

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022962.D
 Acq On : 07 Jul 2025 15:59
 Operator : SY/MD
 Sample : Q2584-05
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-106

Quant Time: Jul 08 01:49:17 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)

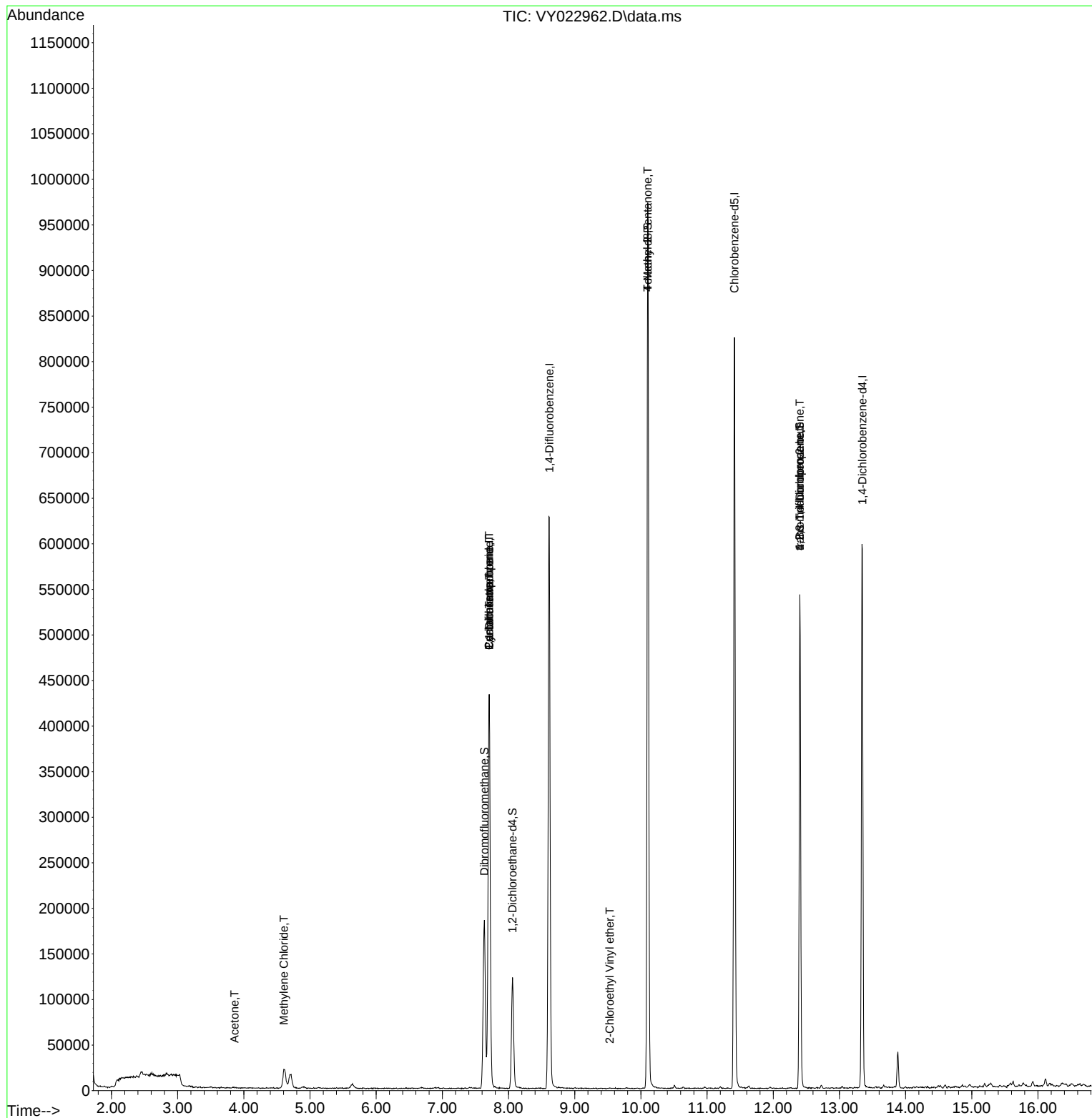
Internal Standards						
1) Pentafluorobenzene	7.707	168	323591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	533342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96220	26.642	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	53.280%		
35) Dibromofluoromethane	7.634	113	130366	40.193	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.380%		
50) Toluene-d8	10.103	98	622742	48.384	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.760%		
62) 4-Bromofluorobenzene	12.402	95	160687	38.836	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.680%		
Target Compounds						Qvalue
16) Acetone	3.860	43	950	1.392	ug/l #	75
20) Methylene Chloride	4.604	84	15610	3.621	ug/l	93
31) Cyclohexane	7.707	56	8165	1.316	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	27881	5.671	ug/l #	51
38) Carbon Tetrachloride	7.707	117	32826	6.328	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	2915	1.301	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.530	63	19	15.665	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	89302	57.766	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	89302	145.940	ug/l #	11

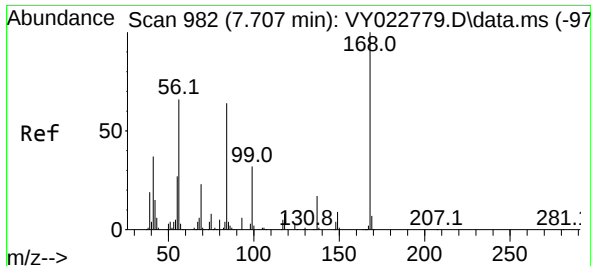
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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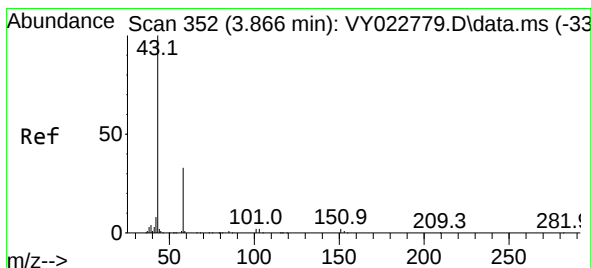
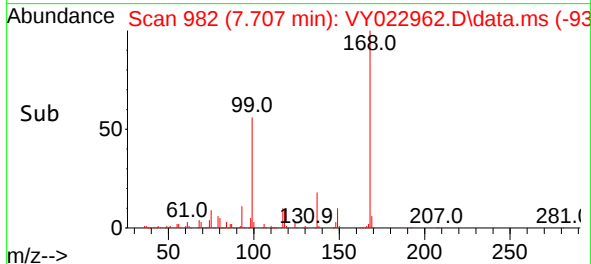
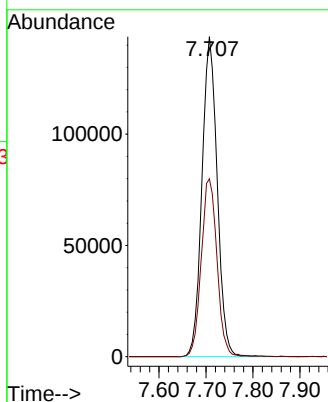
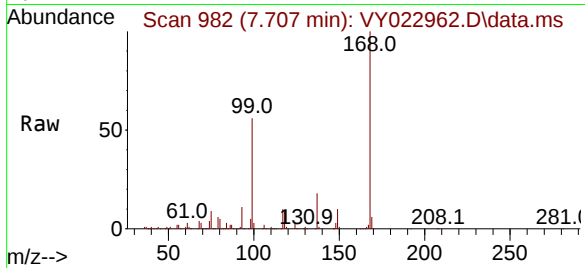




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

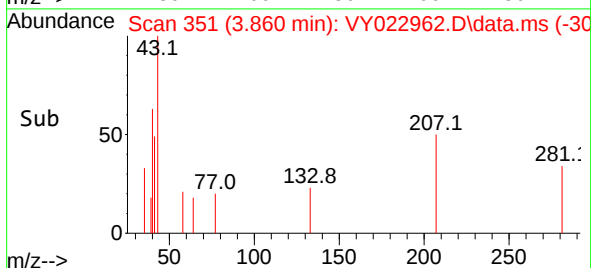
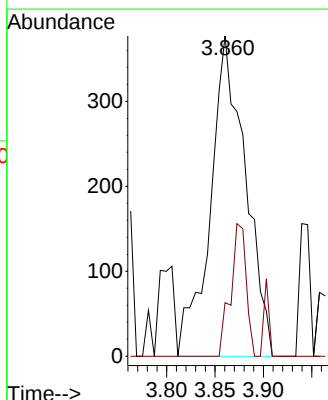
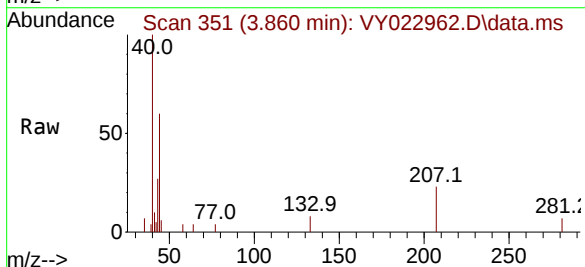
Instrument :
MSVOA_Y
ClientSampleId :
TP-106

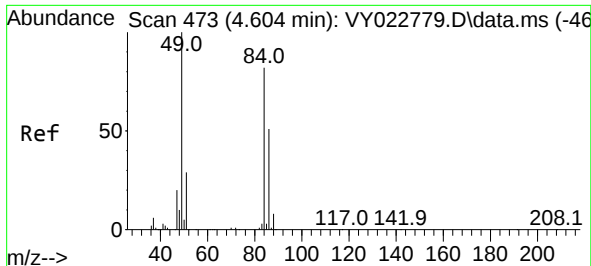
Tgt Ion:168 Resp: 323591
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#16
Acetone
Concen: 1.392 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 16.7 24.0 36.0#

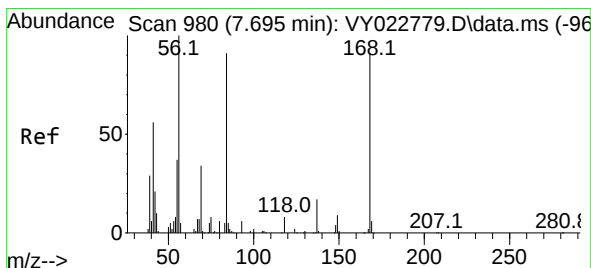
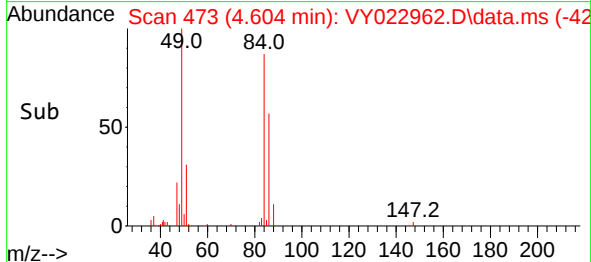
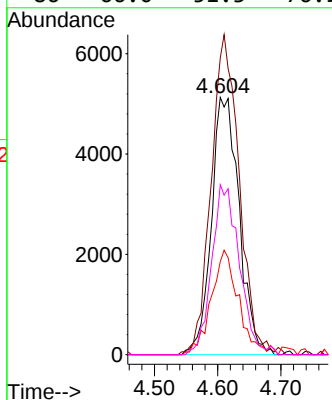
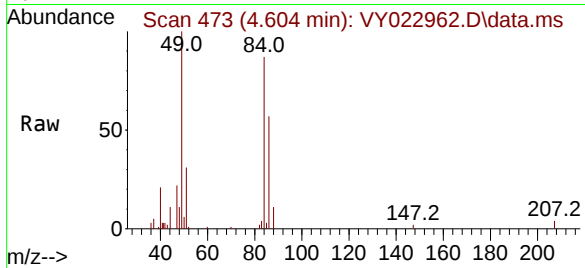




#20
Methylene Chloride
Concen: 3.621 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

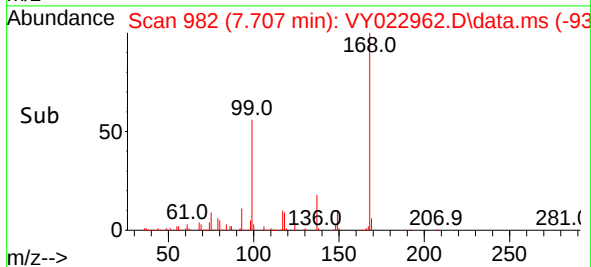
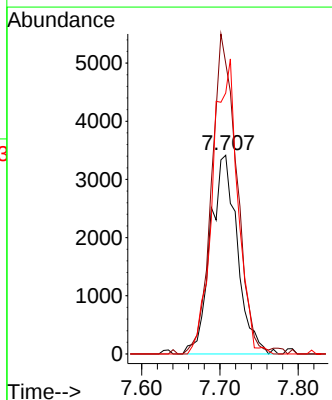
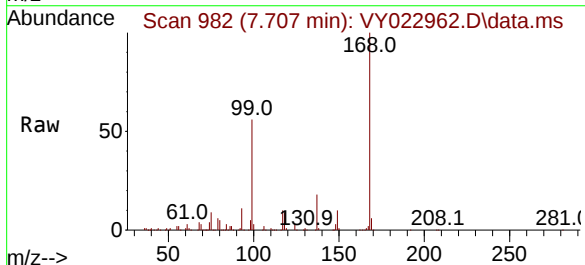
Instrument :
MSVOA_Y
ClientSampleId :
TP-106

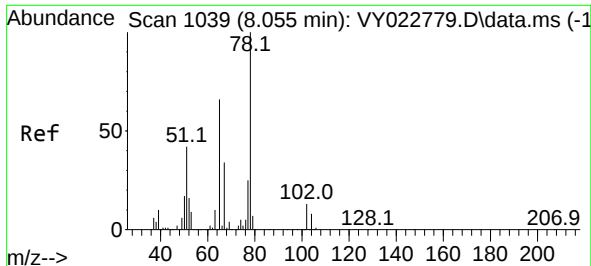
Tgt Ion:	84	Resp:	15610
Ion	Ratio	Lower	Upper
84	100		
49	115.4	101.9	152.9
51	36.2	29.8	44.8
86	66.0	51.3	76.9



#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

Tgt Ion:	56	Resp:	8165
Ion	Ratio	Lower	Upper
56	100		
69	146.4	27.0	40.6#
84	131.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 26.642 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022962.D

Acq: 07 Jul 2025 15:59

Instrument :

MSVOA_Y

ClientSampleId :

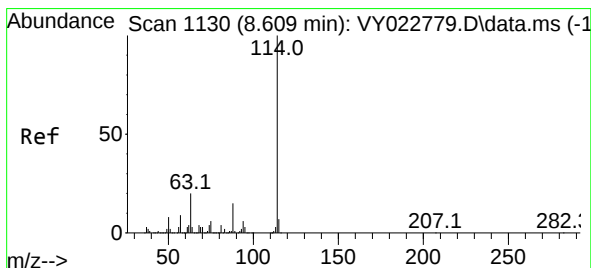
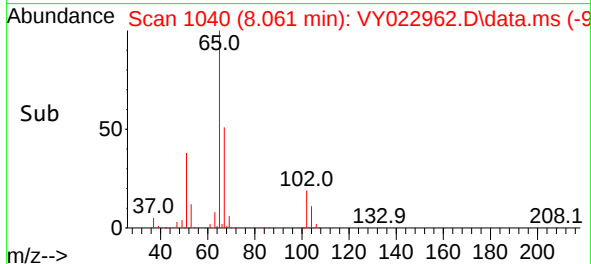
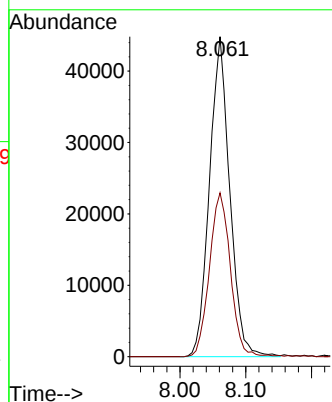
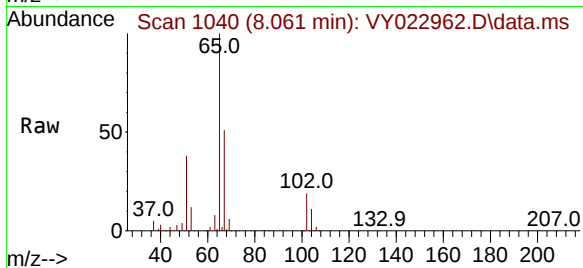
TP-106

Tgt Ion: 65 Resp: 96220

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022962.D

Acq: 07 Jul 2025 15:59

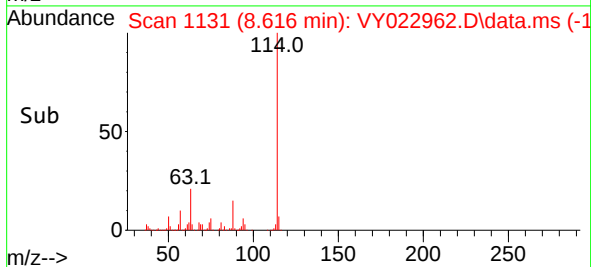
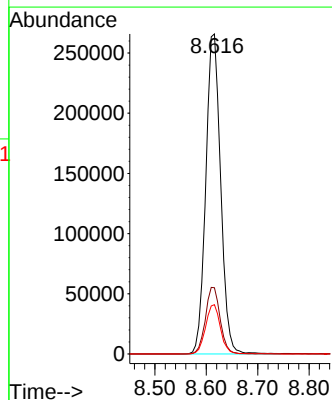
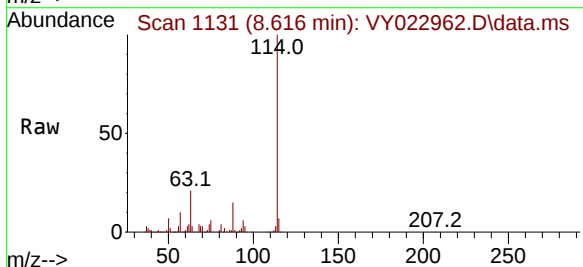
Tgt Ion: 114 Resp: 533342

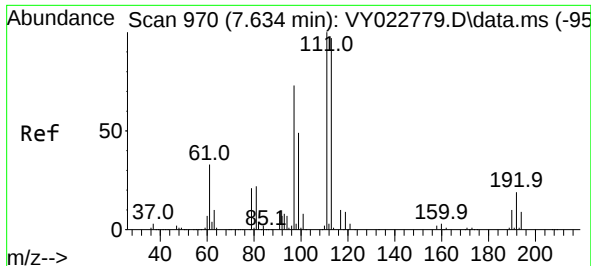
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.4 0.0 27.8

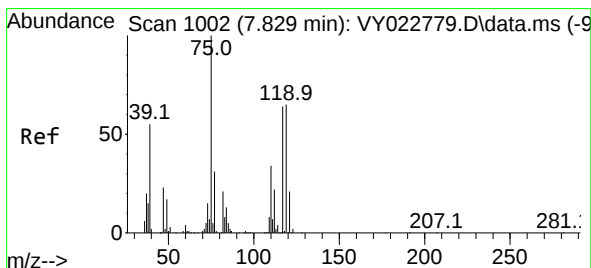
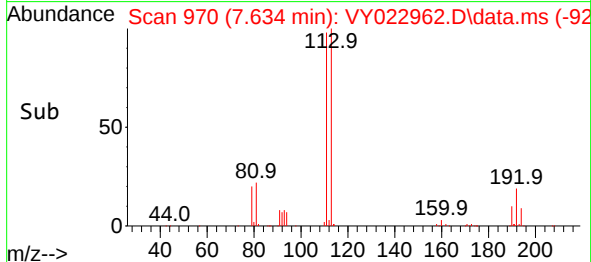
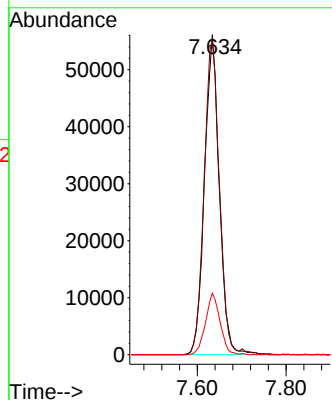
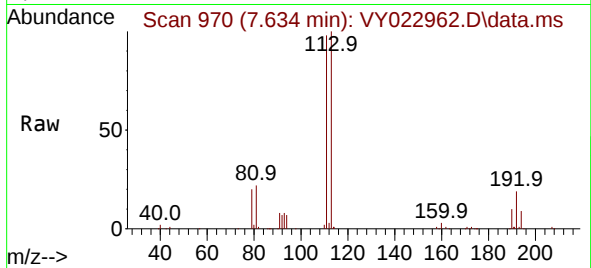




#35
Dibromofluoromethane
Concen: 40.193 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

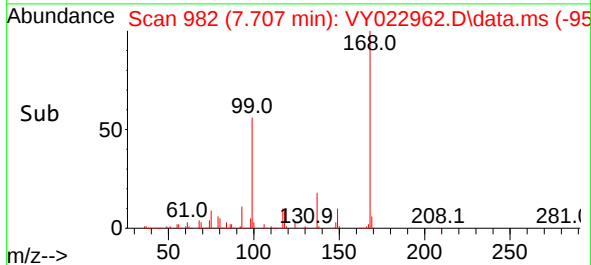
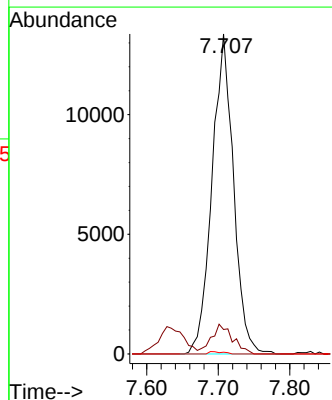
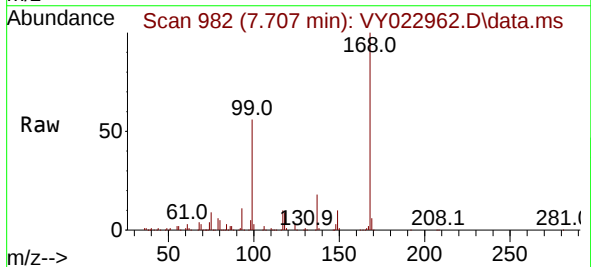
Instrument :
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ClientSampleId :
TP-106

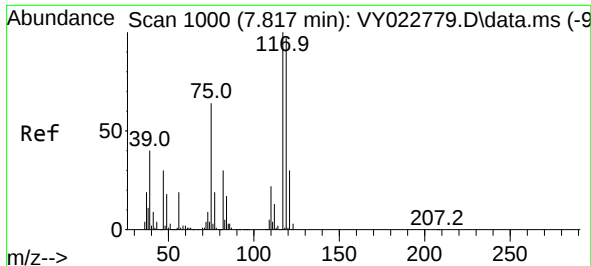
Tgt Ion:113 Resp: 130366
Ion Ratio Lower Upper
113 100
111 101.0 81.1 121.7
192 18.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.671 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

Tgt Ion: 75 Resp: 27881
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.5 24.8 37.2#

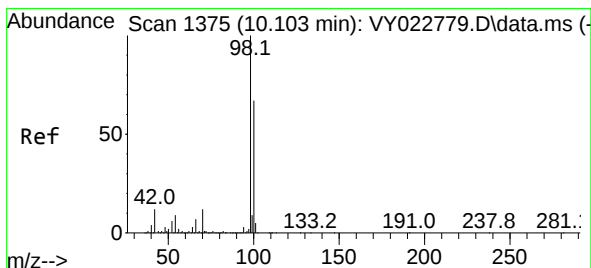
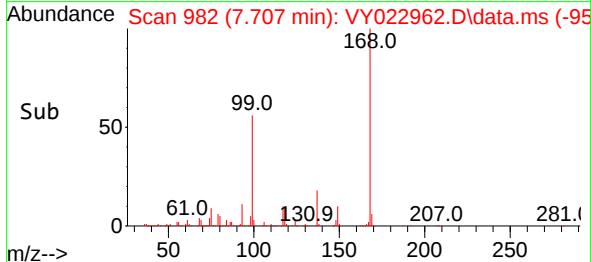
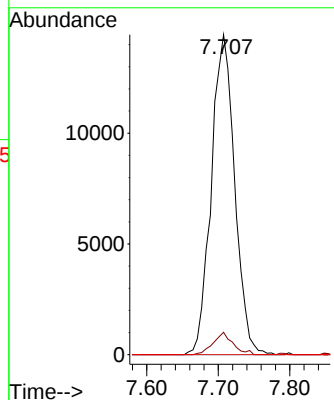
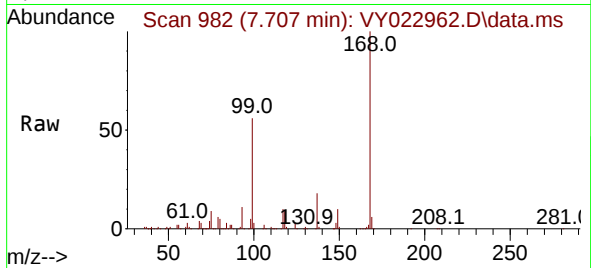




#38
Carbon Tetrachloride
Concen: 6.328 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

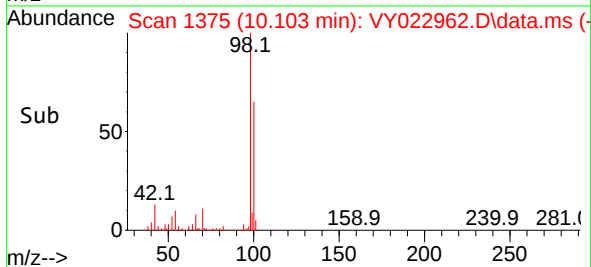
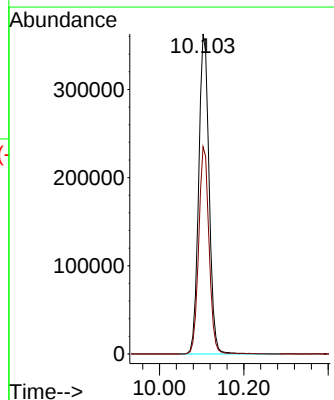
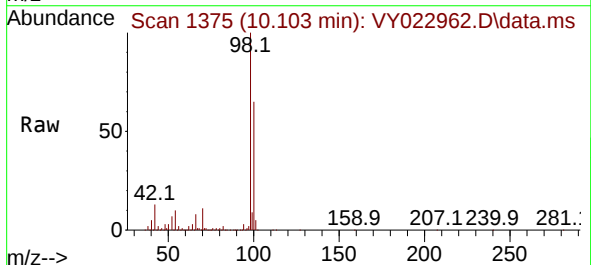
Instrument :
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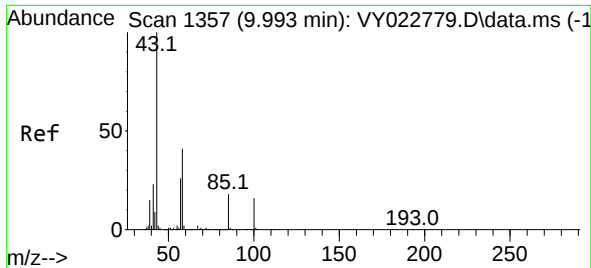
Tgt Ion:117 Resp: 32826
Ion Ratio Lower Upper
117 100
119 7.0 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 48.384 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022962.D
Acq: 07 Jul 2025 15:59

Tgt Ion: 98 Resp: 622742
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.301 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY022962.D

Acq: 07 Jul 2025 15:59

Instrument :

MSVOA_Y

ClientSampleId :

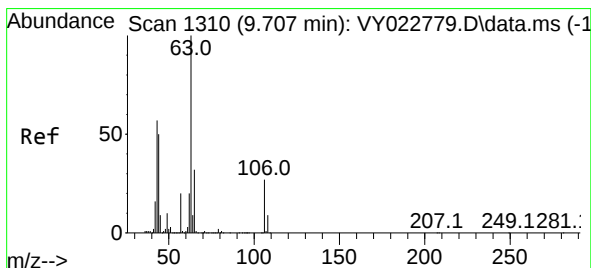
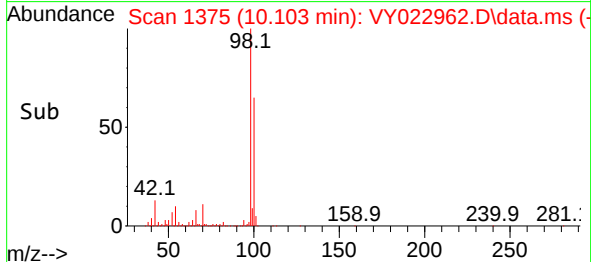
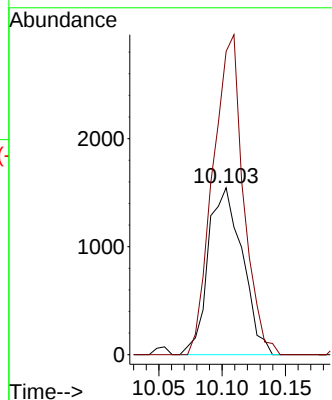
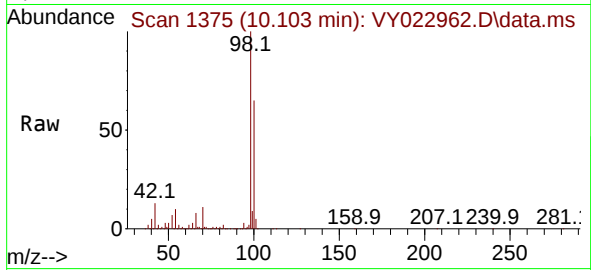
TP-106

Tgt Ion: 43 Resp: 2915

Ion Ratio Lower Upper

43 100

58 170.7 30.4 45.6#



#58

2-Chloroethyl Vinyl ether

Concen: 15.665 ug/l

RT: 9.530 min Scan# 1281

Delta R.T. -0.183 min

Lab File: VY022962.D

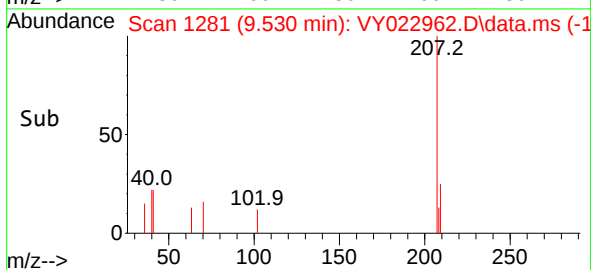
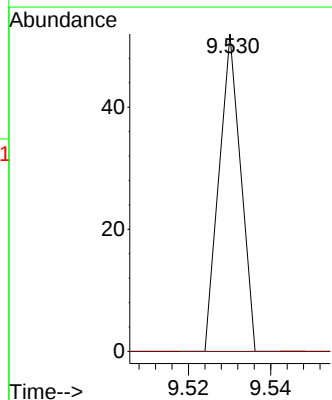
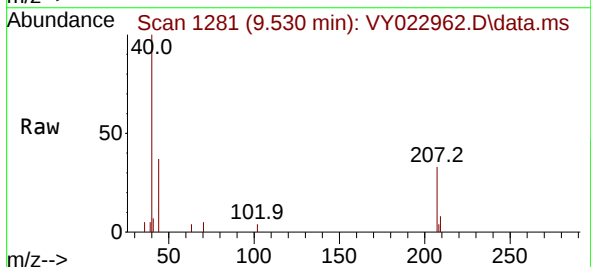
Acq: 07 Jul 2025 15:59

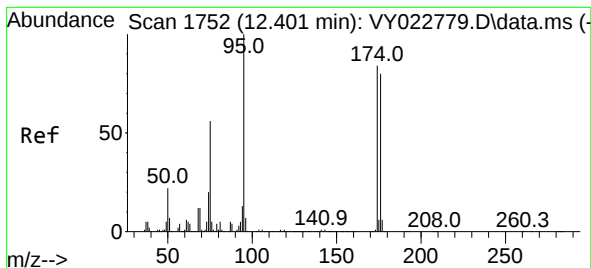
Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#





#62

4-Bromofluorobenzene

Concen: 38.836 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022962.D

Acq: 07 Jul 2025 15:59

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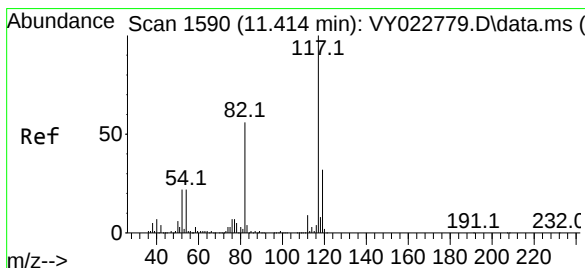
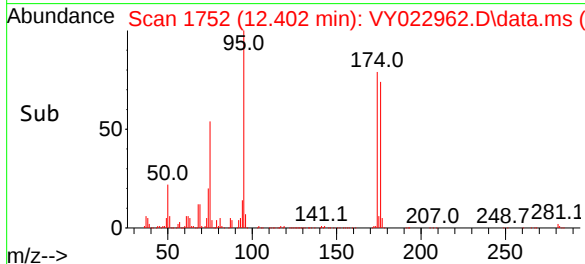
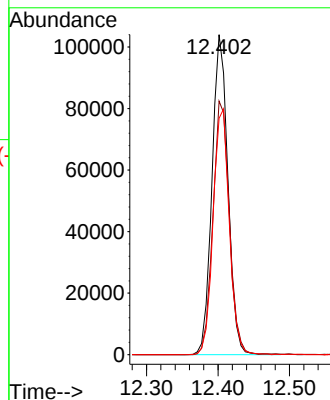
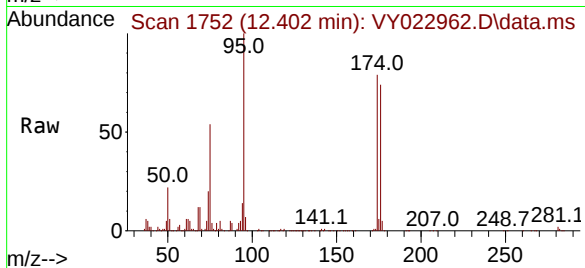
Tgt Ion: 95 Resp: 160687

Ion Ratio Lower Upper

95 100

174 81.9 0.0 170.0

176 78.2 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: VY022962.D

Acq: 07 Jul 2025 15:59

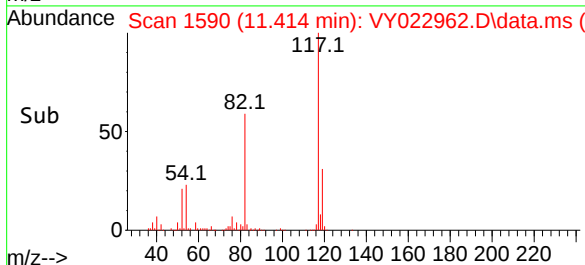
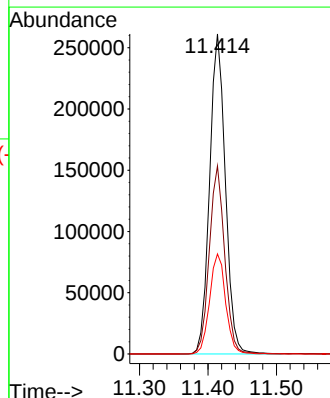
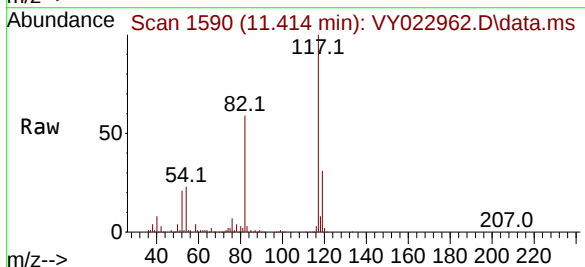
Tgt Ion: 117 Resp: 417073

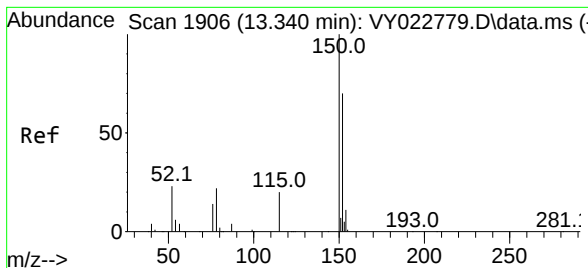
Ion Ratio Lower Upper

117 100

82 58.7 44.6 66.8

119 31.3 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: VY022962.D

Acq: 07 Jul 2025 15:59

Instrument :

MSVOA_Y

ClientSampleId :

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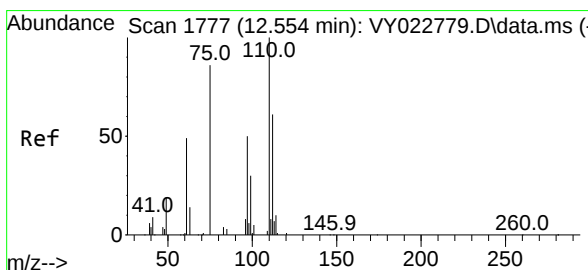
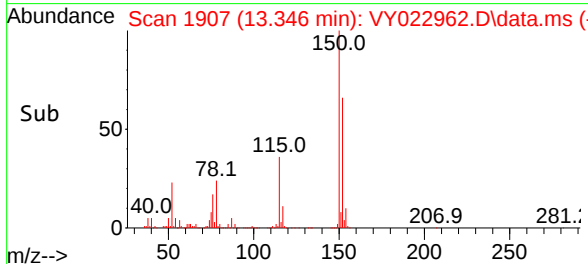
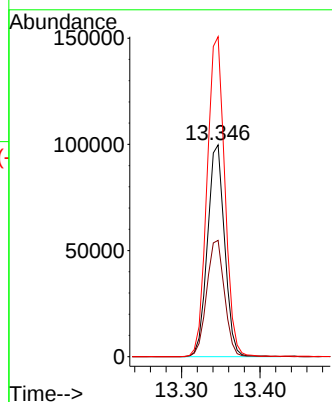
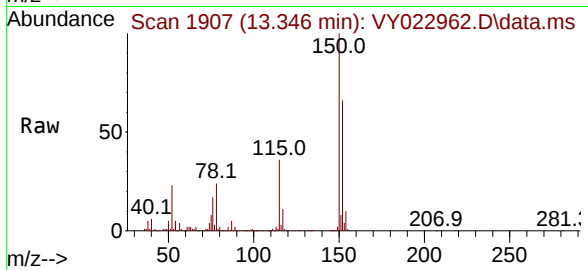
Tgt Ion:152 Resp: 151425

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 156.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 57.766 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022962.D

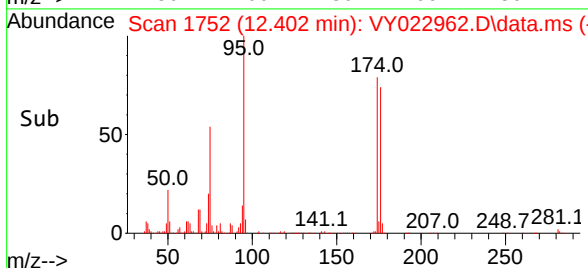
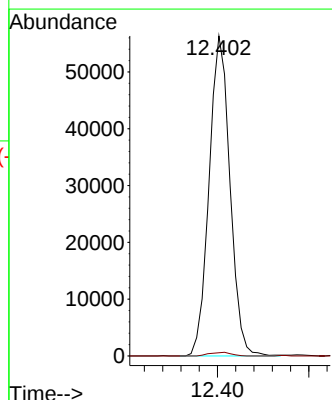
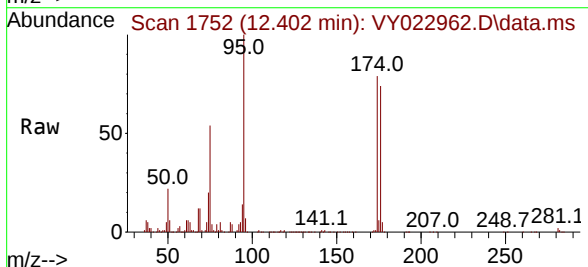
Acq: 07 Jul 2025 15:59

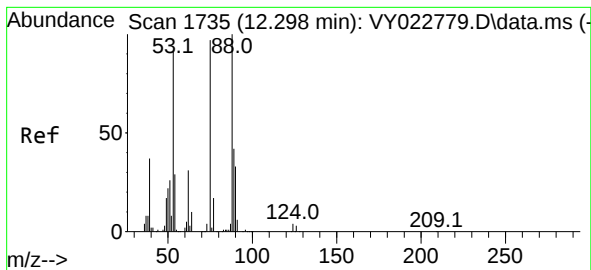
Tgt Ion: 75 Resp: 89302

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.940 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022962.D
 Acq: 07 Jul 2025 15:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-106

Tgt Ion: 75 Resp: 89302
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.5 117.7#
 89 0.0 35.7 53.5#

