

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023032.D
 Acq On : 21 Jul 2025 17:20
 Operator : SY/MD
 Sample : Q2651-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 7-6

Quant Time: Jul 22 04:54:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

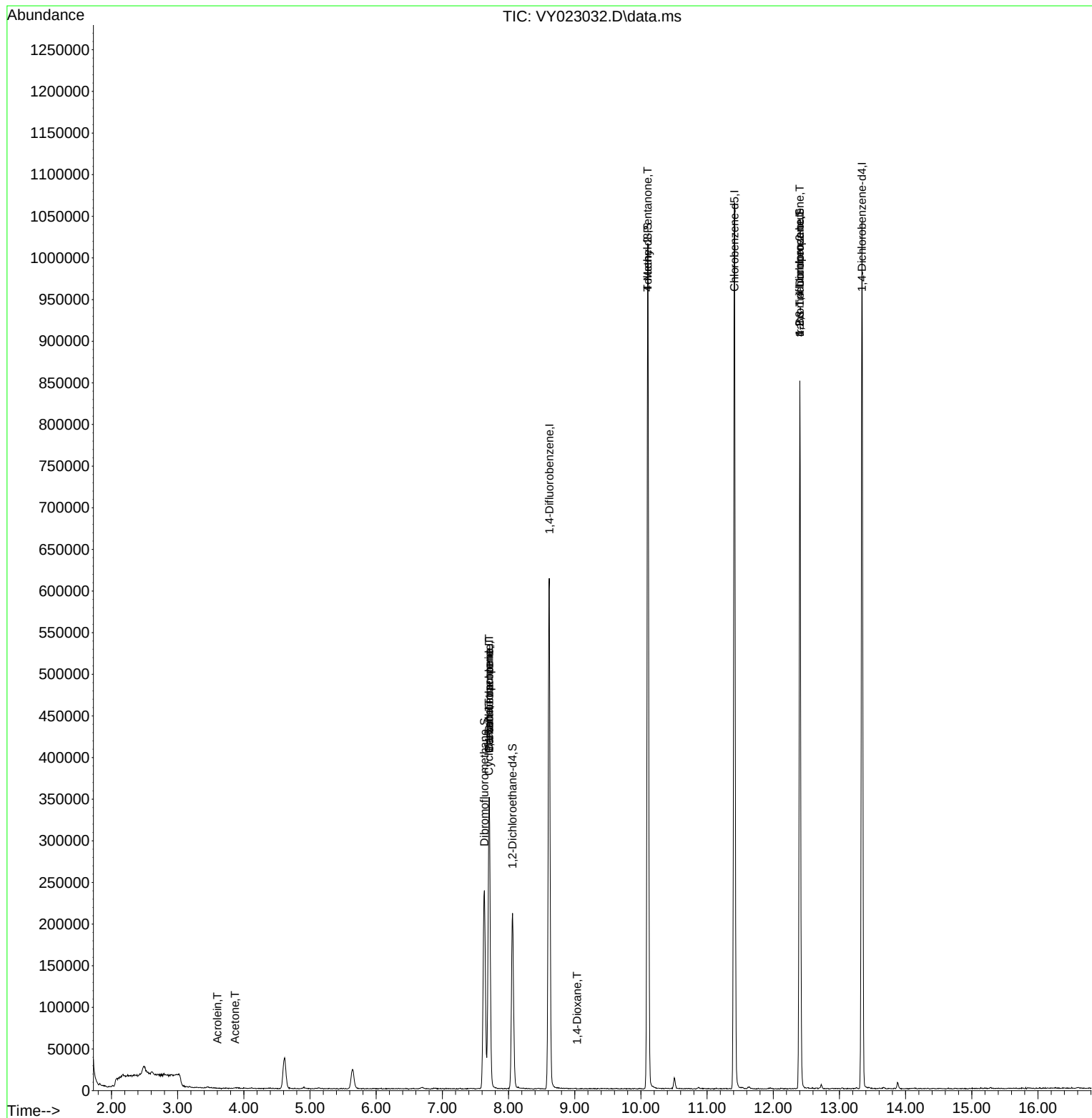
Internal Standards						
1) Pentafluorobenzene	7.707	168	260776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167746	63.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.080%	
35) Dibromofluoromethane	7.634	113	171494	53.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.240%	
50) Toluene-d8	10.103	98	636556	49.718	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	12.402	95	240368	59.640	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.280%	
Target Compounds						
					Qvalue	
13) Acrolein	3.598	56	76	1.013	ug/l #	57
16) Acetone	3.866	43	942	1.969	ug/l #	42
31) Cyclohexane	7.701	56	6386	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22239	4.373	ug/l #	47
38) Carbon Tetrachloride	7.707	117	25926	4.692	ug/l #	19
49) 1,4-Dioxane	9.036	88	25	1.283	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	3160	1.659	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	130693	41.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	130693	124.722	ug/l #	12

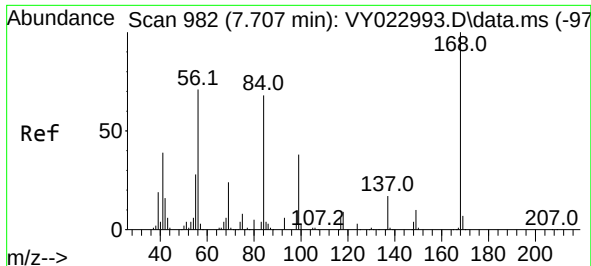
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023032.D
Acq On : 21 Jul 2025 17:20
Operator : SY/MD
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Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
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MH 7-6

Quant Time: Jul 22 04:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

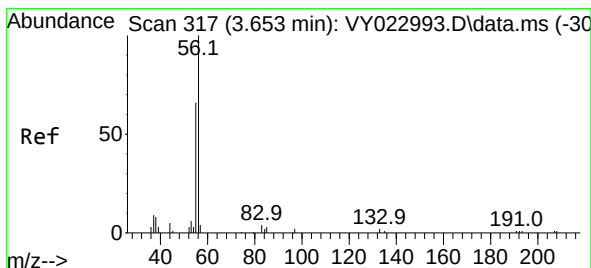
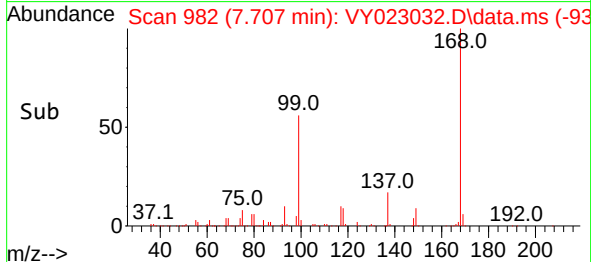
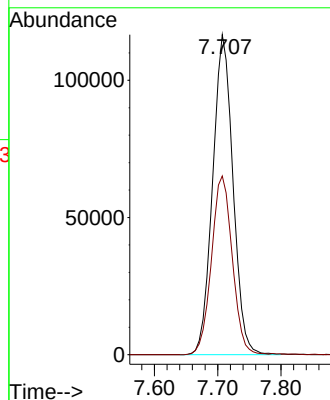
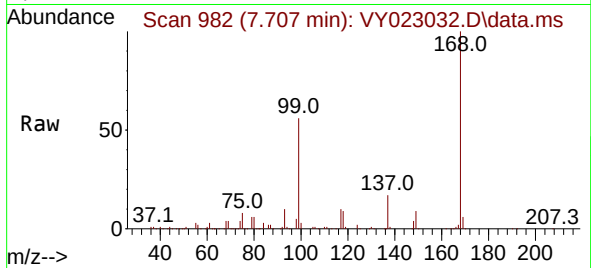




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

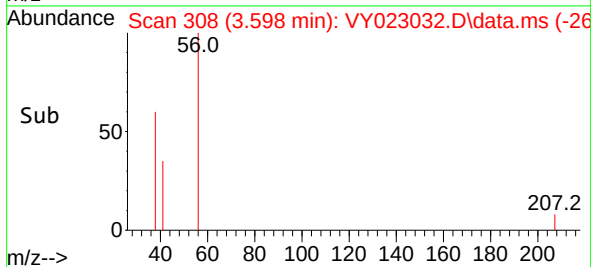
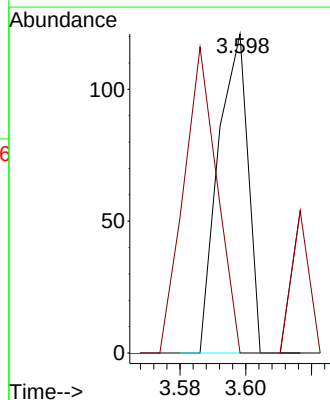
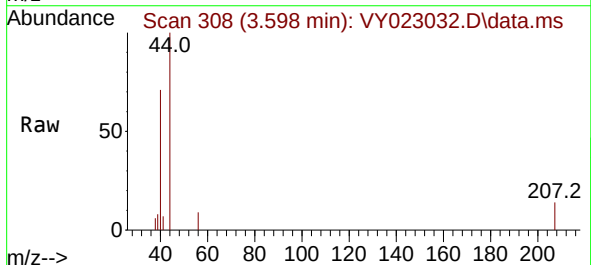
Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

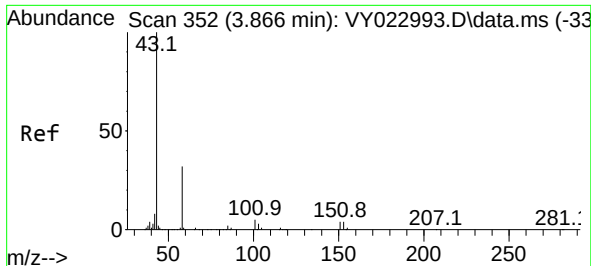
Tgt Ion:168 Resp: 260776
Ion Ratio Lower Upper
168 100
99 55.8 44.4 66.6



#13
Acrolein
Concen: 1.013 ug/l
RT: 3.598 min Scan# 308
Delta R.T. -0.055 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 107.9 57.8 86.6#





#16

Acetone

Concen: 1.969 ug/l

RT: 3.866 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

Instrument :

MSVOA_Y

ClientSampleId :

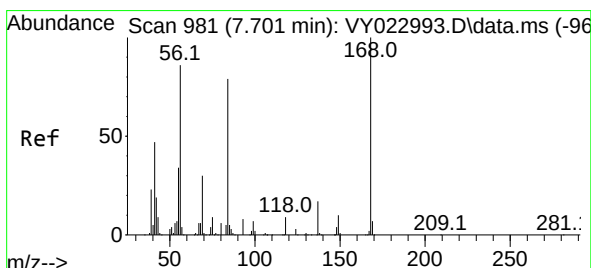
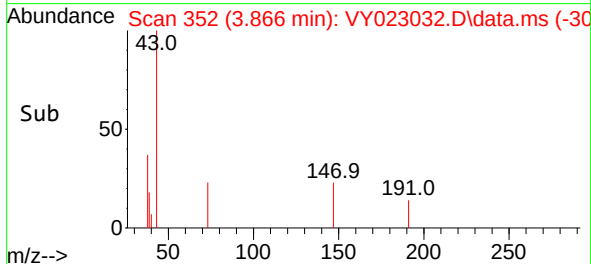
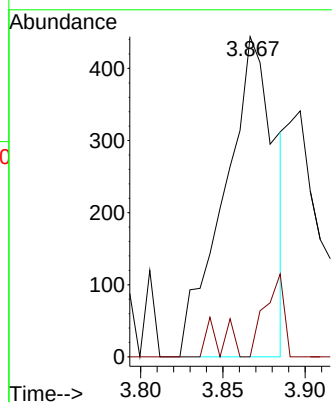
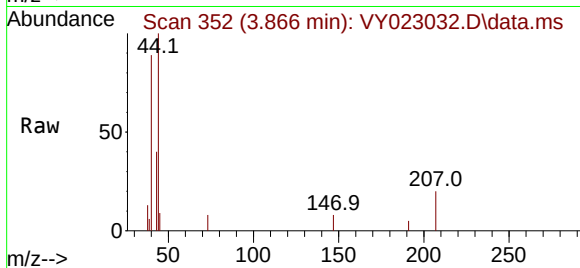
MH 7-6

Tgt Ion: 43 Resp: 942

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.4#



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

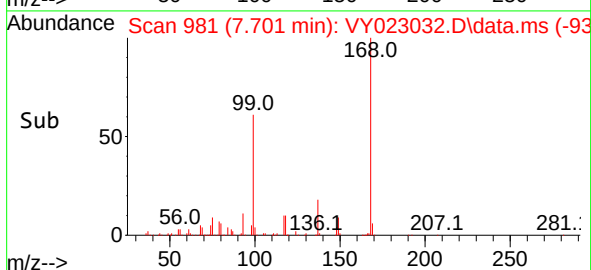
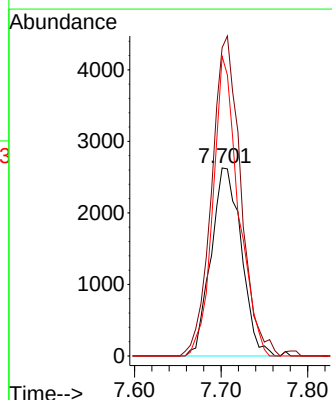
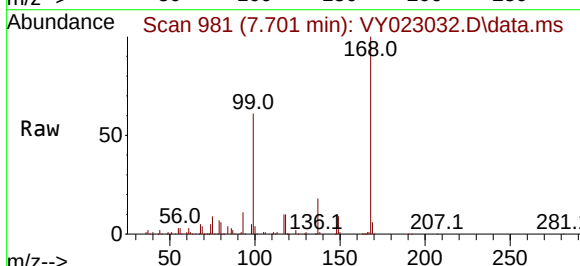
Tgt Ion: 56 Resp: 6386

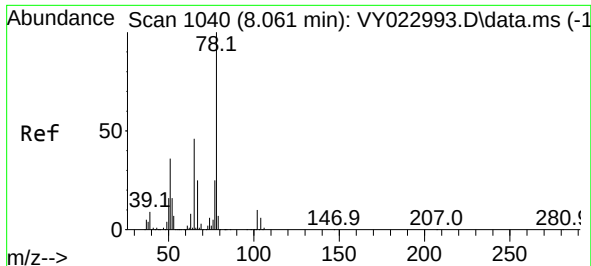
Ion Ratio Lower Upper

56 100

69 163.8 28.1 42.1#

84 159.4 73.5 110.3#





#33

1,2-Dichloroethane-d4

Concen: 63.542 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

Instrument :

MSVOA_Y

ClientSampleId :

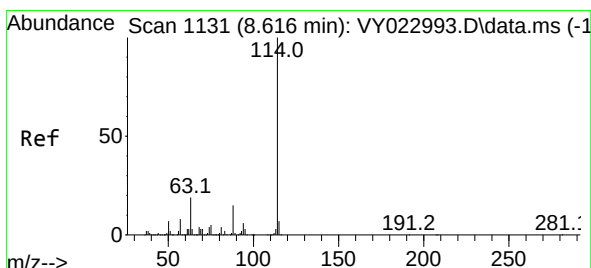
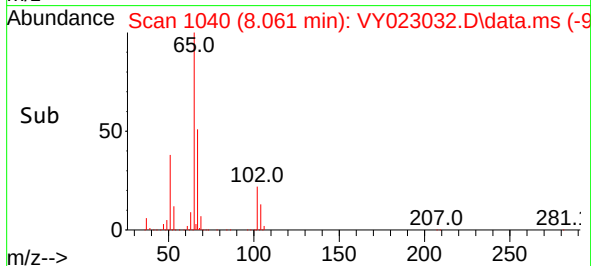
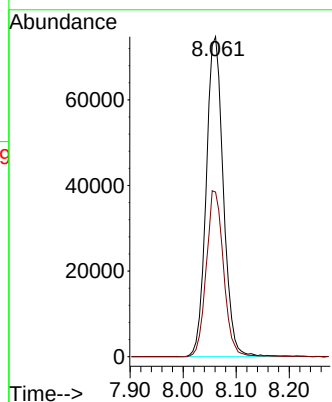
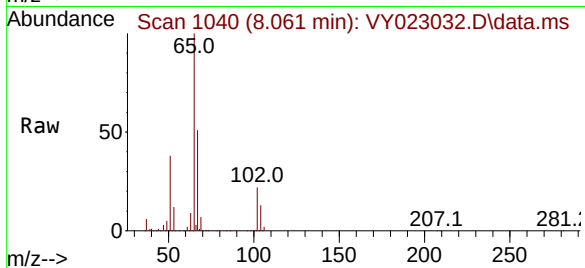
MH 7-6

Tgt Ion: 65 Resp: 167746

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

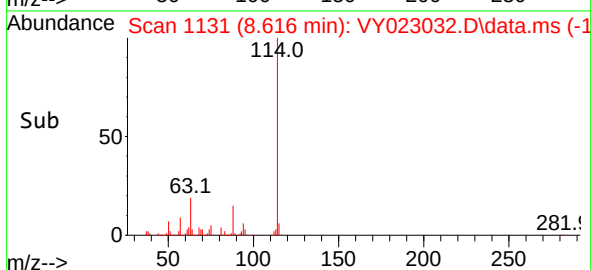
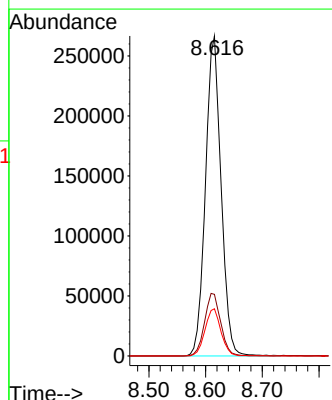
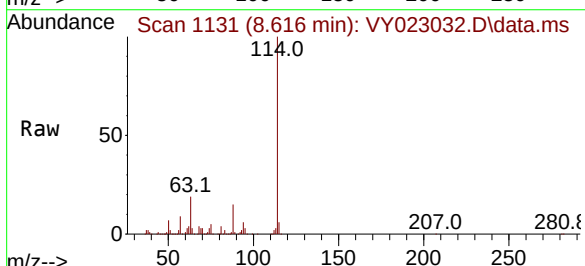
Tgt Ion: 114 Resp: 508972

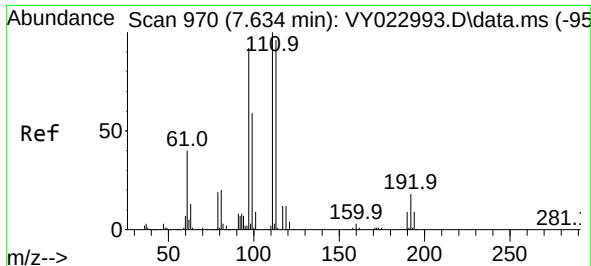
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

88 14.8 0.0 30.2

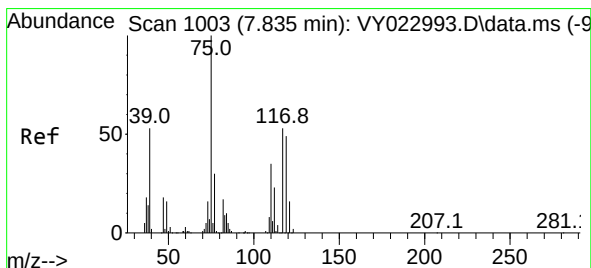
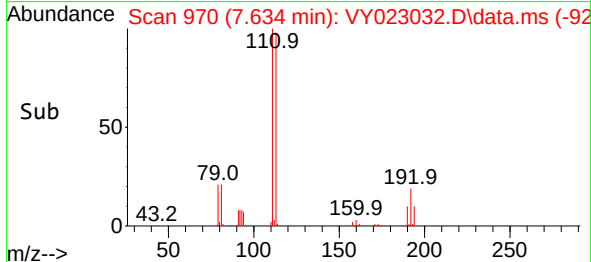
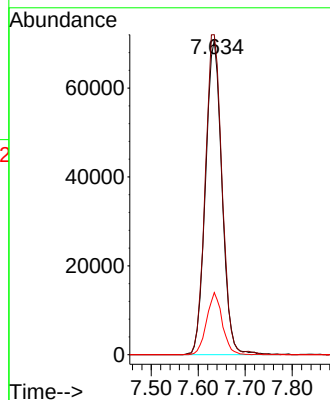
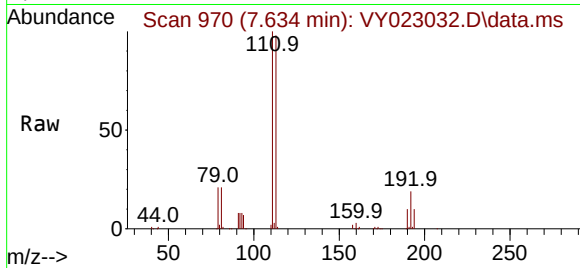




#35
Dibromofluoromethane
Concen: 53.117 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

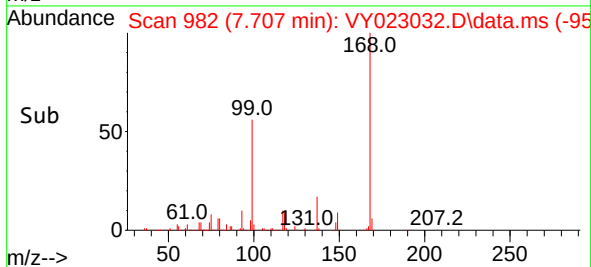
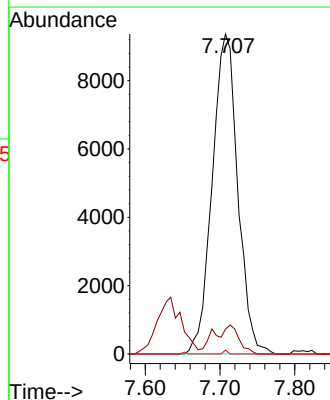
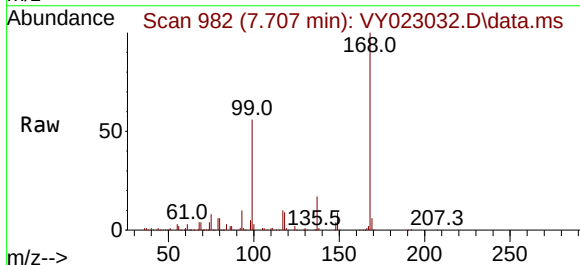
Instrument :
MSVOA_Y
ClientSampleId :
MH 7-6

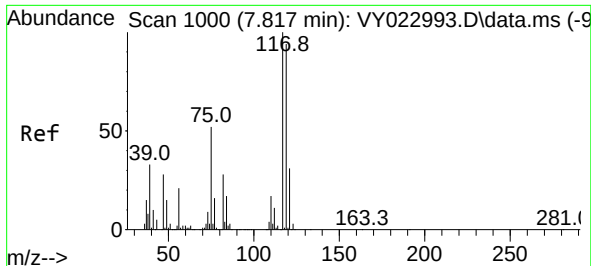
Tgt Ion:113 Resp: 171494
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 18.8 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.373 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 75 Resp: 22239
Ion Ratio Lower Upper
75 100
110 5.2 17.3 51.9#
77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.692 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

Instrument :

MSVOA_Y

ClientSampleId :

MH 7-6

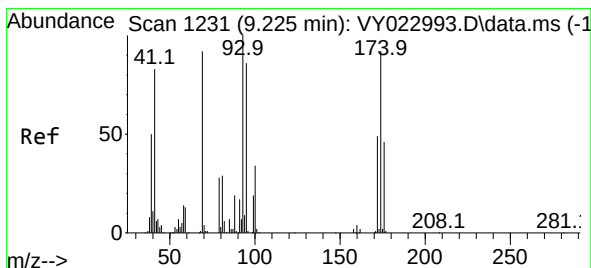
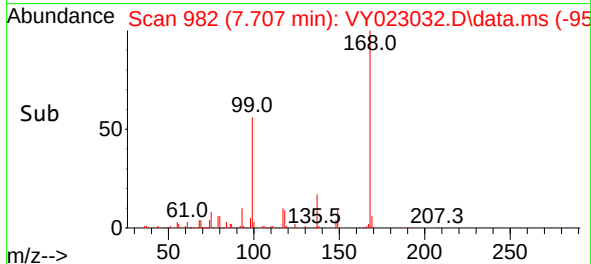
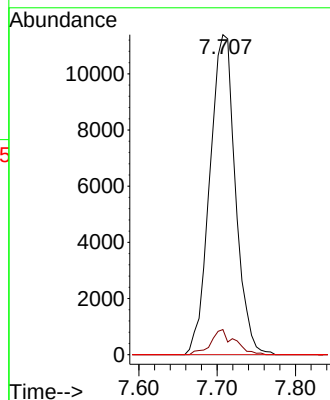
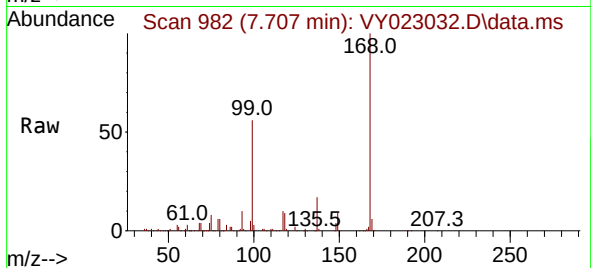
Tgt Ion:117 Resp: 25926

Ion Ratio Lower Upper

117 100

119 7.9 74.9 112.3#

121 0.0 24.6 37.0#



#49

1,4-Dioxane

Concen: 1.283 ug/l

RT: 9.036 min Scan# 1200

Delta R.T. -0.189 min

Lab File: VY023032.D

Acq: 21 Jul 2025 17:20

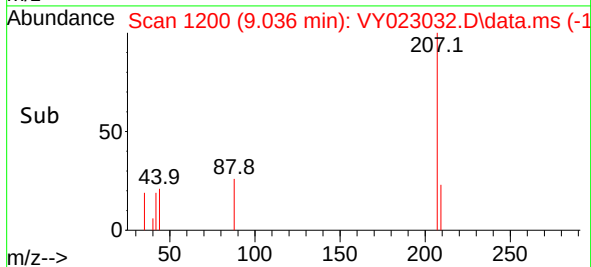
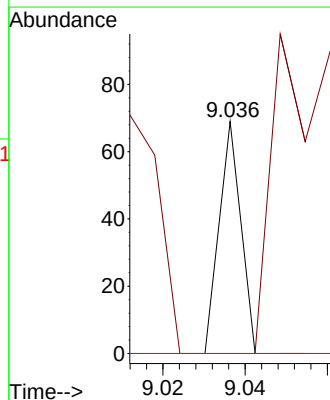
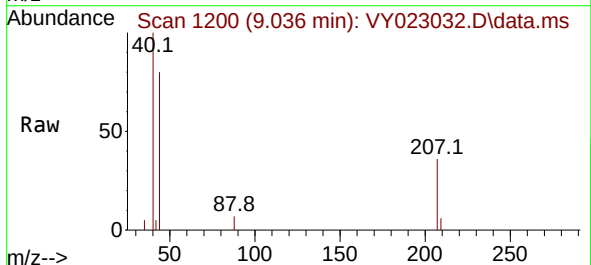
Tgt Ion: 88 Resp: 25

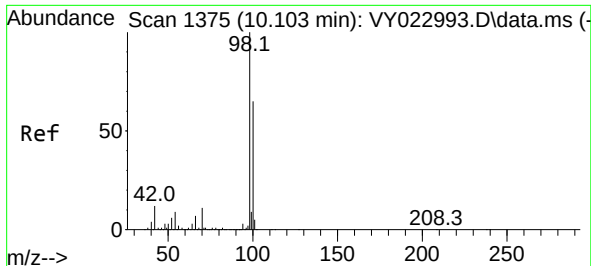
Ion Ratio Lower Upper

88 100

43 364.0 28.7 43.1#

58 0.0 59.8 89.6#

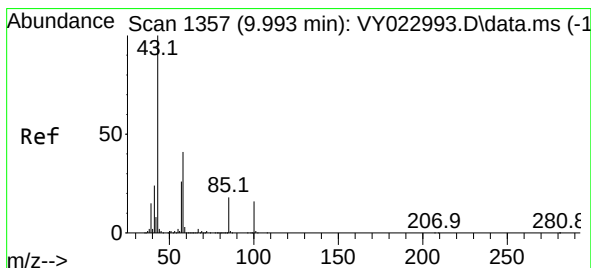
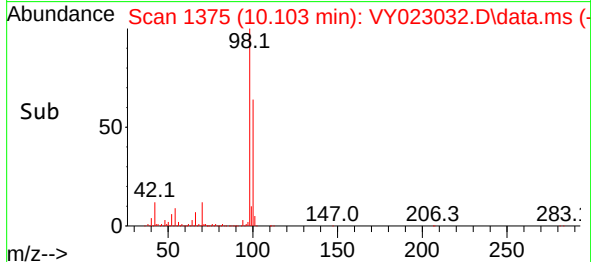
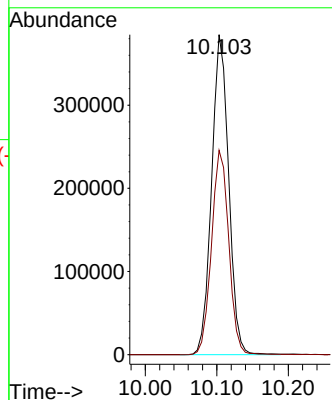
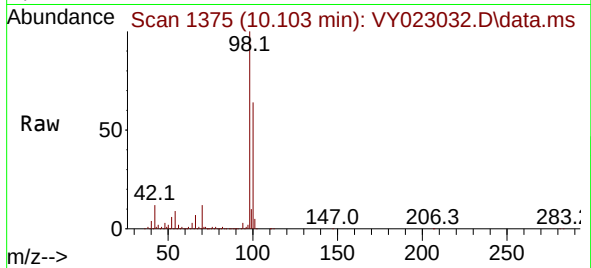




#50
Toluene-d8
Concen: 49.718 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

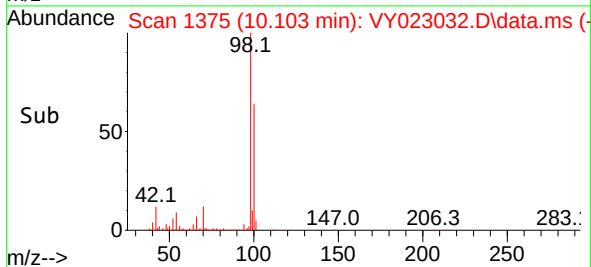
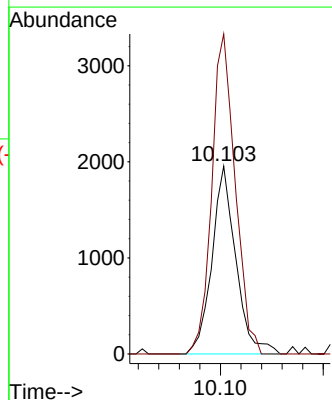
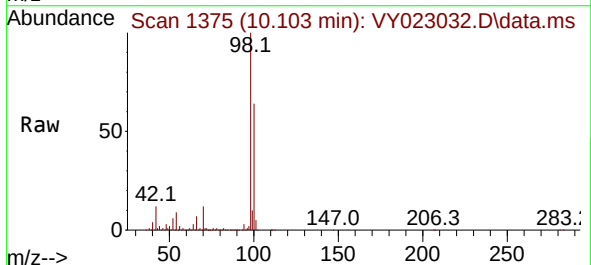
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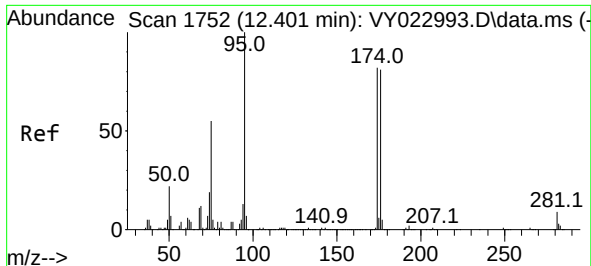
Tgt Ion: 98 Resp: 636556
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.659 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 43 Resp: 3160
Ion Ratio Lower Upper
43 100
58 166.6 32.5 48.7#

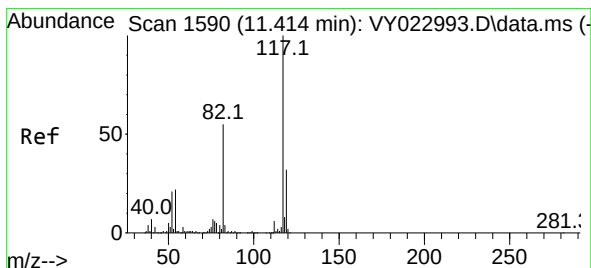
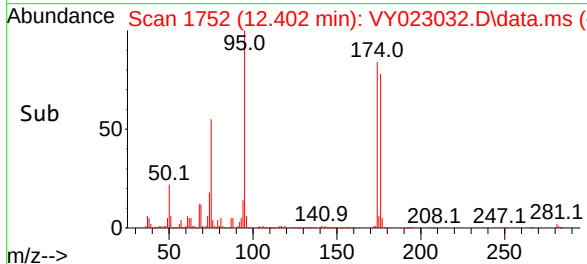
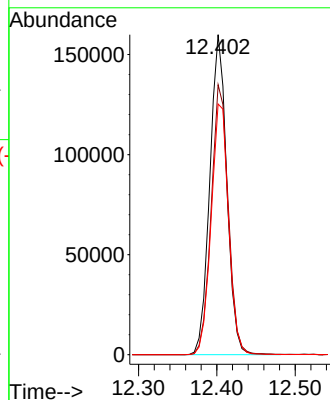
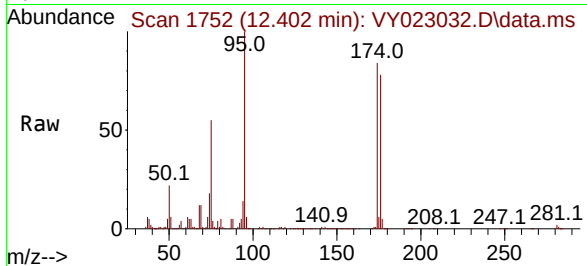




#62
4-Bromofluorobenzene
Concen: 59.640 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

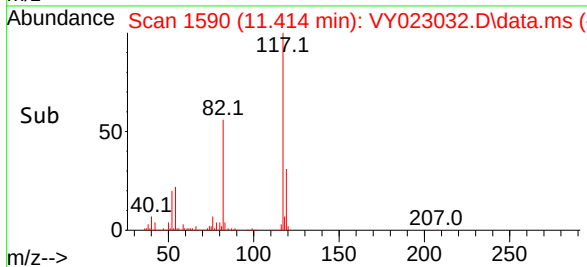
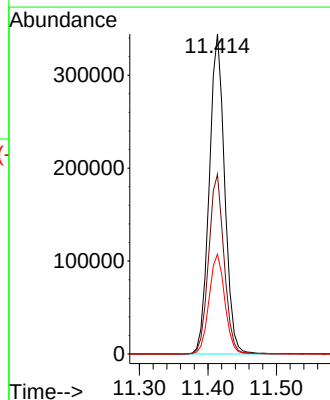
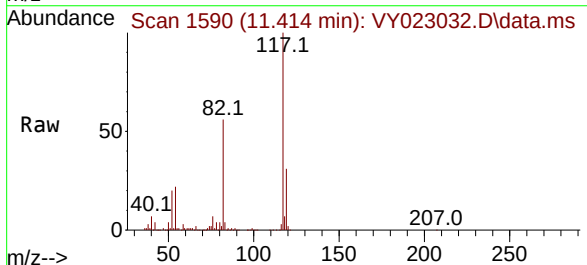
Instrument :
MSVOA_Y
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MH 7-6

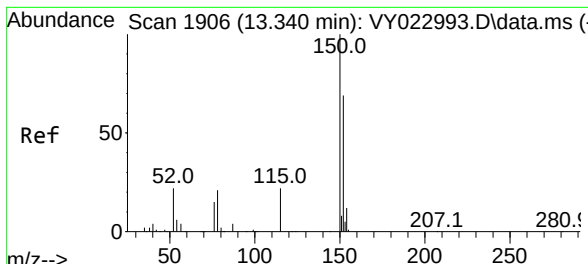
Tgt Ion: 95 Resp: 240368
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 80.6 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023032.D
Acq: 21 Jul 2025 17:20

Tgt Ion: 117 Resp: 539054
Ion Ratio Lower Upper
117 100
82 56.2 44.3 66.5
119 31.2 25.8 38.8

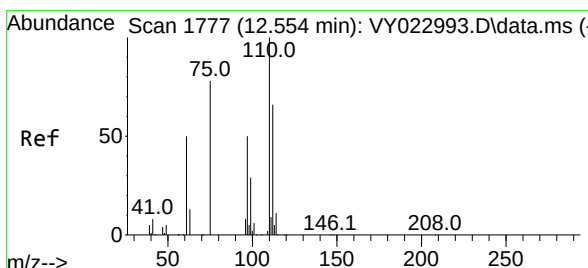
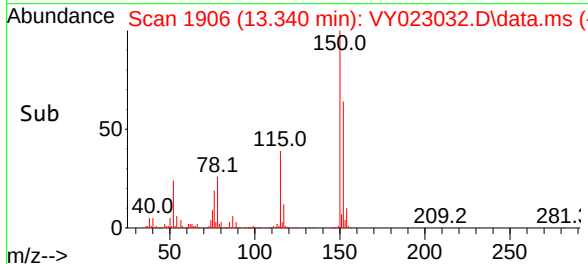
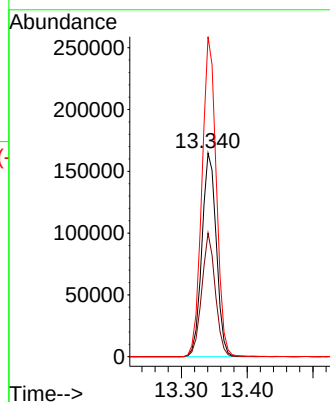
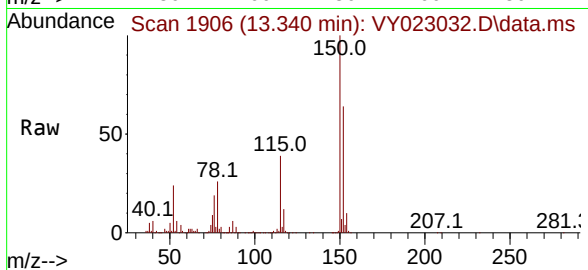




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023032.D
 Acq: 21 Jul 2025 17:20

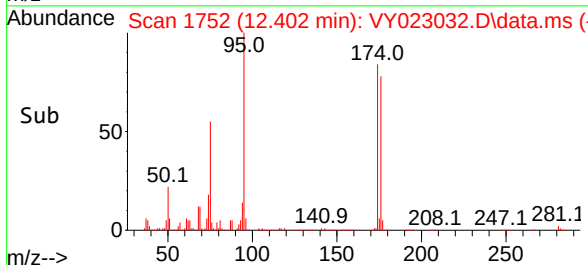
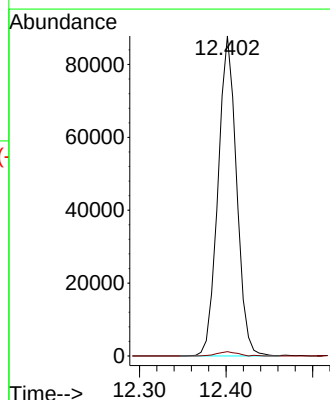
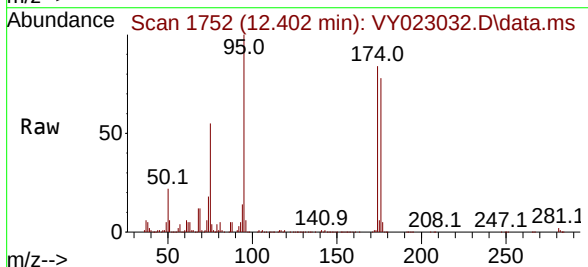
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 7-6

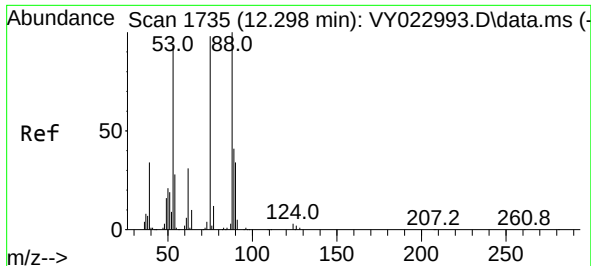
Tgt Ion:152 Resp: 250469
 Ion Ratio Lower Upper
 152 100
 115 57.3 29.4 88.2
 150 156.6 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 41.875 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023032.D
 Acq: 21 Jul 2025 17:20

Tgt Ion: 75 Resp: 130693
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.722 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023032.D
 Acq: 21 Jul 2025 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH 7-6

Tgt Ion: 75 Resp: 130693
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.1 54.1#

