

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022915.D
 Acq On : 02 Jul 2025 16:20
 Operator : SY/MD
 Sample : Q2458-08
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-63

Quant Time: Jul 03 02:24:23 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)

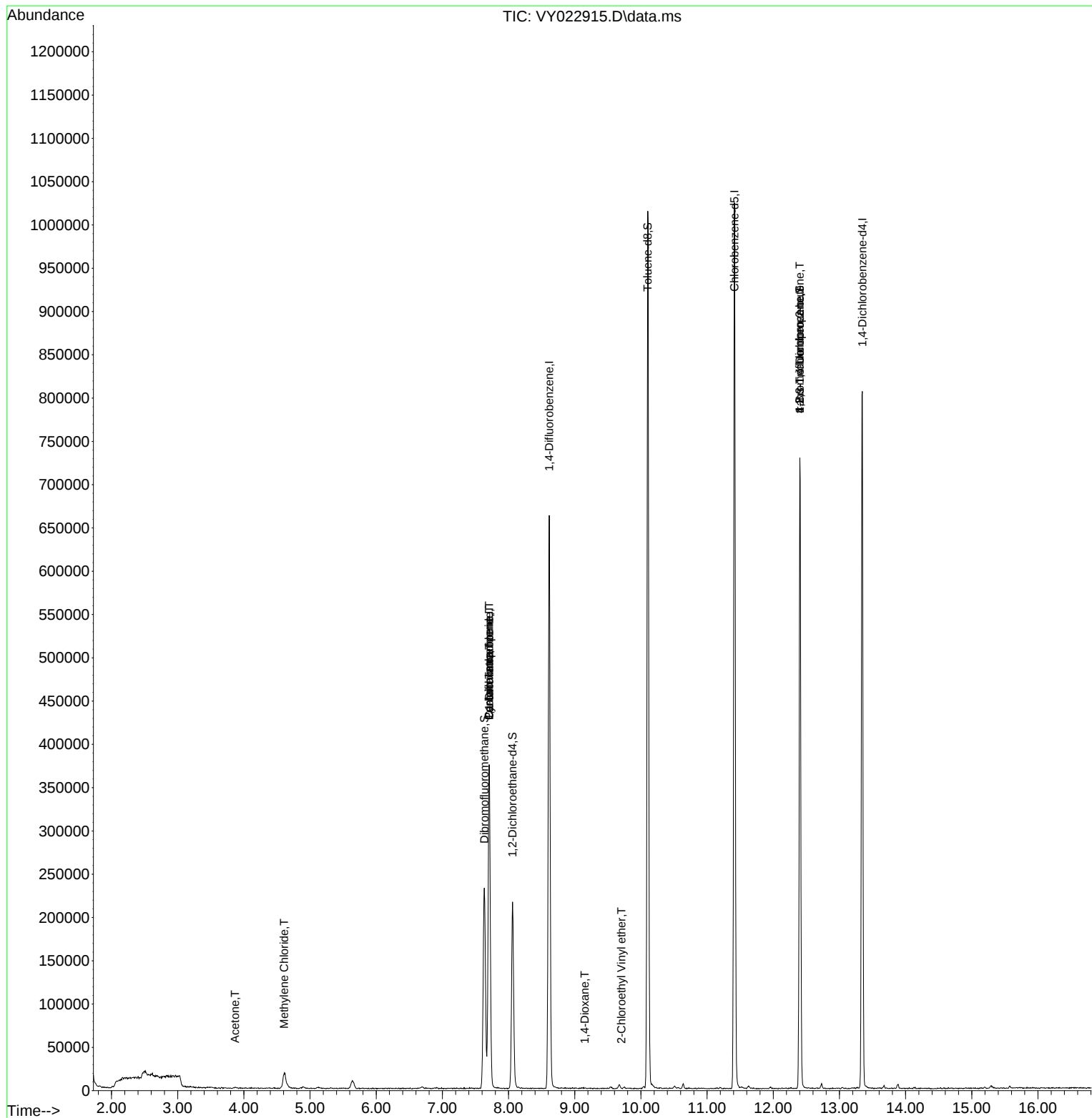
Internal Standards						
1) Pentafluorobenzene	7.707	168	278456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	537398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	515031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	195752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166821	53.677	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.360%	
35) Dibromofluoromethane	7.634	113	166540	50.958	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.920%	
50) Toluene-d8	10.103	98	648984	50.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	12.401	95	212971	51.084	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.160%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1557	2.651	ug/l #	45
20) Methylene Chloride	4.610	84	12837	3.460	ug/l	97
31) Cyclohexane	7.707	56	7251	1.358	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	25450	5.137	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29281	5.602	ug/l #	16
49) 1,4-Dioxane	9.152	88	45	1.882	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.707	63	43	15.677	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	119995	60.044	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	119995	151.694	ug/l #	11

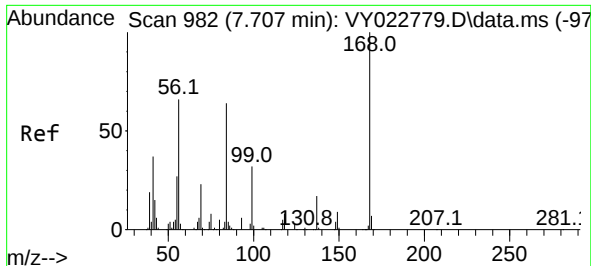
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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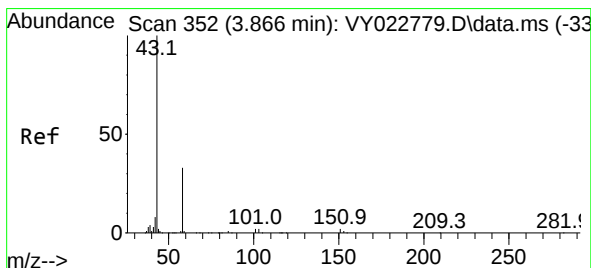
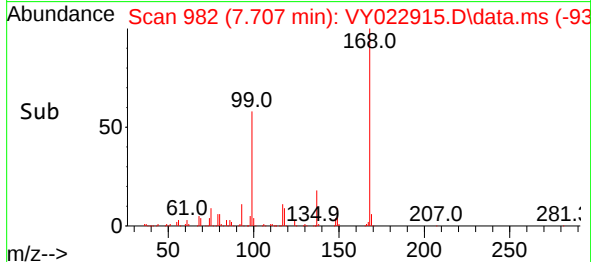
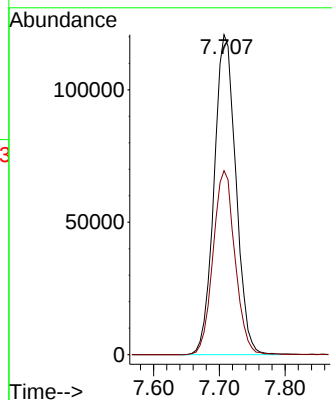
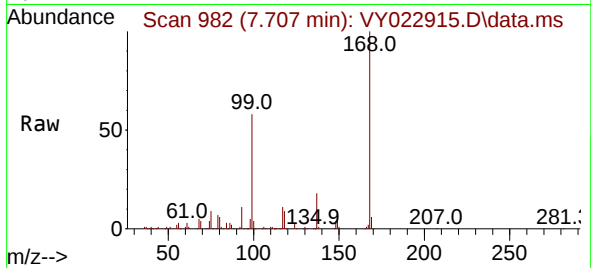




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

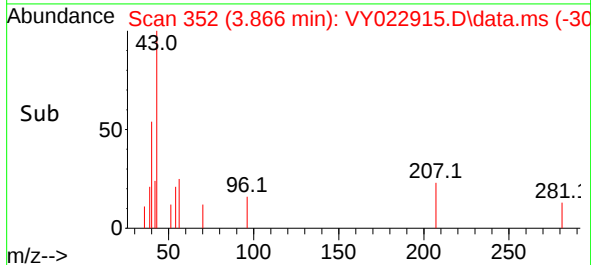
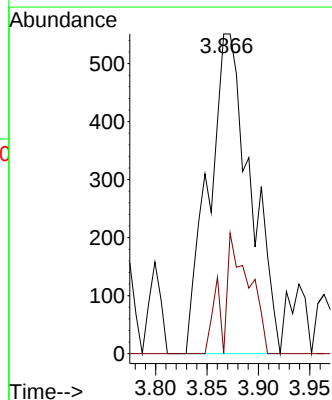
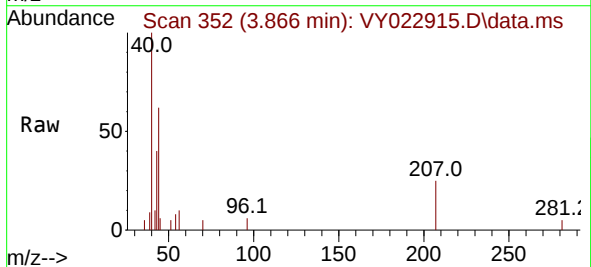
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

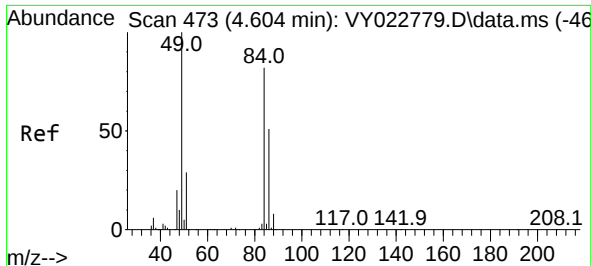
Tgt Ion:168 Resp: 278456
Ion Ratio Lower Upper
168 100
99 57.5 44.3 66.5



#16
Acetone
Concen: 2.651 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

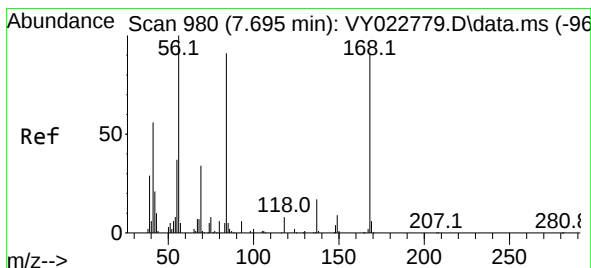
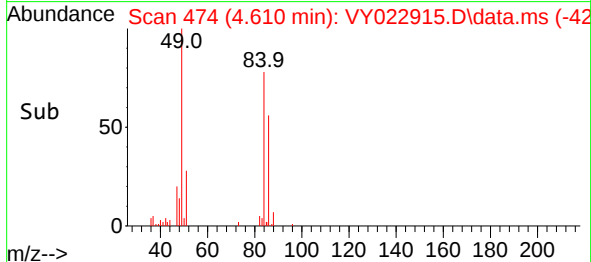
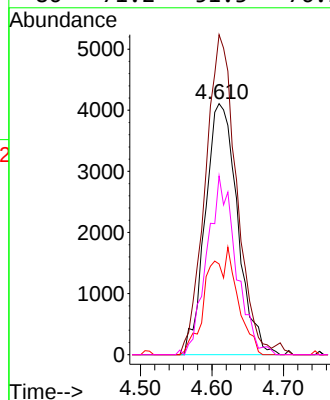
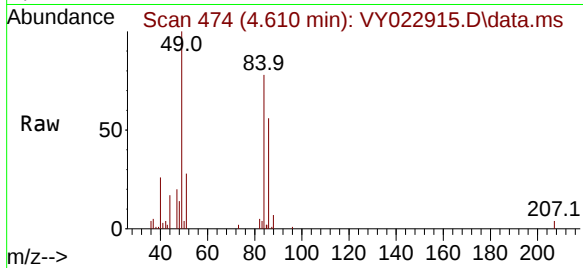




#20
Methylene Chloride
Concen: 3.460 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

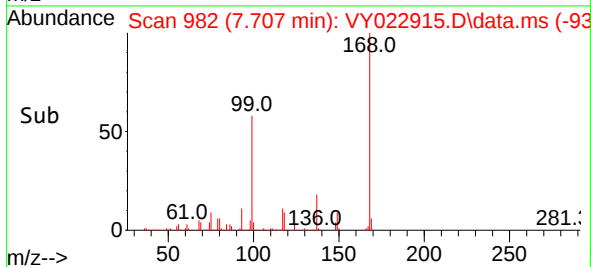
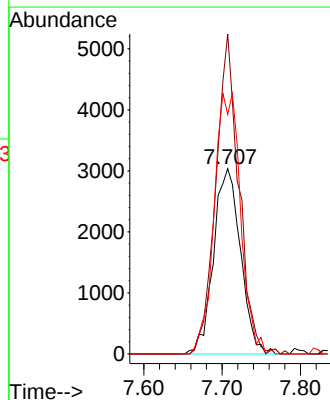
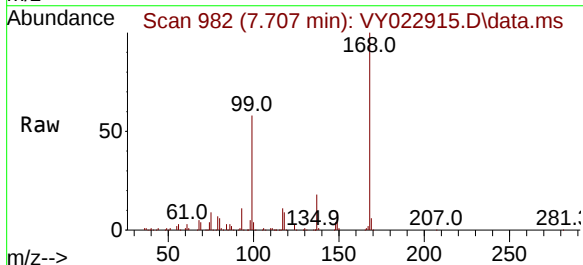
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

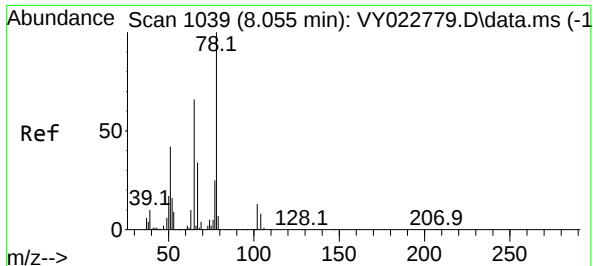
Tgt Ion:	84	Resp:	12837
Ion	Ratio	Lower	Upper
84	100		
49	127.5	101.9	152.9
51	36.1	29.8	44.8
86	71.2	51.3	76.9



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion:	56	Resp:	7251
Ion	Ratio	Lower	Upper
56	100		
69	172.7	27.0	40.6#
84	129.3	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 53.677 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022915.D

Acq: 02 Jul 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

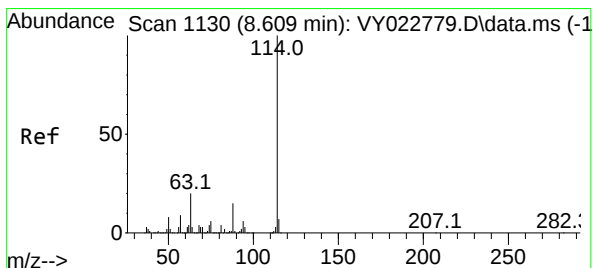
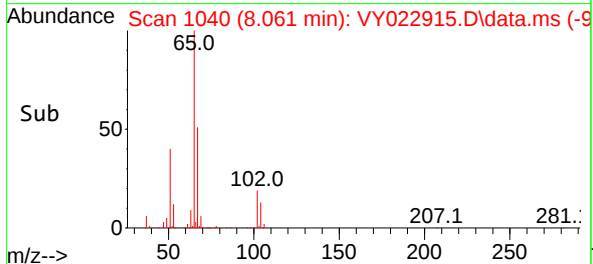
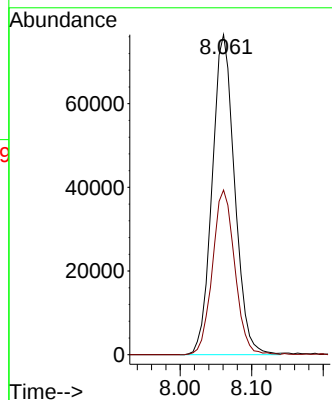
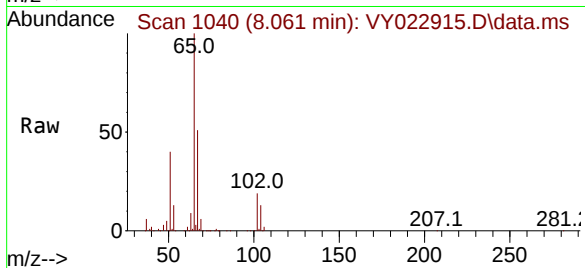
TP-63

Tgt Ion: 65 Resp: 166821

Ion Ratio Lower Upper

65 100

67 51.1 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: VY022915.D

Acq: 02 Jul 2025 16:20

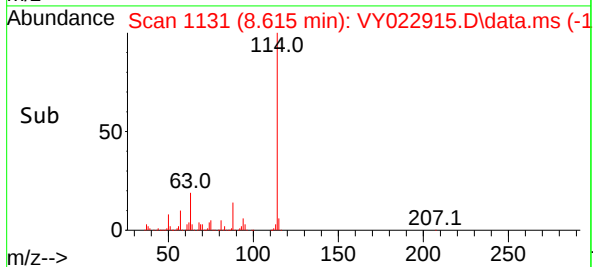
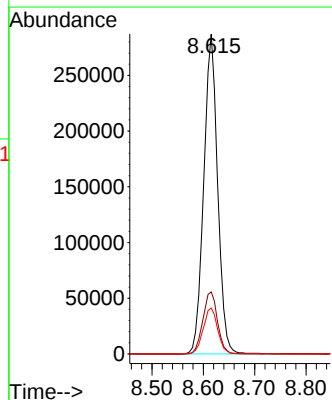
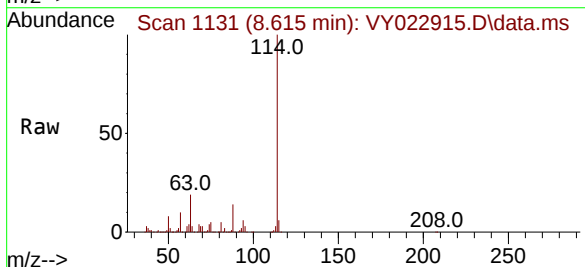
Tgt Ion: 114 Resp: 537398

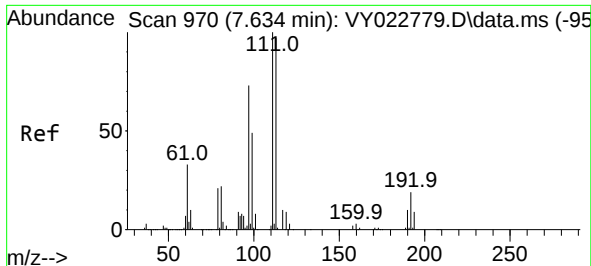
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 14.4 0.0 27.8

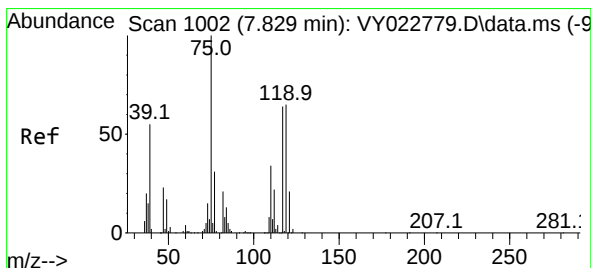
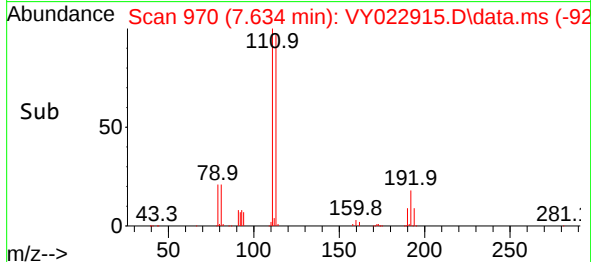
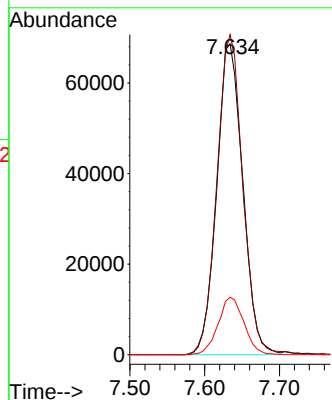
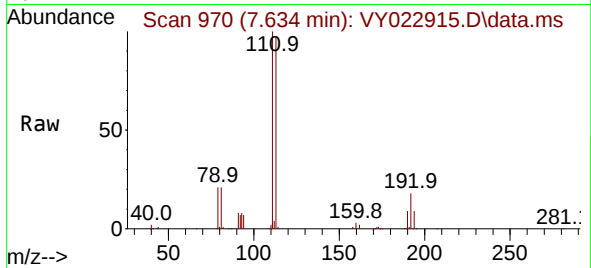




#35
Dibromofluoromethane
Concen: 50.958 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

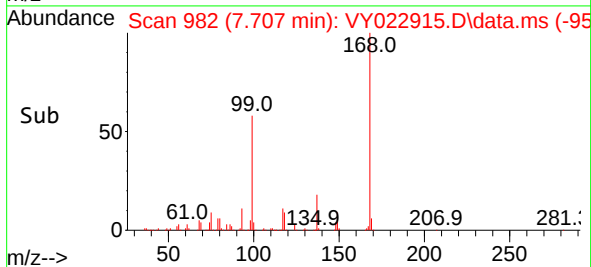
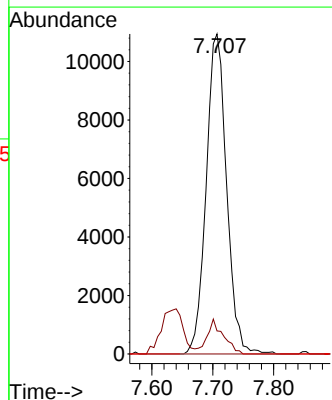
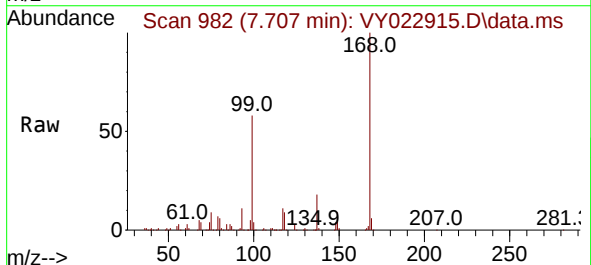
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

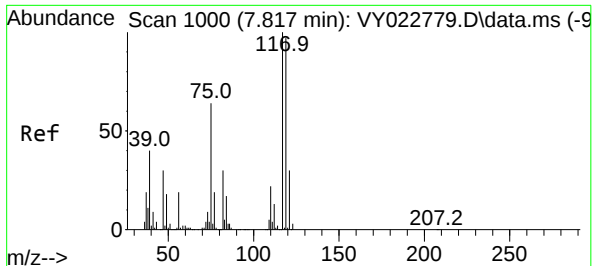
Tgt Ion:113 Resp: 166540
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.137 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion: 75 Resp: 25450
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.8 37.2#

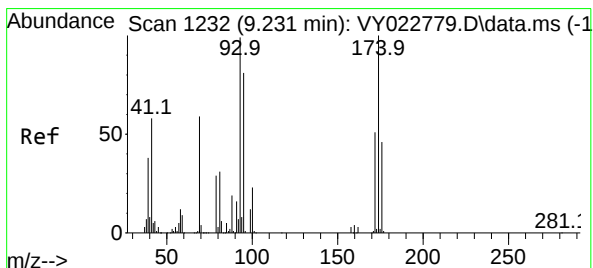
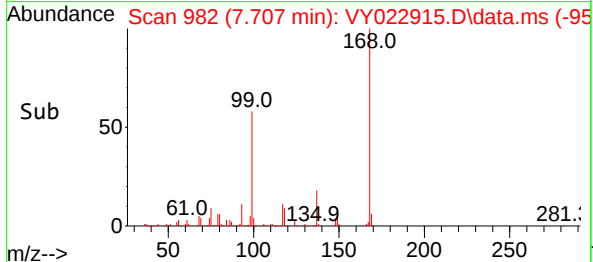
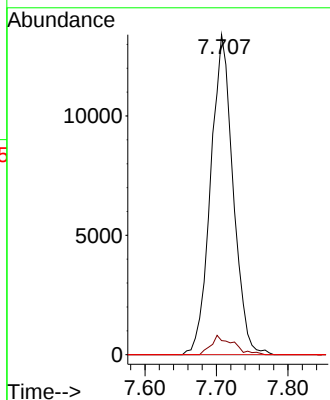
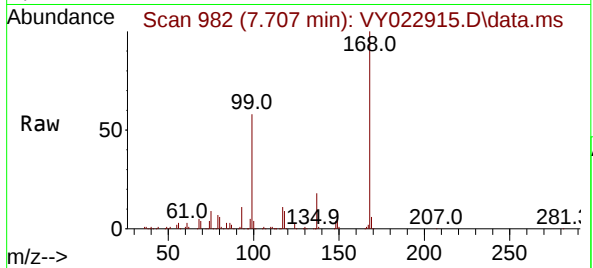




#38
Carbon Tetrachloride
Concen: 5.602 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

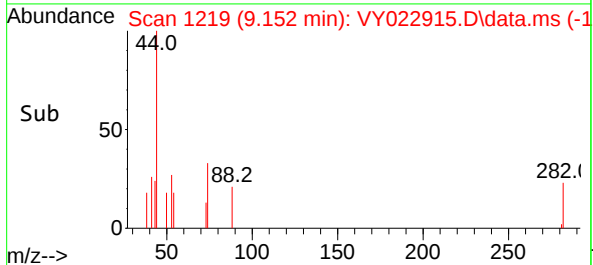
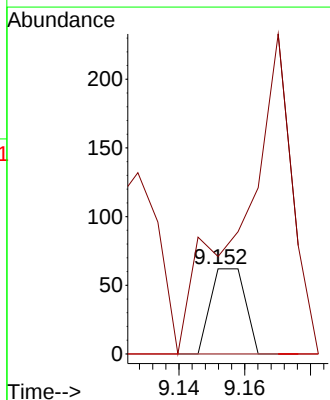
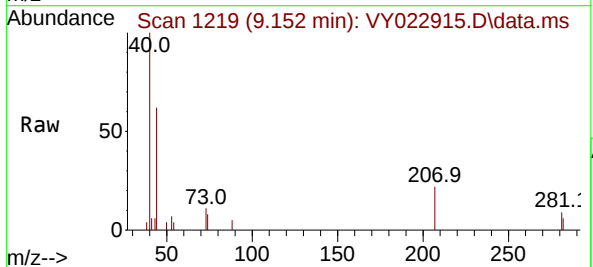
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

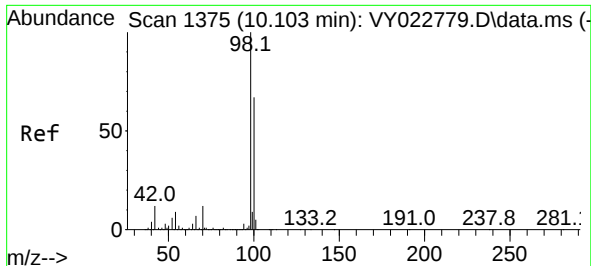
Tgt Ion:117 Resp: 29281
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.882 ug/l
RT: 9.152 min Scan# 1219
Delta R.T. -0.092 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 551.1 25.4 38.2#
58 0.0 54.9 82.3#

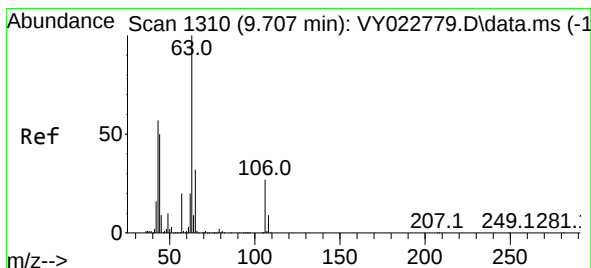
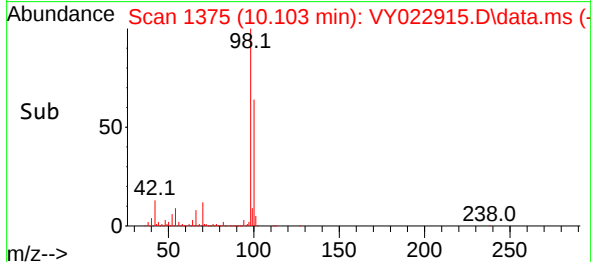
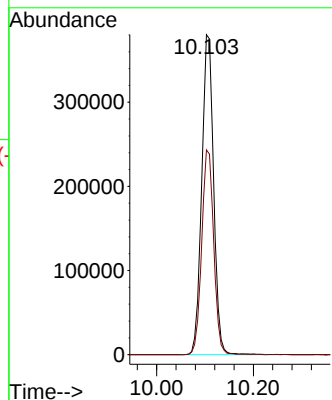
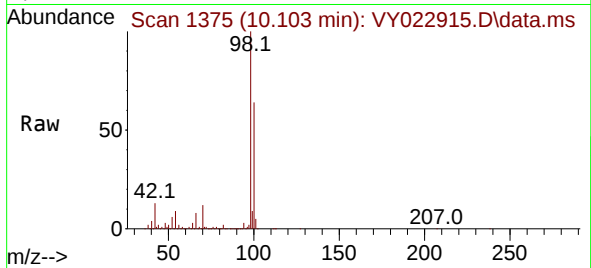




#50
Toluene-d8
Concen: 50.042 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

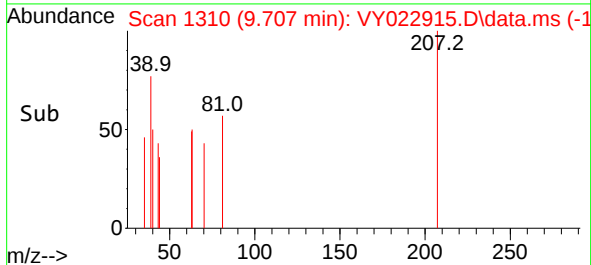
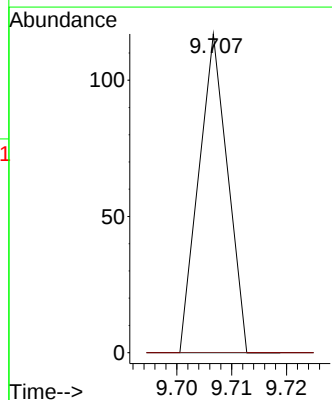
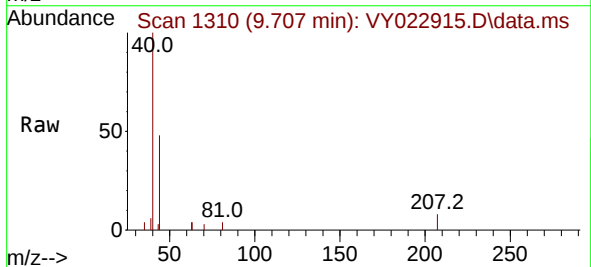
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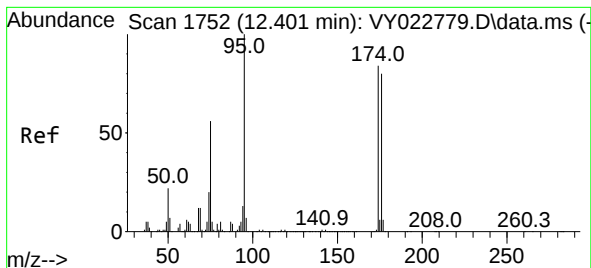
Tgt Ion: 98 Resp: 648984
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.677 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

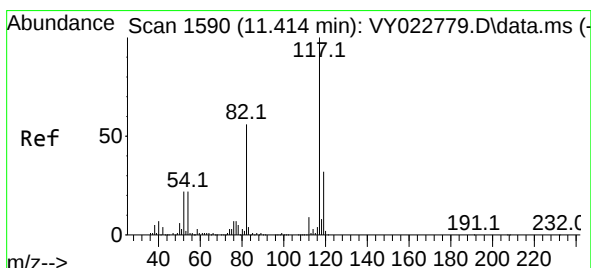
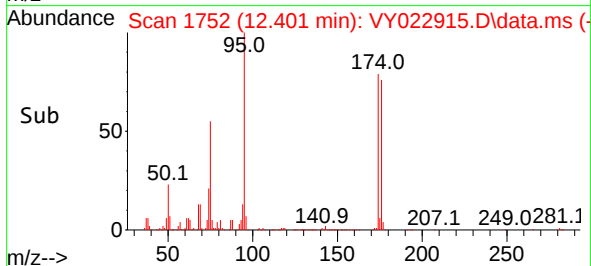
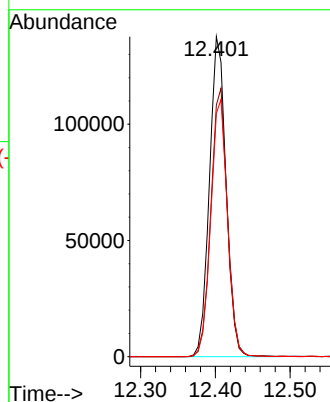
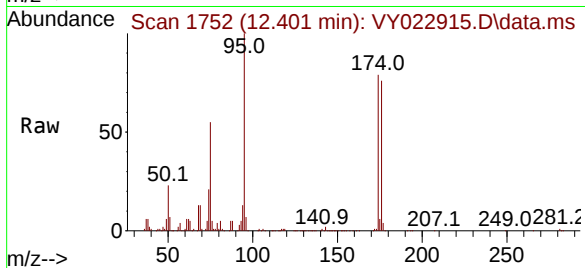




#62
4-Bromofluorobenzene
Concen: 51.084 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

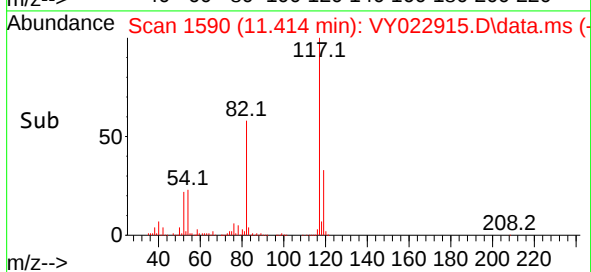
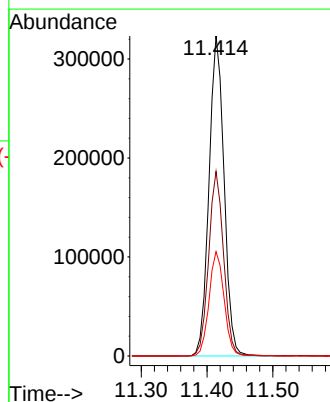
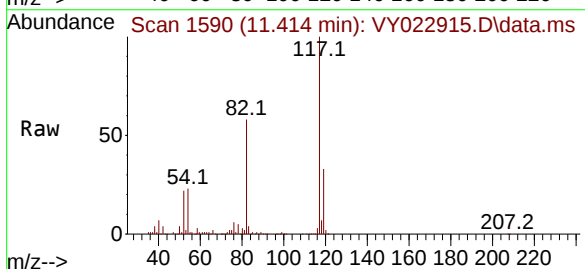
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

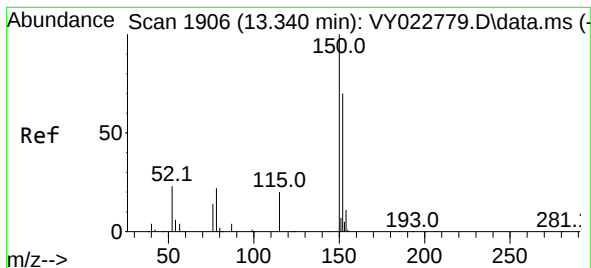
Tgt Ion:	95	Resp:	212971
Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.0
176	80.7	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion:	117	Resp:	515031
Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.6	66.8
119	32.6	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: VY022915.D

Acq: 02 Jul 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-63

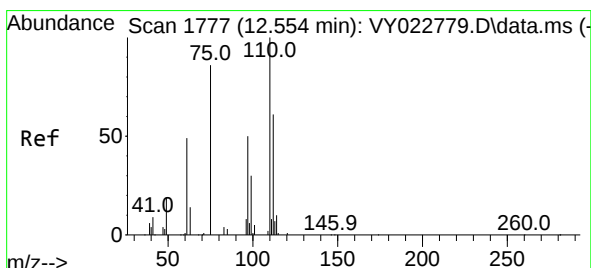
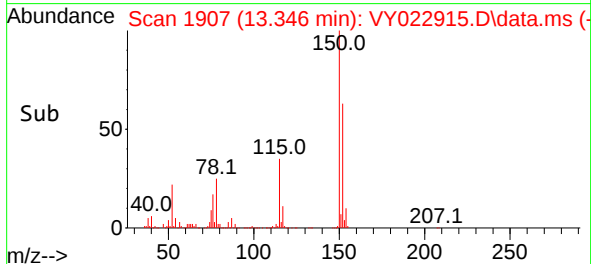
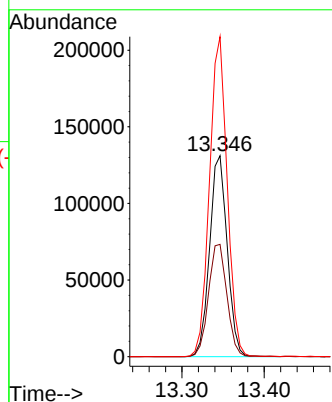
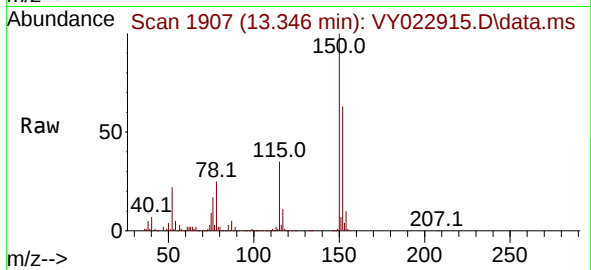
Tgt Ion:152 Resp: 195752

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 159.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 60.044 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022915.D

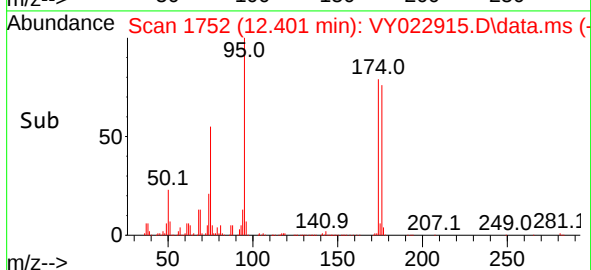
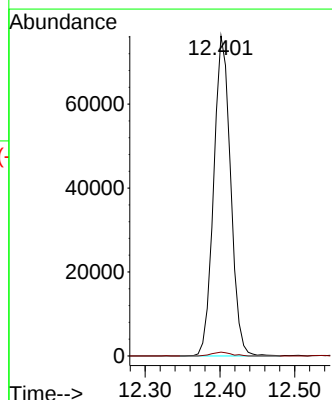
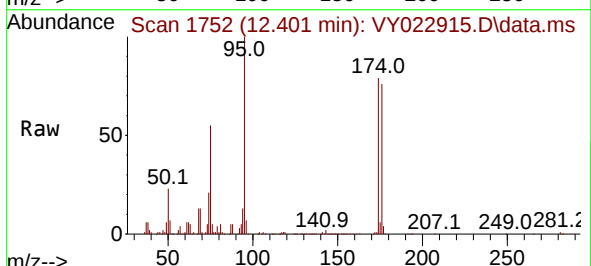
Acq: 02 Jul 2025 16:20

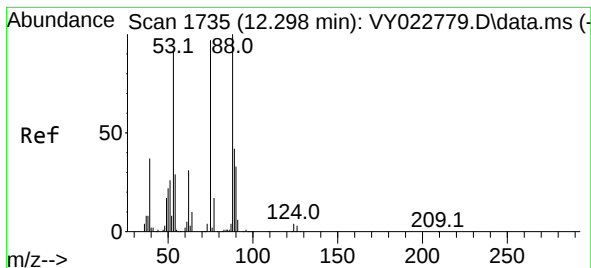
Tgt Ion: 75 Resp: 119995

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.694 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022915.D
 Acq: 02 Jul 2025 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-63

Tgt Ion: 75 Resp: 119995
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

