

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023077.D
 Acq On : 13 Aug 2025 18:04
 Operator : SY/MD
 Sample : Q2819-15
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-N

Quant Time: Aug 14 01:27:42 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)

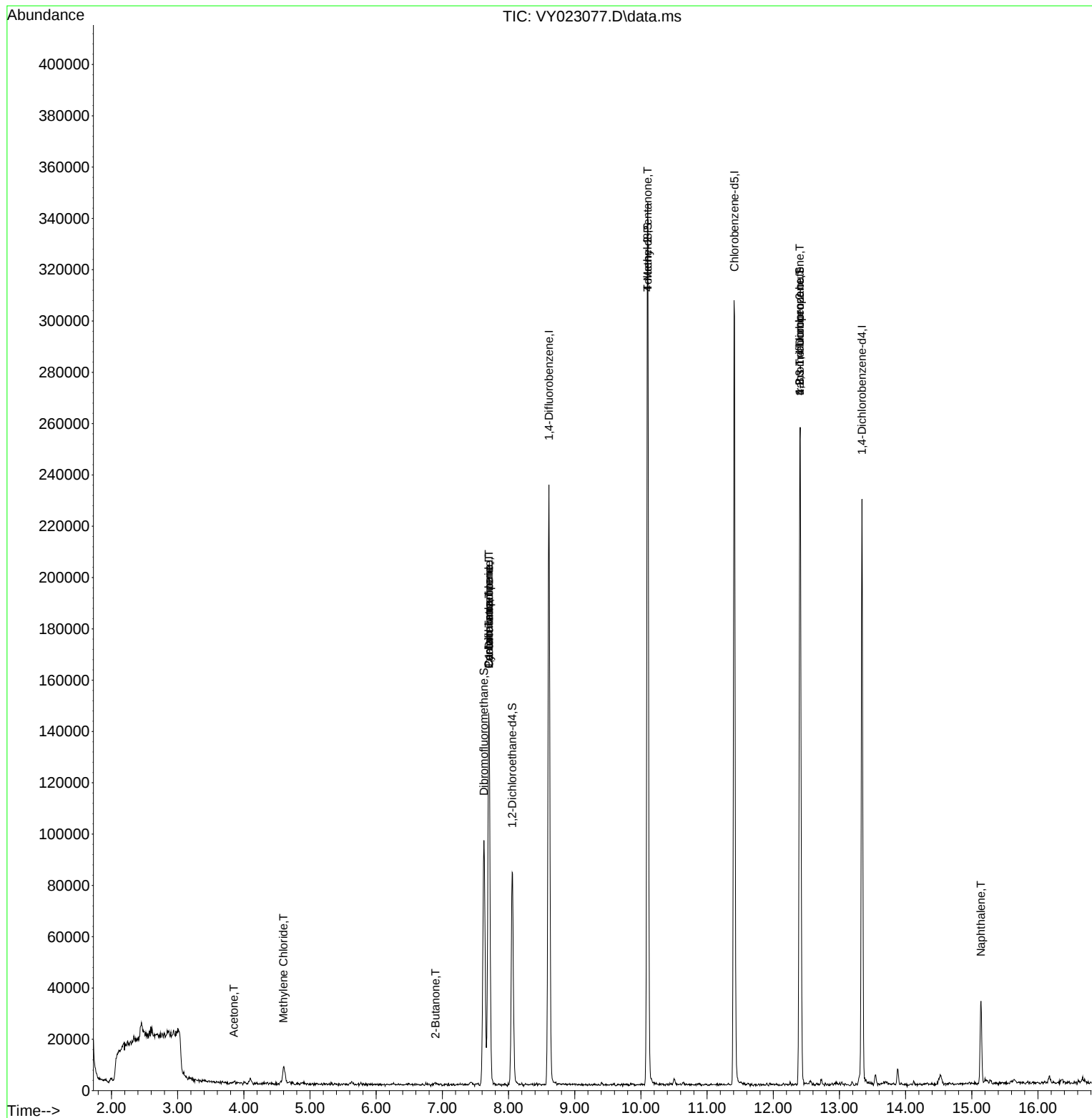
Internal Standards						
1) Pentafluorobenzene	7.701	168	113179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	199027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	166332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	55990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	66435	61.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.180%	
35) Dibromofluoromethane	7.628	113	67844	56.968	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.940%	
50) Toluene-d8	10.103	98	229284	49.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	12.401	95	59636	39.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.720%	
Target Compounds						
					Qvalue	
16) Acetone	3.848	43	973	4.164	ug/l #	41
20) Methylene Chloride	4.598	84	4571	1.106	ug/l #	92
25) 2-Butanone	6.896	43	356	1.120	ug/l #	45
31) Cyclohexane	7.701	56	2433	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	9485	5.359	ug/l #	50
38) Carbon Tetrachloride	7.701	117	11218	5.836	ug/l #	19
51) 4-Methyl-2-Pentanone	10.103	43	1361	1.756	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	33354	61.725	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	33354	149.417	ug/l #	14
95) Naphthalene	15.139	128	27317	16.615	ug/l	97

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

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Quant Title : SW846 8260
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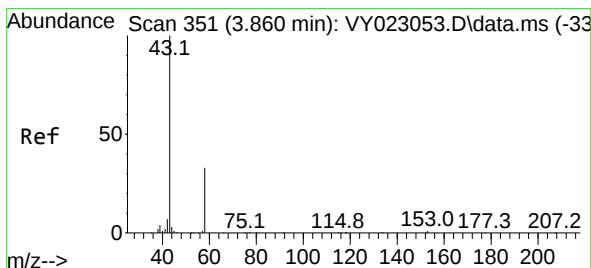
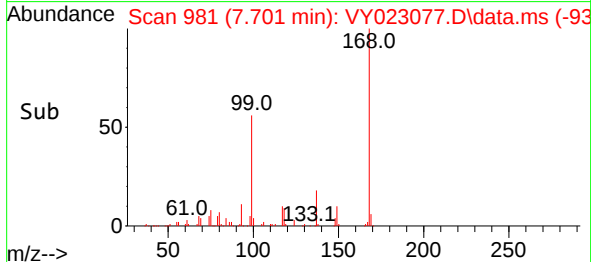
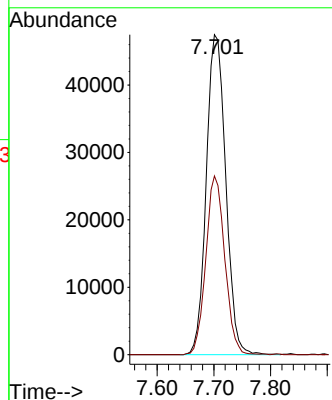
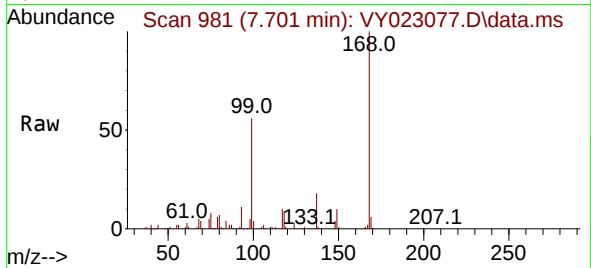




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

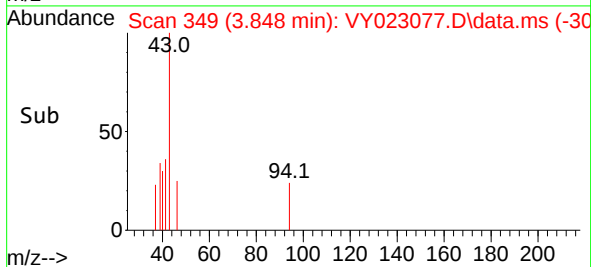
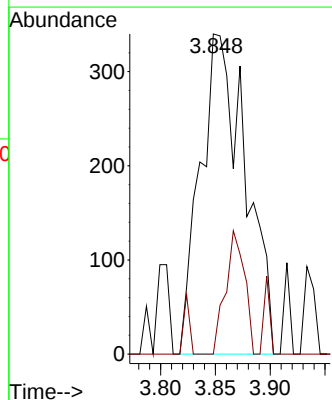
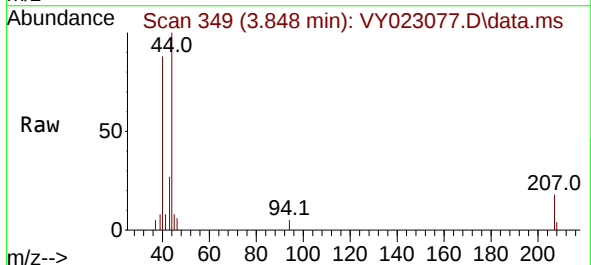
Instrument :
MSVOA_Y
ClientSampleId :
17M-N

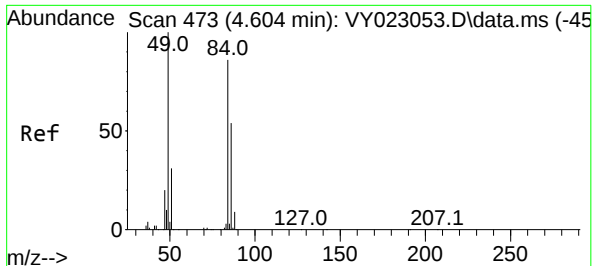
Tgt Ion:168 Resp: 113179
Ion Ratio Lower Upper
168 100
99 55.8 42.8 64.2



#16
Acetone
Concen: 4.164 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#

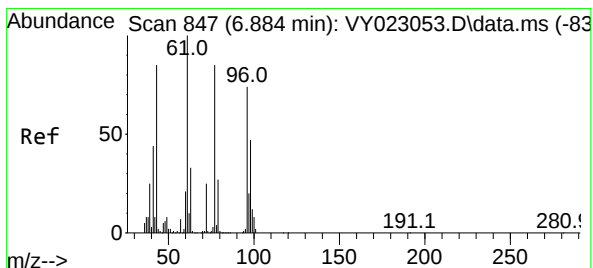
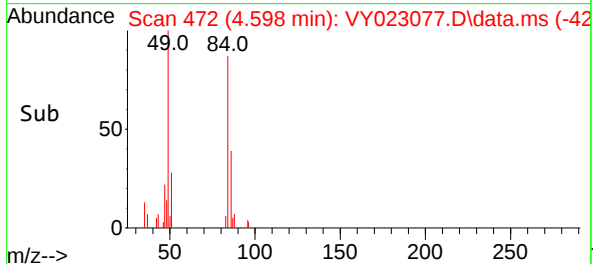
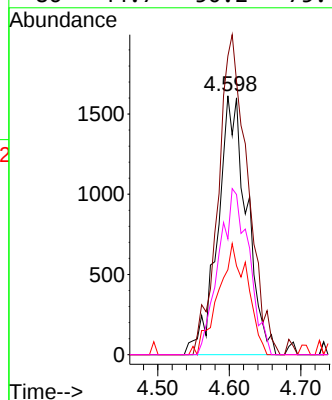
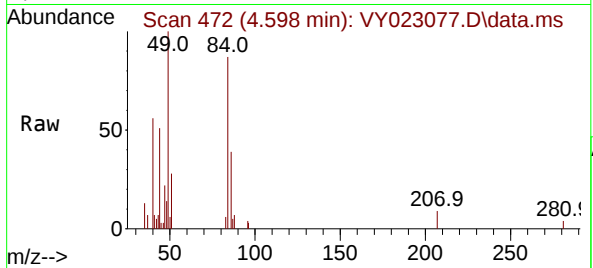




#20
Methylene Chloride
Concen: 1.106 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

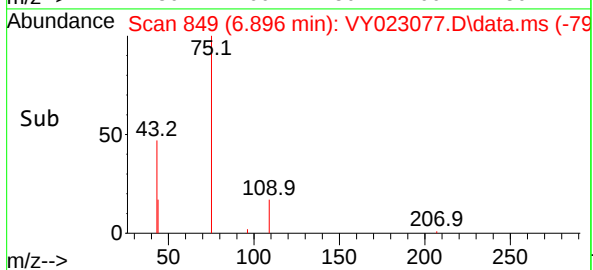
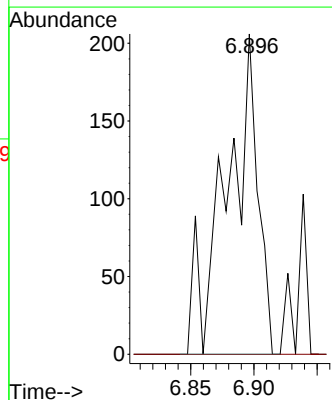
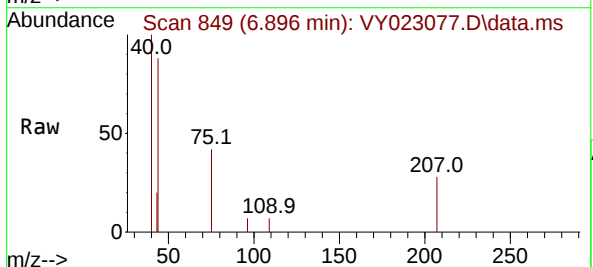
Instrument :
MSVOA_Y
ClientSampleId :
17M-N

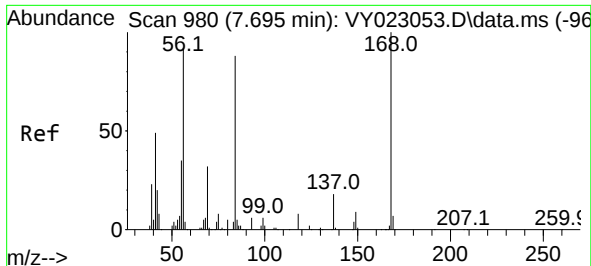
Tgt Ion: 84 Resp: 4571
Ion Ratio Lower Upper
84 100
49 115.3 93.0 139.6
51 32.8 29.0 43.4
86 44.7 50.2 75.4#



#25
2-Butanone
Concen: 1.120 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
72 0.0 23.5 35.3#

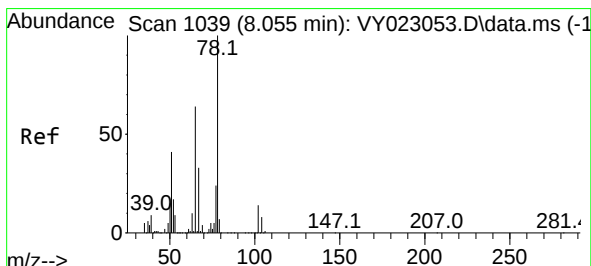
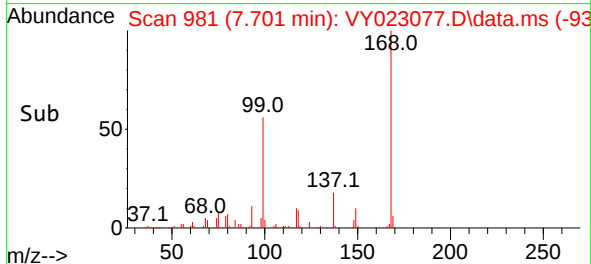
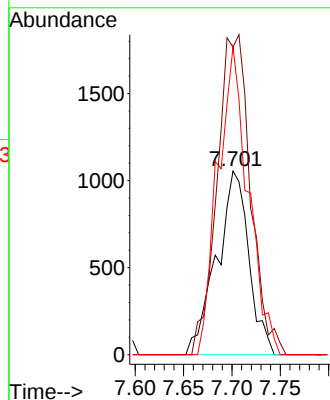
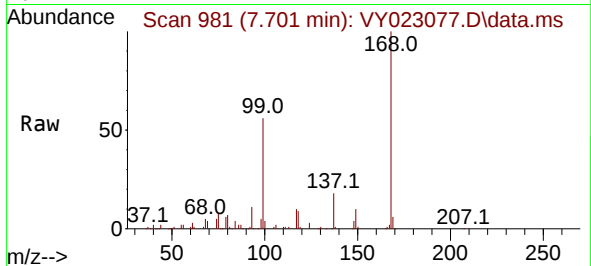




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.701 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

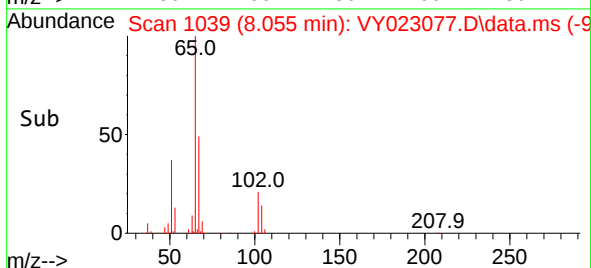
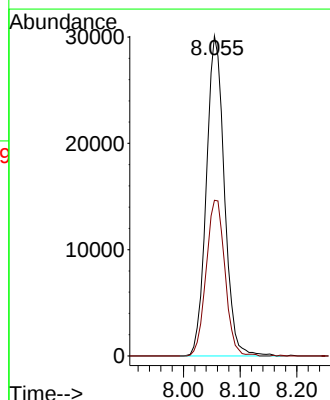
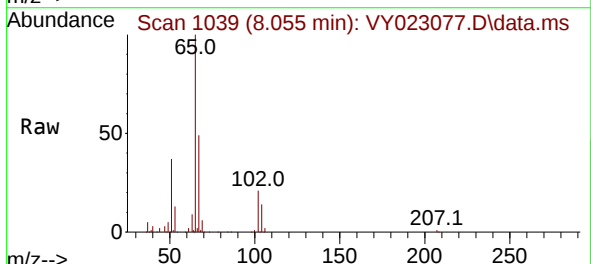
Instrument :
MSVOA_Y
ClientSampleId :
17M-N

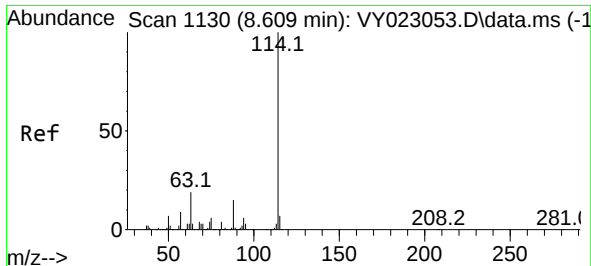
Tgt Ion: 56 Resp: 2433
Ion Ratio Lower Upper
56 100
69 167.6 28.2 42.2#
84 167.6 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 61.590 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion: 65 Resp: 66435
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023077.D

Acq: 13 Aug 2025 18:04

Instrument :

MSVOA_Y

ClientSampleId :

17M-N

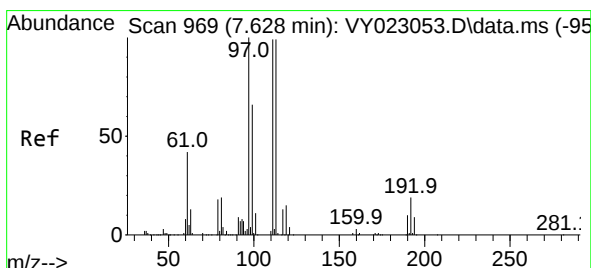
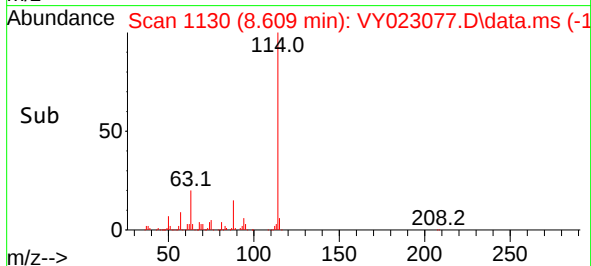
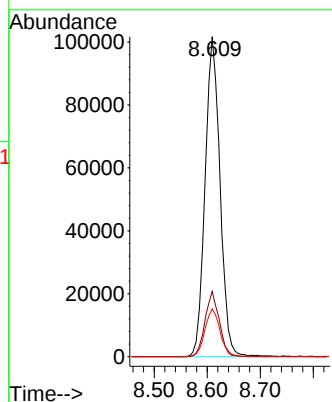
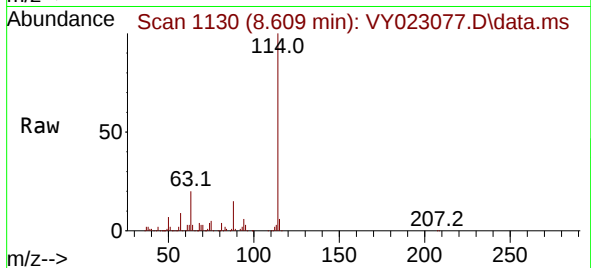
Tgt Ion:114 Resp: 199027

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 56.968 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023077.D

Acq: 13 Aug 2025 18:04

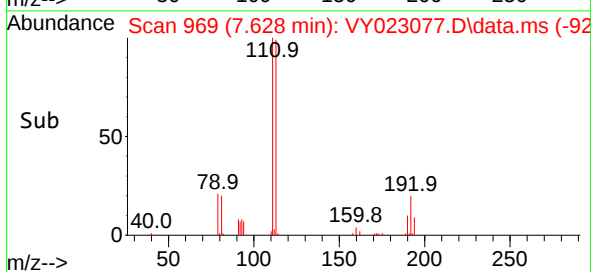
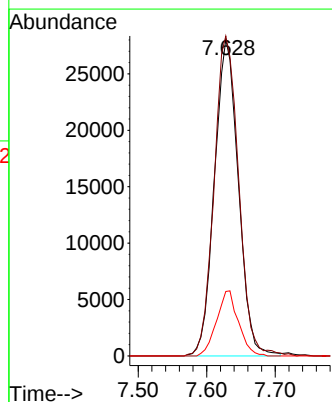
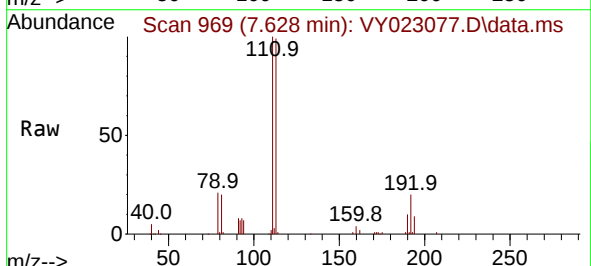
Tgt Ion:113 Resp: 67844

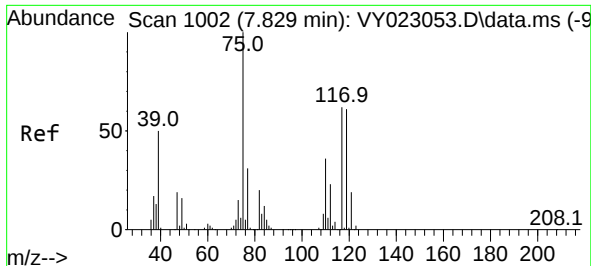
Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

192 18.8 16.2 24.4

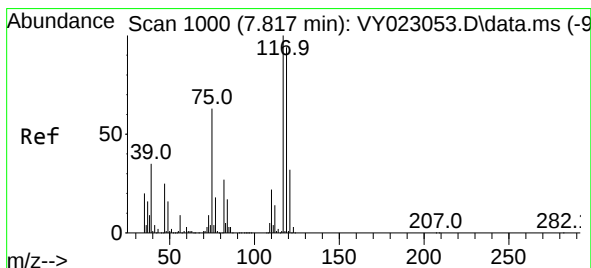
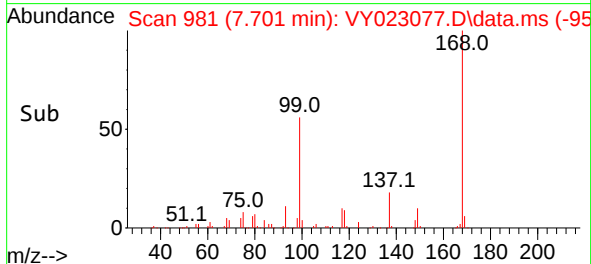
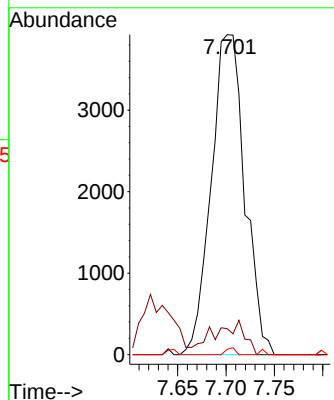
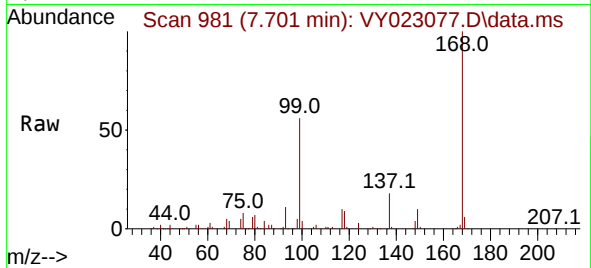




#36
 1,1-Dichloropropene
 Concen: 5.359 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.128 min
 Lab File: VY023077.D
 Acq: 13 Aug 2025 18:04

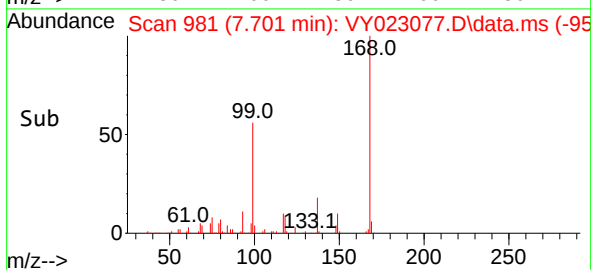
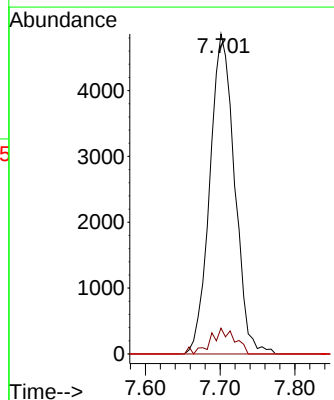
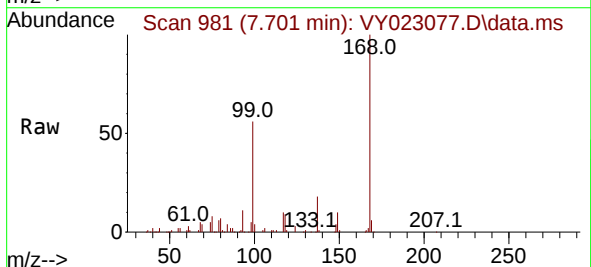
Instrument :
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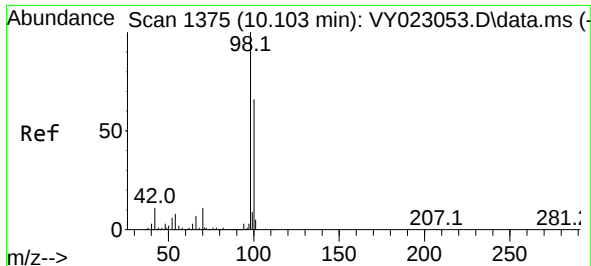
Tgt Ion: 75 Resp: 9485
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.4#
 77 0.6 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.836 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.116 min
 Lab File: VY023077.D
 Acq: 13 Aug 2025 18:04

Tgt Ion: 117 Resp: 11218
 Ion Ratio Lower Upper
 117 100
 119 8.0 75.6 113.4#
 121 0.0 25.8 38.8#

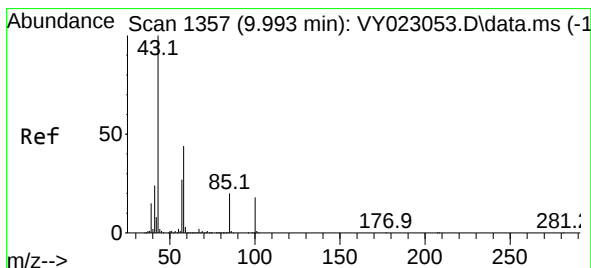
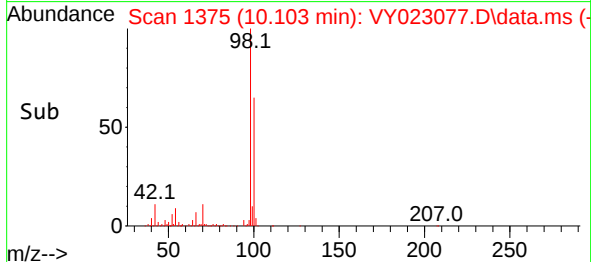
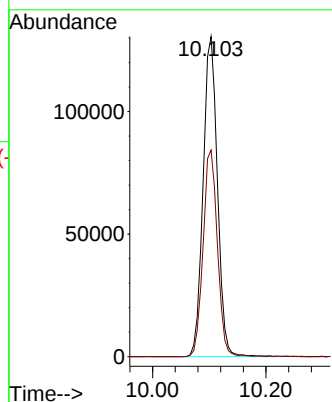
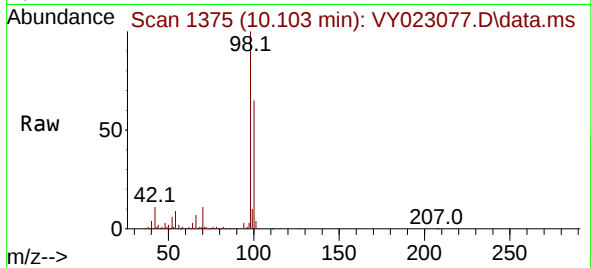




#50
Toluene-d8
Concen: 49.283 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

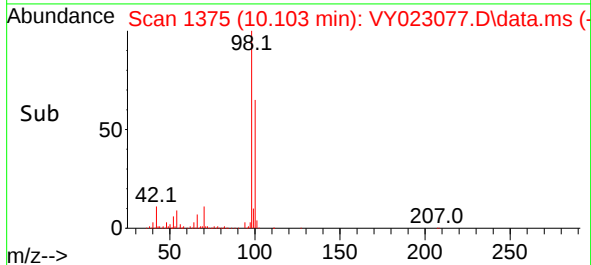
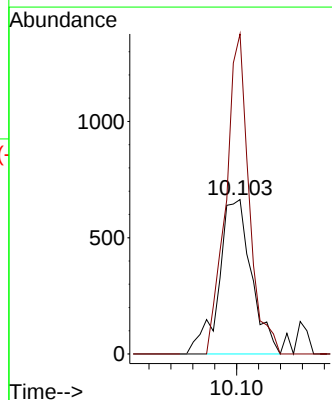
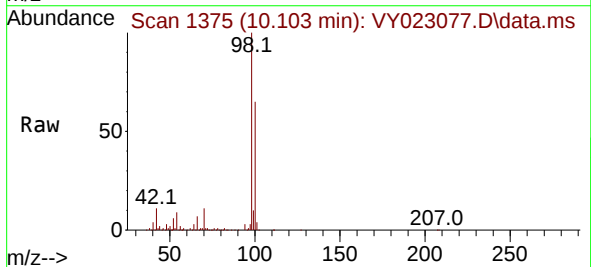
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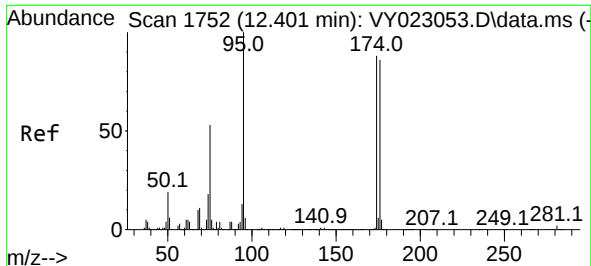
Tgt Ion: 98 Resp: 229284
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.756 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
58 148.3 33.5 50.3#

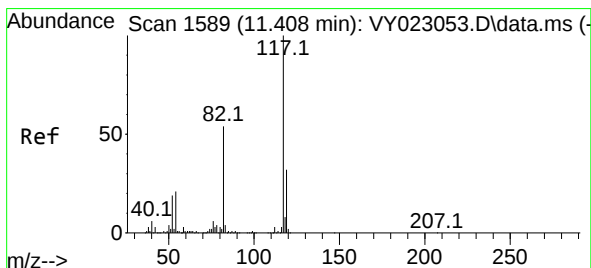
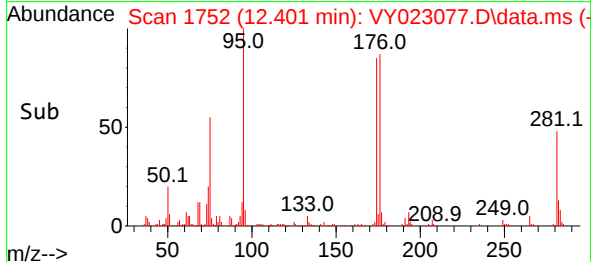
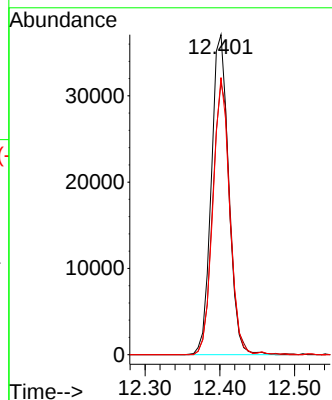
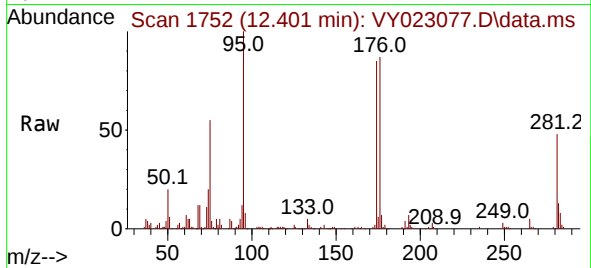




#62
4-Bromofluorobenzene
Concen: 39.858 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

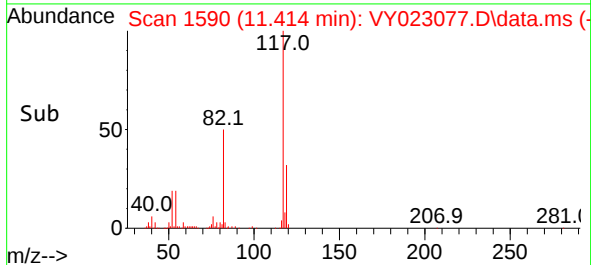
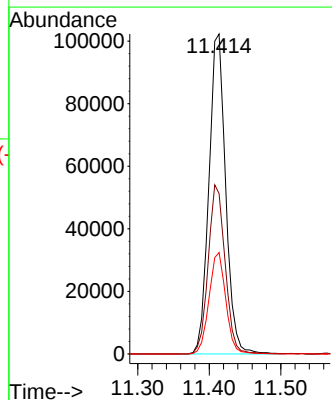
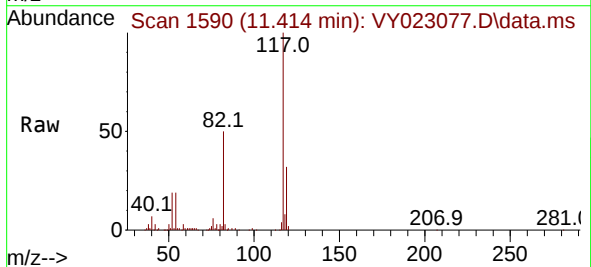
Instrument :
MSVOA_Y
ClientSampleId :
17M-N

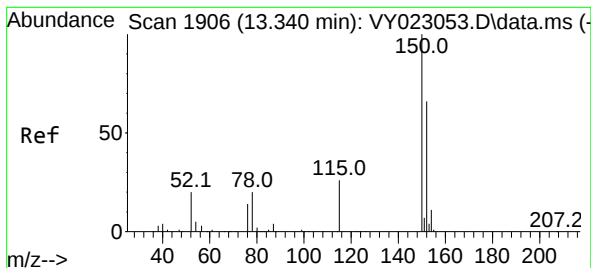
Tgt Ion: 95 Resp: 59636
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion: 117 Resp: 166332
Ion Ratio Lower Upper
117 100
82 50.1 43.4 65.0
119 31.7 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: VY023077.D

Acq: 13 Aug 2025 18:04

Instrument :

MSVOA_Y

ClientSampleId :

17M-N

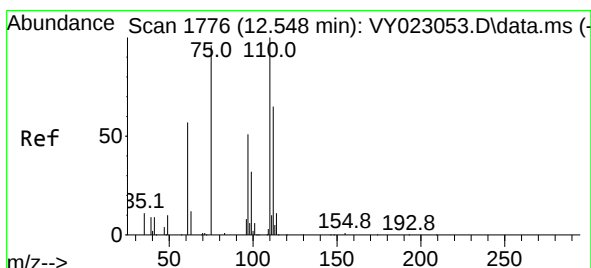
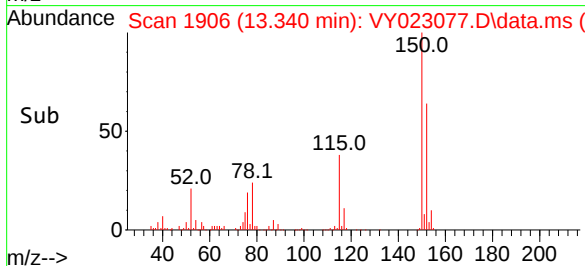
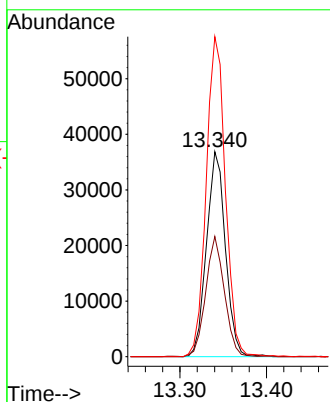
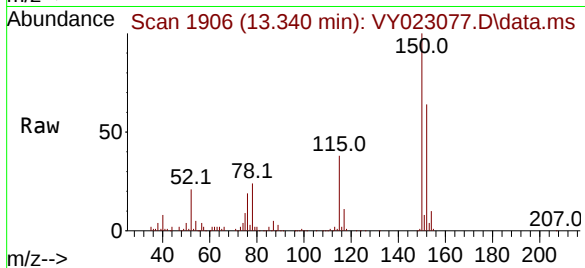
Tgt Ion:152 Resp: 55990

Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.6

150 158.1 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 61.725 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023077.D

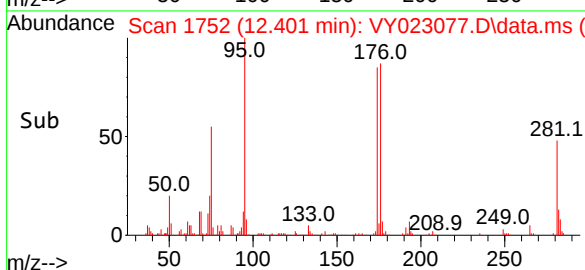
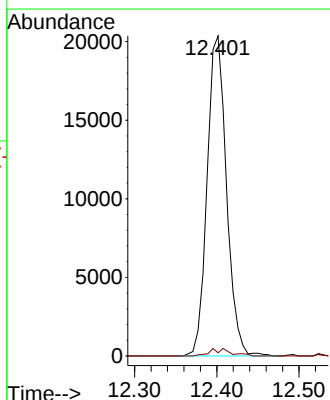
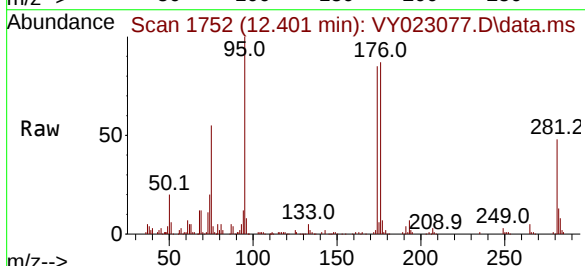
Acq: 13 Aug 2025 18:04

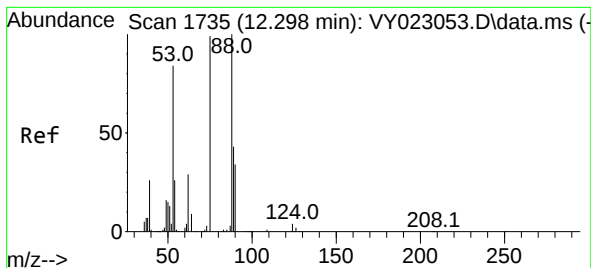
Tgt Ion: 75 Resp: 33354

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#

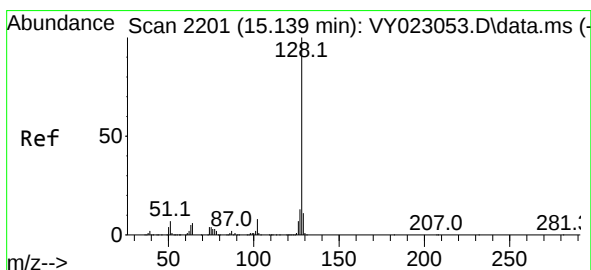
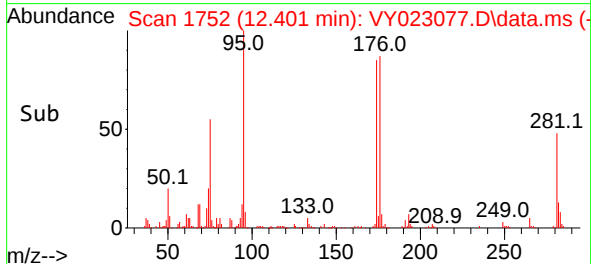
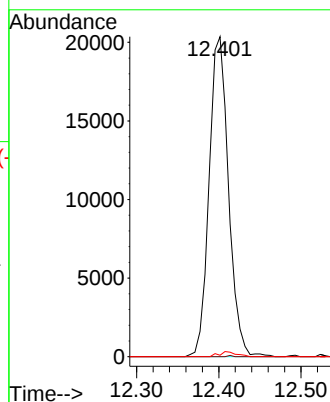
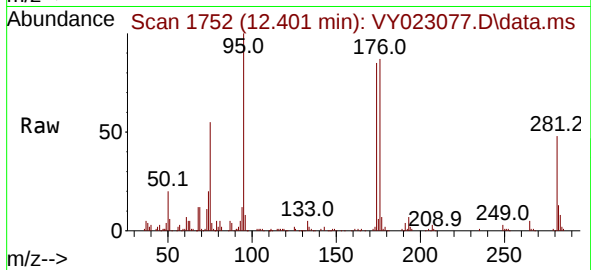




#81
trans-1,4-Dichloro-2-butene
Concen: 149.417 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Instrument :
MSVOA_Y
ClientSampleId :
17M-N

Tgt Ion: 75 Resp: 33354
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 1.4 38.1 57.1#



#95
Naphthalene
Concen: 16.615 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion:128 Resp: 27317
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 10.2 9.0 13.4

