

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023121.D
 Acq On : 15 Aug 2025 13:05
 Operator : SY/MD
 Sample : Q2820-23
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E

Quant Time: Aug 18 02:28:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

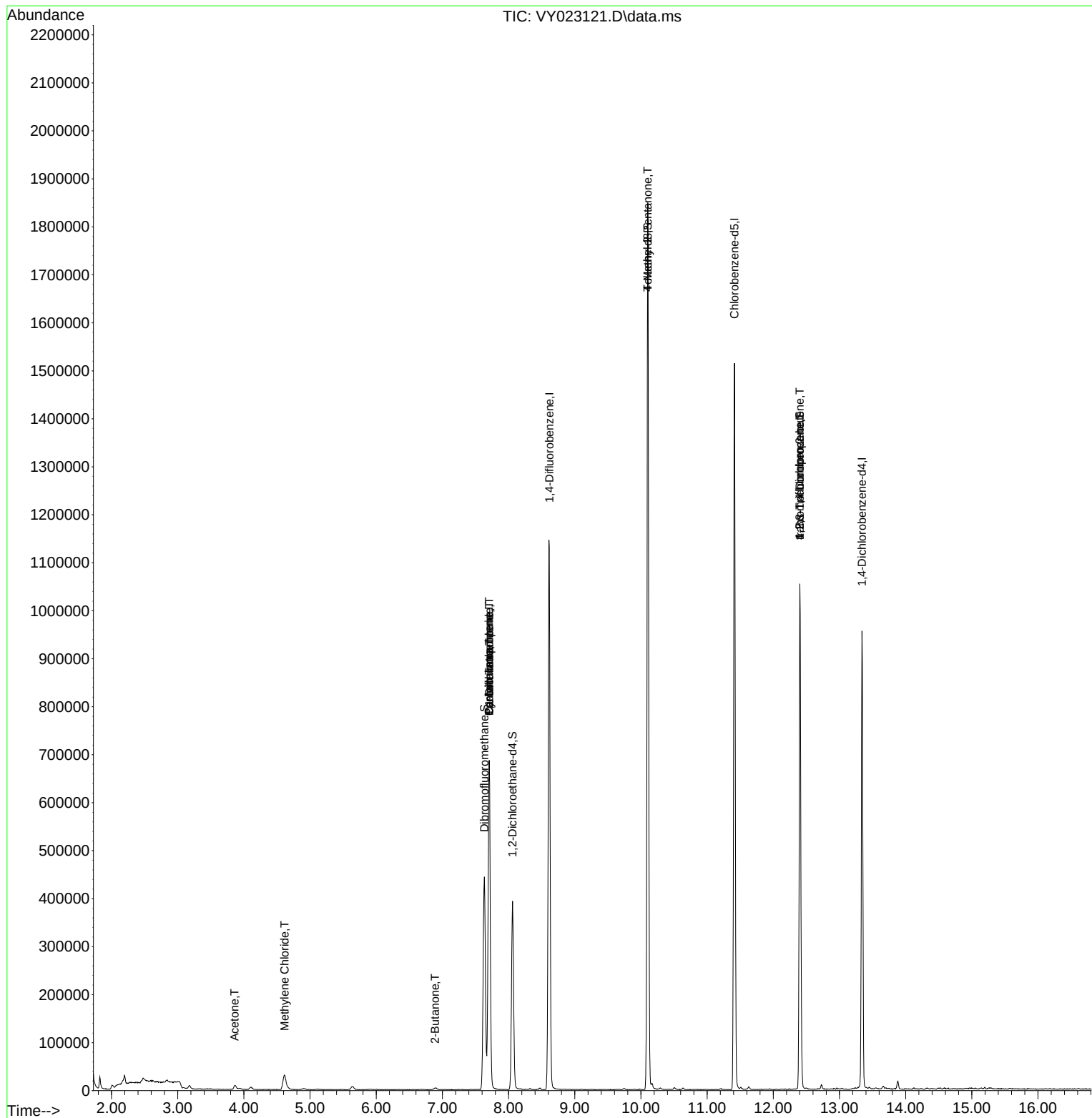
Internal Standards						
1) Pentafluorobenzene	7.707	168	533269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	990596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	806199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	241172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	299014	58.833	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.660%	
35) Dibromofluoromethane	7.634	113	316009	53.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.620%	
50) Toluene-d8	10.103	98	1171511	50.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	12.401	95	285674	38.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.720%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	14347	13.030	ug/l	99
20) Methylene Chloride	4.616	84	23873	1.538	ug/l	93
25) 2-Butanone	6.890	43	2511	1.677	ug/l #	81
31) Cyclohexane	7.707	56	11598	1.225	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42575	4.833	ug/l #	50
38) Carbon Tetrachloride	7.707	117	51873	5.422	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5309	1.376	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	152929	65.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	152929	159.047	ug/l #	14

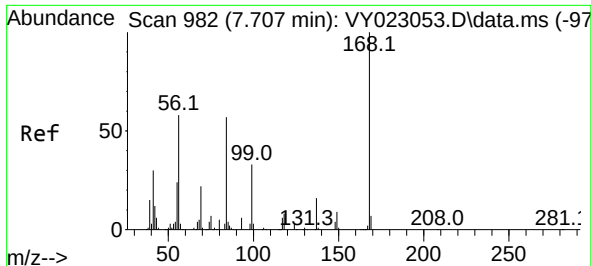
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

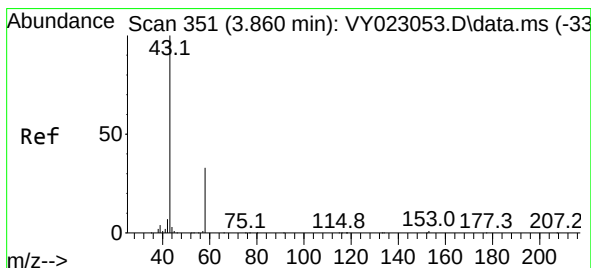
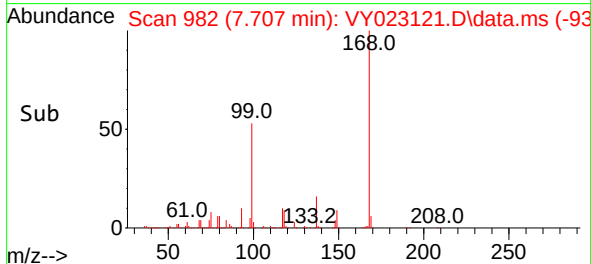
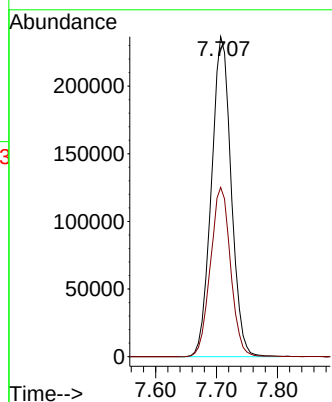
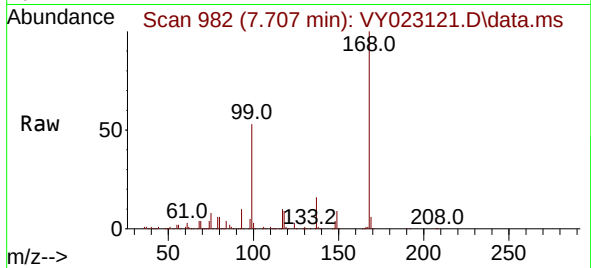




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

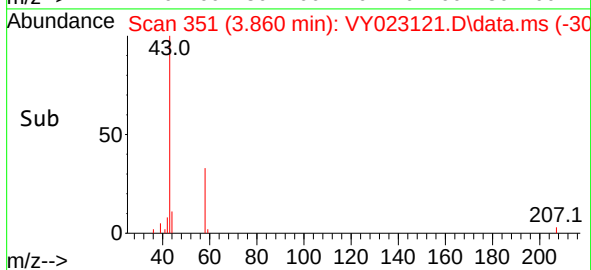
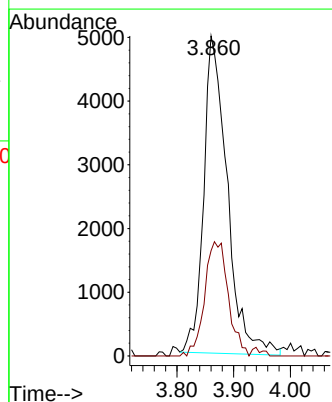
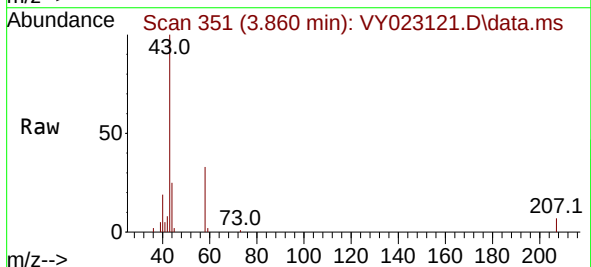
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

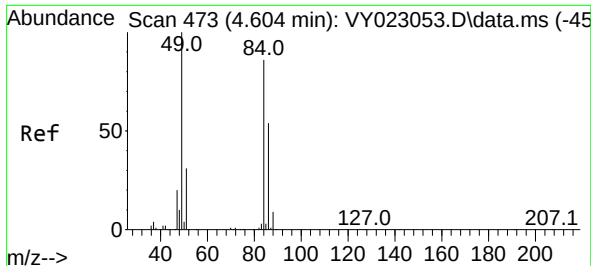
Tgt Ion:168 Resp: 533269
Ion Ratio Lower Upper
168 100
99 52.9 42.8 64.2



#16
Acetone
Concen: 13.030 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion: 43 Resp: 14347
Ion Ratio Lower Upper
43 100
58 33.3 27.1 40.7

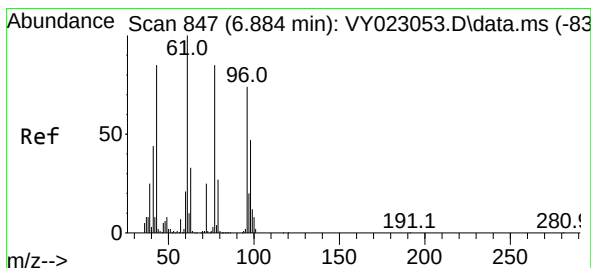
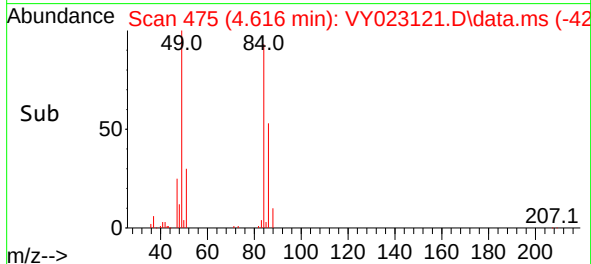
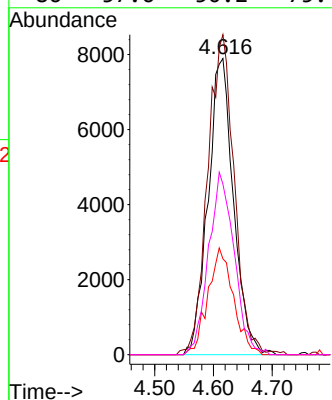
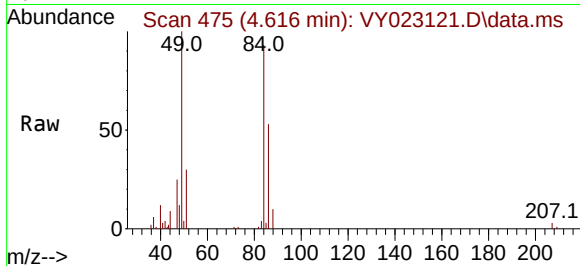




#20
Methylene Chloride
Concen: 1.538 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

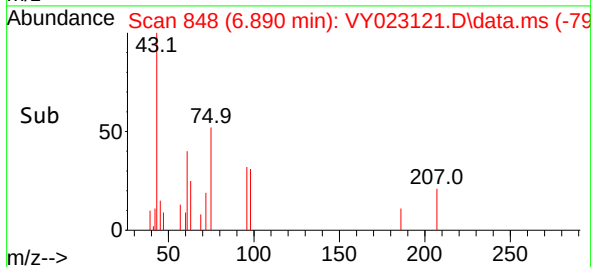
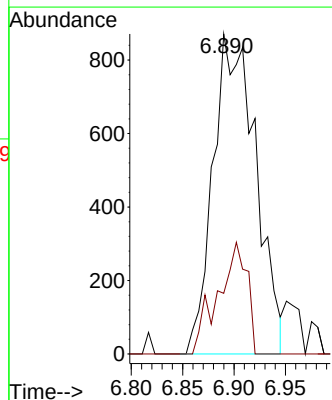
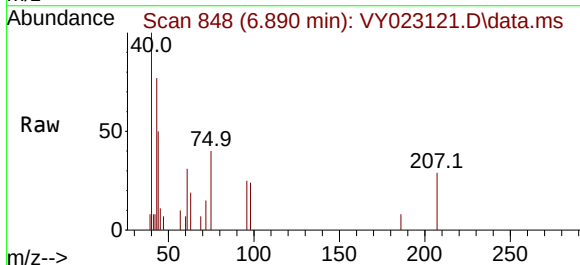
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

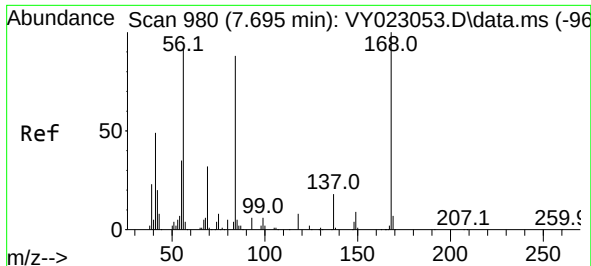
Tgt Ion:	84	Resp:	23873
Ion	Ratio	Lower	Upper
84	100		
49	107.4	93.0	139.6
51	32.4	29.0	43.4
86	57.6	50.2	75.4



#25
2-Butanone
Concen: 1.677 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion:	43	Resp:	2511
Ion	Ratio	Lower	Upper
43	100		
72	18.9	23.5	35.3#

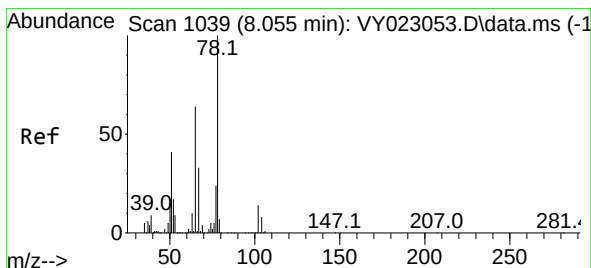
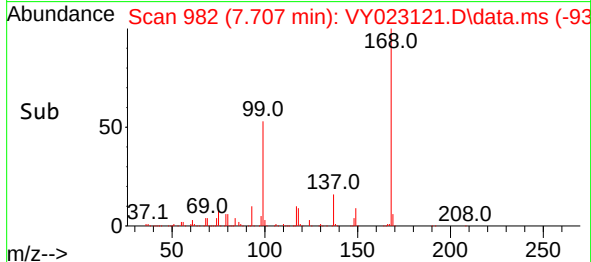
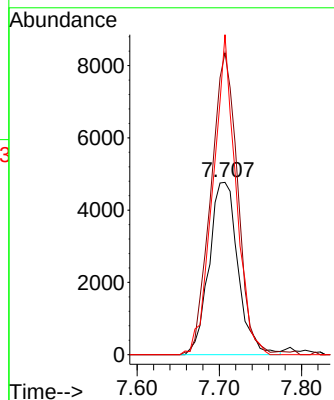
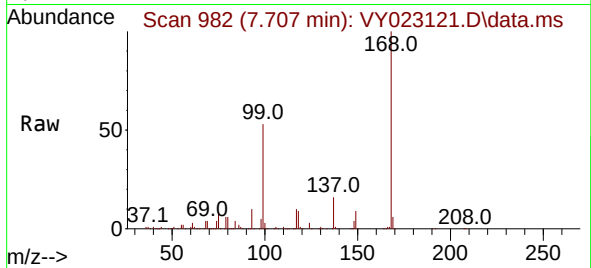




#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

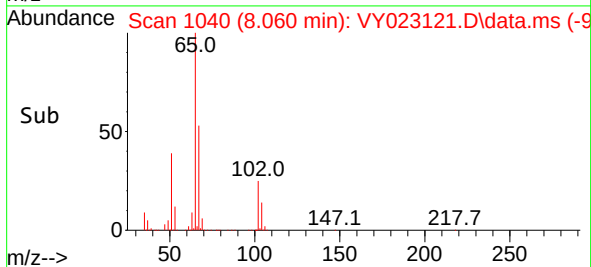
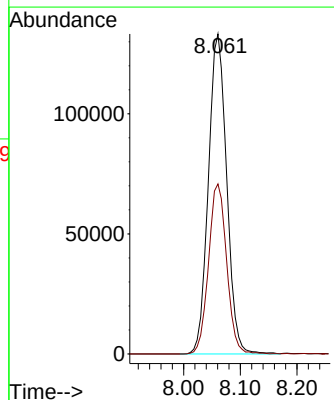
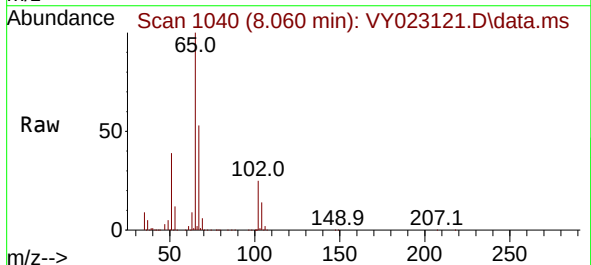
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

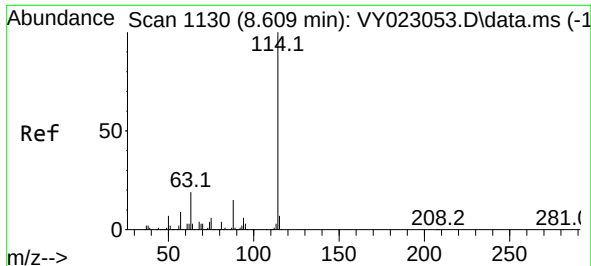
Tgt Ion: 56 Resp: 11598
Ion Ratio Lower Upper
56 100
69 175.2 28.2 42.2#
84 185.7 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.833 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion: 65 Resp: 299014
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

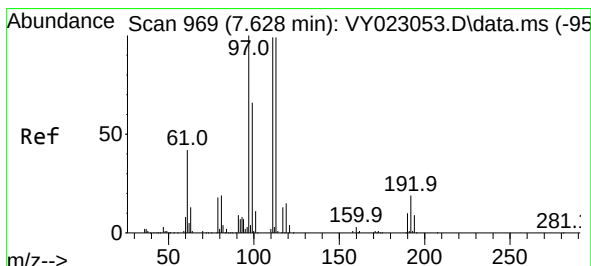
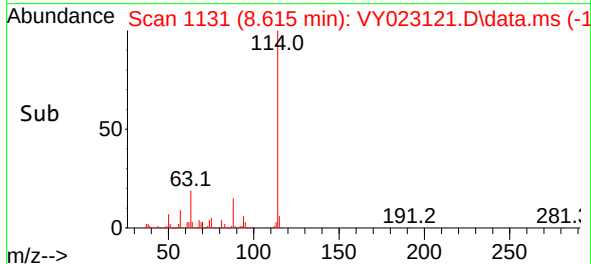
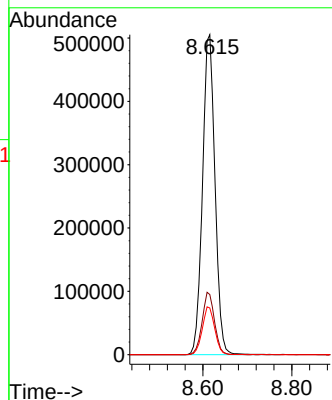
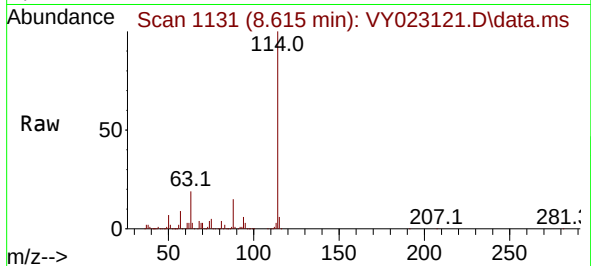




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

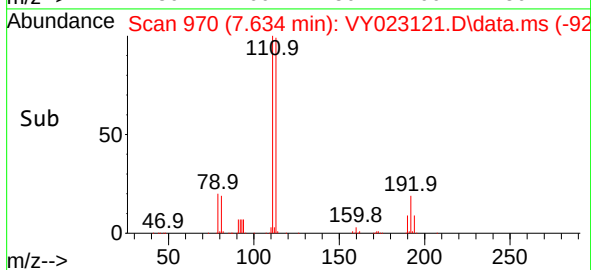
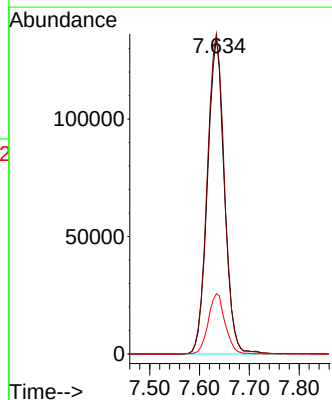
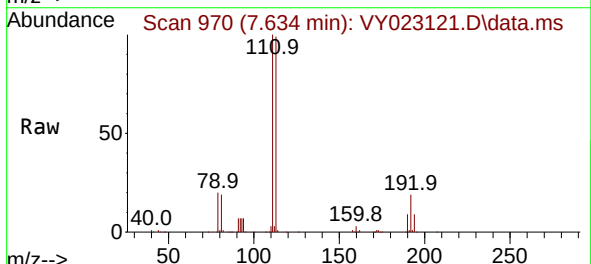
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

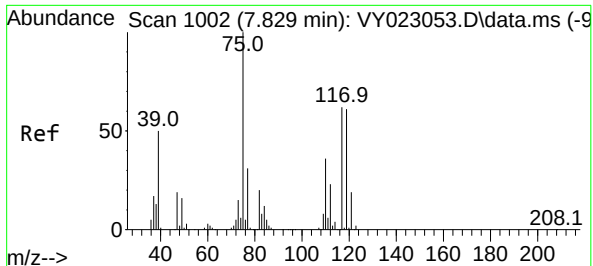
Tgt Ion:114 Resp: 990596
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.313 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion:113 Resp: 316009
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 19.0 16.2 24.4

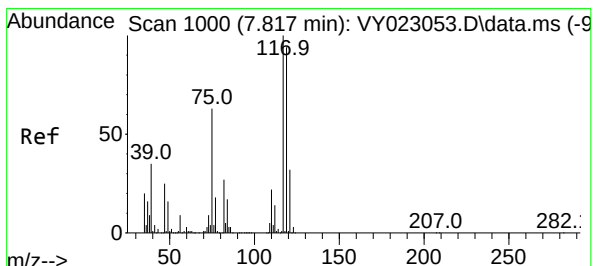
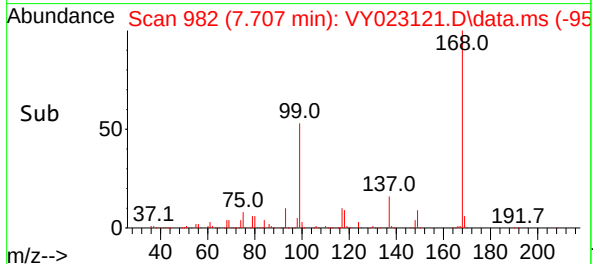
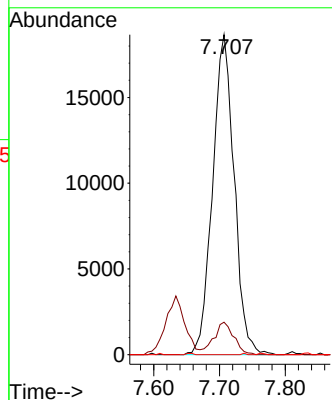
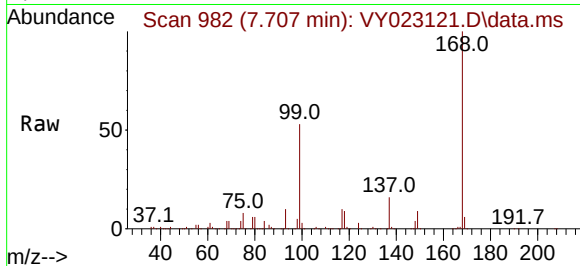




#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 7.707 min Scan# 912
Delta R.T. -0.122 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

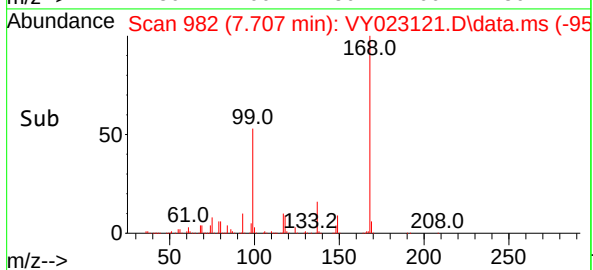
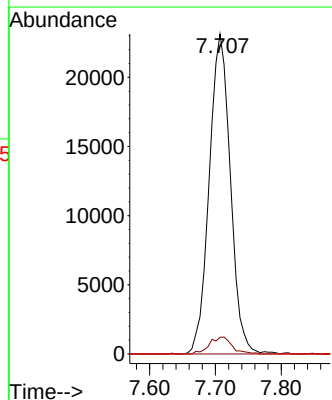
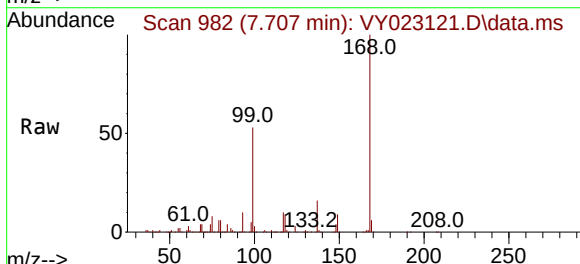
Instrument :
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ClientSampleId :
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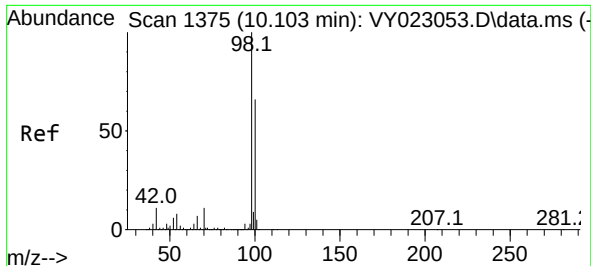
Tgt Ion: 75 Resp: 42575
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.422 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion: 117 Resp: 51873
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#

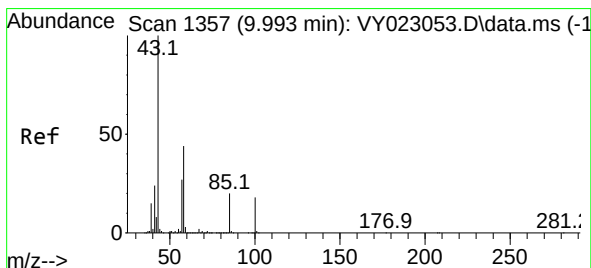
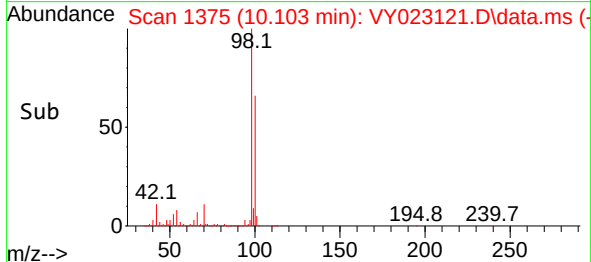
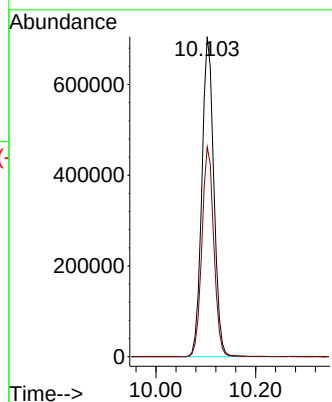
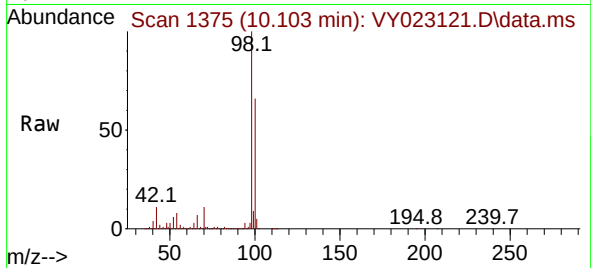




#50
Toluene-d8
Concen: 50.592 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

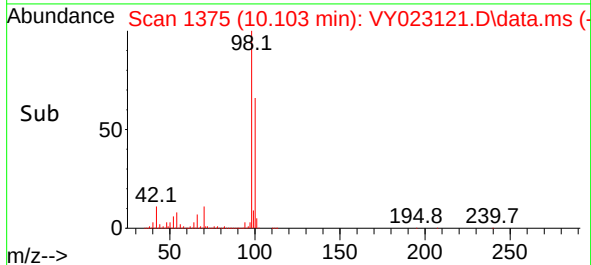
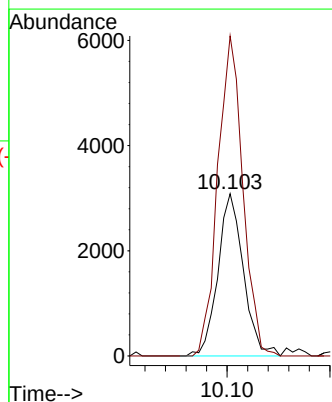
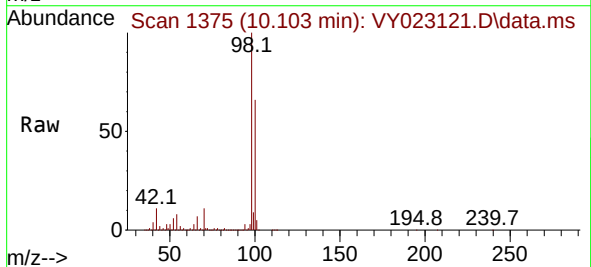
Instrument :
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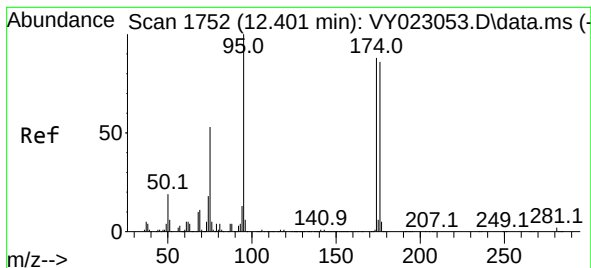
Tgt Ion: 98 Resp: 1171511
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.376 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion: 43 Resp: 5309
Ion Ratio Lower Upper
43 100
58 194.0 33.5 50.3#

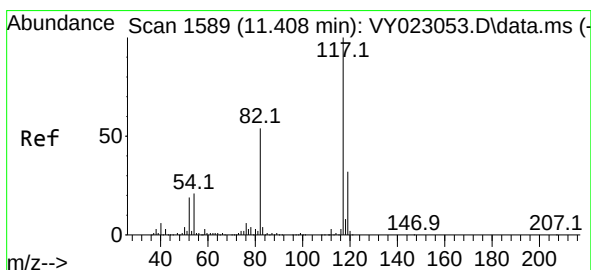
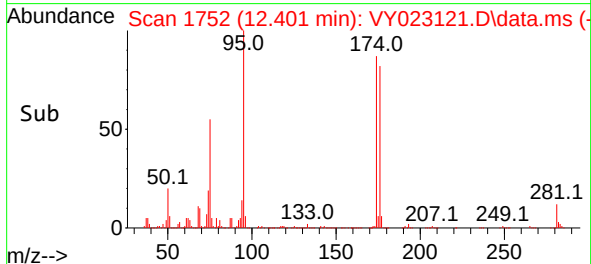
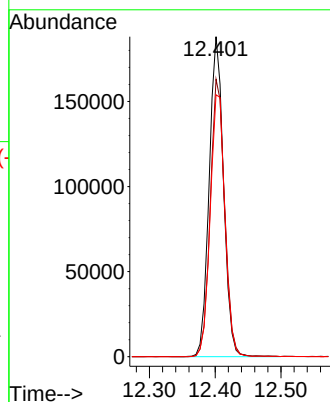
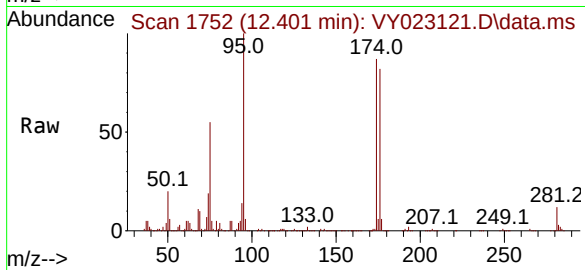




#62
4-Bromofluorobenzene
Concen: 38.361 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

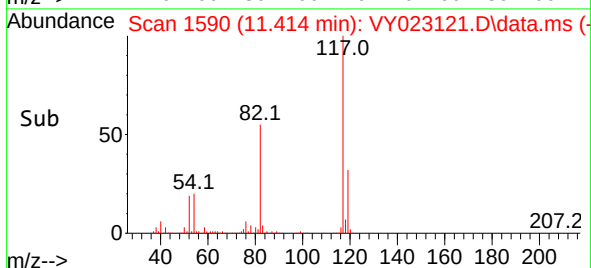
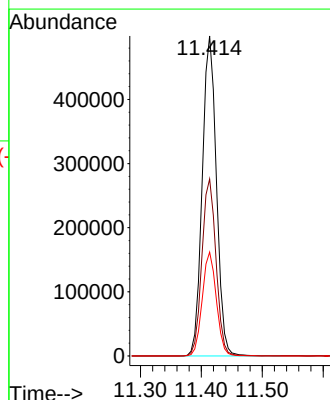
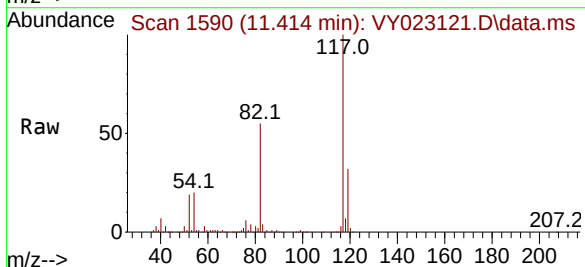
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

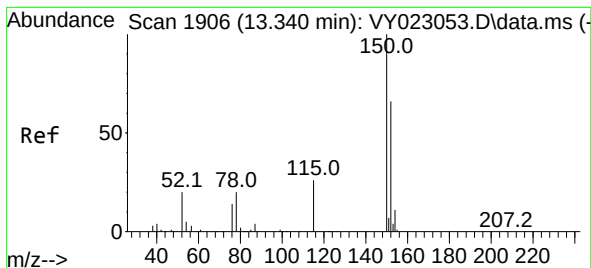
Tgt Ion: 95 Resp: 285674
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 84.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion: 117 Resp: 806199
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY023121.D

Acq: 15 Aug 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

22M-E

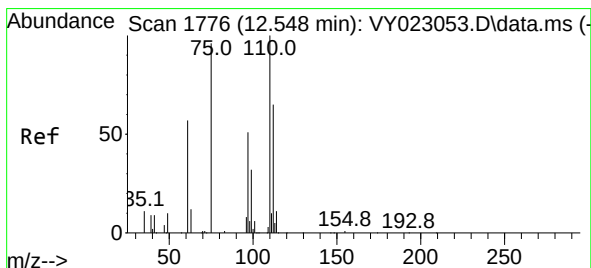
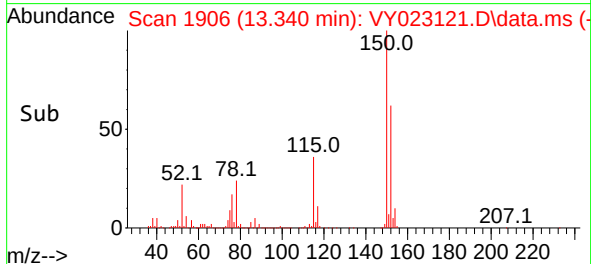
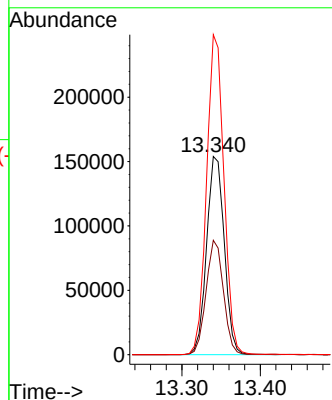
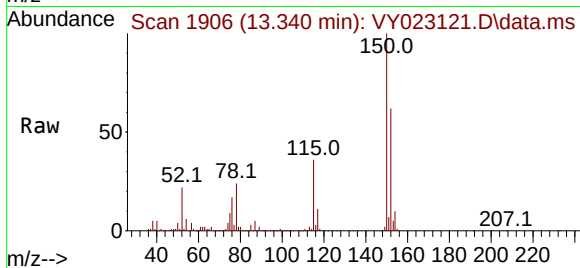
Tgt Ion:152 Resp: 241172

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 158.0 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 65.703 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.147 min

Lab File: VY023121.D

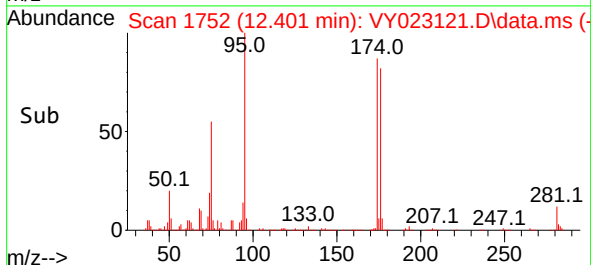
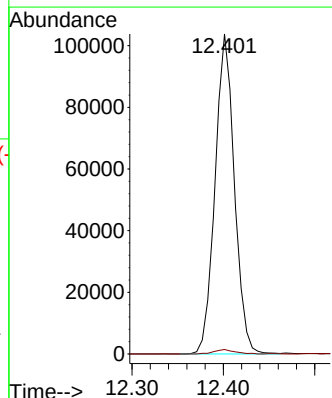
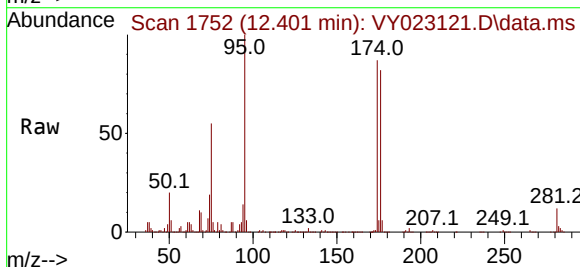
Acq: 15 Aug 2025 13:05

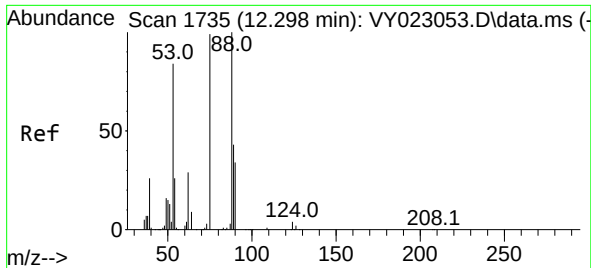
Tgt Ion: 75 Resp: 152929

Ion Ratio Lower Upper

75 100

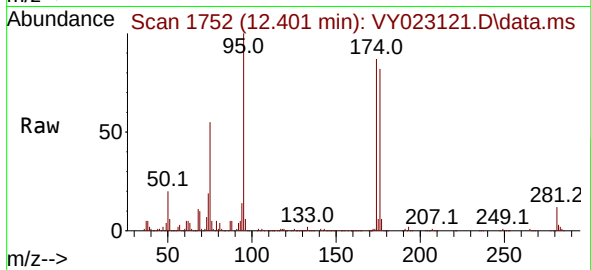
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.047 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY023121.D
 Acq: 15 Aug 2025 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E



Tgt Ion: 75 Resp: 152929

Ion	Ratio	Lower	Upper
75	100		
53	0.1	70.8	106.2#
89	0.0	38.1	57.1#

