

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022797.D
 Acq On : 24 Jun 2025 15:06
 Operator : SY/MD
 Sample : Q2393-06
 Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -3

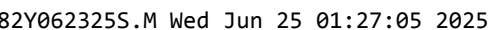
Quant Time: Jun 25 01:26:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

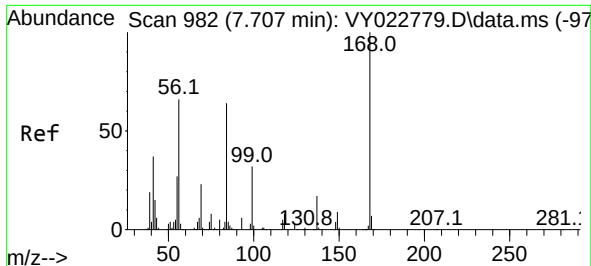
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	300789	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	557410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	163834	48.802	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.600%
35) Dibromofluoromethane	7.634	113	167237	49.334	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.660%
50) Toluene-d8	10.103	98	650647	48.370	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.402	95	244323	56.501	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.000%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.050	101	57159	8.413	ug/l	95
11) Tert butyl alcohol	4.866	59	252	1.129	ug/l #	73
16) Acetone	3.866	43	45449	71.627	ug/l	97
25) 2-Butanone	6.890	43	25712	27.842	ug/l	93
29) Tetrahydrofuran	7.262	42	1953	3.349	ug/l #	74
31) Cyclohexane	7.701	56	7593	1.317	ug/l #	28
36) 1,1-Dichloropropene	7.701	75	25205	4.905	ug/l #	51
37) Ethyl Acetate	6.890	43	25712	11.596	ug/l #	69
38) Carbon Tetrachloride	7.707	117	32127	5.926	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	137929	54.121	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	137929	136.732	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.036	105	15601	1.046	ug/l	93

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

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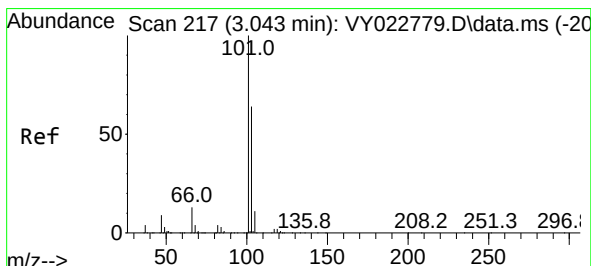
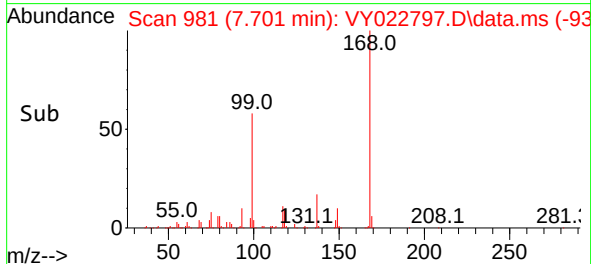
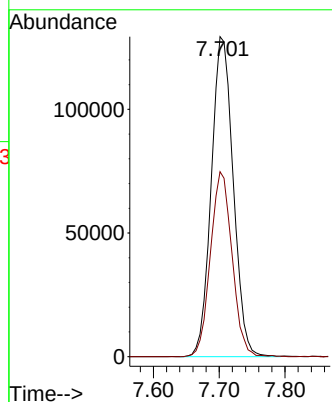
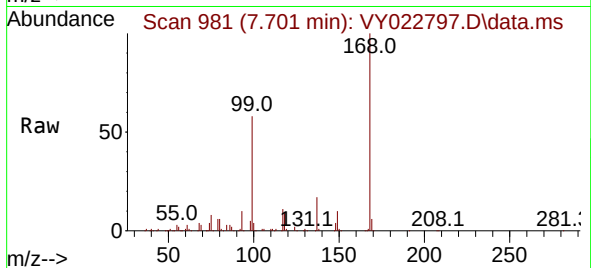




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

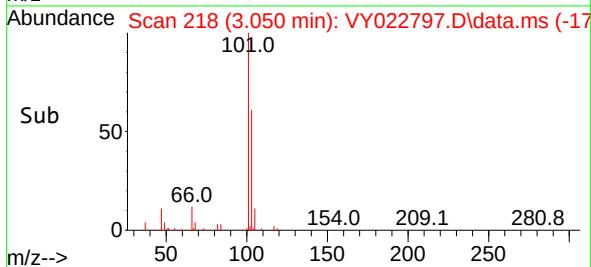
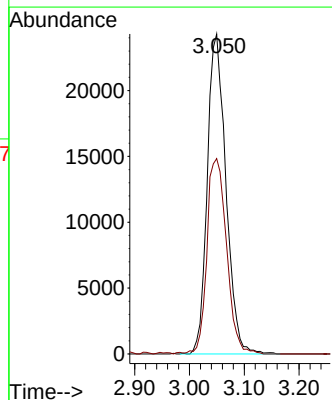
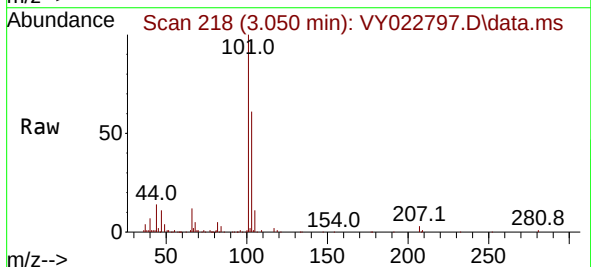
Instrument :
MSVOA_Y
ClientSampleId :
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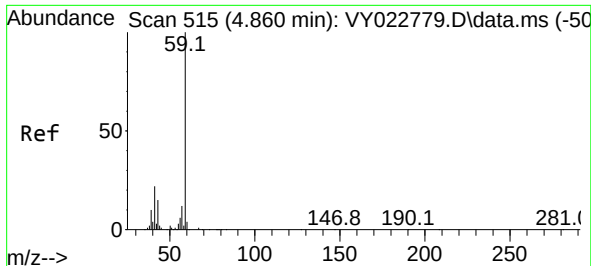
Tgt Ion:168 Resp: 300789
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#7
Trichlorofluoromethane
Concen: 8.413 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:101 Resp: 57159
Ion Ratio Lower Upper
101 100
103 61.0 52.2 78.2

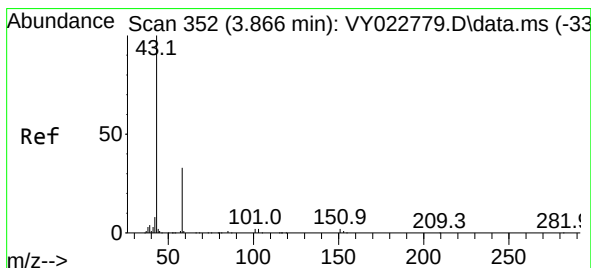
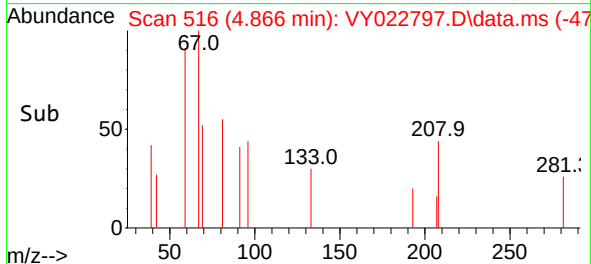
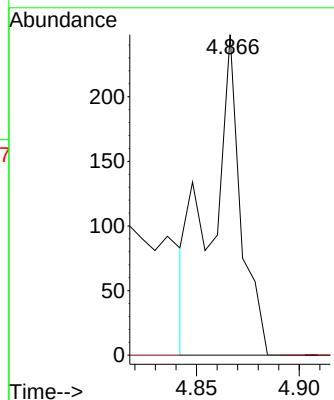
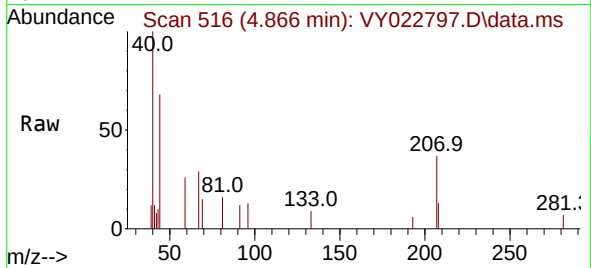




#11
Tert butyl alcohol
Concen: 1.129 ug/l
RT: 4.866 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

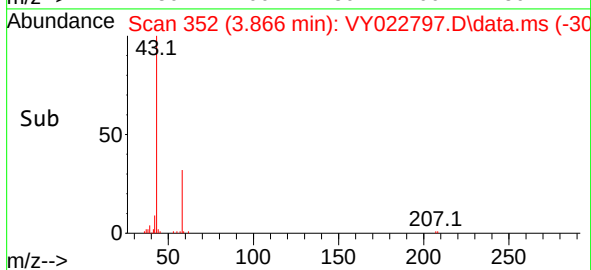
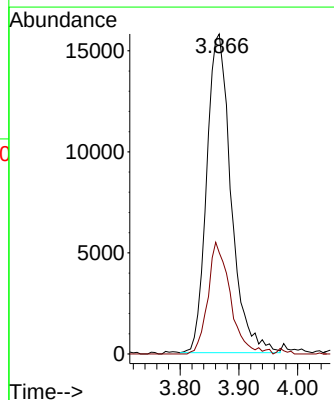
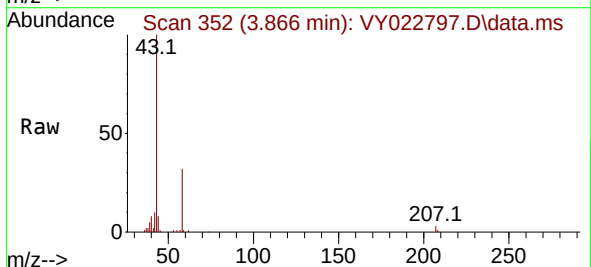
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ClientSampleId :
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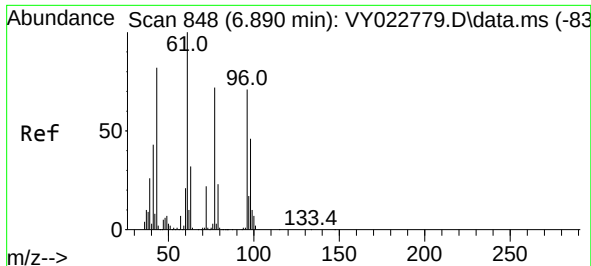
Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 71.627 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 43 Resp: 45449
Ion Ratio Lower Upper
43 100
58 31.4 24.0 36.0

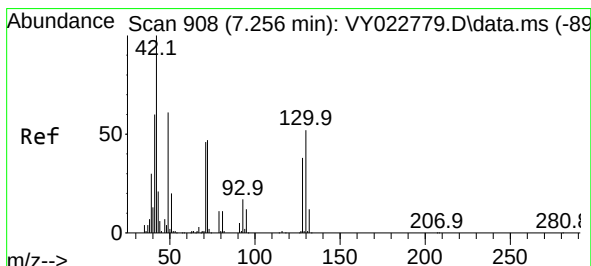
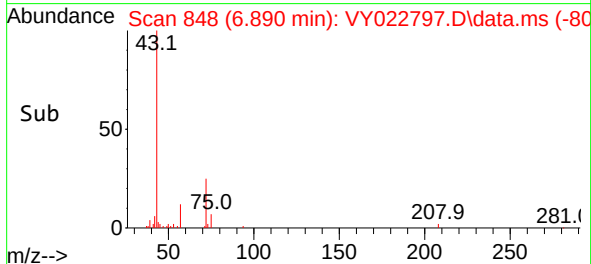
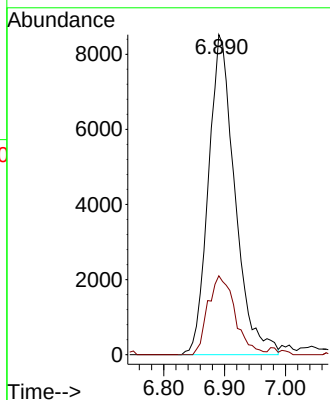
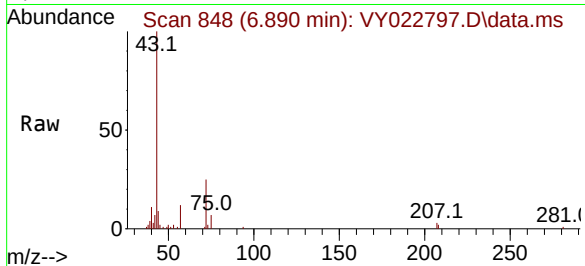




#25
2-Butanone
Concen: 27.842 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

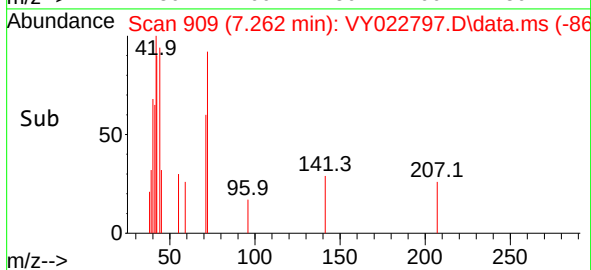
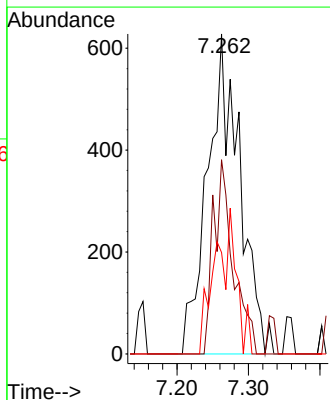
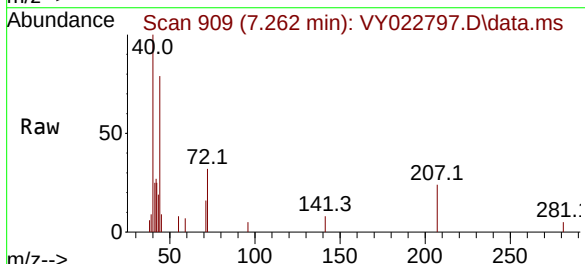
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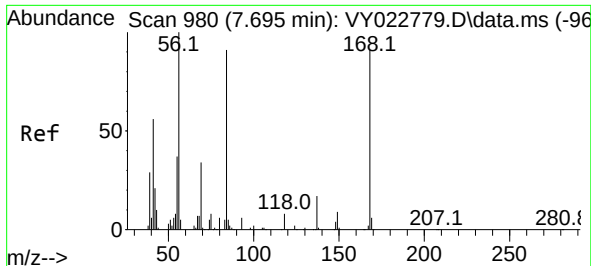
Tgt Ion: 43 Resp: 25712
Ion Ratio Lower Upper
43 100
72 24.7 22.9 34.3



#29
Tetrahydrofuran
Concen: 3.349 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 42 Resp: 1953
Ion Ratio Lower Upper
42 100
72 37.5 37.4 56.2
71 17.3 34.2 51.2#

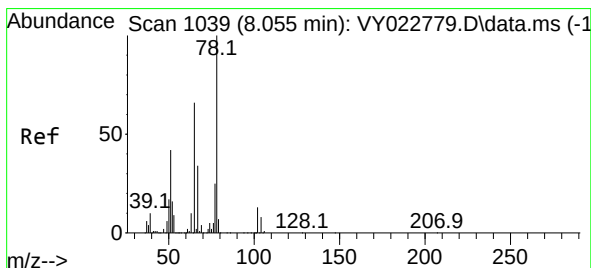
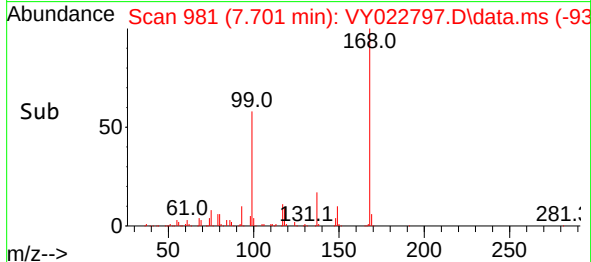
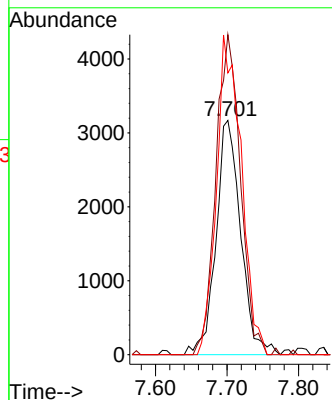
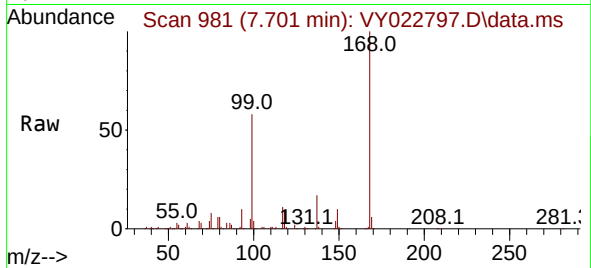




#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.701 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

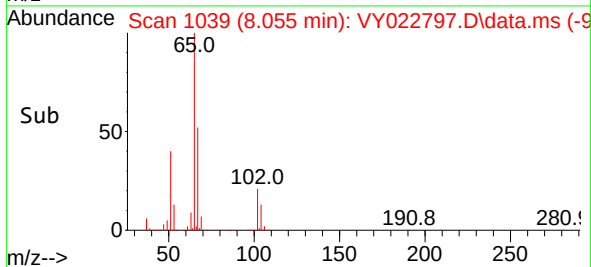
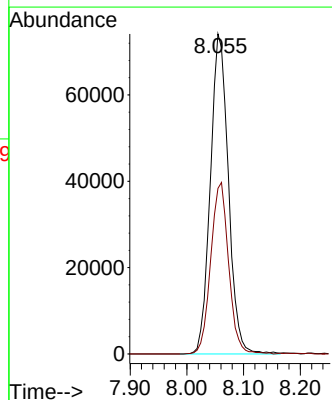
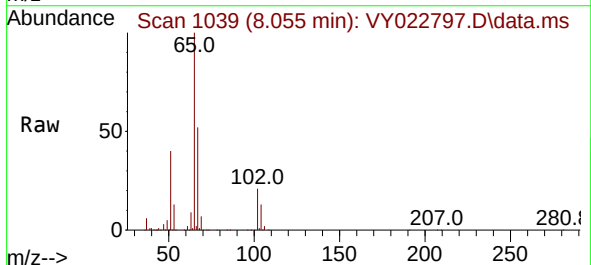
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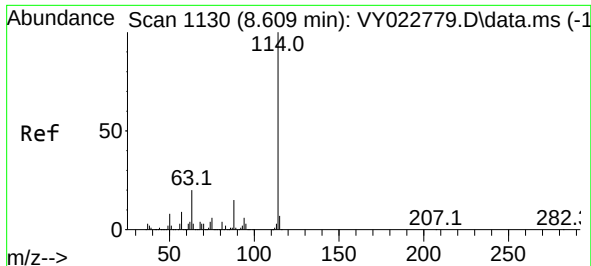
Tgt Ion: 56 Resp: 7593
Ion Ratio Lower Upper
56 100
69 136.6 27.0 40.6#
84 120.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 48.802 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 65 Resp: 163834
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

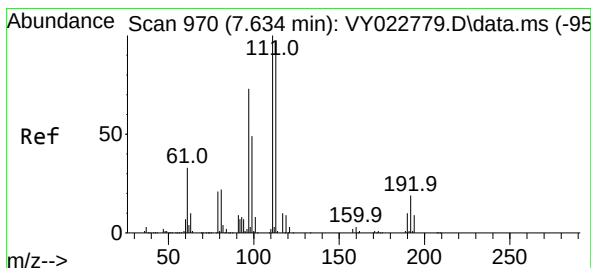
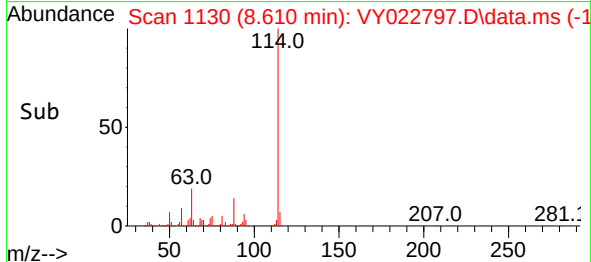
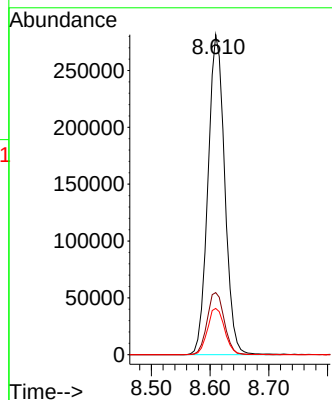
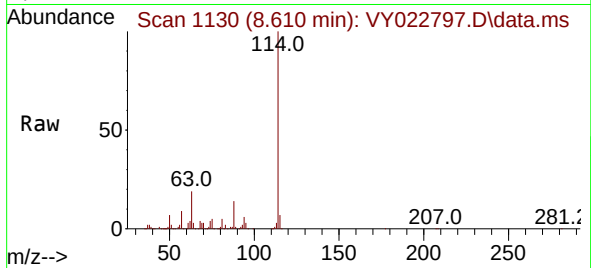




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

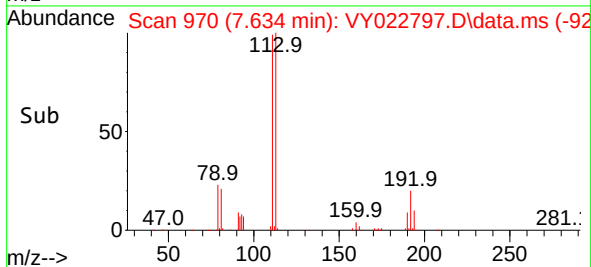
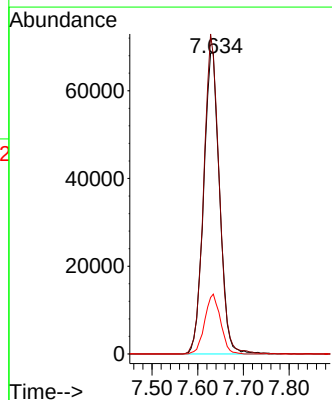
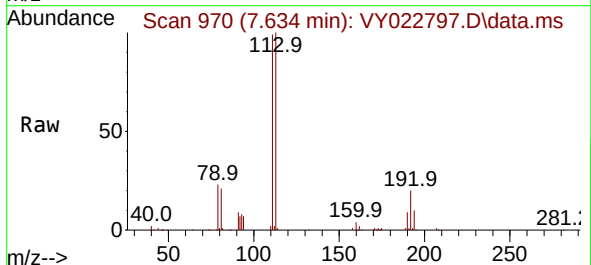
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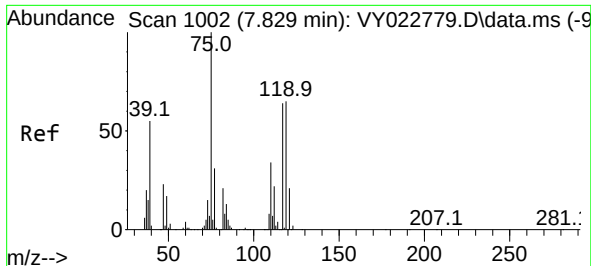
Tgt Ion:114 Resp: 557410
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.334 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:113 Resp: 167237
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 19.6 14.2 21.2

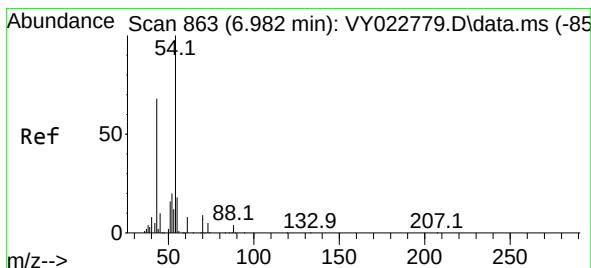
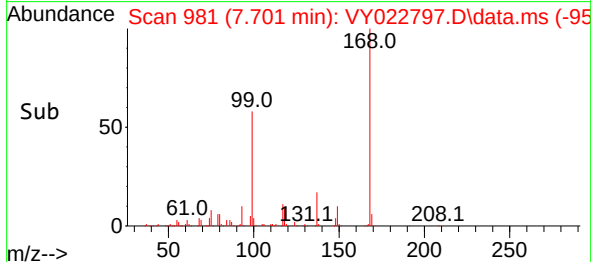
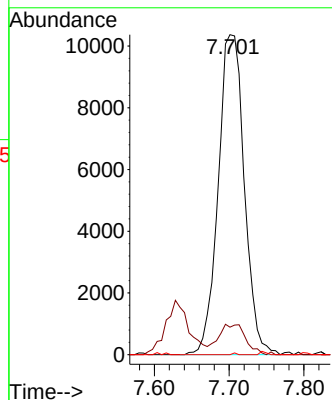
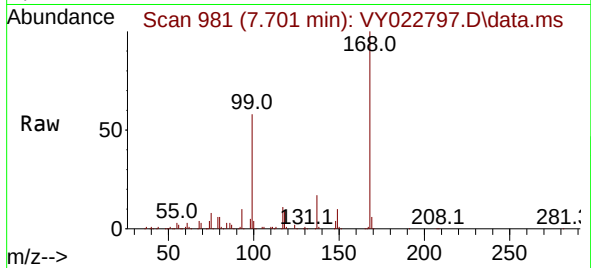




#36
 1,1-Dichloropropene
 Concen: 4.905 ug/l
 RT: 7.701 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VY022797.D
 Acq: 24 Jun 2025 15:06

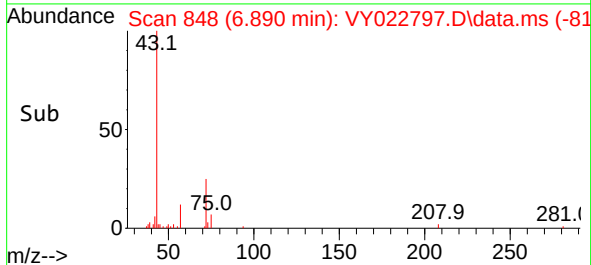
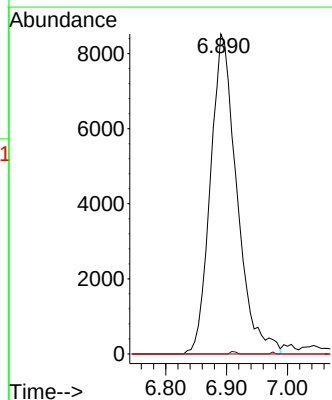
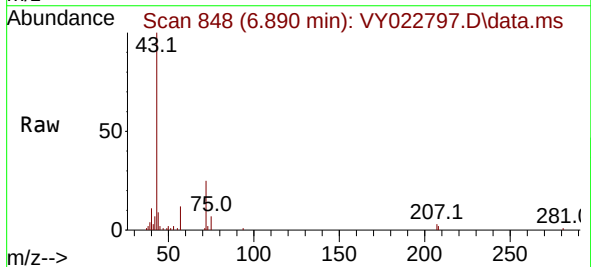
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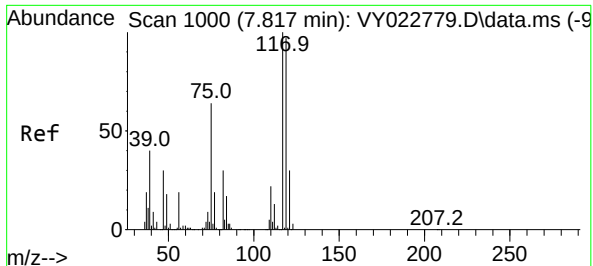
Tgt Ion: 75 Resp: 25205
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.9 50.7#
 77 0.1 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 11.596 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.104 min
 Lab File: VY022797.D
 Acq: 24 Jun 2025 15:06

Tgt Ion: 43 Resp: 25712
 Ion Ratio Lower Upper
 43 100
 61 0.2 11.5 17.3#
 70 0.0 7.2 10.8#

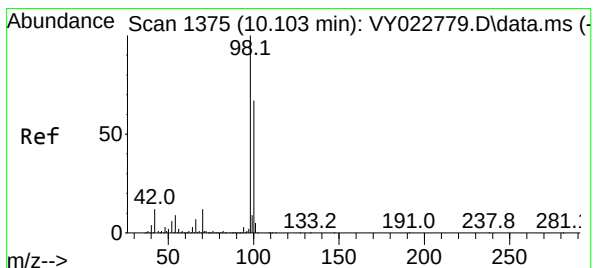
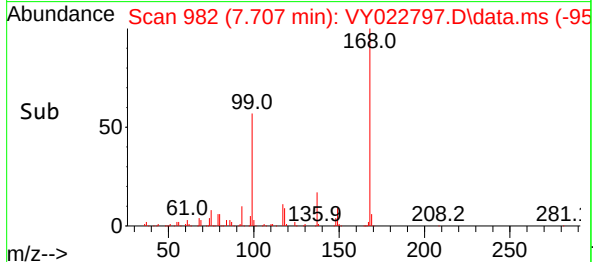
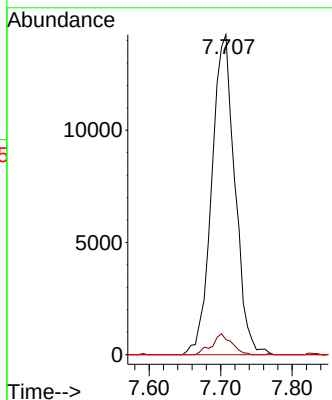
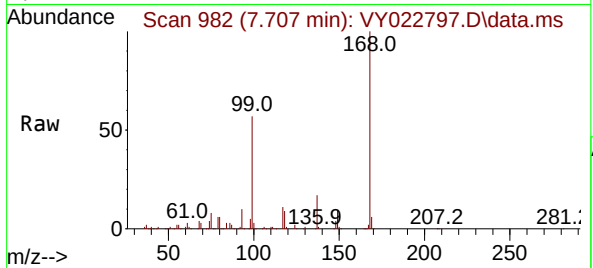




#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

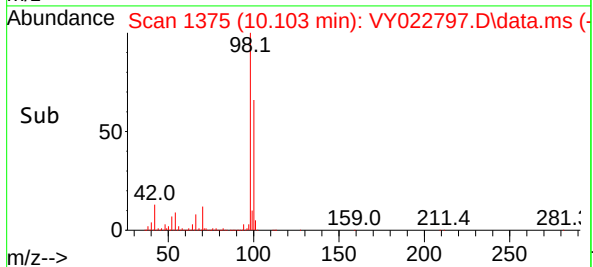
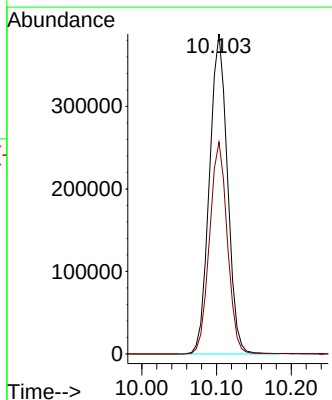
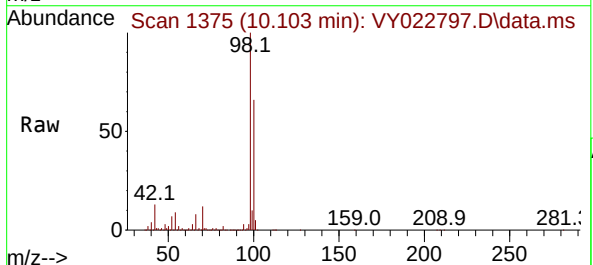
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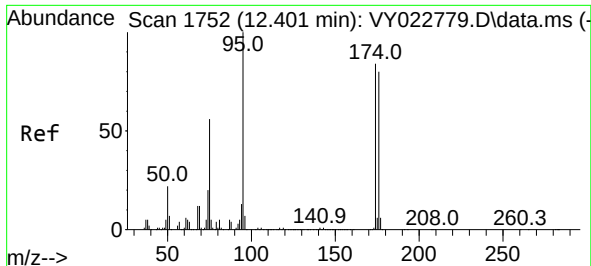
Tgt Ion:117 Resp: 32127
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 98 Resp: 650647
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0

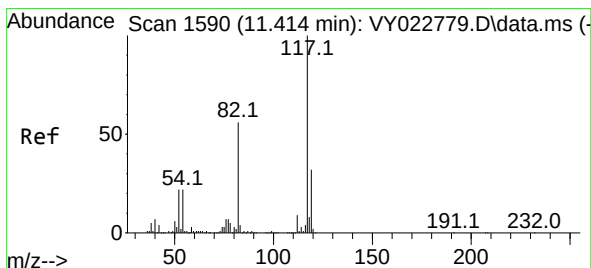
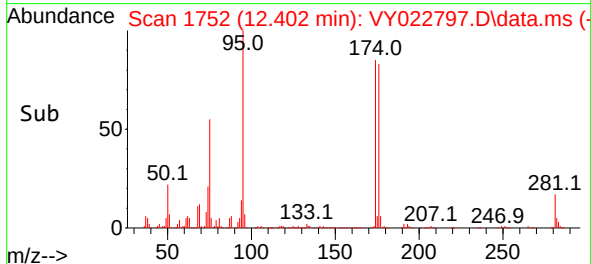
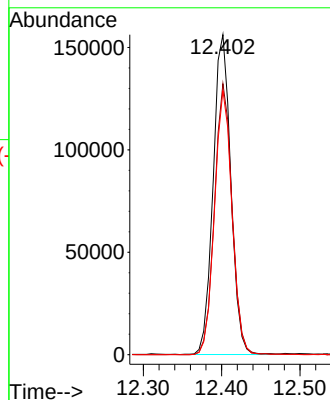
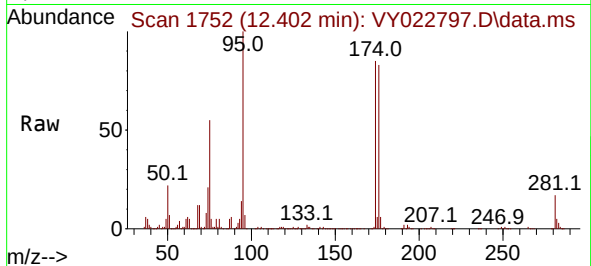




#62
4-Bromofluorobenzene
Concen: 56.501 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

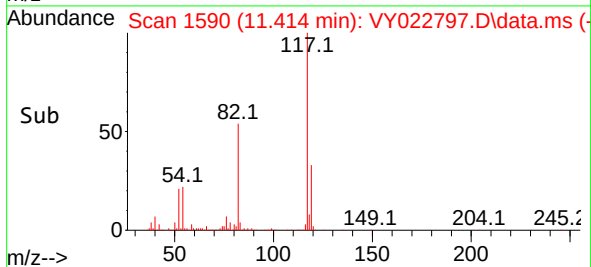
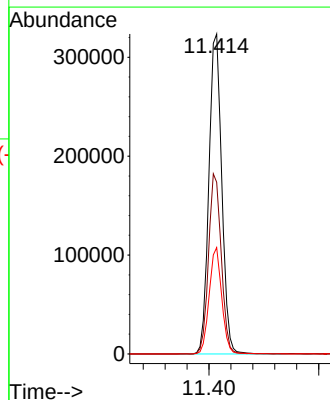
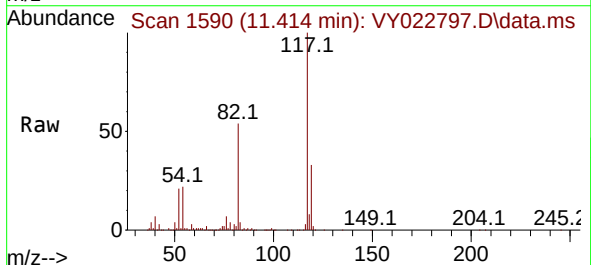
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

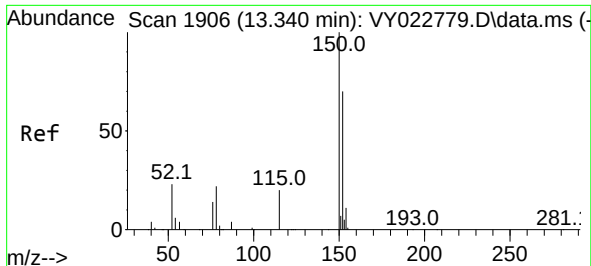
Tgt Ion:	95	Resp:	244323
Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.0
176	81.9	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:	117	Resp:	524757
Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	66.8
119	33.3	25.4	38.0

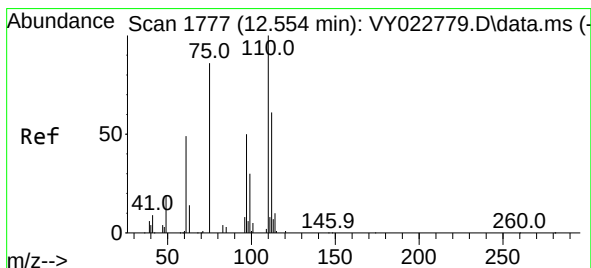
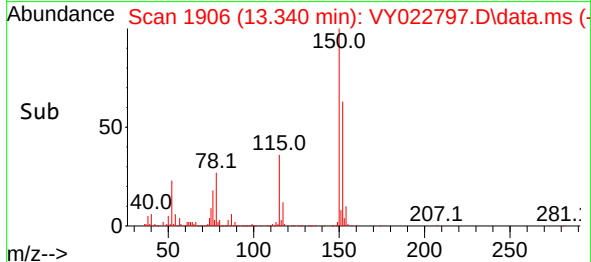
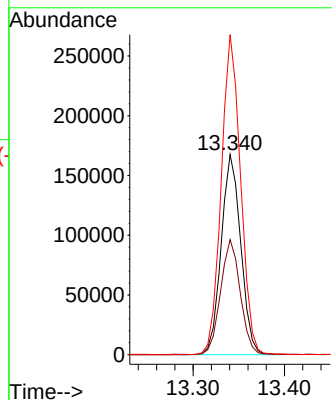
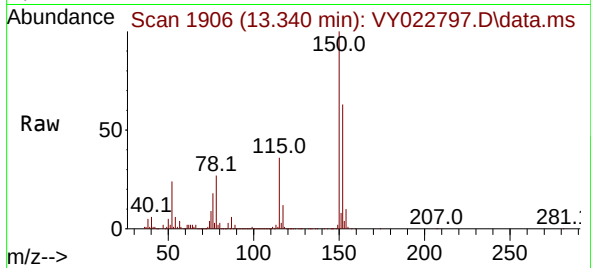




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022797.D
 Acq: 24 Jun 2025 15:06

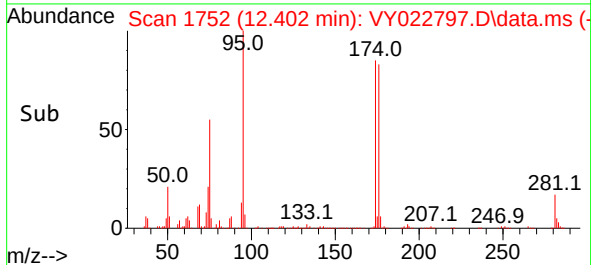
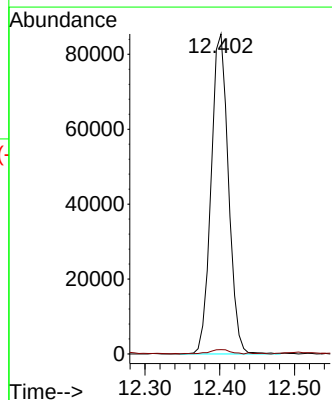
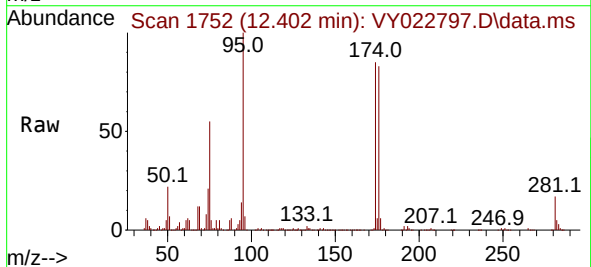
Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -3

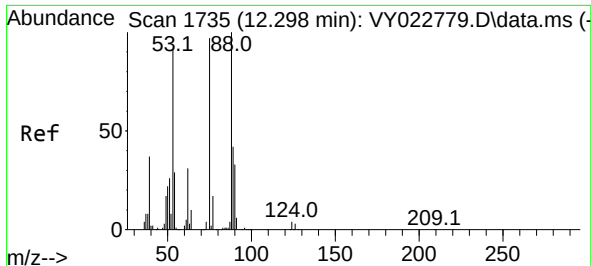
Tgt Ion:152 Resp: 249630
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.9 86.7
 150 158.0 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 54.121 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022797.D
 Acq: 24 Jun 2025 15:06

Tgt Ion: 75 Resp: 137929
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

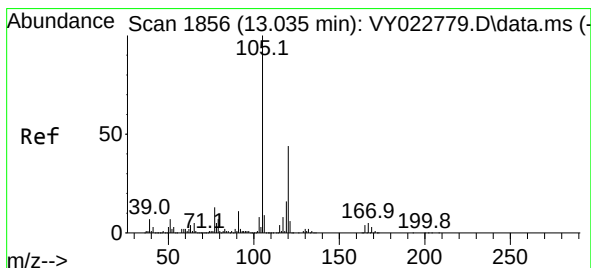
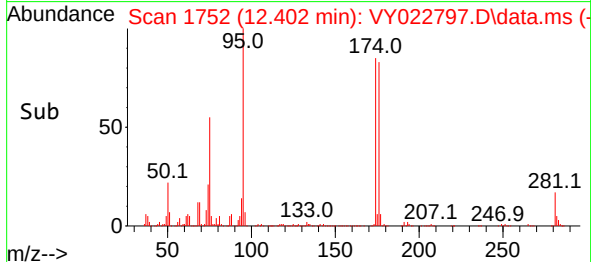
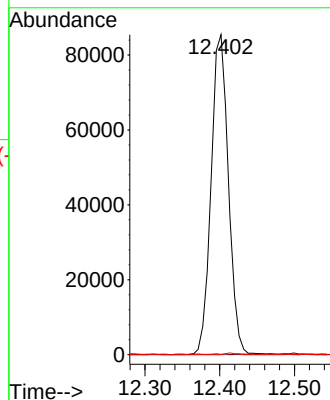
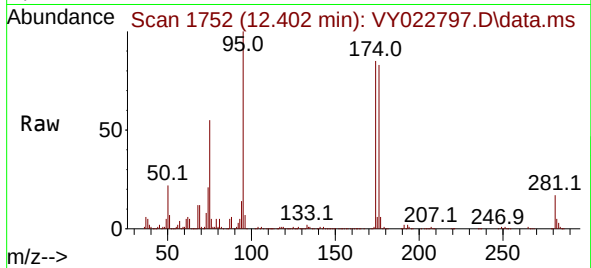




#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.732 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022797.D
 Acq: 24 Jun 2025 15:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 PARK AVE -3

Tgt Ion: 75 Resp: 137929
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.3 35.7 53.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.046 ug/l
 RT: 13.036 min Scan# 1856
 Delta R.T. -0.006 min
 Lab File: VY022797.D
 Acq: 24 Jun 2025 15:06

Tgt Ion: 105 Resp: 15601
 Ion Ratio Lower Upper
 105 100
 120 41.1 22.7 68.1

