

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023227.D
 Acq On : 28 Aug 2025 15:28
 Operator : SY/MD
 Sample : Q2960-01
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-08262025

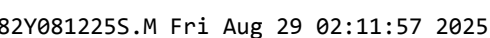
Quant Time: Aug 29 02:11:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	553150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1076305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	994185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	416712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	317627	60.249	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.500%	
35) Dibromofluoromethane	7.634	113	351662	54.604	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.200%	
50) Toluene-d8	10.109	98	1300301	51.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.401	95	397468	49.123	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.240%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1233	1.080	ug/l #	69
31) Cyclohexane	7.707	56	10528	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	39854	4.164	ug/l #	49
38) Carbon Tetrachloride	7.713	117	53246	5.122	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	4944	1.179	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	199234	49.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	199234	119.919	ug/l #	14

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

Quant Time: Aug 29 02:11:46 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

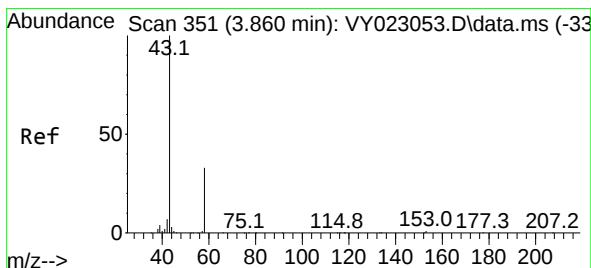
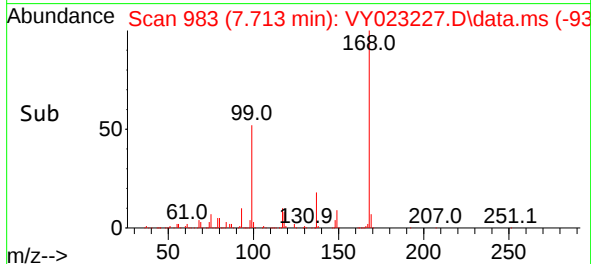
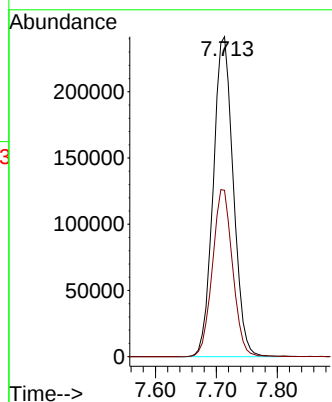
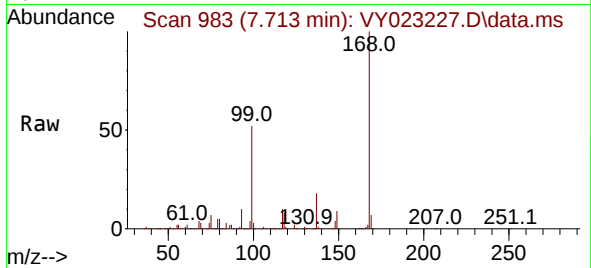




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

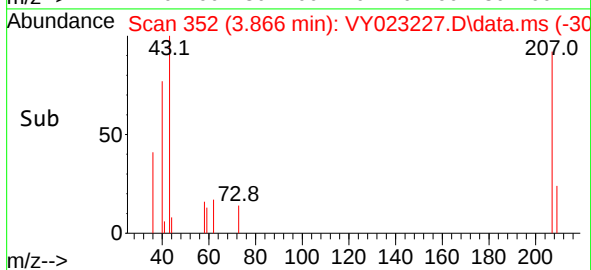
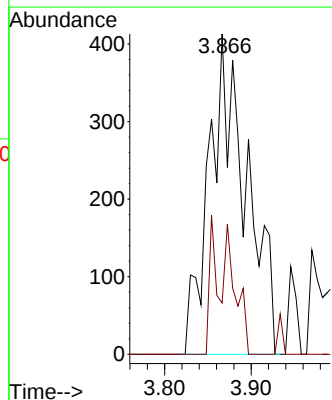
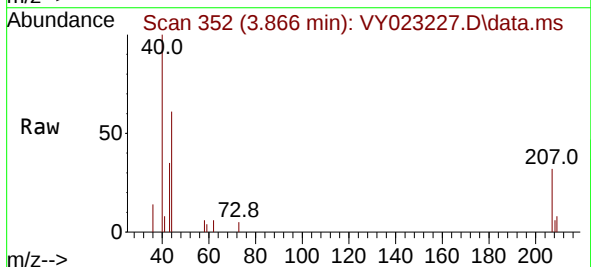
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MSVOA_Y
ClientSampleId :
SU-03-08262025

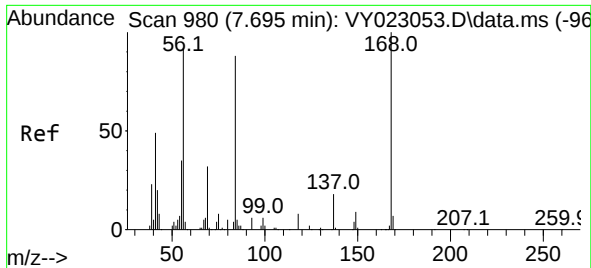
Tgt Ion:168 Resp: 553150
Ion Ratio Lower Upper
168 100
99 52.0 42.8 64.2



#16
Acetone
Concen: 1.080 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
58 16.0 27.1 40.7#

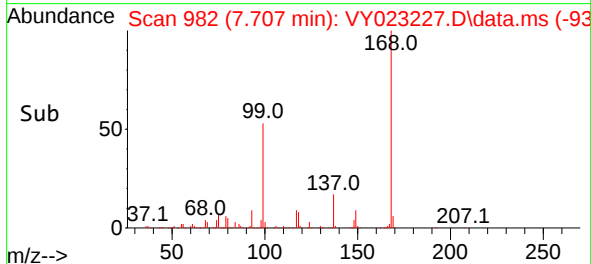
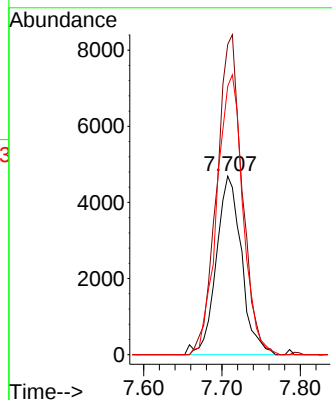
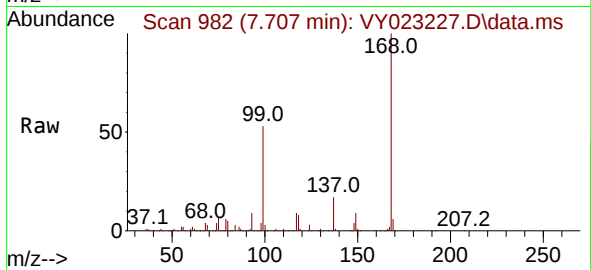




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

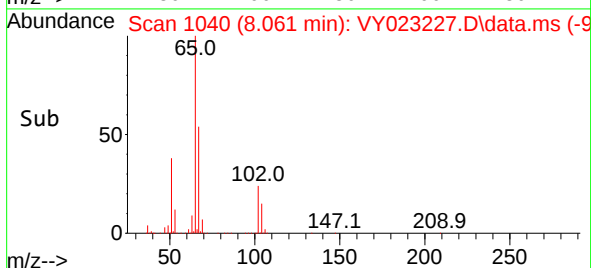
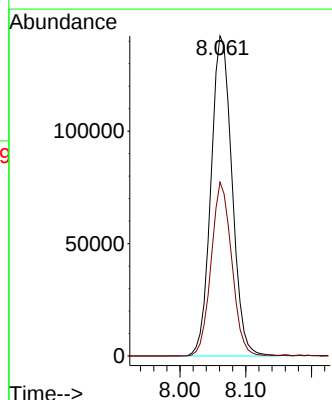
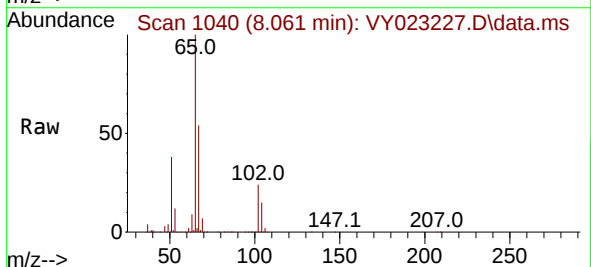
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ClientSampleId :
SU-03-08262025

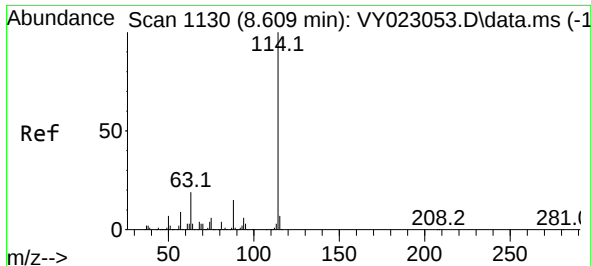
Tgt Ion: 56 Resp: 10528
Ion Ratio Lower Upper
56 100
69 173.7 28.2 42.2#
84 150.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 60.249 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

Tgt Ion: 65 Resp: 317627
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

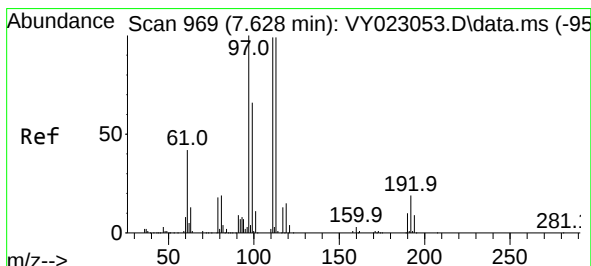
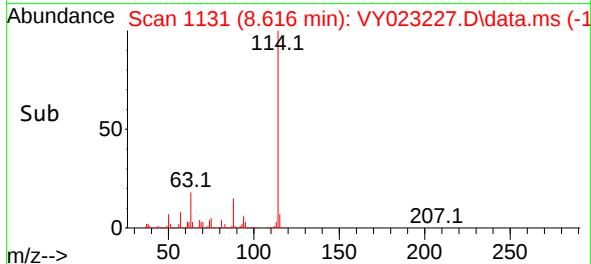
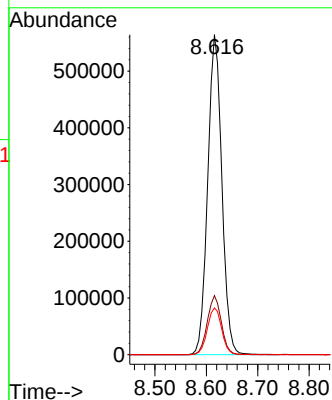
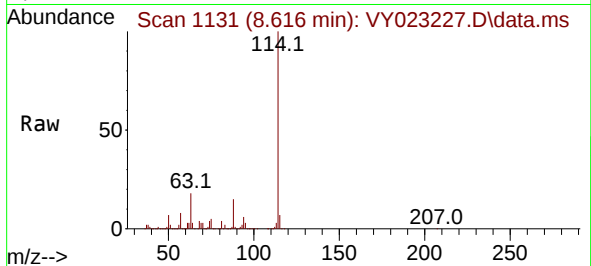




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

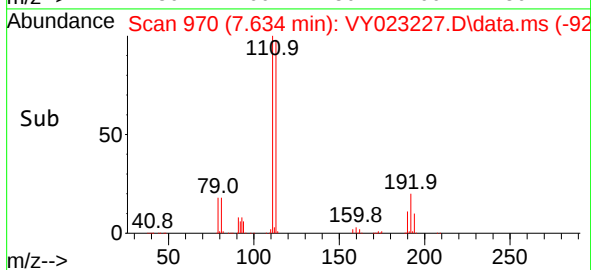
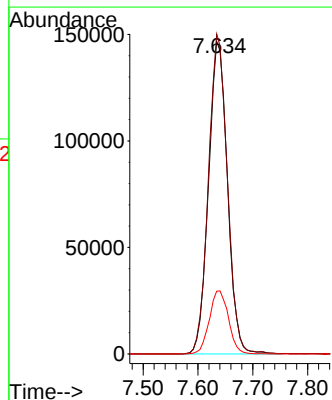
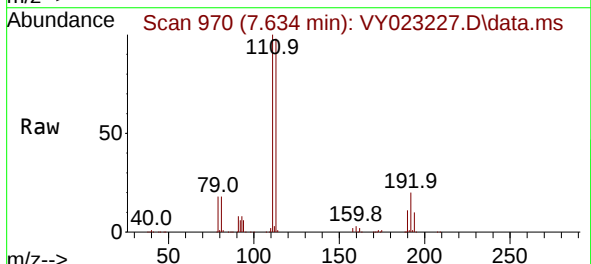
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-08262025

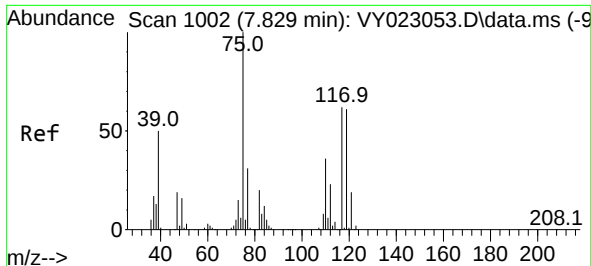
Tgt Ion:114 Resp: 1076305
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.604 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

Tgt Ion:113 Resp: 351662
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 20.4 16.2 24.4

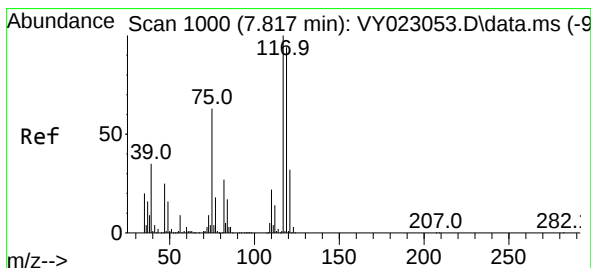
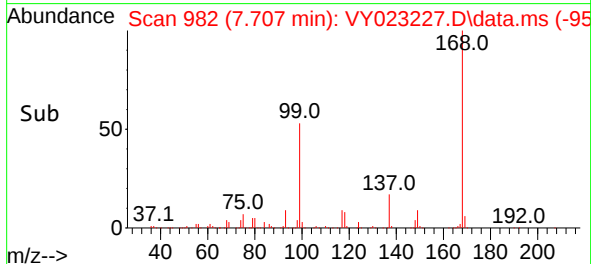
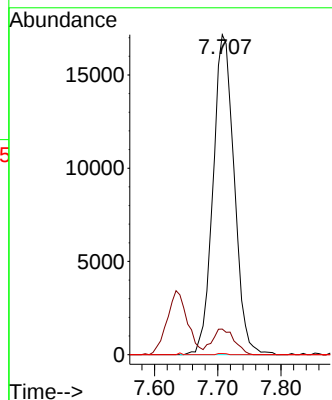
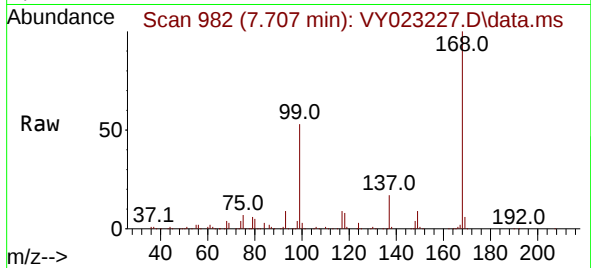




#36
 1,1-Dichloropropene
 Concen: 4.164 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY023227.D
 Acq: 28 Aug 2025 15:28

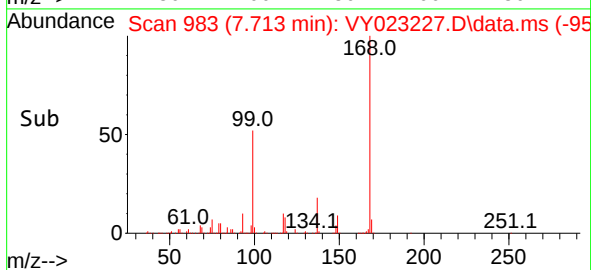
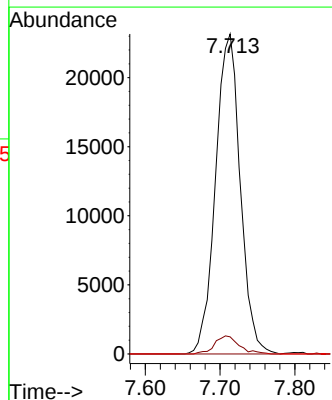
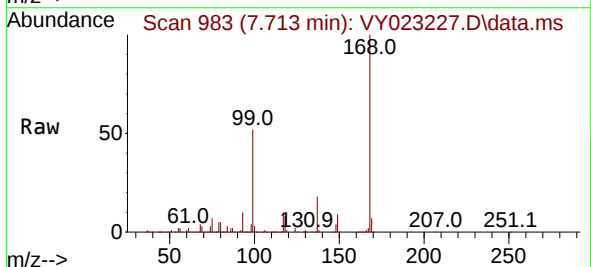
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 SU-03-08262025

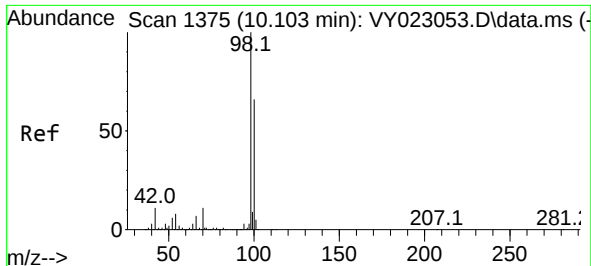
Tgt Ion: 75 Resp: 39854
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.122 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.104 min
 Lab File: VY023227.D
 Acq: 28 Aug 2025 15:28

Tgt Ion: 117 Resp: 53246
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.6 113.4#
 121 0.0 25.8 38.8#

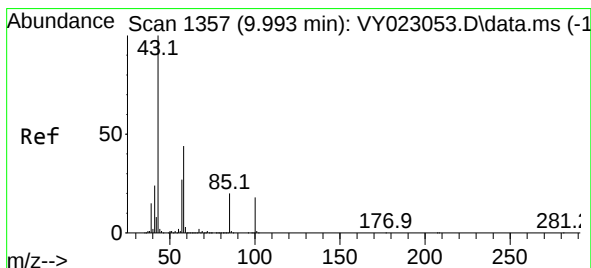
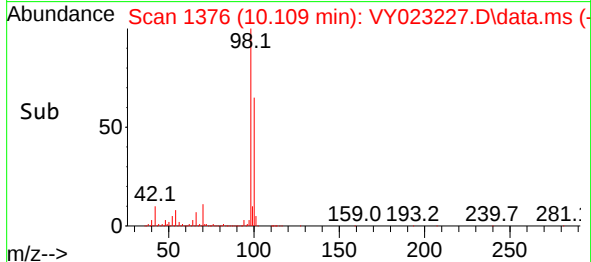
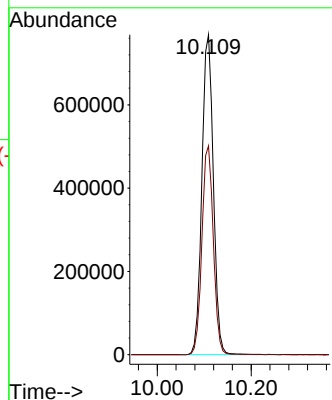
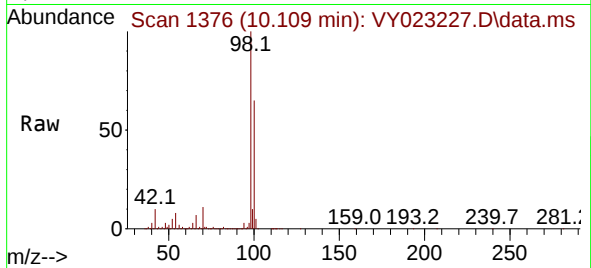




#50
Toluene-d8
Concen: 51.682 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

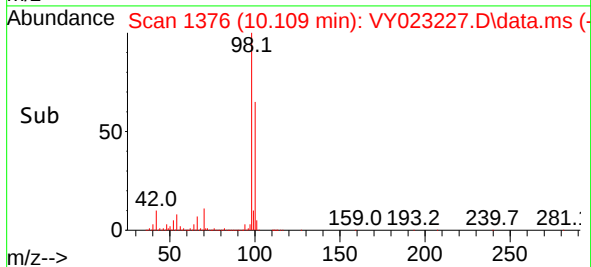
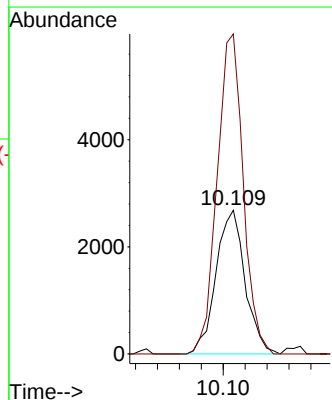
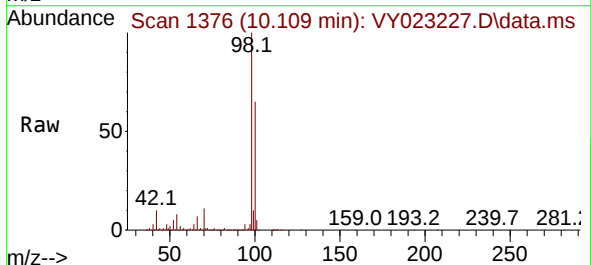
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SU-03-08262025

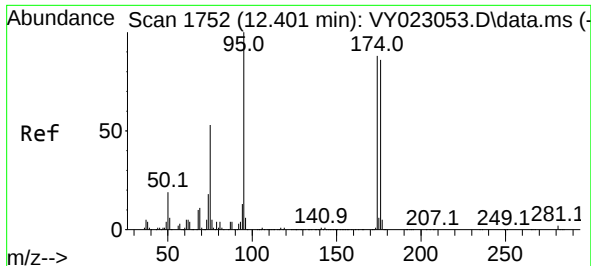
Tgt Ion: 98 Resp: 1300301
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.179 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

Tgt Ion: 43 Resp: 4944
Ion Ratio Lower Upper
43 100
58 200.1 33.5 50.3#

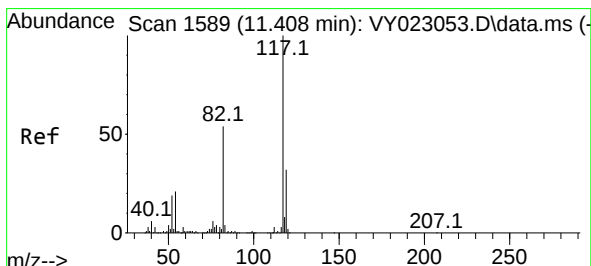
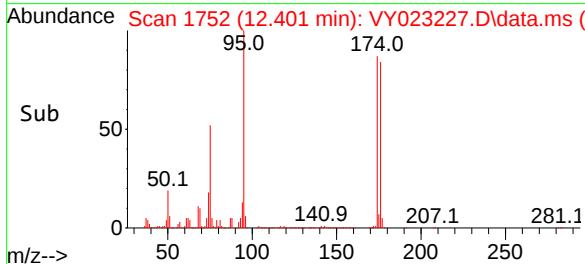
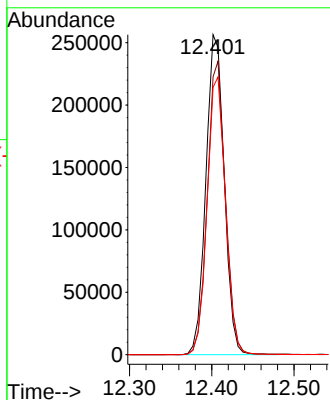
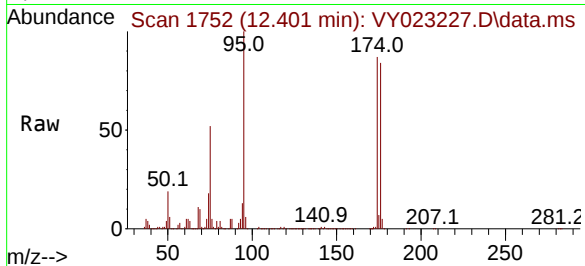




#62
4-Bromofluorobenzene
Concen: 49.123 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

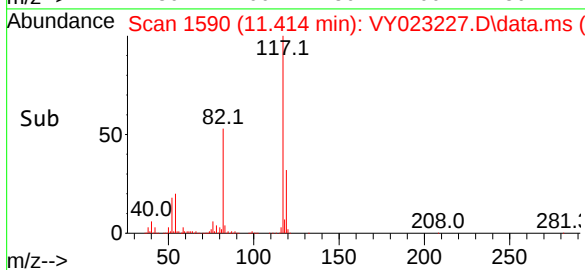
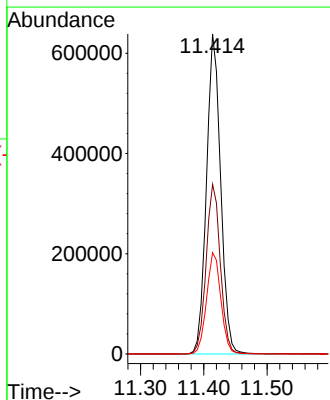
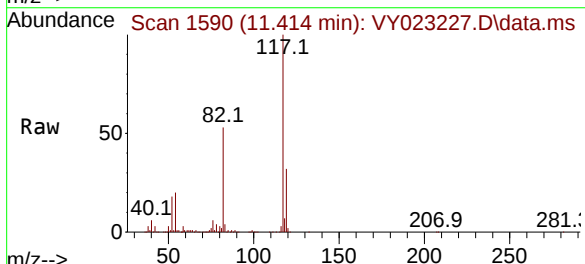
Instrument :
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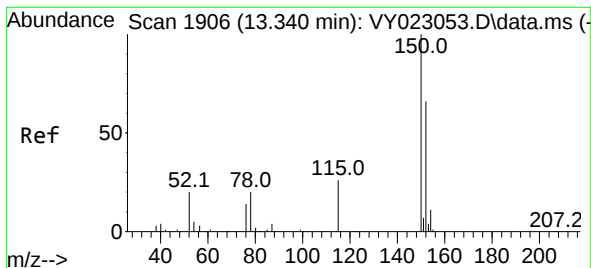
Tgt Ion: 95 Resp: 397468
Ion Ratio Lower Upper
95 100
174 90.2 0.0 171.6
176 86.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023227.D
Acq: 28 Aug 2025 15:28

Tgt Ion: 117 Resp: 994185
Ion Ratio Lower Upper
117 100
82 53.1 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: VY023227.D

Acq: 28 Aug 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-08262025

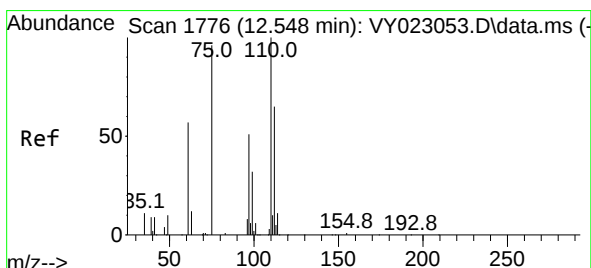
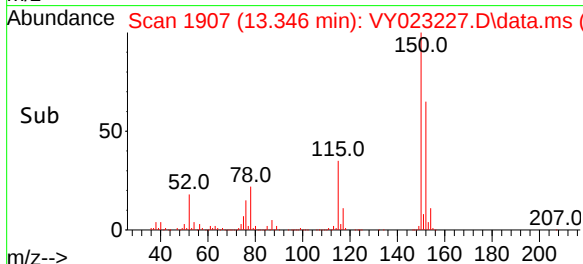
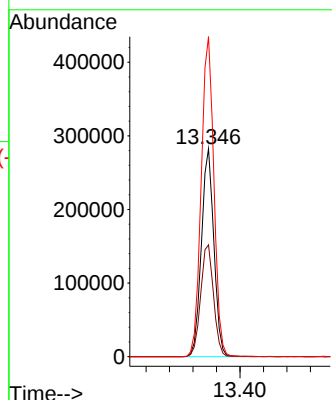
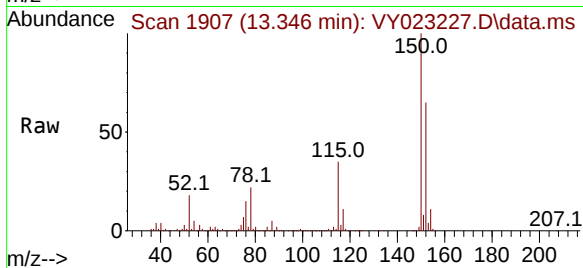
Tgt Ion:152 Resp: 416712

Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.6

150 156.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 49.540 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023227.D

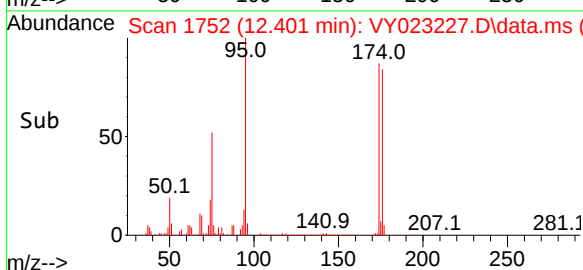
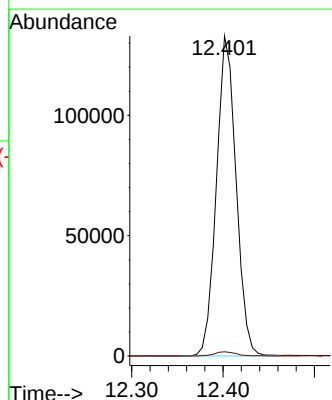
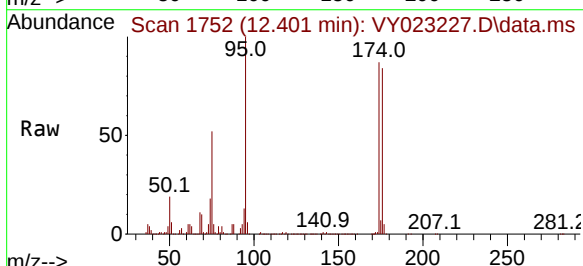
Acq: 28 Aug 2025 15:28

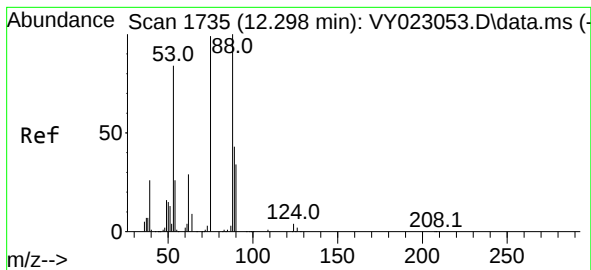
Tgt Ion: 75 Resp: 199234

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.919 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023227.D
 Acq: 28 Aug 2025 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-08262025

Tgt Ion: 75 Resp: 199234
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

