

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013355.D
 Acq On : 19 Apr 2023 19:02
 Operator : KP/MD
 Sample : 02366-05
 Misc : 4.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230307-29-1

Quant Time: Apr 20 06:57:47 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)

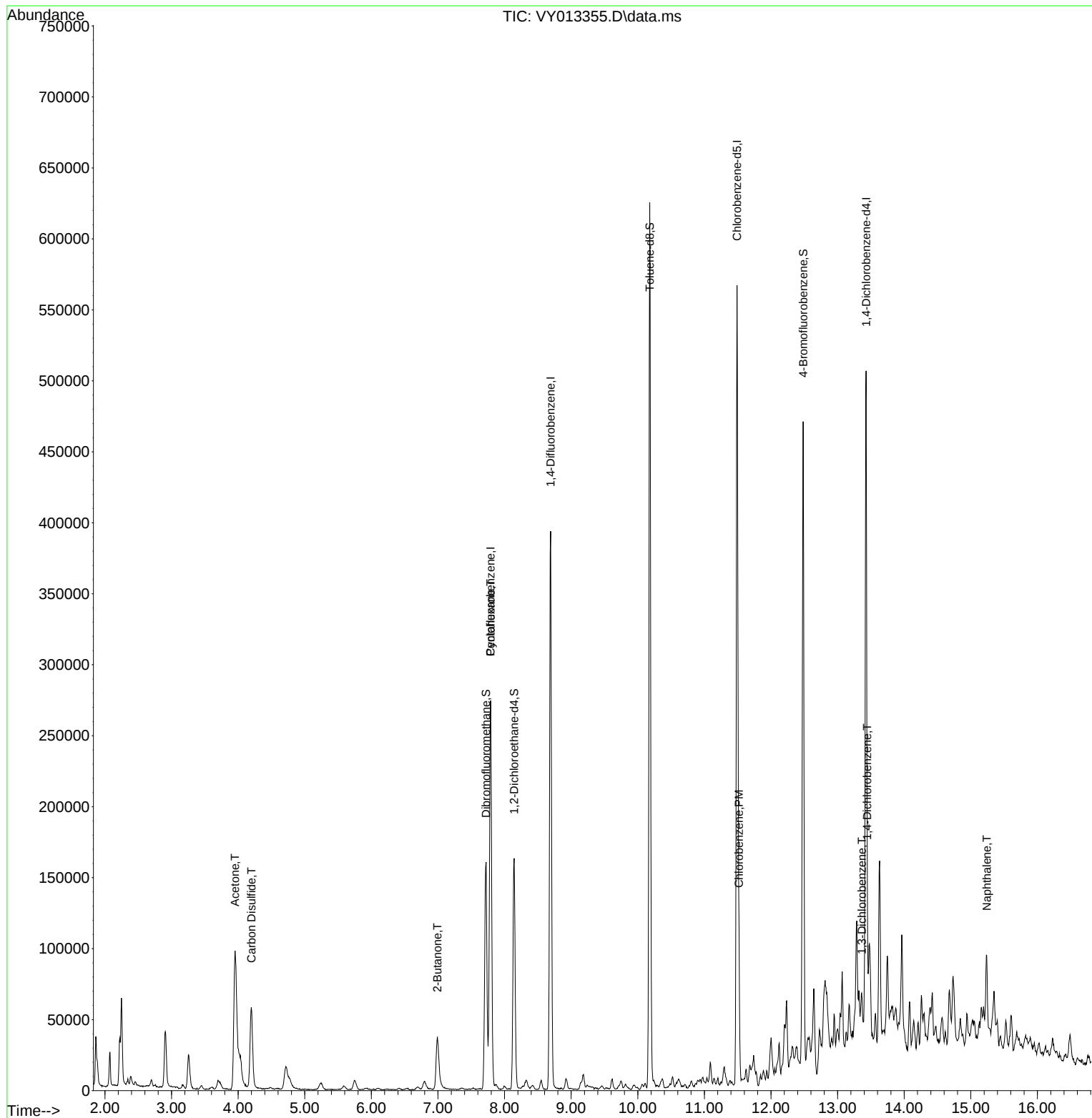
Internal Standards						
1) Pentafluorobenzene	7.789	168	207127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	292942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	126523	50.829	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.660%	
35) Dibromofluoromethane	7.722	113	113983	53.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.220%	
50) Toluene-d8	10.179	98	398910	49.940	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.880%	
62) 4-Bromofluorobenzene	12.483	95	124428	47.943	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.880%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	227441	265.748	ug/l	99
17) Carbon Disulfide	4.198	76	116005	18.079	ug/l	99
25) 2-Butanone	6.990	43	69226	63.172	ug/l	90
31) Cyclohexane	7.789	56	8999	2.391	ug/l #	50
65) Chlorobenzene	11.520	112	50327	8.213	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	7314	1.790	ug/l #	73
88) 1,4-Dichlorobenzene	13.447	146	15465	3.744	ug/l #	80
95) Naphthalene	15.239	128	50685	11.956	ug/l	97

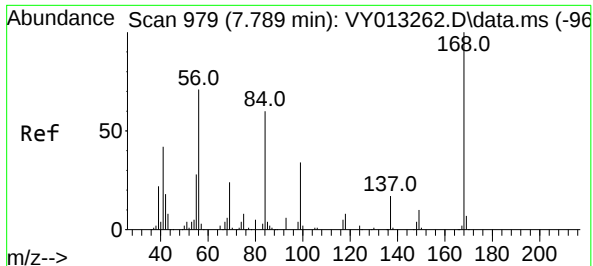
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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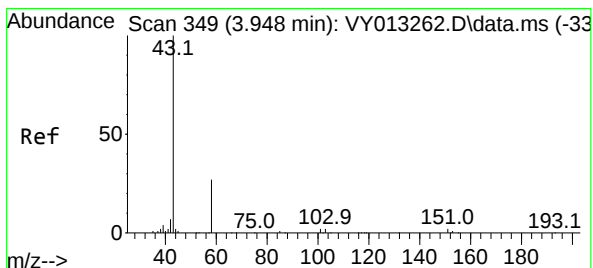
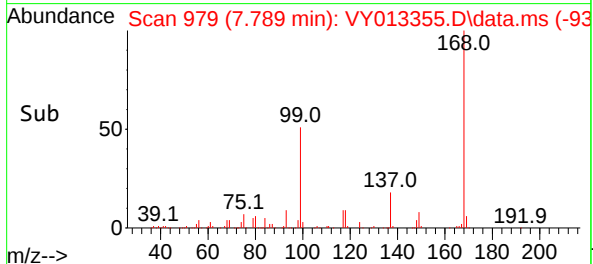
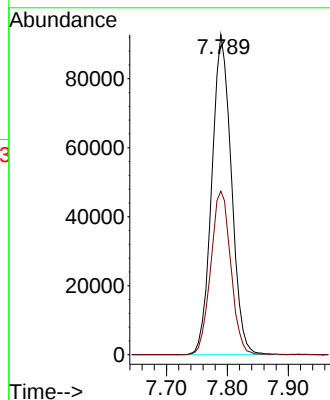
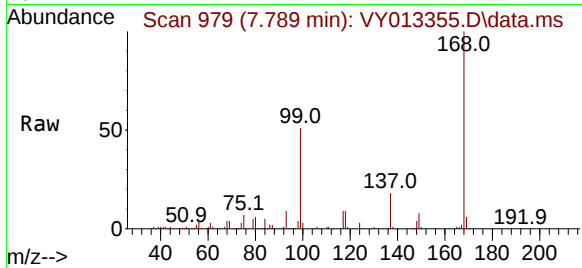




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

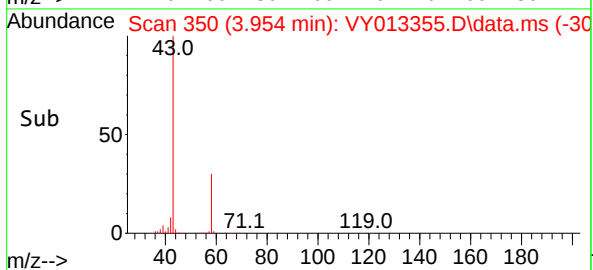
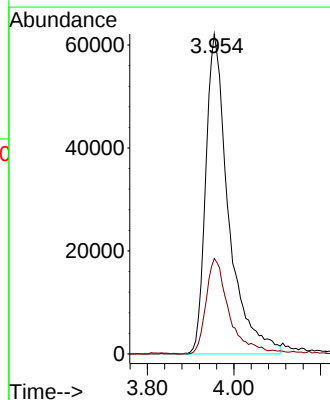
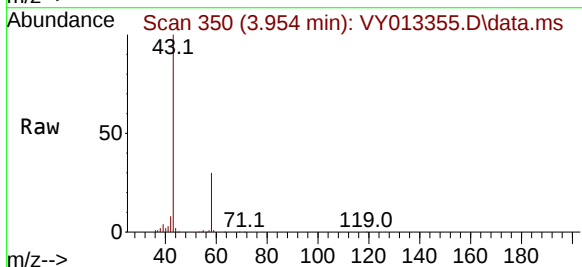
Instrument :
MSVOA_Y
ClientSampleId :
20230307-29-1

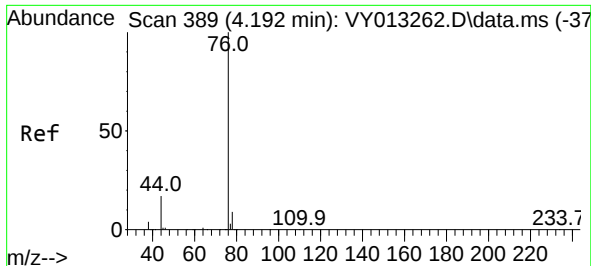
Tgt Ion:168 Resp: 207127
Ion Ratio Lower Upper
168 100
99 51.1 41.7 62.5



#16
Acetone
Concen: 265.748 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

Tgt Ion: 43 Resp: 227441
Ion Ratio Lower Upper
43 100
58 29.8 24.2 36.2

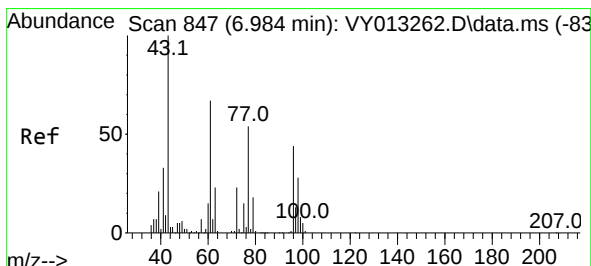
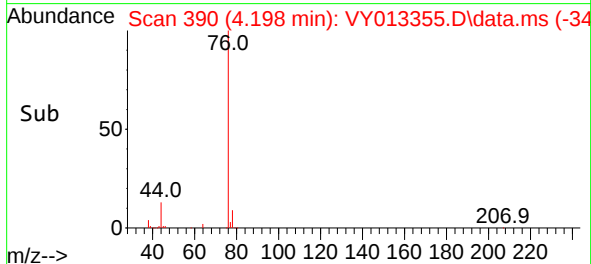
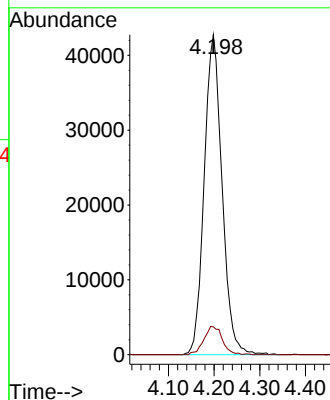
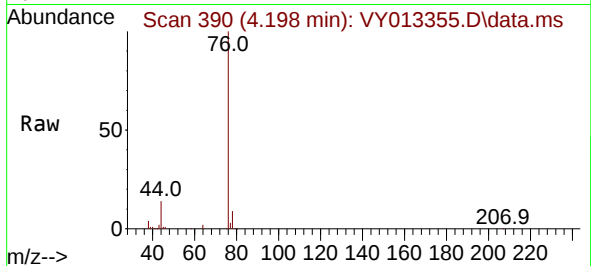




#17
Carbon Disulfide
Concen: 18.079 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

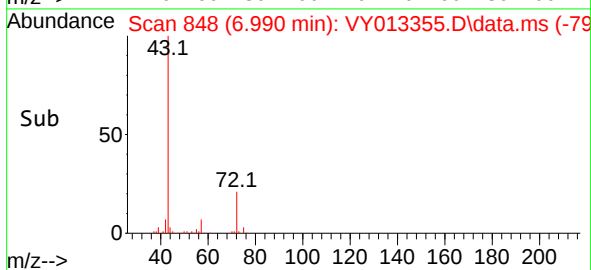
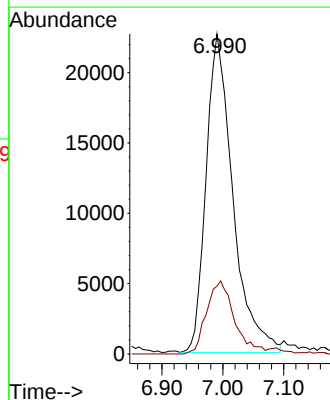
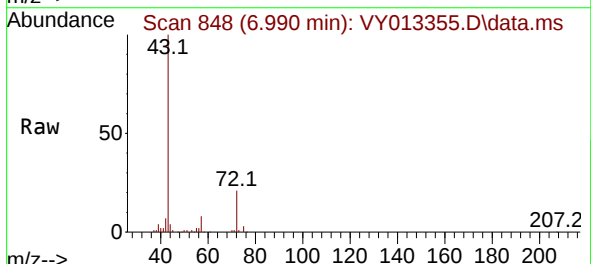
Instrument :
MSVOA_Y
ClientSampleId :
20230307-29-1

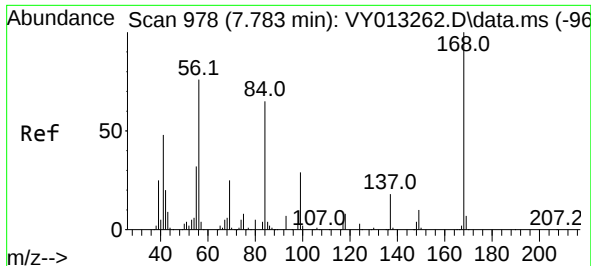
Tgt Ion: 76 Resp: 116005
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#25
2-Butanone
Concen: 63.172 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

Tgt Ion: 43 Resp: 69226
Ion Ratio Lower Upper
43 100
72 21.3 21.0 31.4

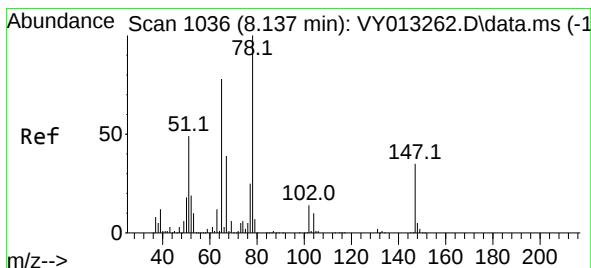
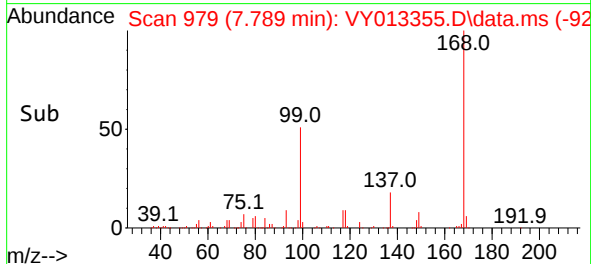
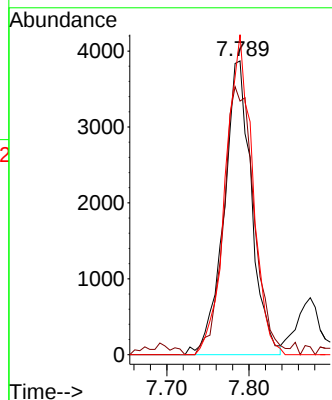
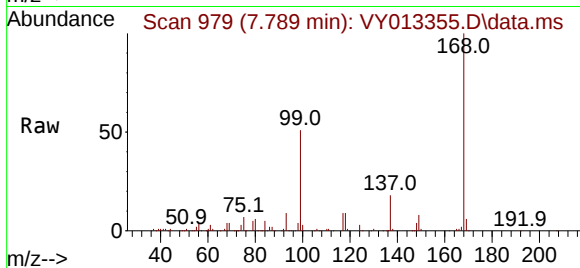




#31
Cyclohexane
Concen: 2.391 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

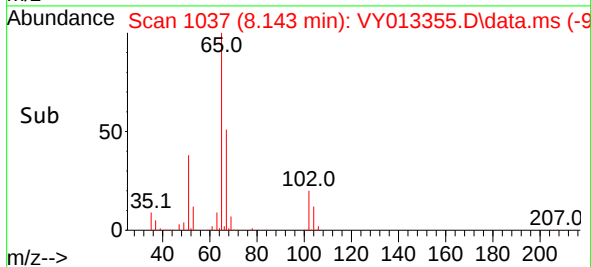
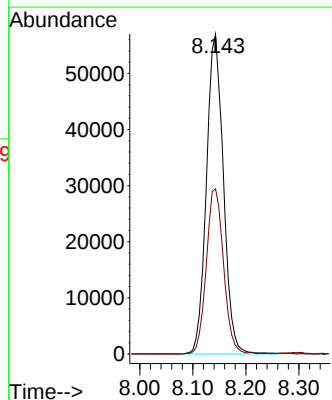
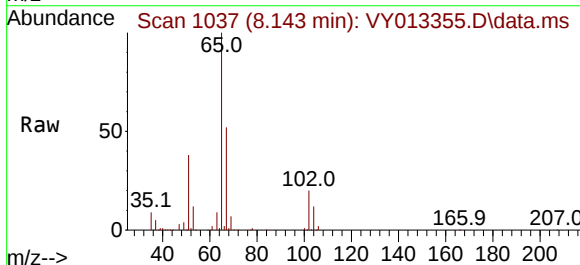
Instrument :
MSVOA_Y
ClientSampleId :
20230307-29-1

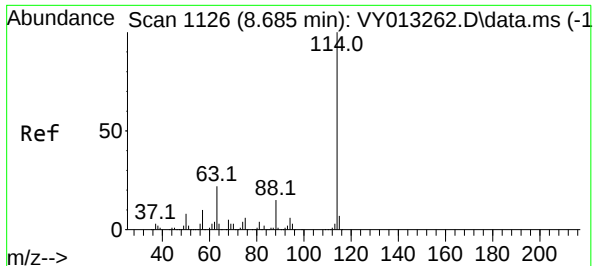
Tgt Ion: 56 Resp: 8999
Ion Ratio Lower Upper
56 100
69 84.4 25.7 38.5#
84 108.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 50.829 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

Tgt Ion: 65 Resp: 126523
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY013355.D

Acq: 19 Apr 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :

20230307-29-1

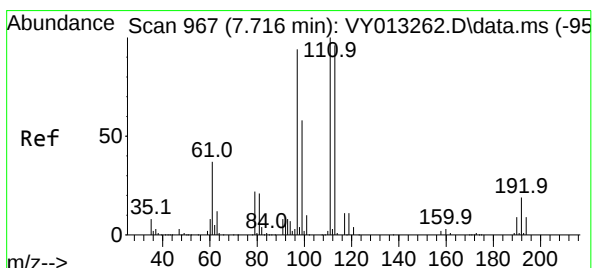
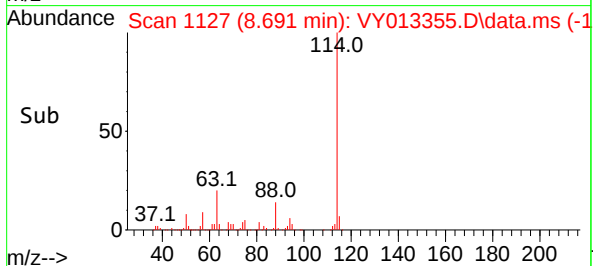
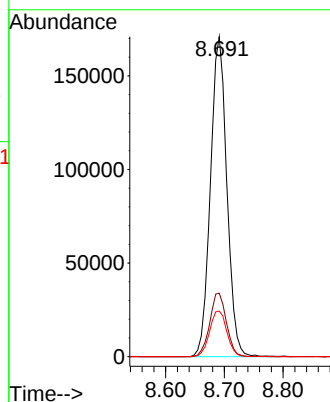
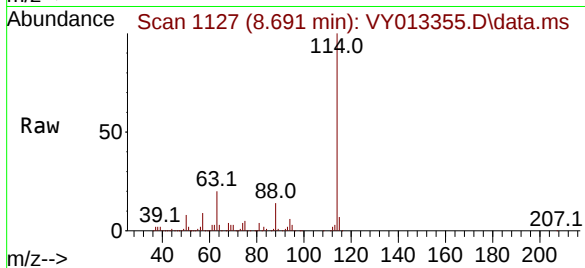
Tgt Ion:114 Resp: 331483

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 14.2 0.0 28.6



#35

Dibromofluoromethane

Concen: 53.114 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013355.D

Acq: 19 Apr 2023 19:02

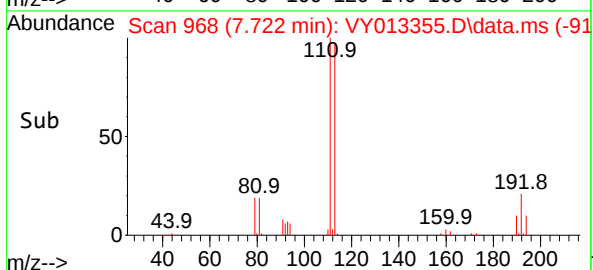
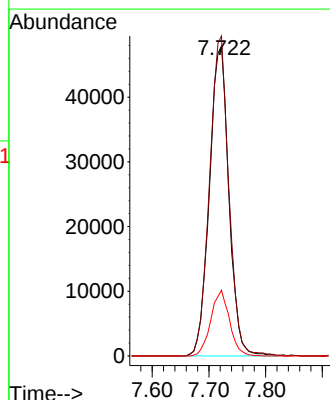
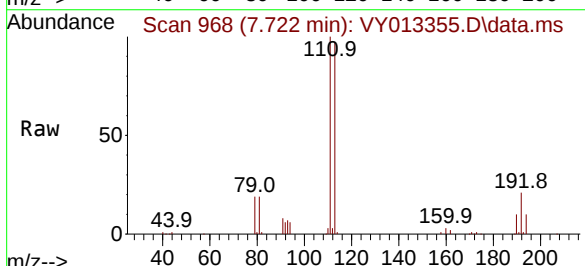
Tgt Ion:113 Resp: 113983

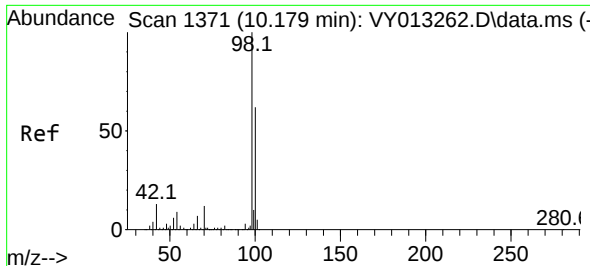
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 20.4 16.8 25.2

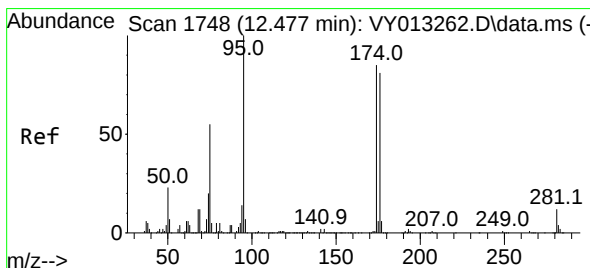
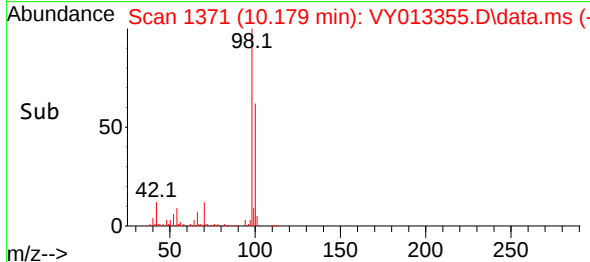
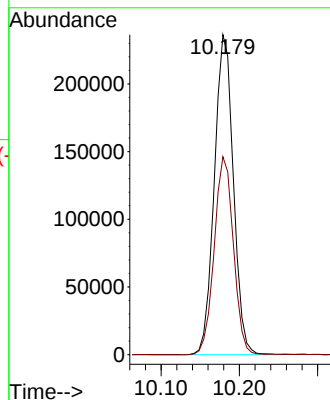
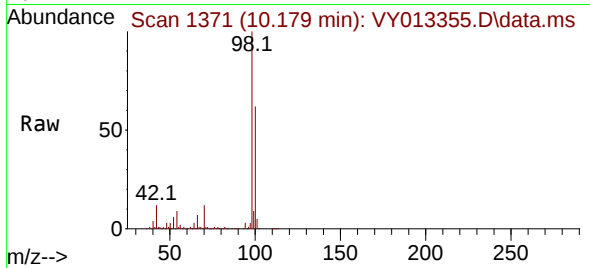




#50
Toluene-d8
Concen: 49.940 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

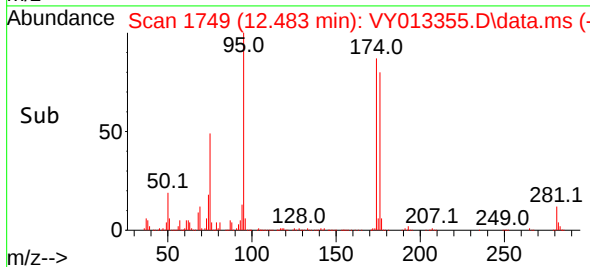
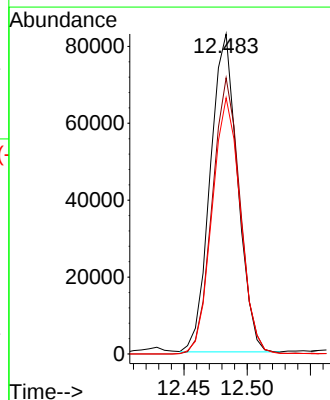
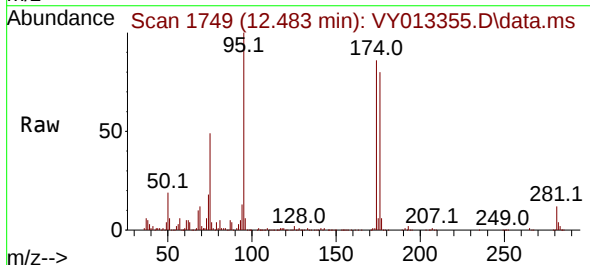
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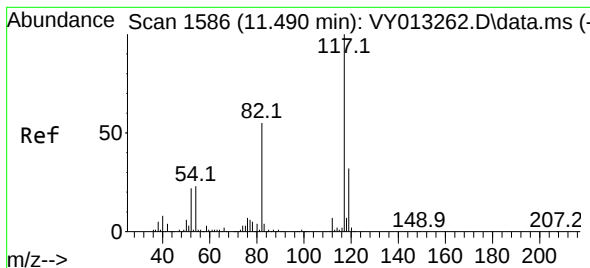
Tgt Ion: 98 Resp: 398910
Ion Ratio Lower Upper
98 100
100 62.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.943 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

Tgt Ion: 95 Resp: 124428
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.6
176 83.5 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013355.D

Acq: 19 Apr 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :

20230307-29-1

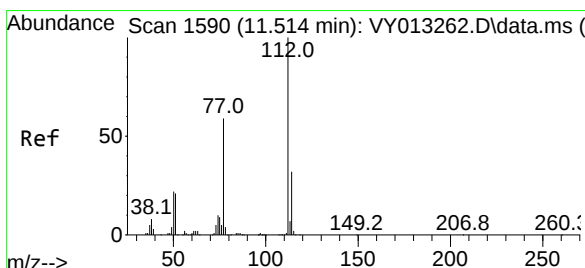
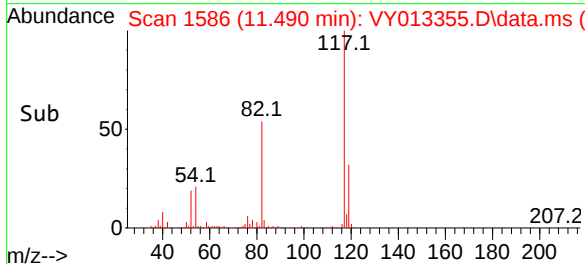
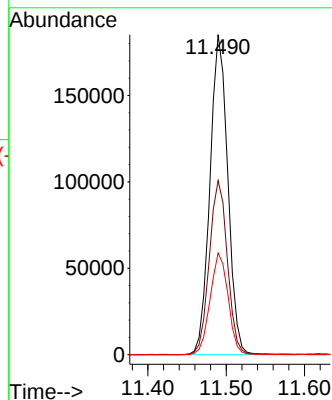
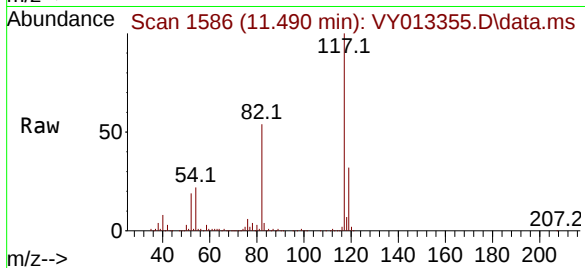
Tgt Ion:117 Resp: 292942

Ion Ratio Lower Upper

117 100

82 54.3 45.4 68.0

119 31.8 25.6 38.4



#65

Chlorobenzene

Concen: 8.213 ug/l

RT: 11.520 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY013355.D

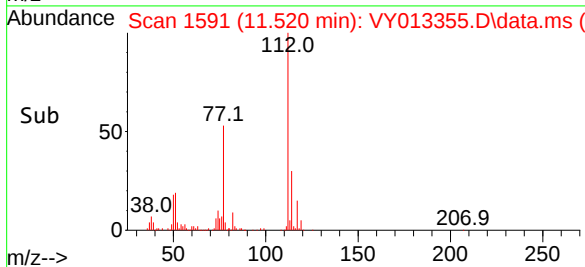
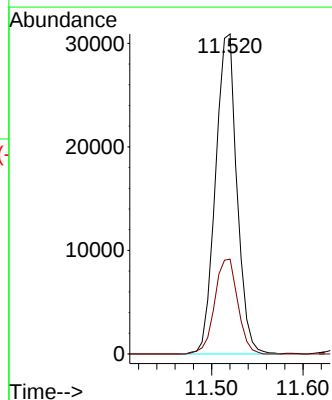
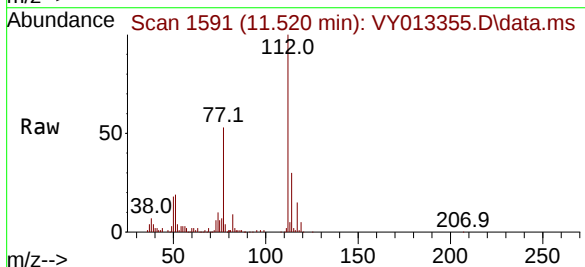
Acq: 19 Apr 2023 19:02

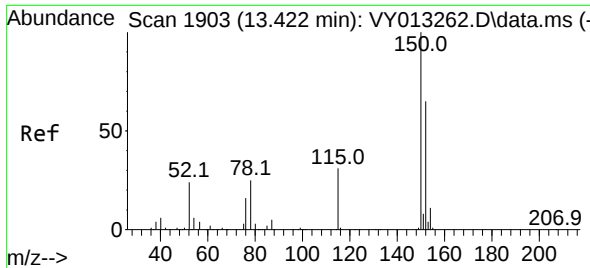
Tgt Ion:112 Resp: 50327

Ion Ratio Lower Upper

112 100

114 29.6 24.5 36.7

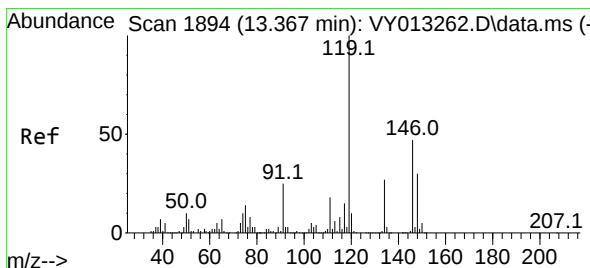
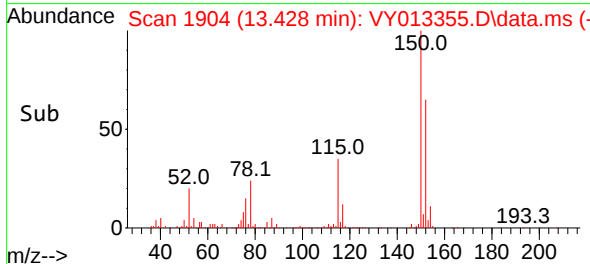
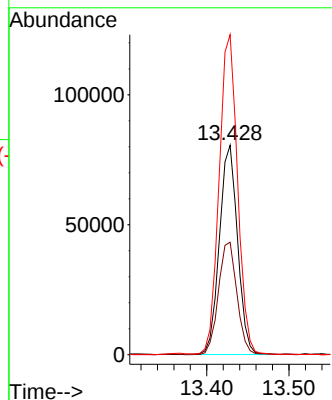
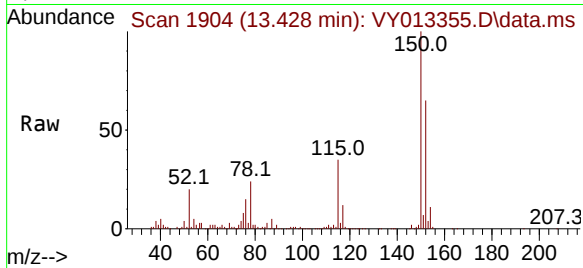




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

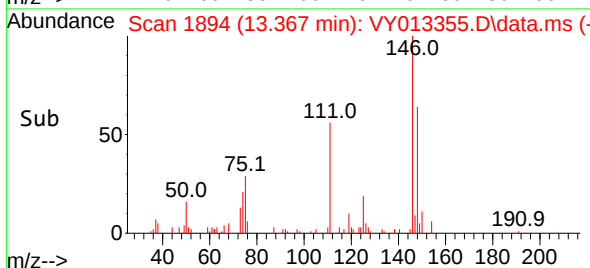
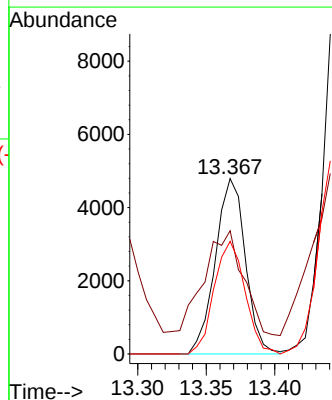
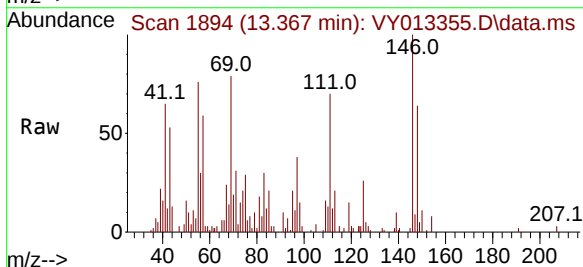
Instrument :
MSVOA_Y
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20230307-29-1

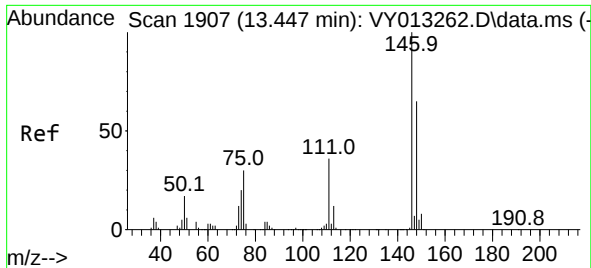
Tgt Ion:152 Resp: 123603
Ion Ratio Lower Upper
152 100
115 55.0 27.1 81.3
150 155.6 0.0 347.8



#87
1,3-Dichlorobenzene
Concen: 1.790 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

Tgt Ion:146 Resp: 7314
Ion Ratio Lower Upper
146 100
111 78.1 19.1 57.5#
148 65.9 31.8 95.3

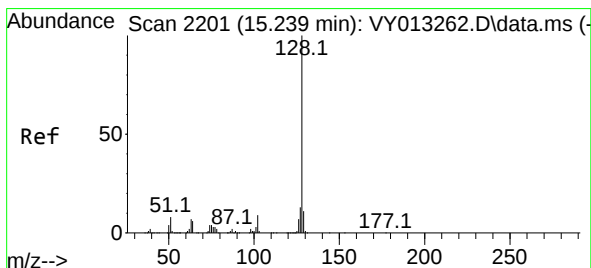
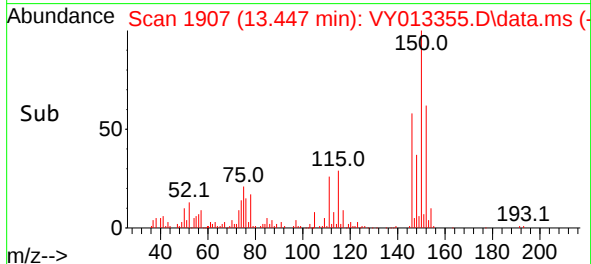
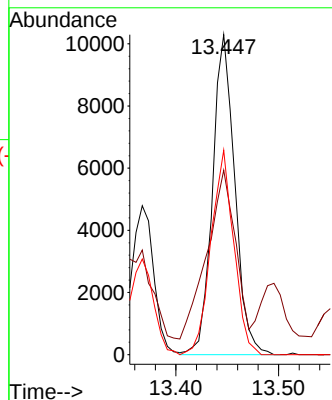
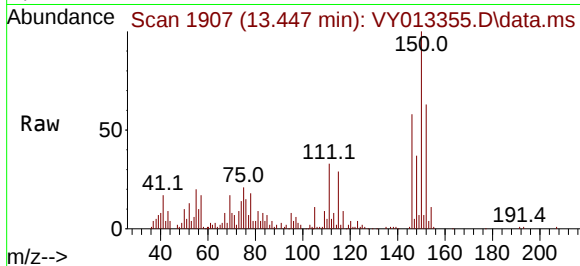




#88
1,4-Dichlorobenzene
Concen: 3.744 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :
20230307-29-1

Tgt Ion:146 Resp: 15465
Ion Ratio Lower Upper
146 100
111 66.5 18.6 55.8#
148 65.8 31.5 94.5



#95
Naphthalene
Concen: 11.956 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013355.D
Acq: 19 Apr 2023 19:02

Tgt Ion:128 Resp: 50685
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 11.6 8.6 13.0

