

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021068.D
 Acq On : 04 Feb 2025 18:57
 Operator : SY/MD
 Sample : Q1242-01
 Misc : 9.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-6.2-013025

Quant Time: Feb 05 00:50:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

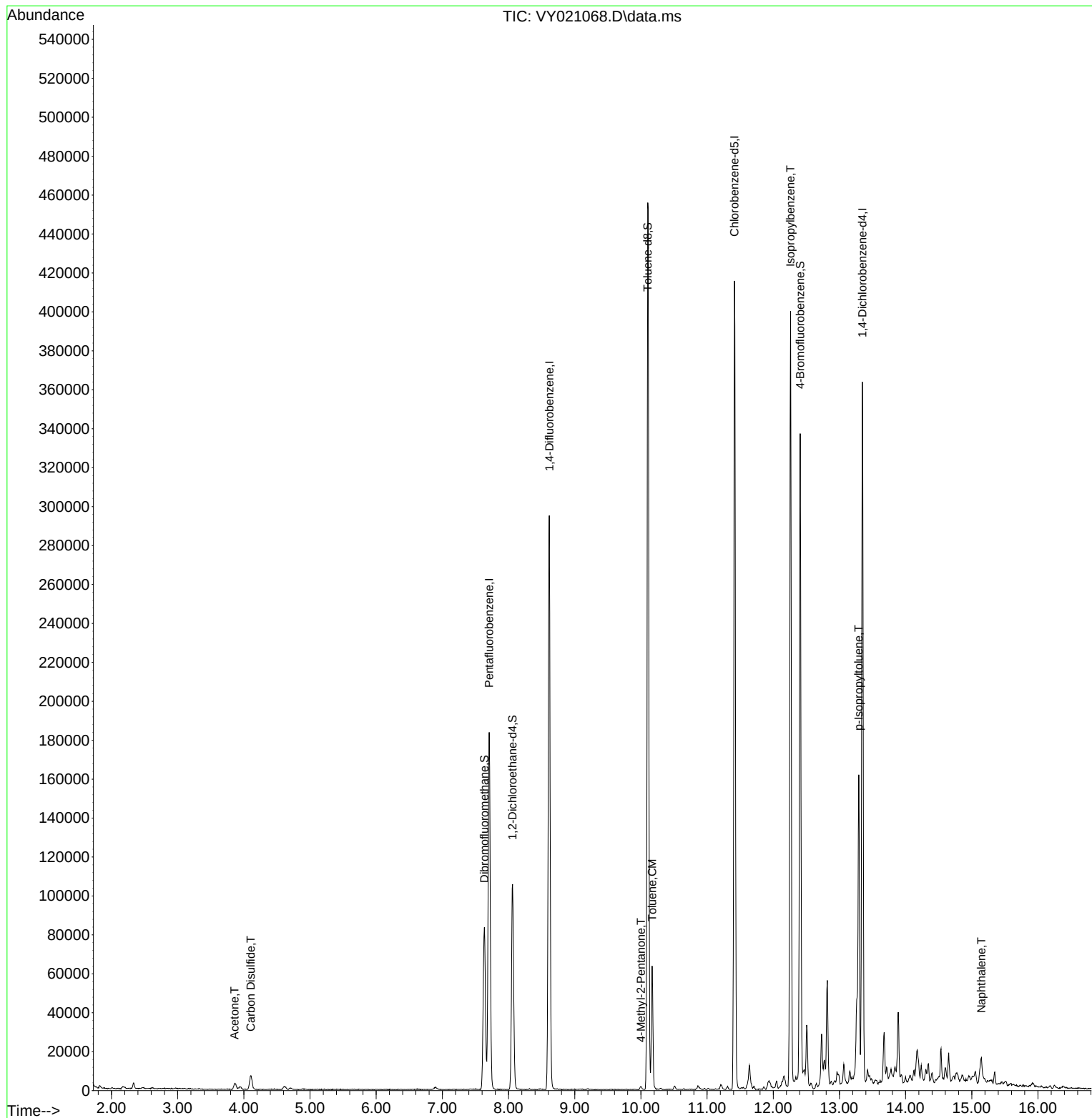
Internal Standards						
1) Pentafluorobenzene	7.707	168	137351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	243790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	214926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	86830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83933	59.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.280%	
35) Dibromofluoromethane	7.634	113	58363	37.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 74.720%	
50) Toluene-d8	10.103	98	295140	49.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.240%	
62) 4-Bromofluorobenzene	12.408	95	94483	48.622	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.240%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	5627	25.640	ug/l	92
17) Carbon Disulfide	4.104	76	14151	3.446	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	1297	1.279	ug/l	91
52) Toluene	10.170	92	24494	5.744	ug/l	99
73) Isopropylbenzene	12.261	105	15729	2.319	ug/l #	65
86) p-Isopropyltoluene	13.292	119	80592	13.484	ug/l	94
95) Naphthalene	15.145	128	9268	3.968	ug/l	96

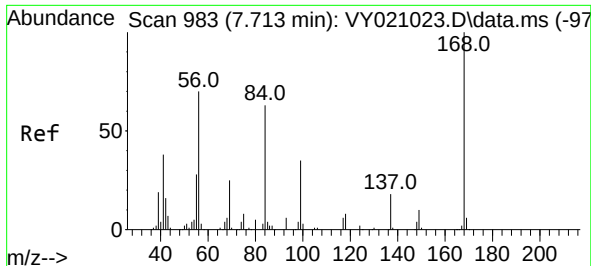
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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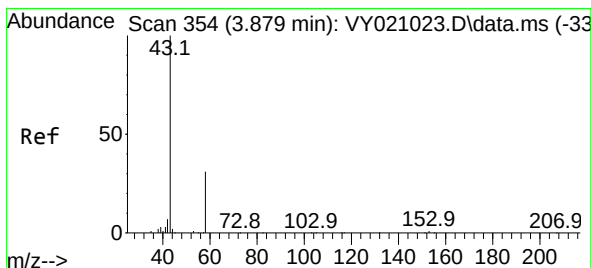
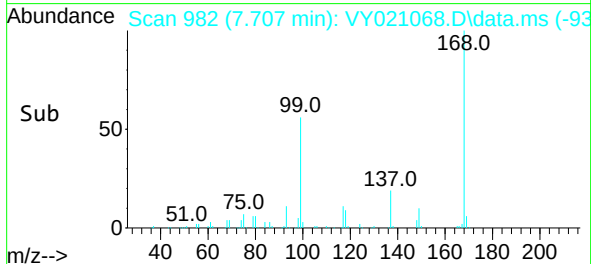
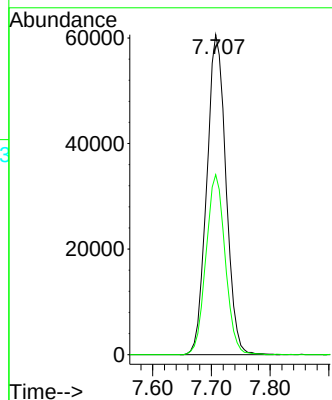
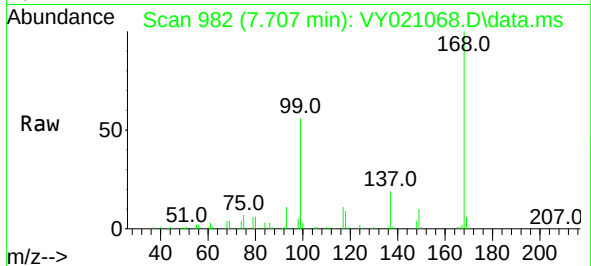




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

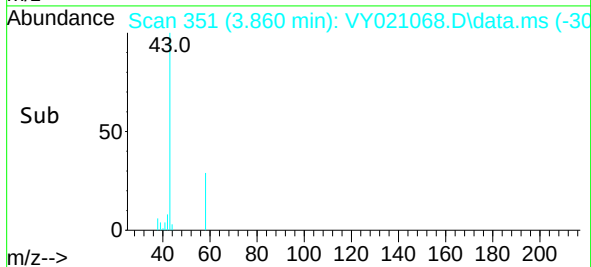
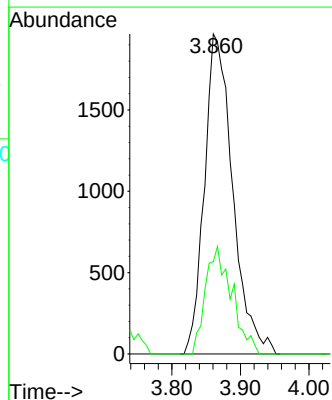
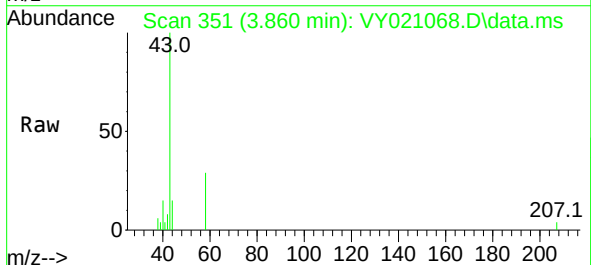
Instrument :
MSVOA_Y
ClientSampleId :
JPP-6.2-013025

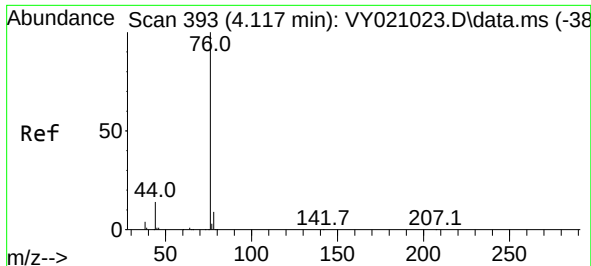
Tgt Ion:168 Resp: 137351
Ion Ratio Lower Upper
168 100
99 56.2 44.2 66.4



#16
Acetone
Concen: 25.640 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 43 Resp: 5627
Ion Ratio Lower Upper
43 100
58 28.8 26.6 39.8

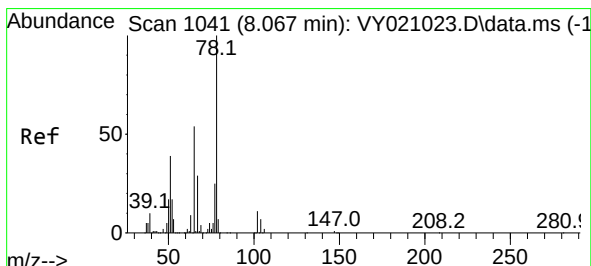
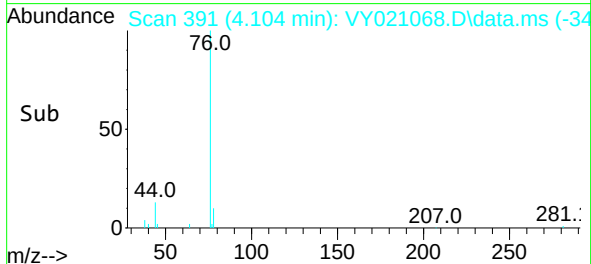
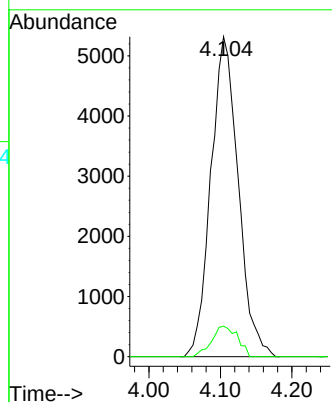
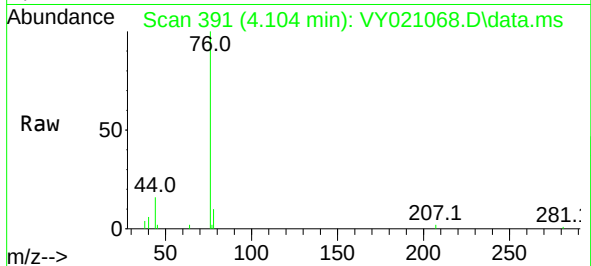




#17
Carbon Disulfide
Concen: 3.446 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

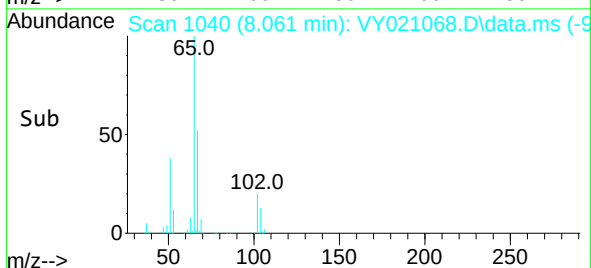
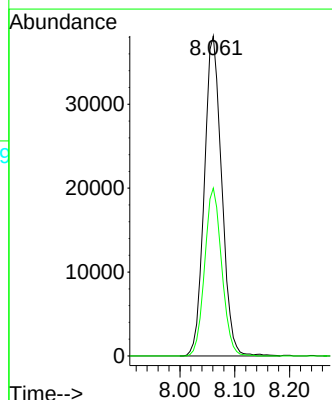
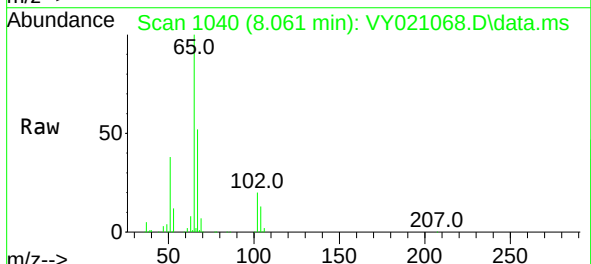
Instrument :
MSVOA_Y
ClientSampleId :
JPP-6.2-013025

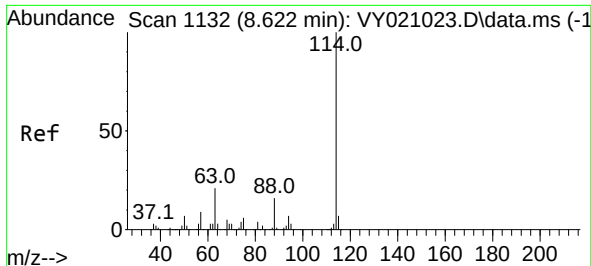
Tgt Ion: 76 Resp: 14151
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#33
1,2-Dichloroethane-d4
Concen: 59.642 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 65 Resp: 83933
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

JPP-6.2-013025

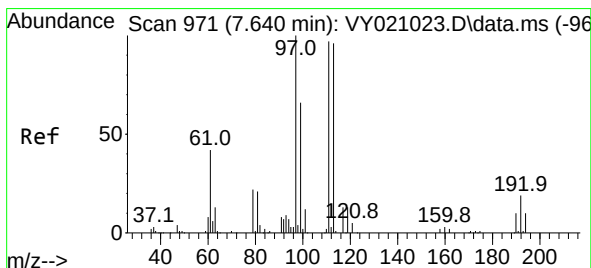
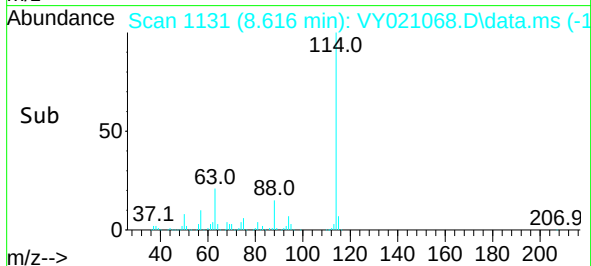
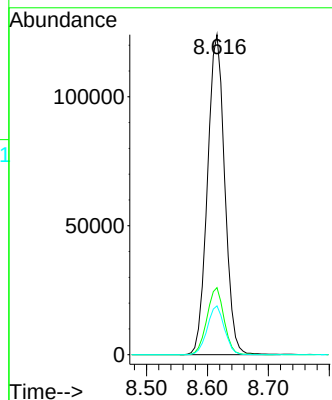
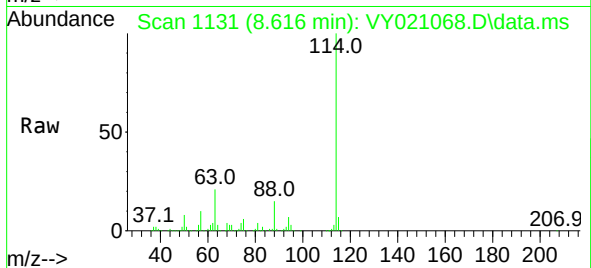
Tgt Ion:114 Resp: 243790

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.355 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

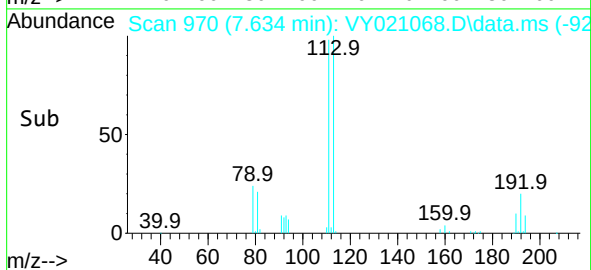
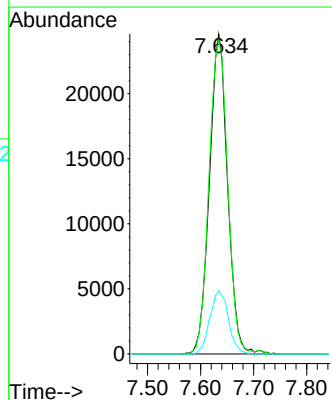
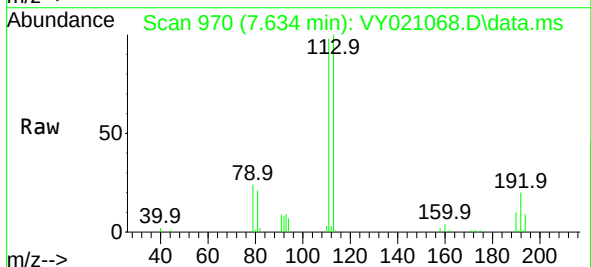
Tgt Ion:113 Resp: 58363

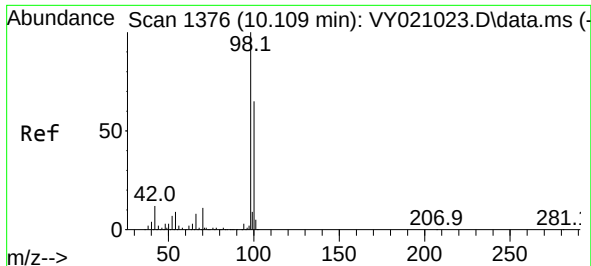
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 20.2 14.5 21.7

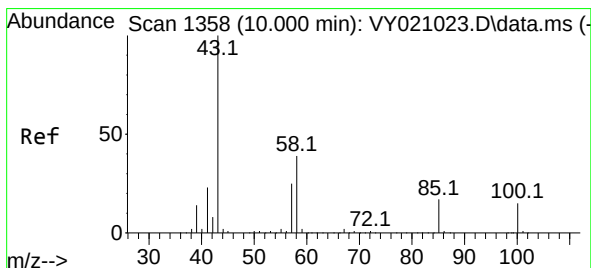
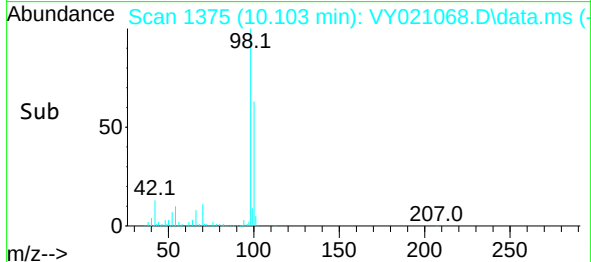
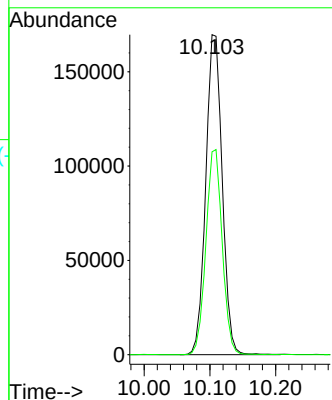
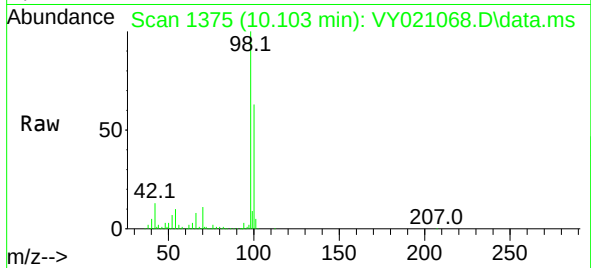




#50
Toluene-d8
Concen: 49.620 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

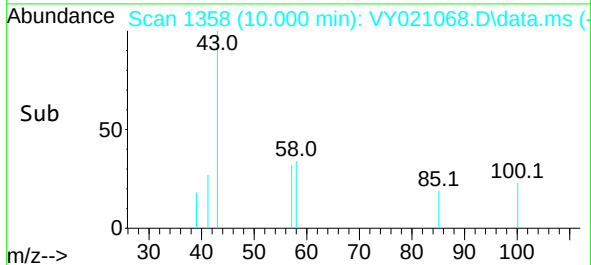
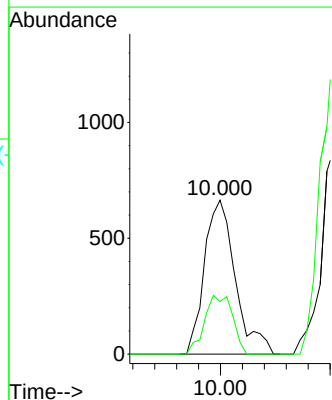
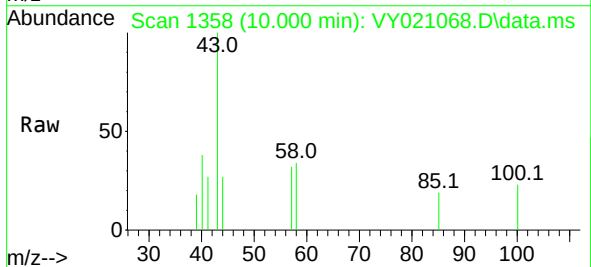
Instrument :
MSVOA_Y
ClientSampleId :
JPP-6.2-013025

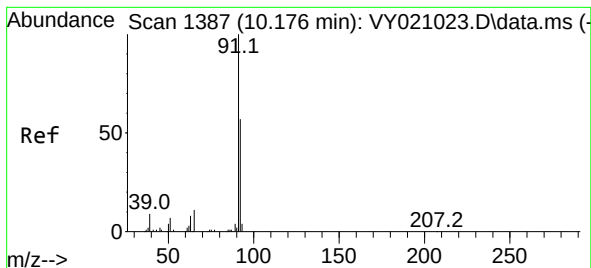
Tgt Ion: 98 Resp: 295140
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.279 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021068.D
Acq: 04 Feb 2025 18:57

Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
58 34.5 32.2 48.2





#52

Toluene

Concen: 5.744 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

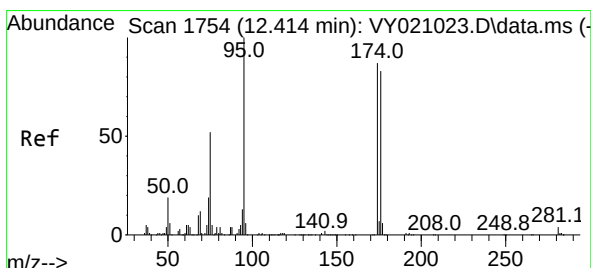
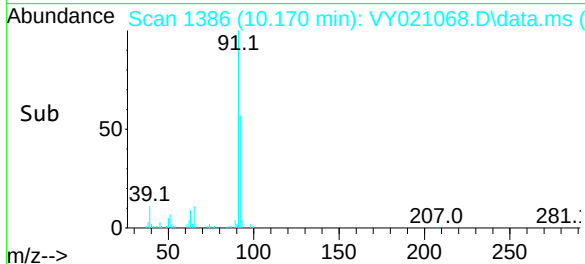
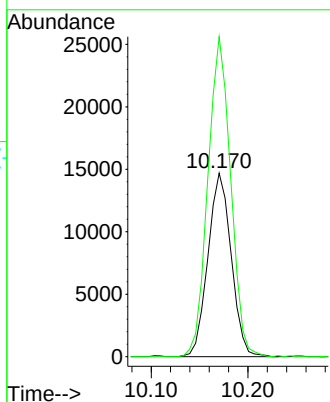
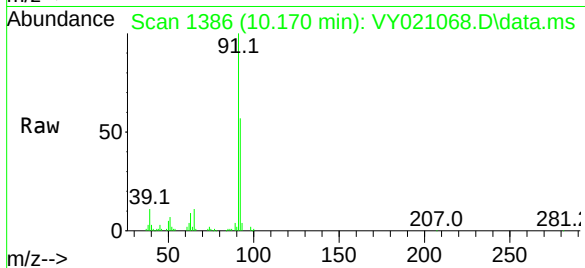
JPP-6.2-013025

Tgt Ion: 92 Resp: 24494

Ion Ratio Lower Upper

92 100

91 171.0 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 48.622 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

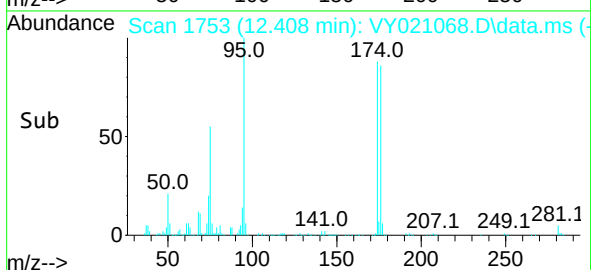
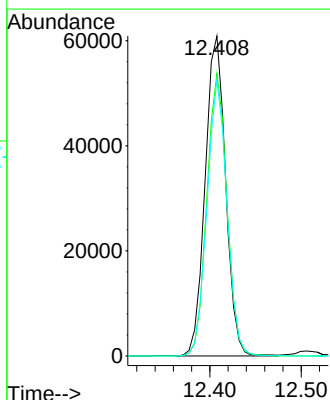
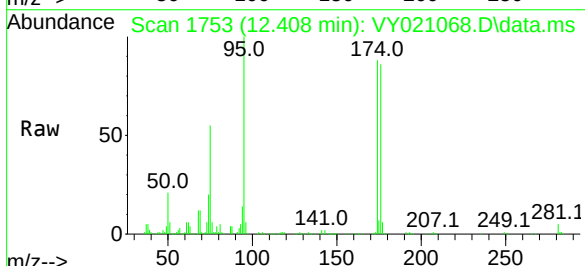
Tgt Ion: 95 Resp: 94483

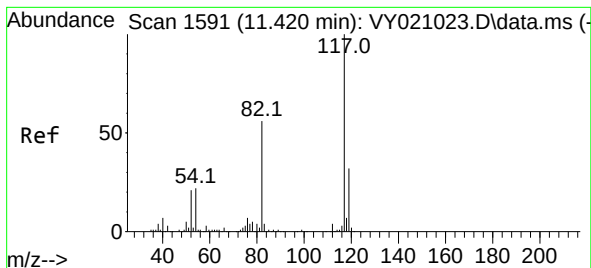
Ion Ratio Lower Upper

95 100

174 86.9 0.0 160.0

176 84.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

Instrument :

MSVOA_Y

ClientSampleId :

JPP-6.2-013025

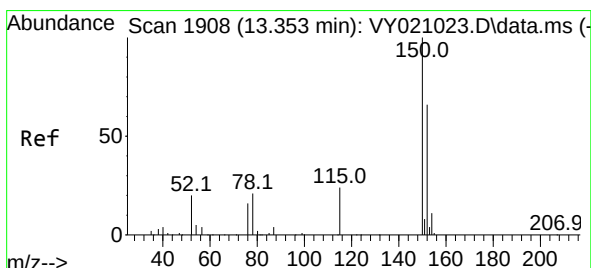
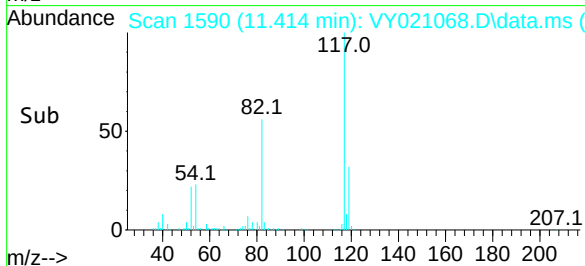
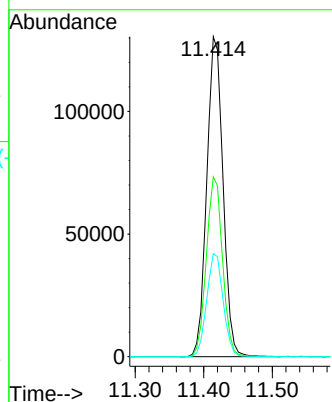
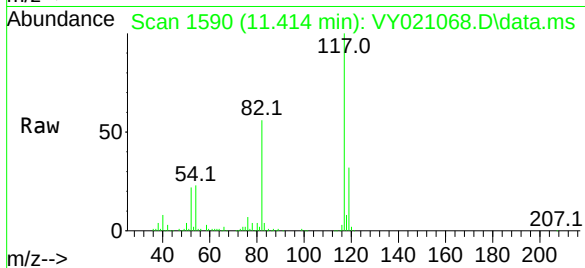
Tgt Ion:117 Resp: 214926

Ion Ratio Lower Upper

117 100

82 56.2 43.8 65.8

119 32.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

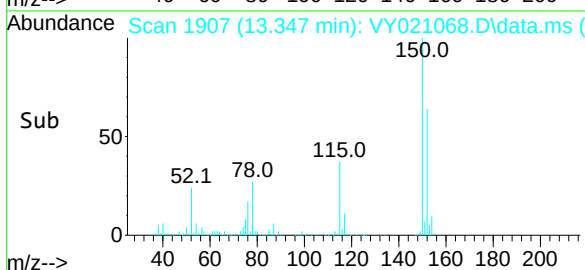
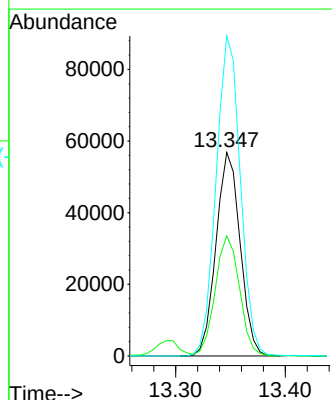
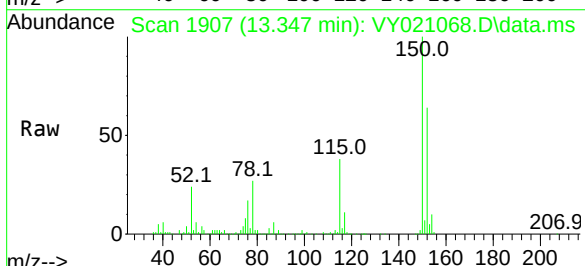
Tgt Ion:152 Resp: 86830

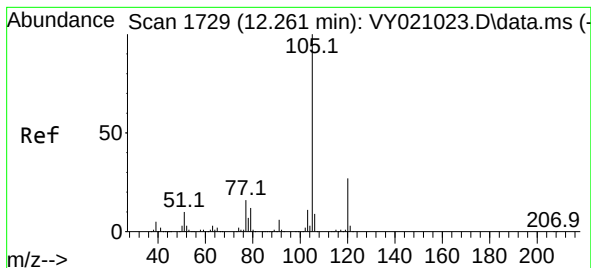
Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 158.6 0.0 344.6





#73

Isopropylbenzene

Concen: 2.319 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. -0.000 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

Instrument :

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ClientSampleId :

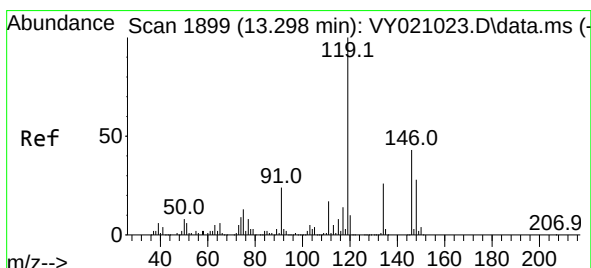
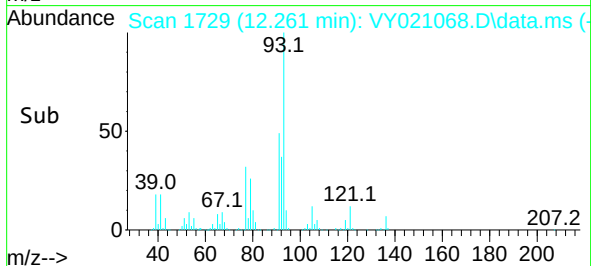
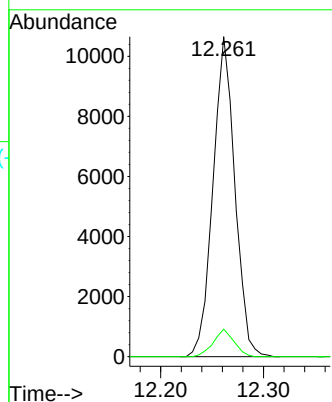
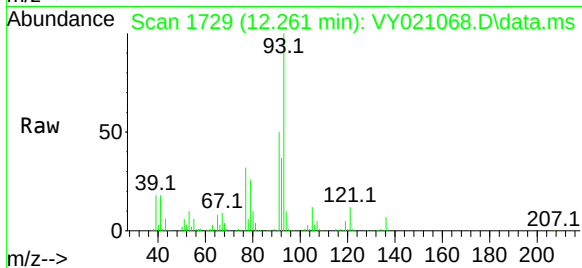
JPP-6.2-013025

Tgt Ion:105 Resp: 15729

Ion Ratio Lower Upper

105 100

120 8.1 13.0 39.0#



#86

p-Isopropyltoluene

Concen: 13.484 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.006 min

Lab File: VY021068.D

Acq: 04 Feb 2025 18:57

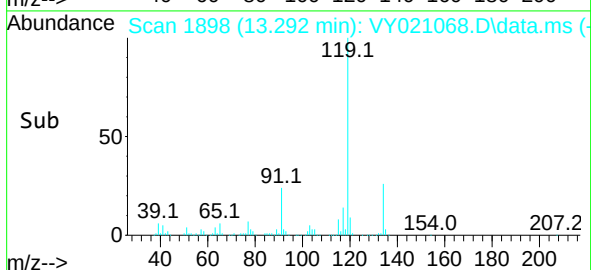
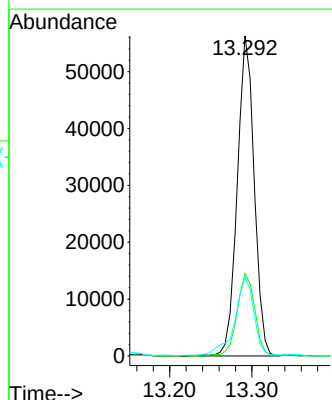
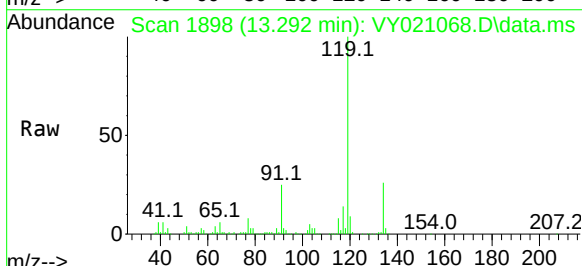
Tgt Ion:119 Resp: 80592

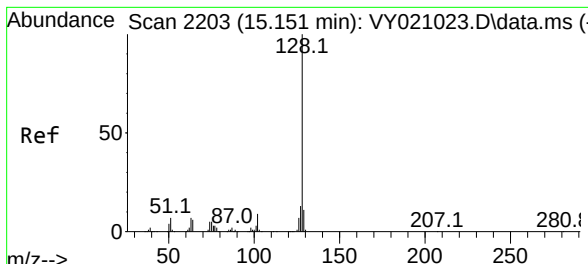
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.1

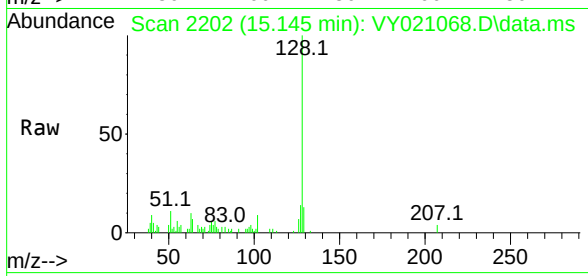
91 28.4 11.7 35.0





#95
 Naphthalene
 Concen: 3.968 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021068.D
 Acq: 04 Feb 2025 18:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-6.2-013025



Tgt Ion:128 Resp: 9268

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.4
129	11.4	8.6	12.8

