

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022908.D
 Acq On : 02 Jul 2025 13:36
 Operator : SY/MD
 Sample : Q2464-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-063025

Quant Time: Jul 03 02:21:27 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)

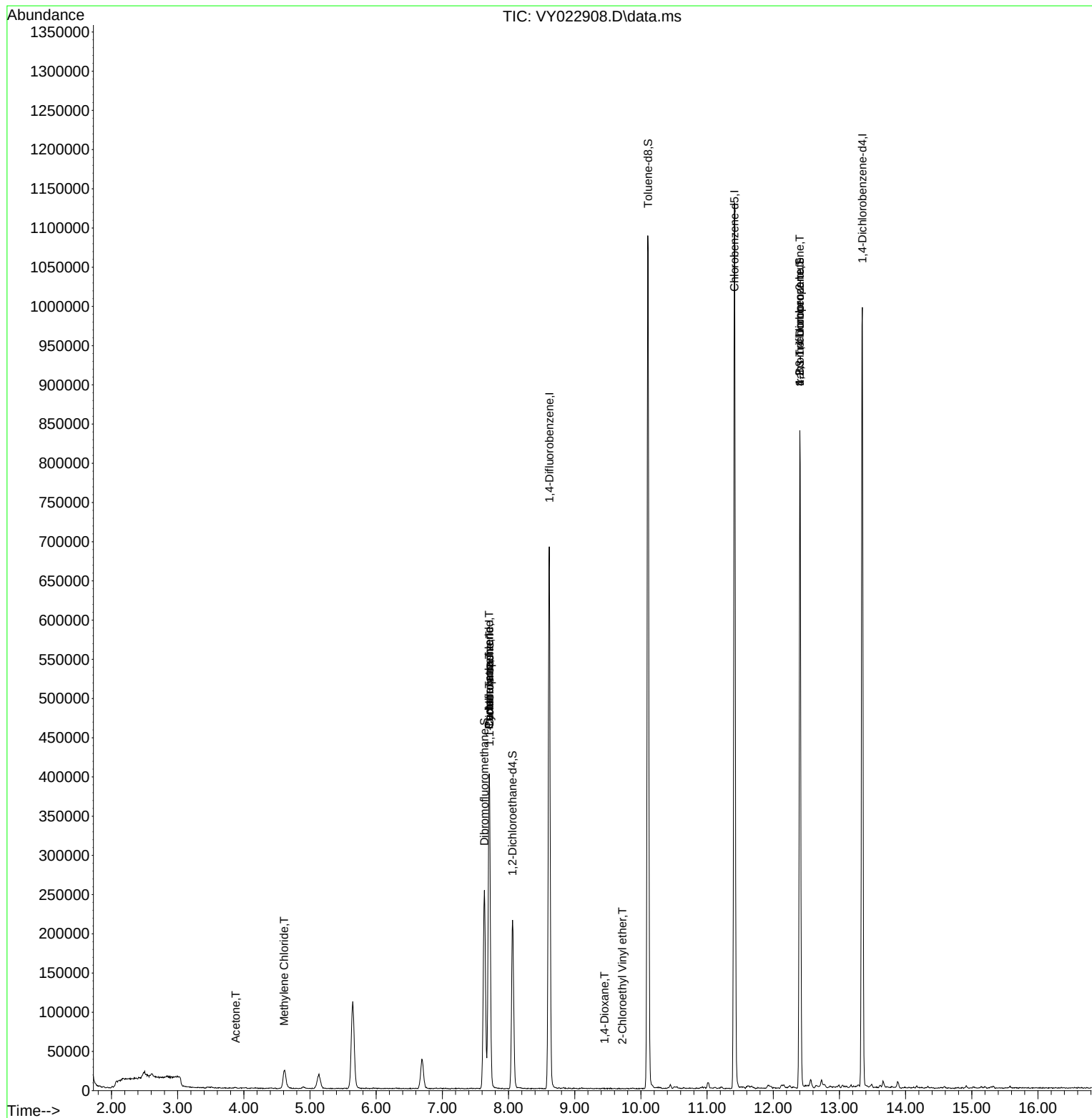
Internal Standards						
1) Pentafluorobenzene	7.707	168	305209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	574379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	569969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169496	49.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.520%
35) Dibromofluoromethane	7.634	113	177189	50.725	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.460%
50) Toluene-d8	10.109	98	710239	51.240	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.480%
62) 4-Bromofluorobenzene	12.401	95	248958	55.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.740%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1982	3.078	ug/l	96
20) Methylene Chloride	4.610	84	16213	3.987	ug/l	98
31) Cyclohexane	7.707	56	7947	1.358	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	26784	5.059	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30820	5.517	ug/l #	17
49) 1,4-Dioxane	9.451	88	40	1.565	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.719	63	23	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	141653	56.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	141653	142.521	ug/l #	11

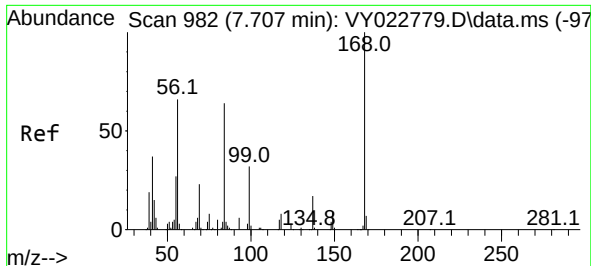
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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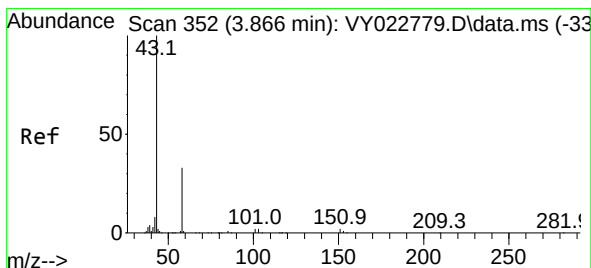
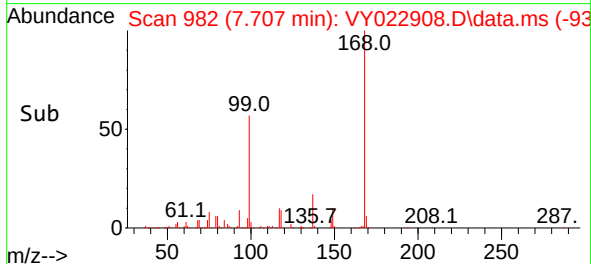
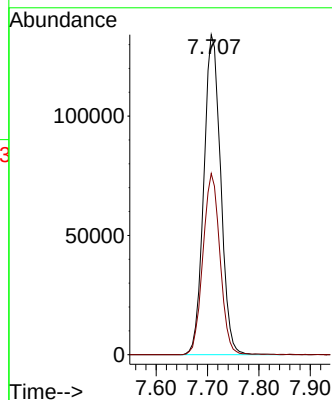
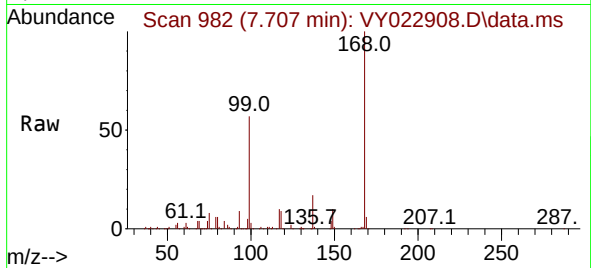




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

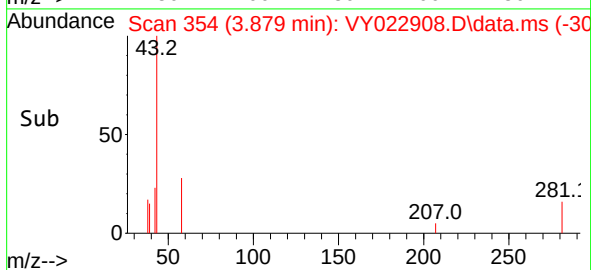
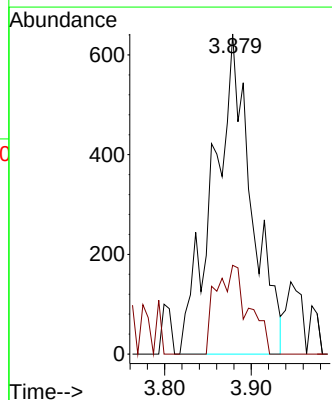
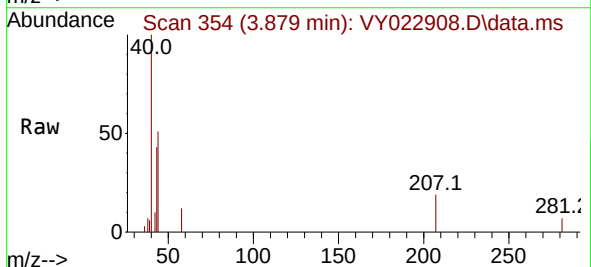
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-063025

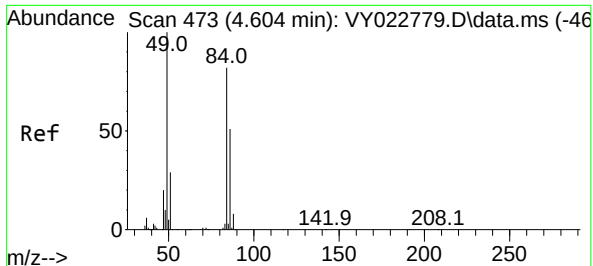
Tgt Ion:168 Resp: 305209
Ion Ratio Lower Upper
168 100
99 56.6 44.3 66.5



#16
Acetone
Concen: 3.078 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion: 43 Resp: 1982
Ion Ratio Lower Upper
43 100
58 27.7 24.0 36.0

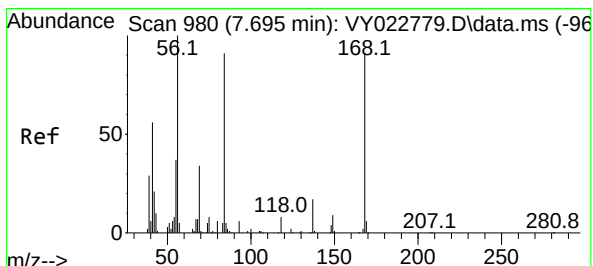
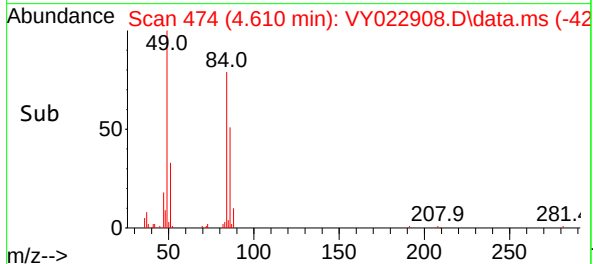
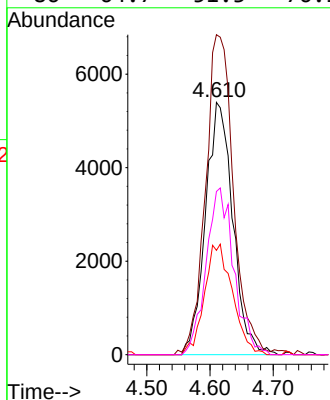
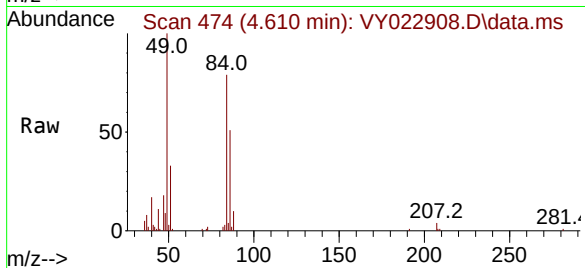




#20
Methylene Chloride
Concen: 3.987 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

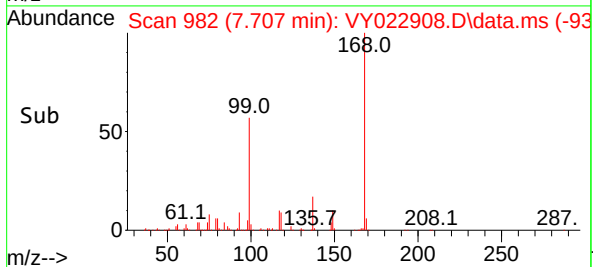
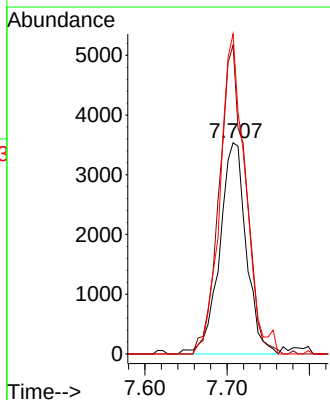
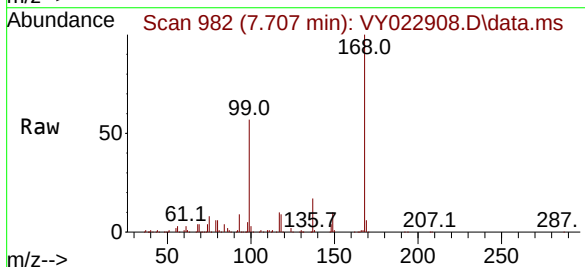
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-063025

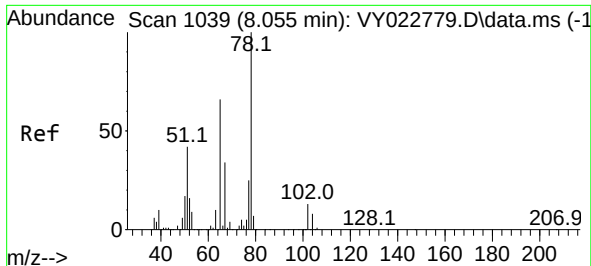
Tgt Ion:	84	Resp:	16213
Ion	Ratio	Lower	Upper
84	100		
49	125.2	101.9	152.9
51	41.3	29.8	44.8
86	64.7	51.3	76.9



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion:	56	Resp:	7947
Ion	Ratio	Lower	Upper
56	100		
69	146.3	27.0	40.6#
84	151.5	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.757 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022908.D

Acq: 02 Jul 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

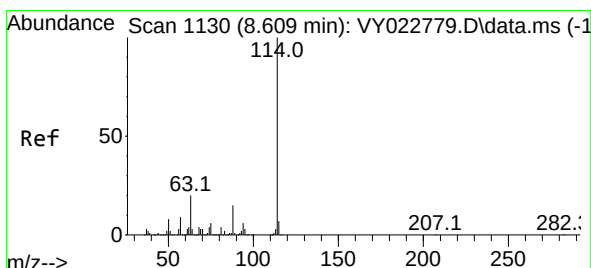
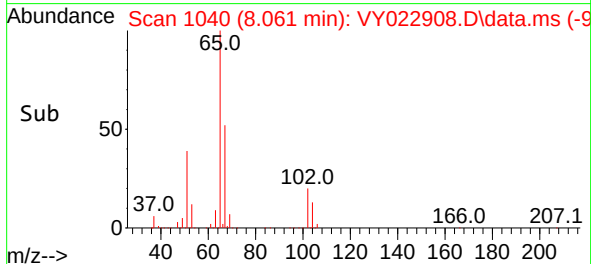
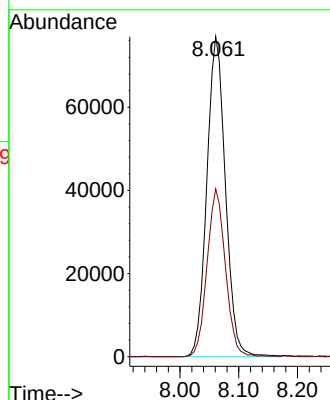
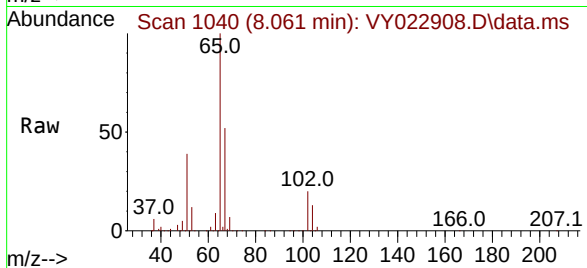
OR-3-063025

Tgt Ion: 65 Resp: 169496

Ion Ratio Lower Upper

65 100

67 51.6 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: VY022908.D

Acq: 02 Jul 2025 13:36

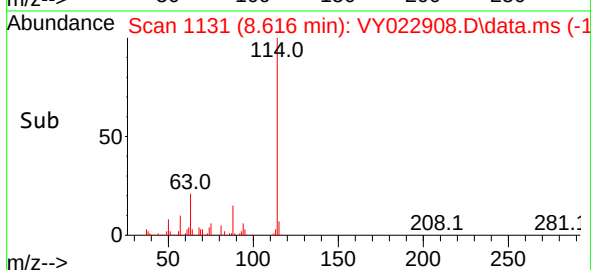
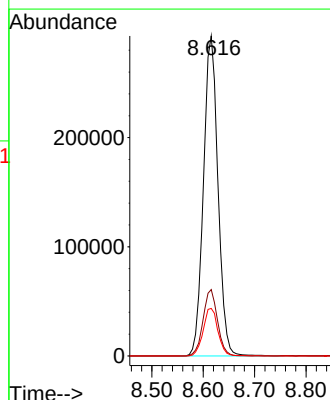
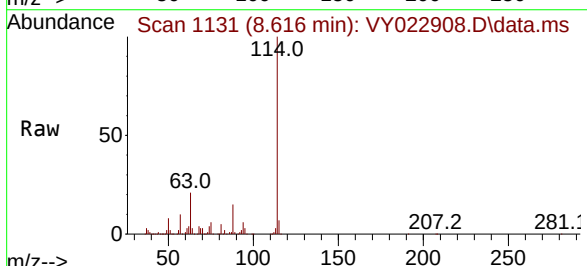
Tgt Ion: 114 Resp: 574379

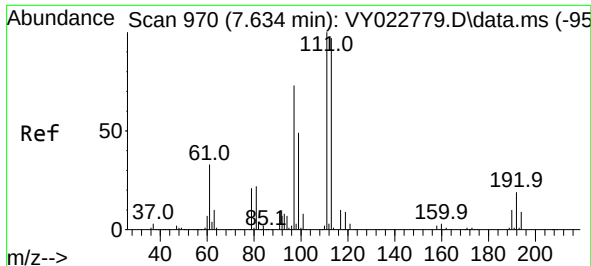
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.9 0.0 27.8

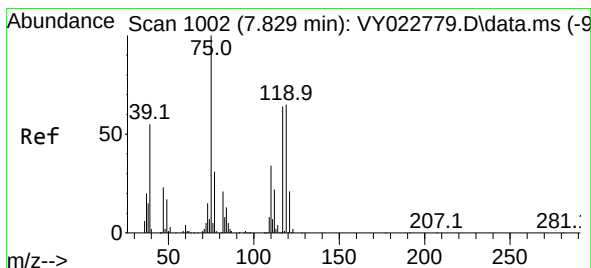
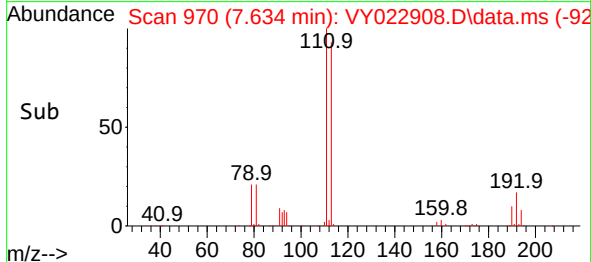
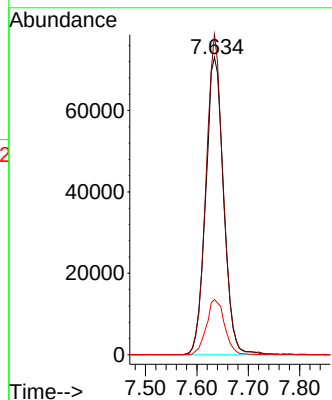
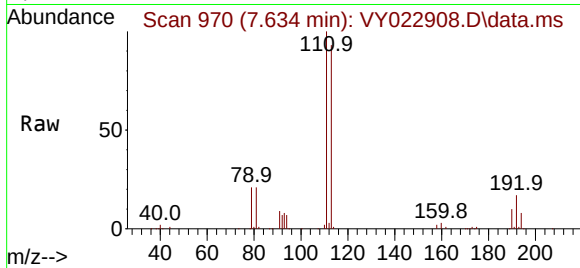




#35
Dibromofluoromethane
Concen: 50.725 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

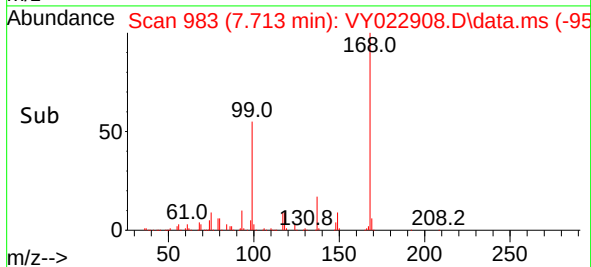
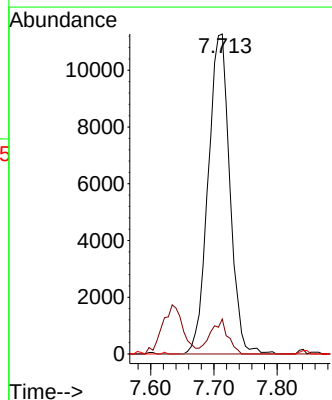
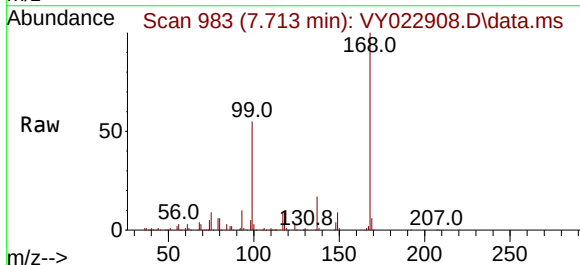
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-063025

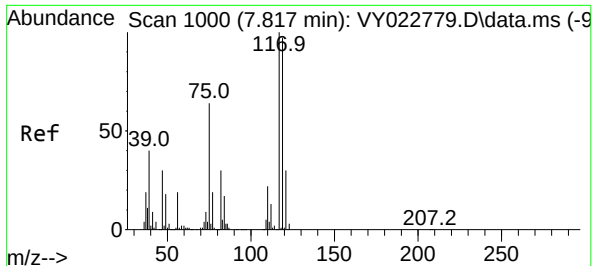
Tgt Ion:113 Resp: 177189
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 18.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion: 75 Resp: 26784
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.0 24.8 37.2#

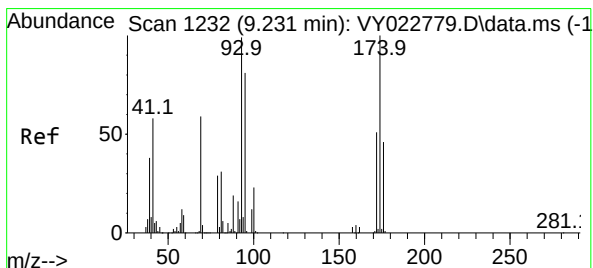
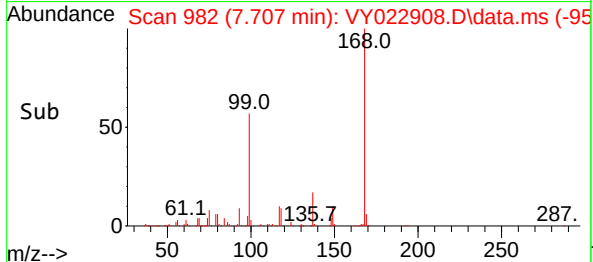
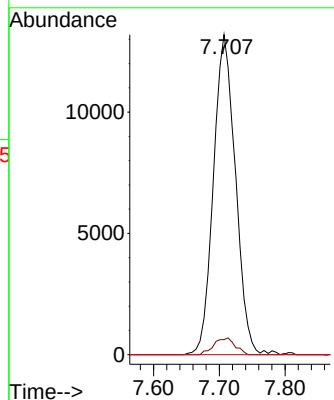
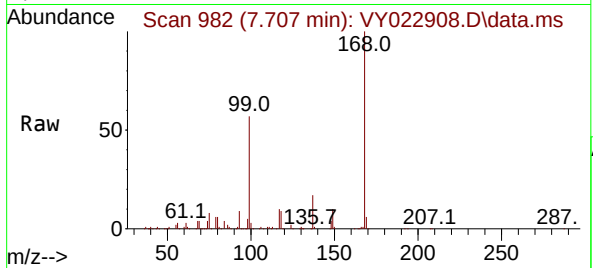




#38
Carbon Tetrachloride
Concen: 5.517 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

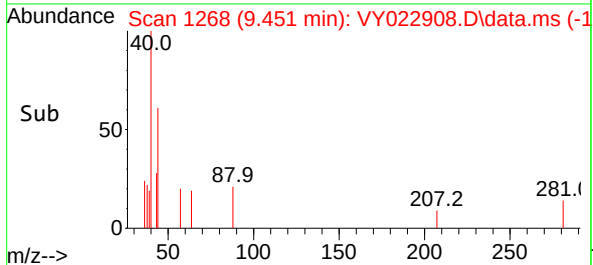
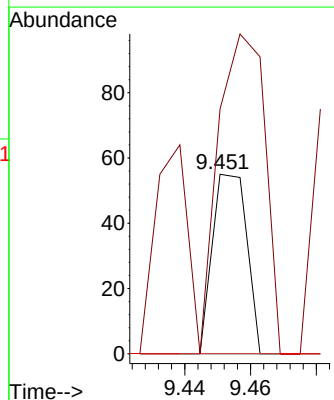
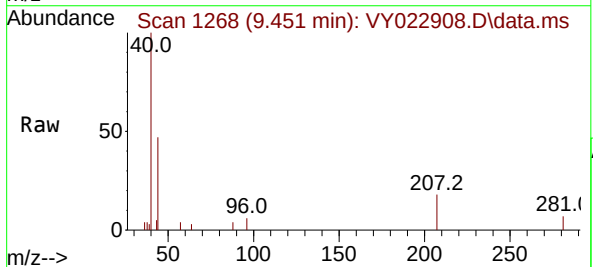
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-063025

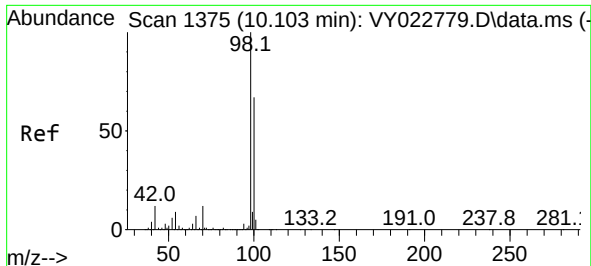
Tgt Ion:117 Resp: 30820
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.565 ug/l
RT: 9.451 min Scan# 1268
Delta R.T. 0.207 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 242.5 25.4 38.2#
58 0.0 54.9 82.3#

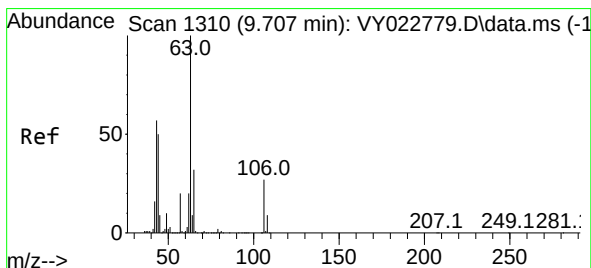
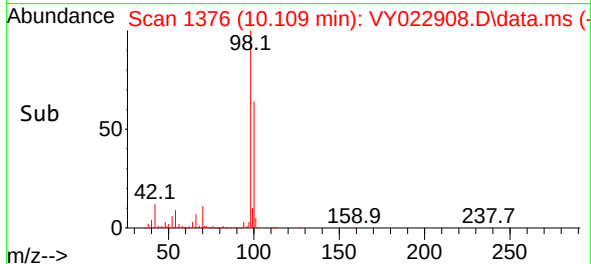
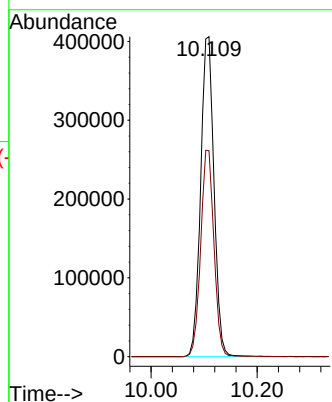
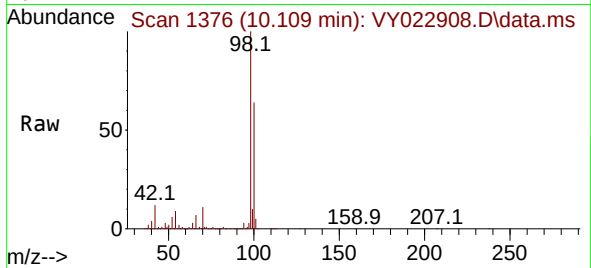




#50
Toluene-d8
Concen: 51.240 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

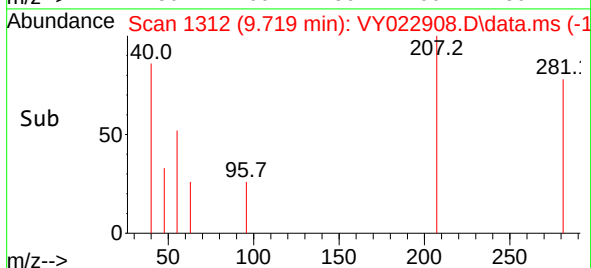
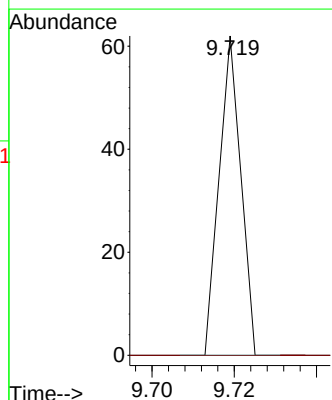
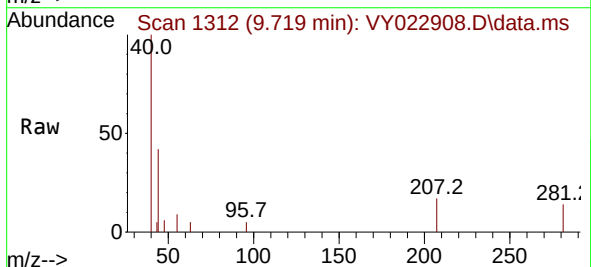
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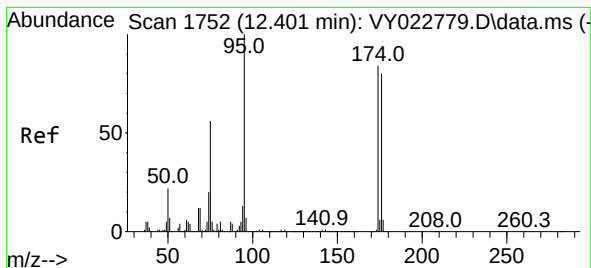
Tgt Ion: 98 Resp: 710239
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion: 63 Resp: 23
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

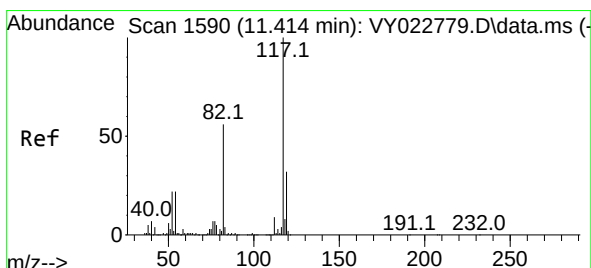
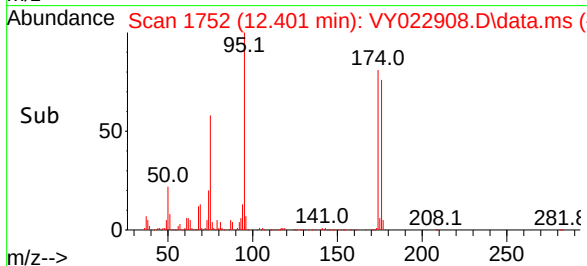
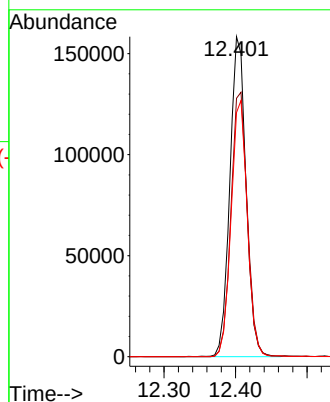
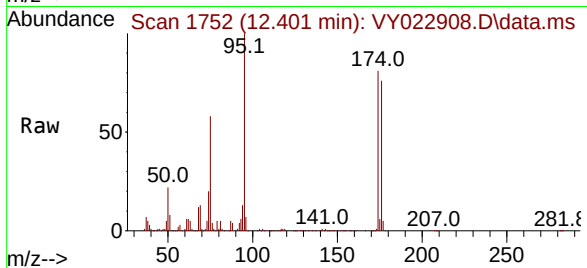




#62
4-Bromofluorobenzene
Concen: 55.872 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

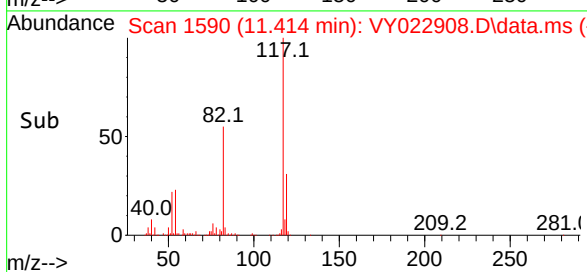
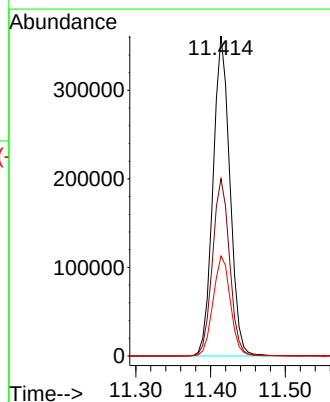
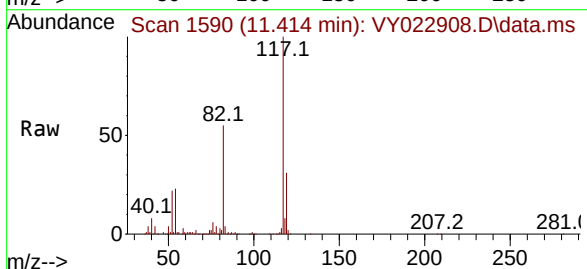
Instrument :
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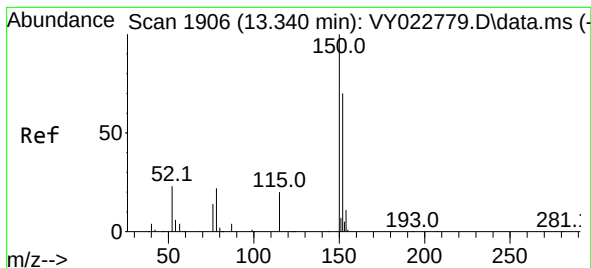
Tgt Ion: 95 Resp: 248958
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 80.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion: 117 Resp: 569969
Ion Ratio Lower Upper
117 100
82 55.4 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: VY022908.D

Acq: 02 Jul 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-063025

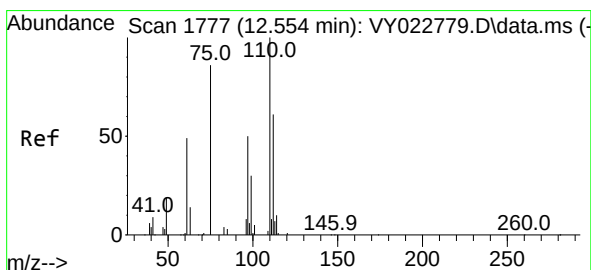
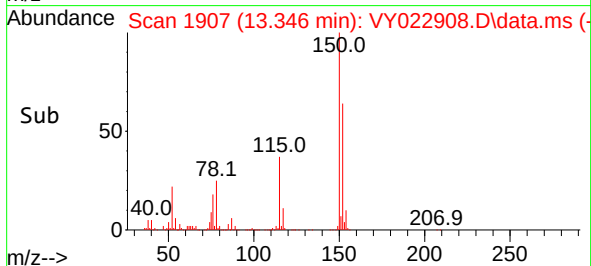
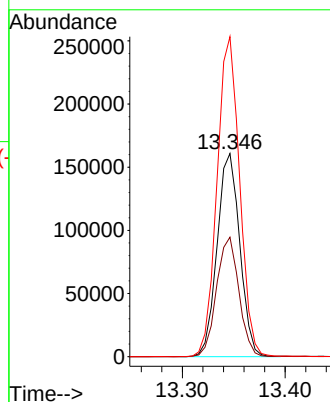
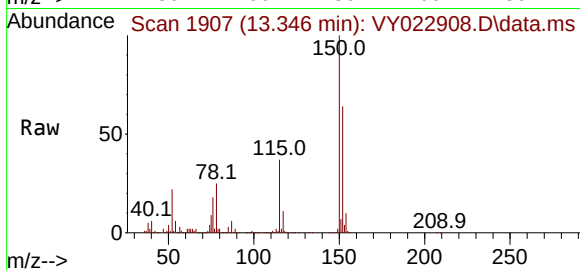
Tgt Ion:152 Resp: 245956

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 157.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.413 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022908.D

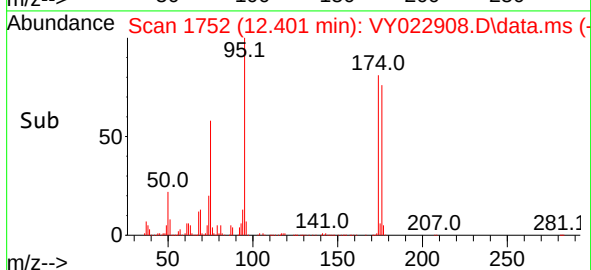
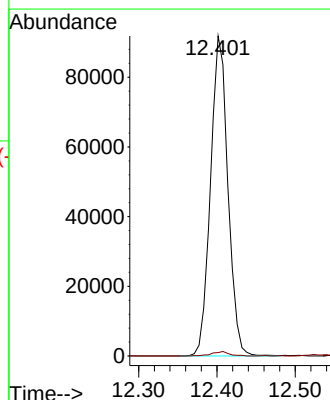
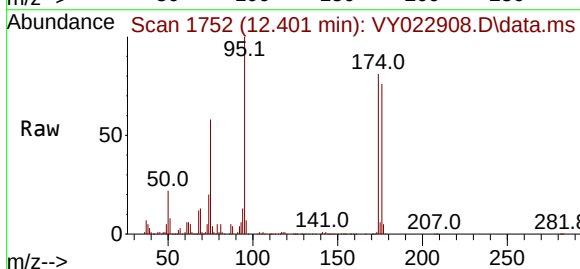
Acq: 02 Jul 2025 13:36

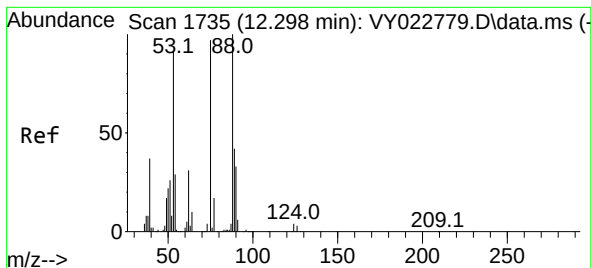
Tgt Ion: 75 Resp: 141653

Ion Ratio Lower Upper

75 100

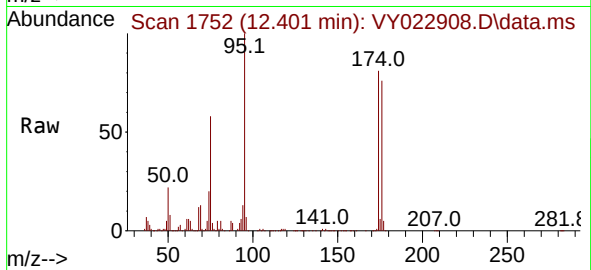
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.521 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022908.D
 Acq: 02 Jul 2025 13:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-063025



Tgt Ion: 75 Resp: 141653
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

