

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023170.D
 Acq On : 20 Aug 2025 13:01
 Operator : SY/MD
 Sample : Q2879-13
 Misc : 7.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 20 15:24:16 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)

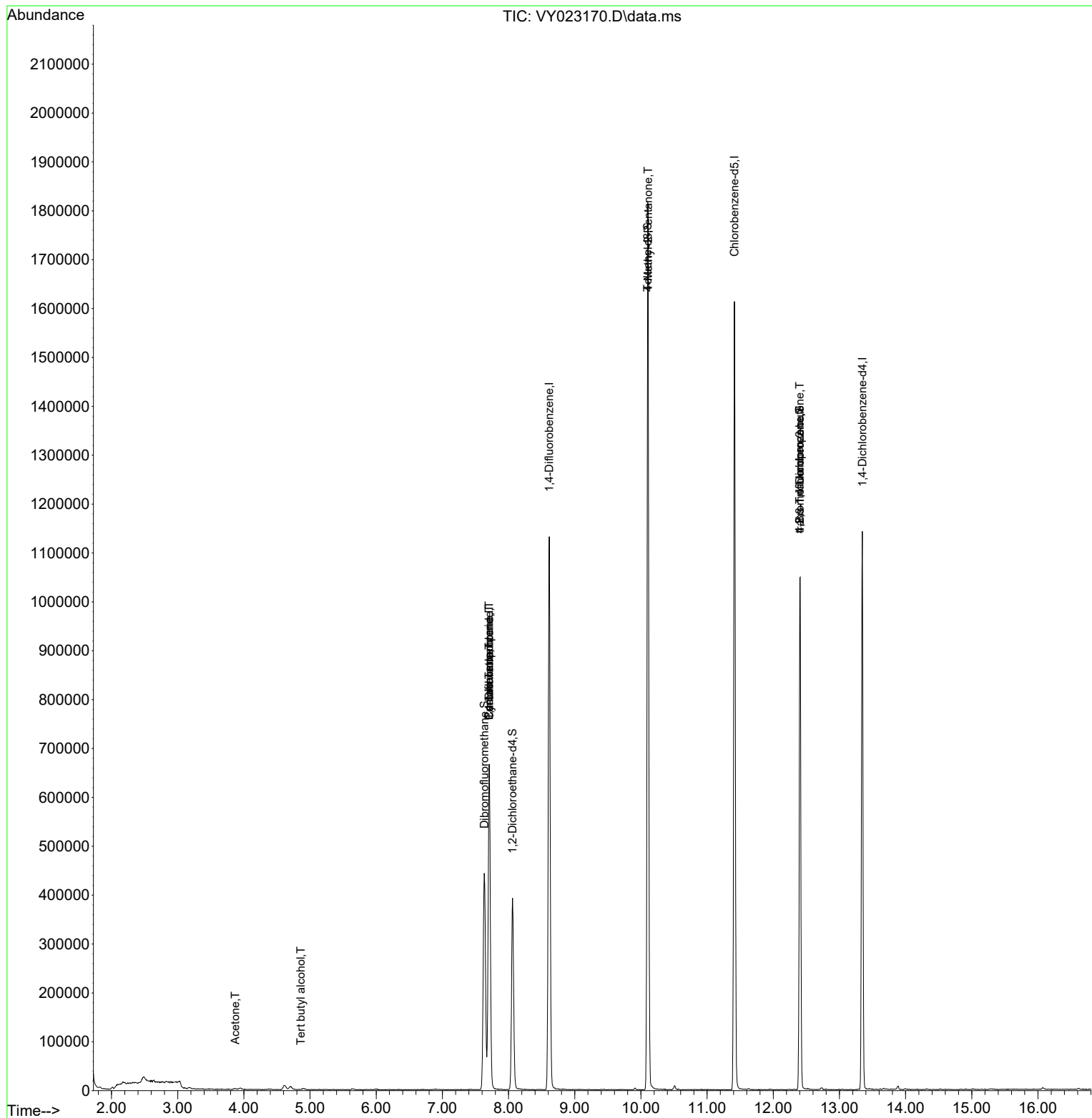
Internal Standards						
1) Pentafluorobenzene	7.707	168	525230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	985769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	856717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	295759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301144	60.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.320%	
35) Dibromofluoromethane	7.634	113	325828	55.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.103	98	1187088	51.516	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.040%	
62) 4-Bromofluorobenzene	12.401	95	324547	43.795	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	582	1.697	ug/l #	71
16) Acetone	3.872	43	3297	3.040	ug/l	99
20) Methylene Chloride	4.604	84	6385	Below Cal		92
31) Cyclohexane	7.707	56	10059	1.079	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	40397	4.608	ug/l #	49
38) Carbon Tetrachloride	7.707	117	51425	5.401	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	4760	1.240	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	170245	59.643	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	170245	144.377	ug/l #	14

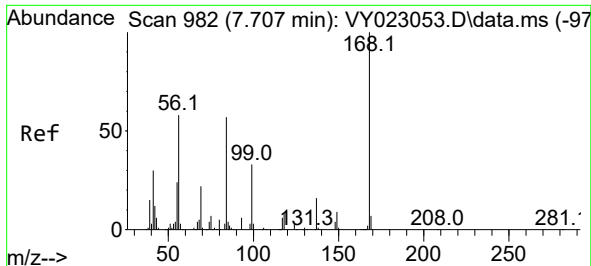
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

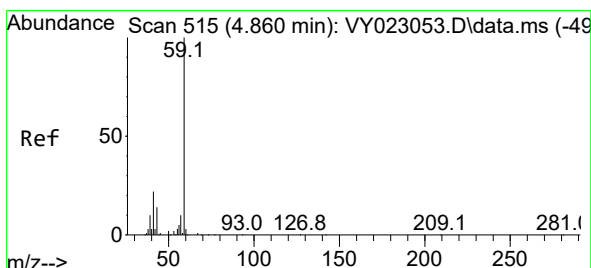
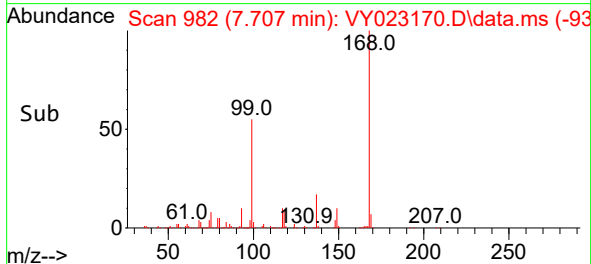
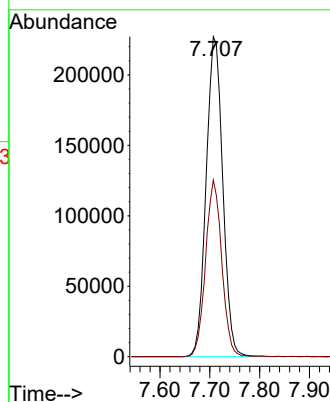
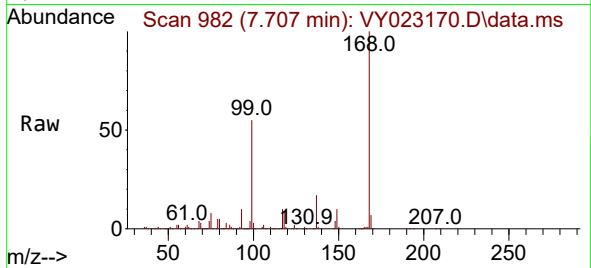




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

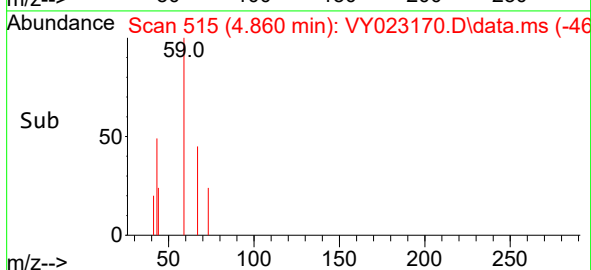
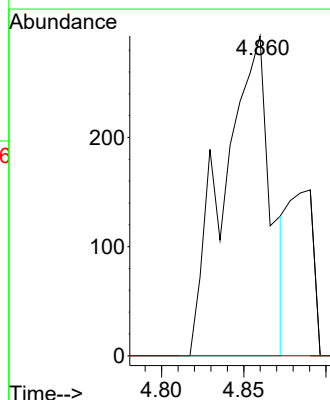
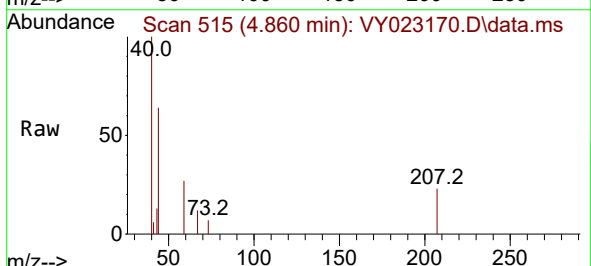
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

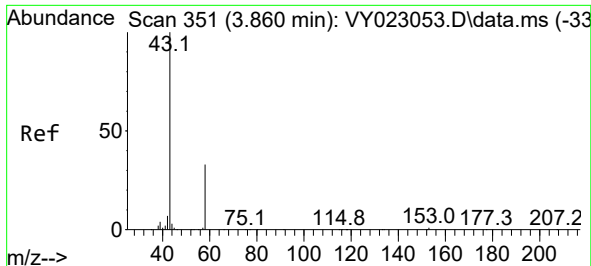
Tgt Ion:168 Resp: 525230
Ion Ratio Lower Upper
168 100
99 55.2 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.697 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

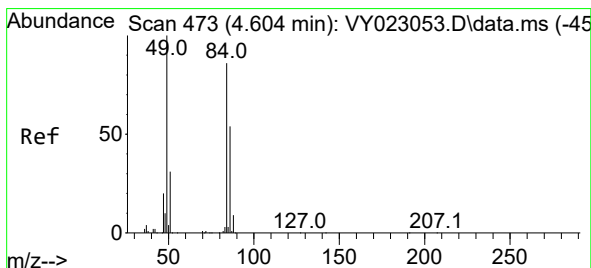
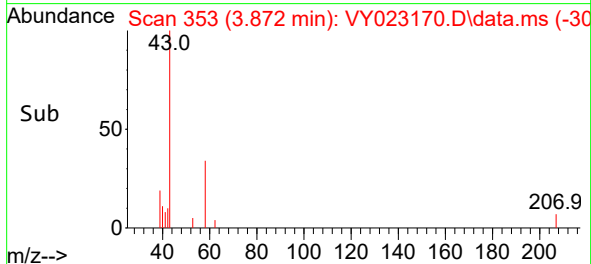
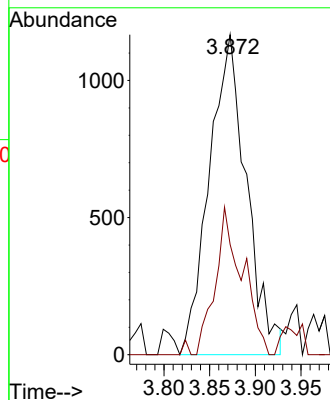
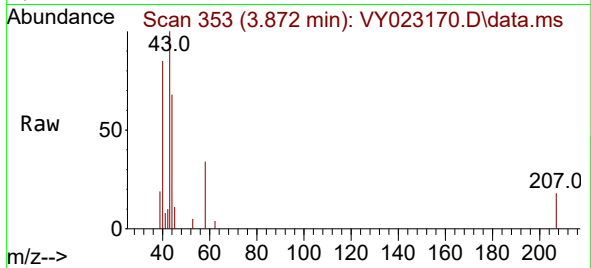




#16
Acetone
Concen: 3.040 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

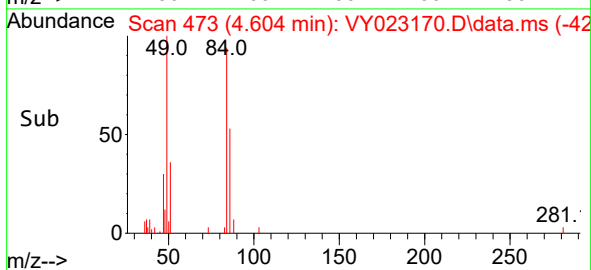
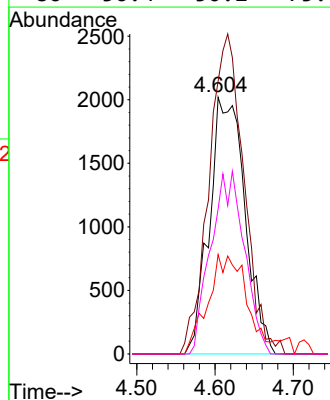
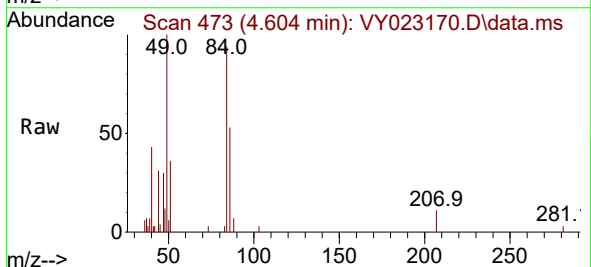
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

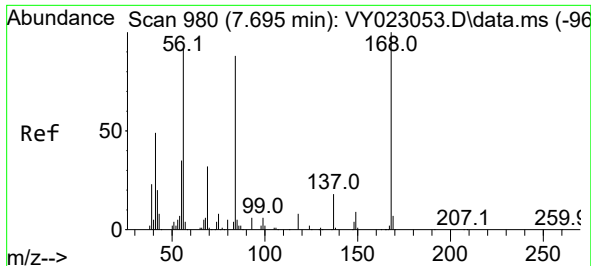
Tgt Ion: 43 Resp: 3297
Ion Ratio Lower Upper
43 100
58 34.4 27.1 40.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 473
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 84 Resp: 6385
Ion Ratio Lower Upper
84 100
49 106.3 93.0 139.6
51 38.7 29.0 43.4
86 56.4 50.2 75.4

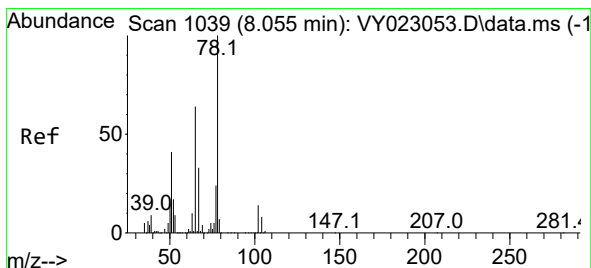
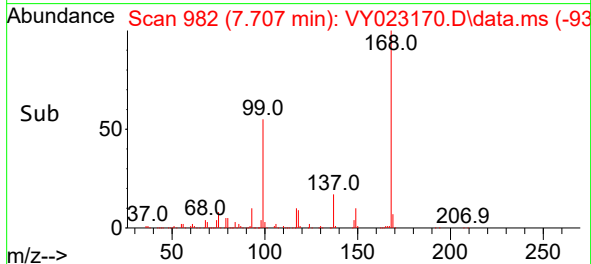
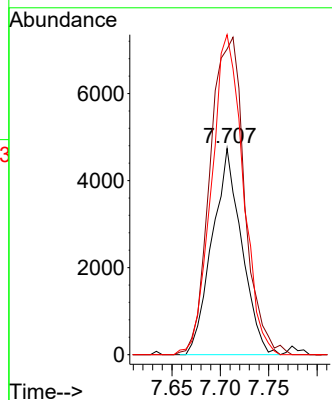
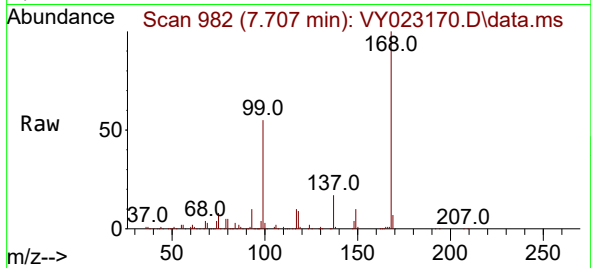




#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

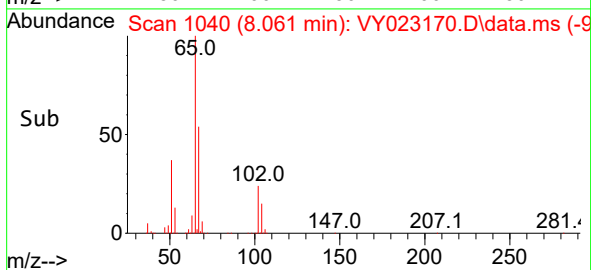
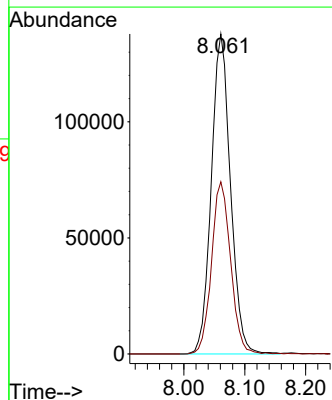
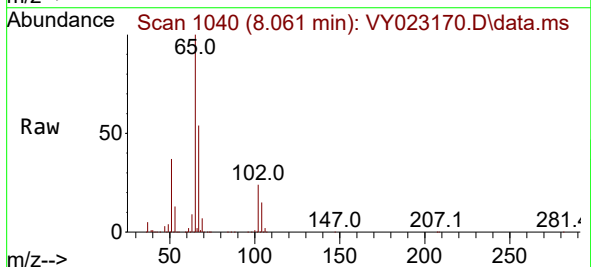
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

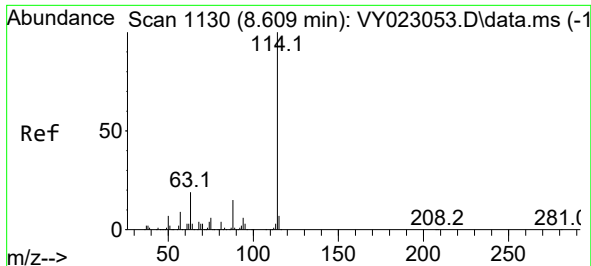
Tgt Ion: 56 Resp: 10059
Ion Ratio Lower Upper
56 100
69 146.9 28.2 42.2#
84 155.1 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 60.159 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 65 Resp: 301144
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

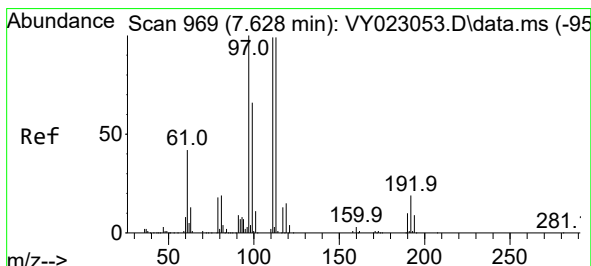
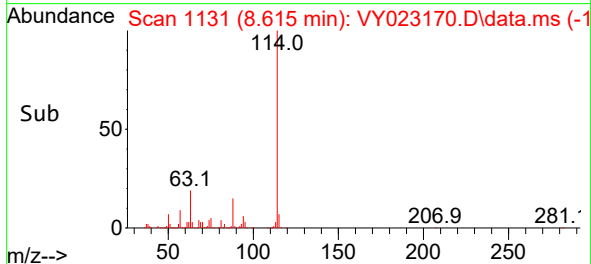
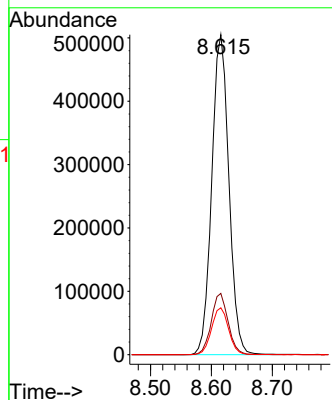
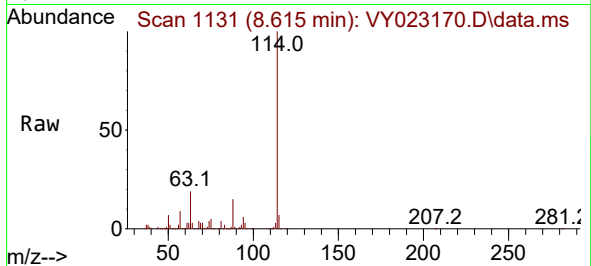




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

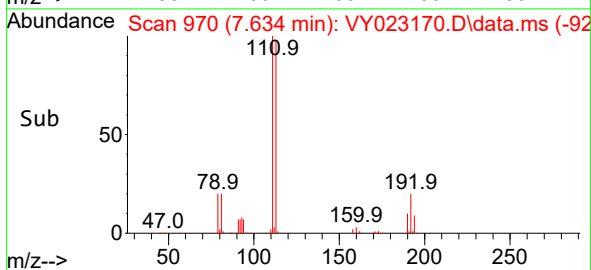
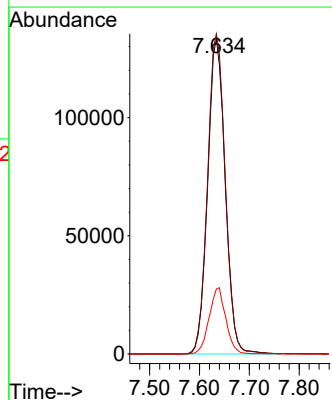
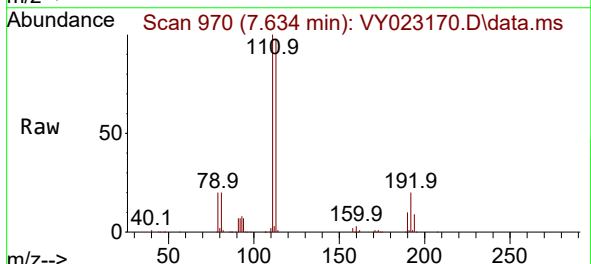
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

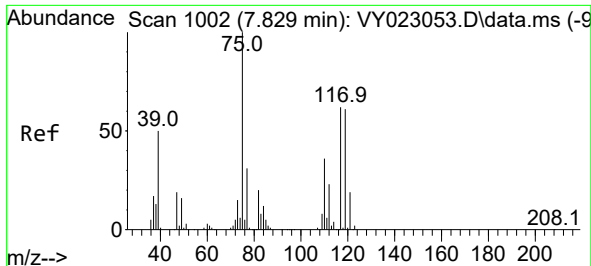
Tgt Ion:114 Resp: 985769
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.239 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion:113 Resp: 325828
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 20.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023170.D

Acq: 20 Aug 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

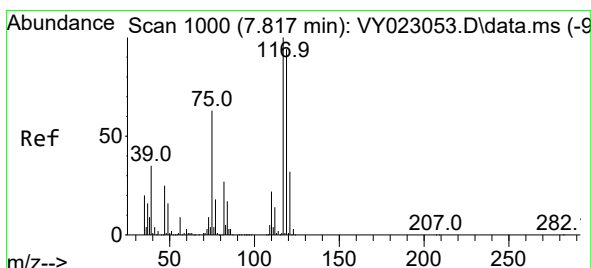
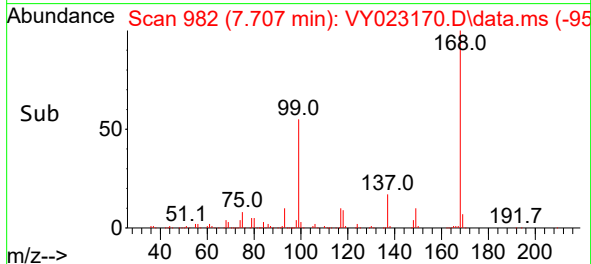
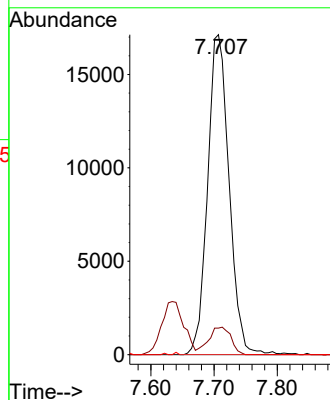
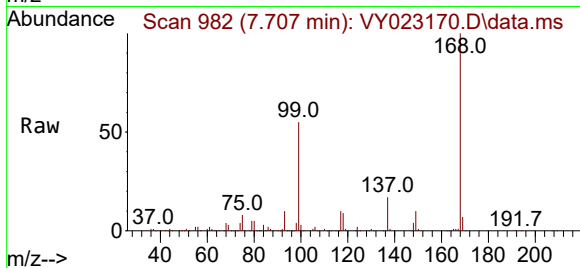
Tgt Ion: 75 Resp: 40397

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.401 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023170.D

Acq: 20 Aug 2025 13:01

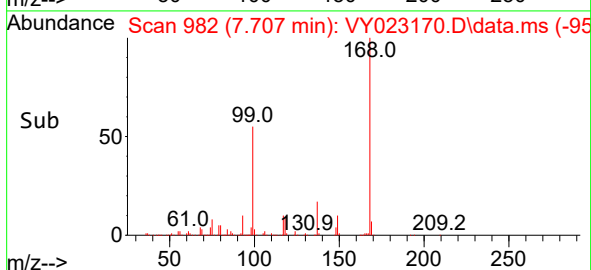
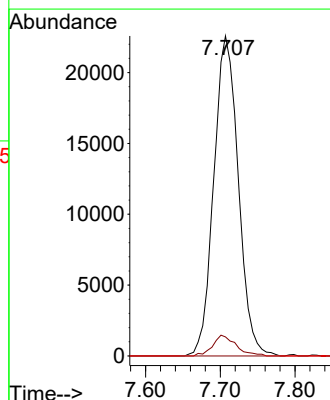
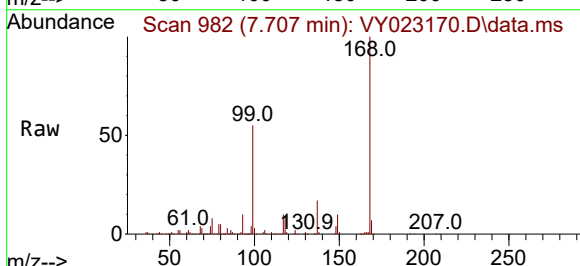
Tgt Ion: 117 Resp: 51425

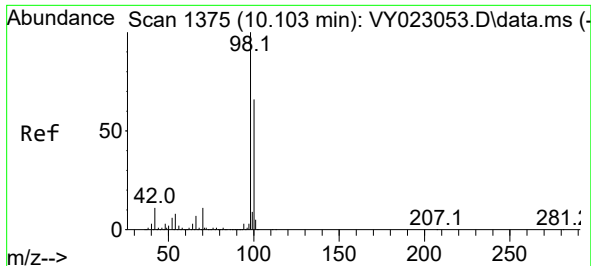
Ion Ratio Lower Upper

117 100

119 5.9 75.6 113.4#

121 0.0 25.8 38.8#

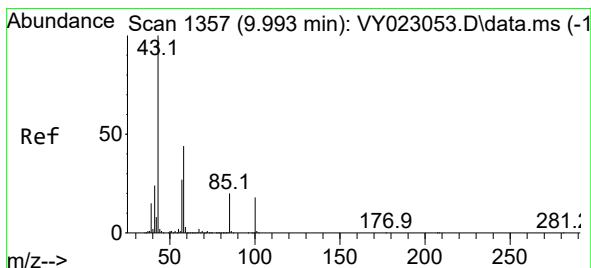
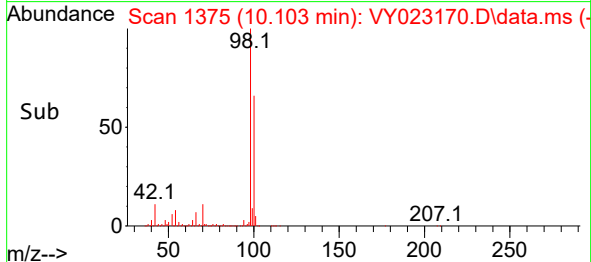
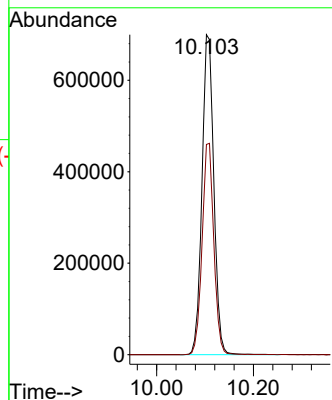
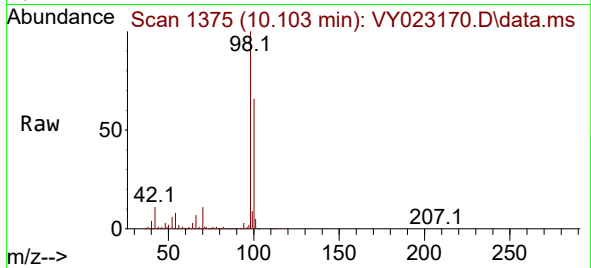




#50
Toluene-d8
Concen: 51.516 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

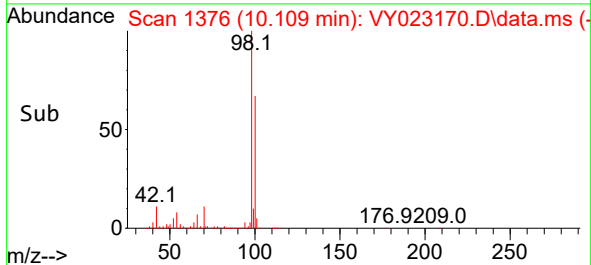
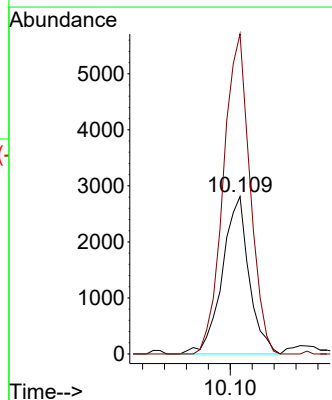
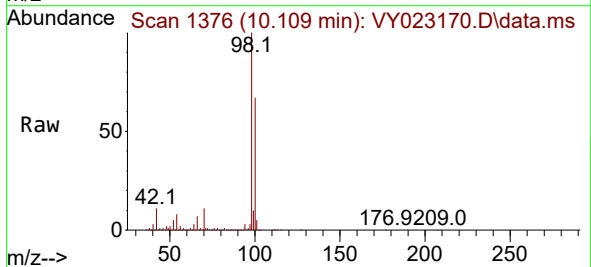
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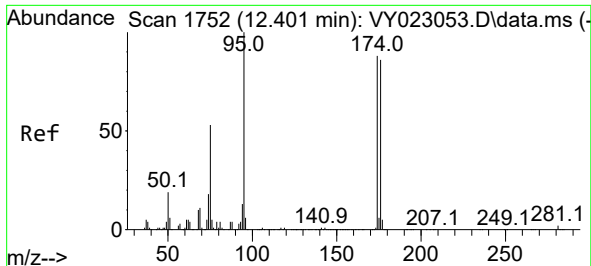
Tgt Ion: 98 Resp: 1187088
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.240 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 43 Resp: 4760
Ion Ratio Lower Upper
43 100
58 201.9 33.5 50.3#

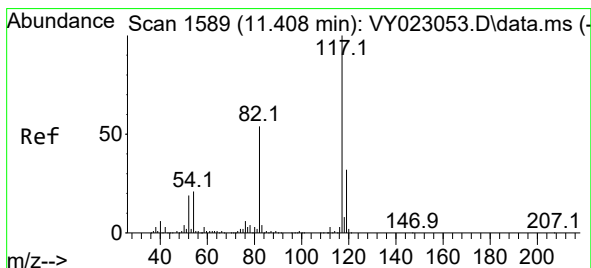
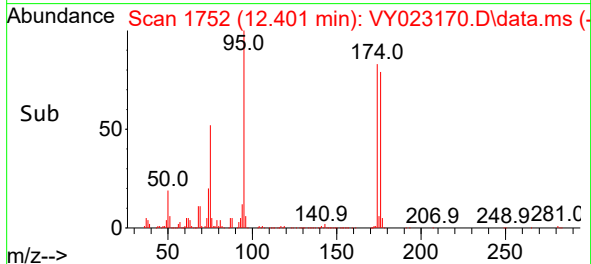
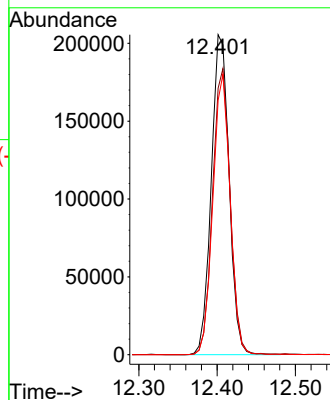
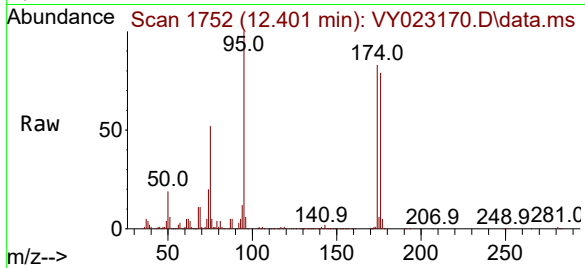




#62
4-Bromofluorobenzene
Concen: 43.795 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

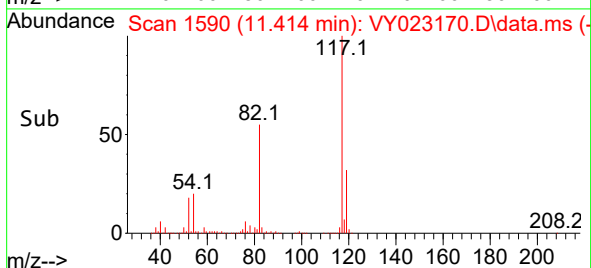
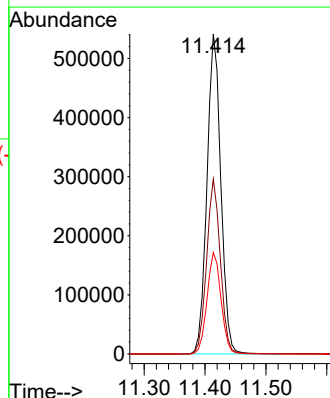
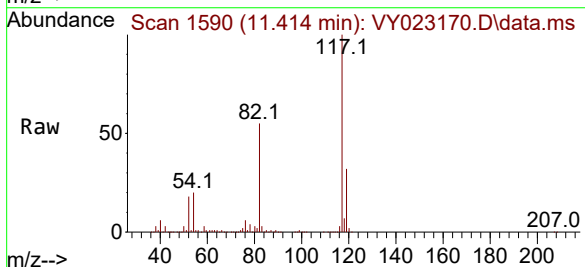
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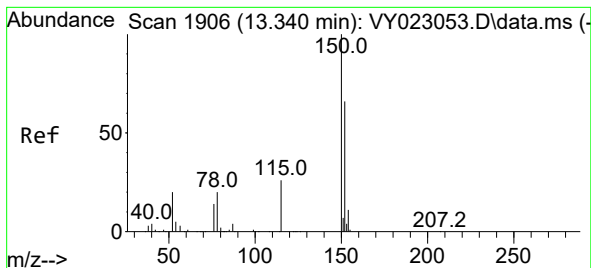
Tgt Ion: 95 Resp: 324547
Ion Ratio Lower Upper
95 100
174 88.5 0.0 171.6
176 85.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 117 Resp: 856717
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023170.D

Acq: 20 Aug 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

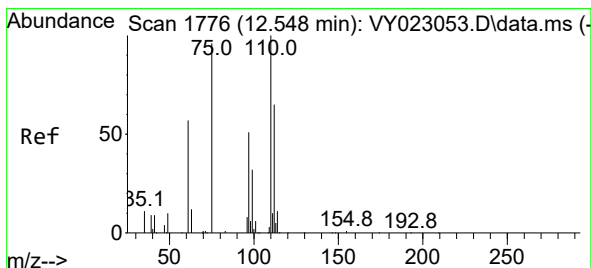
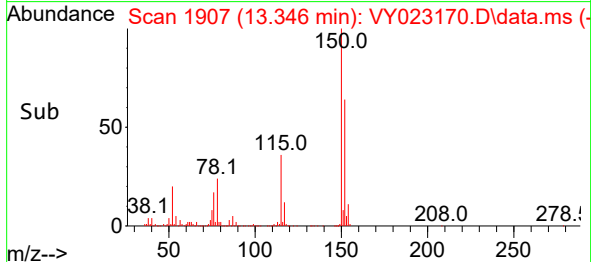
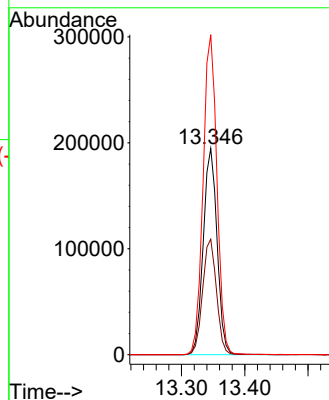
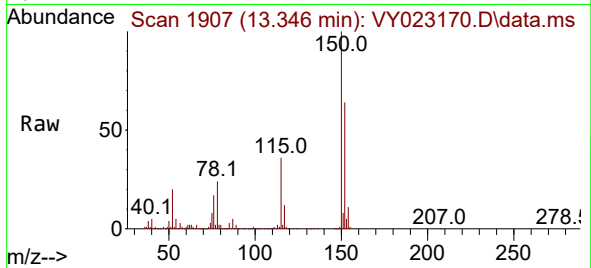
Tgt Ion:152 Resp: 295759

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 155.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 59.643 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023170.D

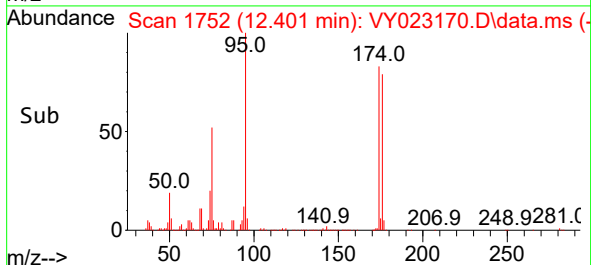
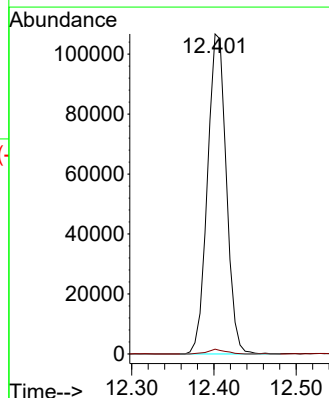
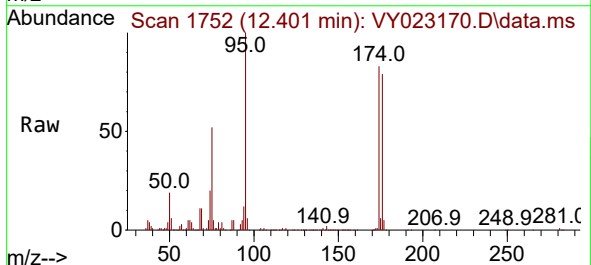
Acq: 20 Aug 2025 13:01

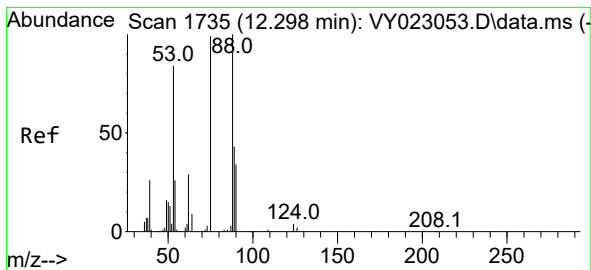
Tgt Ion: 75 Resp: 170245

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.377 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY023170.D
 Acq: 20 Aug 2025 13:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Tgt Ion: 75 Resp: 170245
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.8 106.2#
 89 0.0 38.1 57.1#

