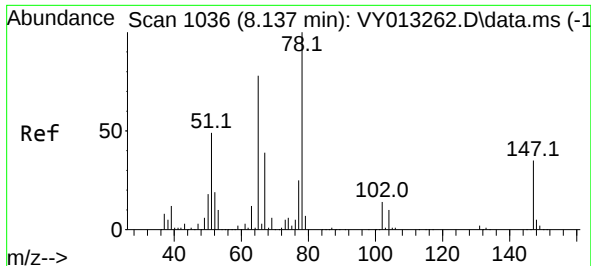
Tgt Ion: 94 Resp: 1746
Ion Ratio Lower Upper
94 100
96 82.9 80.3 120.5



#10
Methyl Iodide
Concen: 111.939 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.000 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

Tgt Ion: 142 Resp: 2481
Ion Ratio Lower Upper
142 100
127 53.8 35.4 53.2#
141 12.3 11.3 16.9

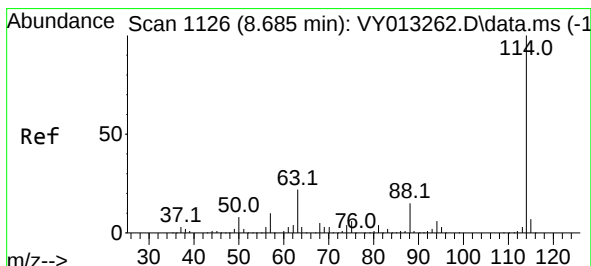
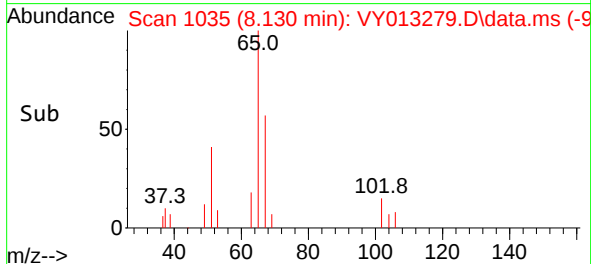
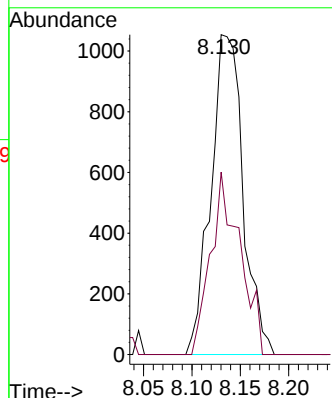
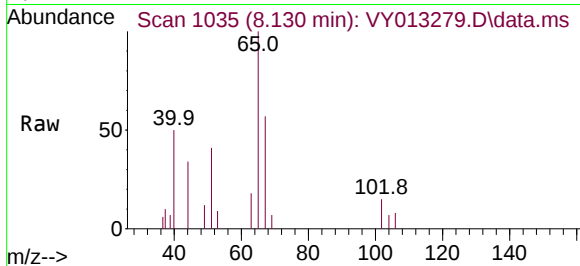




#33
 1,2-Dichloroethane-d4
 Concen: 109.912 ug/l
 RT: 8.130 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY013279.D
 Acq: 12 Apr 2023 20:06

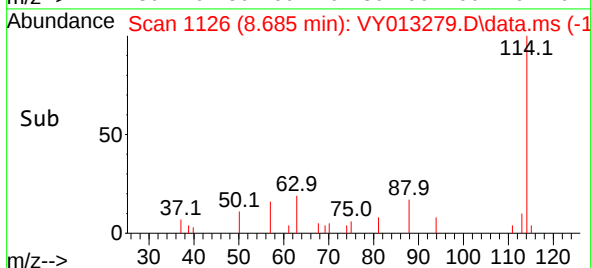
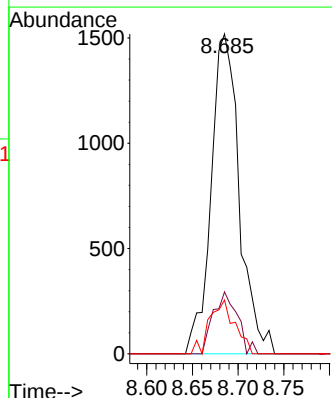
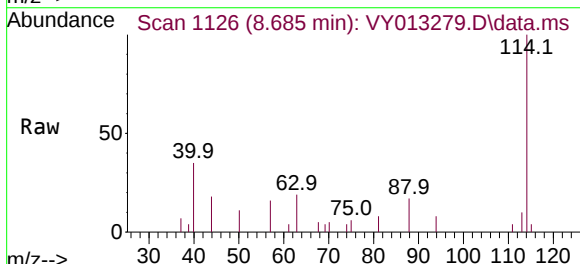
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230235-11-1

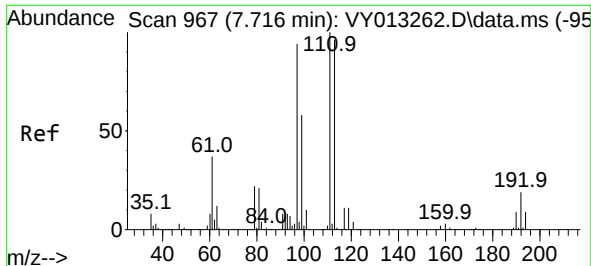
Tgt Ion: 65 Resp: 2441
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY013279.D
 Acq: 12 Apr 2023 20:06

Tgt Ion: 114 Resp: 3262
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.4
 88 16.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 65.205 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY013279.D

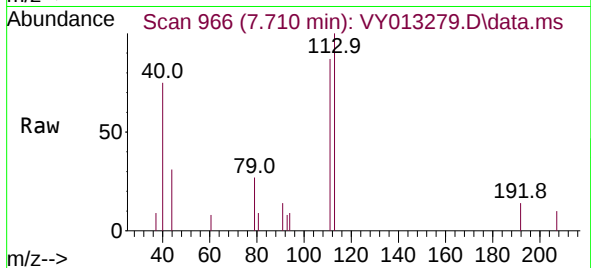
Acq: 12 Apr 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

20230235-11-1



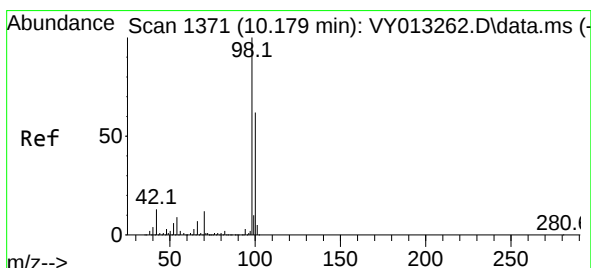
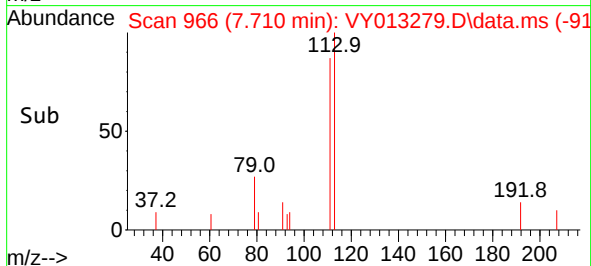
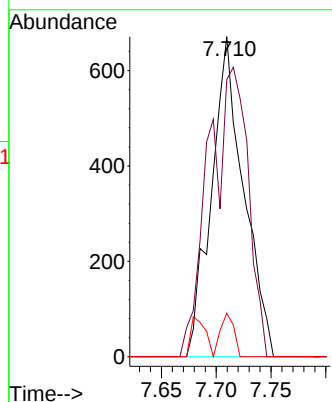
Tgt Ion:113 Resp: 1377

Ion Ratio Lower Upper

113 100

111 110.4 82.2 123.2

192 5.7 16.8 25.2#



#50

Toluene-d8

Concen: 47.185 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013279.D

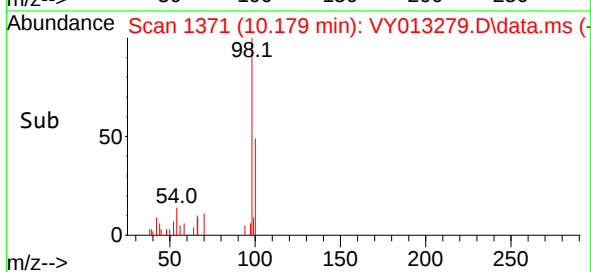
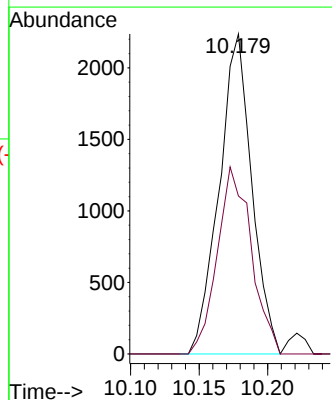
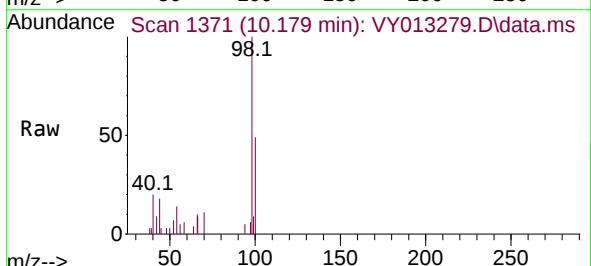
Acq: 12 Apr 2023 20:06

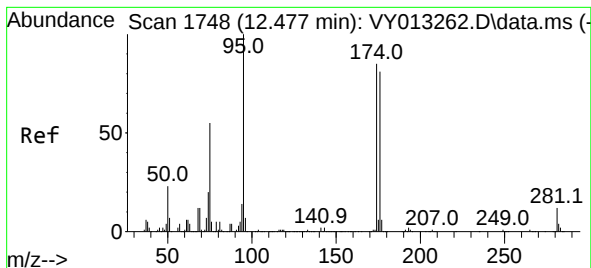
Tgt Ion: 98 Resp: 3709

Ion Ratio Lower Upper

98 100

100 60.8 50.9 76.3

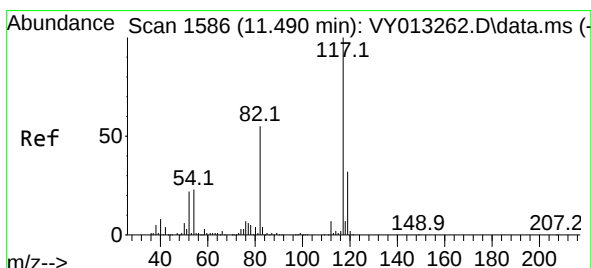
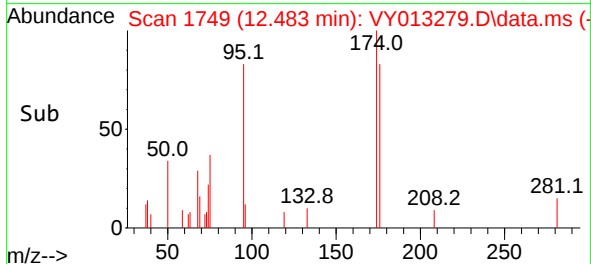
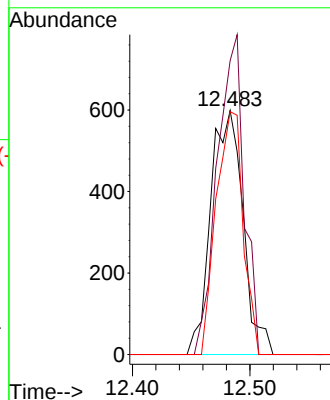
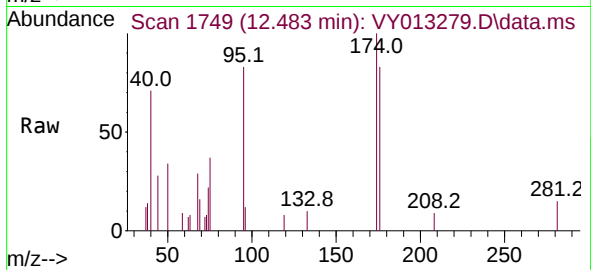




#62
4-Bromofluorobenzene
Concen: 44.910 ug/l
RT: 12.483 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

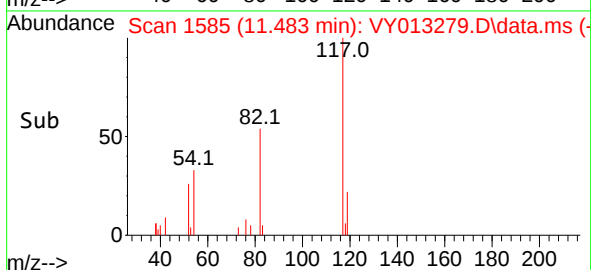
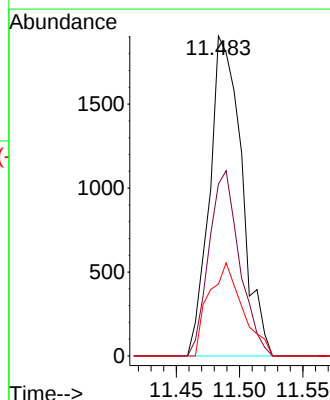
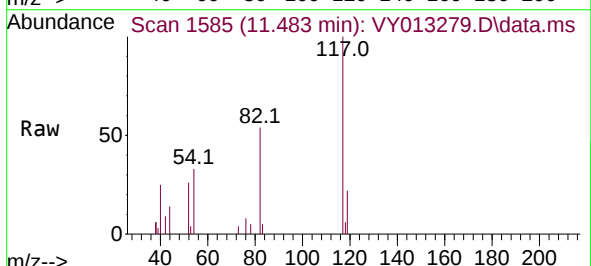
Instrument :
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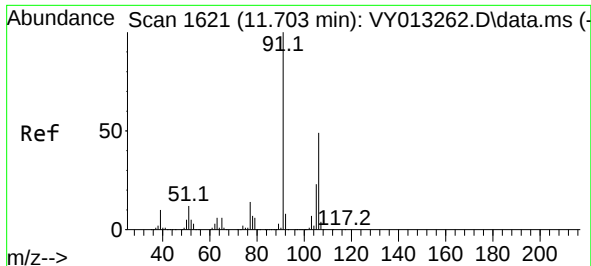
Tgt Ion: 95	Resp: 1147
Ion Ratio	Lower Upper
95 100	
174 108.2	0.0 176.6
176 82.6	0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

Tgt Ion: 117	Resp: 3358
Ion Ratio	Lower Upper
117 100	
82 53.7	45.4 68.0
119 22.5	25.6 38.4

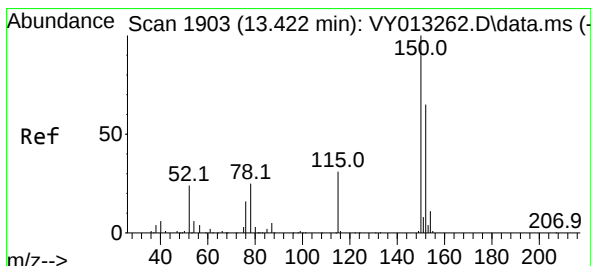
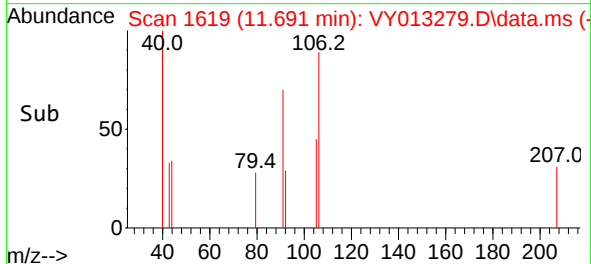
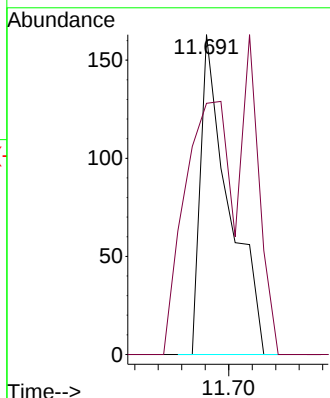
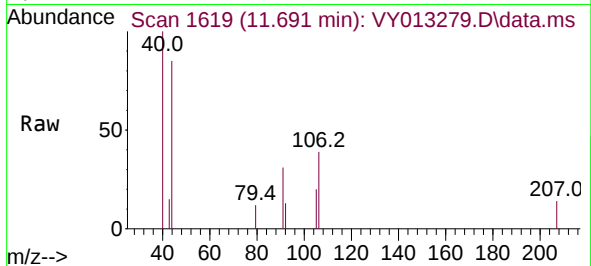




#68
m/p-Xylenes
Concen: 2.905 ug/l
RT: 11.691 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

Tgt Ion:106 Resp: 136
Ion Ratio Lower Upper
106 100
91 189.0 159.8 239.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013279.D
Acq: 12 Apr 2023 20:06

Tgt Ion:152 Resp: 1096
Ion Ratio Lower Upper
152 100
115 59.7 27.1 81.3
150 132.4 0.0 347.8

