

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023176.D
 Acq On : 20 Aug 2025 15:21
 Operator : SY/MD
 Sample : Q2892-05
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BACK-1-FLOOR-CENTER-MIDDLE-C

Quant Time: Aug 21 01:40:00 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)

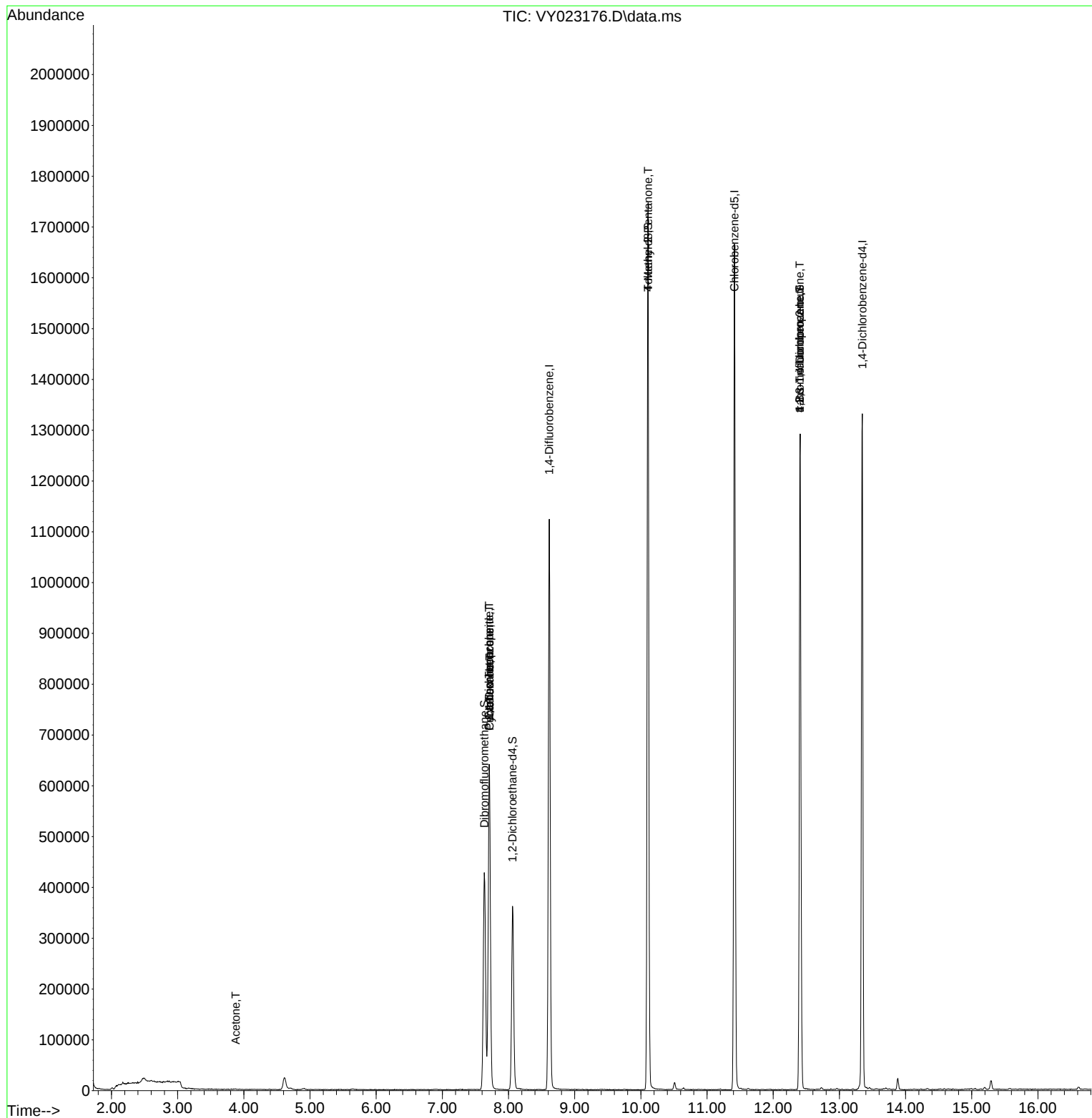
Internal Standards						
1) Pentafluorobenzene	7.713	168	501346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	951773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	866589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	347720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	280123	58.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.260%	
35) Dibromofluoromethane	7.634	113	313131	54.982	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.960%	
50) Toluene-d8	10.109	98	1156251	51.970	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.940%	
62) 4-Bromofluorobenzene	12.402	95	337948	47.232	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.460%	
Target Compounds						Qvalue
16) Acetone	3.879	43	1080	1.043	ug/l #	86
31) Cyclohexane	7.713	56	10475	1.177	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	39650	4.685	ug/l #	48
38) Carbon Tetrachloride	7.707	117	48746	5.303	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	4731	1.276	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	178351	53.146	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	178351	128.650	ug/l #	14

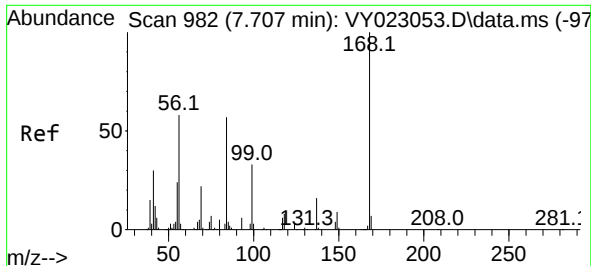
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BACK-1-FLOOR-CENTER-MIDDLE-C

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Response via : Initial Calibration

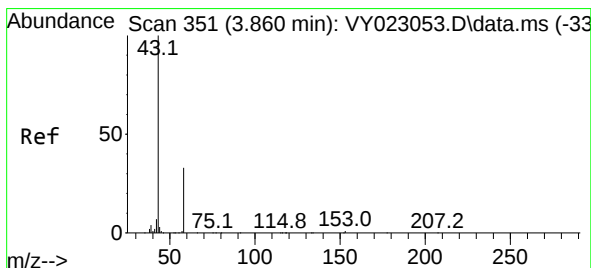
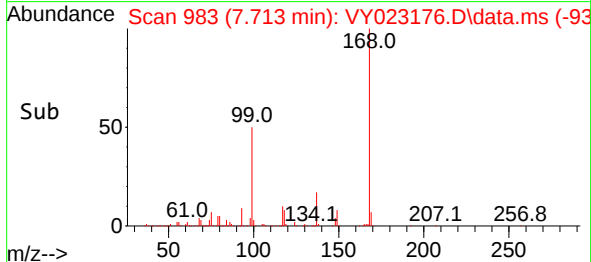
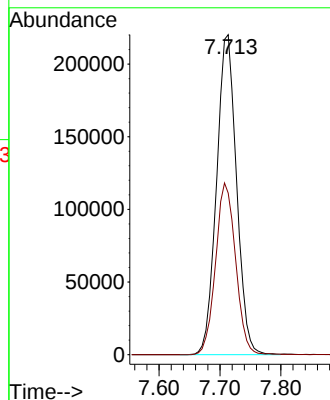
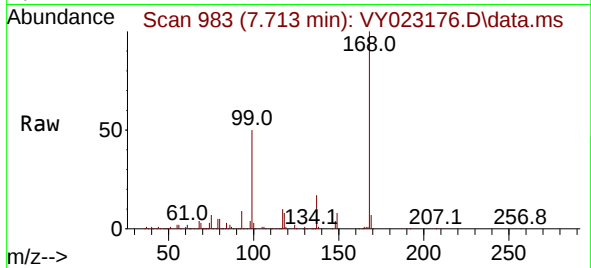




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

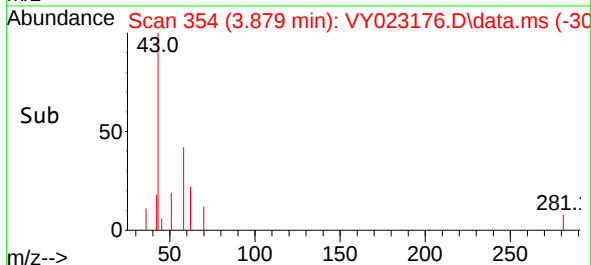
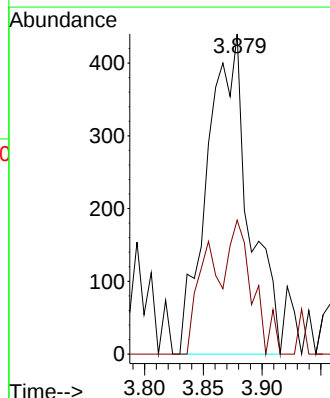
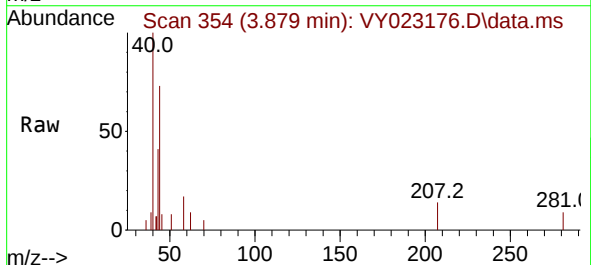
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MSVOA_Y
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

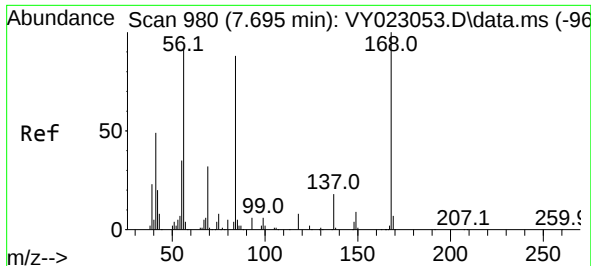
Tgt Ion:168 Resp: 501346
Ion Ratio Lower Upper
168 100
99 50.5 42.8 64.2



#16
Acetone
Concen: 1.043 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
58 41.8 27.1 40.7#

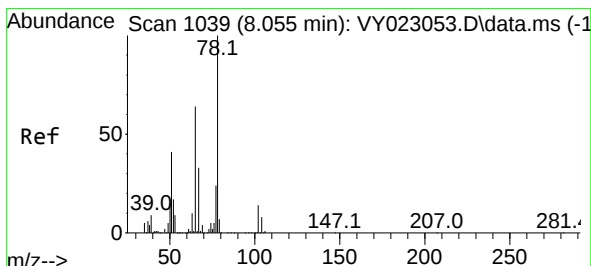
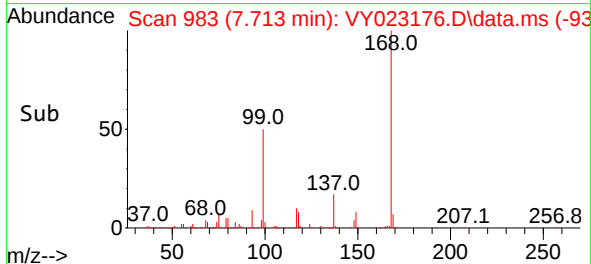
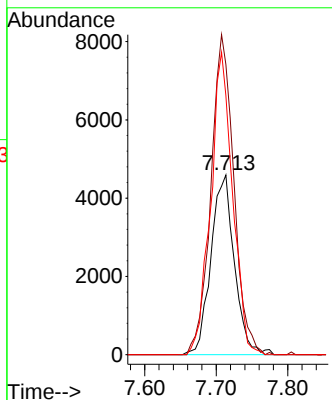
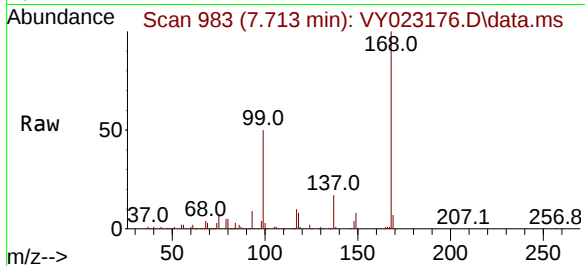




#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

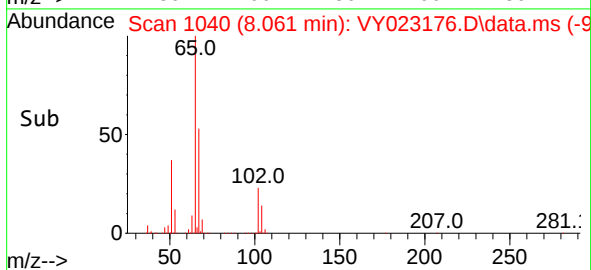
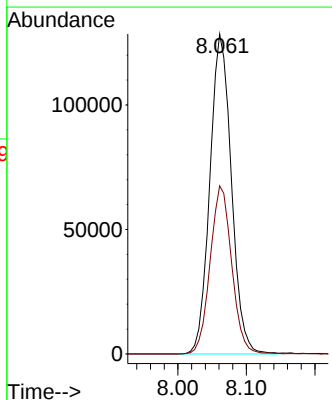
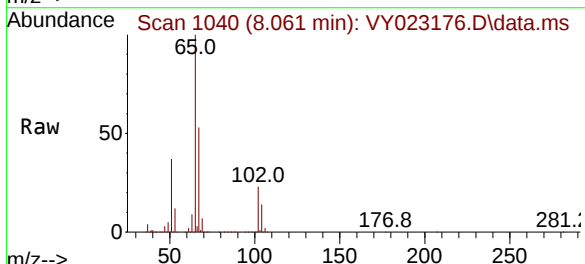
Instrument :
MSVOA_Y
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

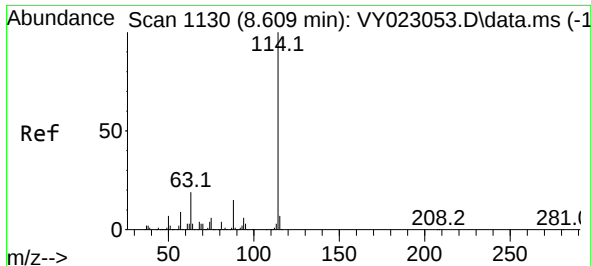
Tgt Ion: 56 Resp: 10475
Ion Ratio Lower Upper
56 100
69 161.5 28.2 42.2#
84 144.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.626 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

Tgt Ion: 65 Resp: 280123
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

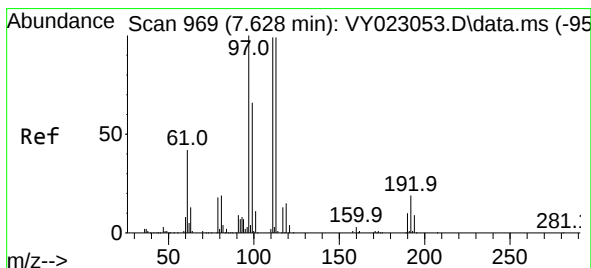
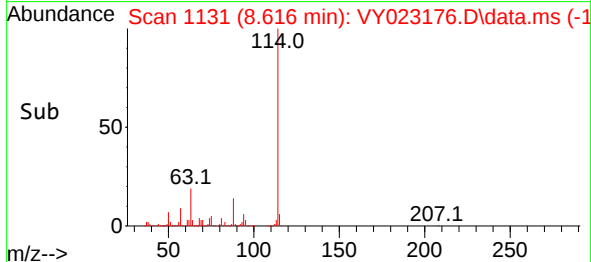
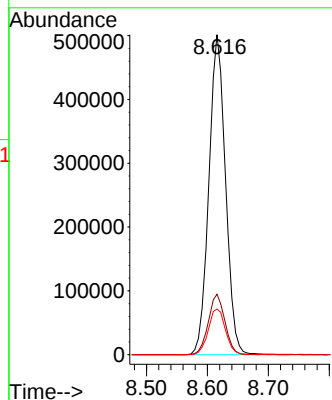
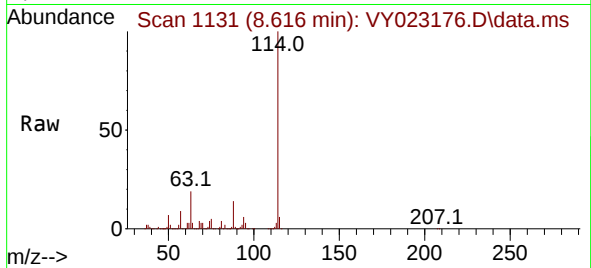




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

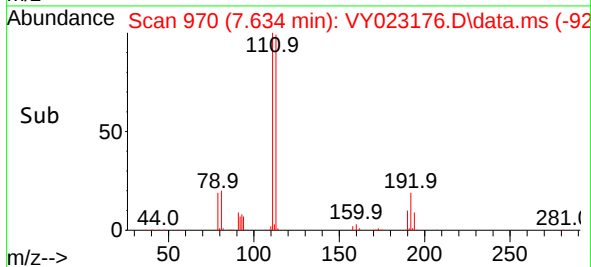
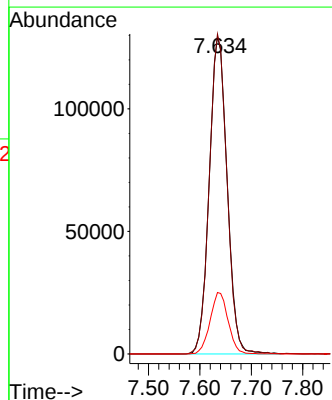
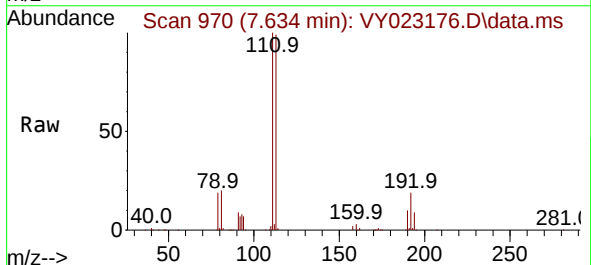
Instrument :
MSVOA_Y
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

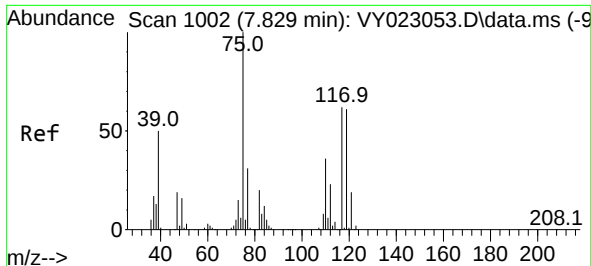
Tgt Ion:114 Resp: 951773
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.4
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.982 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

Tgt Ion:113 Resp: 313131
Ion Ratio Lower Upper
113 100
111 99.5 81.1 121.7
192 19.5 16.2 24.4

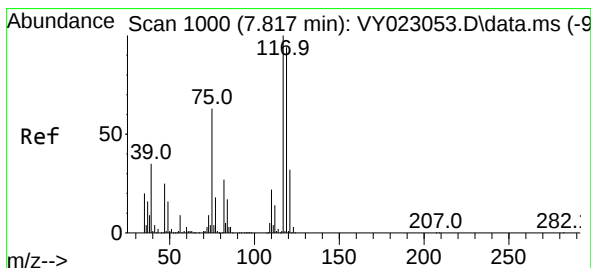
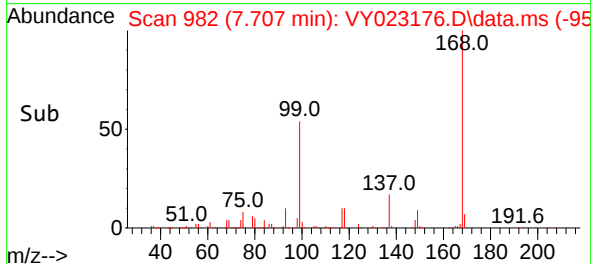
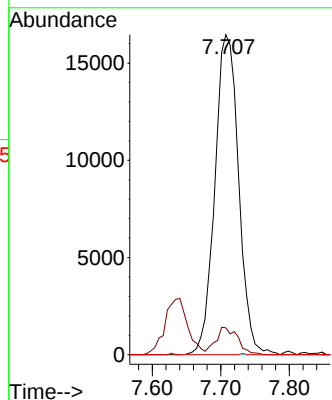
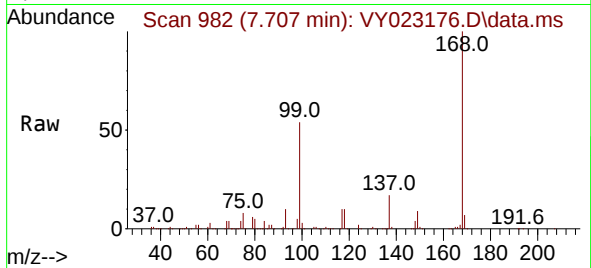




#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

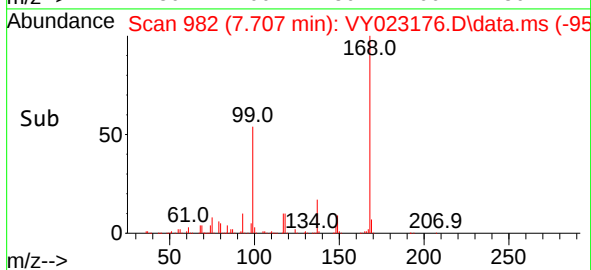
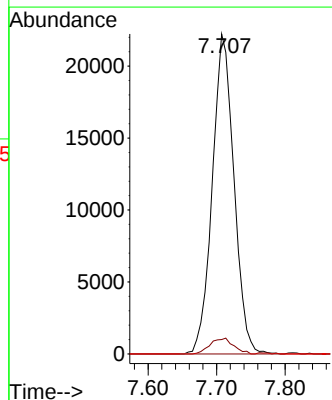
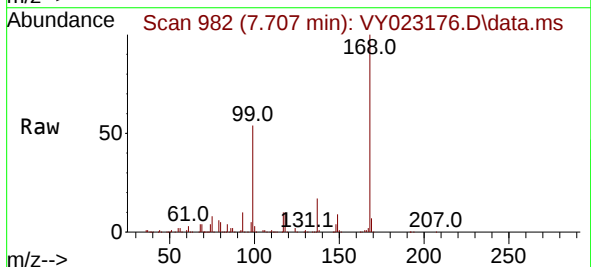
Instrument :
MSVOA_Y
ClientSampleId :
BACK-1-FLOOR-CENTER-MIDDLE-C

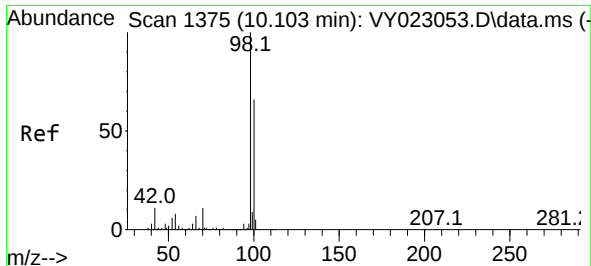
Tgt Ion: 75 Resp: 39650
Ion Ratio Lower Upper
75 100
110 7.9 18.1 54.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

Tgt Ion: 117 Resp: 48746
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 25.8 38.8#

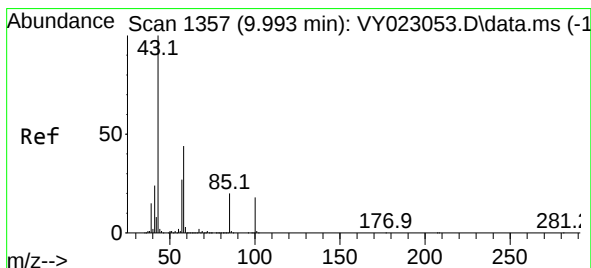
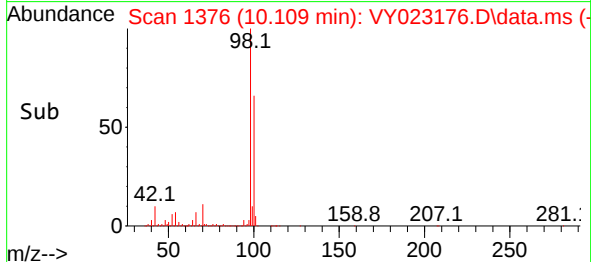
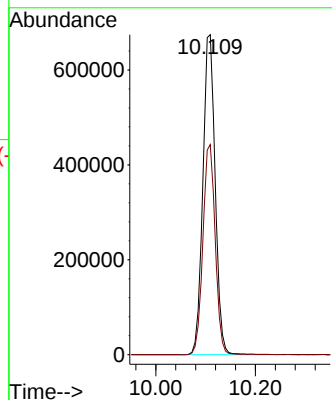
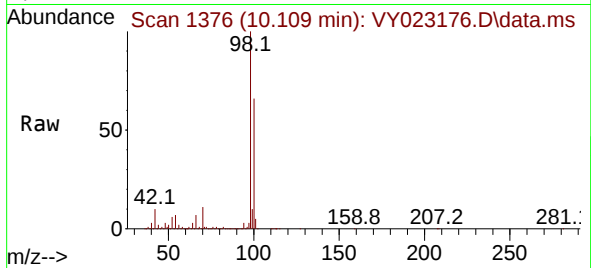




#50
Toluene-d8
Concen: 51.970 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

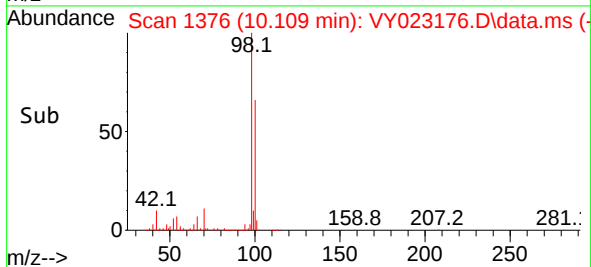
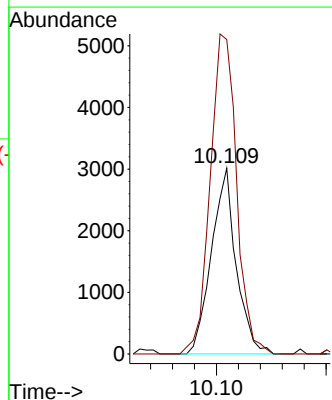
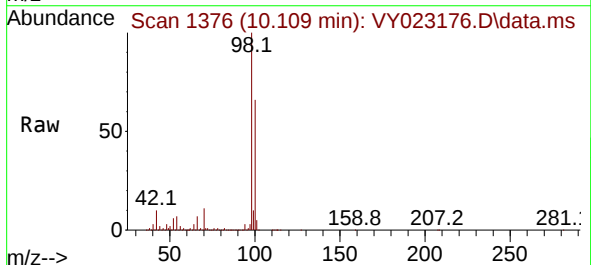
Instrument : MSVOA_Y
ClientSampleId : BACK-1-FLOOR-CENTER-MIDDLE-C

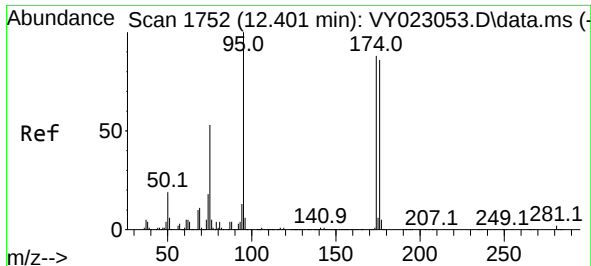
Tgt Ion: 98 Resp: 1156251
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.276 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

Tgt Ion: 43 Resp: 4731
Ion Ratio Lower Upper
43 100
58 183.4 33.5 50.3#

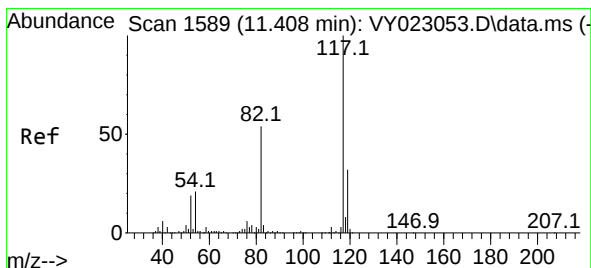
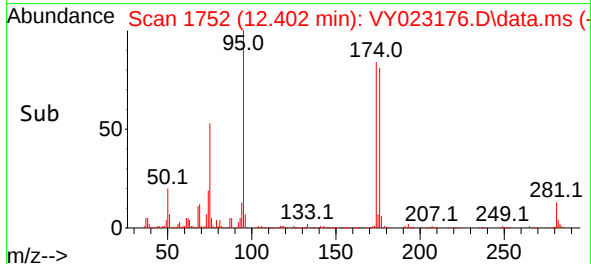
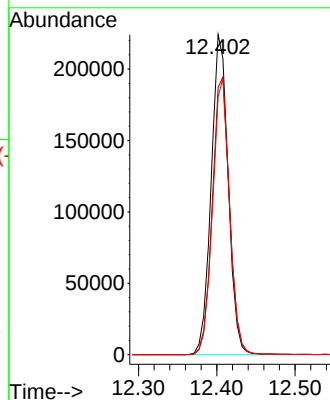
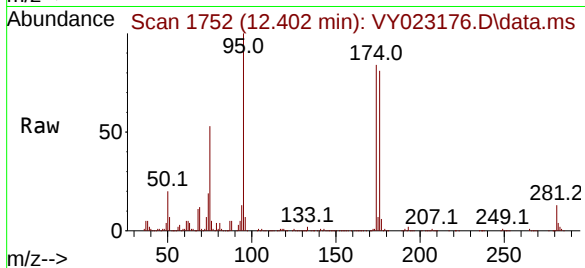




#62
4-Bromofluorobenzene
Concen: 47.232 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

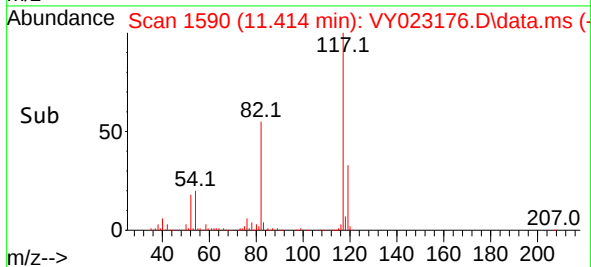
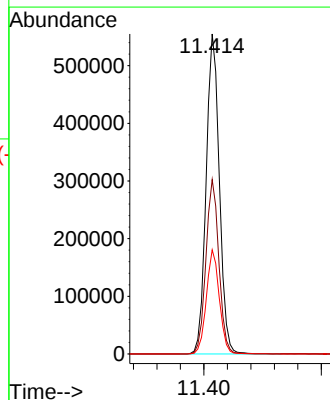
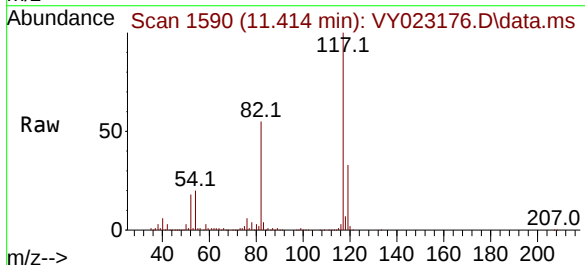
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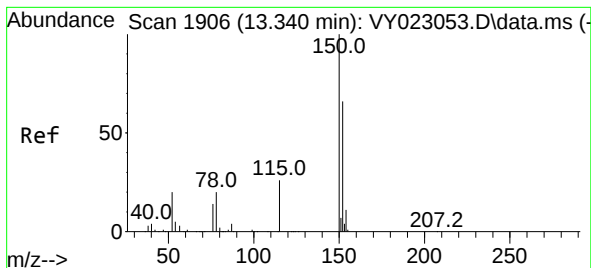
Tgt Ion: 95 Resp: 337948
Ion Ratio Lower Upper
95 100
174 88.4 0.0 171.6
176 85.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023176.D
Acq: 20 Aug 2025 15:21

Tgt Ion: 117 Resp: 866589
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023176.D

Acq: 20 Aug 2025 15:21

Instrument :

MSVOA_Y

ClientSampleId :

BACK-1-FLOOR-CENTER-MIDDLE-C

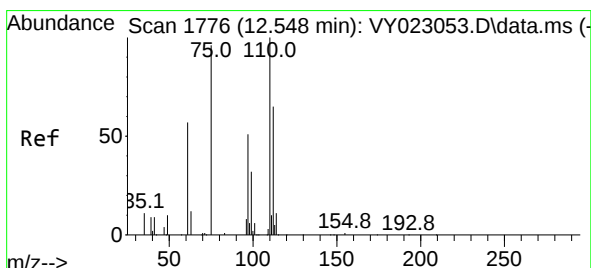
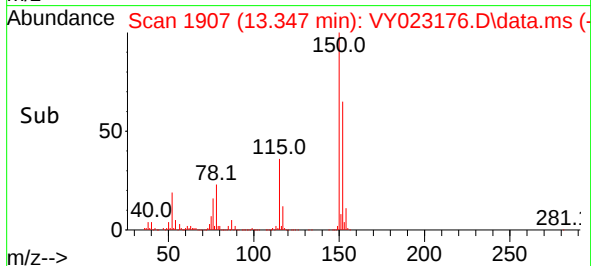
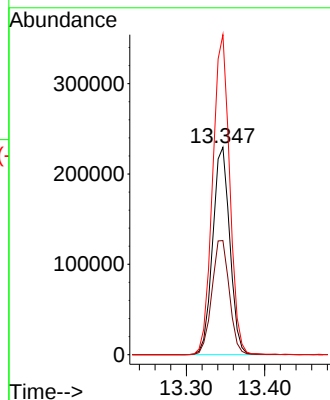
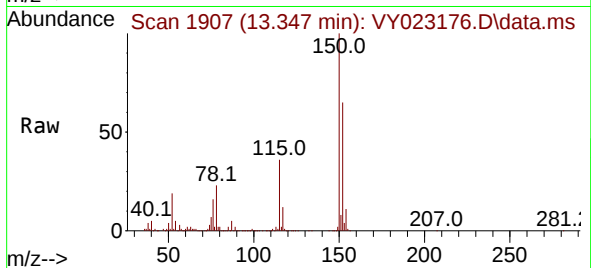
Tgt Ion:152 Resp: 347720

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 153.5 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 53.146 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023176.D

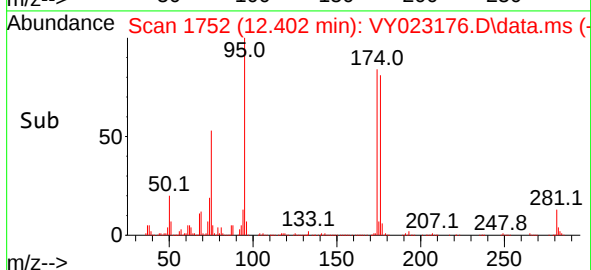
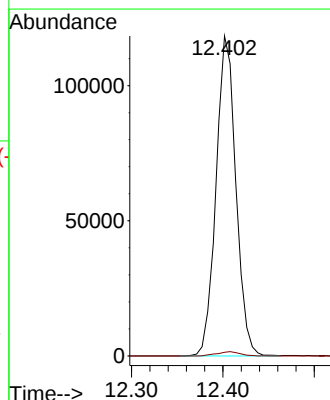
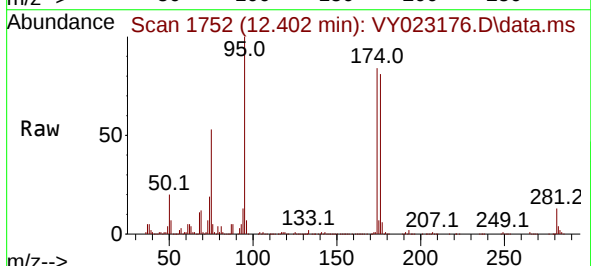
Acq: 20 Aug 2025 15:21

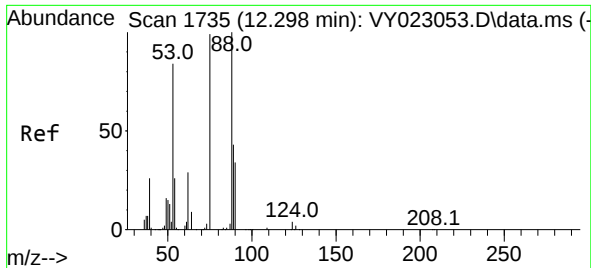
Tgt Ion: 75 Resp: 178351

Ion Ratio Lower Upper

75 100

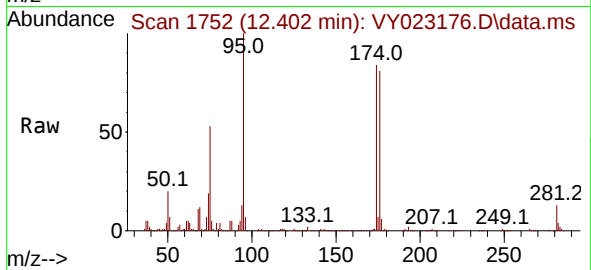
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.650 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023176.D
 Acq: 20 Aug 2025 15:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 BACK-1-FLOOR-CENTER-MIDDLE-C



Tgt Ion: 75 Resp: 178351
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.5 38.1 57.1#

