

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022161.D
 Acq On : 05 May 2025 15:55
 Operator : SY/MD
 Sample : Q1936-08
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SMALL-PILE-D

Quant Time: May 06 05:22:31 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)

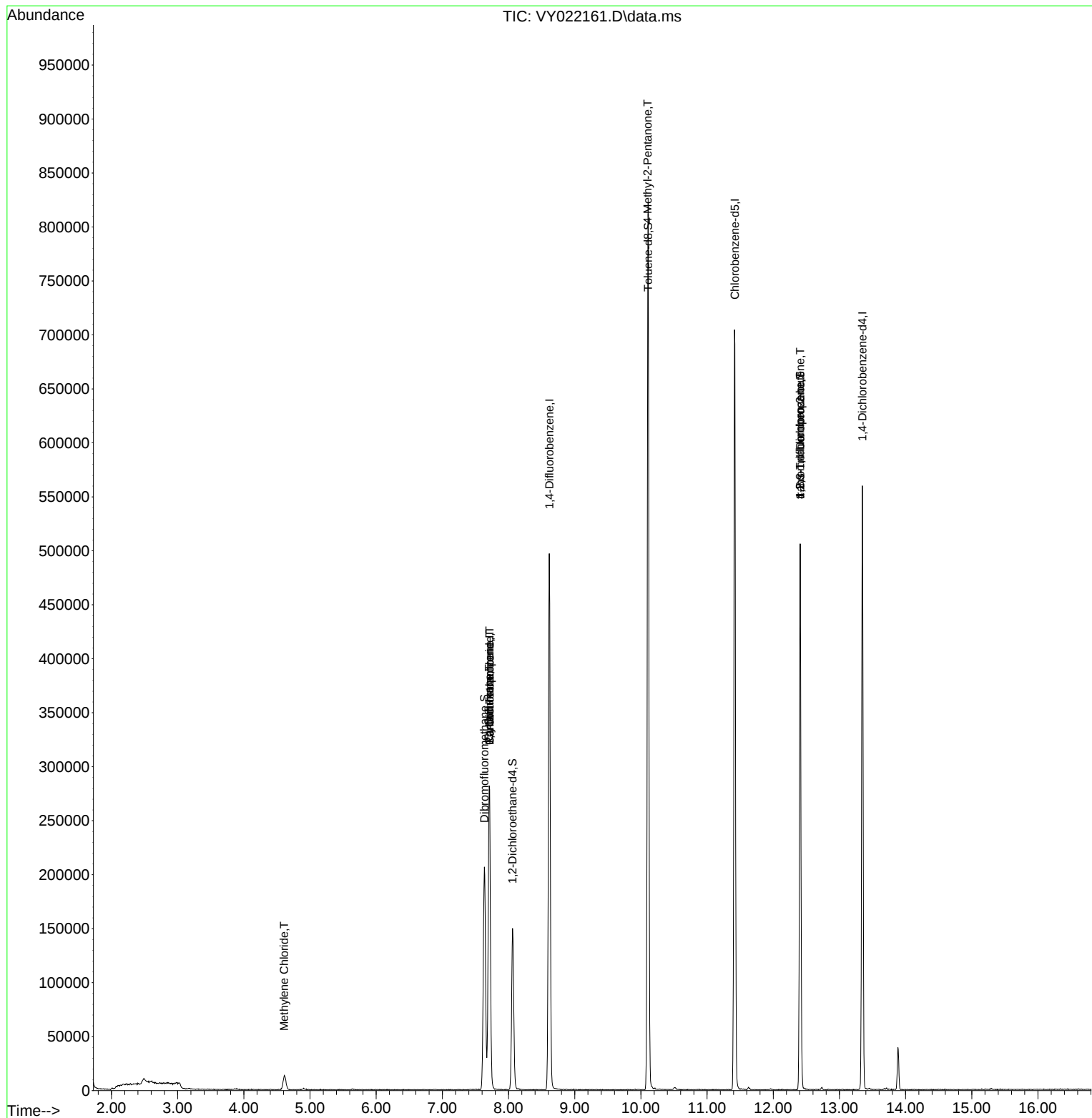
Internal Standards						
1) Pentafluorobenzene	7.713	168	221119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	435443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	389305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117585	57.571	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.140%
35) Dibromofluoromethane	7.634	113	147009	51.102	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.200%
50) Toluene-d8	10.109	98	535670	49.391	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.780%
62) 4-Bromofluorobenzene	12.408	95	146076	40.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.020%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1253	Below Cal		96
20) Methylene Chloride	4.610	84	10571	4.093	ug/l	97
31) Cyclohexane	7.707	56	4664	1.381	ug/l #	12
36) 1,1-Dichloropropene	7.713	75	17147	4.437	ug/l #	48
38) Carbon Tetrachloride	7.713	117	22288	4.827	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1979	1.416	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	72999	60.015	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	72999	144.525	ug/l #	16

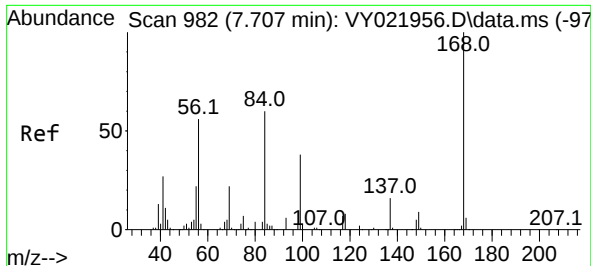
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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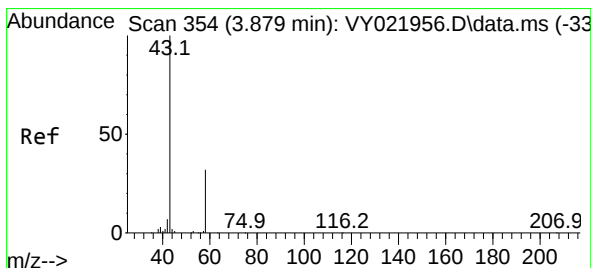
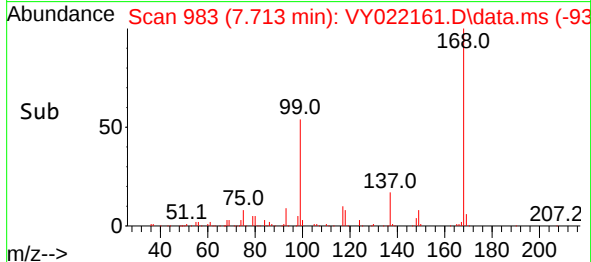
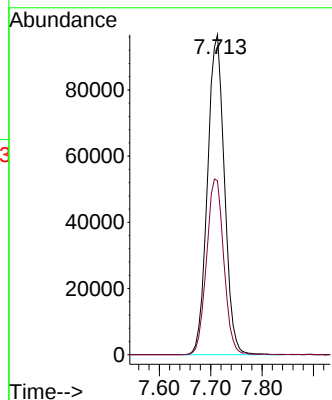
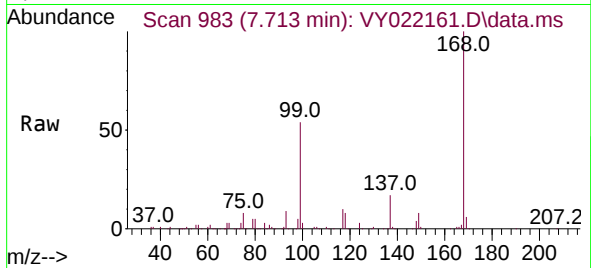




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

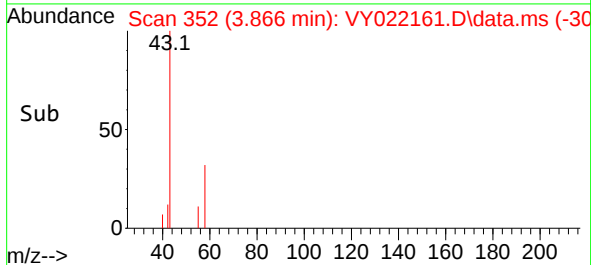
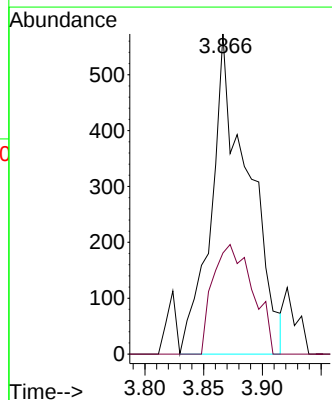
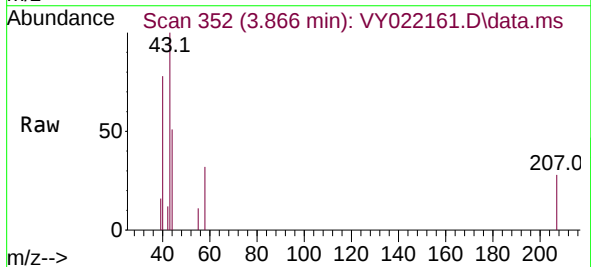
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-D

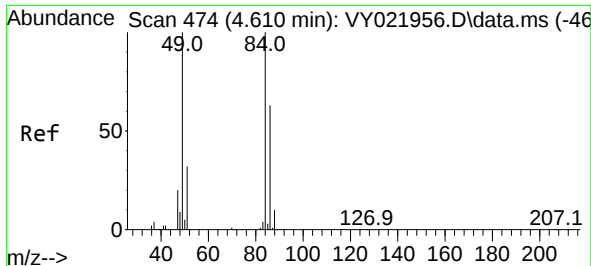
Tgt Ion:168 Resp: 221119
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
58 31.6 27.0 40.4

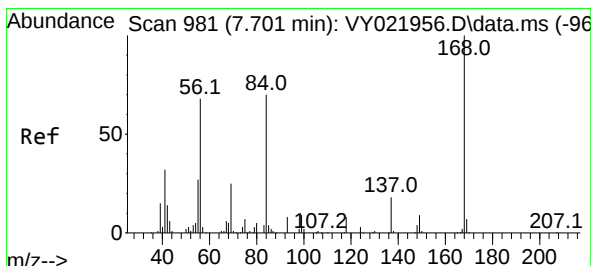
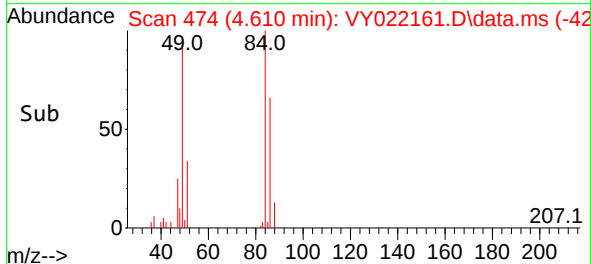
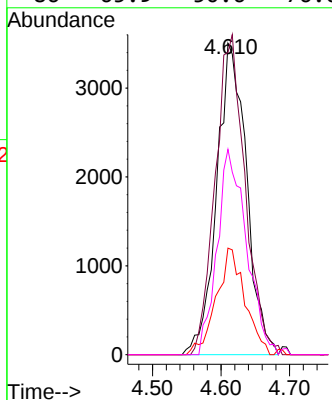
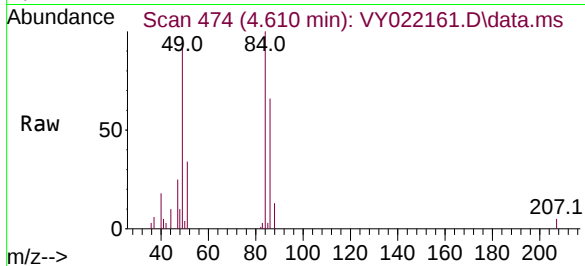




#20
Methylene Chloride
Concen: 4.093 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

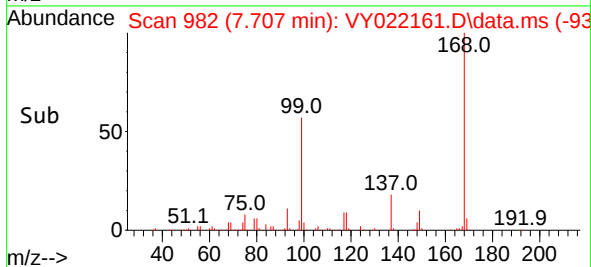
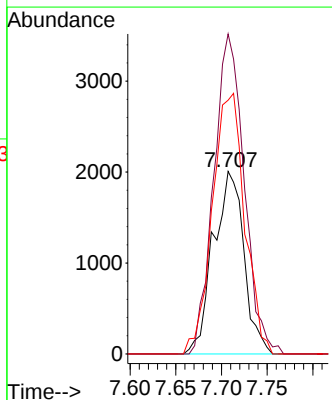
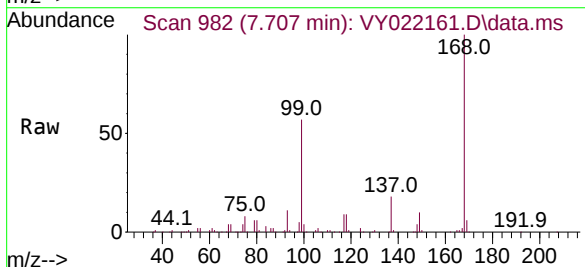
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-D

Tgt Ion:	84	Resp:	10571
Ion	Ratio	Lower	Upper
84	100		
49	97.1	79.9	119.9
51	34.2	25.4	38.0
86	65.9	50.6	76.0



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

Tgt Ion:	56	Resp:	4664
Ion	Ratio	Lower	Upper
56	100		
69	175.3	29.4	44.2#
84	139.0	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 57.571 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022161.D

Acq: 05 May 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

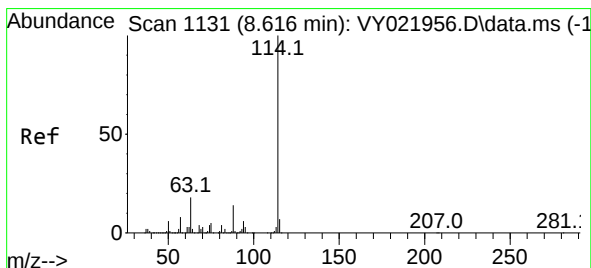
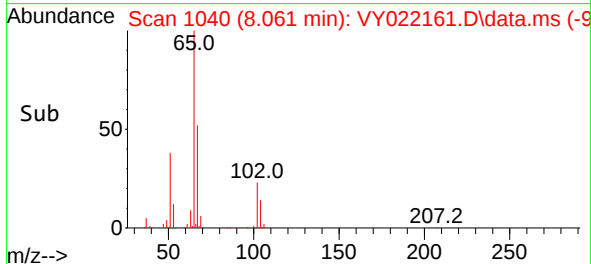
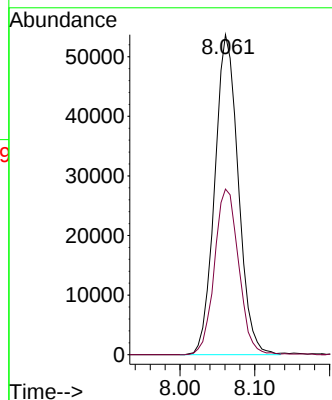
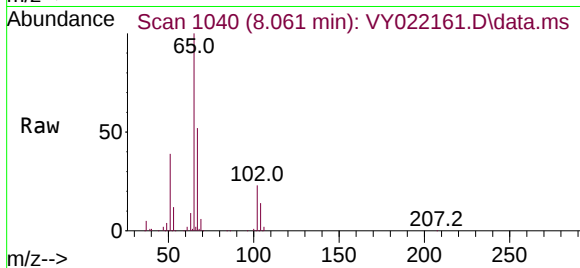
SMALL-PILE-D

Tgt Ion: 65 Resp: 117585

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: VY022161.D

Acq: 05 May 2025 15:55

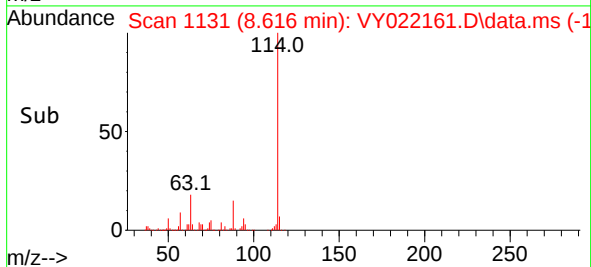
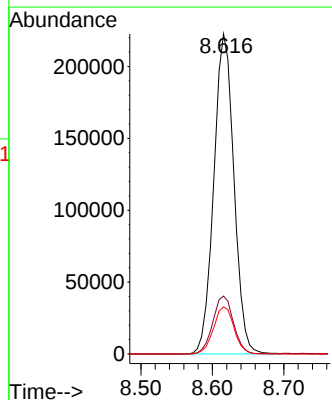
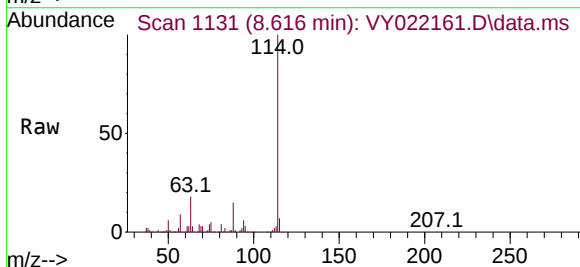
Tgt Ion: 114 Resp: 435443

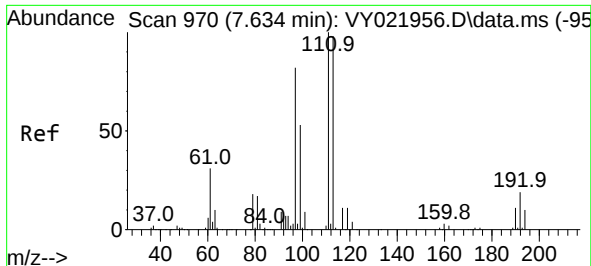
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

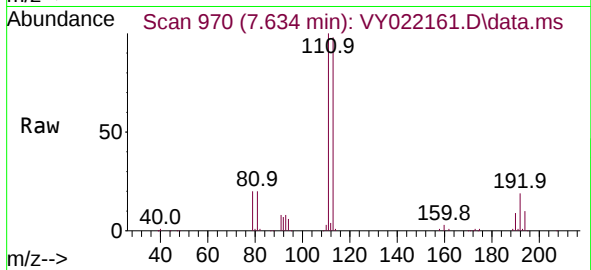
88 14.7 0.0 28.2



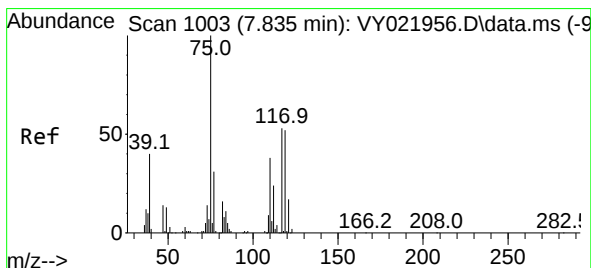
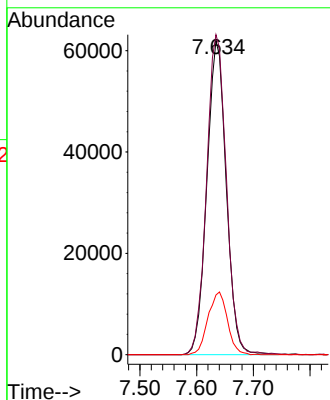
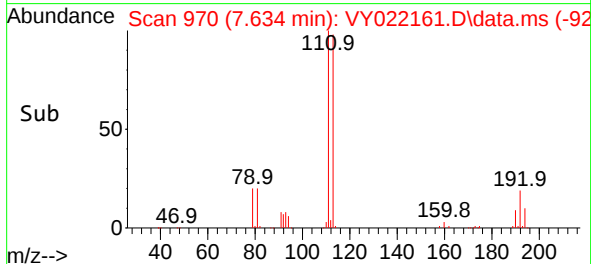


#35
Dibromofluoromethane
Concen: 51.102 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

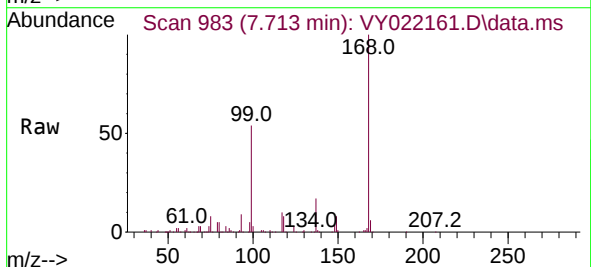
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-D



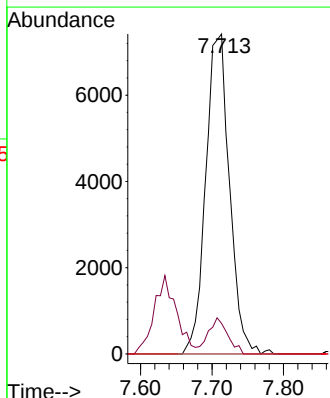
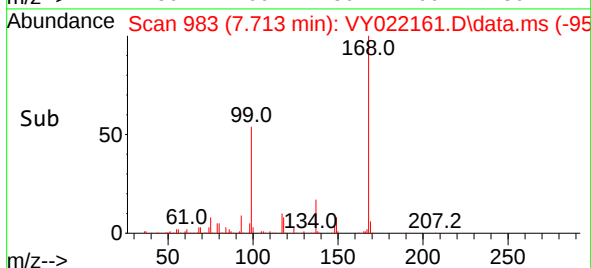
Tgt Ion:113 Resp: 147009
Ion Ratio Lower Upper
113 100
111 104.3 81.8 122.8
192 20.1 15.6 23.4

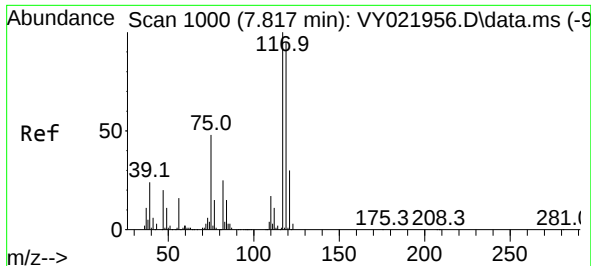


#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55



Tgt Ion: 75 Resp: 17147
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.5 38.3#

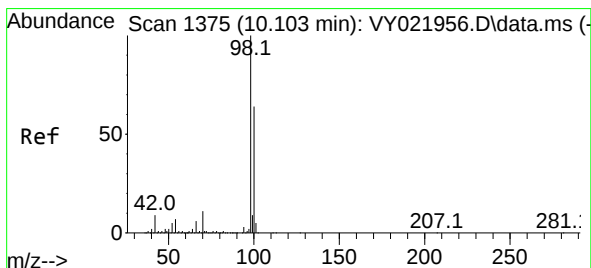
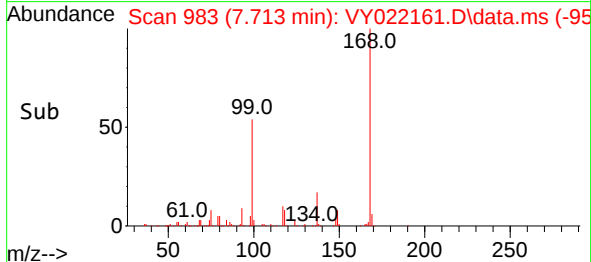
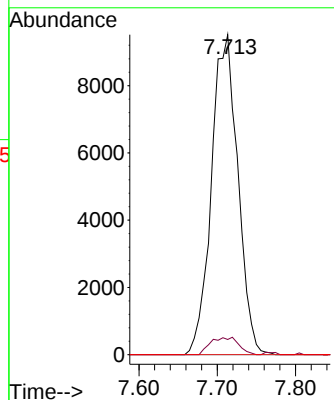
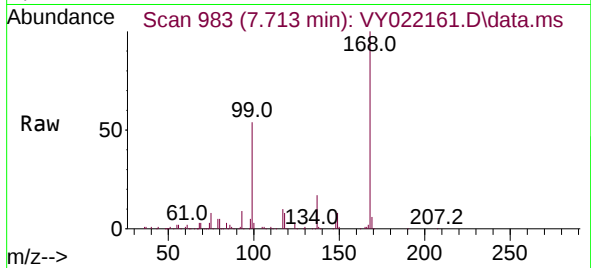




#38
Carbon Tetrachloride
Concen: 4.827 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

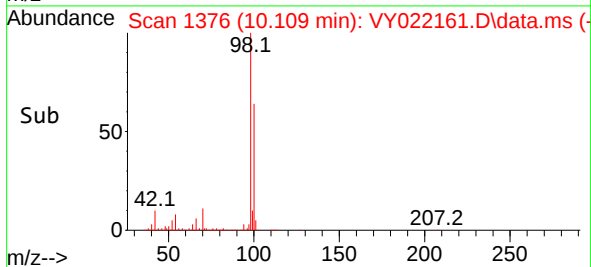
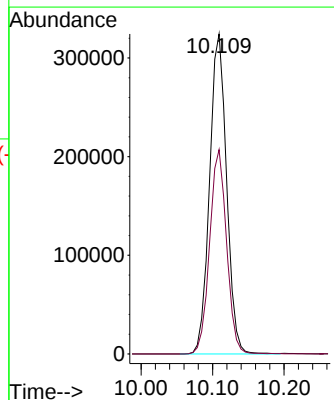
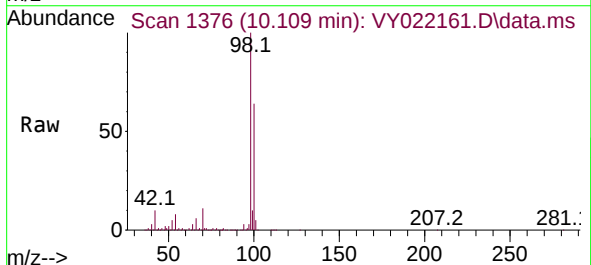
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-D

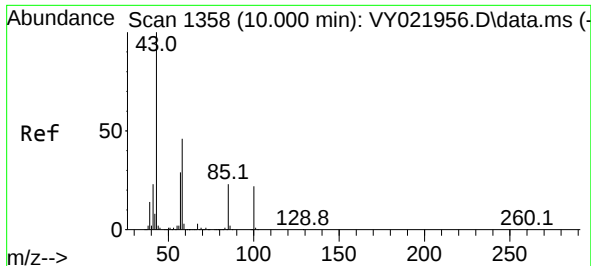
Tgt Ion:117 Resp: 22288
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.391 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

Tgt Ion: 98 Resp: 535670
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

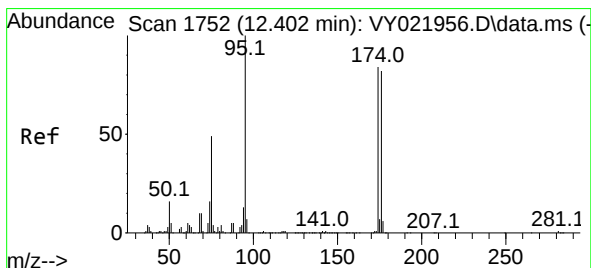
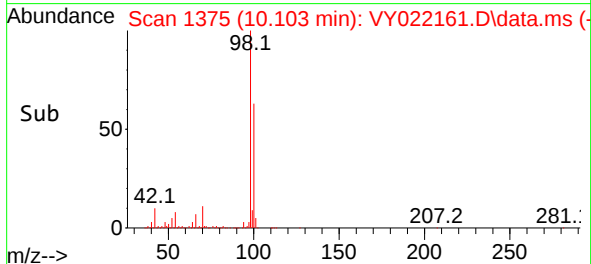
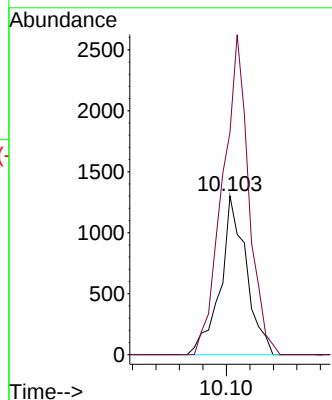
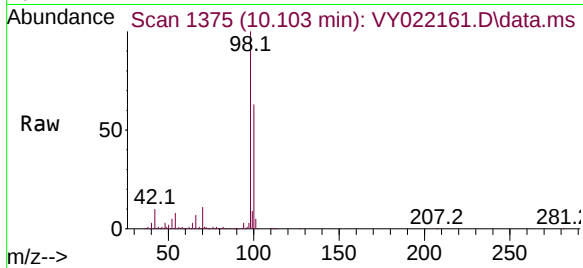




#51
4-Methyl-2-Pentanone
Concen: 1.416 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

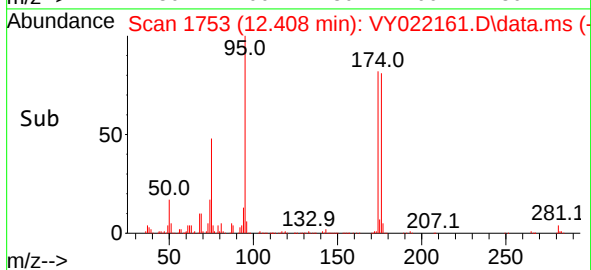
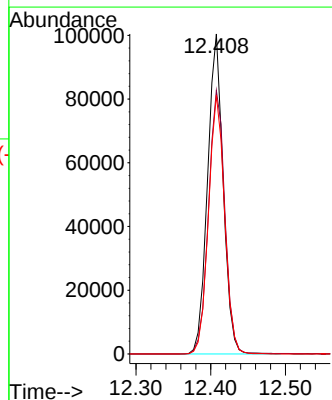
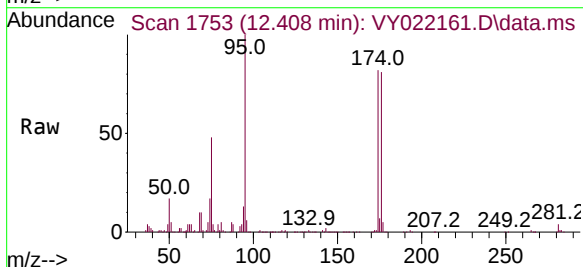
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-D

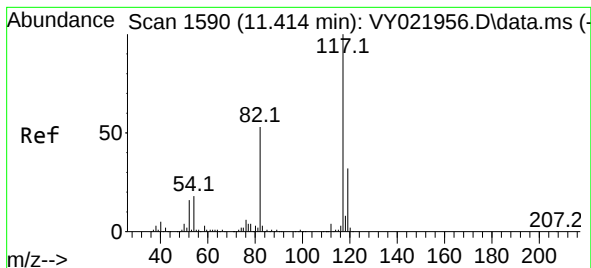
Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
58 204.9 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 40.010 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

Tgt Ion: 95 Resp: 146076
Ion Ratio Lower Upper
95 100
174 86.2 0.0 179.0
176 83.0 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: VY022161.D

Acq: 05 May 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

SMALL-PILE-D

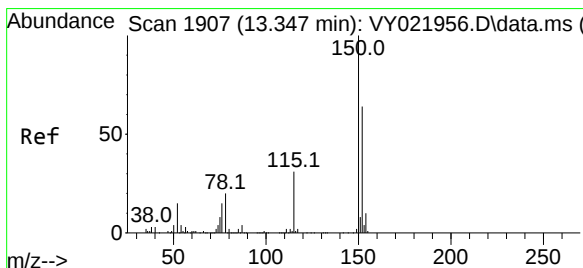
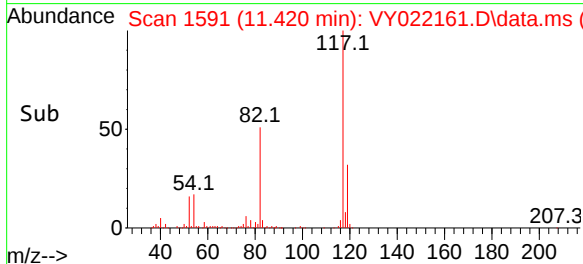
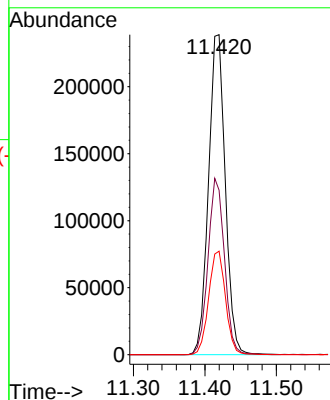
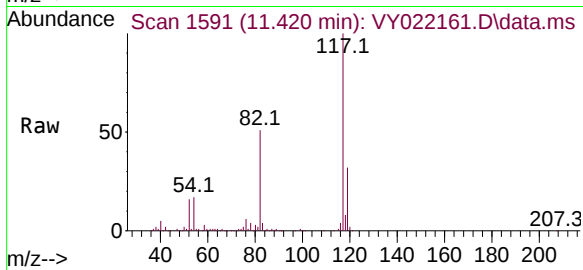
Tgt Ion:117 Resp: 389305

Ion Ratio Lower Upper

117 100

82 51.4 42.1 63.1

119 32.3 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: VY022161.D

Acq: 05 May 2025 15:55

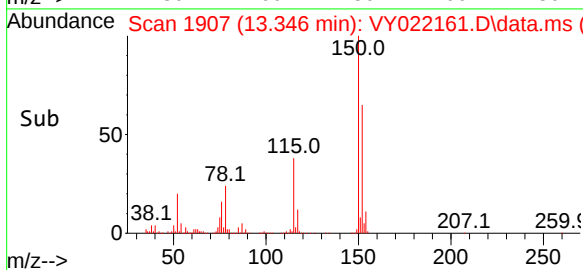
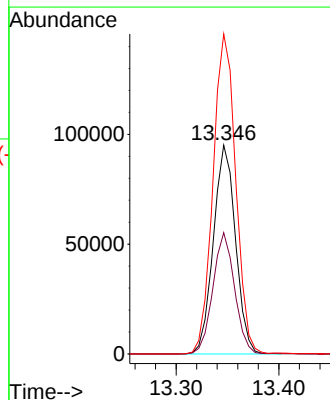
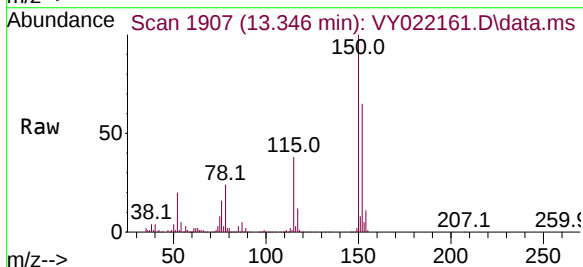
Tgt Ion:152 Resp: 142005

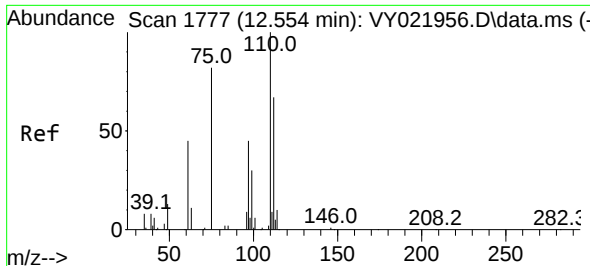
Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

150 157.2 0.0 345.6

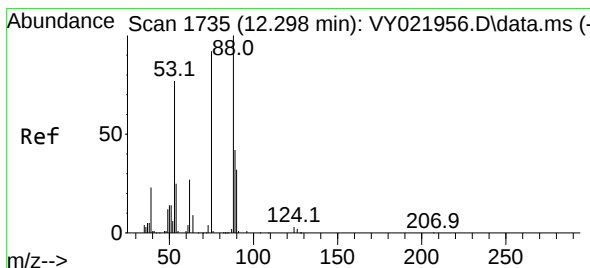
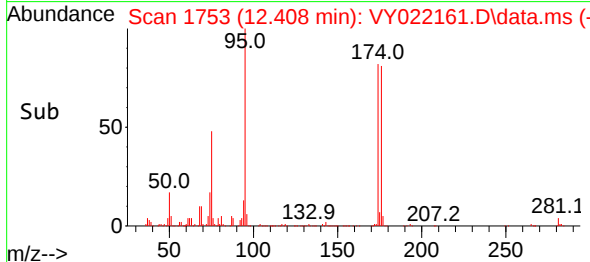
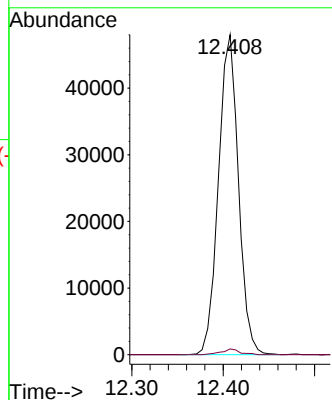
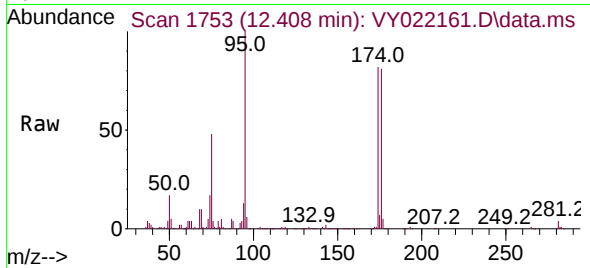




#76
1,2,3-Trichloropropane
Concen: 60.015 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-D

Tgt Ion: 75 Resp: 72999
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.525 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022161.D
Acq: 05 May 2025 15:55

Tgt Ion: 75 Resp: 72999
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.1 37.2 55.8#

