

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)

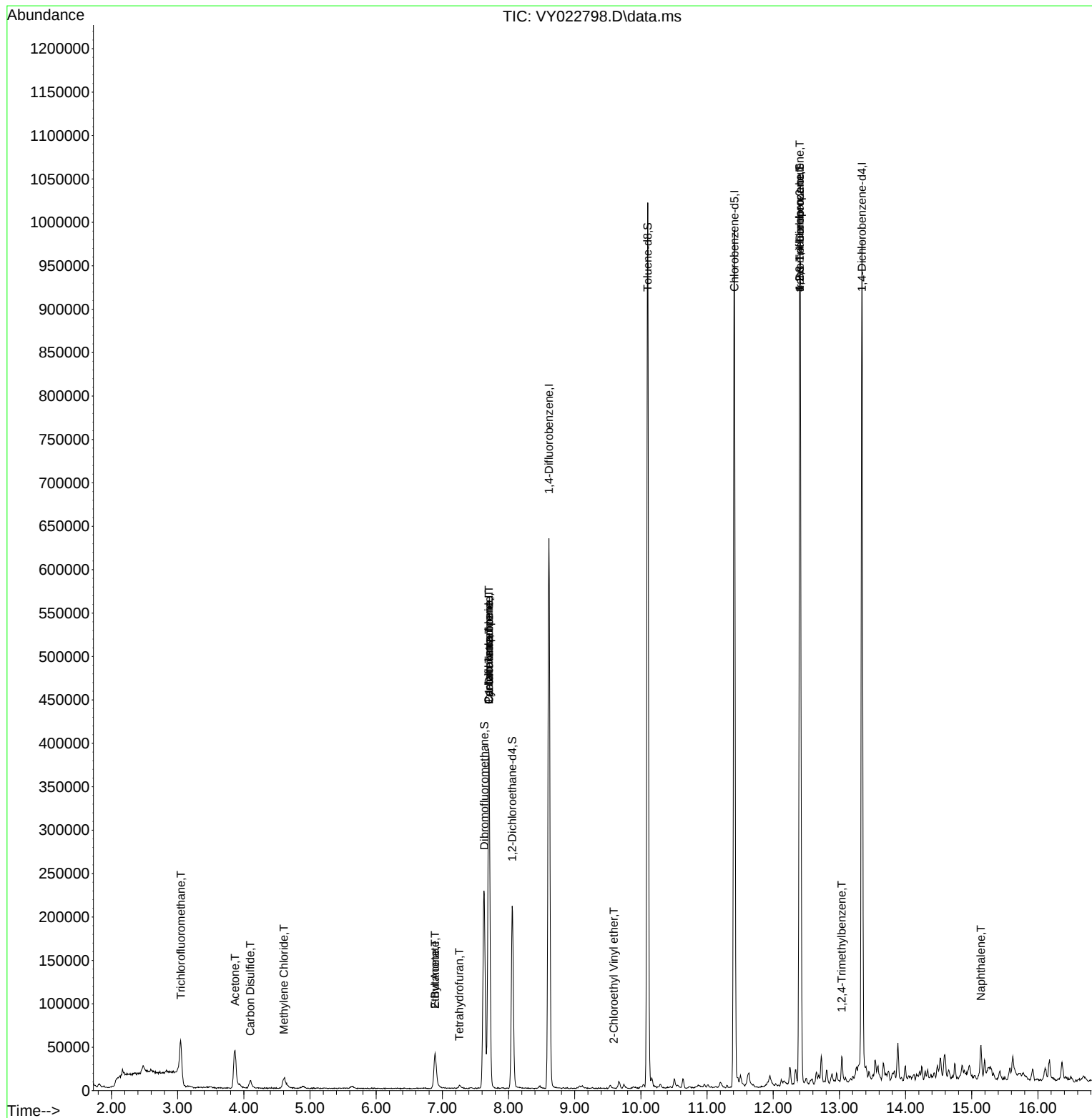
Internal Standards						
1) Pentafluorobenzene	7.701	168	301973	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	544282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	511623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	231837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
20) Methylene Chloride	4.604	84	8548	2.125	ug/l	88
25) 2-Butanone	6.890	43	67547	72.856	ug/l	94
29) Tetrahydrofuran	7.256	42	2692	4.598	ug/l	98
31) Cyclohexane	7.701	56	7921	1.368	ug/l #	54
36) 1,1-Dichloropropene	7.701	75	25184	5.019	ug/l #	42
37) Ethyl Acetate	6.890	43	67547	31.199	ug/l #	69
38) Carbon Tetrachloride	7.701	117	30894	5.836	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.591	63	26	15.668	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	133238	56.293	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	133238	142.219	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.035	105	16174	1.167	ug/l	98
95) Naphthalene	15.139	128	28559	4.067	ug/l	97

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

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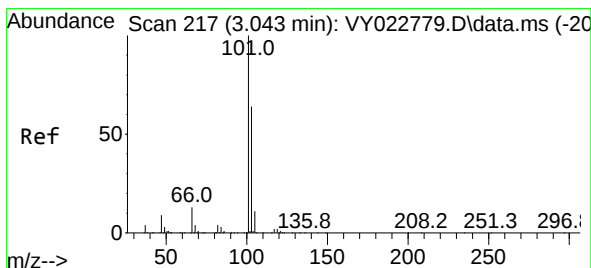
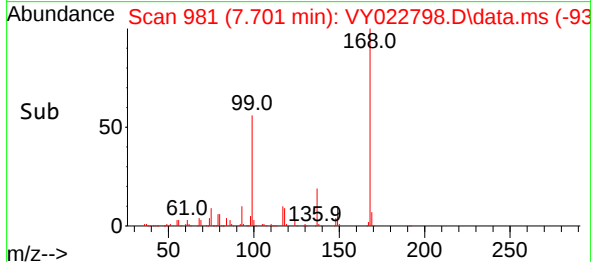
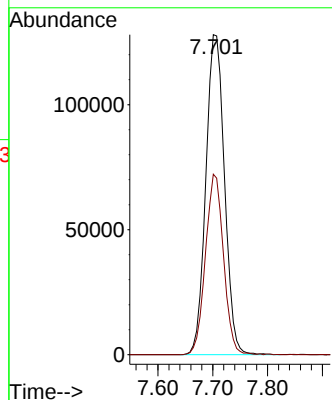
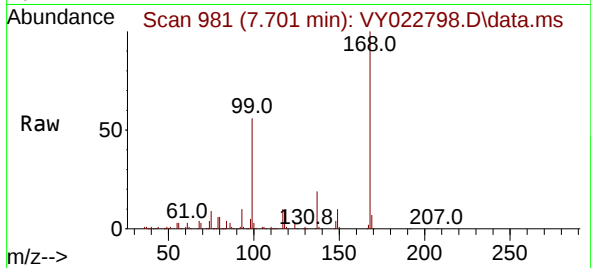




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

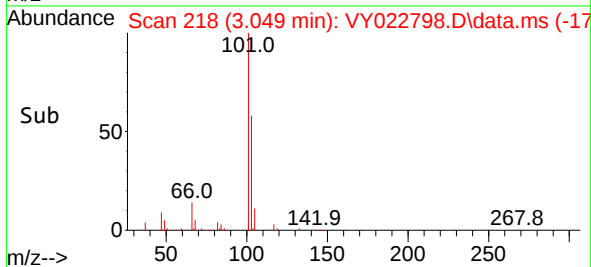
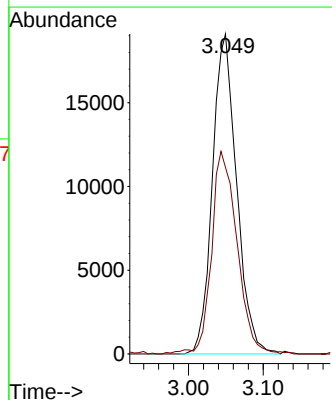
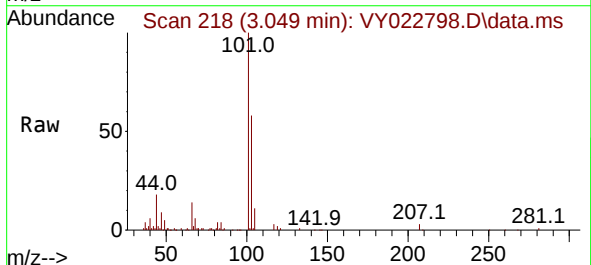
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

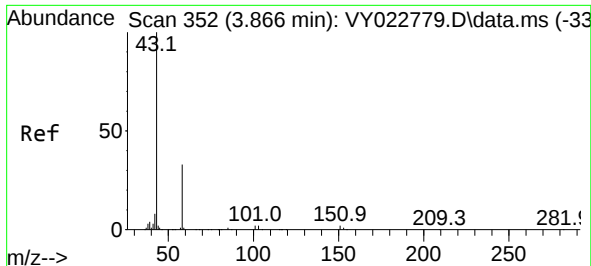
Tgt Ion:168 Resp: 301973
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#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

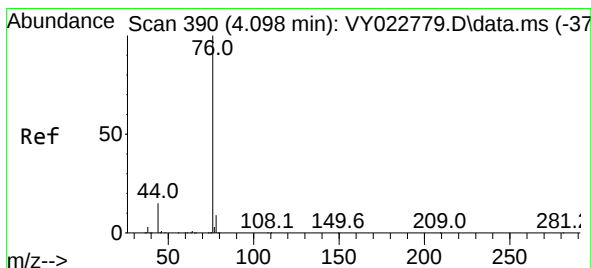
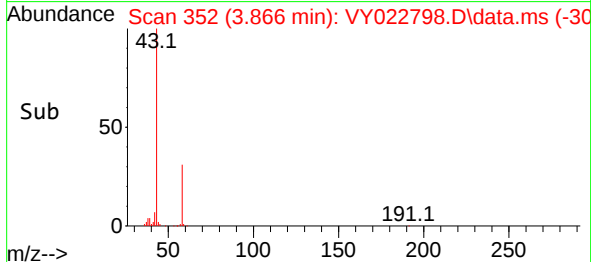
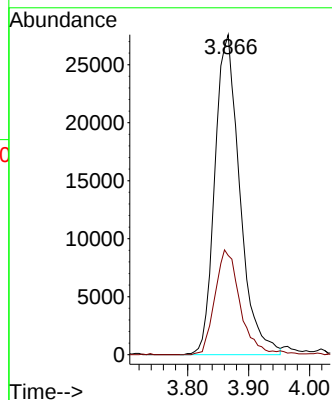
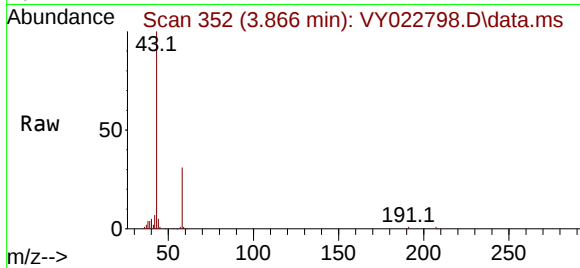




#16
Acetone
Concen: 123.501 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

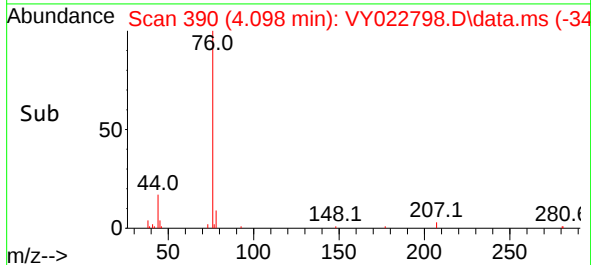
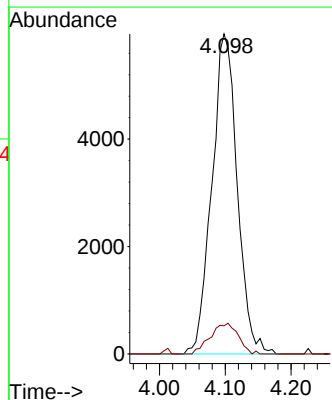
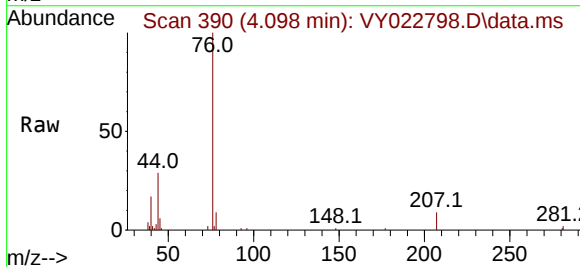
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

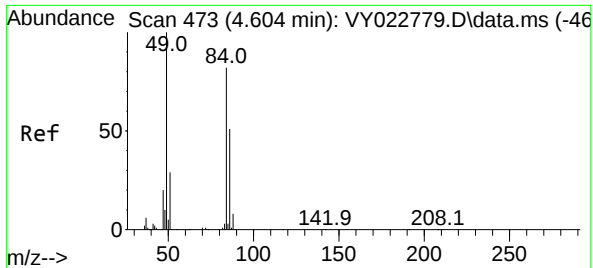
Tgt Ion: 43 Resp: 78672
Ion Ratio Lower Upper
43 100
58 31.0 24.0 36.0



#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

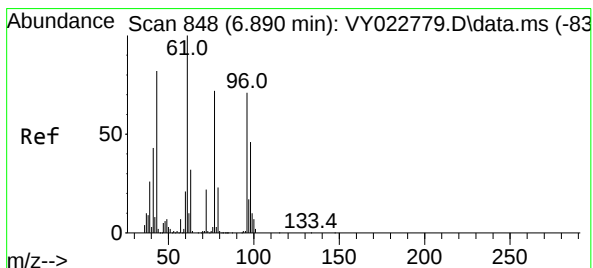
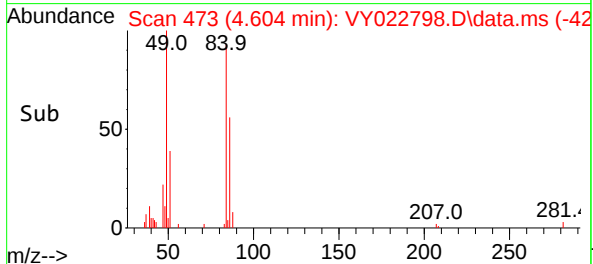
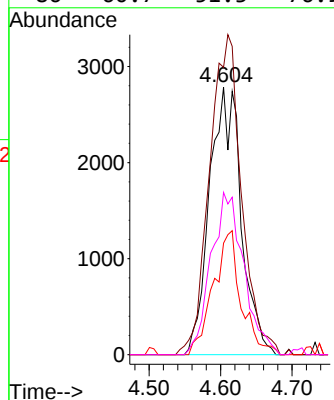
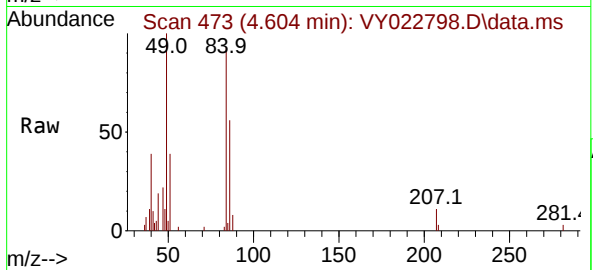




#20
Methylene Chloride
Concen: 2.125 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

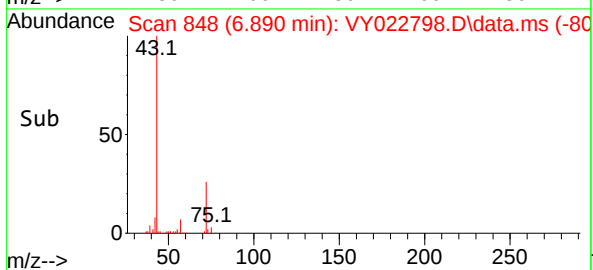
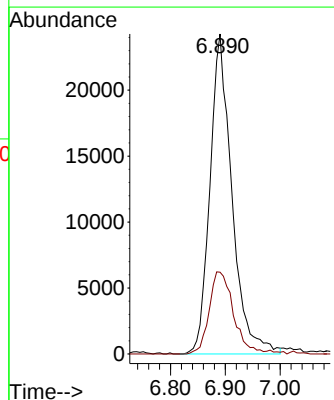
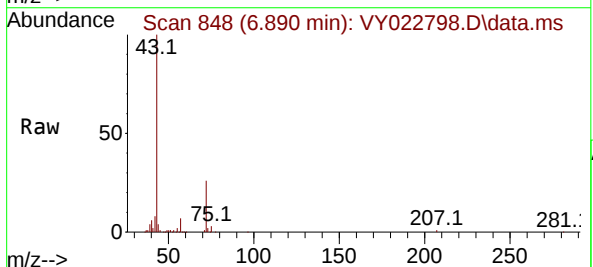
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

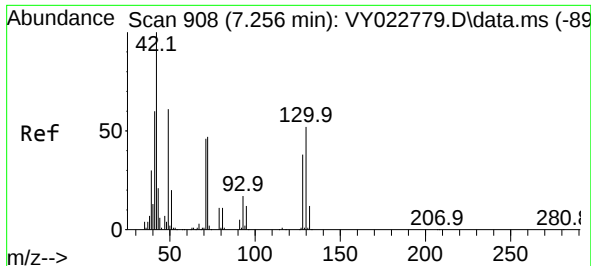
Tgt Ion:	84	Resp:	8548
Ion	Ratio	Lower	Upper
84	100		
49	107.4	101.9	152.9
51	41.7	29.8	44.8
86	60.7	51.3	76.9



#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

Tgt Ion:	43	Resp:	67547
Ion	Ratio	Lower	Upper
43	100		
72	25.5	22.9	34.3





#29

Tetrahydrofuran

Concen: 4.598 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.012 min

Lab File: VY022798.D

Acq: 24 Jun 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -4

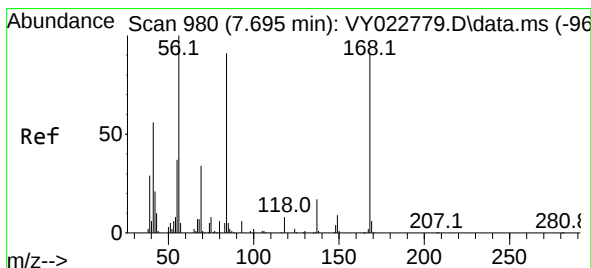
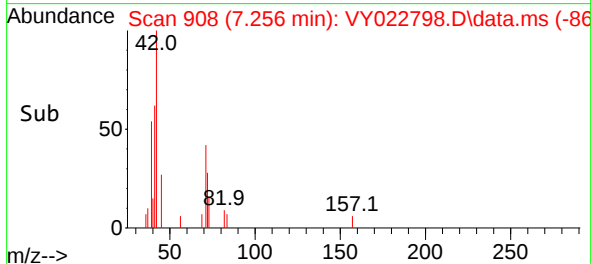
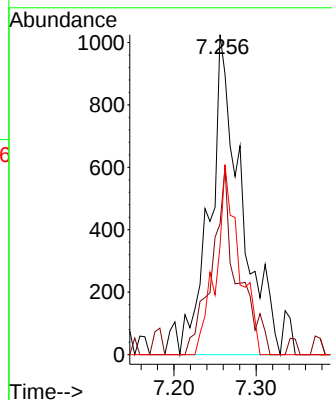
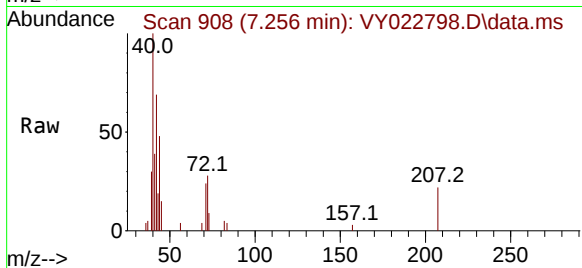
Tgt Ion: 42 Resp: 2692

Ion Ratio Lower Upper

42 100

72 47.8 37.4 56.2

71 44.5 34.2 51.2



#31

Cyclohexane

Concen: 1.368 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022798.D

Acq: 24 Jun 2025 15:29

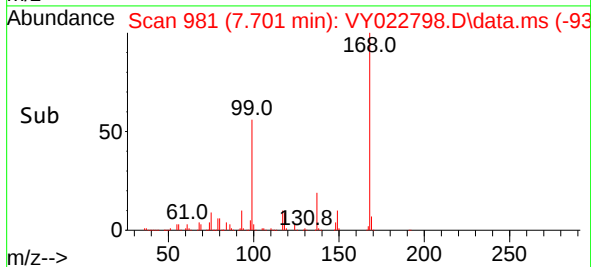
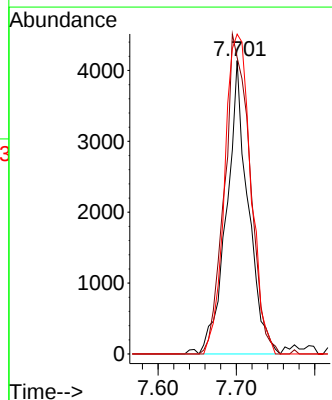
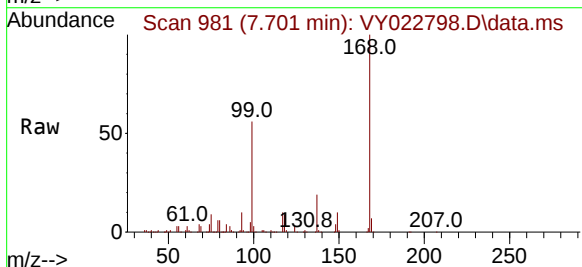
Tgt Ion: 56 Resp: 7921

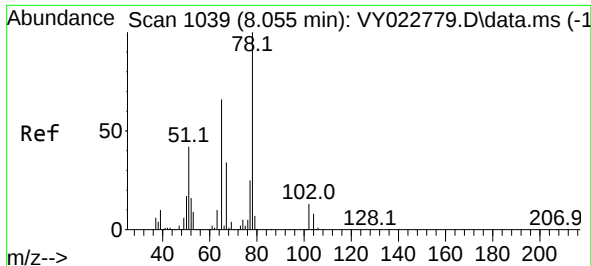
Ion Ratio Lower Upper

56 100

69 101.0 27.0 40.6#

84 109.0 72.6 109.0#

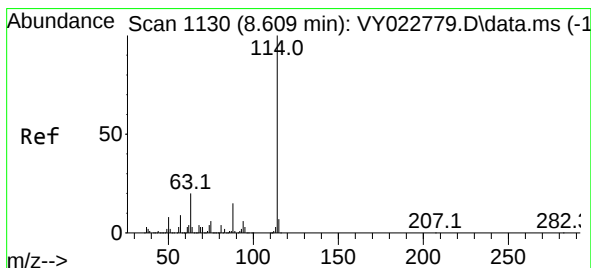
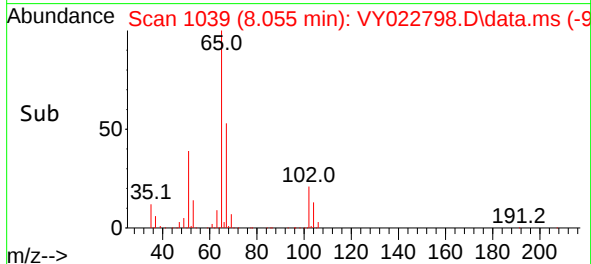
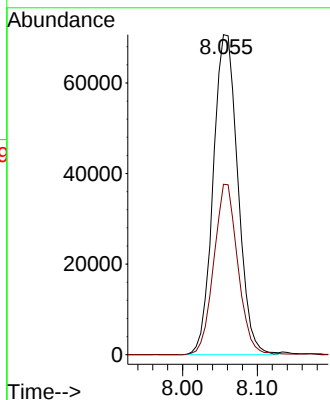
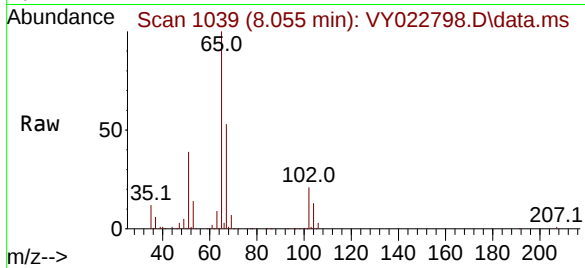




#33
 1,2-Dichloroethane-d4
 Concen: 48.205 ug/l
 RT: 8.055 min Scan# 1039
 Delta R.T. -0.012 min
 Lab File: VY022798.D
 Acq: 24 Jun 2025 15:29

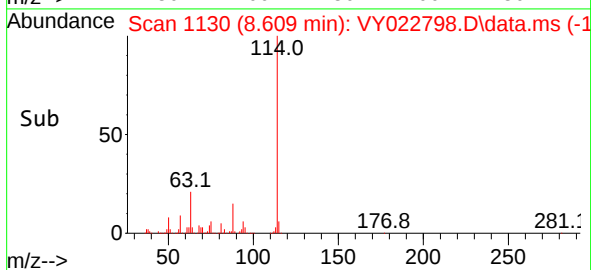
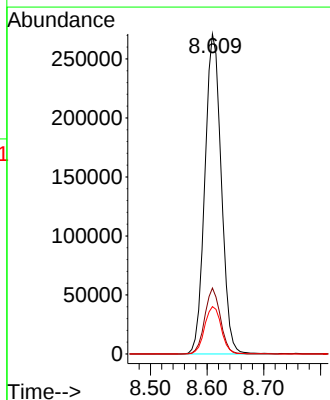
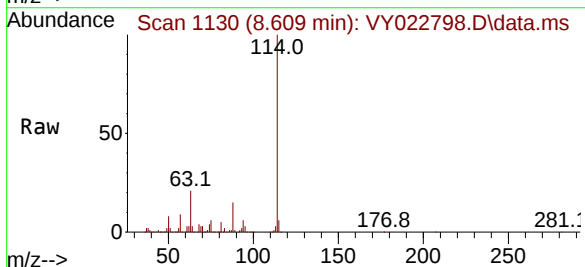
Instrument :
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 PARK AVE -4

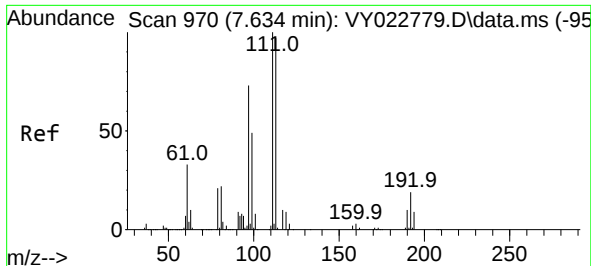
Tgt Ion: 65 Resp: 162465
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.4



#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

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

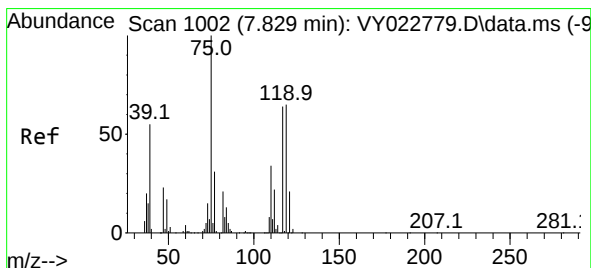
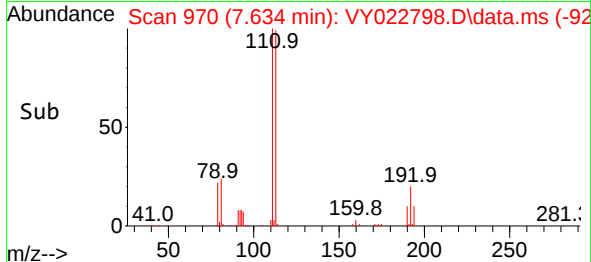
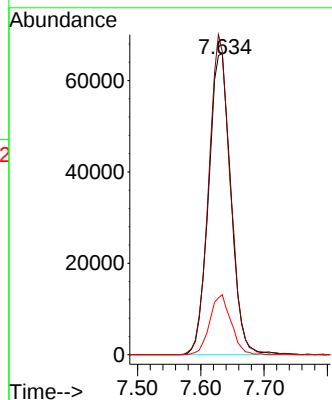
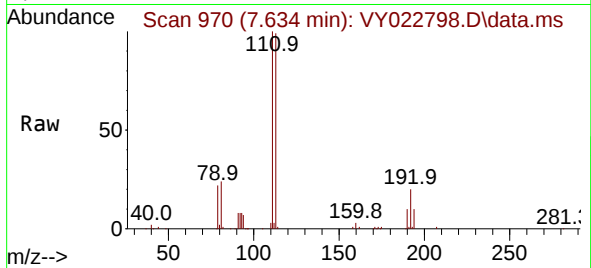




#35
Dibromofluoromethane
Concen: 48.744 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

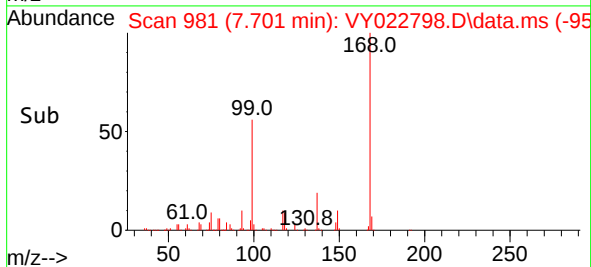
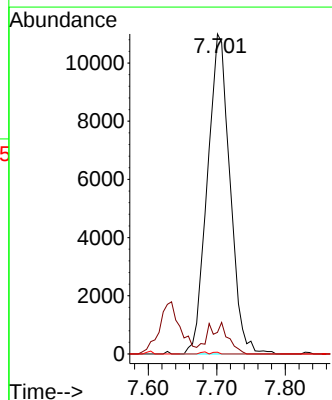
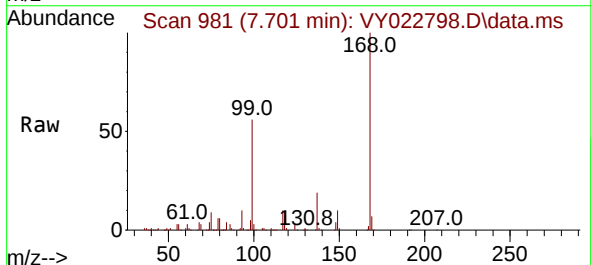
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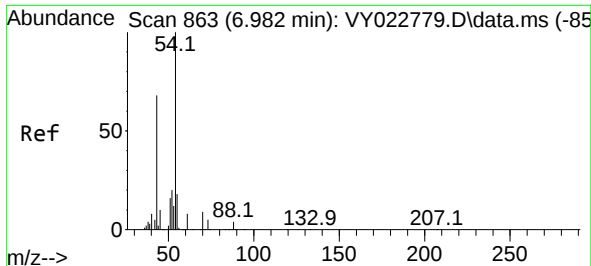
Tgt Ion:113 Resp: 161346
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.019 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 75 Resp: 25184
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.2 24.8 37.2#





#37

Ethyl Acetate

Concen: 31.199 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY022798.D

Acq: 24 Jun 2025 15:29

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -4

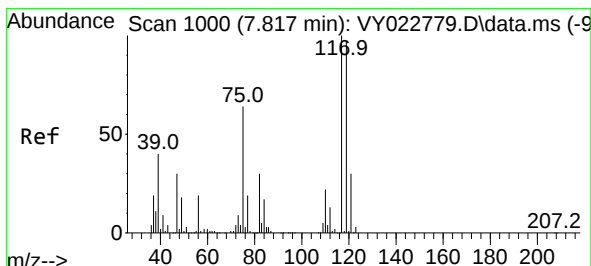
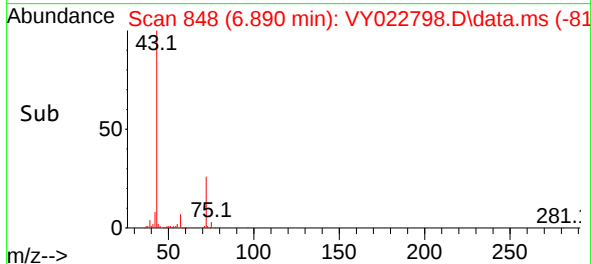
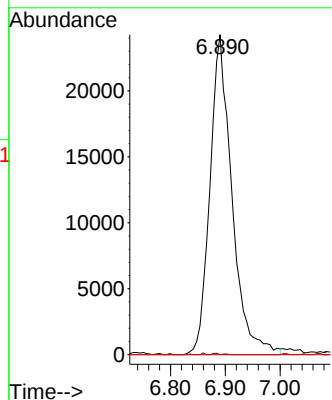
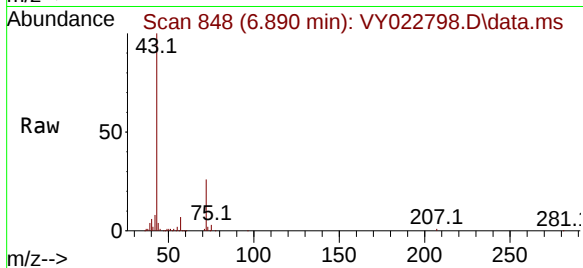
Tgt Ion: 43 Resp: 67547

Ion Ratio Lower Upper

43 100

61 0.1 11.5 17.3#

70 0.1 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 5.836 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022798.D

Acq: 24 Jun 2025 15:29

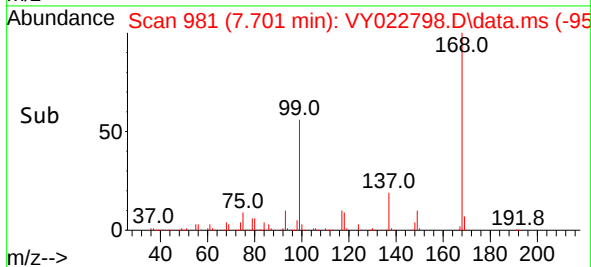
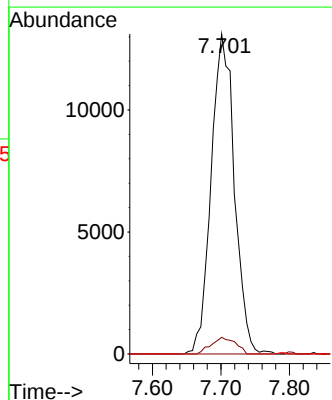
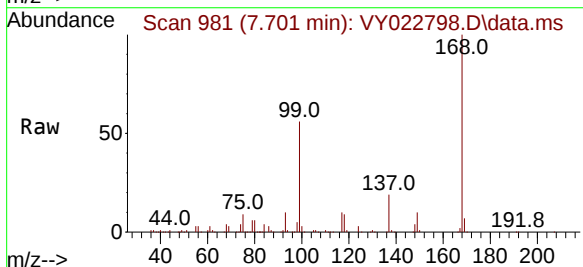
Tgt Ion: 117 Resp: 30894

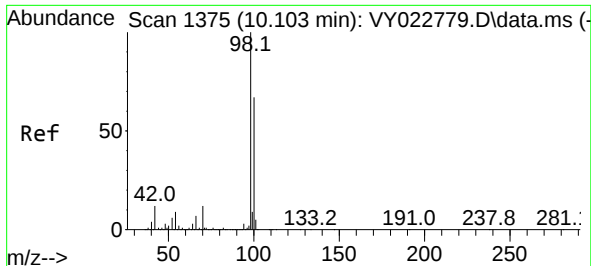
Ion Ratio Lower Upper

117 100

119 5.2 75.0 112.6#

121 0.0 25.0 37.4#

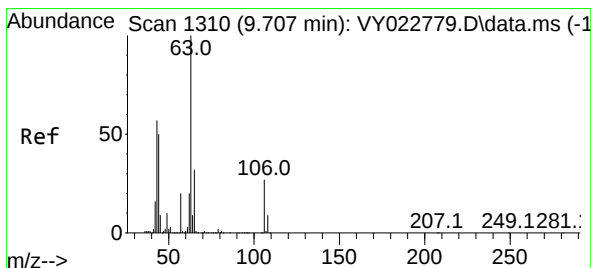
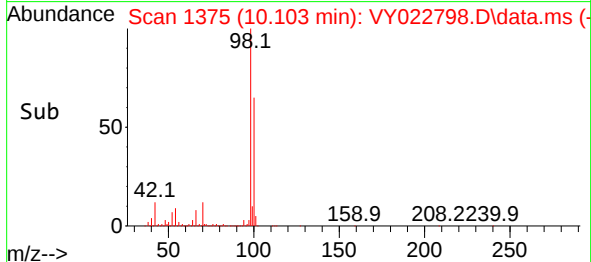
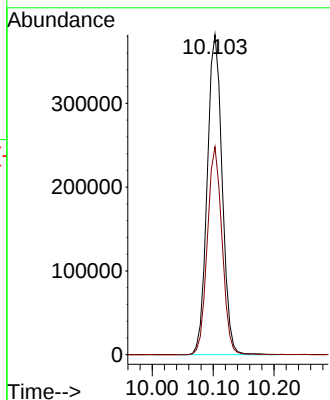
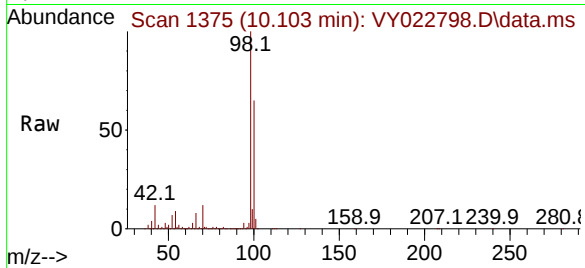




#50
Toluene-d8
Concen: 49.544 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

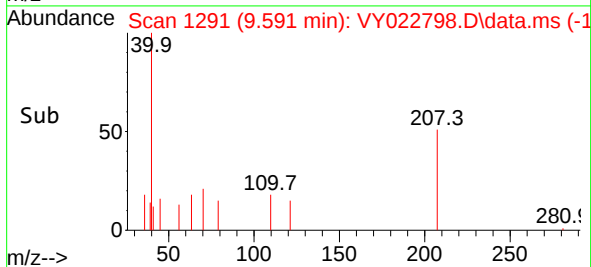
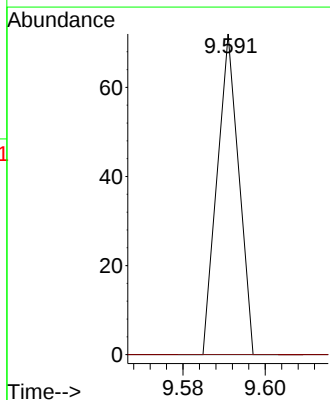
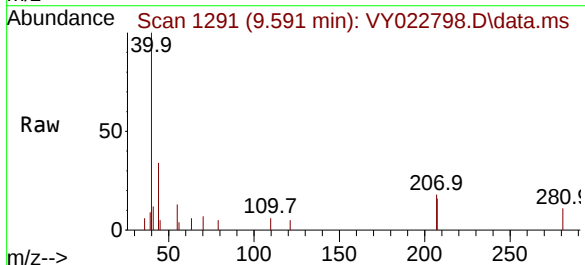
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

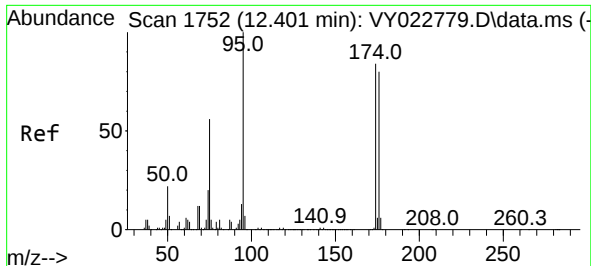
Tgt Ion: 98 Resp: 650744
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.668 ug/l
RT: 9.591 min Scan# 1291
Delta R.T. -0.122 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

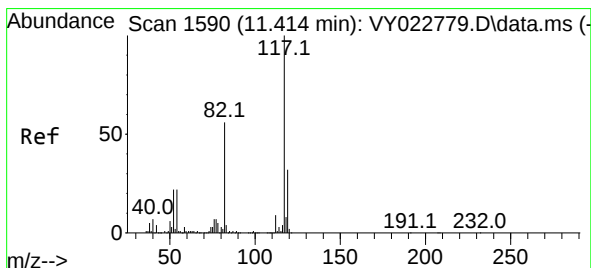
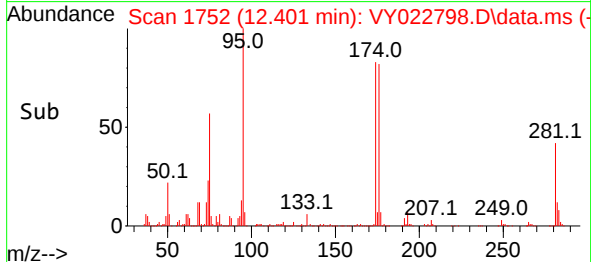
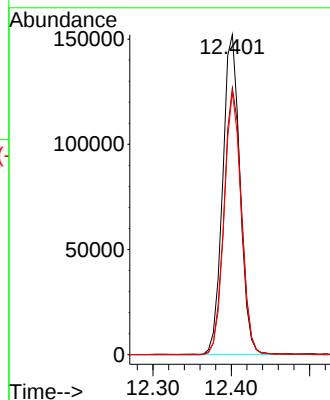
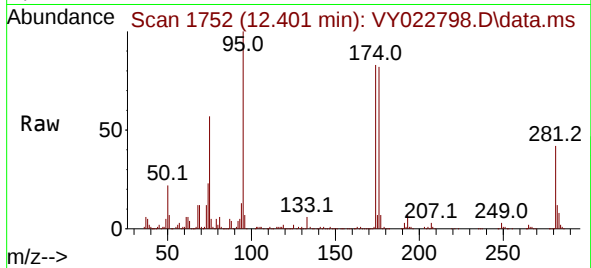




#62
4-Bromofluorobenzene
Concen: 55.191 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

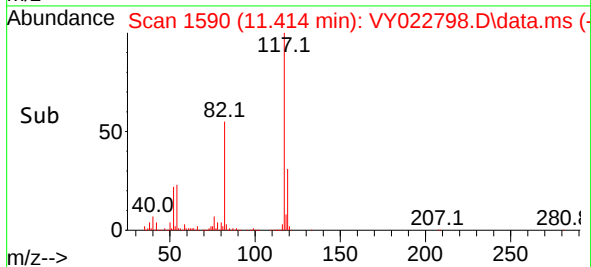
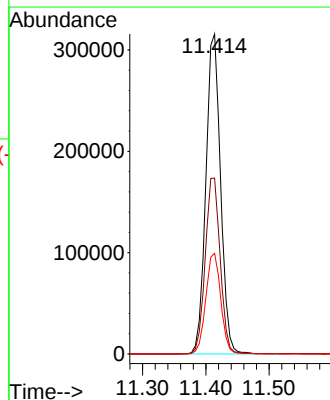
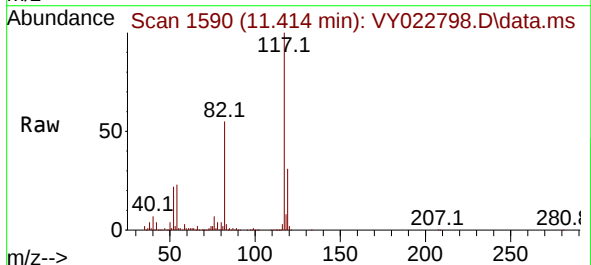
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

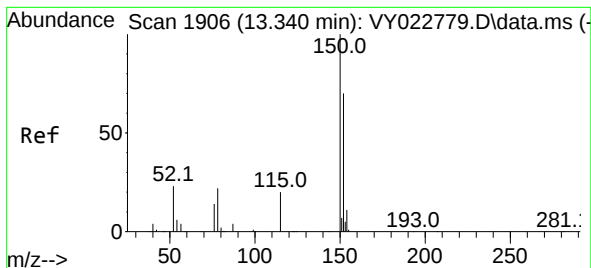
Tgt Ion: 95 Resp: 233038
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 81.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

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

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -4

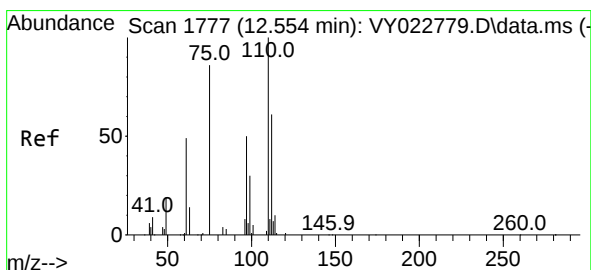
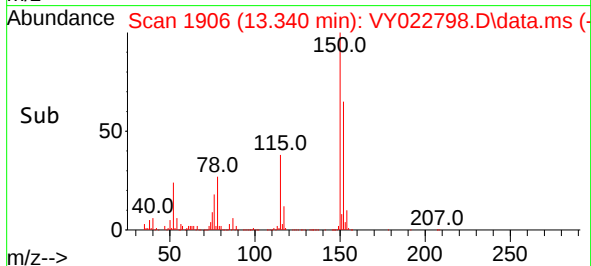
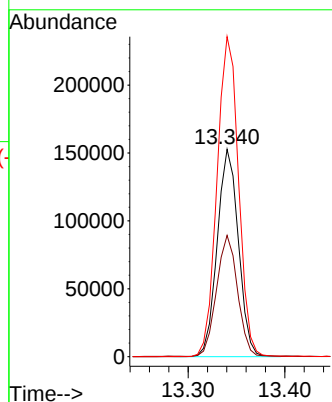
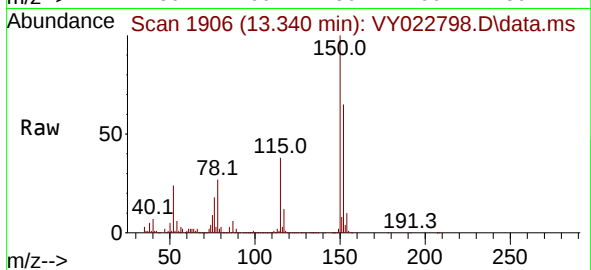
Tgt Ion:152 Resp: 231837

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 156.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.293 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022798.D

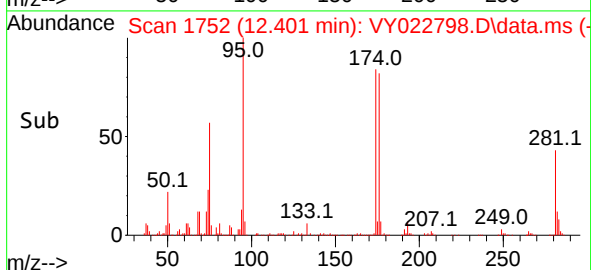
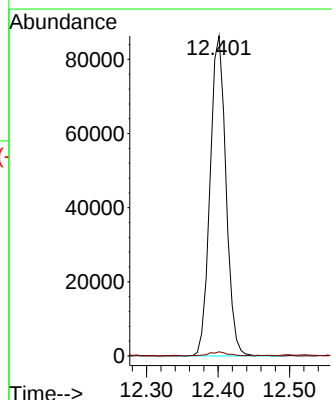
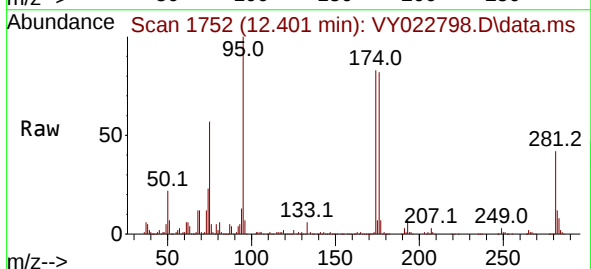
Acq: 24 Jun 2025 15:29

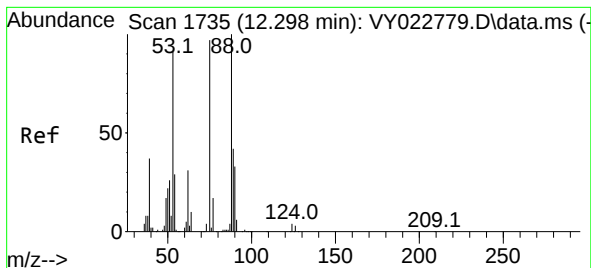
Tgt Ion: 75 Resp: 133238

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

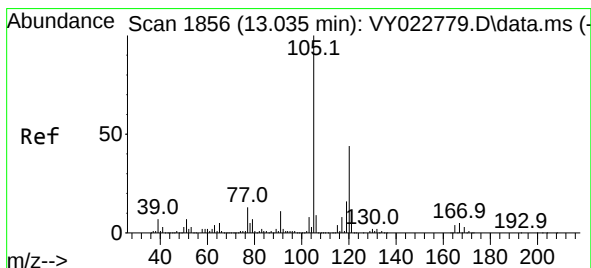
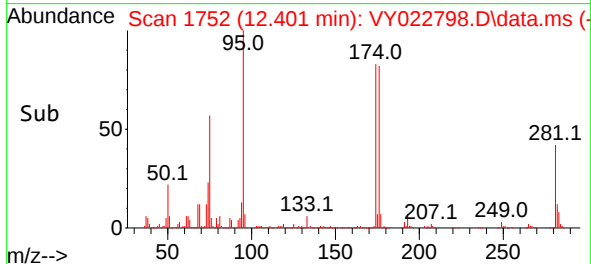
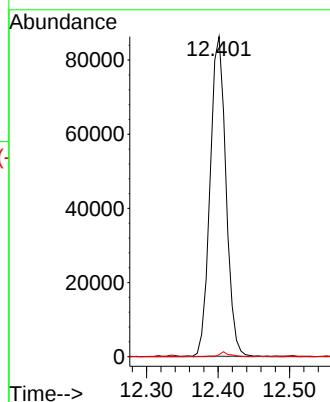
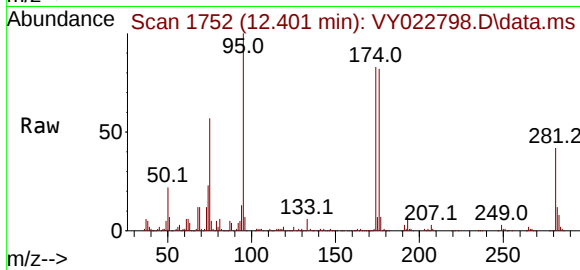




#81
trans-1,4-Dichloro-2-butene
Concen: 142.219 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

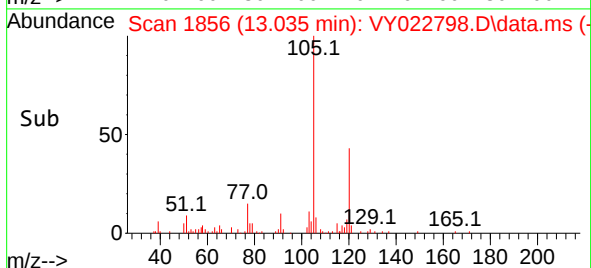
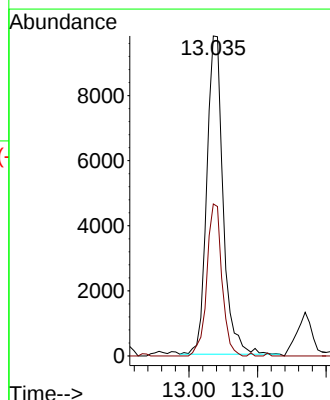
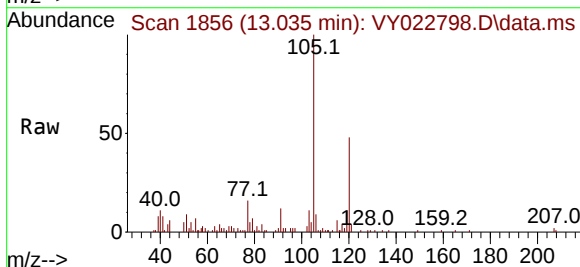
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

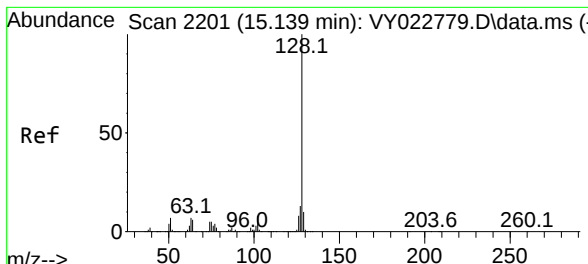
Tgt Ion: 75 Resp: 133238
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.9 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.167 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

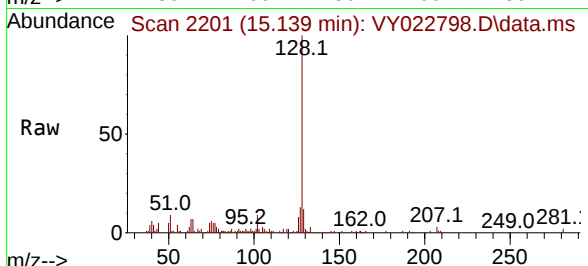
Tgt Ion: 105 Resp: 16174
Ion Ratio Lower Upper
105 100
120 44.3 22.7 68.1





#95
 Naphthalene
 Concen: 4.067 ug/l
 RT: 15.139 min Scan# 21
 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:	128	Resp:	28559
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	10.1	8.9	13.3

