

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022795.D
 Acq On : 24 Jun 2025 14:19
 Operator : SY/MD
 Sample : Q2393-02
 Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -1

Quant Time: Jun 25 01:26:10 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)

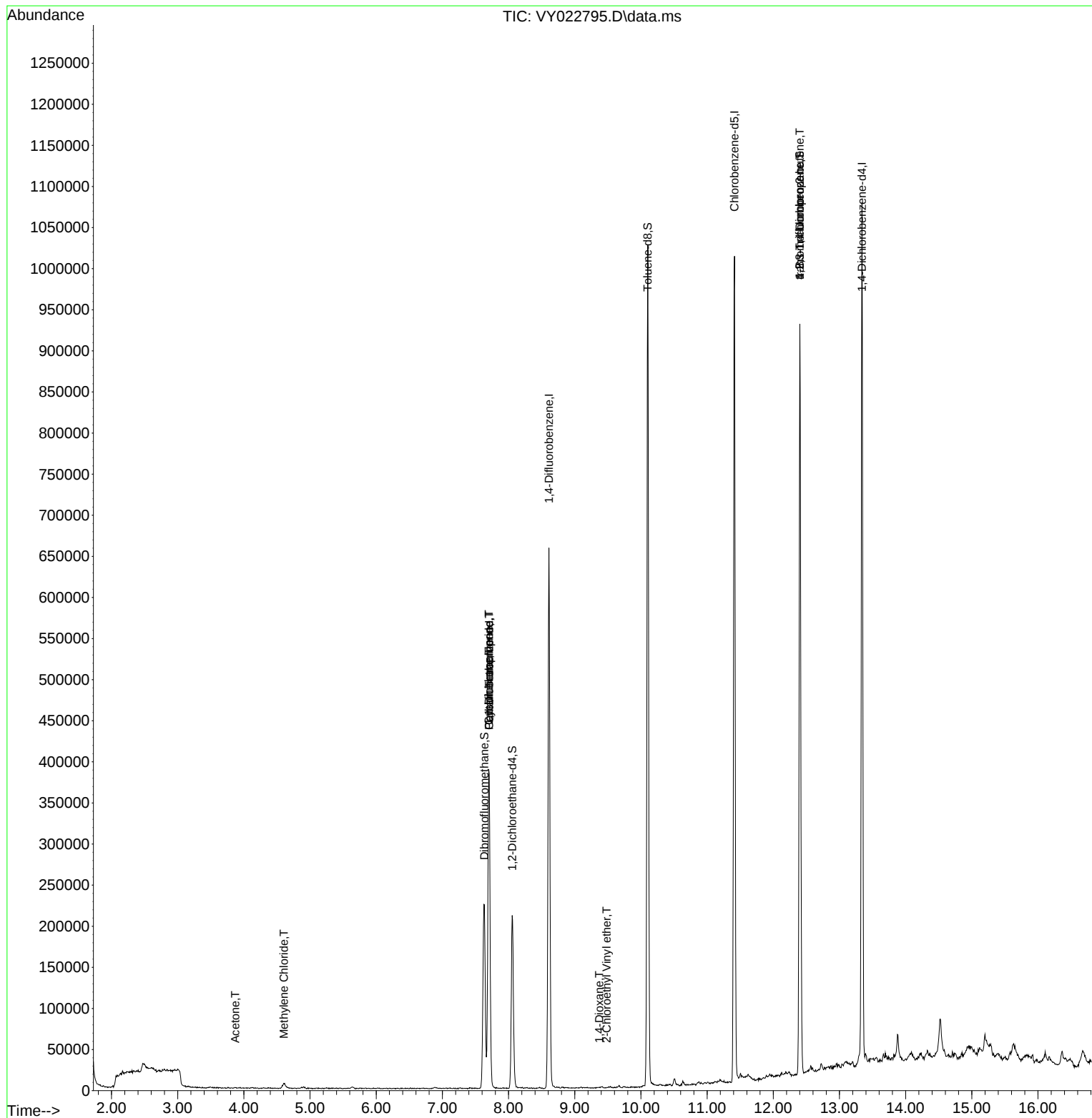
Internal Standards						
1) Pentafluorobenzene	7.707	168	304407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	544800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165094	48.593	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.180%
35) Dibromofluoromethane	7.634	113	162370	49.007	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.020%
50) Toluene-d8	10.103	98	652469	49.628	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.401	95	243354	57.579	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	115.160%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1394	2.171	ug/l	96
20) Methylene Chloride	4.604	84	4399	1.085	ug/l #	78
31) Cyclohexane	7.701	56	7591	1.301	ug/l #	23
36) 1,1-Dichloropropene	7.701	75	25026	4.983	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31198	5.888	ug/l #	16
49) 1,4-Dioxane	9.371	88	29	1.197	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.481	63	42	15.676	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	136593	53.580	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	136593	135.363	ug/l #	11

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

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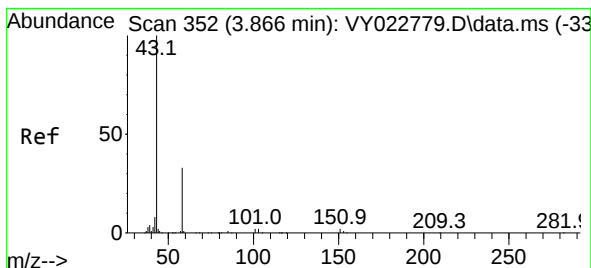
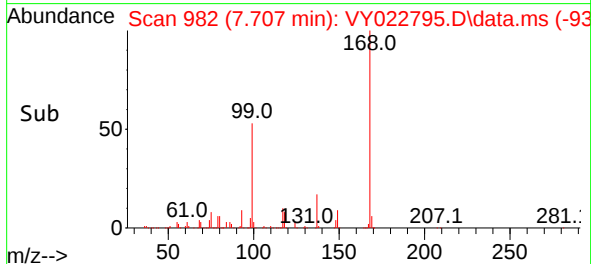
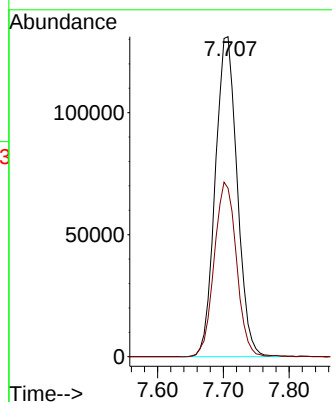
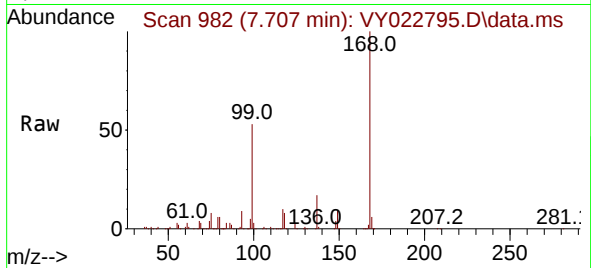




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

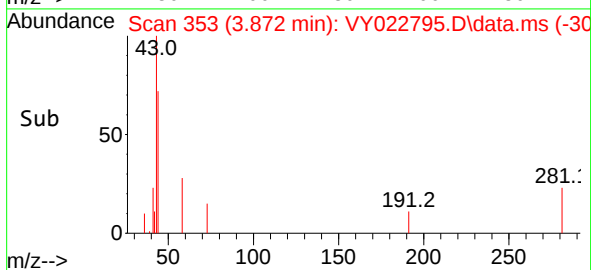
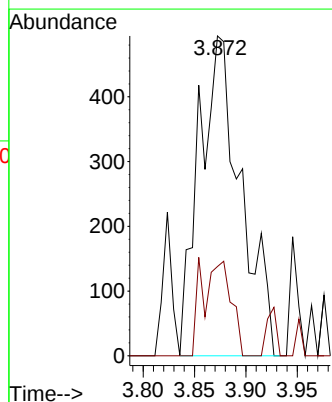
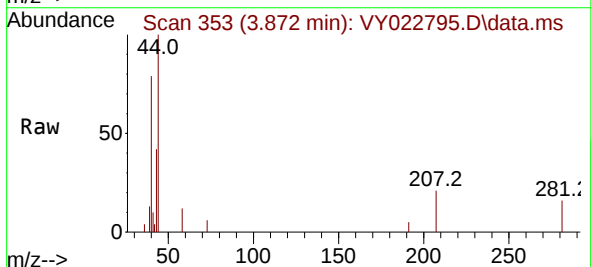
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

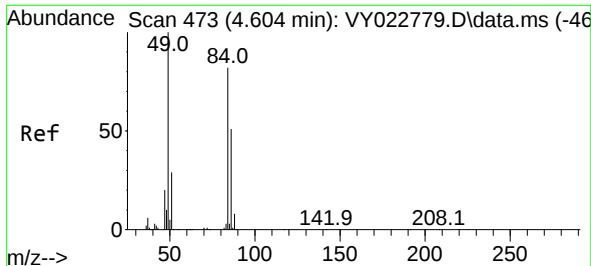
Tgt Ion:168 Resp: 304407
Ion Ratio Lower Upper
168 100
99 52.6 44.3 66.5



#16
Acetone
Concen: 2.171 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 27.9 24.0 36.0

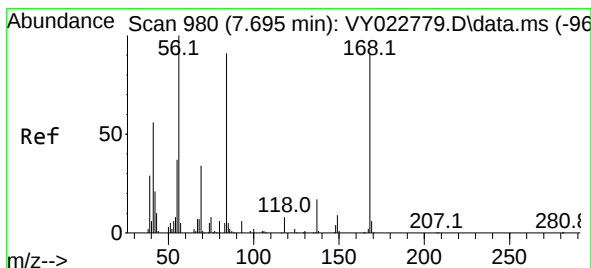
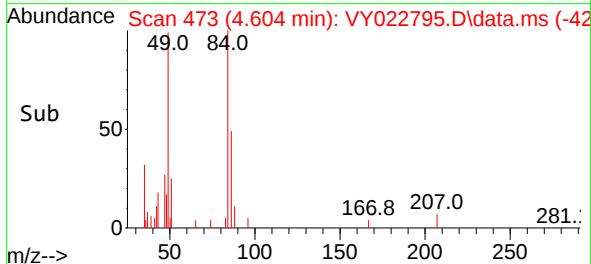
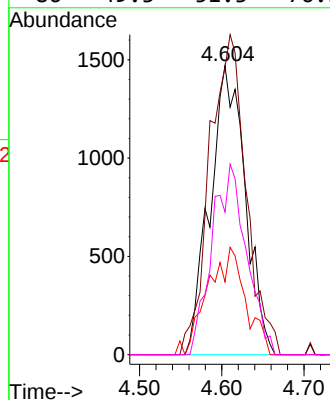
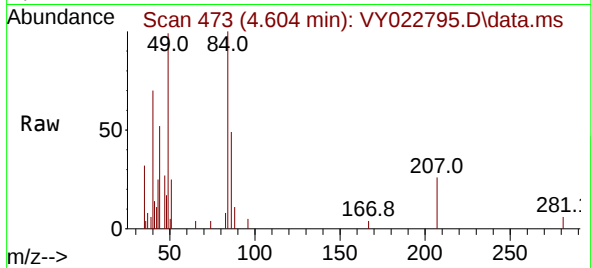




#20
Methylene Chloride
Concen: 1.085 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

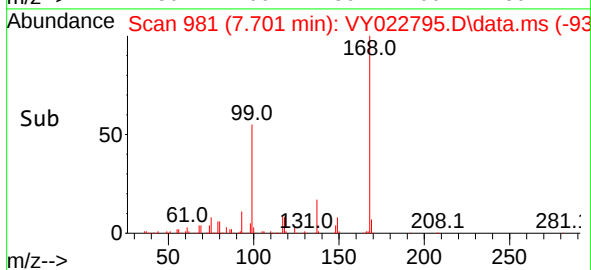
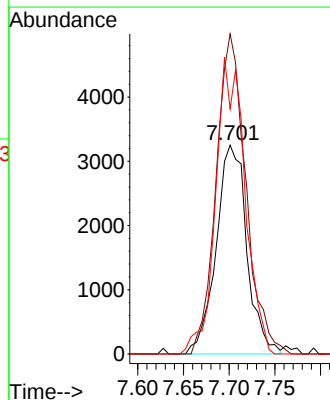
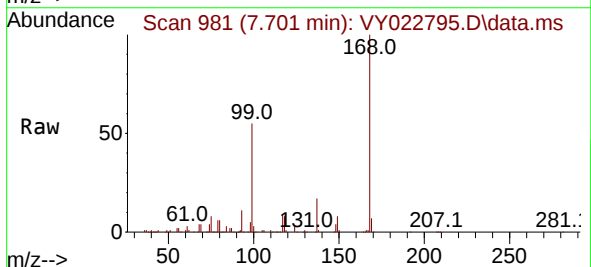
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

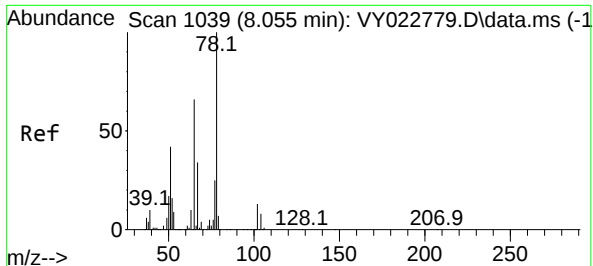
Tgt Ion:	84	Resp:	4399
Ion	Ratio	Lower	Upper
84	100		
49	99.5	101.9	152.9#
51	25.2	29.8	44.8#
86	49.3	51.3	76.9#



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion:	56	Resp:	7591
Ion	Ratio	Lower	Upper
56	100		
69	153.2	27.0	40.6#
84	117.3	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.593 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.013 min

Lab File: VY022795.D

Acq: 24 Jun 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

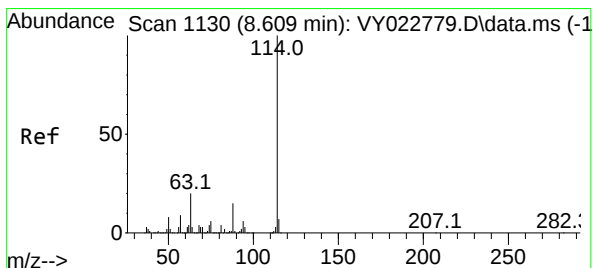
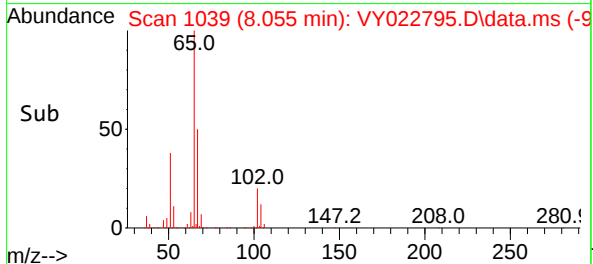
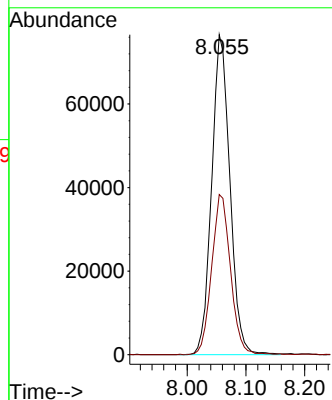
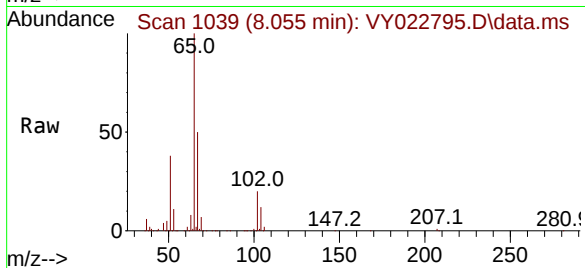
PARK AVE -1

Tgt Ion: 65 Resp: 165094

Ion Ratio Lower Upper

65 100

67 51.7 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: VY022795.D

Acq: 24 Jun 2025 14:19

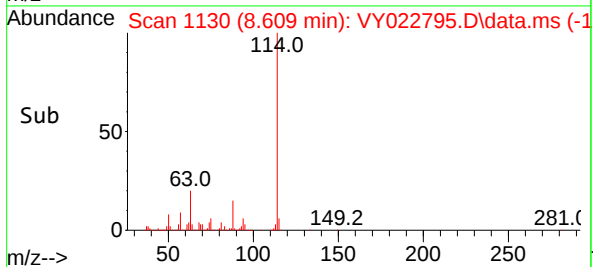
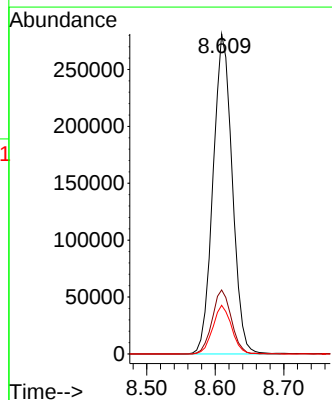
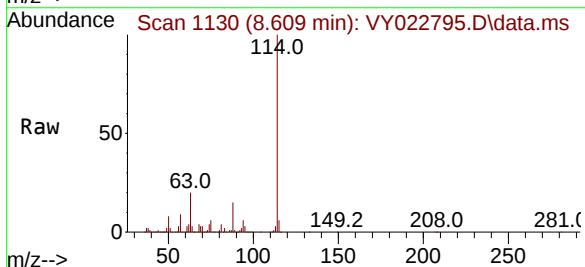
Tgt Ion: 114 Resp: 544800

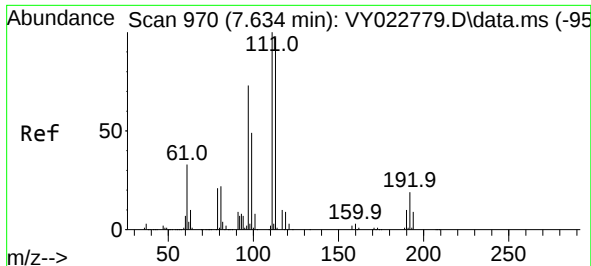
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.2 0.0 27.8

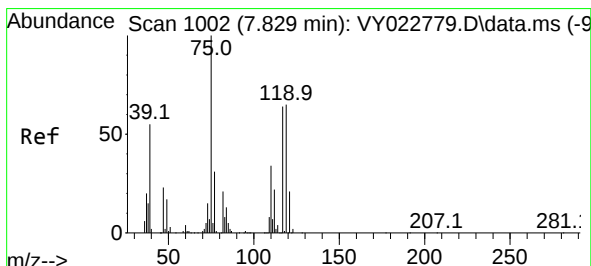
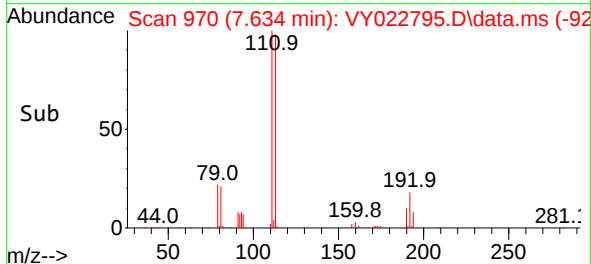
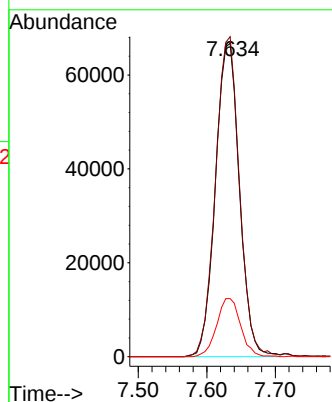
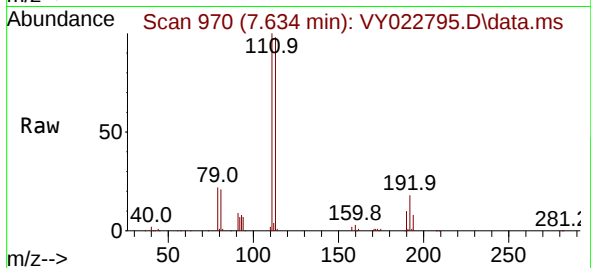




#35
Dibromofluoromethane
Concen: 49.007 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

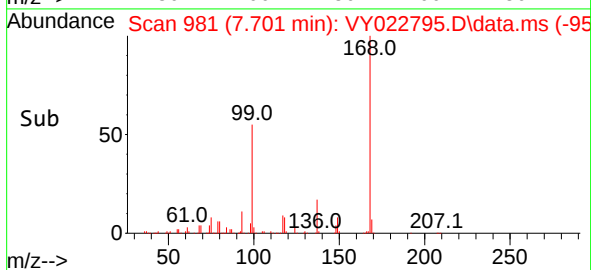
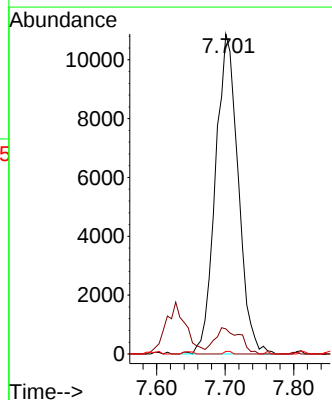
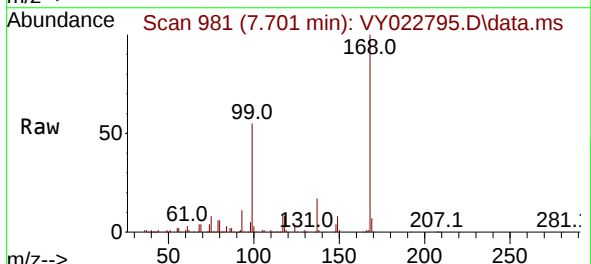
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

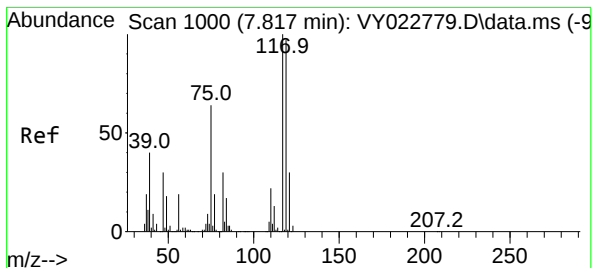
Tgt Ion:113 Resp: 162370
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.983 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.141 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 75 Resp: 25026
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.888 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.116 min

Lab File: VY022795.D

Acq: 24 Jun 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -1

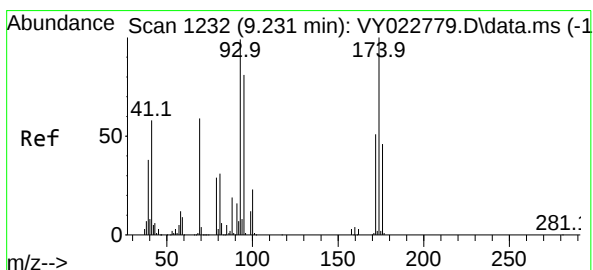
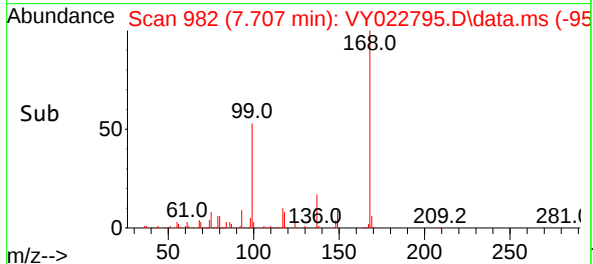
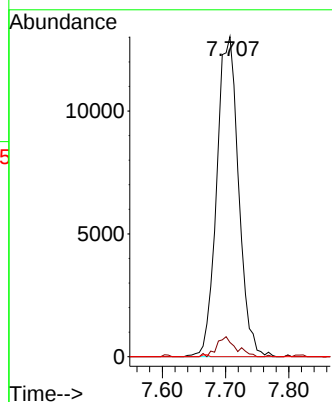
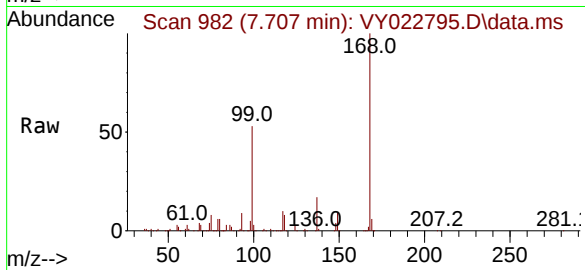
Tgt Ion:117 Resp: 31198

Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.6#

121 0.0 25.0 37.4#



#49

1,4-Dioxane

Concen: 1.197 ug/l

RT: 9.371 min Scan# 1255

Delta R.T. 0.128 min

Lab File: VY022795.D

Acq: 24 Jun 2025 14:19

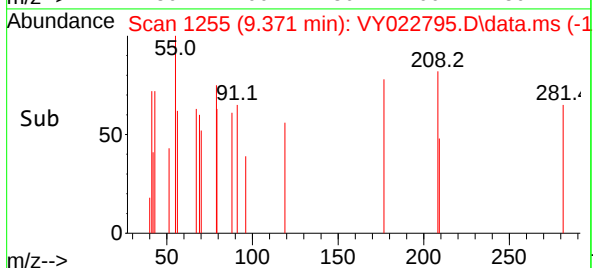
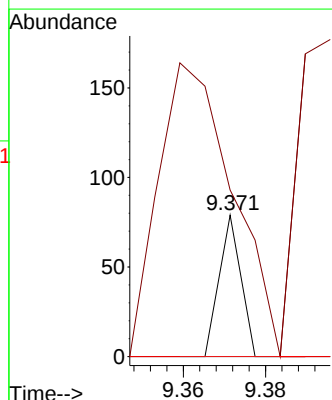
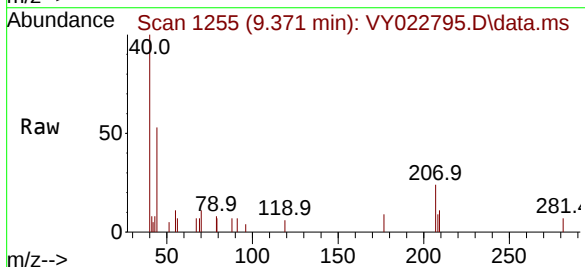
Tgt Ion: 88 Resp: 29

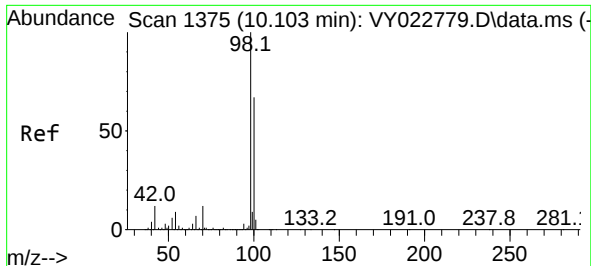
Ion Ratio Lower Upper

88 100

43 710.3 25.4 38.2#

58 0.0 54.9 82.3#

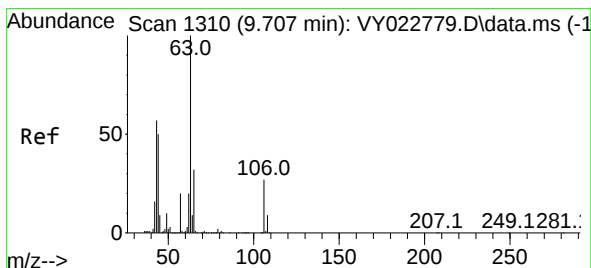
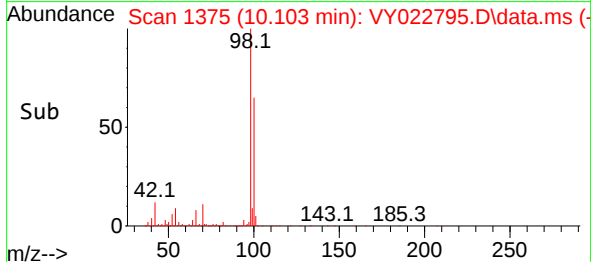
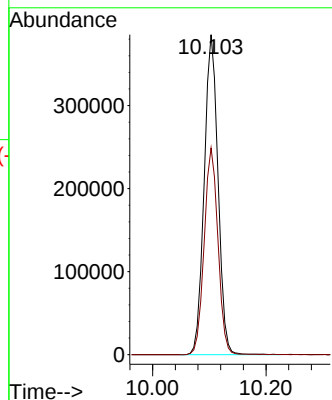
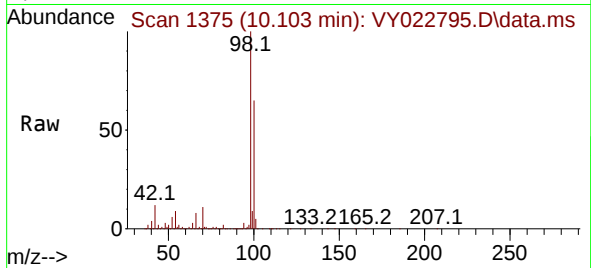




#50
Toluene-d8
Concen: 49.628 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

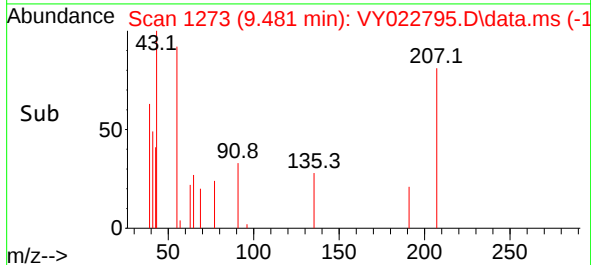
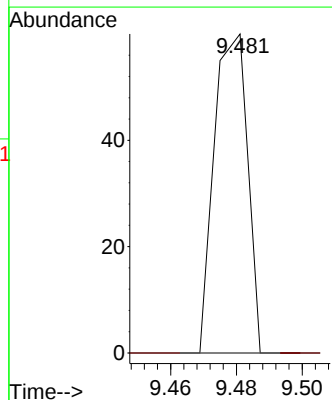
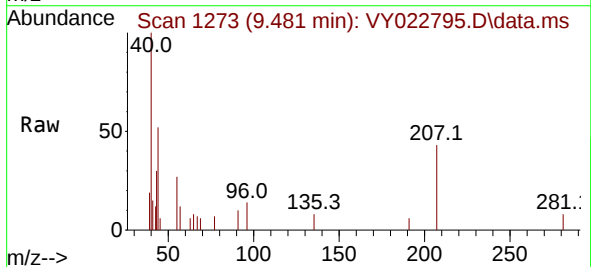
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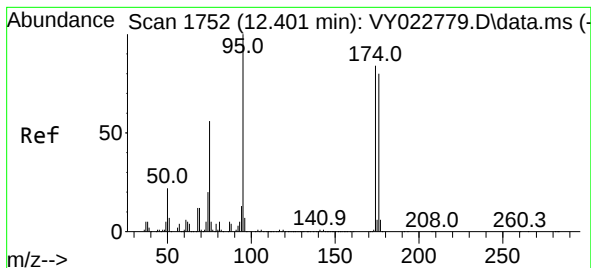
Tgt Ion: 98 Resp: 652469
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.676 ug/l
RT: 9.481 min Scan# 1273
Delta R.T. -0.232 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

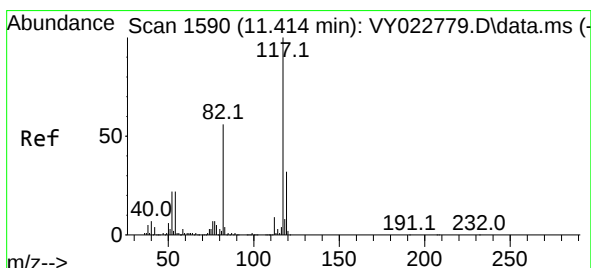
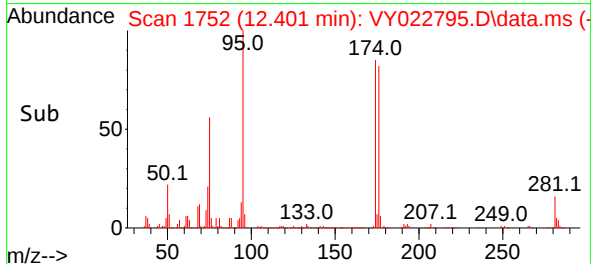
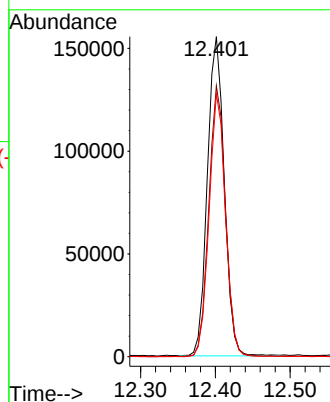
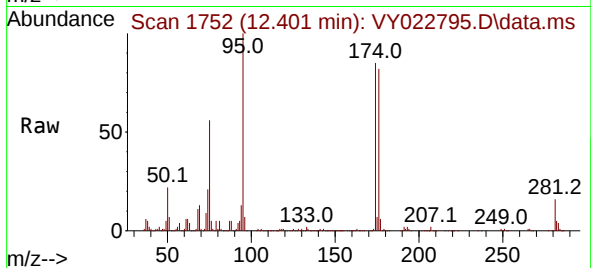




#62
4-Bromofluorobenzene
Concen: 57.579 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

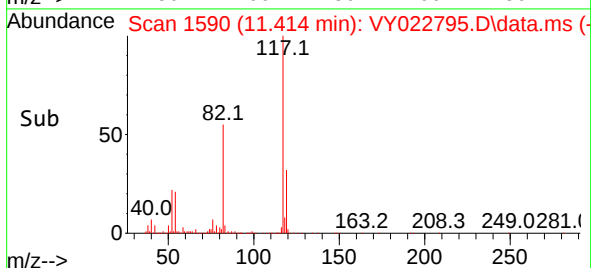
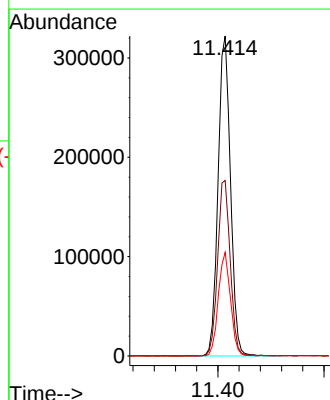
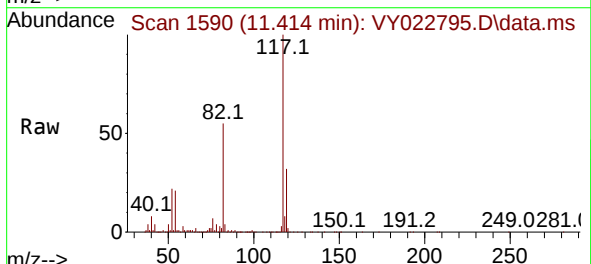
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

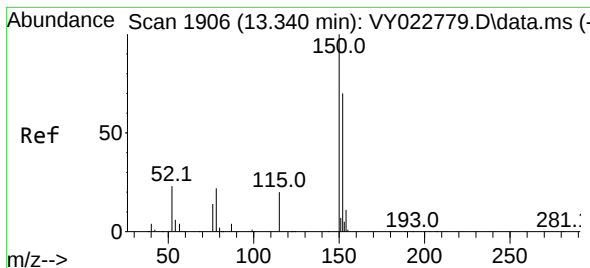
Tgt Ion: 95 Resp: 243354
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 80.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 117 Resp: 523860
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 32.4 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: VY022795.D

Acq: 24 Jun 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

PARK AVE -1

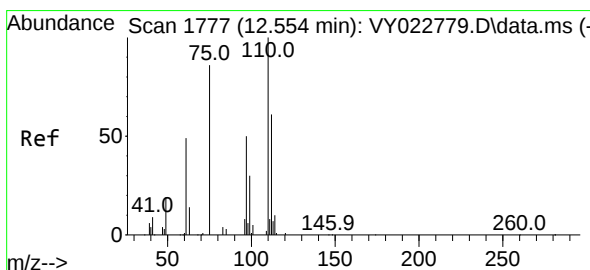
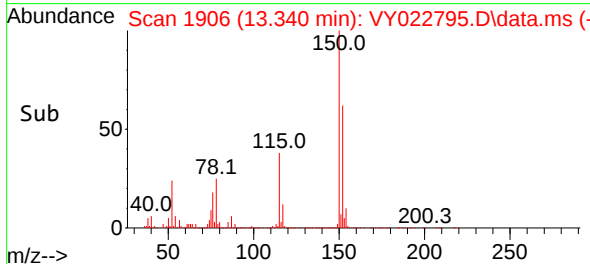
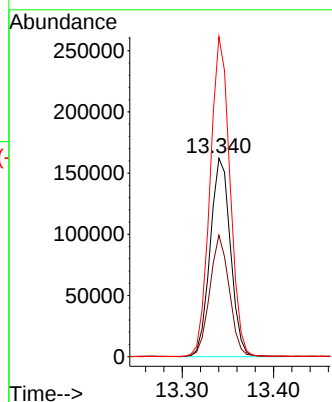
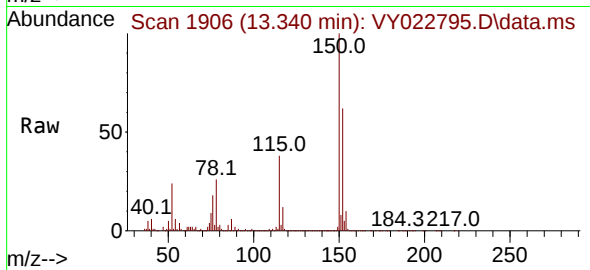
Tgt Ion:152 Resp: 249712

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 158.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.580 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022795.D

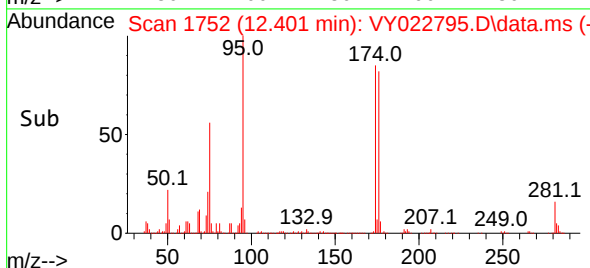
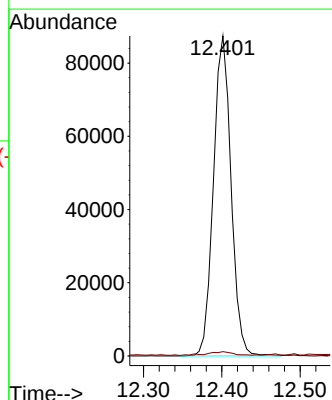
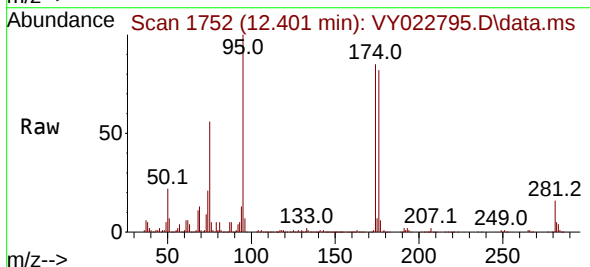
Acq: 24 Jun 2025 14:19

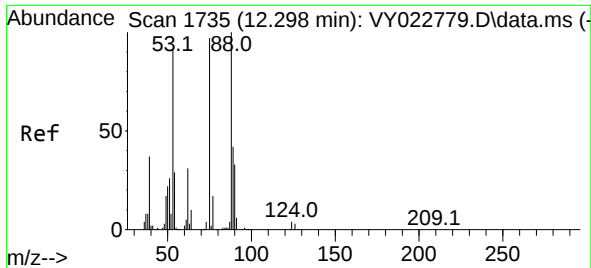
Tgt Ion: 75 Resp: 136593

Ion Ratio Lower Upper

75 100

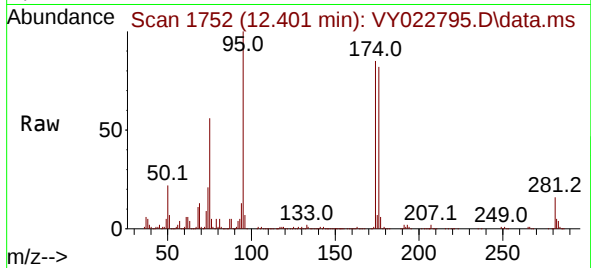
77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 135.363 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1



Tgt Ion: 75 Resp: 136593
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.4 35.7 53.5#

