

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023175.D
 Acq On : 20 Aug 2025 14:58
 Operator : SY/MD
 Sample : Q2892-03
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1-FLOOR-DRILL-B-BACK

Quant Time: Aug 21 01:39:42 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)

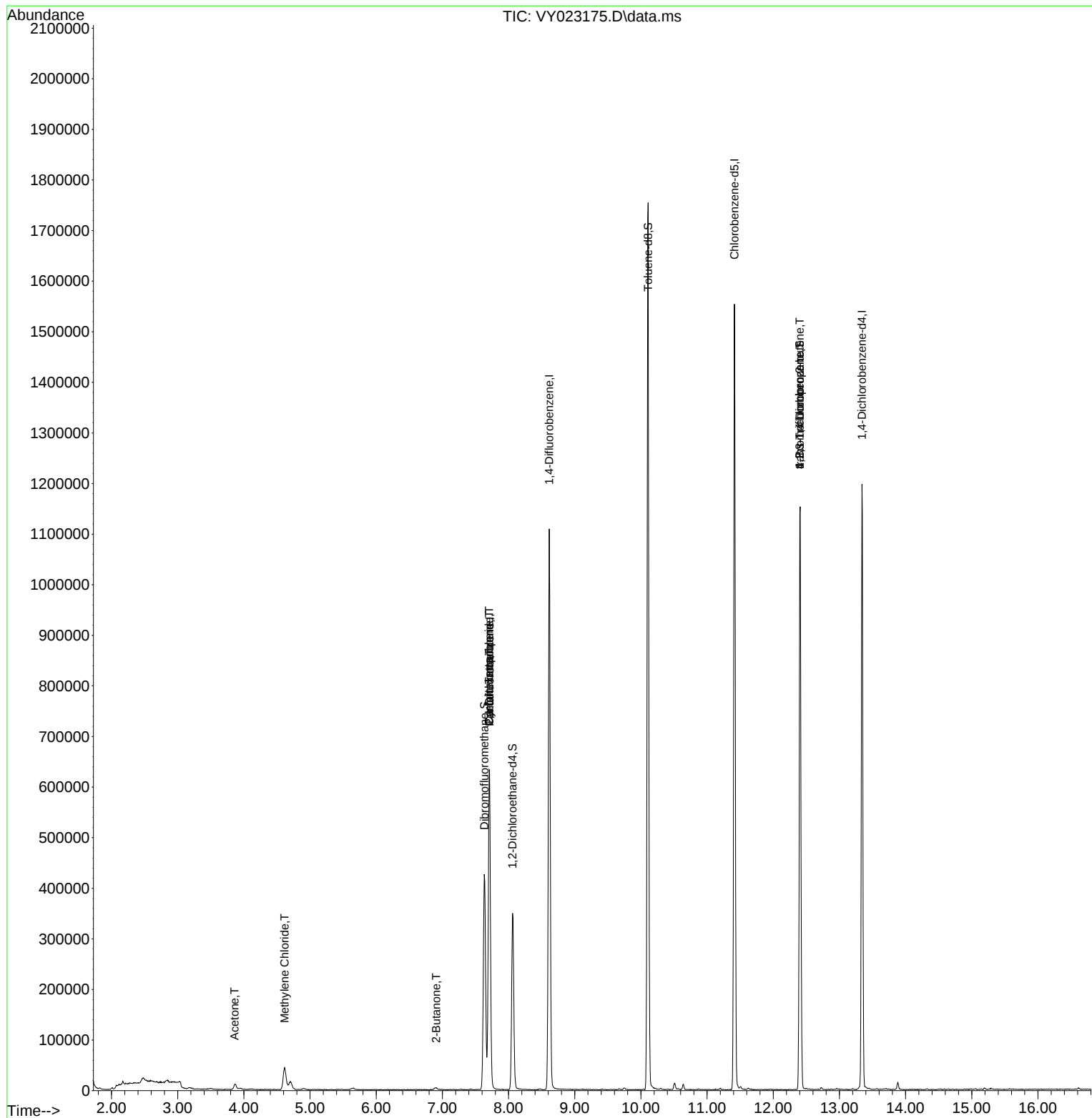
Internal Standards						
1) Pentafluorobenzene	7.713	168	500283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	945353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	831619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	308457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	273794	57.423	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.840%	
35) Dibromofluoromethane	7.634	113	305105	53.937	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.880%	
50) Toluene-d8	10.109	98	1142363	51.694	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.380%	
62) 4-Bromofluorobenzene	12.401	95	312766	44.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.020%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	18614	18.020	ug/l	91
20) Methylene Chloride	4.616	84	32382	3.505	ug/l	97
25) 2-Butanone	6.908	43	3329	2.370	ug/l	94
31) Cyclohexane	7.707	56	10559	1.189	ug/l #	13
36) 1,1-Dichloropropene	7.707	75	37699	4.484	ug/l #	49
38) Carbon Tetrachloride	7.707	117	49583	5.430	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	163872	55.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	163872	133.252	ug/l #	14

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

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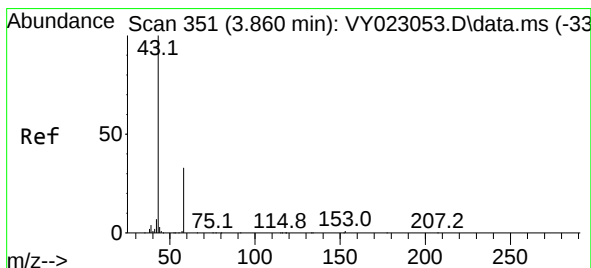
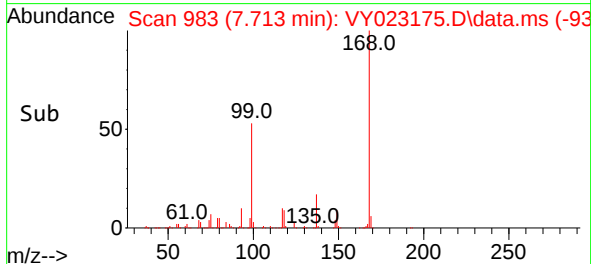
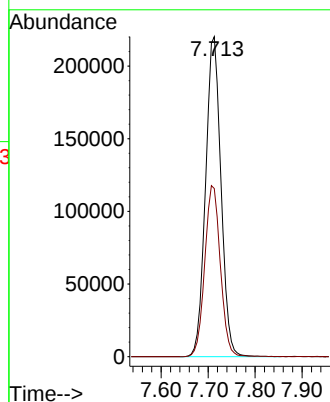
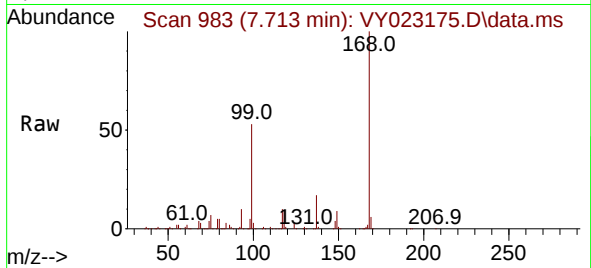




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

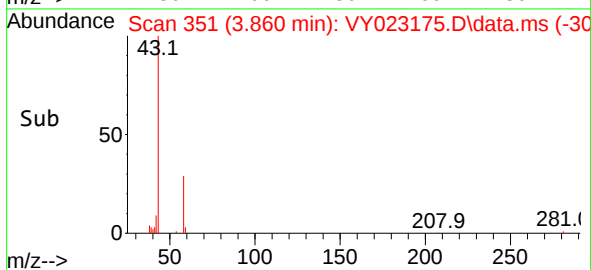
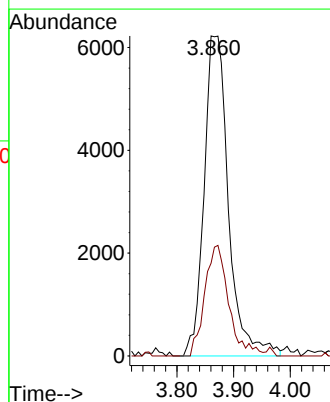
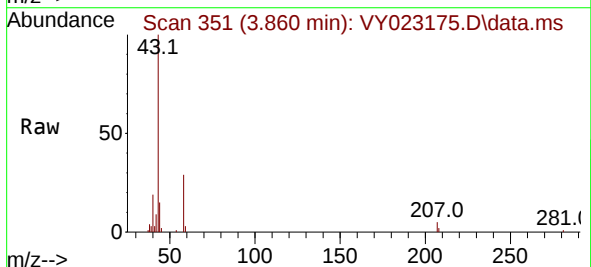
Instrument :
MSVOA_Y
ClientSampleId :
1-FLOOR-DRILL-B-BACK

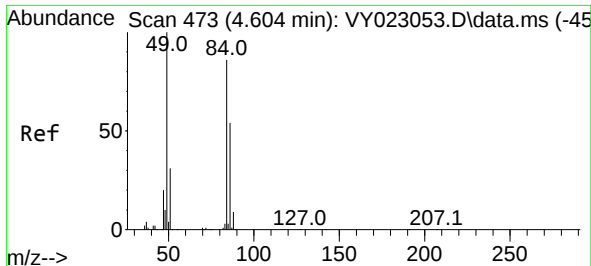
Tgt Ion:168 Resp: 500283
Ion Ratio Lower Upper
168 100
99 52.5 42.8 64.2



#16
Acetone
Concen: 18.020 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Tgt Ion: 43 Resp: 18614
Ion Ratio Lower Upper
43 100
58 29.0 27.1 40.7

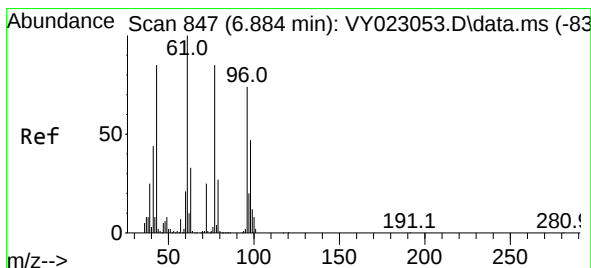
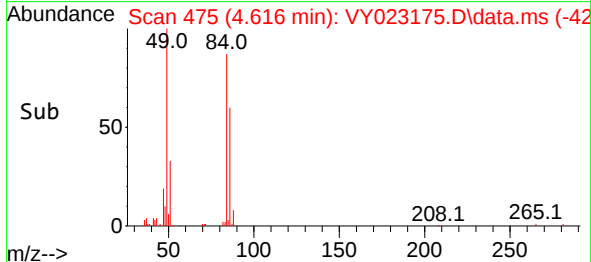
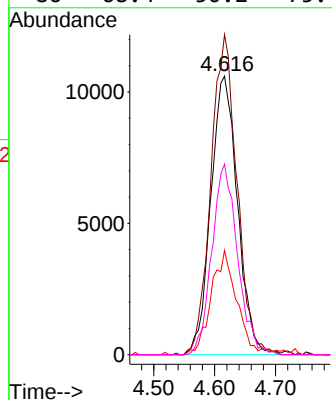
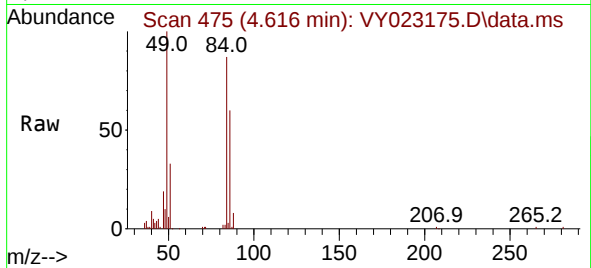




#20
Methylene Chloride
Concen: 3.505 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

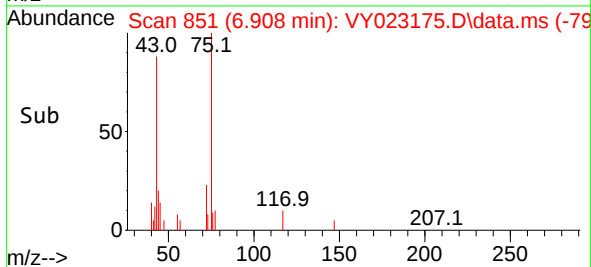
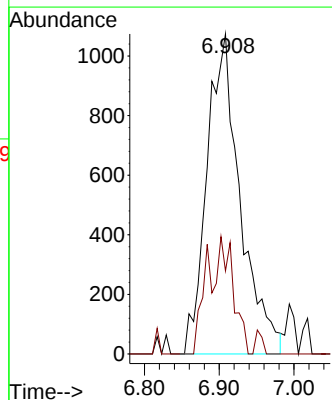
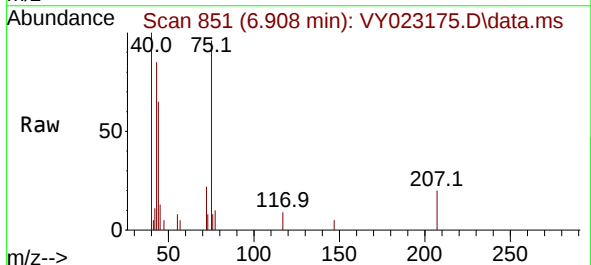
Instrument :
MSVOA_Y
ClientSampleId :
1-FLOOR-DRILL-B-BACK

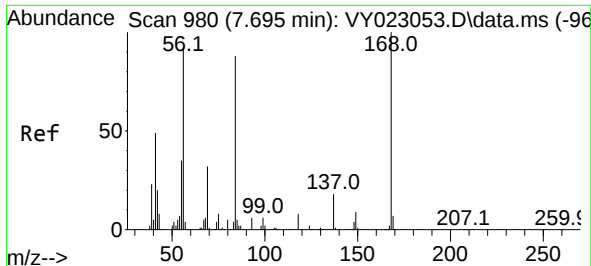
Tgt Ion:	84	Resp:	32382
Ion	Ratio	Lower	Upper
84	100		
49	114.9	93.0	139.6
51	37.4	29.0	43.4
86	68.4	50.2	75.4



#25
2-Butanone
Concen: 2.370 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.024 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Tgt Ion:	43	Resp:	3329
Ion	Ratio	Lower	Upper
43	100		
72	26.0	23.5	35.3

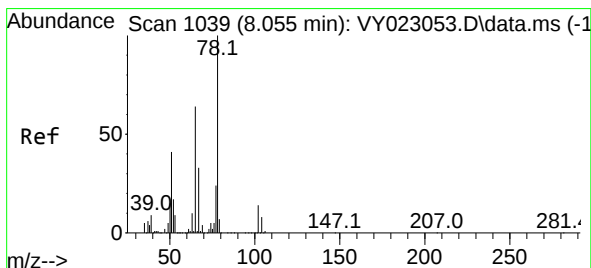
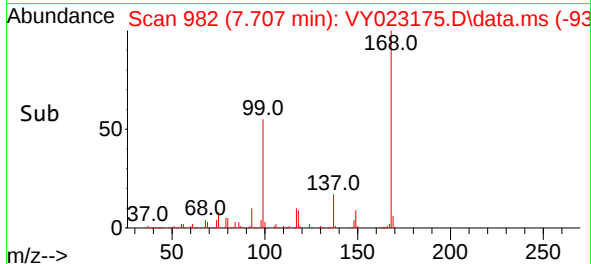
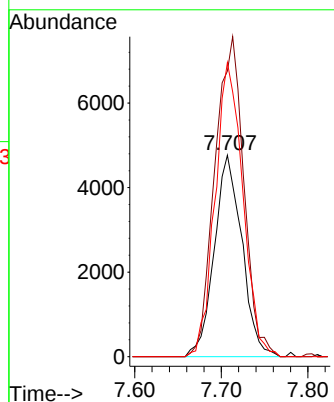
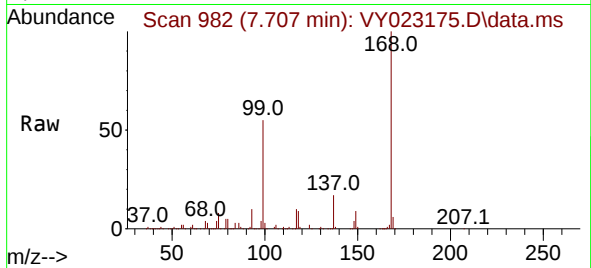




#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

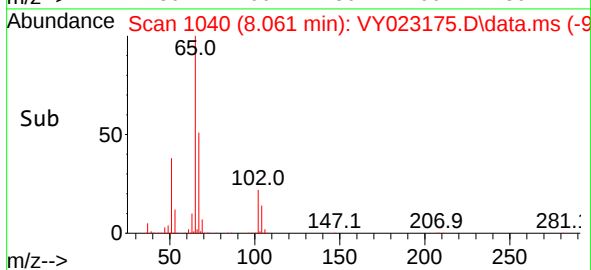
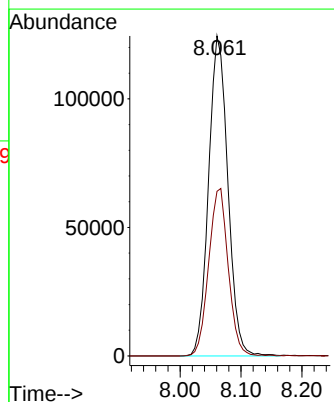
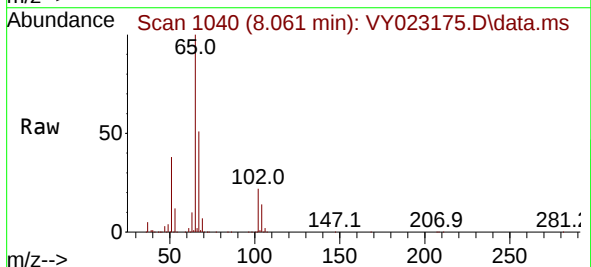
Instrument :
MSVOA_Y
ClientSampleId :
1-FLOOR-DRILL-B-BACK

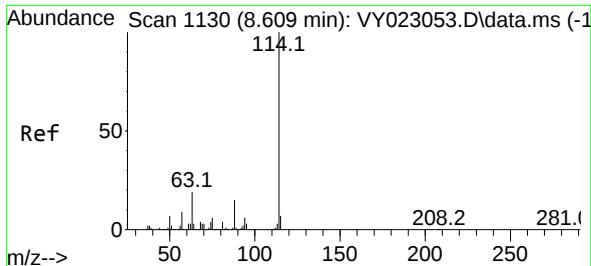
Tgt Ion: 56 Resp: 10559
Ion Ratio Lower Upper
56 100
69 141.8 28.2 42.2#
84 146.0 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 57.423 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Tgt Ion: 65 Resp: 273794
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

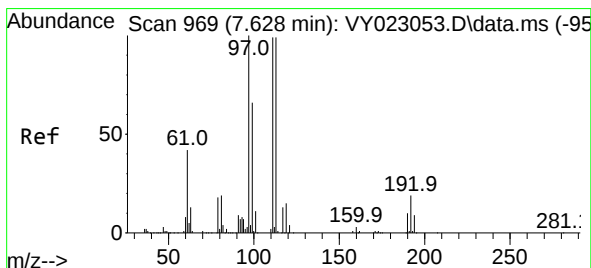
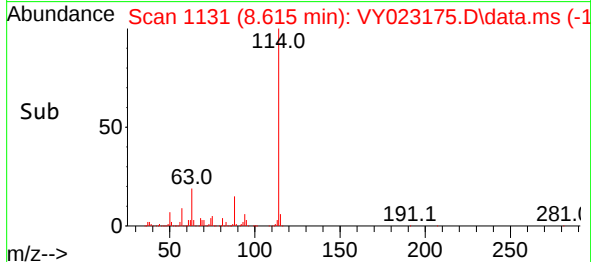
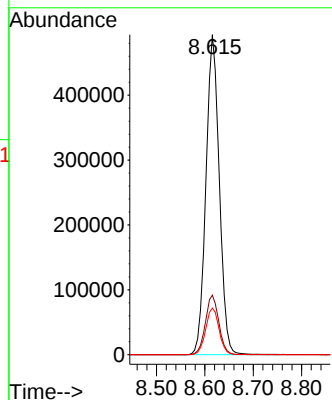
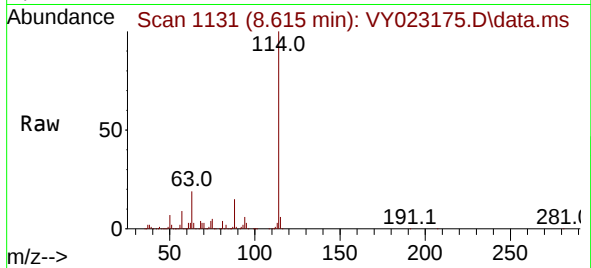




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

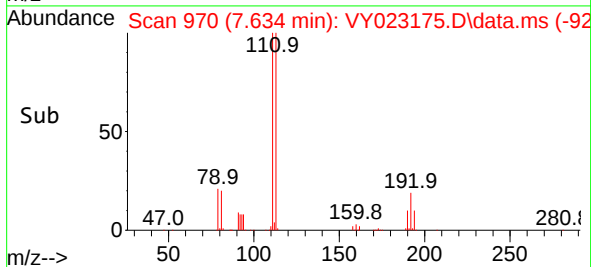
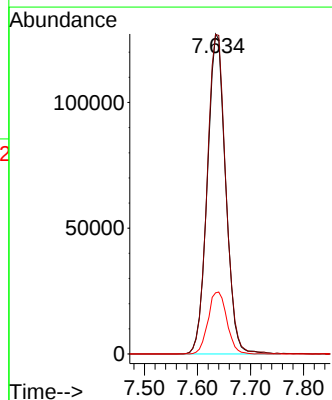
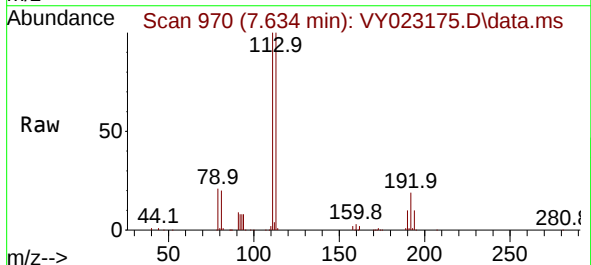
Instrument :
MSVOA_Y
ClientSampleId :
1-FLOOR-DRILL-B-BACK

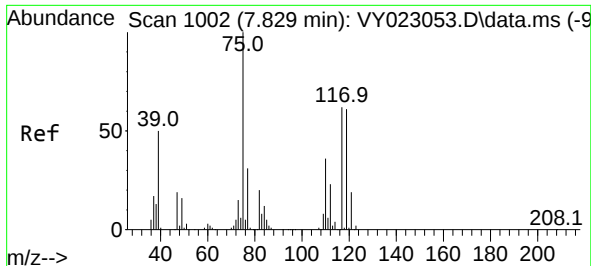
Tgt Ion:114 Resp: 945353
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.937 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Tgt Ion:113 Resp: 305105
Ion Ratio Lower Upper
113 100
111 101.6 81.1 121.7
192 19.8 16.2 24.4

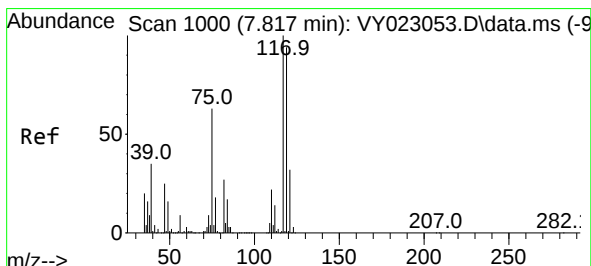
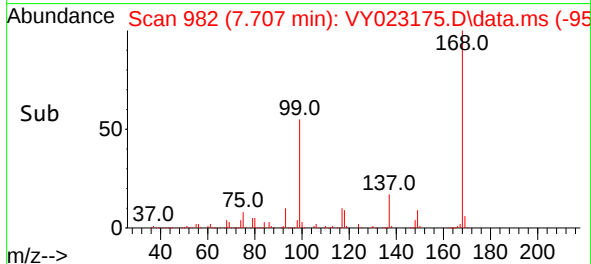
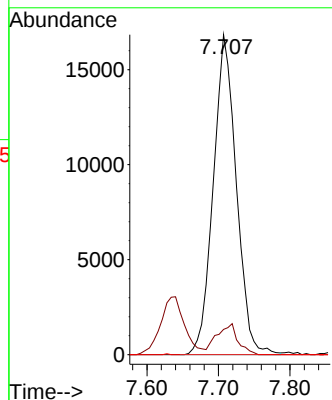
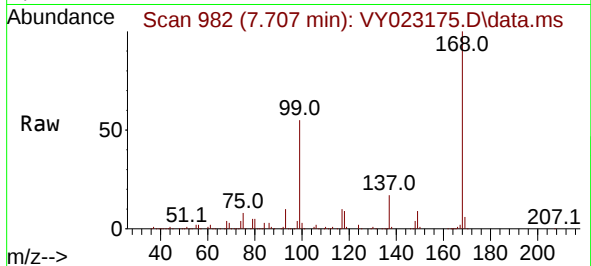




#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

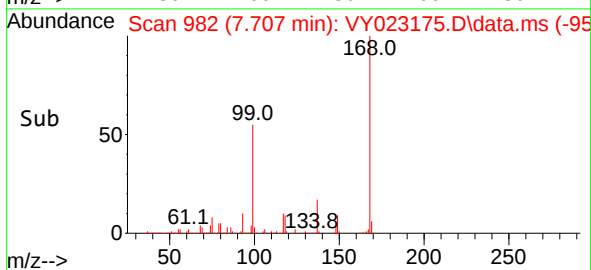
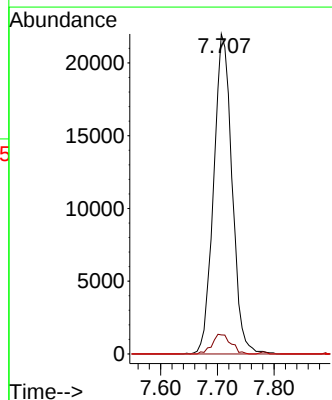
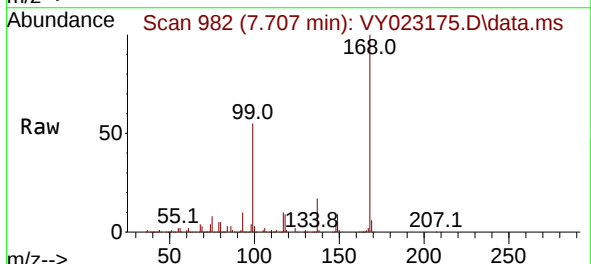
Instrument :
MSVOA_Y
ClientSampleId :
1-FLOOR-DRILL-B-BACK

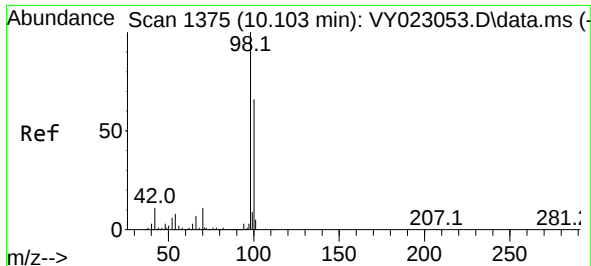
Tgt Ion: 75 Resp: 37699
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.430 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Tgt Ion: 117 Resp: 49583
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 25.8 38.8#

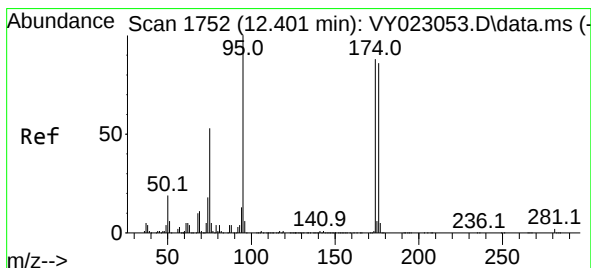
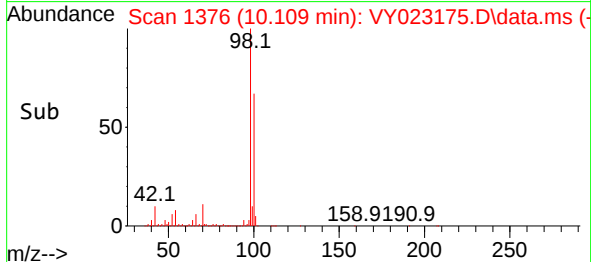
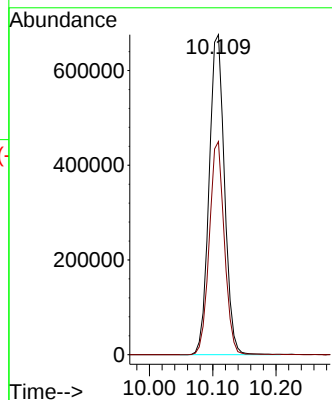
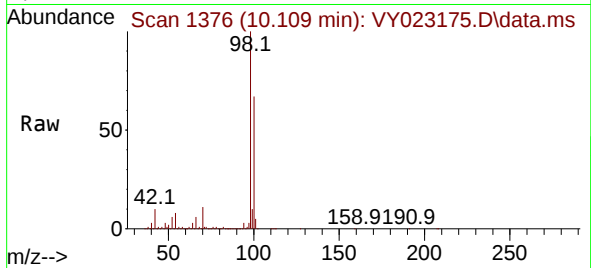




#50
Toluene-d8
Concen: 51.694 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

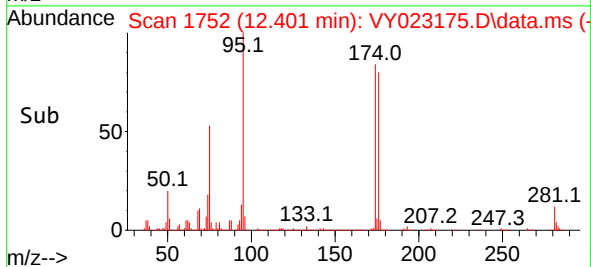
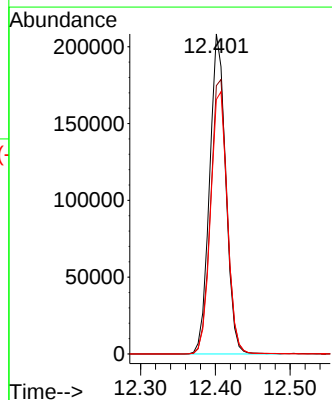
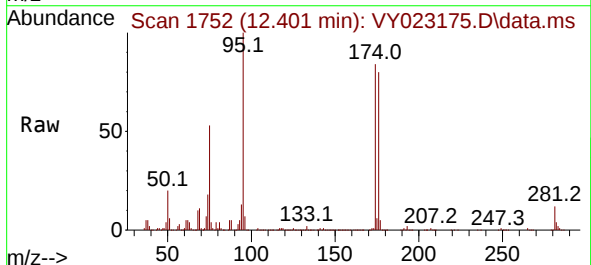
Instrument :
MSVOA_Y
ClientSampleId :
1-FLOOR-DRILL-B-BACK

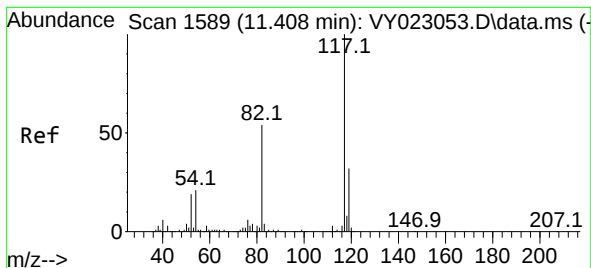
Tgt Ion: 98 Resp: 1142363
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.010 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Tgt Ion: 95 Resp: 312766
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# 11

Delta R.T. 0.006 min

Lab File: VY023175.D

Acq: 20 Aug 2025 14:58

Instrument :

MSVOA_Y

ClientSampleId :

1-FLOOR-DRILL-B-BACK

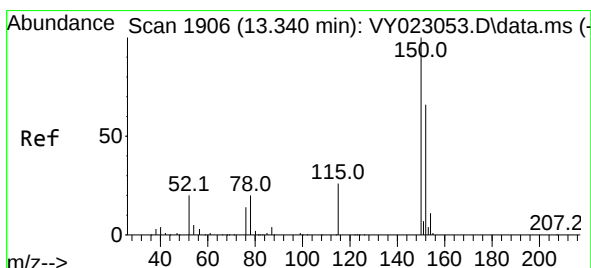
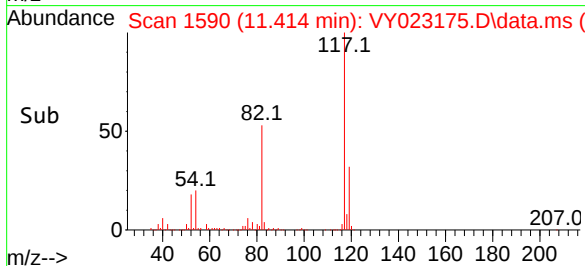
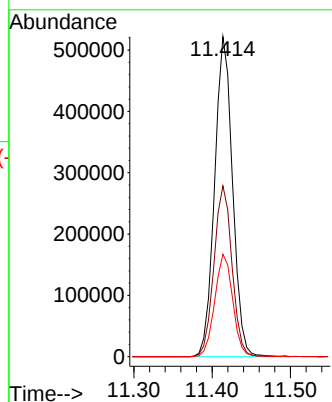
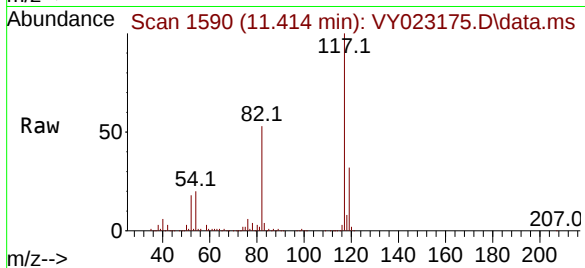
Tgt Ion:117 Resp: 831619

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.0 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: VY023175.D

Acq: 20 Aug 2025 14:58

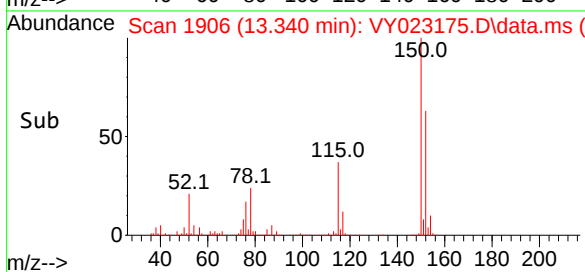
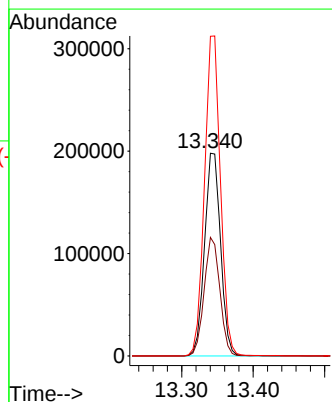
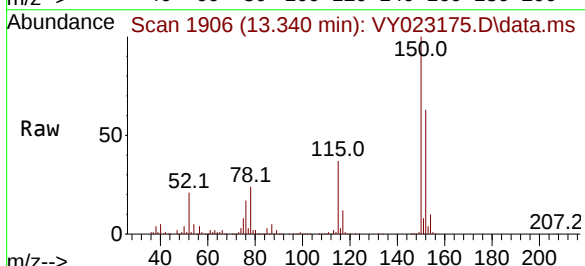
Tgt Ion:152 Resp: 308457

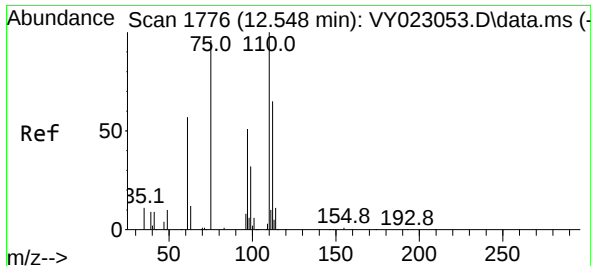
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 156.9 0.0 348.0

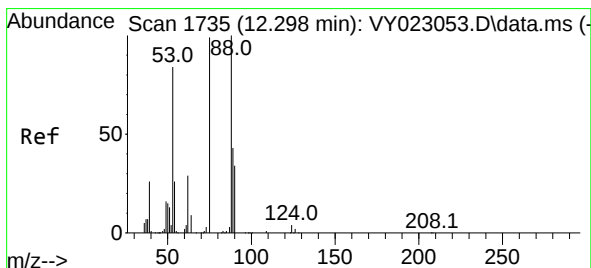
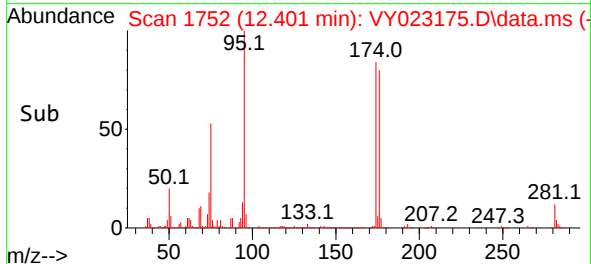
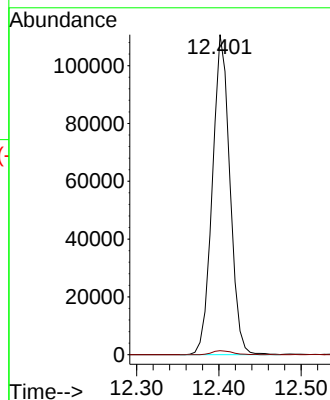
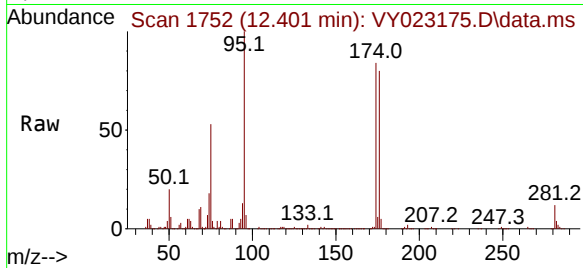




#76
1,2,3-Trichloropropane
Concen: 55.047 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
1-FLOOR-DRILL-B-BACK

Tgt Ion: 75 Resp: 163872
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.252 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023175.D
Acq: 20 Aug 2025 14:58

Tgt Ion: 75 Resp: 163872
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.4 38.1 57.1#

