

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022798.D
 Acq On : 24 Jun 2025 15:29
 Operator : SY/MD
 Sample : Q2393-08
 Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -4

Quant Time: Jun 25 01:27:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

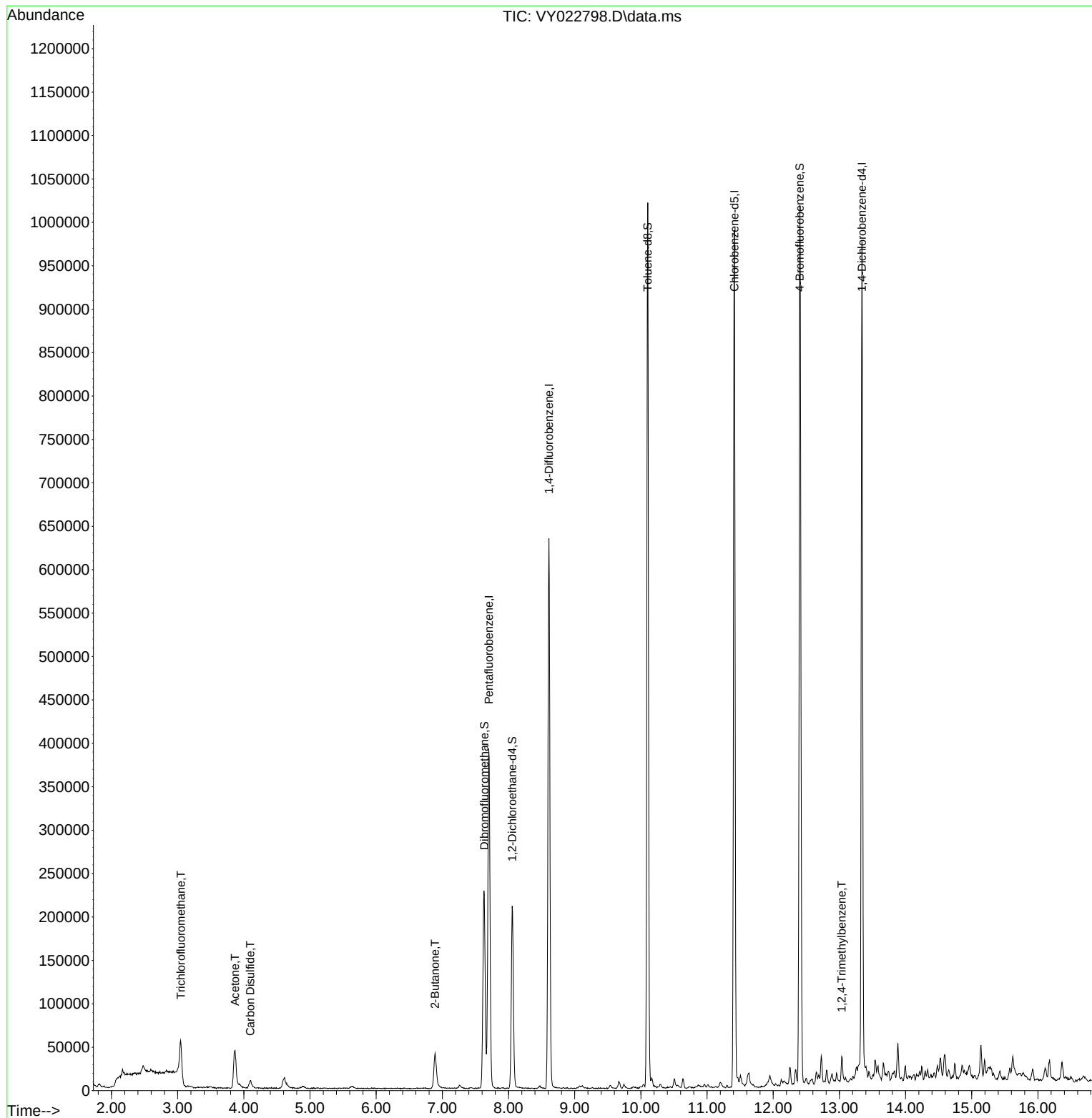
Internal Standards						
1) Pentafluorobenzene	7.701	168	301973	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	544282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	511623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	231837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	162465	48.205	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.400%
35) Dibromofluoromethane	7.634	113	161346	48.744	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.480%
50) Toluene-d8	10.103	98	650744	49.544	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.080%
62) 4-Bromofluorobenzene	12.401	95	233038	55.191	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.380%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.049	101	42970	6.300	ug/l	90
16) Acetone	3.866	43	78672	123.501	ug/l	98
17) Carbon Disulfide	4.098	76	15991	1.619	ug/l	99
25) 2-Butanone	6.890	43	67547	72.856	ug/l	94
84) 1,2,4-Trimethylbenzene	13.035	105	16174	1.167	ug/l	98

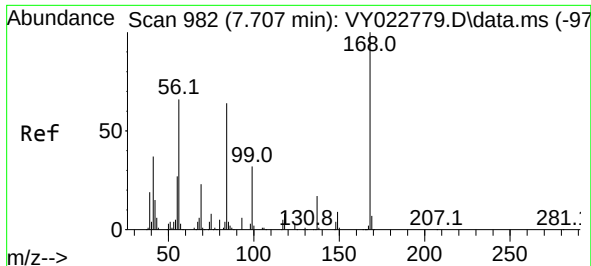
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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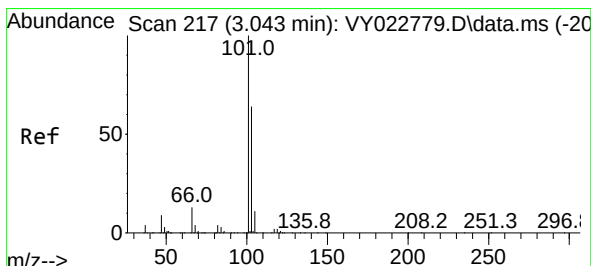
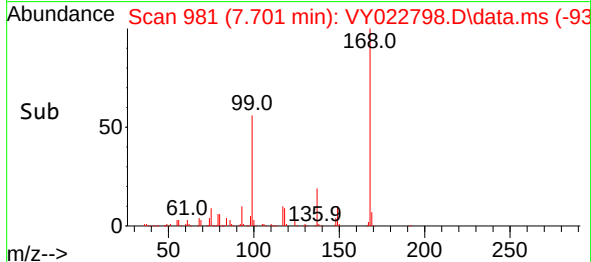
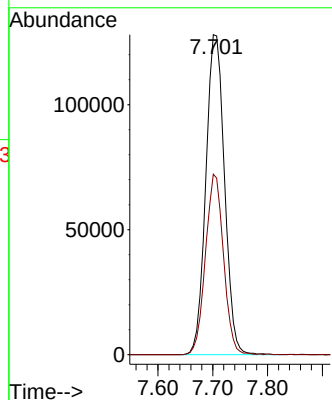
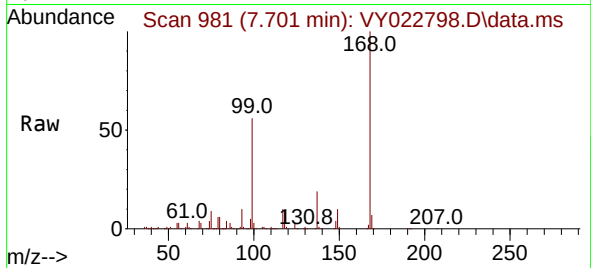




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

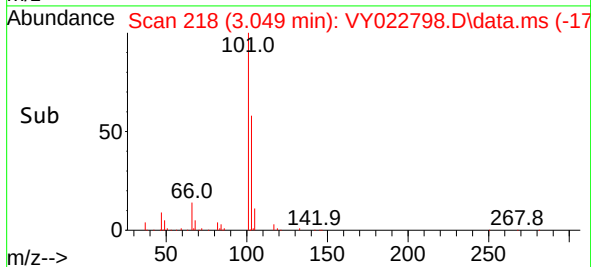
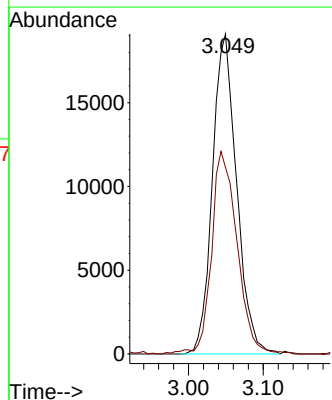
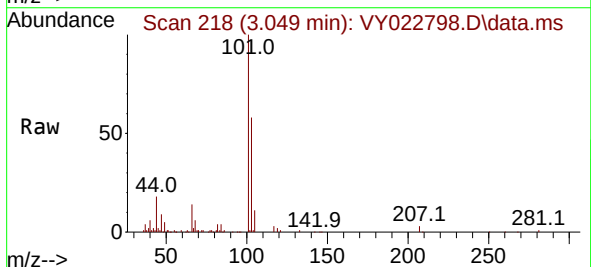
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

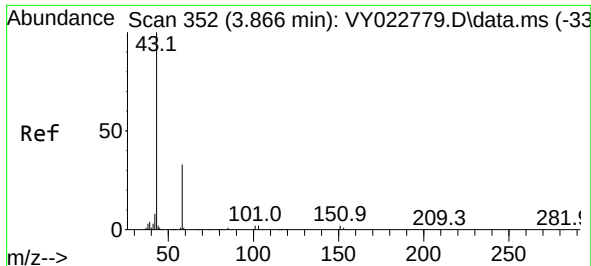
Tgt Ion:168 Resp: 301973
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#7
Trichlorofluoromethane
Concen: 6.300 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:101 Resp: 42970
Ion Ratio Lower Upper
101 100
103 57.6 52.2 78.2

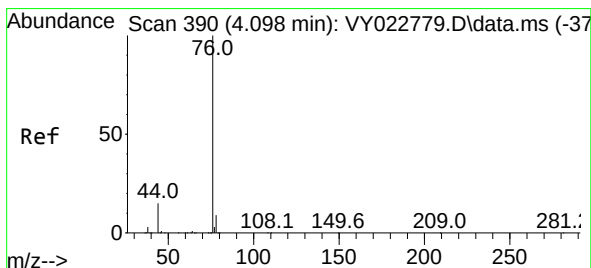
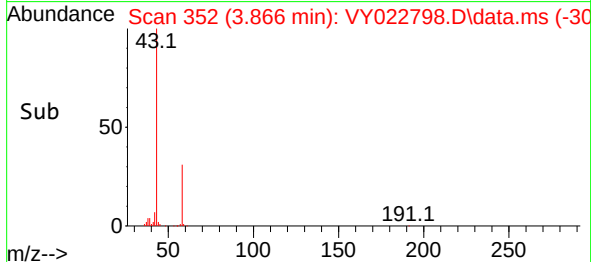
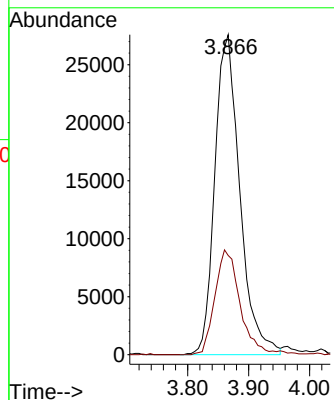
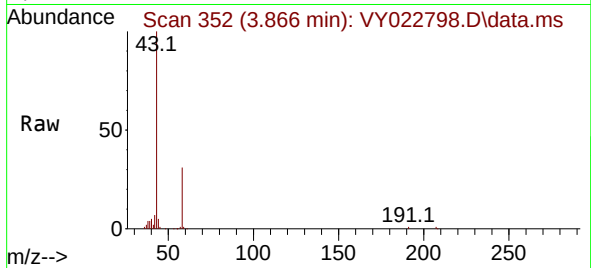




#16
Acetone
Concen: 123.501 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

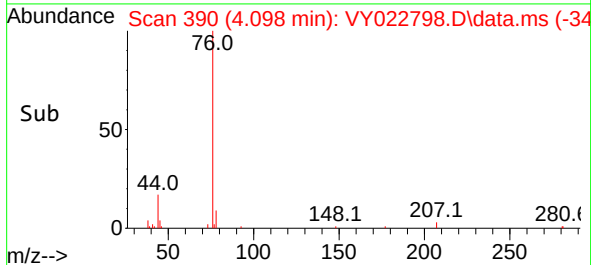
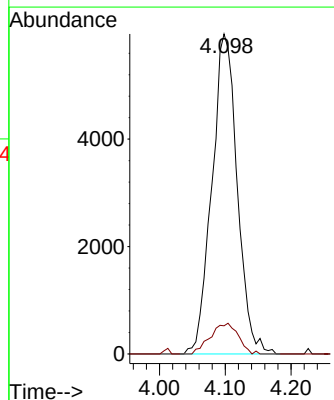
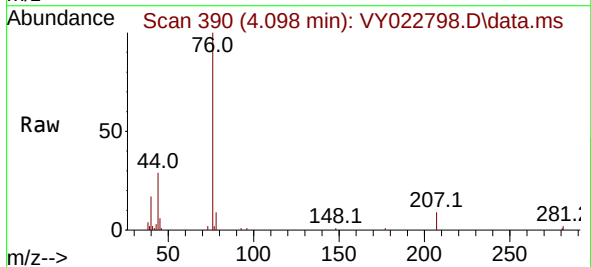
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

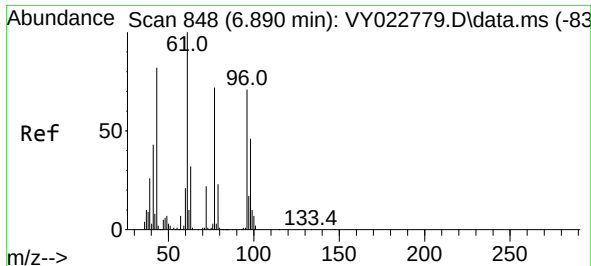
Tgt Ion: 43 Resp: 78672
Ion Ratio Lower Upper
43 100
58 31.0 24.0 36.0



#17
Carbon Disulfide
Concen: 1.619 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 76 Resp: 15991
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2





#25

2-Butanone

Concen: 72.856 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.012 min

Lab File: VY022798.D

Acq: 24 Jun 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

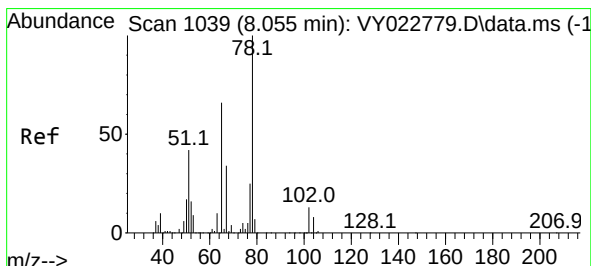
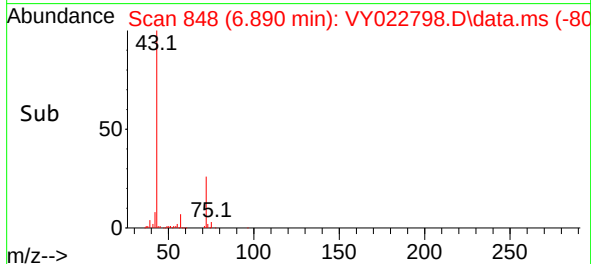
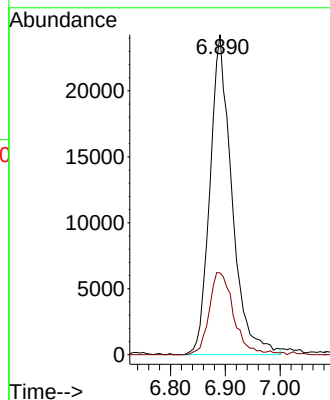
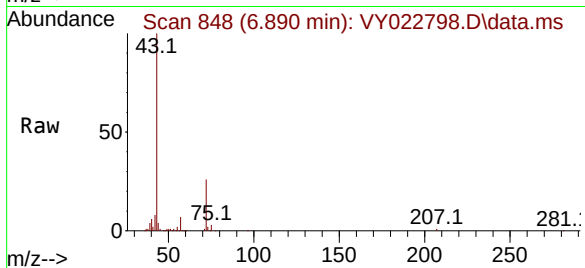
PARK AVE -4

Tgt Ion: 43 Resp: 67547

Ion Ratio Lower Upper

43 100

72 25.5 22.9 34.3



#33

1,2-Dichloroethane-d4

Concen: 48.205 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022798.D

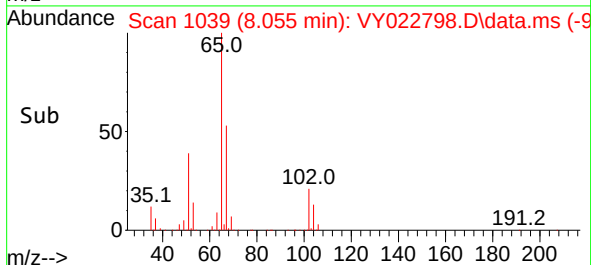
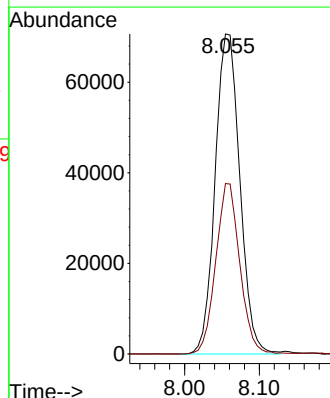
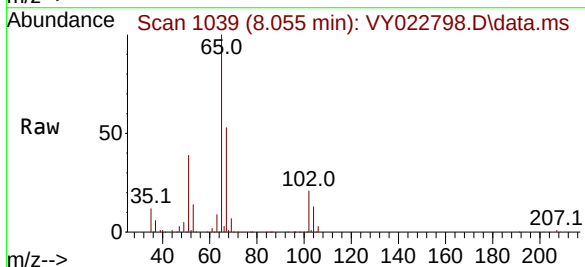
Acq: 24 Jun 2025 15:29

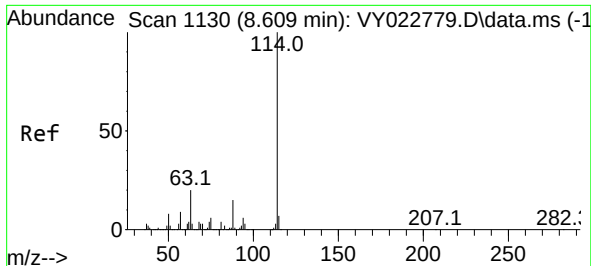
Tgt Ion: 65 Resp: 162465

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4

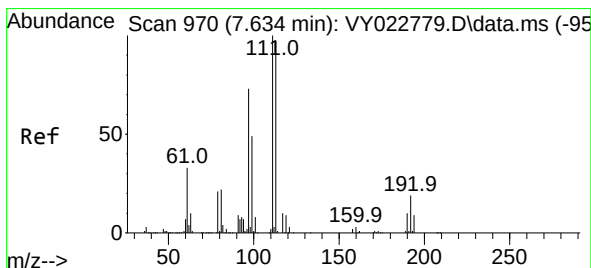
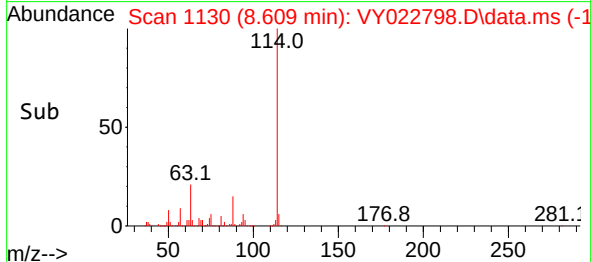
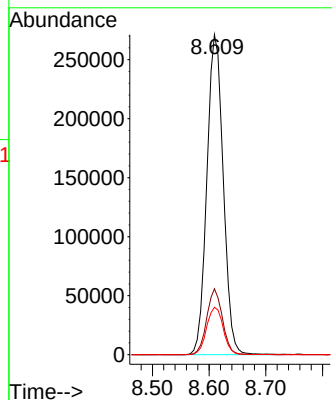
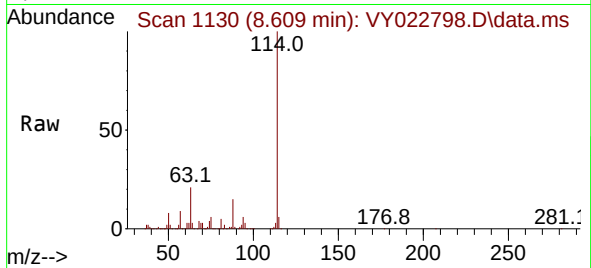




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

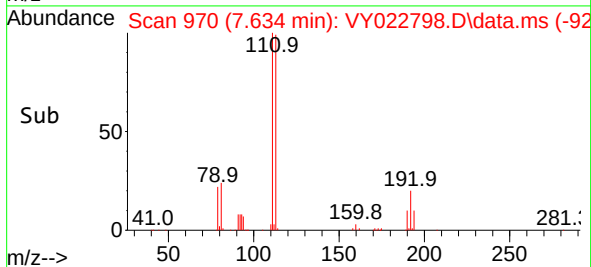
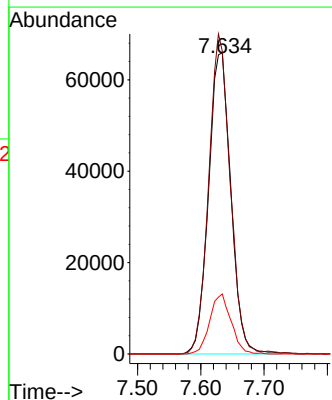
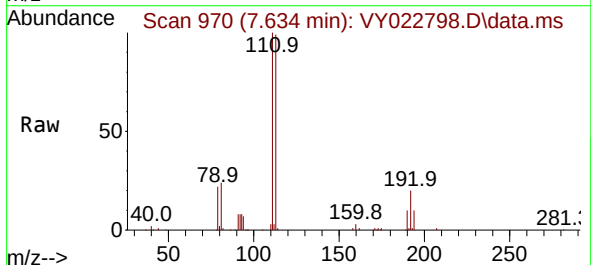
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

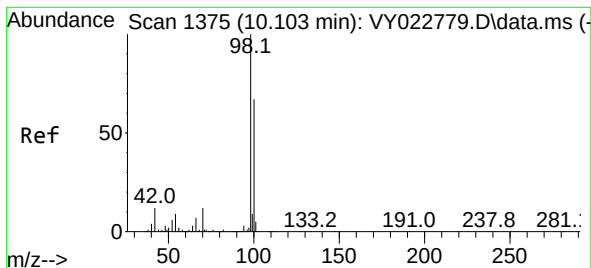
Tgt Ion:114 Resp: 544282
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 48.744 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:113 Resp: 161346
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.0 14.2 21.2





#50

Toluene-d8

Concen: 49.544 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022798.D

Acq: 24 Jun 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

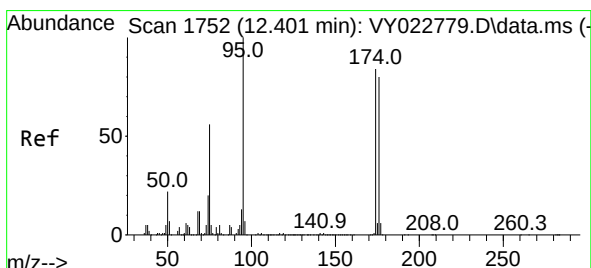
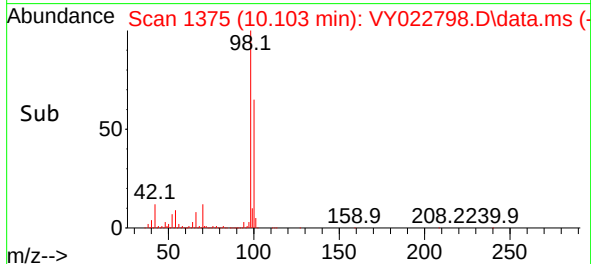
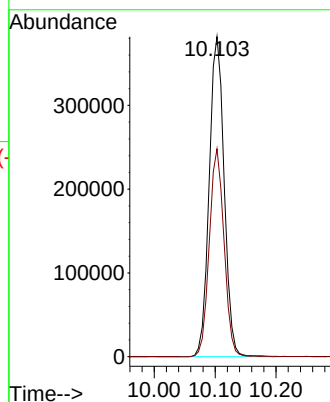
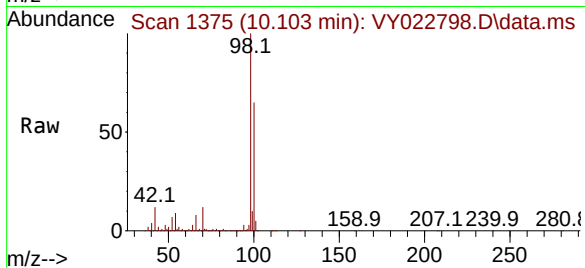
PARK AVE -4

Tgt Ion: 98 Resp: 650744

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 55.191 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022798.D

Acq: 24 Jun 2025 15:29

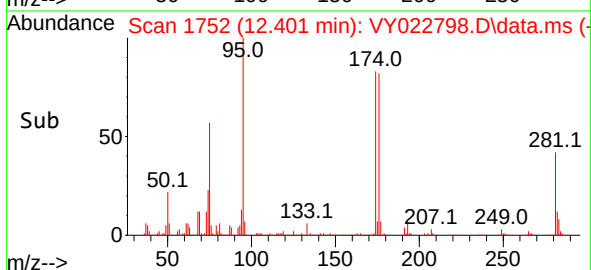
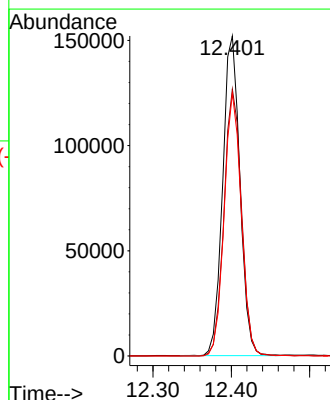
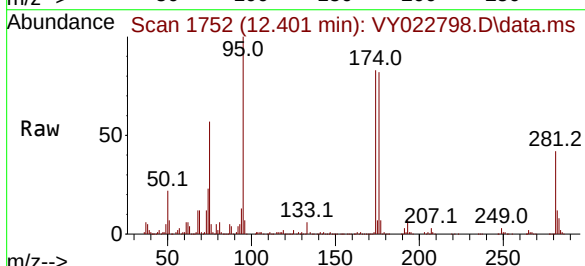
Tgt Ion: 95 Resp: 233038

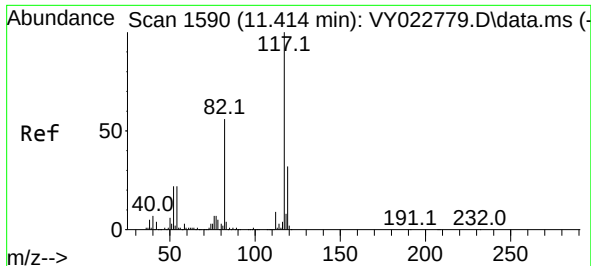
Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.0

176 81.6 0.0 166.2

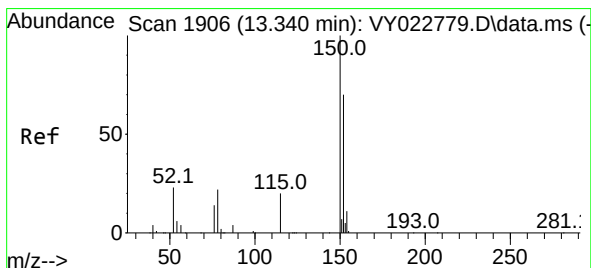
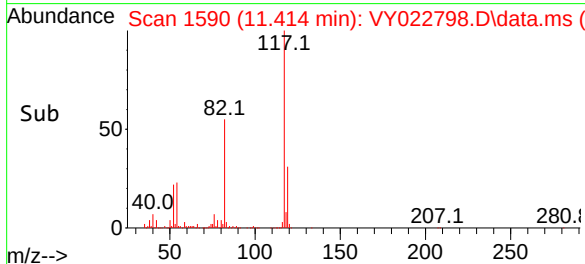
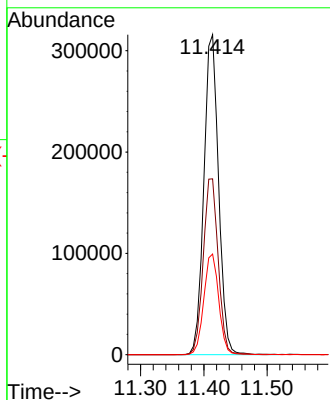
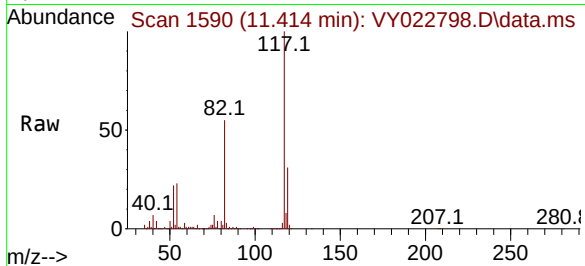




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

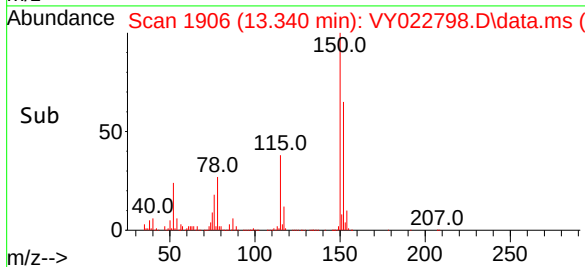
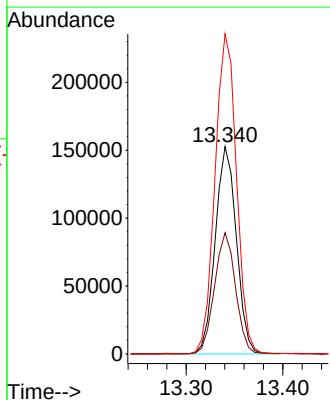
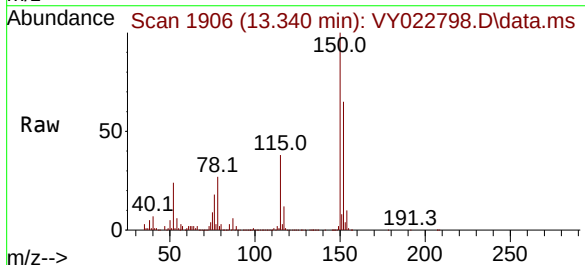
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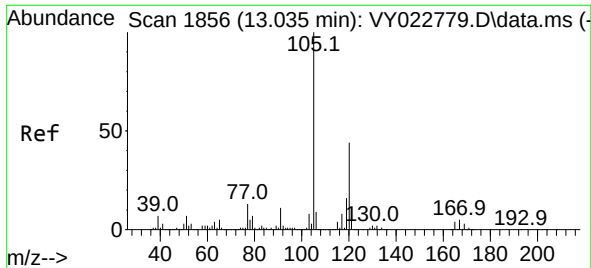
Tgt Ion:117 Resp: 511623
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:152 Resp: 231837
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.7
150 156.8 0.0 349.6





#84
 1,2,4-Trimethylbenzene
 Concen: 1.167 ug/l
 RT: 13.035 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY022798.D
 Acq: 24 Jun 2025 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -4

Tgt Ion:105 Resp: 16174
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.7 68.1

