

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022898.D
 Acq On : 01 Jul 2025 14:23
 Operator : SY/MD
 Sample : Q2458-04
 Misc : 3.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-67

Quant Time: Jul 02 02:47:20 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)

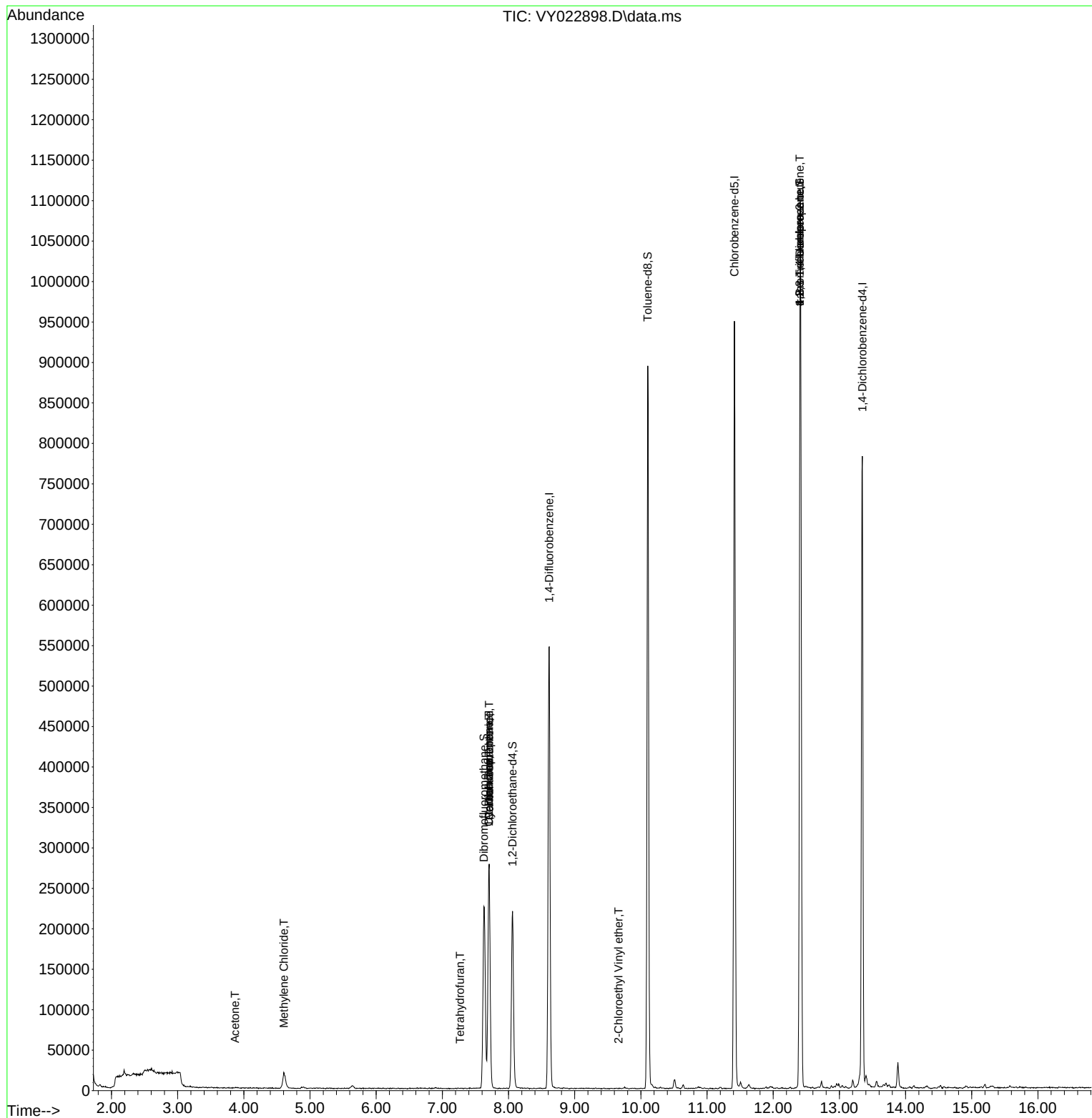
Internal Standards						
1) Pentafluorobenzene	7.707	168	206250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	466878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	481133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	195928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176873	76.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.680%	
35) Dibromofluoromethane	7.628	113	165355	58.237	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.480%	
50) Toluene-d8	10.103	98	561432	49.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	12.401	95	215150	59.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.800%	
Target Compounds						Qvalue
16) Acetone	3.866	43	651	1.496	ug/l #	73
20) Methylene Chloride	4.604	84	13056	4.752	ug/l	94
29) Tetrahydrofuran	7.268	42	507	1.268	ug/l #	38
31) Cyclohexane	7.701	56	5269	1.333	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	17767	4.128	ug/l #	51
38) Carbon Tetrachloride	7.707	117	21636	4.765	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.664	63	26	15.670	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	125823	62.903	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	125823	158.918	ug/l #	11

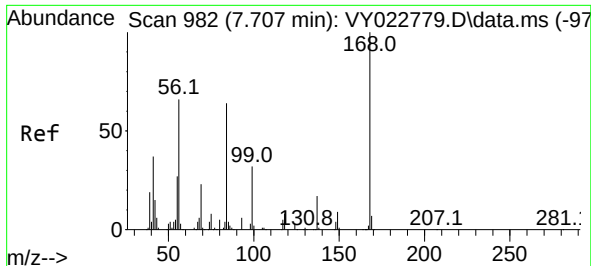
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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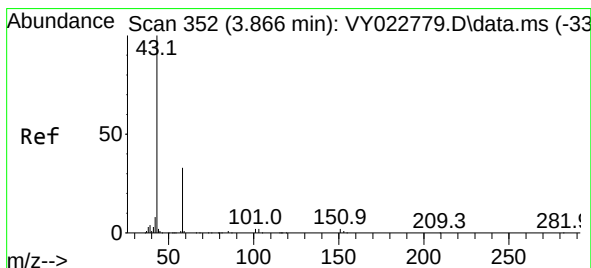
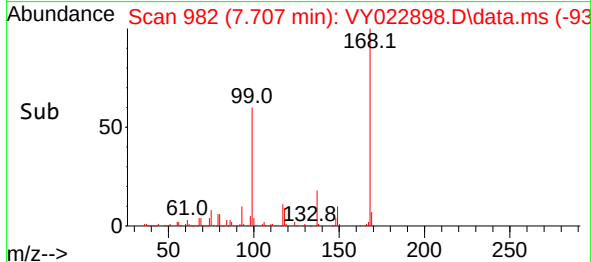
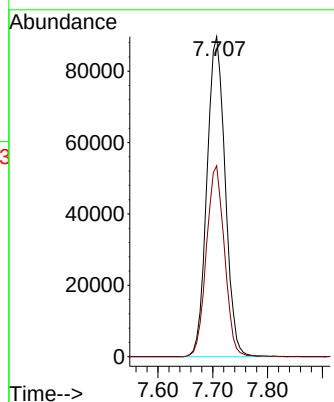
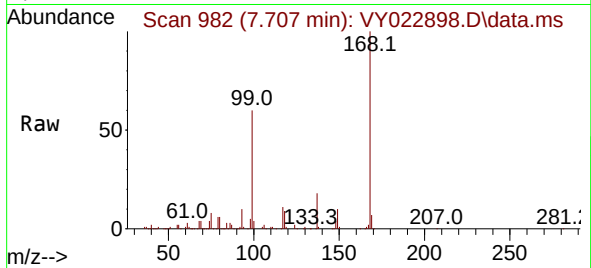




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

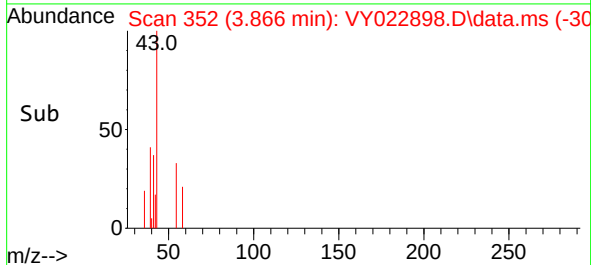
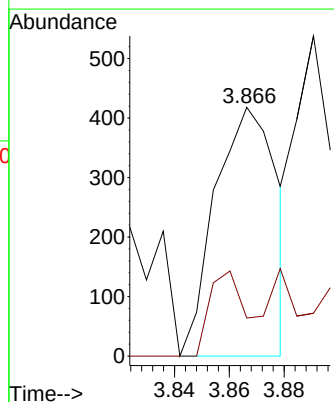
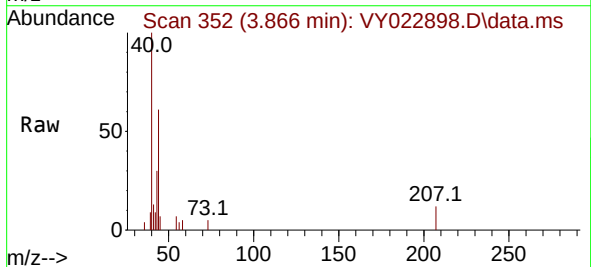
Instrument :
MSVOA_Y
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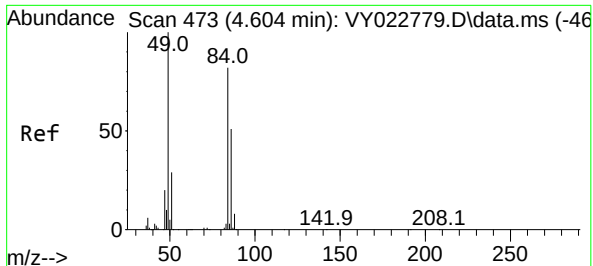
Tgt Ion:168 Resp: 206250
Ion Ratio Lower Upper
168 100
99 59.6 44.3 66.5



#16
Acetone
Concen: 1.496 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
58 15.3 24.0 36.0#





#20

Methylene Chloride

Concen: 4.752 ug/l

RT: 4.604 min Scan# 41

Delta R.T. -0.019 min

Lab File: VY022898.D

Acq: 01 Jul 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-67

Tgt Ion: 84 Resp: 13056

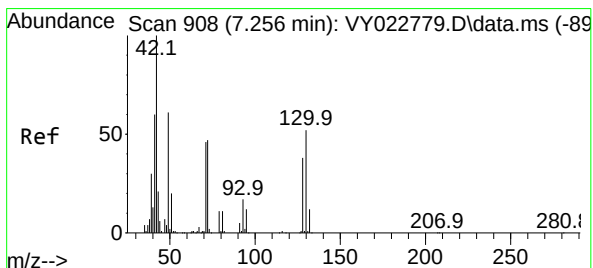
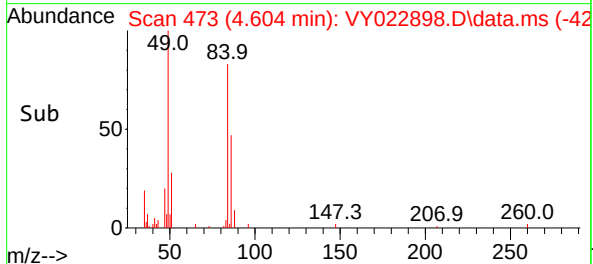
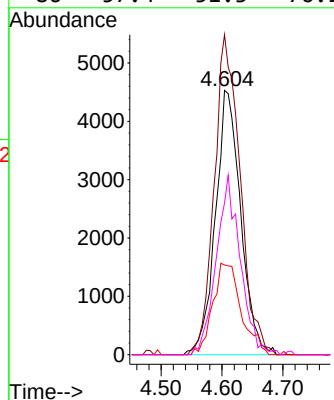
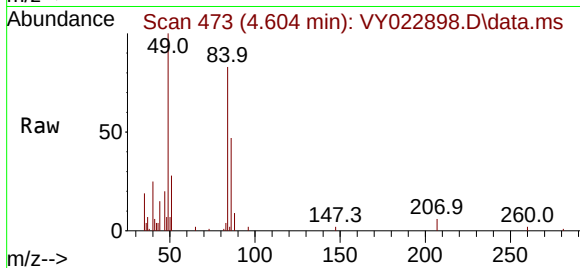
Ion Ratio Lower Upper

84 100

49 121.1 101.9 152.9

51 33.9 29.8 44.8

86 57.4 51.3 76.9



#29

Tetrahydrofuran

Concen: 1.268 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.000 min

Lab File: VY022898.D

Acq: 01 Jul 2025 14:23

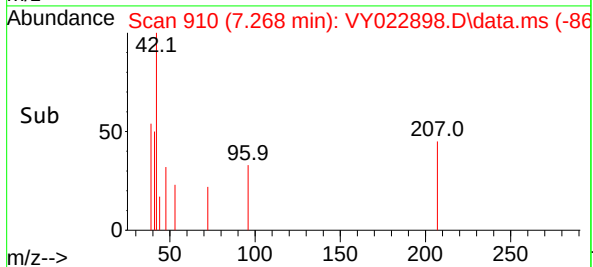
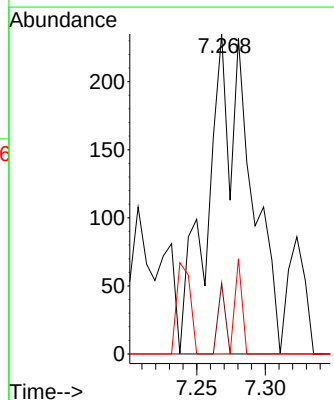
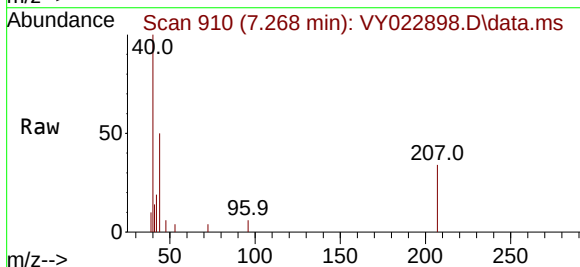
Tgt Ion: 42 Resp: 507

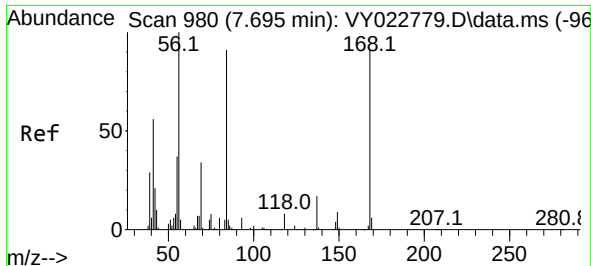
Ion Ratio Lower Upper

42 100

72 3.7 37.4 56.2#

71 5.1 34.2 51.2#

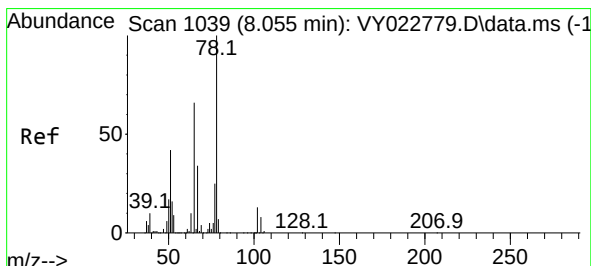
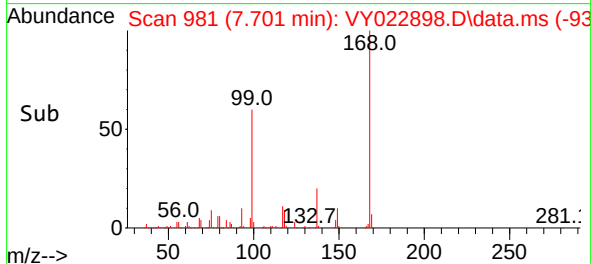
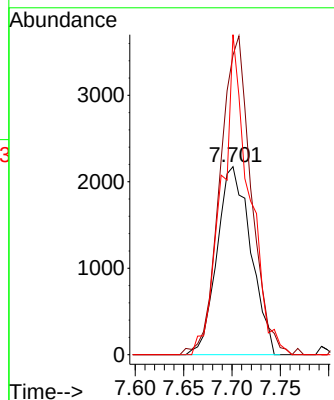
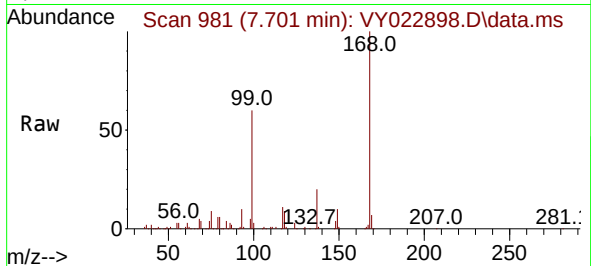




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

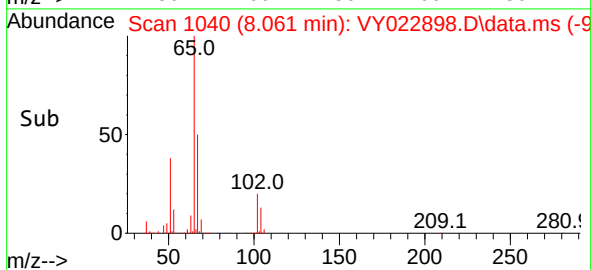
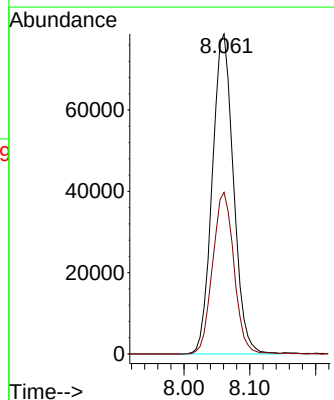
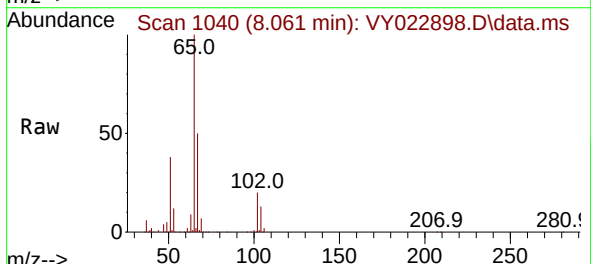
Instrument :
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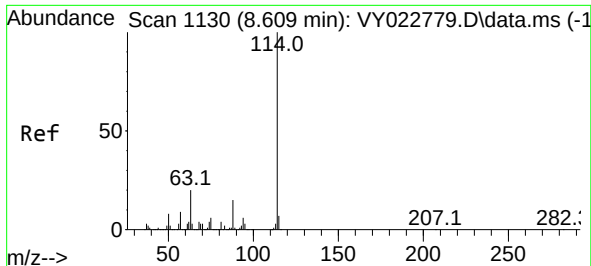
Tgt Ion: 56 Resp: 5269
Ion Ratio Lower Upper
56 100
69 159.3 27.0 40.6#
84 170.2 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 76.836 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Tgt Ion: 65 Resp: 176873
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

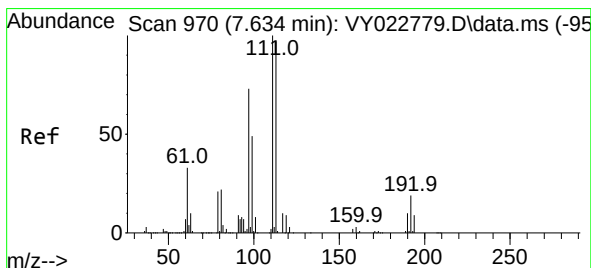
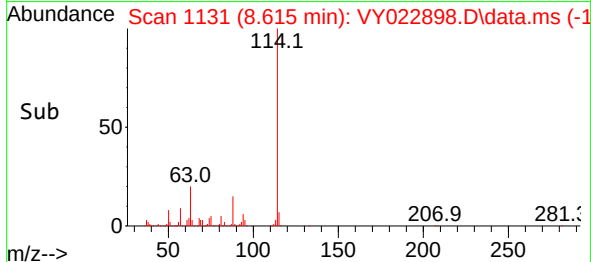
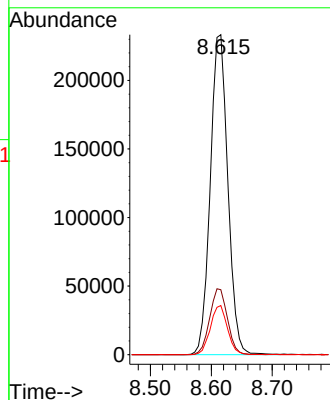
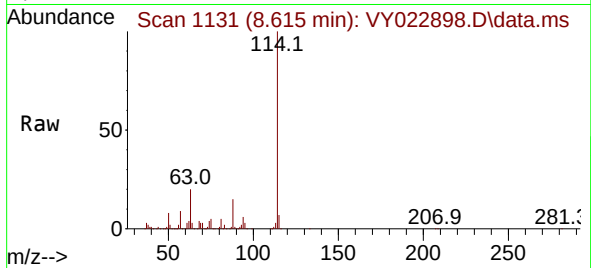




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

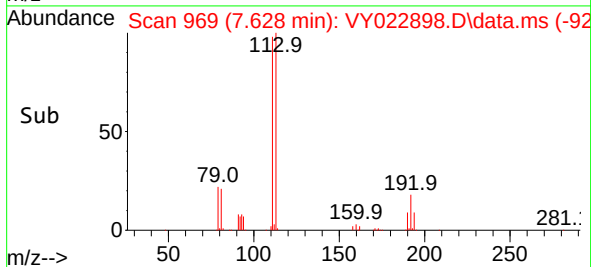
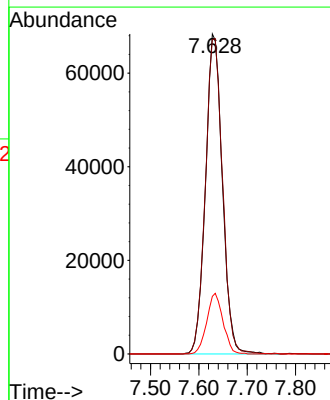
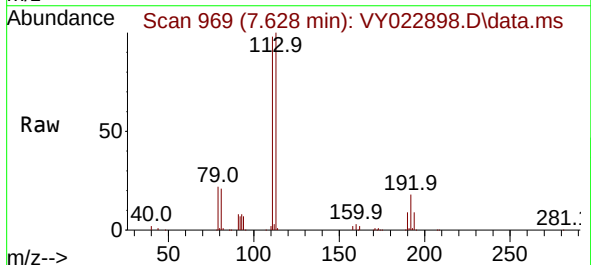
Instrument :
MSVOA_Y
ClientSampleId :
TP-67

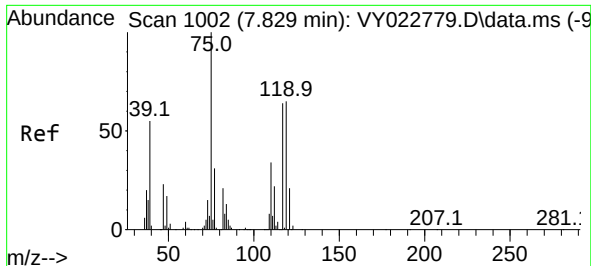
Tgt Ion:114 Resp: 466878
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 15.3 0.0 27.8



#35
Dibromofluoromethane
Concen: 58.237 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Tgt Ion:113 Resp: 165355
Ion Ratio Lower Upper
113 100
111 100.4 81.1 121.7
192 18.3 14.2 21.2

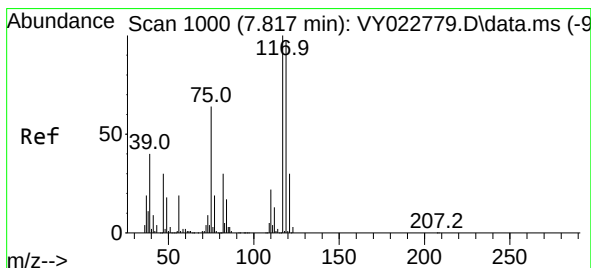
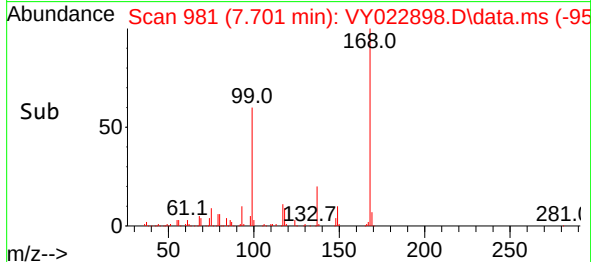
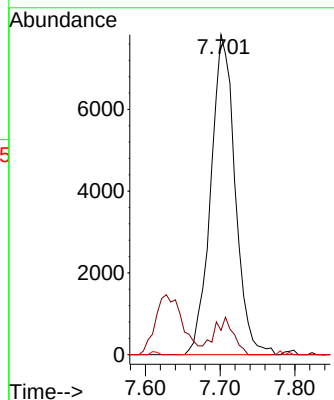
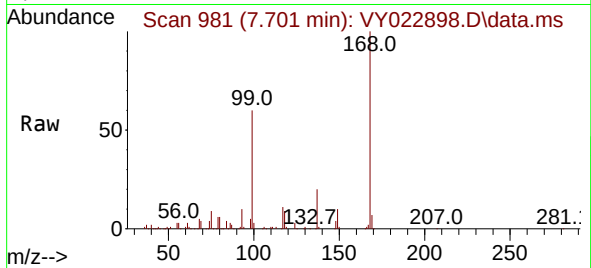




#36
 1,1-Dichloropropene
 Concen: 4.128 ug/l
 RT: 7.701 min Scan# 91
 Delta R.T. -0.140 min
 Lab File: VY022898.D
 Acq: 01 Jul 2025 14:23

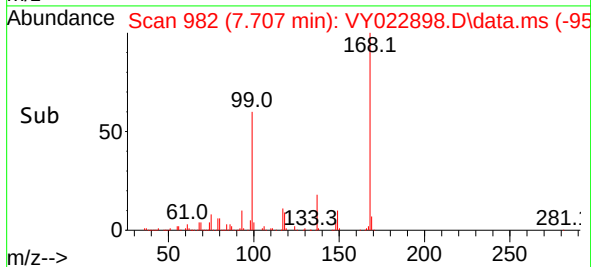
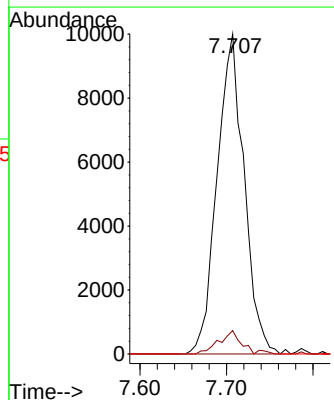
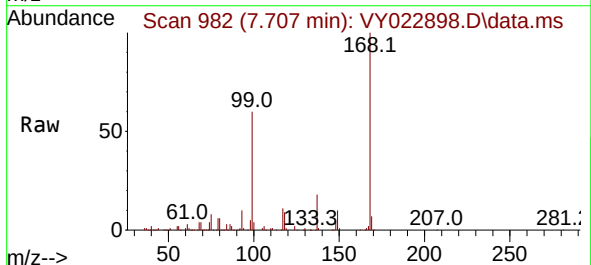
Instrument :
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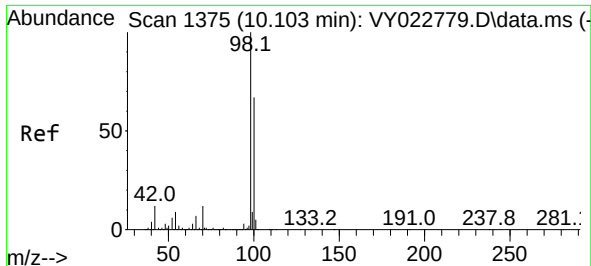
Tgt Ion: 75 Resp: 17767
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 4.765 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY022898.D
 Acq: 01 Jul 2025 14:23

Tgt Ion: 117 Resp: 21636
 Ion Ratio Lower Upper
 117 100
 119 7.3 75.0 112.6#
 121 0.0 25.0 37.4#

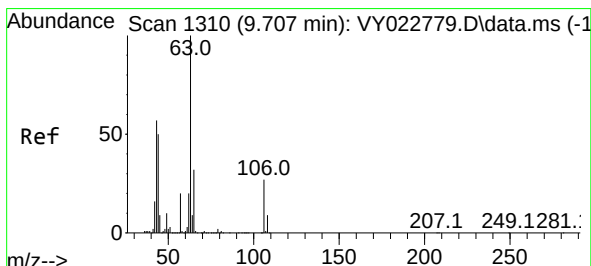
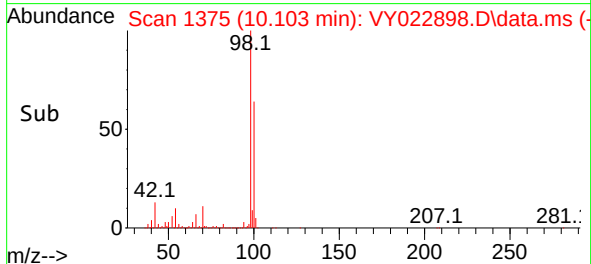
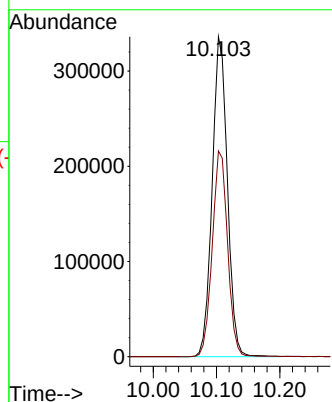
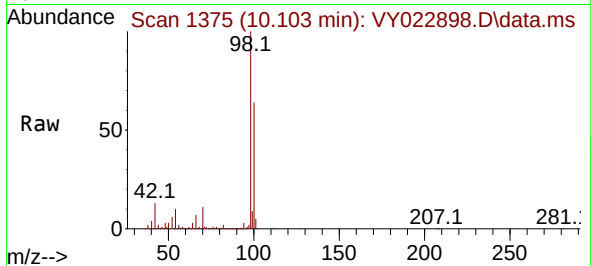




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

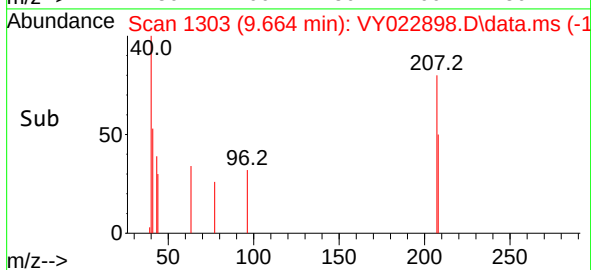
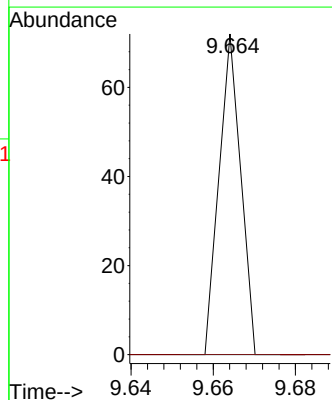
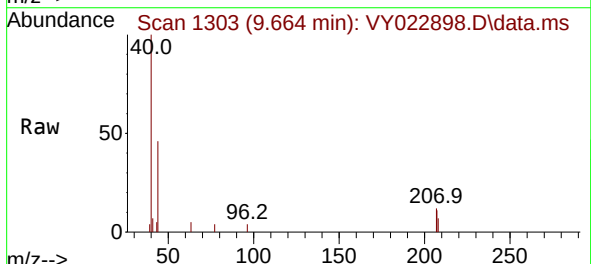
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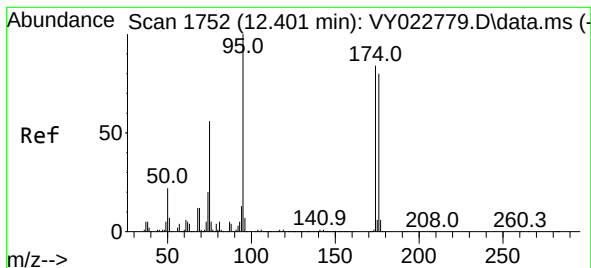
Tgt Ion: 98 Resp: 561432
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.670 ug/l
RT: 9.664 min Scan# 1303
Delta R.T. -0.049 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

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

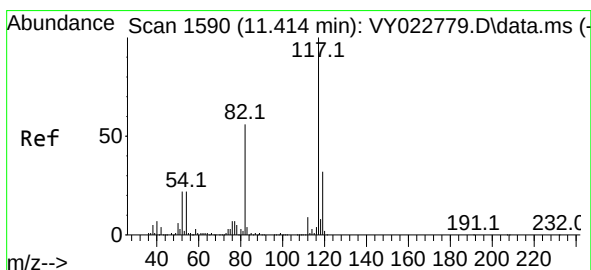
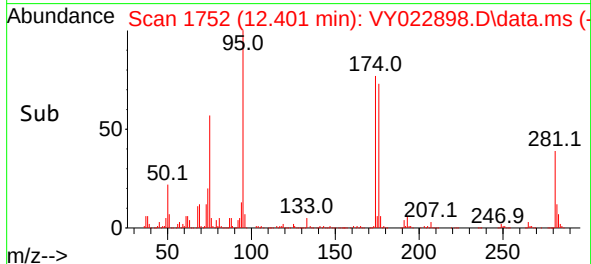
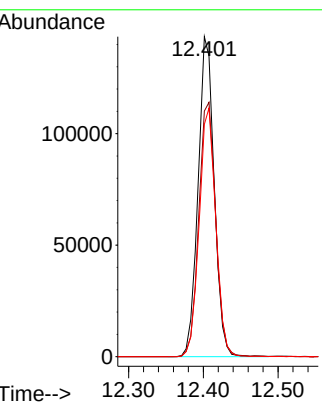
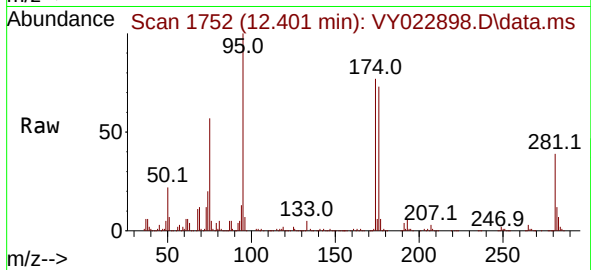




#62
4-Bromofluorobenzene
Concen: 59.402 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

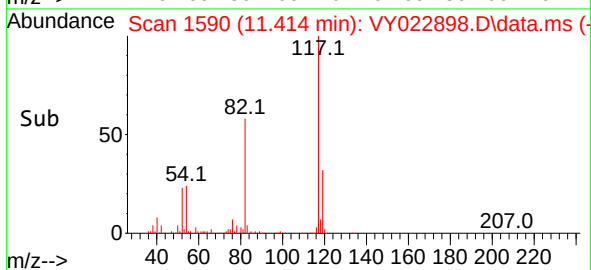
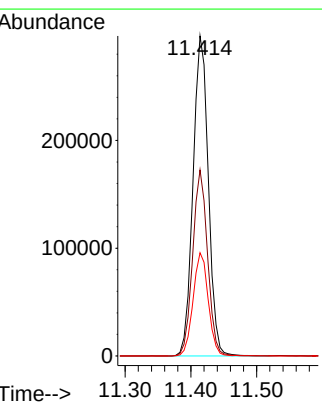
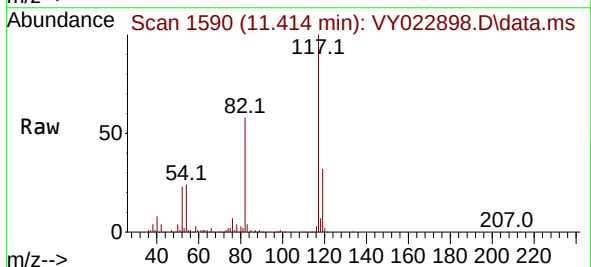
Instrument :
MSVOA_Y
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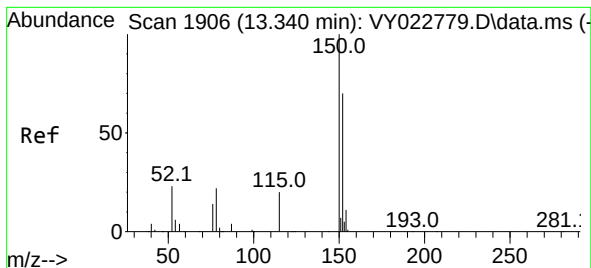
Tgt Ion: 95 Resp: 215150
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.0
176 80.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022898.D
Acq: 01 Jul 2025 14:23

Tgt Ion: 117 Resp: 481133
Ion Ratio Lower Upper
117 100
82 58.1 44.6 66.8
119 32.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022898.D

Acq: 01 Jul 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-67

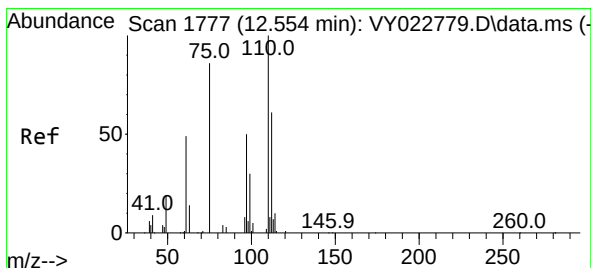
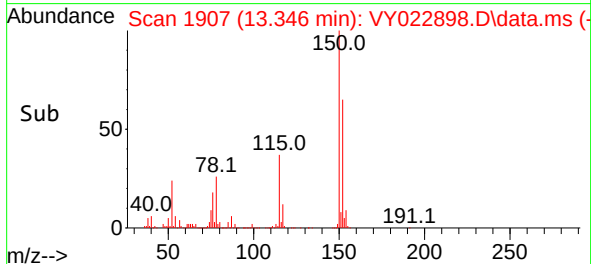
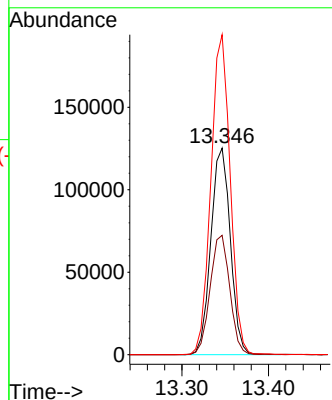
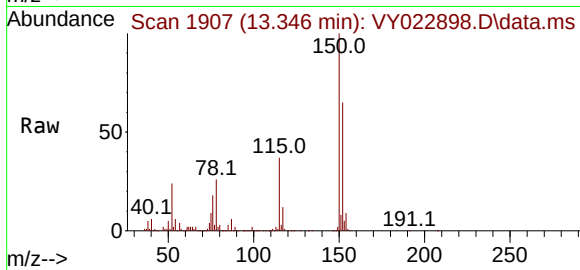
Tgt Ion:152 Resp: 195928

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 153.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 62.903 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022898.D

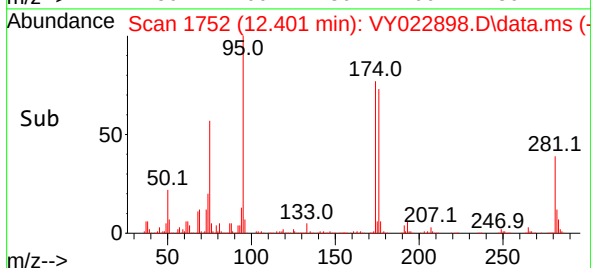
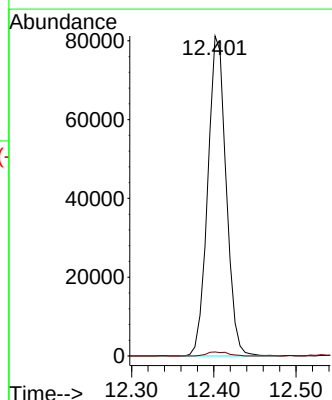
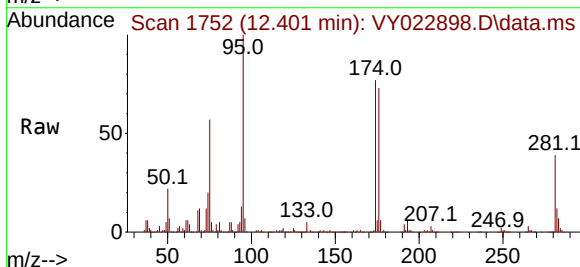
Acq: 01 Jul 2025 14:23

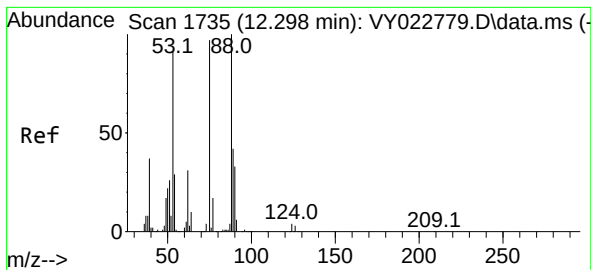
Tgt Ion: 75 Resp: 125823

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.918 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022898.D
 Acq: 01 Jul 2025 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-67

Tgt Ion: 75 Resp: 125823
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 1.5 35.7 53.5#

