

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022799.D
 Acq On : 24 Jun 2025 15:52
 Operator : SY/MD
 Sample : Q2393-10
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -5

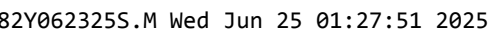
Quant Time: Jun 25 01:27:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	316843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	576057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	531349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	229194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165593	46.827	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.660%
35) Dibromofluoromethane	7.634	113	171894	49.066	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.140%
50) Toluene-d8	10.103	98	673865	48.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.940%
62) 4-Bromofluorobenzene	12.402	95	230553	51.590	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.180%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.043	101	16206	2.264	ug/l	92
16) Acetone	3.860	43	6248	9.348	ug/l	96
20) Methylene Chloride	4.604	84	5047	1.196	ug/l #	80
25) 2-Butanone	6.909	43	2128	2.188	ug/l #	46
29) Tetrahydrofuran	7.268	42	1063	1.731	ug/l #	83
31) Cyclohexane	7.701	56	7658	1.261	ug/l #	39
36) 1,1-Dichloropropene	7.701	75	26816	5.050	ug/l #	49
38) Carbon Tetrachloride	7.701	117	31339	5.593	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.676	63	76	15.691	ug/l #	86
76) 1,2,3-Trichloropropane	12.402	75	130468	55.759	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	130468	140.868	ug/l #	11

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

Quant Time: Jun 25 01:27:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
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QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

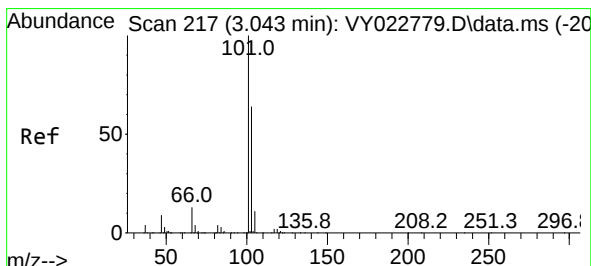
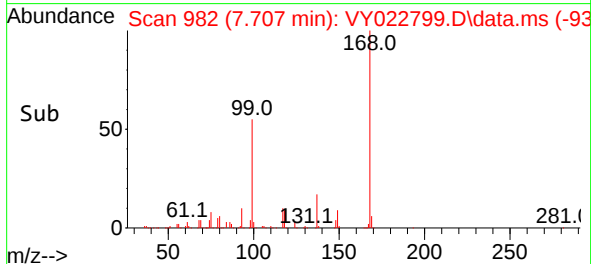
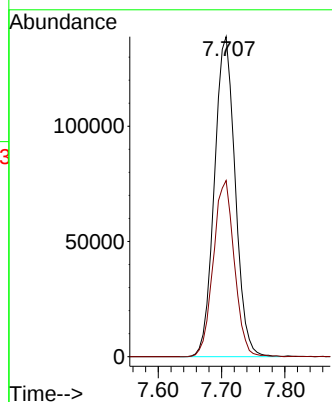
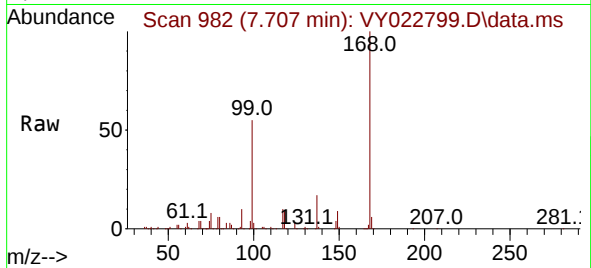




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

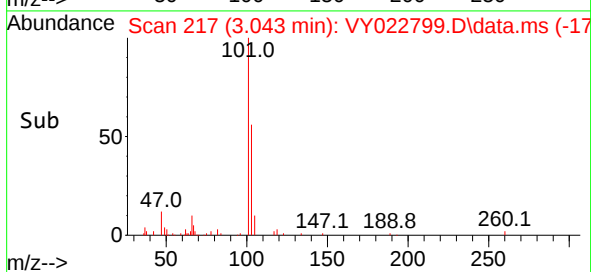
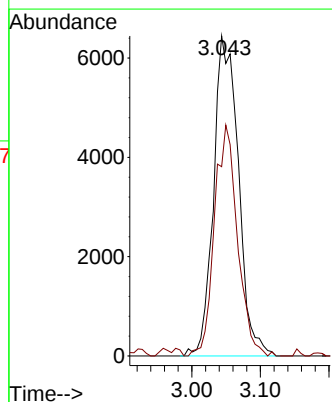
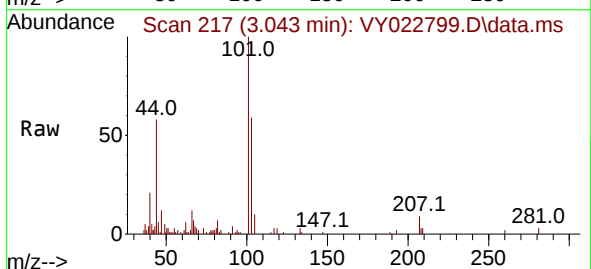
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

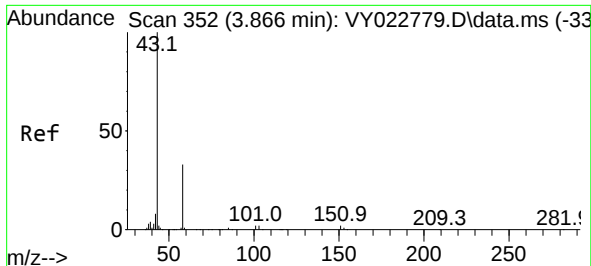
Tgt Ion:168 Resp: 316843
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#7
Trichlorofluoromethane
Concen: 2.264 ug/l
RT: 3.043 min Scan# 217
Delta R.T. -0.012 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion:101 Resp: 16206
Ion Ratio Lower Upper
101 100
103 59.2 52.2 78.2

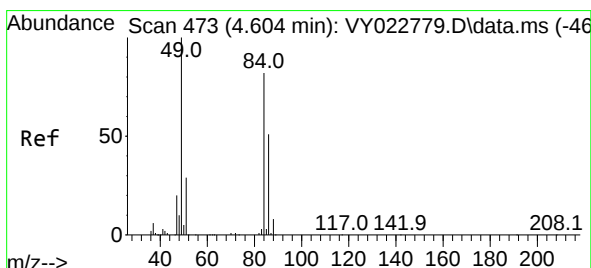
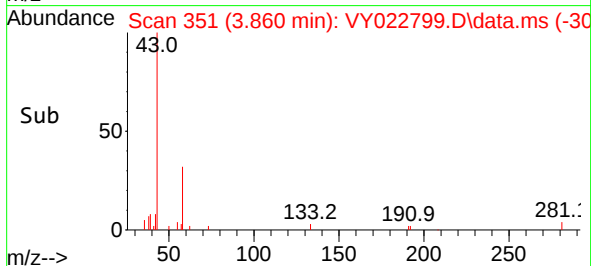
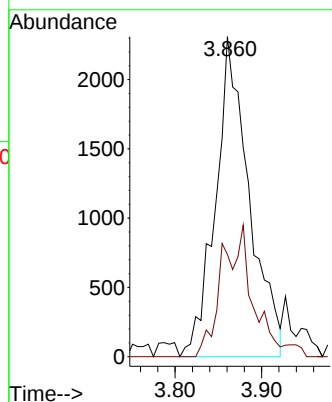
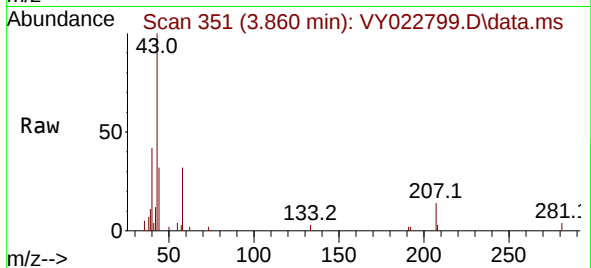




#16
Acetone
Concen: 9.348 ug/l
RT: 3.860 min Scan# 352
Delta R.T. -0.018 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

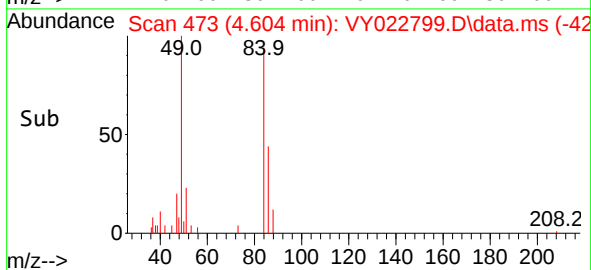
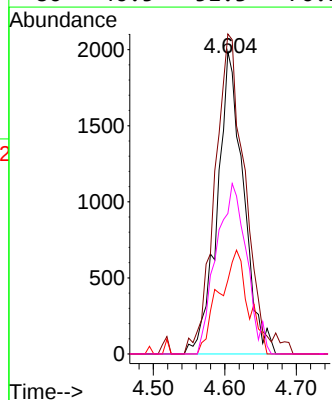
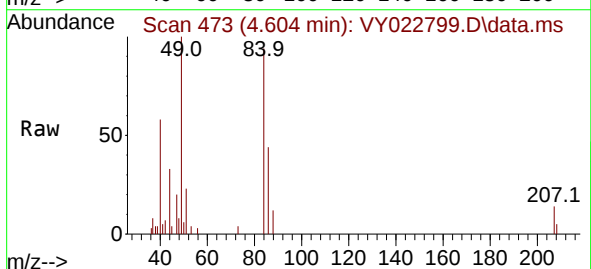
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

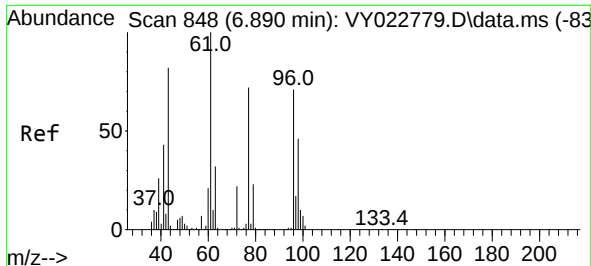
Tgt Ion: 43 Resp: 6248
Ion Ratio Lower Upper
43 100
58 31.9 24.0 36.0



#20
Methylene Chloride
Concen: 1.196 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 84 Resp: 5047
Ion Ratio Lower Upper
84 100
49 105.9 101.9 152.9
51 24.4 29.8 44.8#
86 46.5 51.3 76.9#





#25

2-Butanone

Concen: 2.188 ug/l

RT: 6.909 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY022799.D

Acq: 24 Jun 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

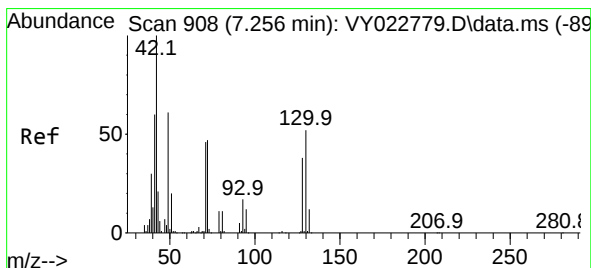
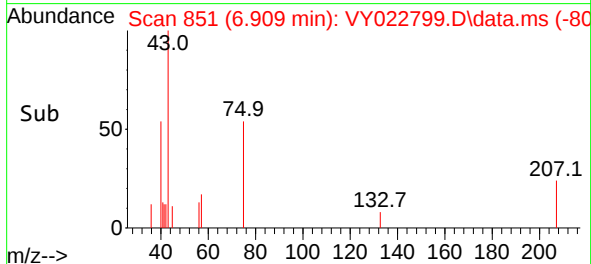
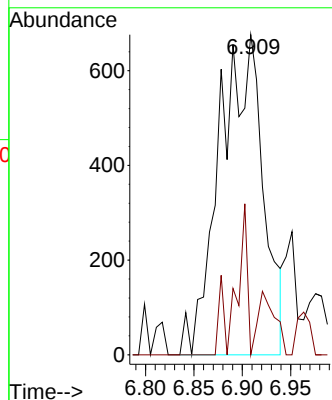
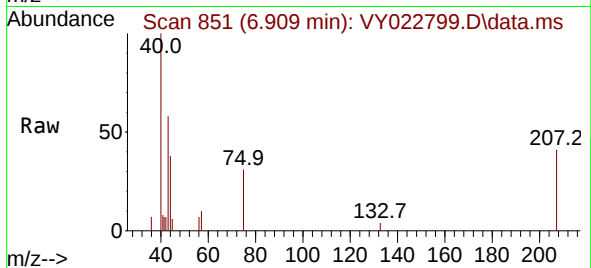
PARK AVE -5

Tgt Ion: 43 Resp: 2128

Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#



#29

Tetrahydrofuran

Concen: 1.731 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022799.D

Acq: 24 Jun 2025 15:52

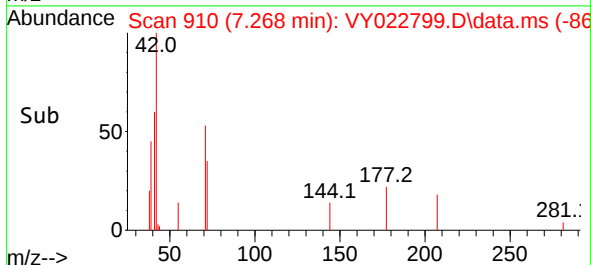
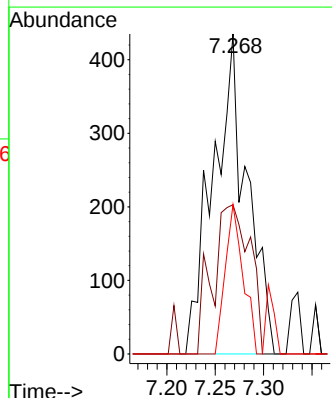
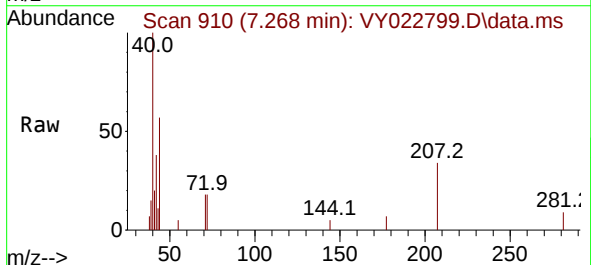
Tgt Ion: 42 Resp: 1063

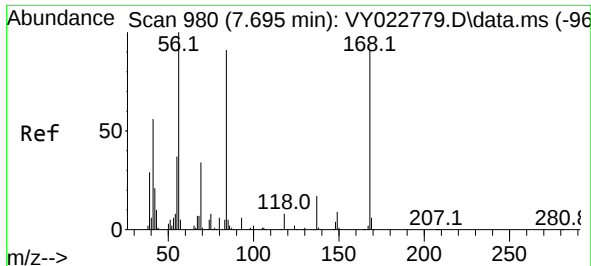
Ion Ratio Lower Upper

42 100

72 50.9 37.4 56.2

71 24.6 34.2 51.2#

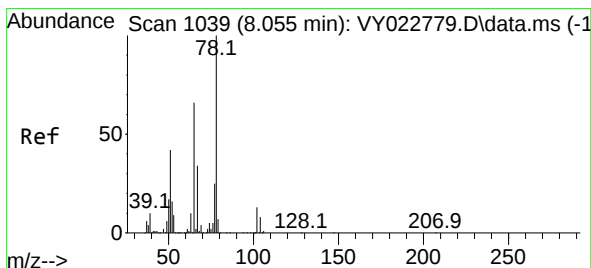
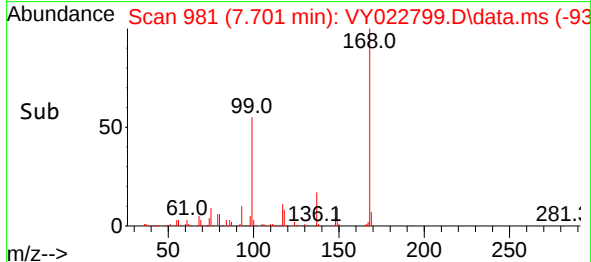
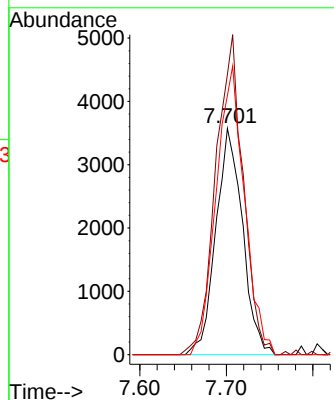
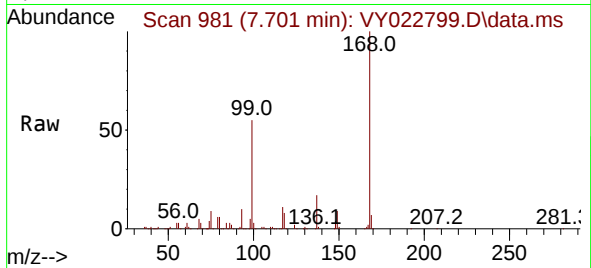




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

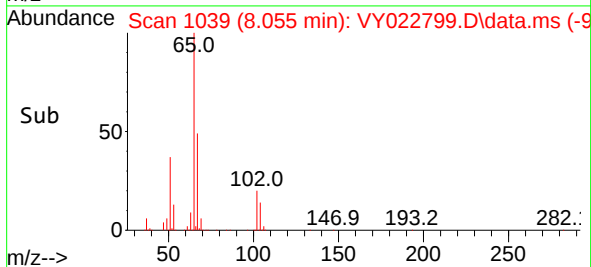
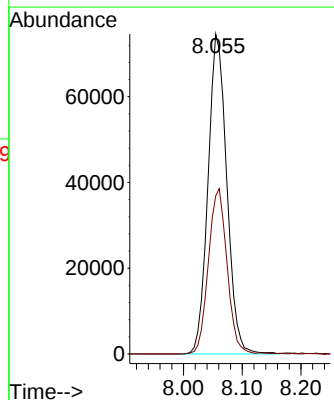
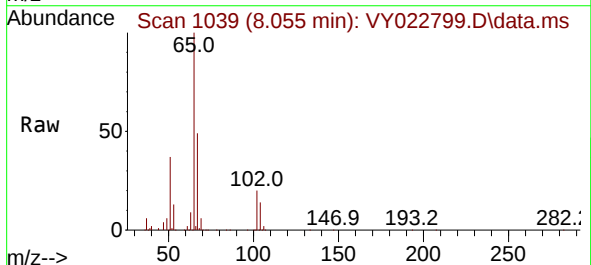
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

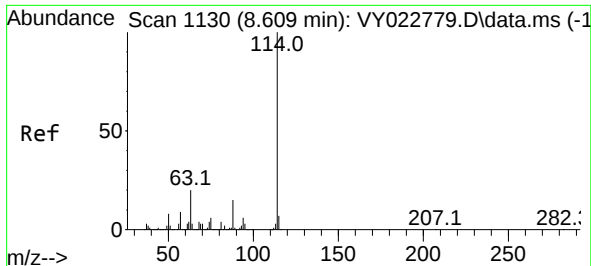
Tgt Ion: 56 Resp: 7658
Ion Ratio Lower Upper
56 100
69 123.8 27.0 40.6#
84 114.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 46.827 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 65 Resp: 165593
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022799.D

Acq: 24 Jun 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -5

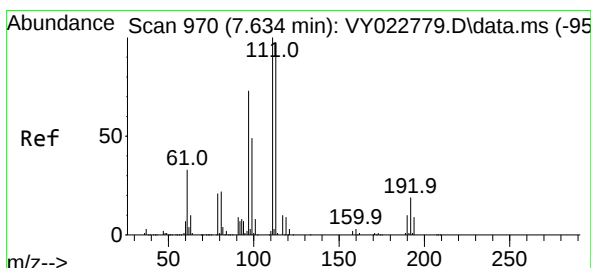
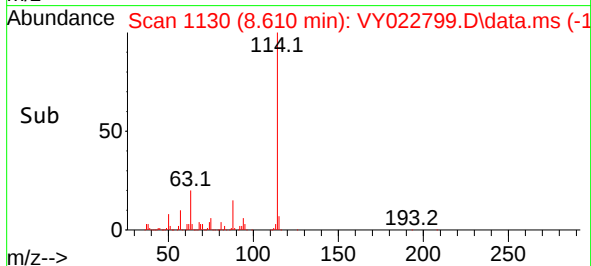
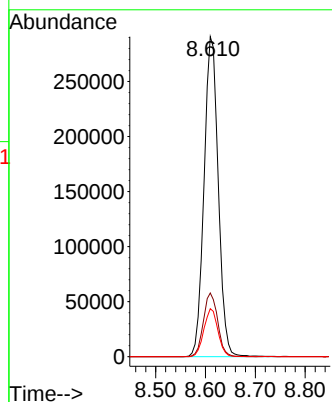
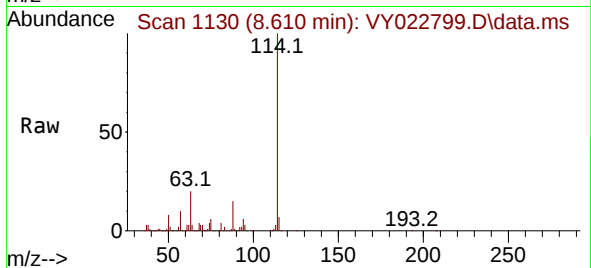
Tgt Ion:114 Resp: 576057

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.066 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022799.D

Acq: 24 Jun 2025 15:52

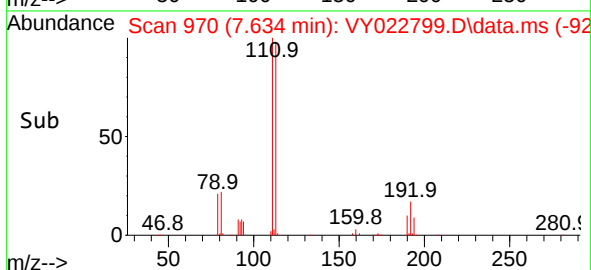
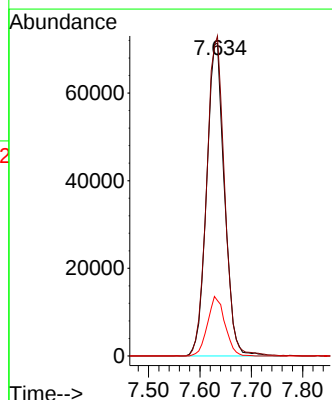
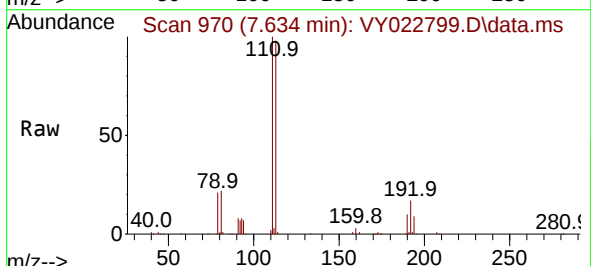
Tgt Ion:113 Resp: 171894

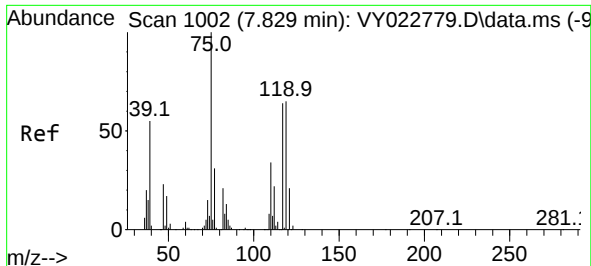
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 18.6 14.2 21.2

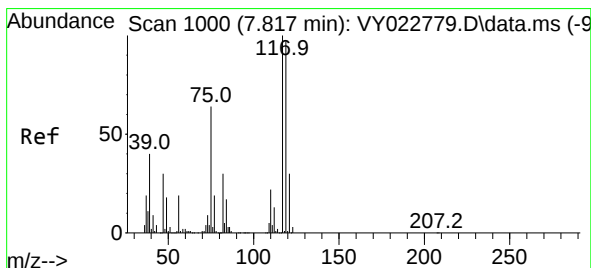
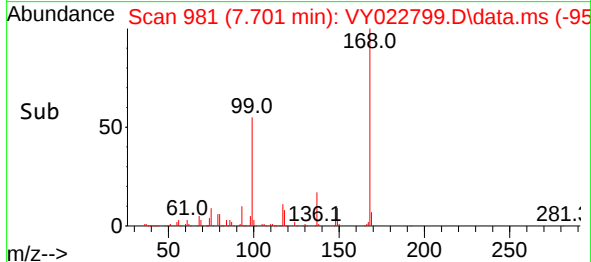
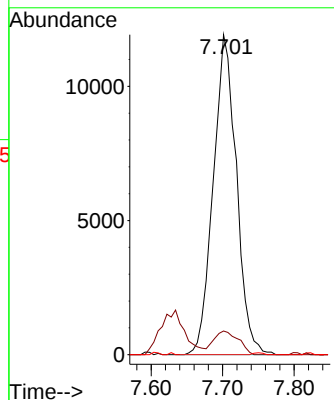
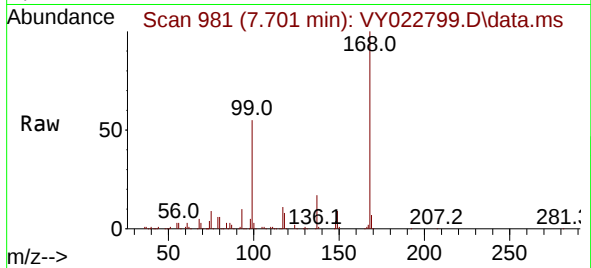




#36
 1,1-Dichloropropene
 Concen: 5.050 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.140 min
 Lab File: VY022799.D
 Acq: 24 Jun 2025 15:52

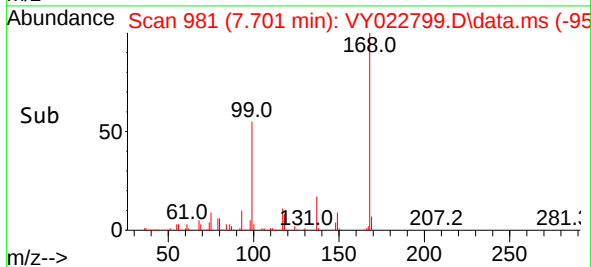
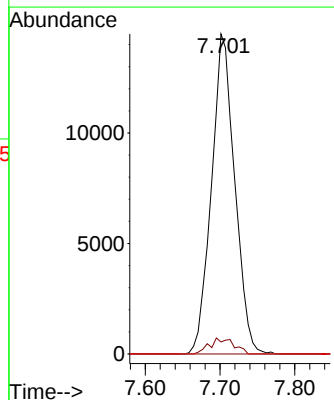
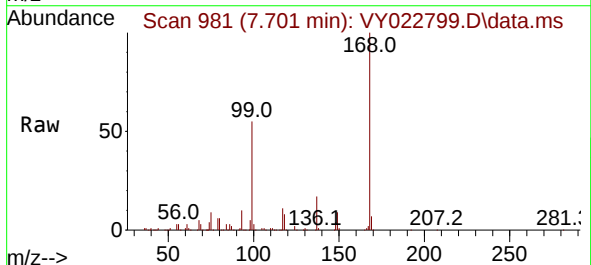
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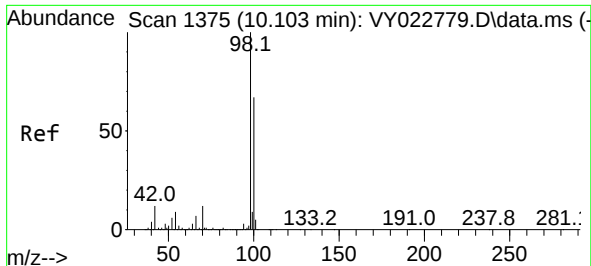
Tgt Ion: 75 Resp: 26816
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.593 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY022799.D
 Acq: 24 Jun 2025 15:52

Tgt Ion: 117 Resp: 31339
 Ion Ratio Lower Upper
 117 100
 119 3.8 75.0 112.6#
 121 0.0 25.0 37.4#

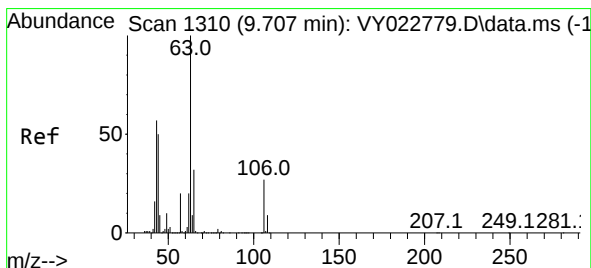
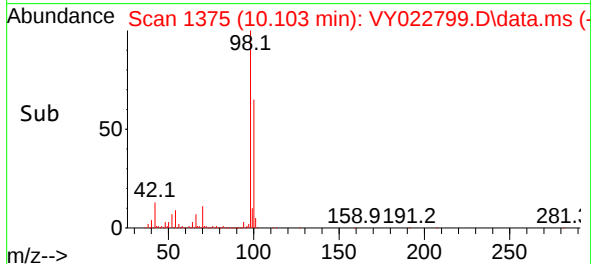
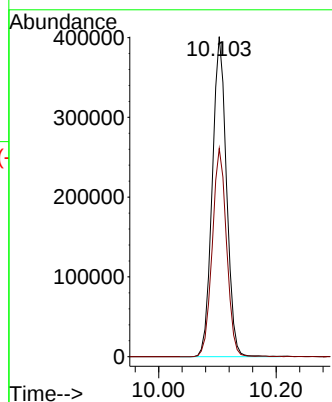
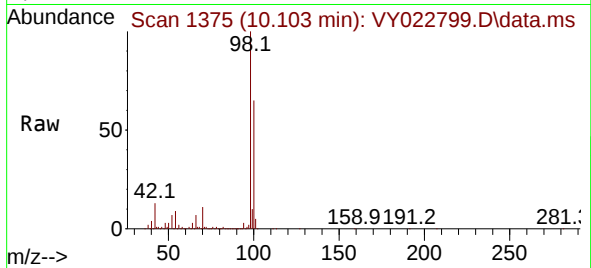




#50
Toluene-d8
Concen: 48.474 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

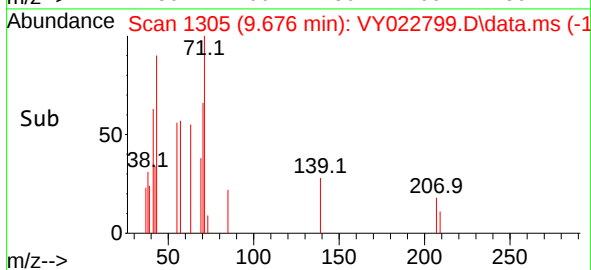
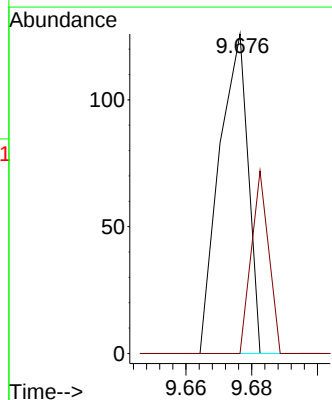
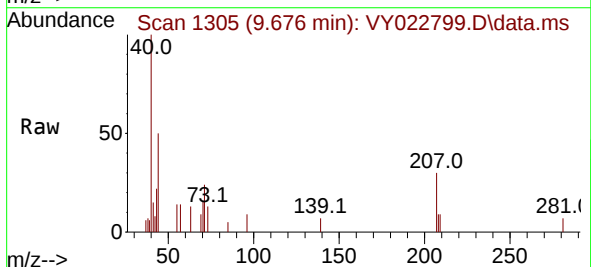
Instrument :
MSVOA_Y
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PARK AVE -5

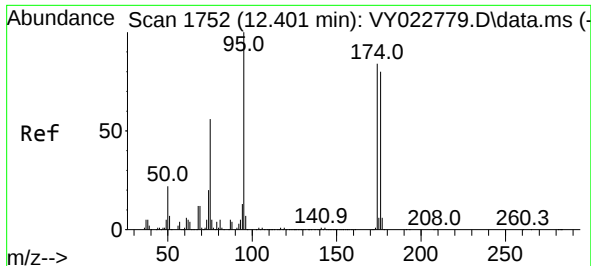
Tgt Ion: 98 Resp: 673865
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.691 ug/l
RT: 9.676 min Scan# 1305
Delta R.T. -0.037 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 63 Resp: 76
Ion Ratio Lower Upper
63 100
106 34.2 21.6 32.4#

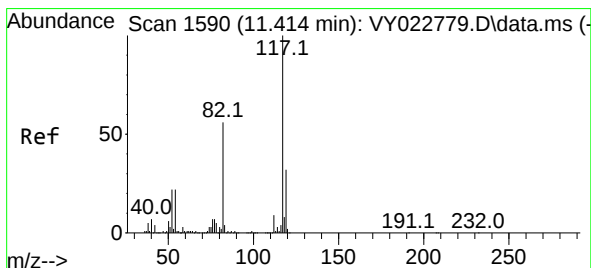
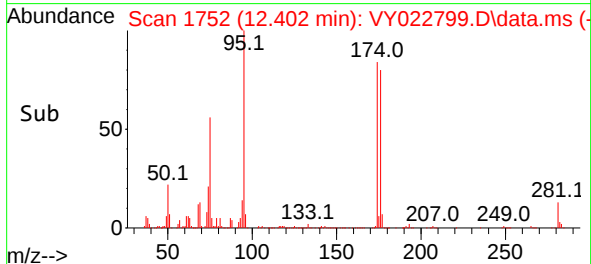
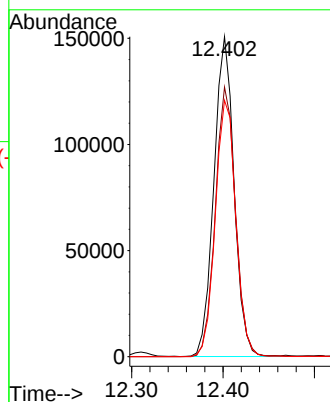
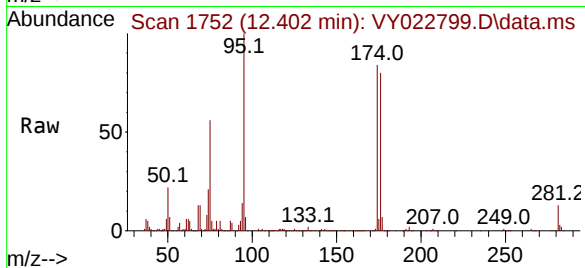




#62
4-Bromofluorobenzene
Concen: 51.590 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

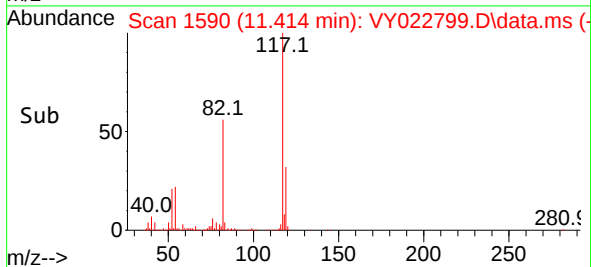
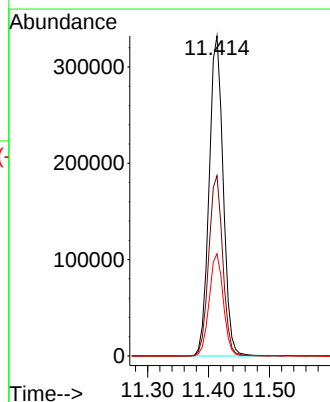
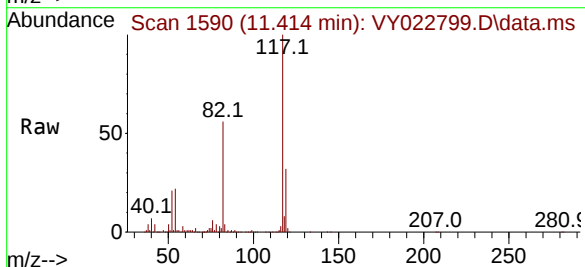
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

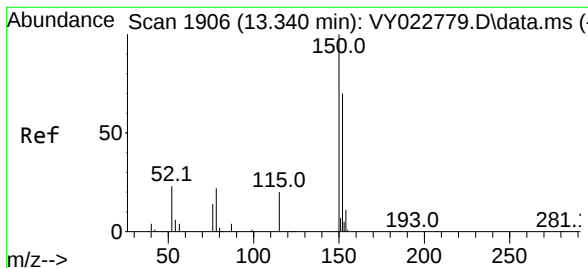
Tgt Ion: 95 Resp: 230553
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.0
176 81.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 117 Resp: 531349
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 31.9 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: VY022779.D

Acq: 24 Jun 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -5

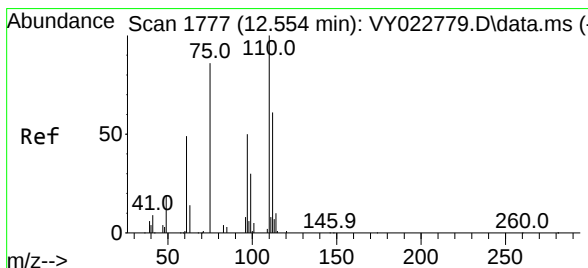
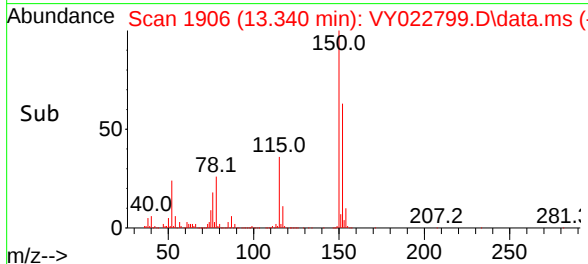
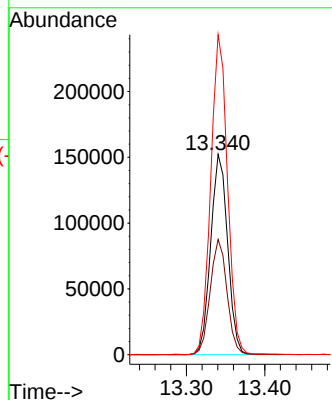
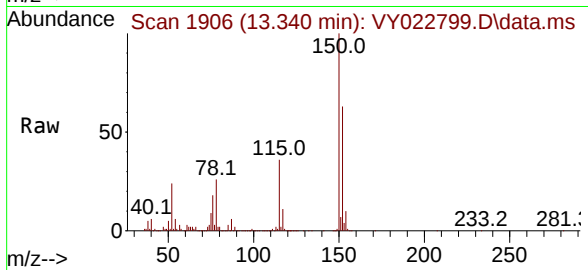
Tgt Ion:152 Resp: 229194

Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 157.7 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 55.759 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022799.D

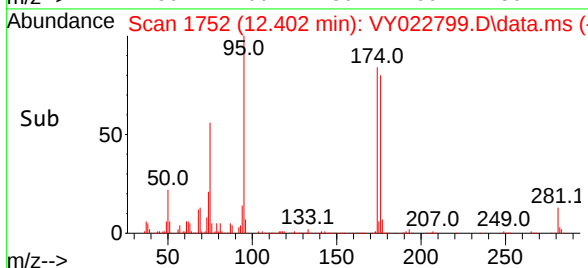
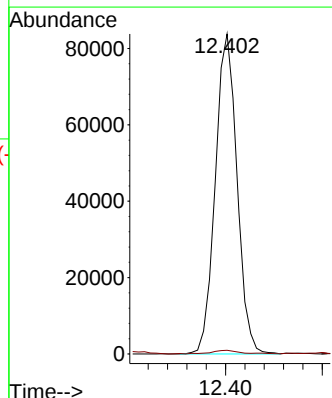
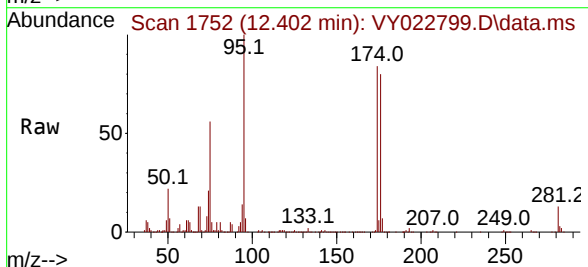
Acq: 24 Jun 2025 15:52

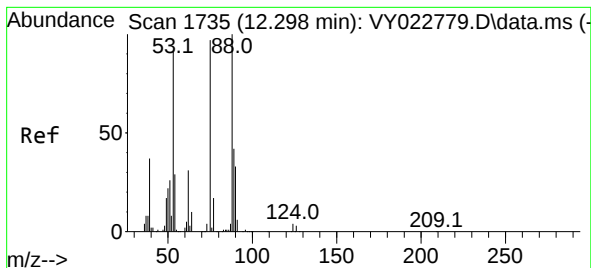
Tgt Ion: 75 Resp: 130468

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.868 ug/l

RT: 12.402 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY022799.D

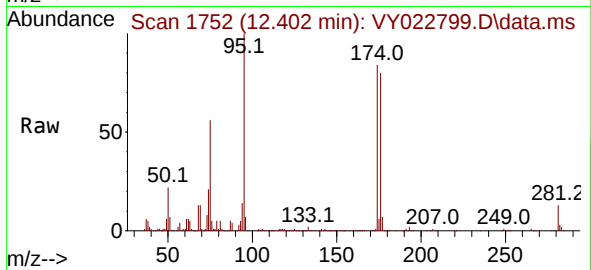
Acq: 24 Jun 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -5



Tgt Ion: 75 Resp: 130468

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 35.7 53.5#

