

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022520.D
 Acq On : 03 Jun 2025 14:14
 Operator : SY/MD
 Sample : Q2168-03
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3

Quant Time: Jun 04 04:12:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

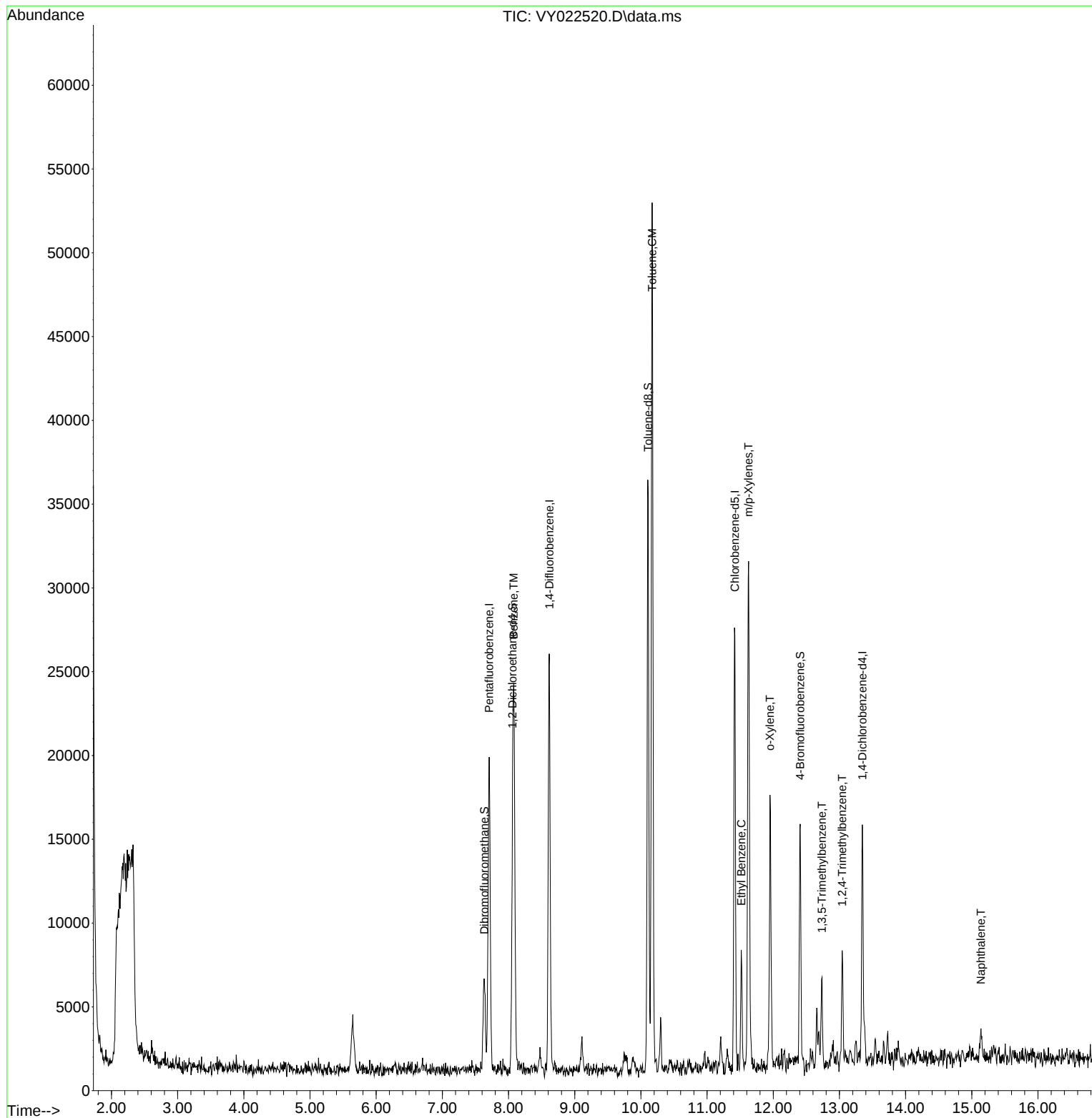
Internal Standards						
1) Pentafluorobenzene	7.707	168	13184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	20621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	13291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	3173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	6122	41.518	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.040%
35) Dibromofluoromethane	7.634	113	3777	30.687	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	61.380%
50) Toluene-d8	10.109	98	21683	43.599	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.200%
62) 4-Bromofluorobenzene	12.408	95	4547	30.686	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.380%
Target Compounds						
					Qvalue	
40) Benzene	8.079	78	19962	33.833	ug/l	96
52) Toluene	10.170	92	20379	54.962	ug/l	95
67) Ethyl Benzene	11.518	91	4541	8.324	ug/l #	81
68) m/p-Xylenes	11.627	106	8529	41.243	ug/l	100
69) o-Xylene	11.950	106	3958	20.414	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	1606	7.853	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	3695	18.064	ug/l	98
95) Naphthalene	15.139	128	1622	16.388	ug/l #	84

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022520.D
Acq On : 03 Jun 2025 14:14
Operator : SY/MD
Sample : Q2168-03
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A3

Quant Time: Jun 04 04:12:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

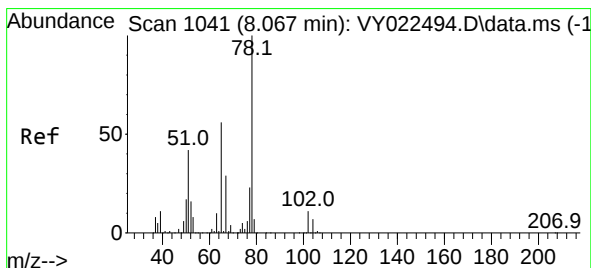
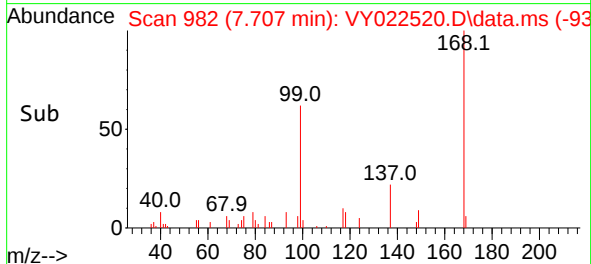
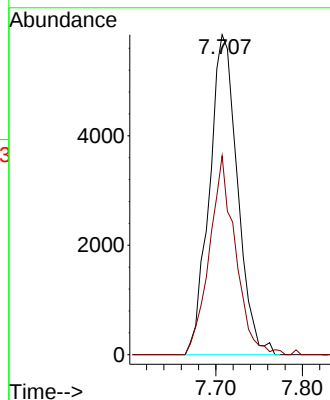
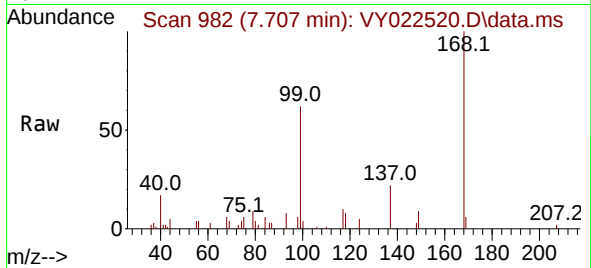




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

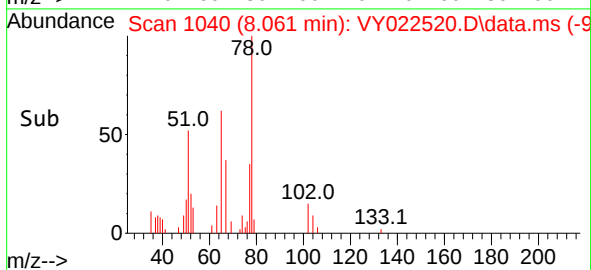
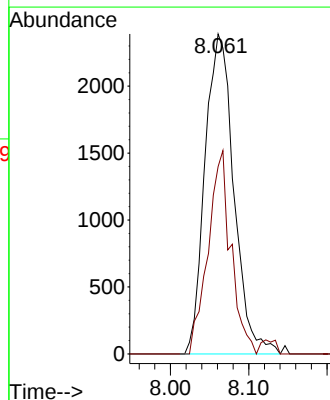
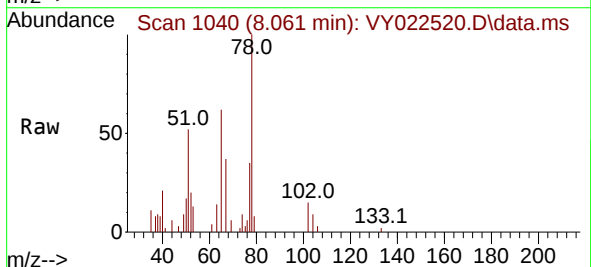
Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:168 Resp: 13184
Ion Ratio Lower Upper
168 100
99 62.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 41.518 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 65 Resp: 6122
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.4

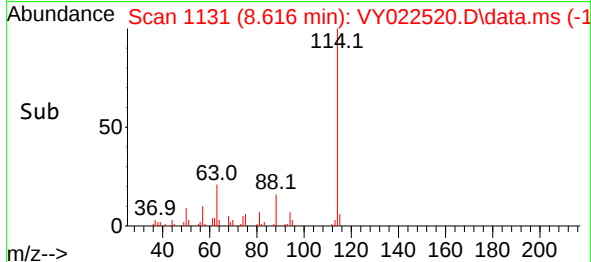
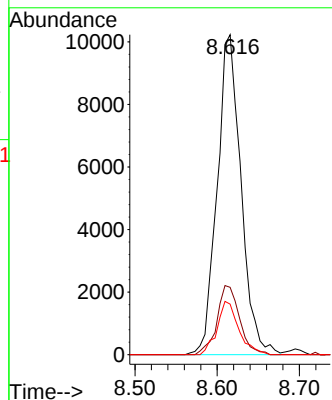
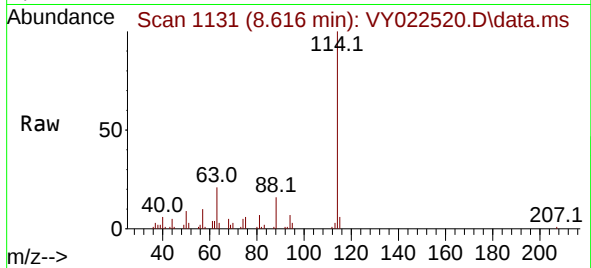




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

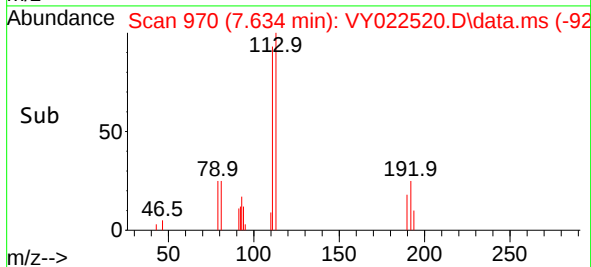
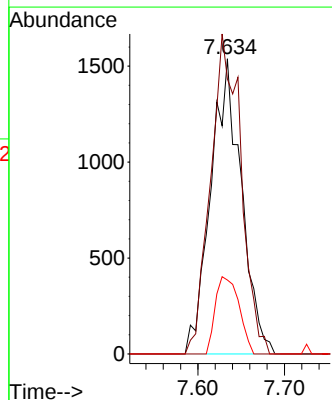
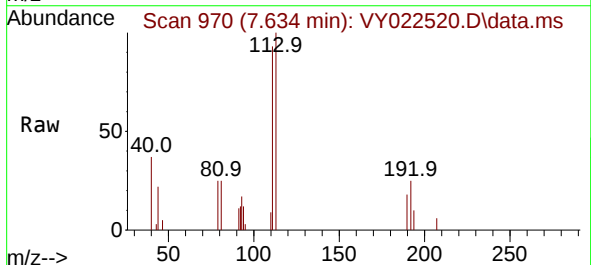
Instrument :
MSVOA_Y
ClientSampleId :
A3

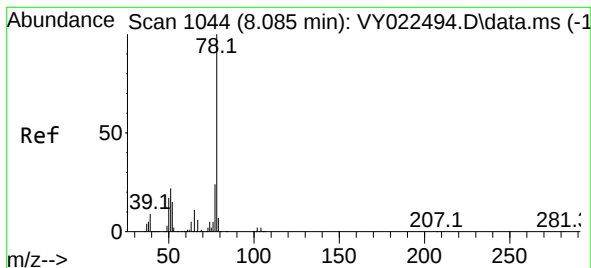
Tgt Ion:	114	Resp:	20621
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	40.8
88	15.8	0.0	27.8



#35
Dibromofluoromethane
Concen: 30.687 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:	113	Resp:	3777
Ion Ratio	Lower	Upper	
113	100		
111	107.4	81.1	121.7
192	20.2	14.2	21.2





#40

Benzene

Concen: 33.833 ug/l

RT: 8.079 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022520.D

Acq: 03 Jun 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

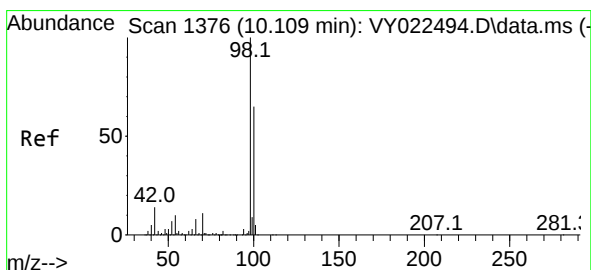
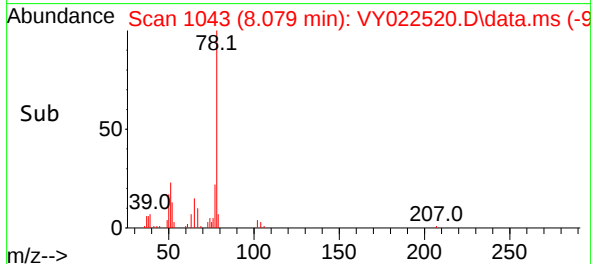
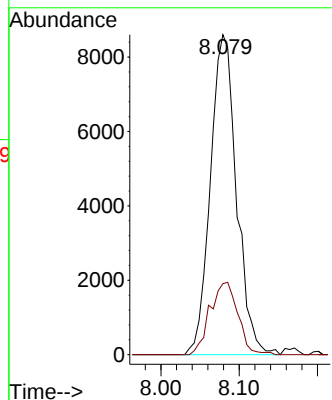
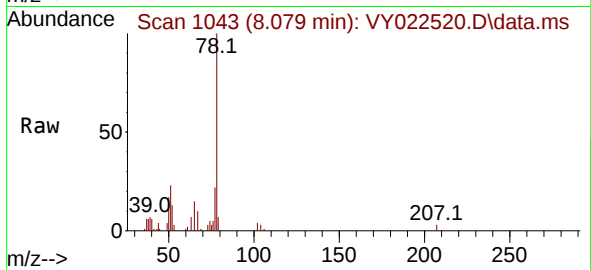
A3

Tgt Ion: 78 Resp: 19962

Ion Ratio Lower Upper

78 100

77 22.2 19.3 28.9



#50

Toluene-d8

Concen: 43.599 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022520.D

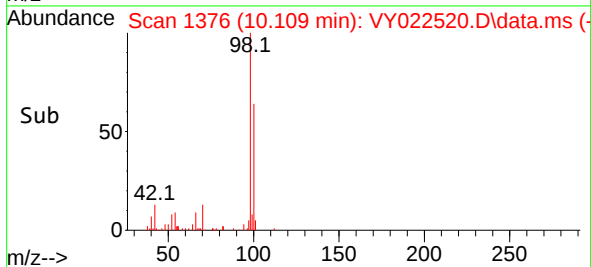
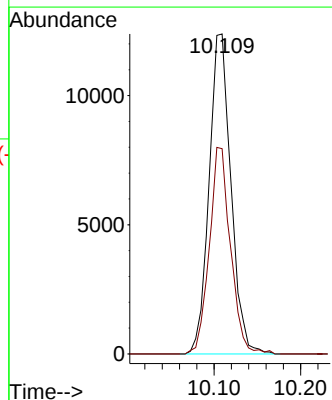
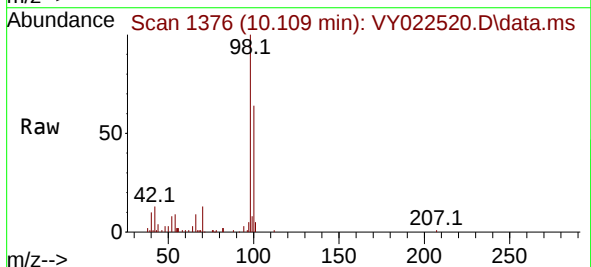
Acq: 03 Jun 2025 14:14

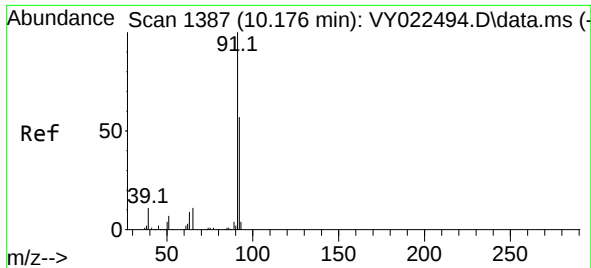
Tgt Ion: 98 Resp: 21683

Ion Ratio Lower Upper

98 100

100 62.7 51.4 77.0

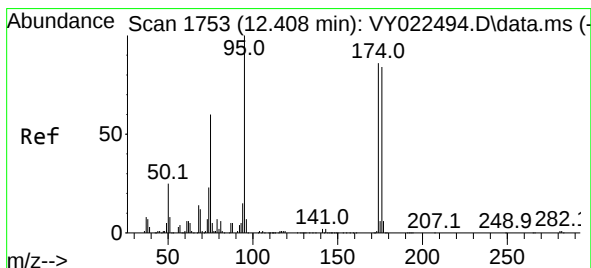
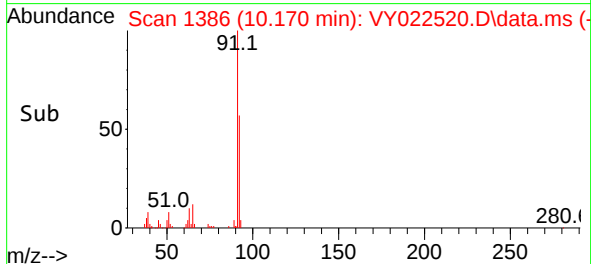
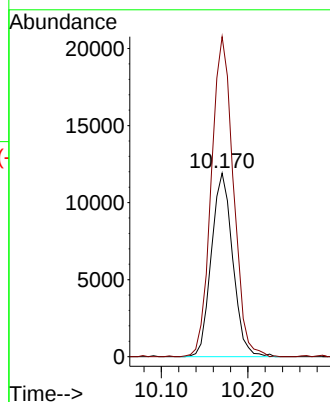
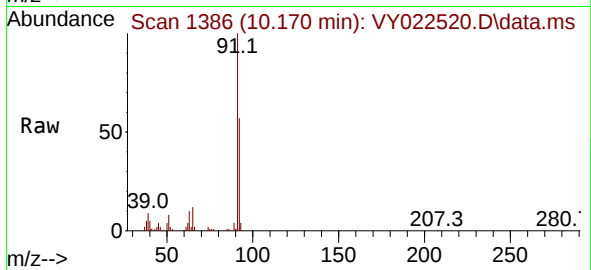




#52
Toluene
Concen: 54.962 ug/l
RT: 10.170 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

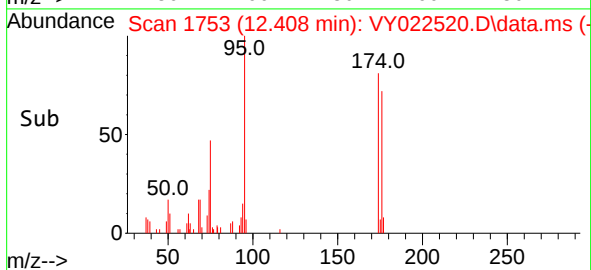
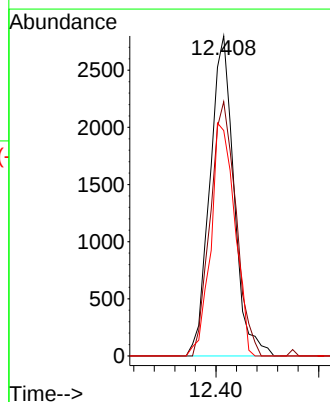
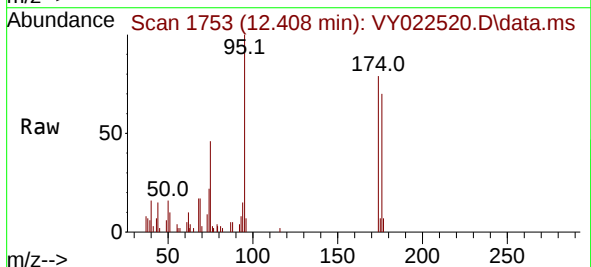
Instrument :
MSVOA_Y
ClientSampleId :
A3

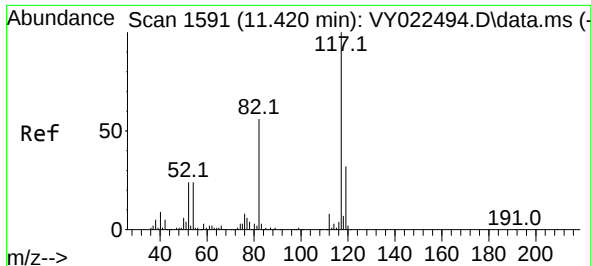
Tgt Ion: 92 Resp: 20379
Ion Ratio Lower Upper
92 100
91 180.5 139.0 208.4



#62
4-Bromofluorobenzene
Concen: 30.686 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 95 Resp: 4547
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.0
176 72.9 0.0 166.2

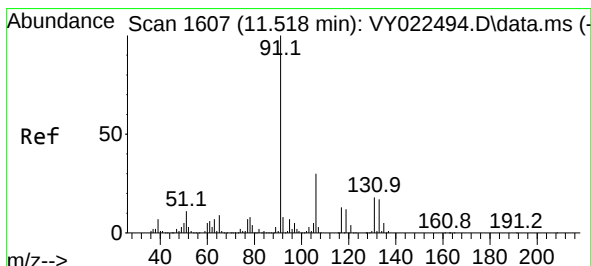
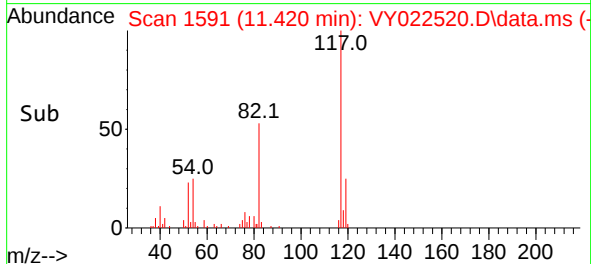
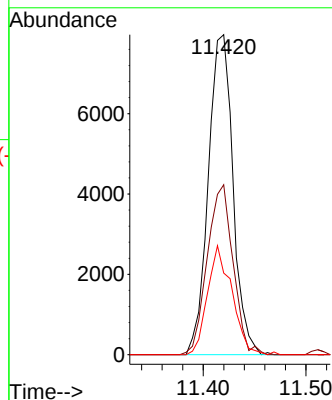
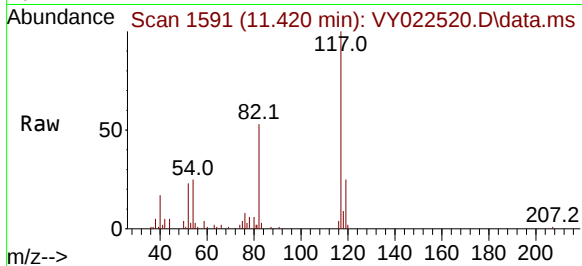




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

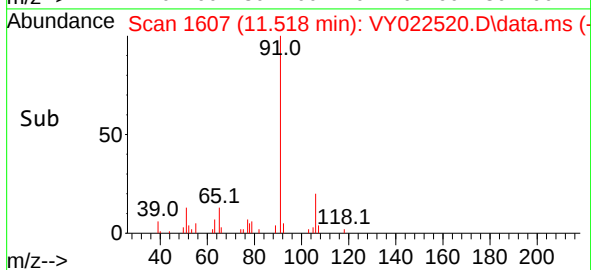
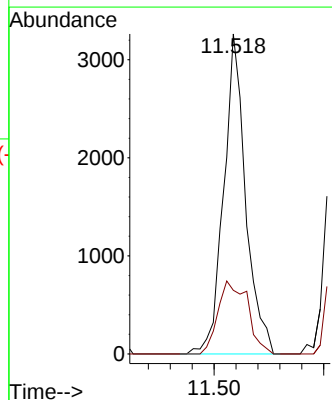
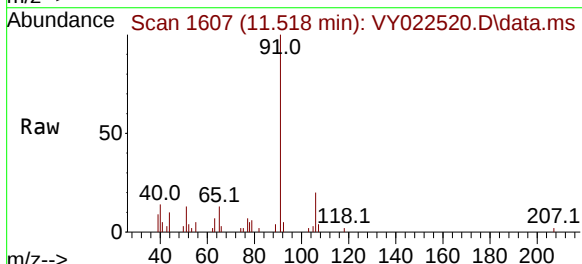
Instrument :
MSVOA_Y
ClientSampleId :
A3

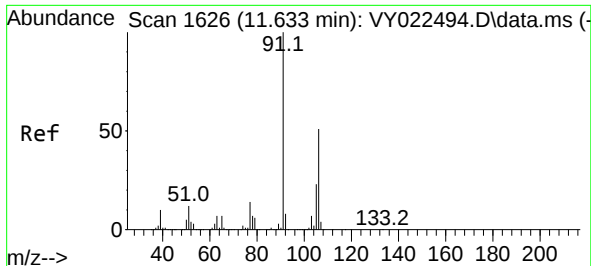
Tgt Ion:	117	Resp:	13291
Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.6	66.8
119	25.5	25.4	38.0



#67
Ethyl Benzene
Concen: 8.324 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:	91	Resp:	4541
Ion	Ratio	Lower	Upper
91	100		
106	19.9	24.2	36.4#

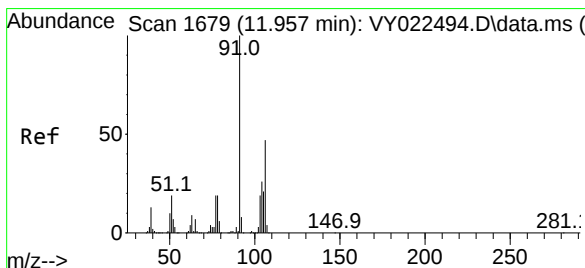
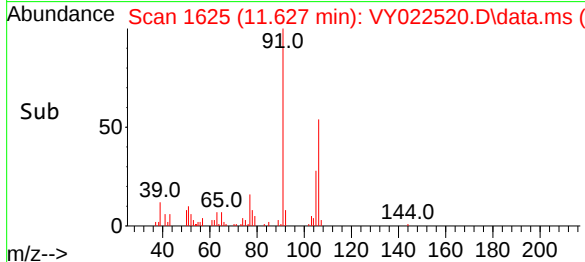
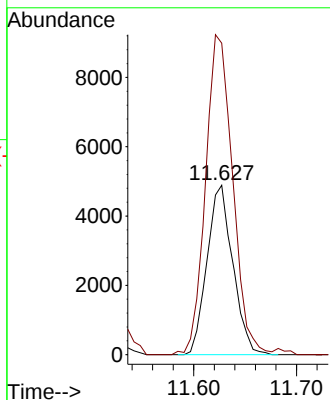
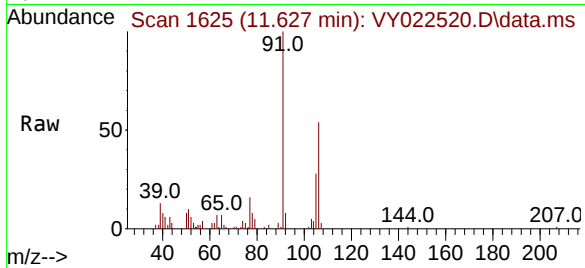




#68
m/p-Xylenes
Concen: 41.243 ug/l
RT: 11.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

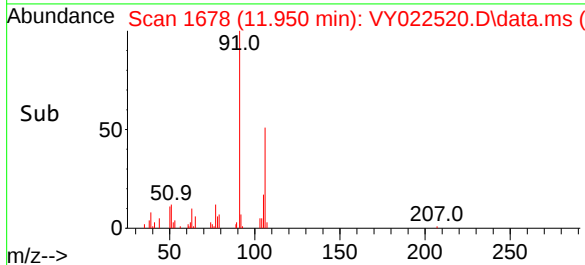
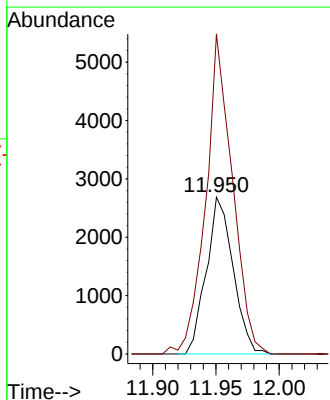
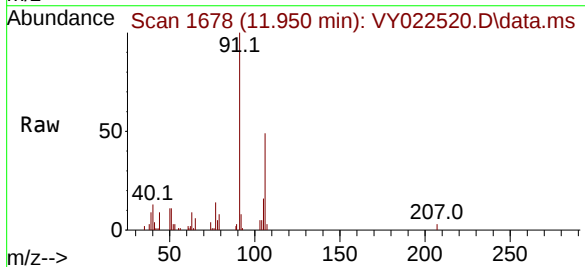
Instrument :
MSVOA_Y
ClientSampleId :
A3

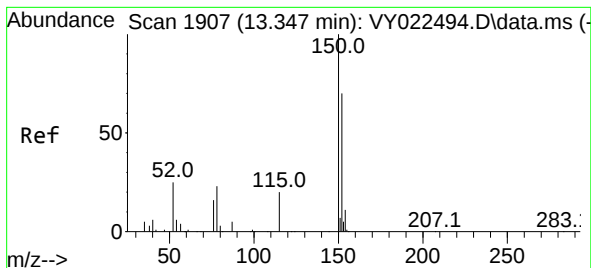
Tgt Ion:106 Resp: 8529
Ion Ratio Lower Upper
106 100
91 199.0 159.4 239.0



#69
o-Xylene
Concen: 20.414 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:106 Resp: 3958
Ion Ratio Lower Upper
106 100
91 203.1 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022520.D

Acq: 03 Jun 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

A3

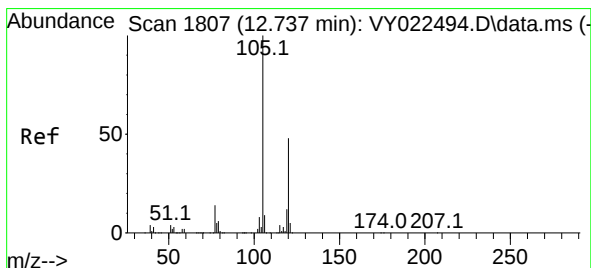
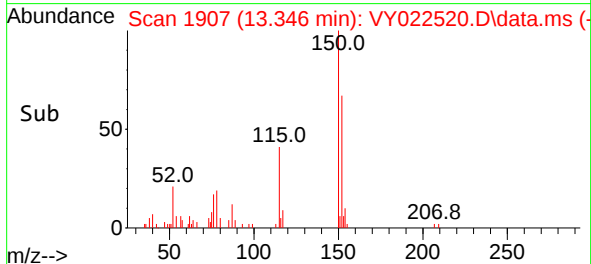
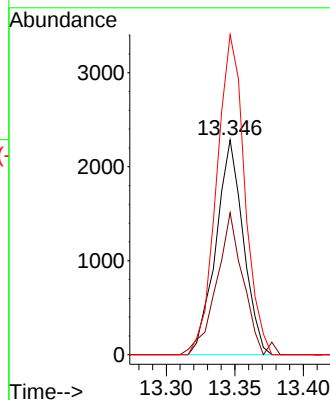
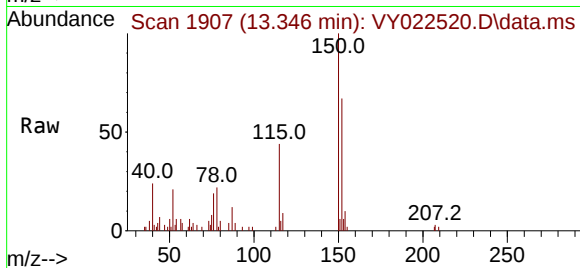
Tgt Ion:152 Resp: 3173

Ion Ratio Lower Upper

152 100

115 65.0 28.9 86.7

150 152.6 0.0 349.6



#80

1,3,5-Trimethylbenzene

Concen: 7.853 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VY022520.D

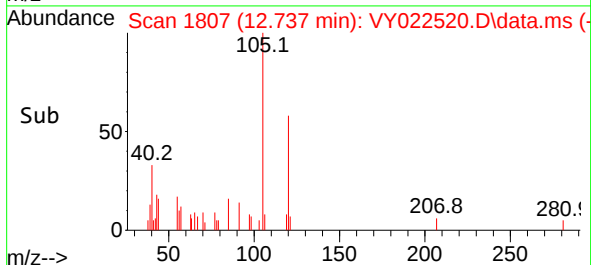
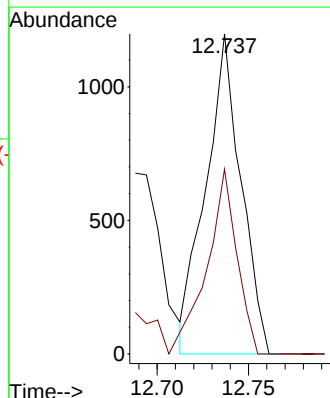
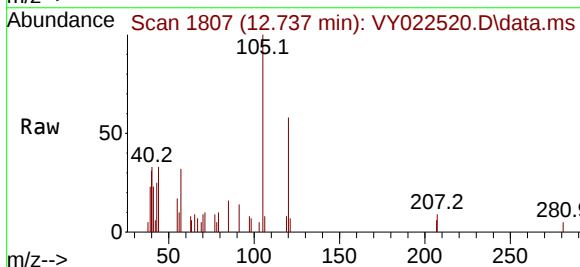
Acq: 03 Jun 2025 14:14

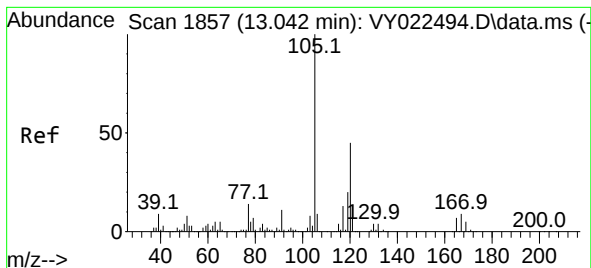
Tgt Ion:105 Resp: 1606

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 18.064 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022520.D

Acq: 03 Jun 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

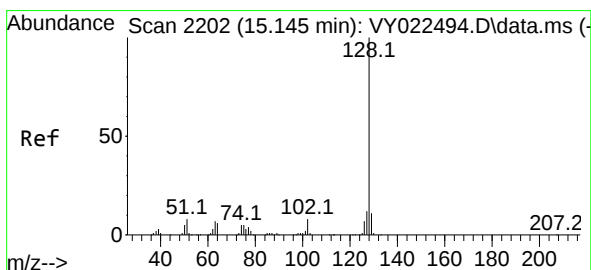
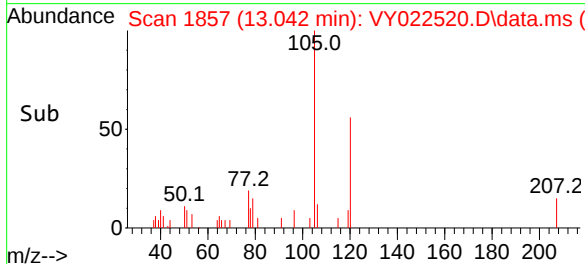
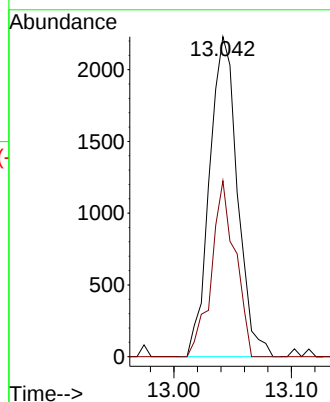
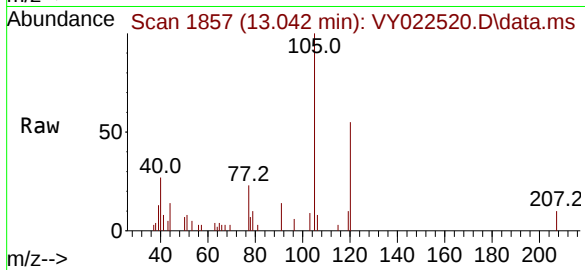
A3

Tgt Ion:105 Resp: 3695

Ion Ratio Lower Upper

105 100

120 46.6 22.7 68.1



#95

Naphthalene

Concen: 16.388 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY022520.D

Acq: 03 Jun 2025 14:14

Tgt Ion:128 Resp: 1622

Ion Ratio Lower Upper

128 100

127 21.1 10.4 15.6#

129 15.2 8.9 13.3#

