

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022157.D
 Acq On : 05 May 2025 14:21
 Operator : SY/MD
 Sample : Q1938-06
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOWER-WALL-PILE-C

Quant Time: May 06 05:21:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

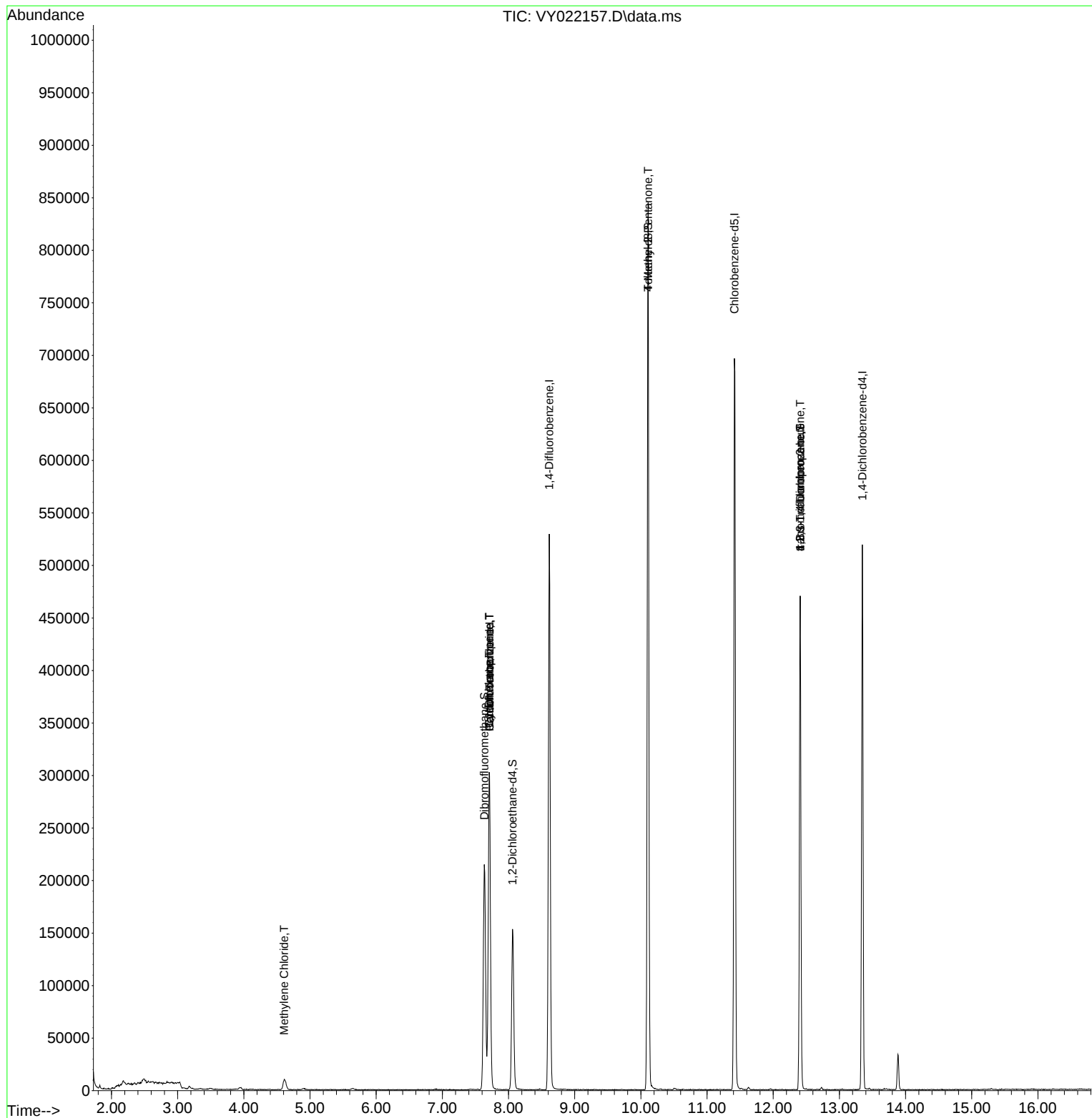
Internal Standards						
1) Pentafluorobenzene	7.713	168	236208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121736	55.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.600%
35) Dibromofluoromethane	7.634	113	154327	51.253	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.500%
50) Toluene-d8	10.109	98	553452	48.755	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.408	95	141467	37.019	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.040%
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	337	Below Cal	#	70
20) Methylene Chloride	4.610	84	8085	2.931	ug/l	94
31) Cyclohexane	7.707	56	4644	1.288	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18332	4.532	ug/l #	49
38) Carbon Tetrachloride	7.713	117	23373	4.836	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2114	1.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	71245	62.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	71245	150.605	ug/l #	16

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

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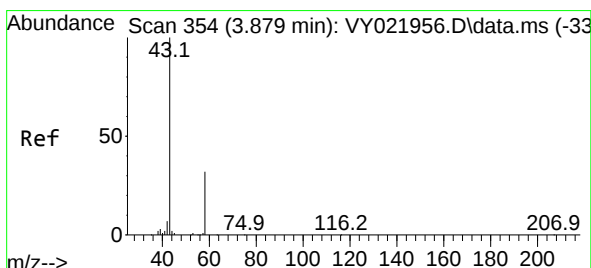
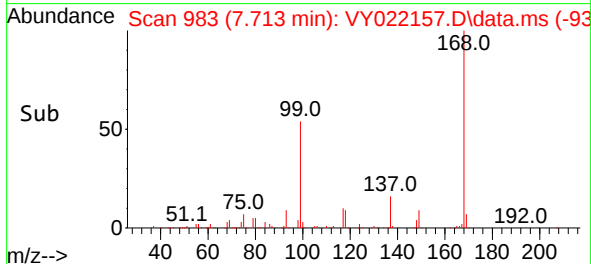
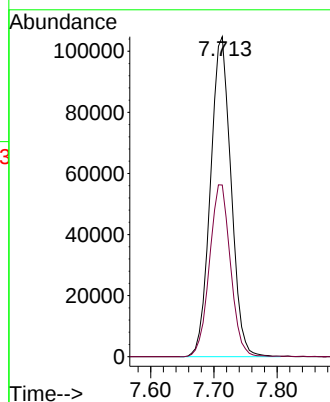
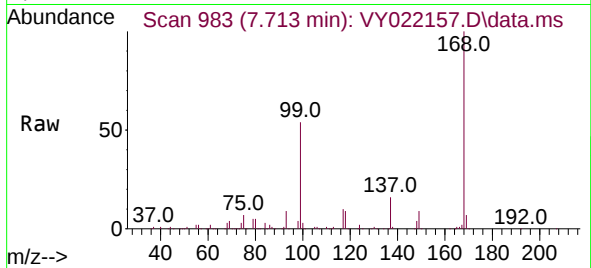




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

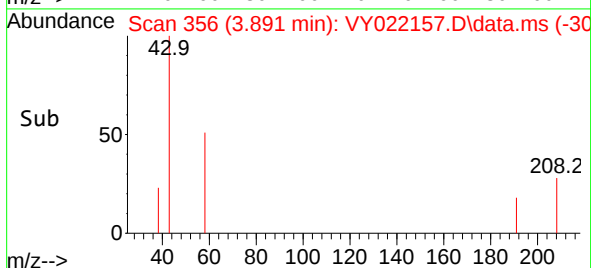
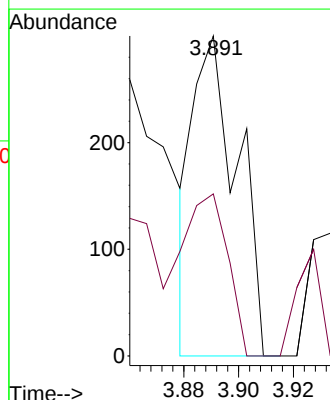
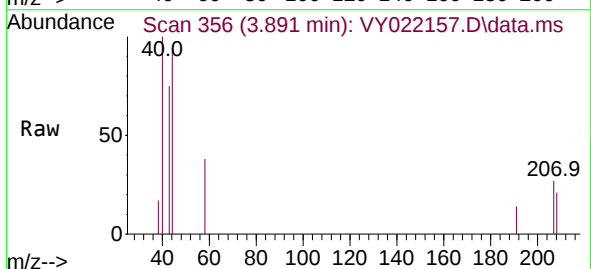
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

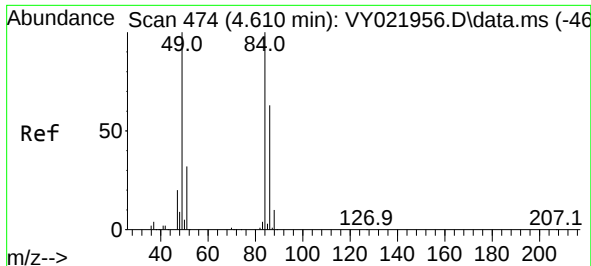
Tgt Ion:168 Resp: 236208
Ion Ratio Lower Upper
168 100
99 53.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 50.7 27.0 40.4#

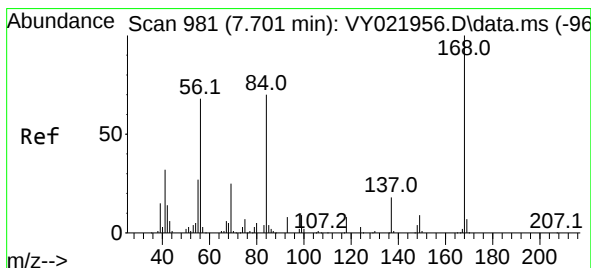
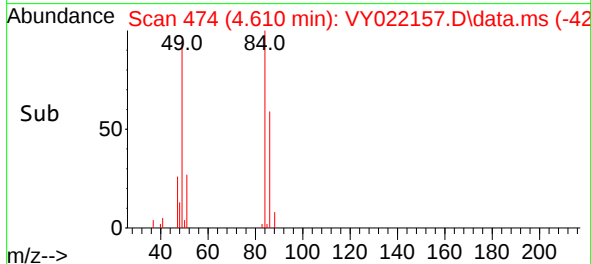
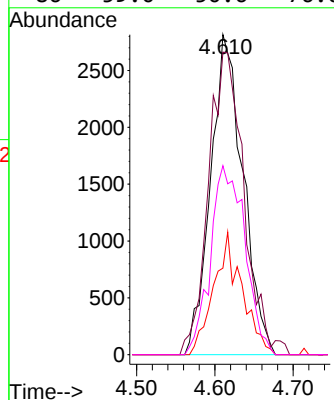
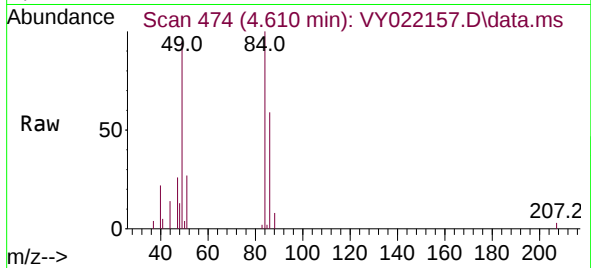




#20
Methylene Chloride
Concen: 2.931 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

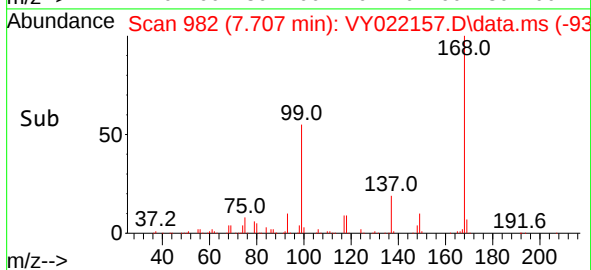
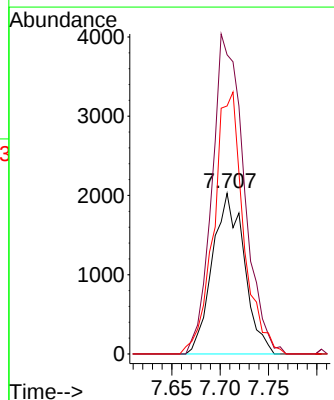
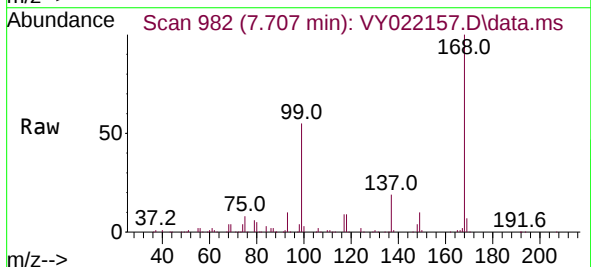
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Tgt Ion:	84	Resp:	8085
Ion	Ratio	Lower	Upper
84	100		
49	94.6	79.9	119.9
51	27.1	25.4	38.0
86	59.0	50.6	76.0



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion:	56	Resp:	4644
Ion	Ratio	Lower	Upper
56	100		
69	186.2	29.4	44.2#
84	154.3	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 55.796 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

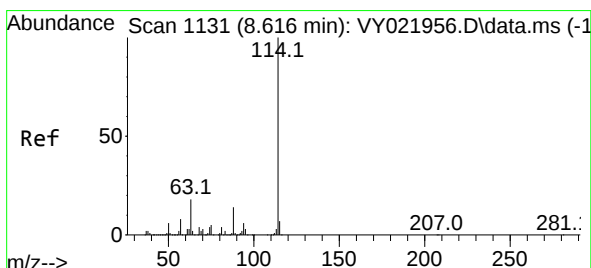
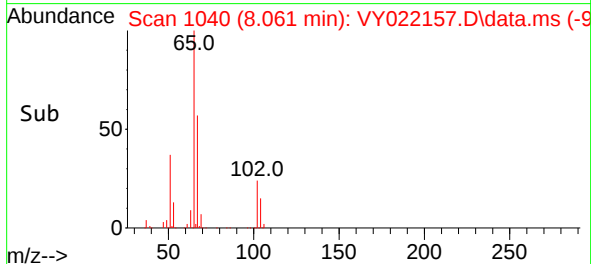
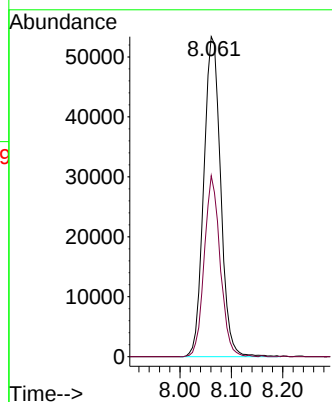
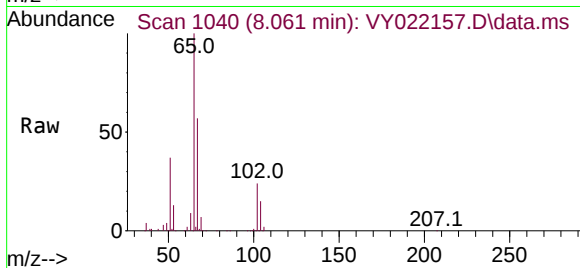
LOWER-WALL-PILE-C

Tgt Ion: 65 Resp: 121736

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

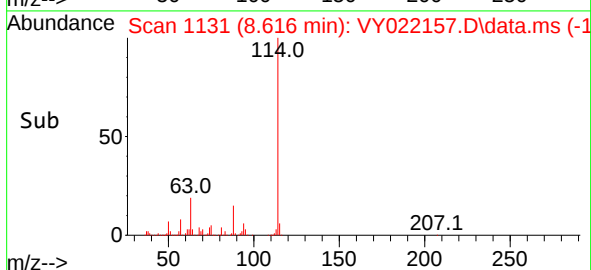
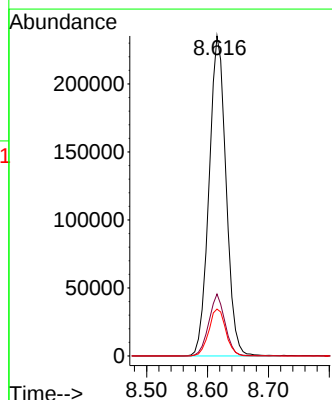
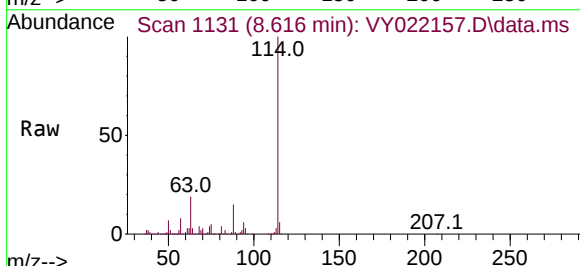
Tgt Ion: 114 Resp: 455775

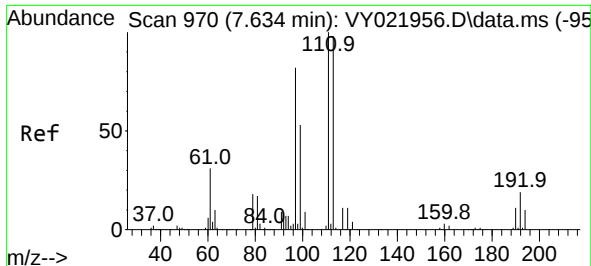
Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.4

88 14.6 0.0 28.2

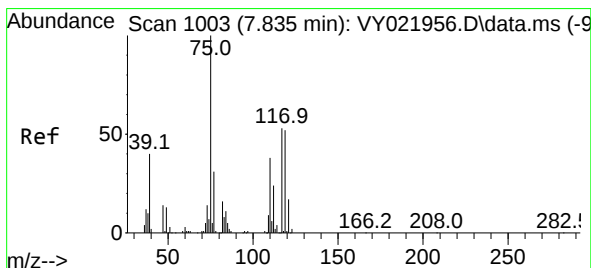
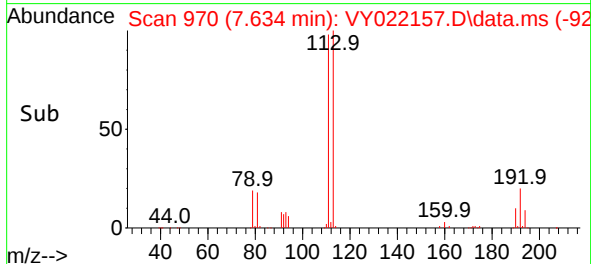
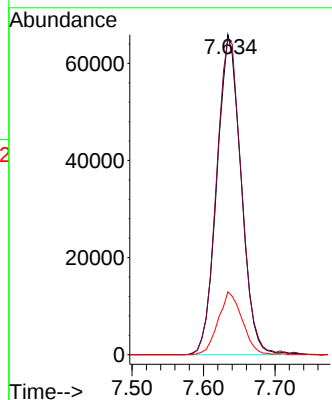
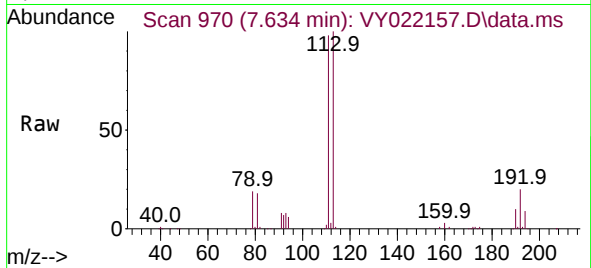




#35
Dibromofluoromethane
Concen: 51.253 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

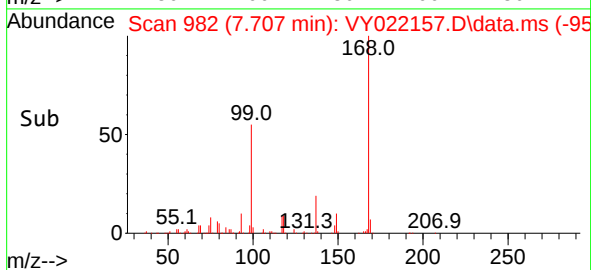
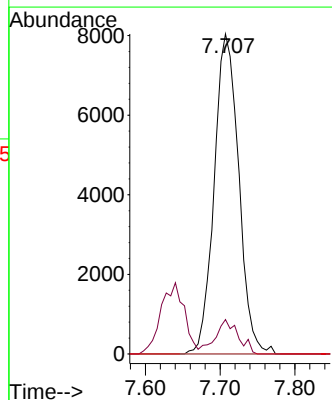
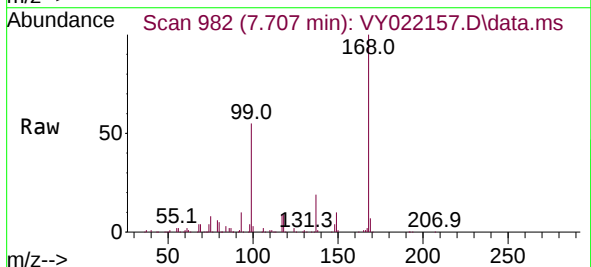
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

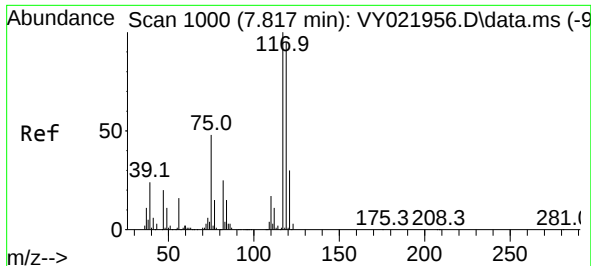
Tgt Ion:113 Resp: 154327
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 19.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 75 Resp: 18332
Ion Ratio Lower Upper
75 100
110 10.1 19.1 57.3#
77 0.0 25.5 38.3#

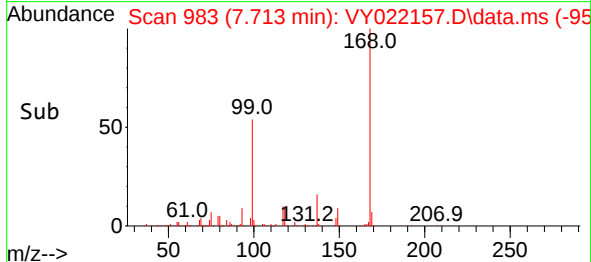
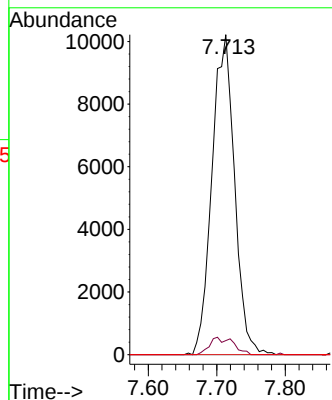
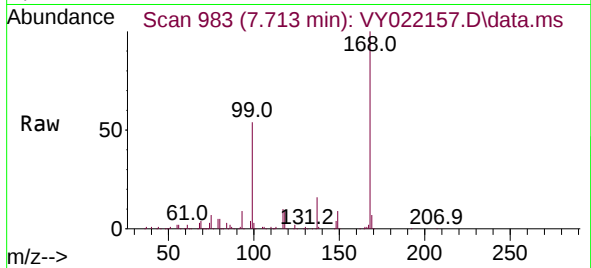




#38
Carbon Tetrachloride
Concen: 4.836 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

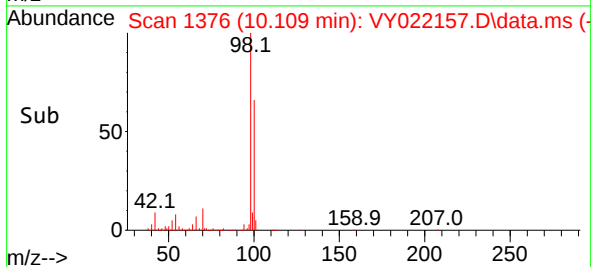
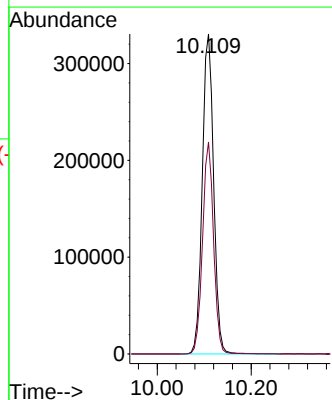
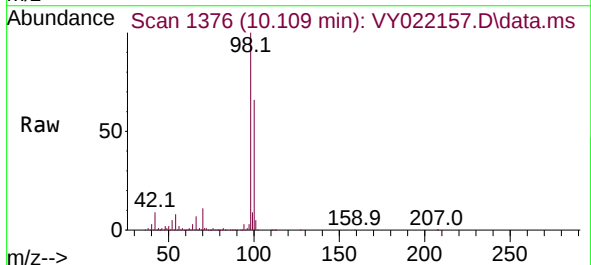
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

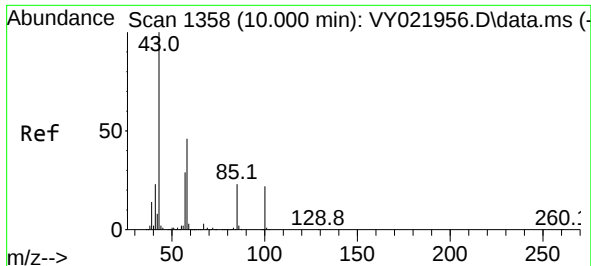
Tgt Ion:117 Resp: 23373
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.755 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 98 Resp: 553452
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

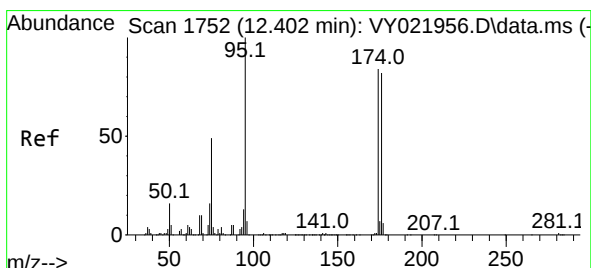
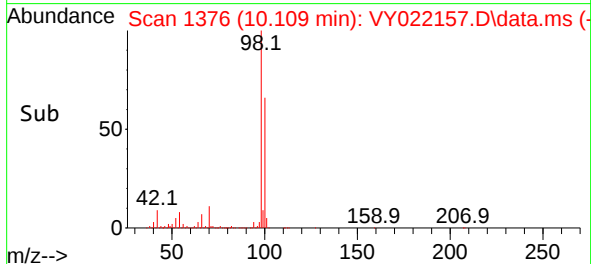
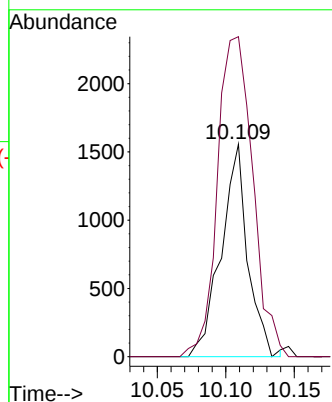
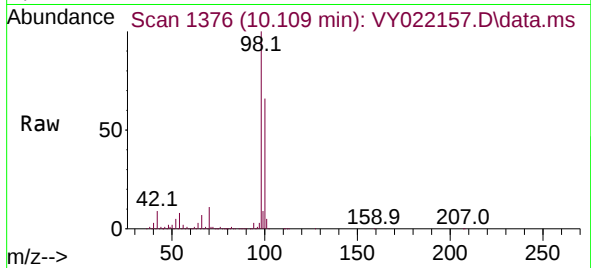




#51
4-Methyl-2-Pentanone
Concen: 1.446 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

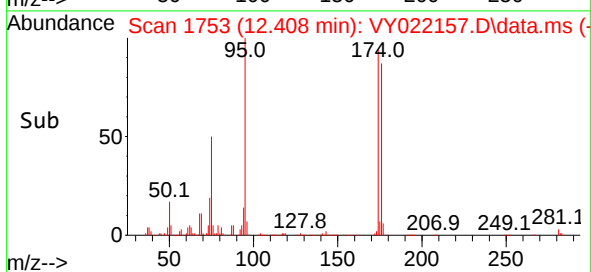
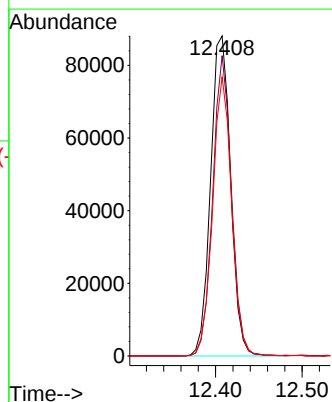
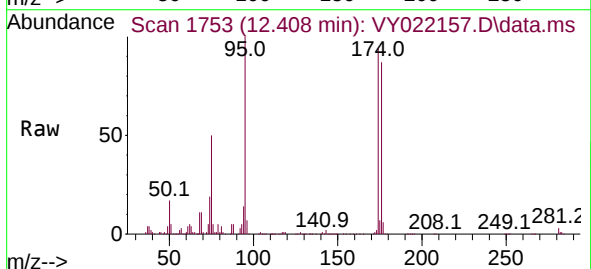
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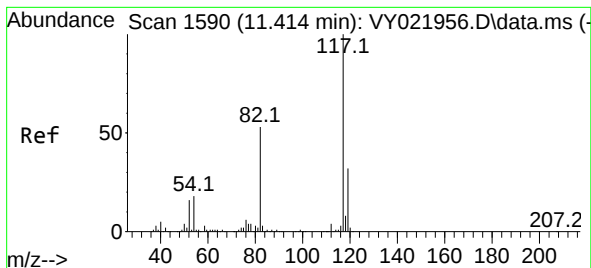
Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
58 198.7 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 37.019 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 95 Resp: 141467
Ion Ratio Lower Upper
95 100
174 88.0 0.0 179.0
176 82.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022157.D

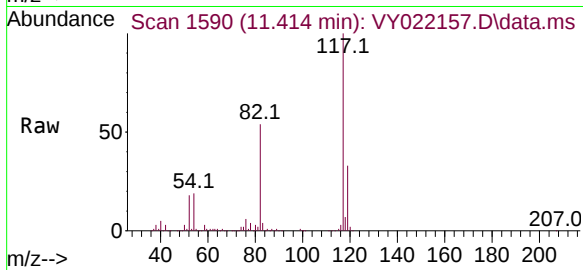
Acq: 05 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-C



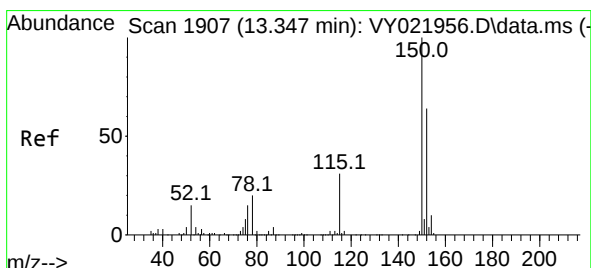
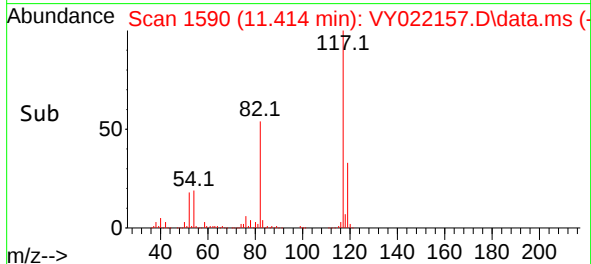
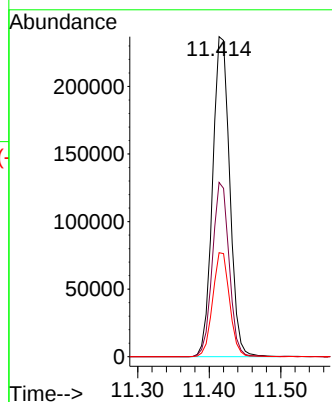
Tgt Ion:117 Resp: 393874

Ion Ratio Lower Upper

117 100

82 54.5 42.1 63.1

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022157.D

Acq: 05 May 2025 14:21

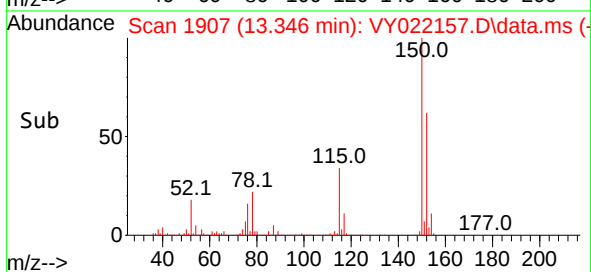
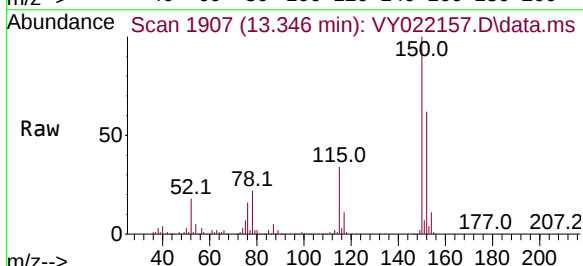
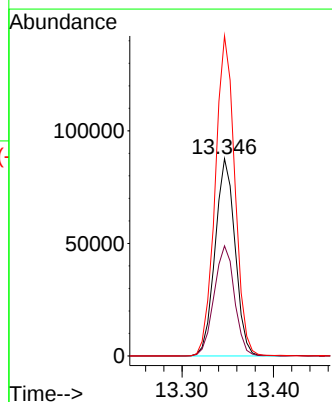
Tgt Ion:152 Resp: 132998

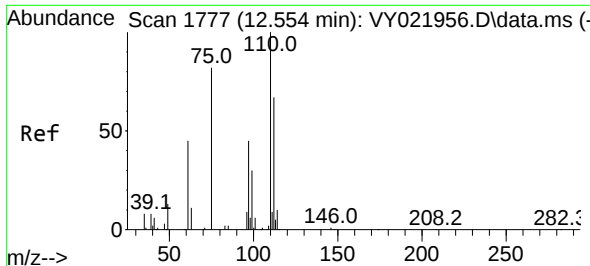
Ion Ratio Lower Upper

152 100

115 57.0 28.0 84.0

150 159.7 0.0 345.6

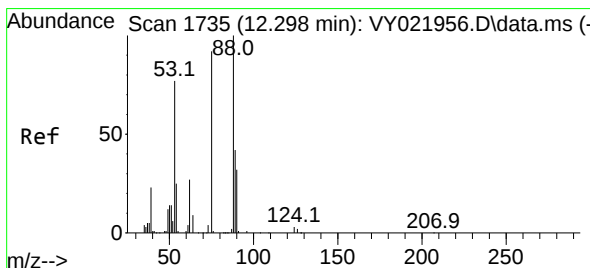
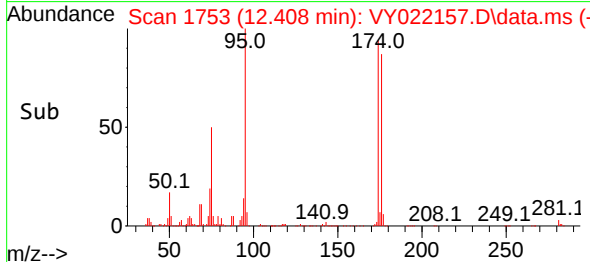
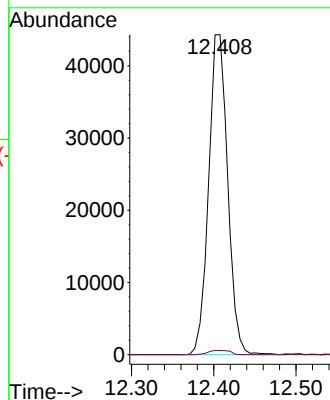
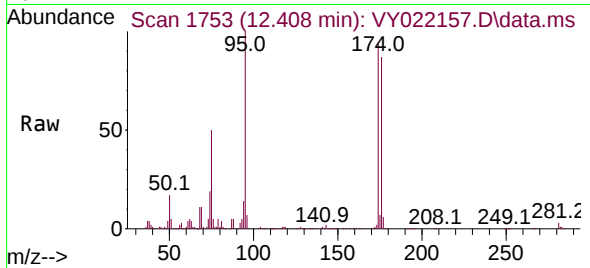




#76
1,2,3-Trichloropropane
Concen: 62.540 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-C

Tgt Ion: 75 Resp: 71245
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 150.605 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022157.D
Acq: 05 May 2025 14:21

Tgt Ion: 75 Resp: 71245
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.1 37.2 55.8#

