

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022156.D
 Acq On : 05 May 2025 13:58
 Operator : SY/MD
 Sample : Q1938-04
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 06 05:21:35 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)

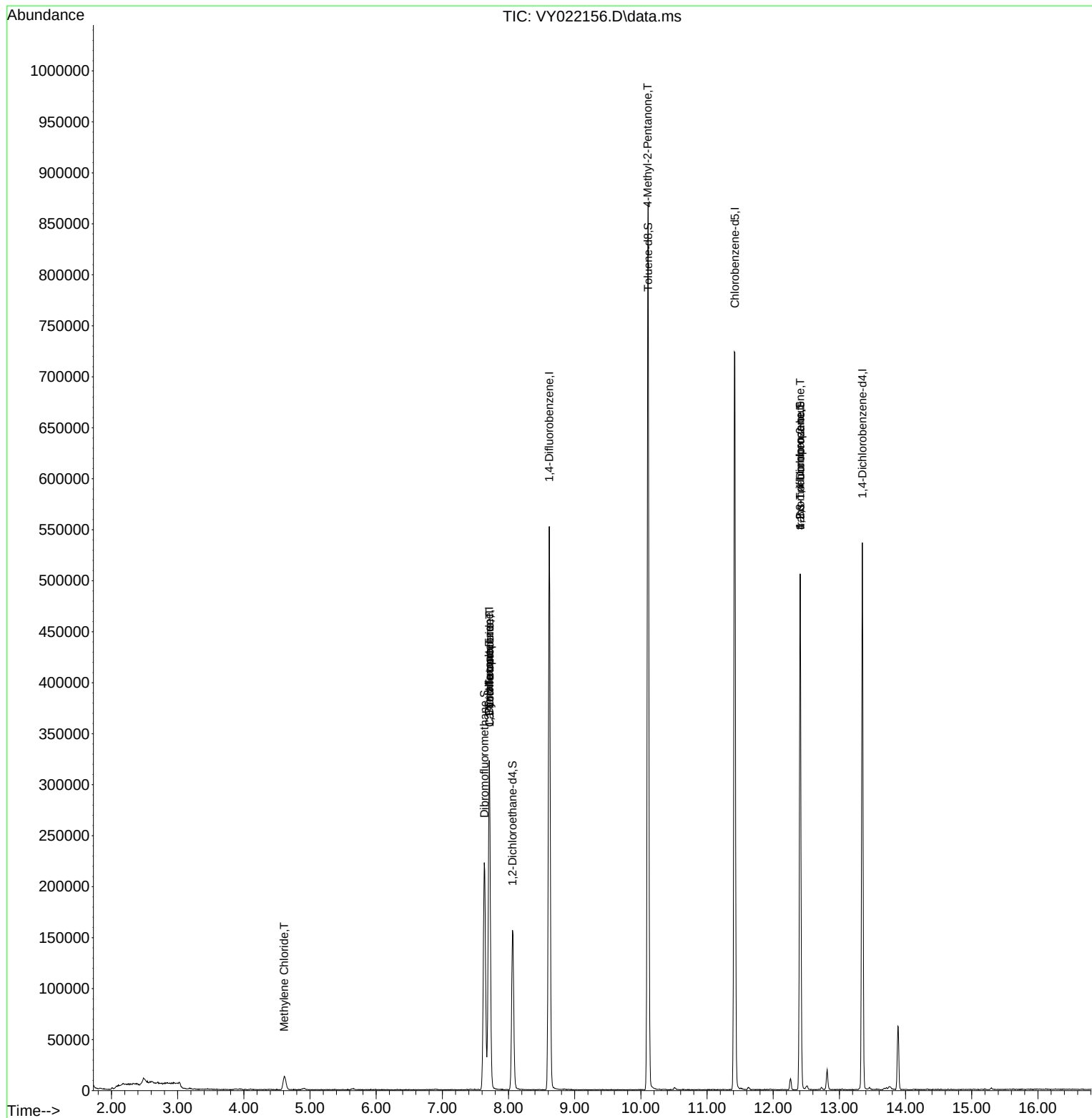
Internal Standards						
1) Pentafluorobenzene	7.707	168	247569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	475913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	407953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	135235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124108	54.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.540%	
35) Dibromofluoromethane	7.634	113	159708	50.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.600%	
50) Toluene-d8	10.109	98	571643	48.226	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.460%	
62) 4-Bromofluorobenzene	12.407	95	148871	37.308	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.620%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	634	Below Cal		94
20) Methylene Chloride	4.610	84	10455	3.616	ug/l	95
31) Cyclohexane	7.707	56	4428	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	18893	4.473	ug/l #	48
38) Carbon Tetrachloride	7.713	117	24934	4.941	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	2167	1.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	74094	63.965	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	74094	154.037	ug/l #	16

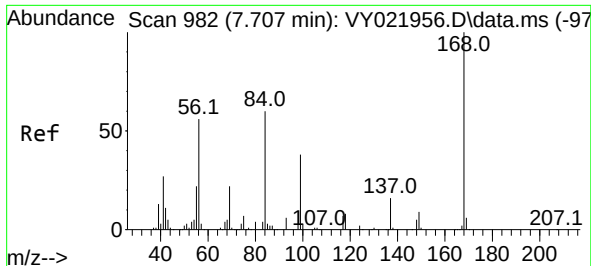
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

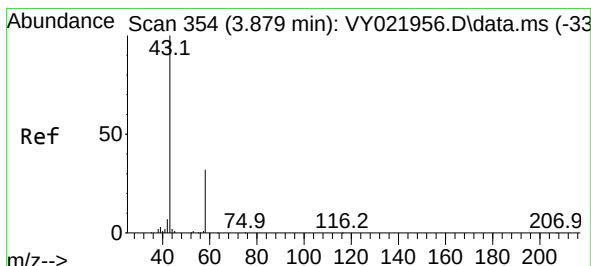
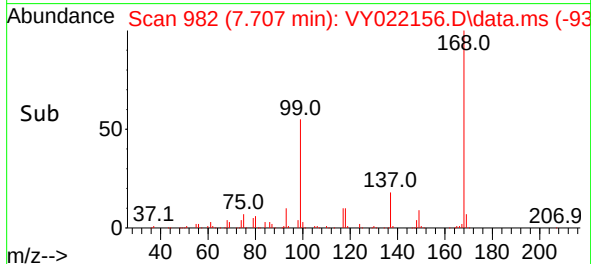
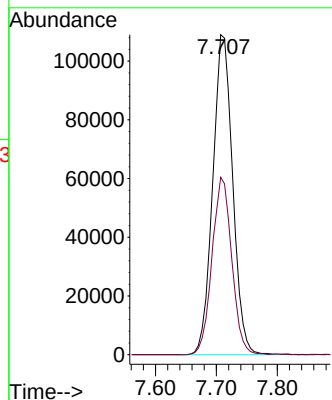
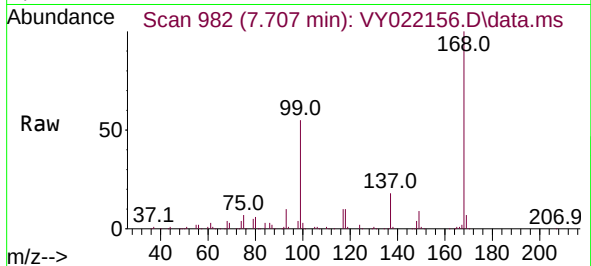




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

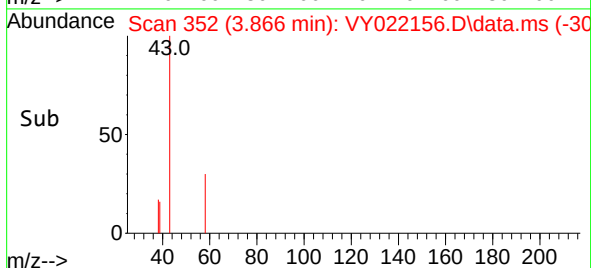
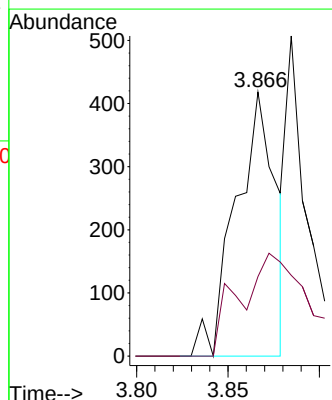
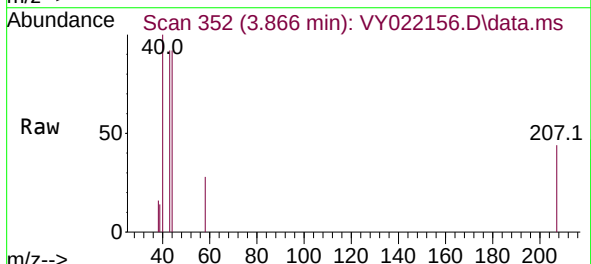
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

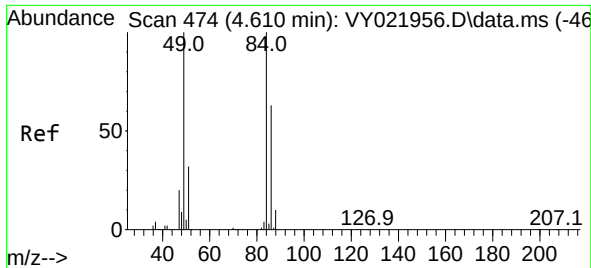
Tgt Ion:168 Resp: 247569
Ion Ratio Lower Upper
168 100
99 55.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

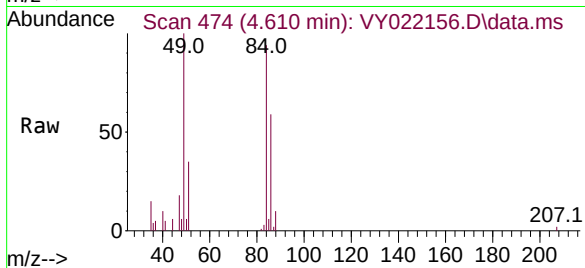
Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
58 30.1 27.0 40.4



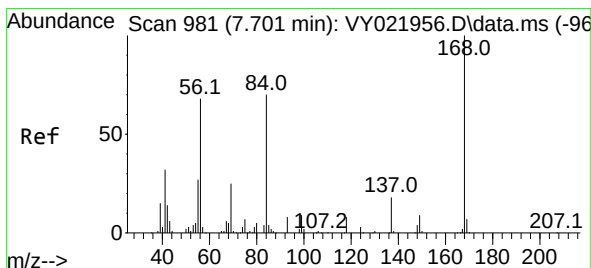
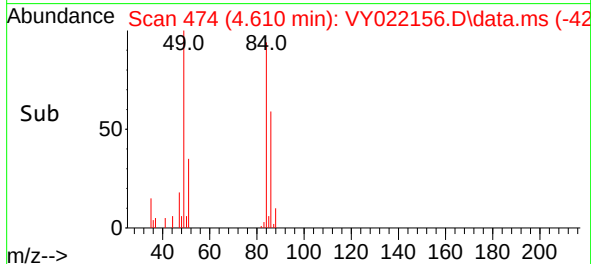
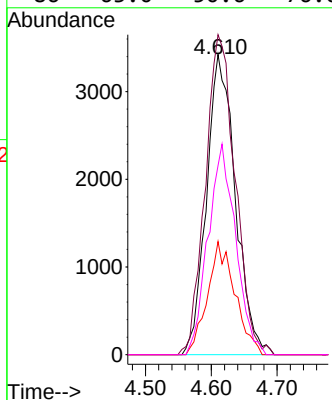


#20
Methylene Chloride
Concen: 3.616 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

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

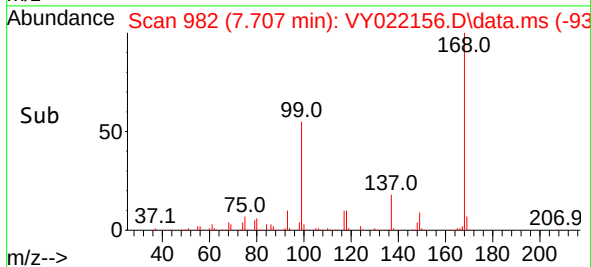
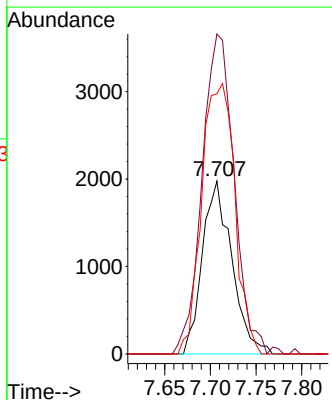
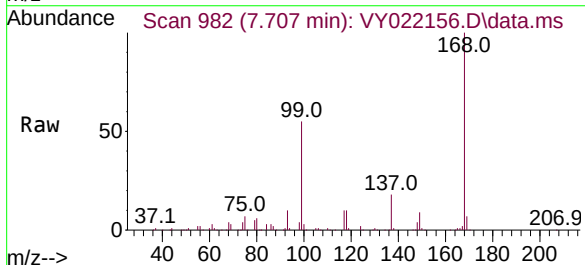


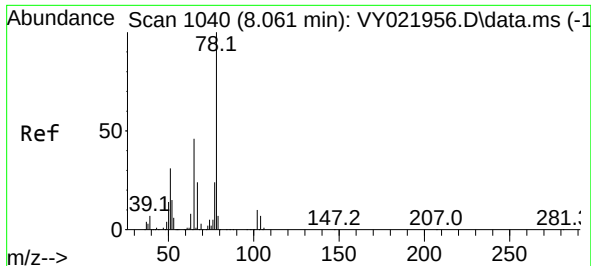
Tgt Ion:	84	Resp:	10455
Ion	Ratio	Lower	Upper
84	100		
49	106.6	79.9	119.9
51	37.7	25.4	38.0
86	63.0	50.6	76.0



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion:	56	Resp:	4428
Ion	Ratio	Lower	Upper
56	100		
69	182.0	29.4	44.2#
84	150.5	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 54.273 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

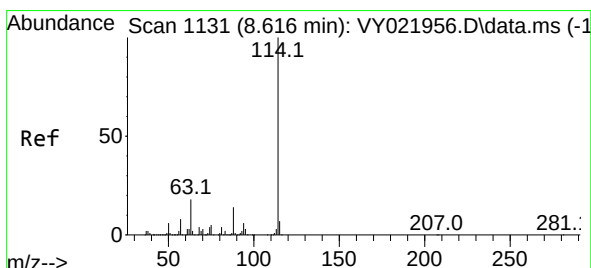
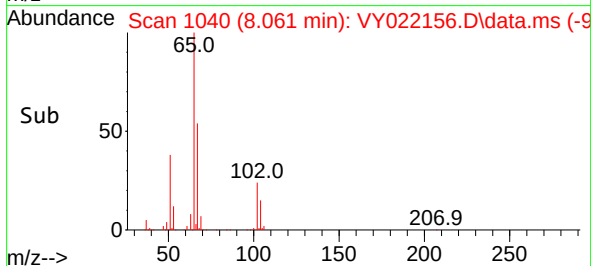
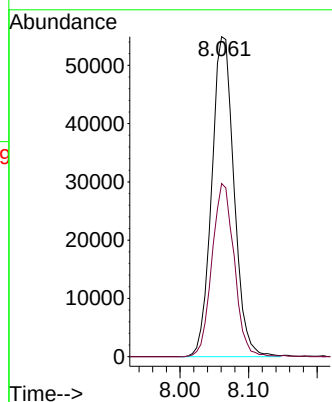
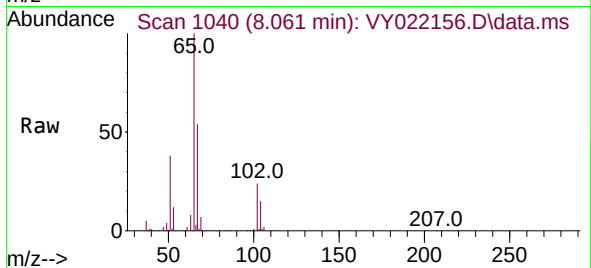
LOWER-WALL-PILE-B

Tgt Ion: 65 Resp: 124108

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

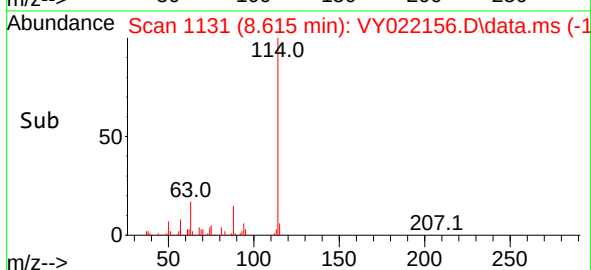
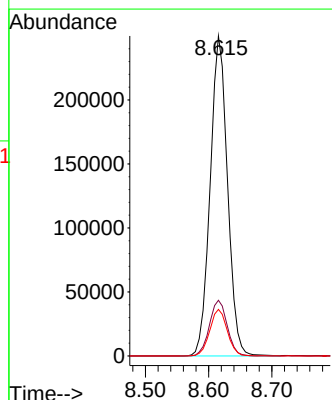
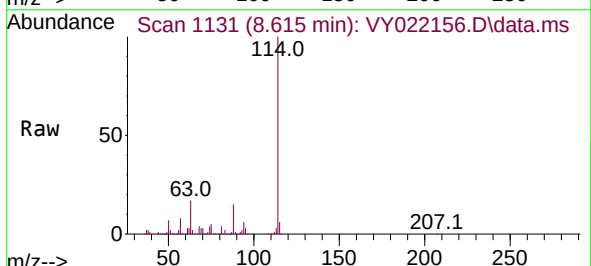
Tgt Ion:114 Resp: 475913

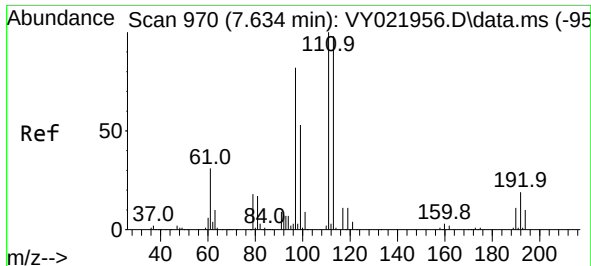
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.6 0.0 28.2

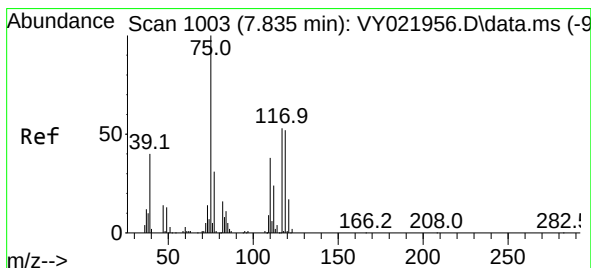
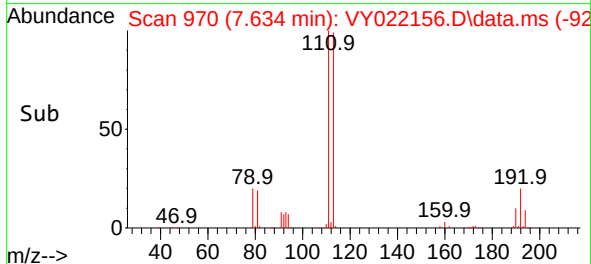
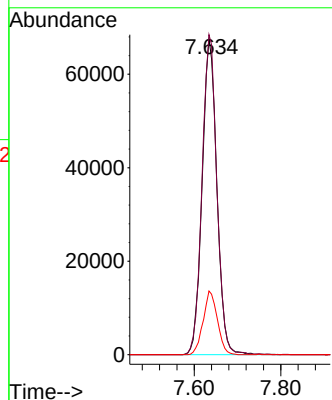
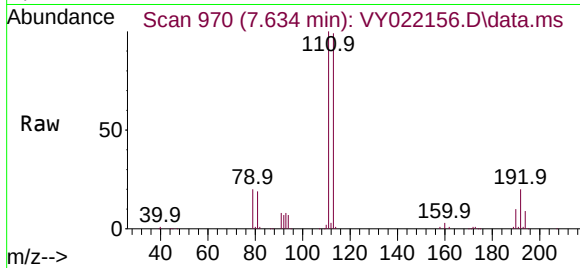




#35
Dibromofluoromethane
Concen: 50.796 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

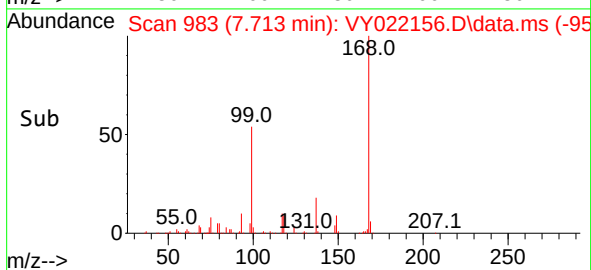
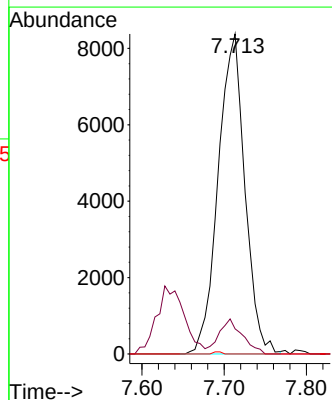
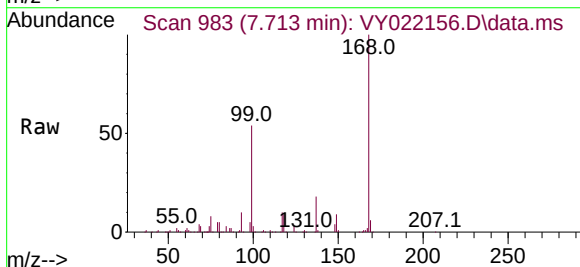
Instrument :
MSVOA_Y
ClientSampleId :
LOWER-WALL-PILE-B

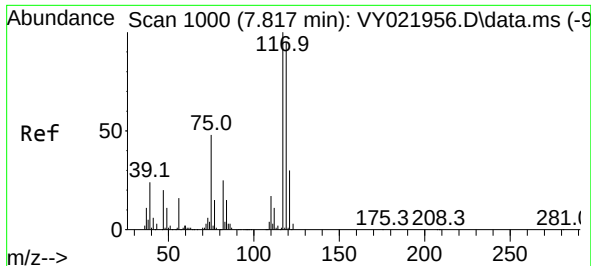
Tgt Ion:113 Resp: 159708
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 19.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.473 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 75 Resp: 18893
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.5 38.3#

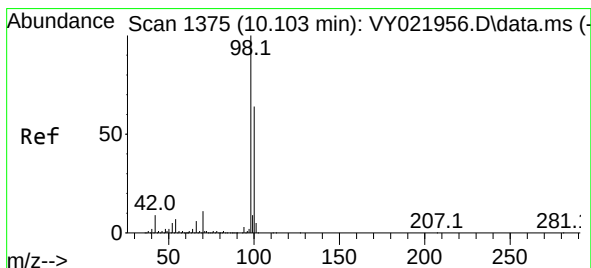
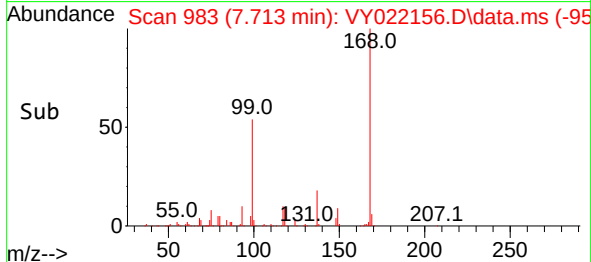
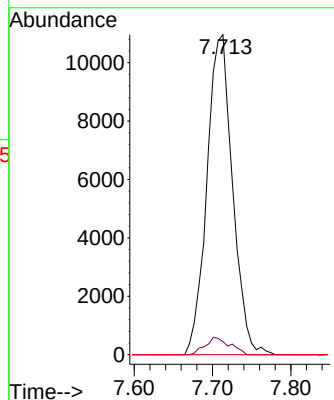
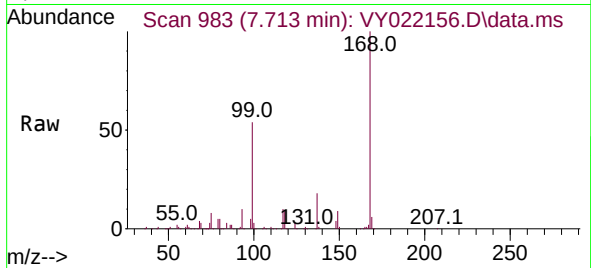




#38
Carbon Tetrachloride
Concen: 4.941 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

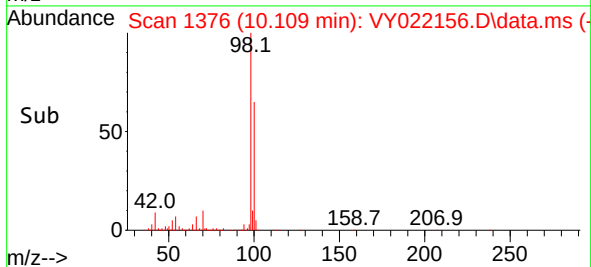
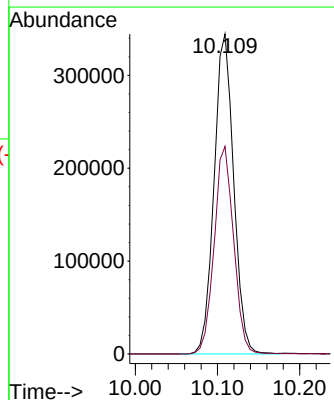
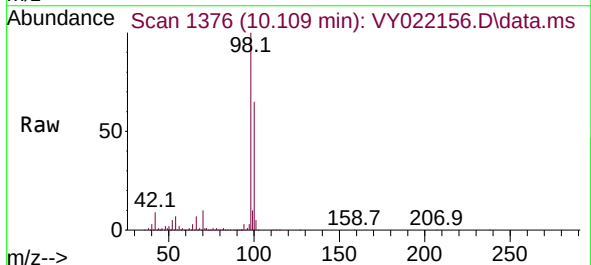
Instrument :
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ClientSampleId :
LOWER-WALL-PILE-B

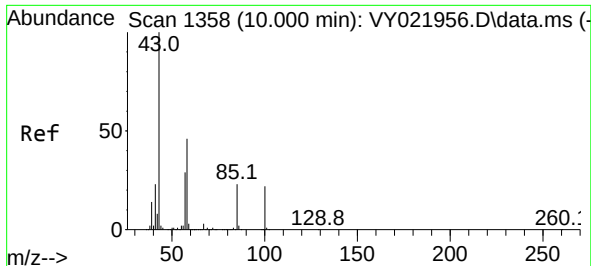
Tgt Ion:117 Resp: 24934
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.226 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 98 Resp: 571643
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

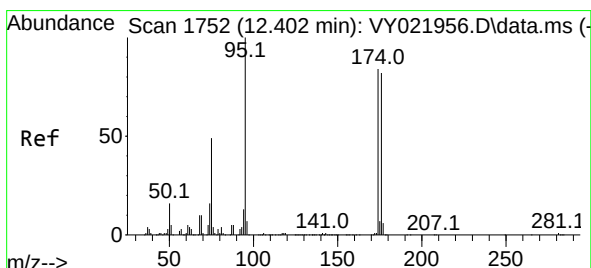
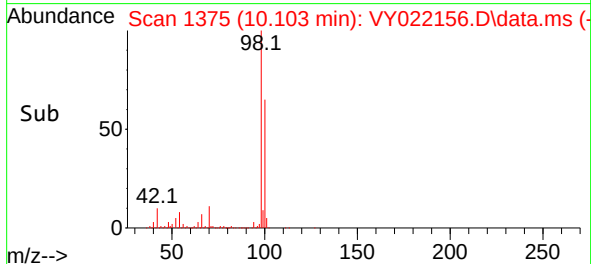
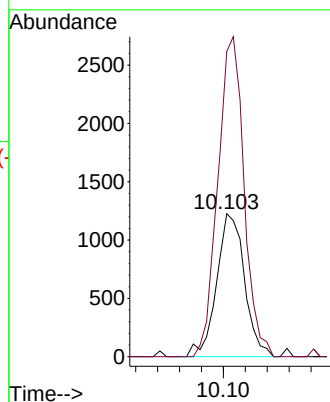
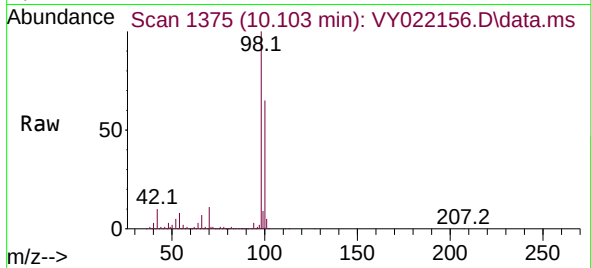




#51
4-Methyl-2-Pentanone
Concen: 1.419 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.103 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

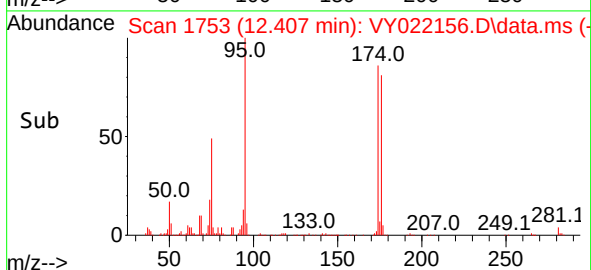
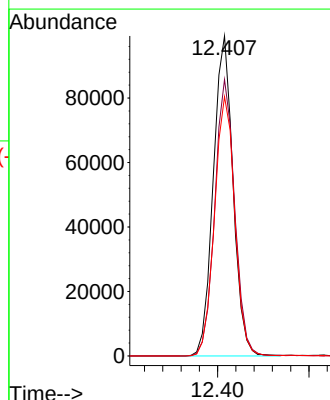
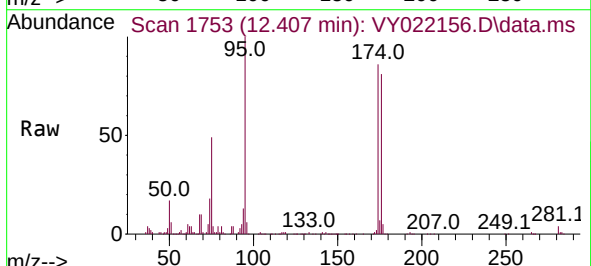
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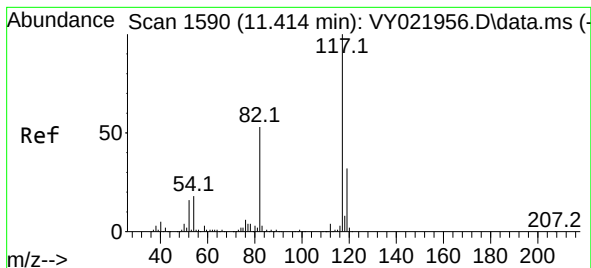
Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
58 210.6 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 37.308 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 95 Resp: 148871
Ion Ratio Lower Upper
95 100
174 87.4 0.0 179.0
176 83.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022156.D

Acq: 05 May 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

LOWER-WALL-PILE-B

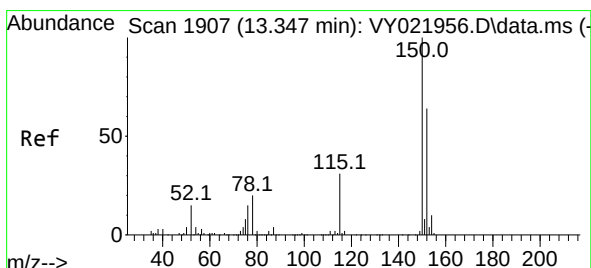
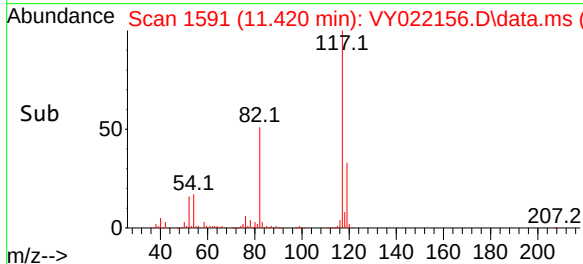
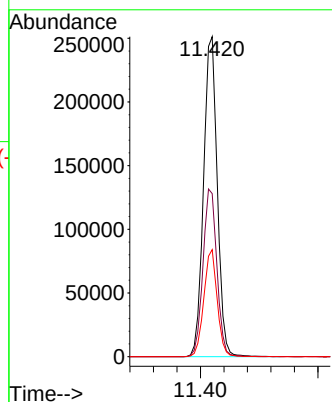
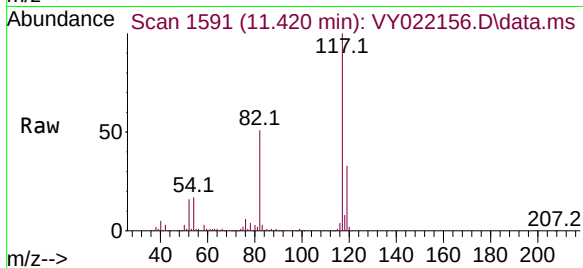
Tgt Ion:117 Resp: 407953

Ion Ratio Lower Upper

117 100

82 50.9 42.1 63.1

119 33.4 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: VY022156.D

Acq: 05 May 2025 13:58

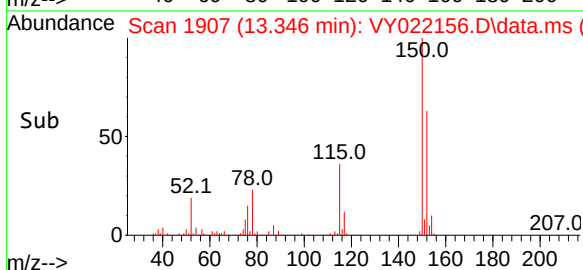
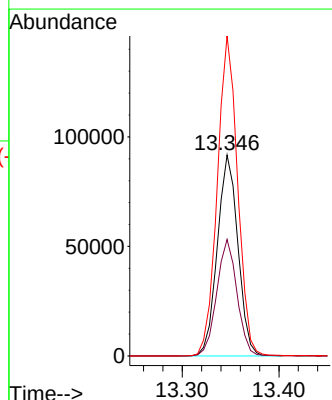
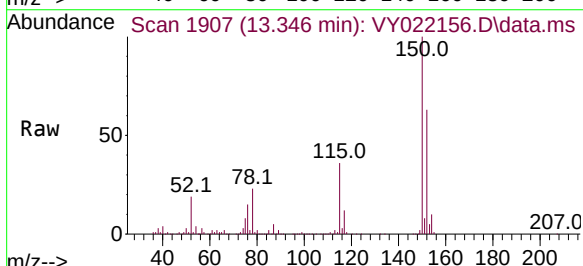
Tgt Ion:152 Resp: 135235

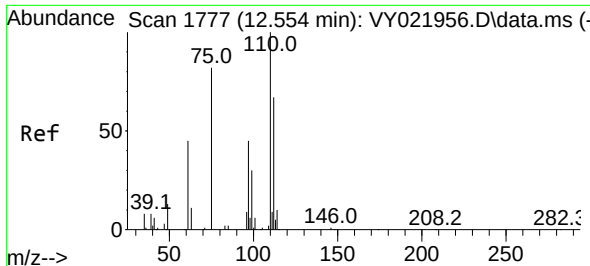
Ion Ratio Lower Upper

152 100

115 57.2 28.0 84.0

150 157.8 0.0 345.6

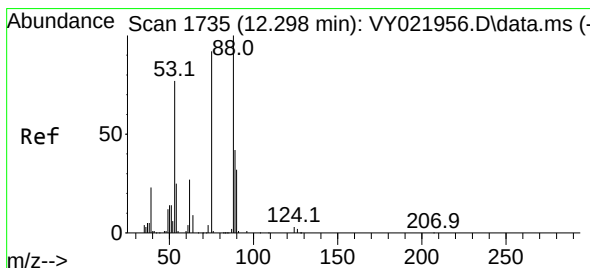
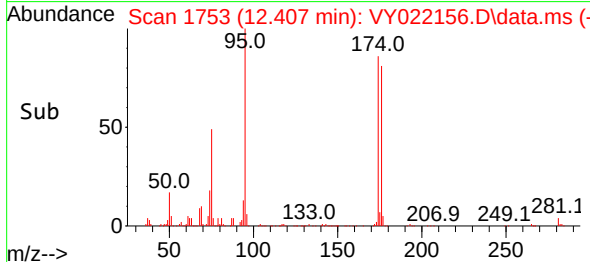
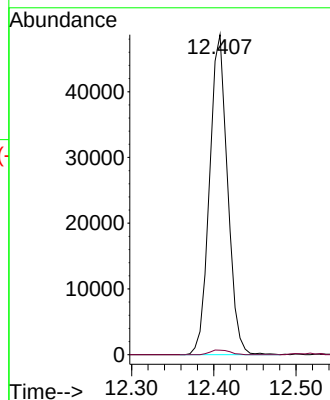
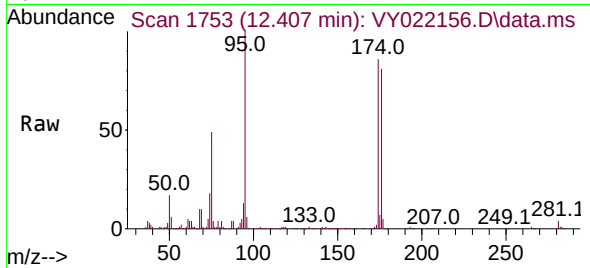




#76
1,2,3-Trichloropropane
Concen: 63.965 ug/l
RT: 12.407 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

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

Tgt Ion: 75 Resp: 74094
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.037 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022156.D
Acq: 05 May 2025 13:58

Tgt Ion: 75 Resp: 74094
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.1 37.2 55.8#

