

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021968.D
 Acq On : 23 Apr 2025 13:53
 Operator : SY/MD
 Sample : Q1850-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CONCRETE-PILE-N-C-LOT

Quant Time: Apr 24 03:45:51 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)

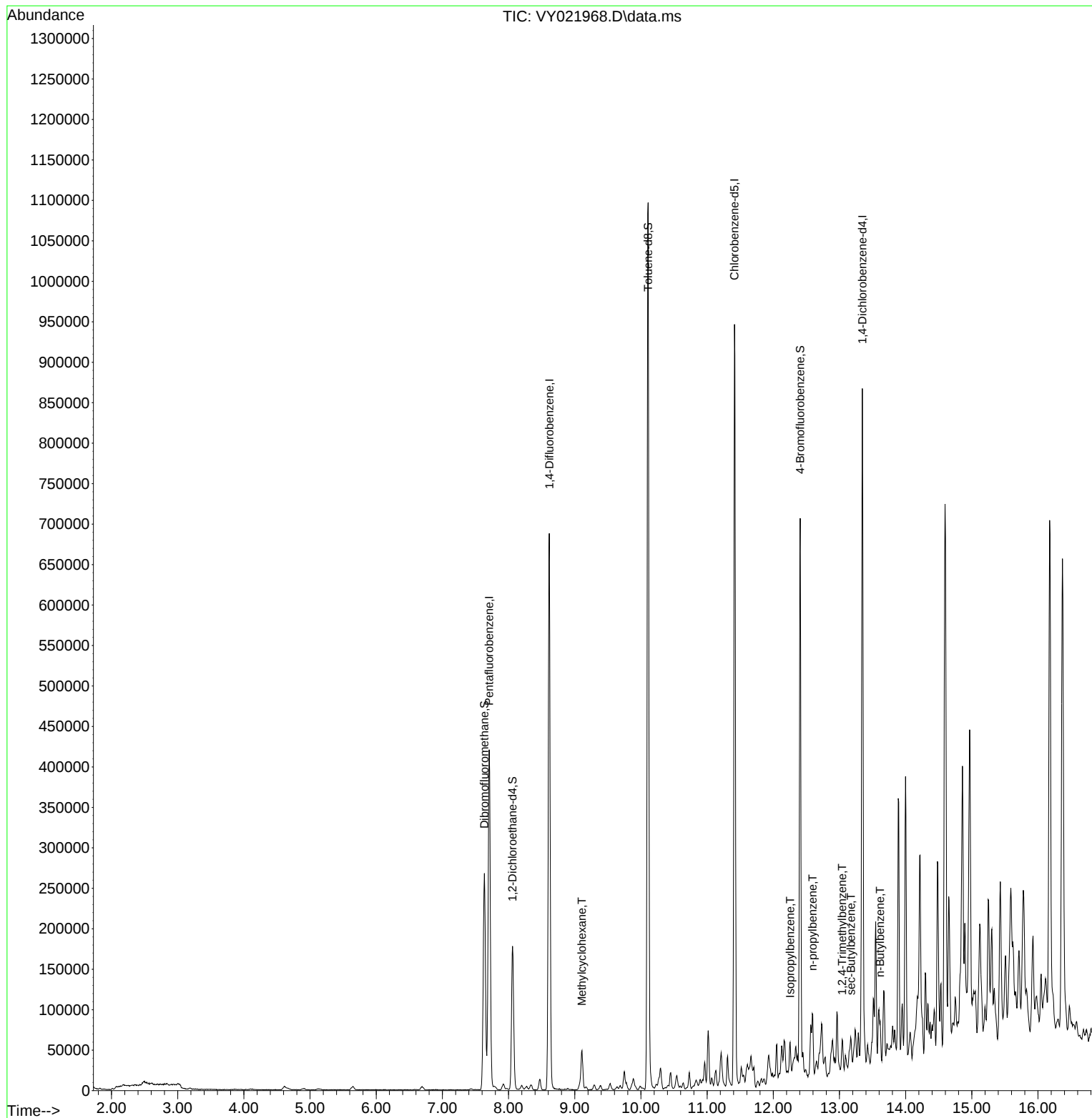
Internal Standards						
1) Pentafluorobenzene	7.707	168	323628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	598967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	529863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	214516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141056	47.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.380%
35) Dibromofluoromethane	7.634	113	188708	47.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.380%
50) Toluene-d8	10.109	98	731836	49.056	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.407	95	216760	43.161	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.320%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.109	83	18540	2.772	ug/l	93
73) Isopropylbenzene	12.255	105	24660	1.721	ug/l	99
78) n-propylbenzene	12.596	91	57298	3.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	18176	1.539	ug/l	99
85) sec-Butylbenzene	13.176	105	20540	1.325	ug/l	78
89) n-Butylbenzene	13.614	91	28394	2.414	ug/l #	71

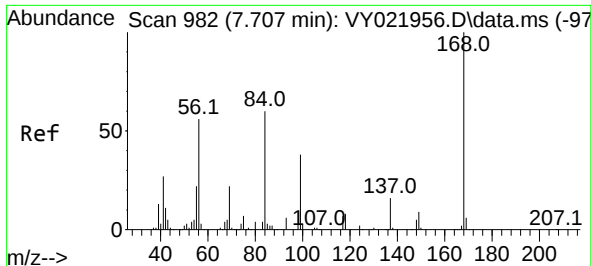
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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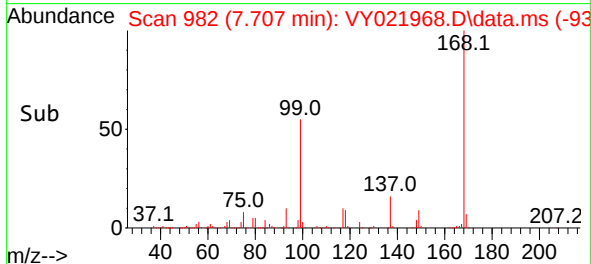
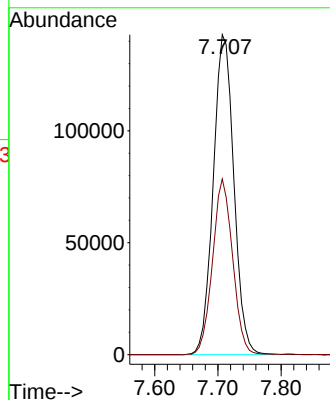
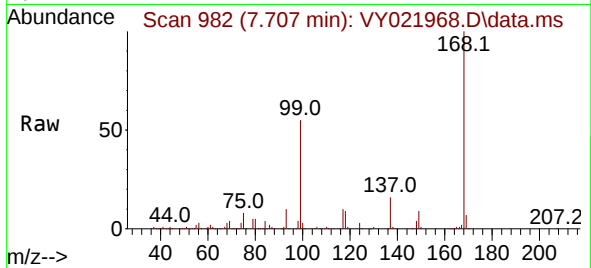




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

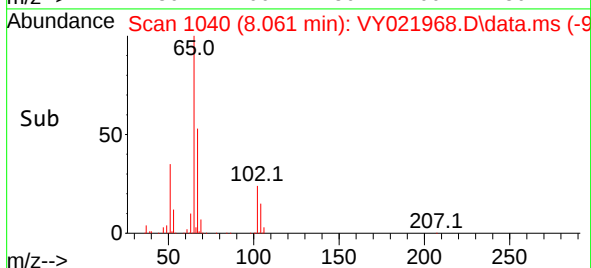
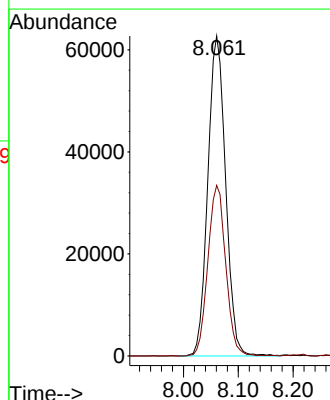
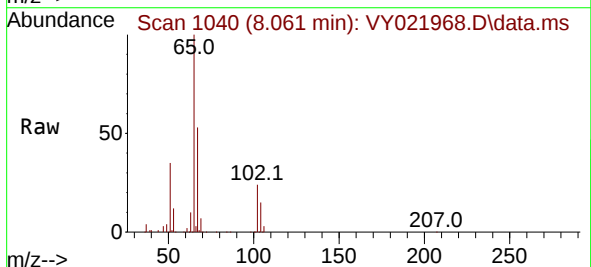
Instrument :
MSVOA_Y
ClientSampleId :
CONCRETE-PILE-N-C-LOT

Tgt Ion:168 Resp: 323628
Ion Ratio Lower Upper
168 100
99 54.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 47.187 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 65 Resp: 141056
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

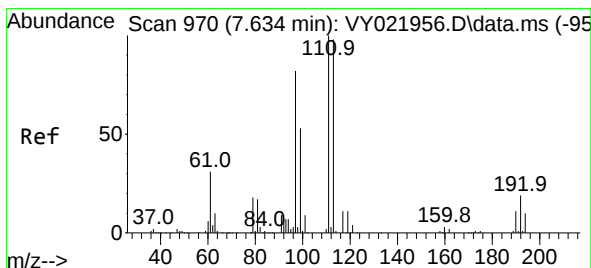
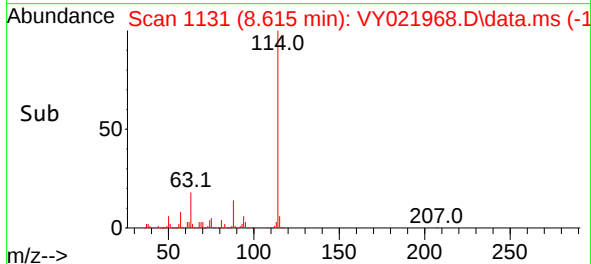
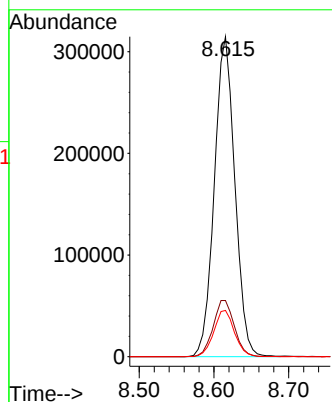
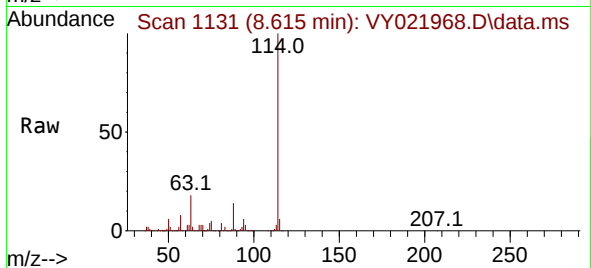




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

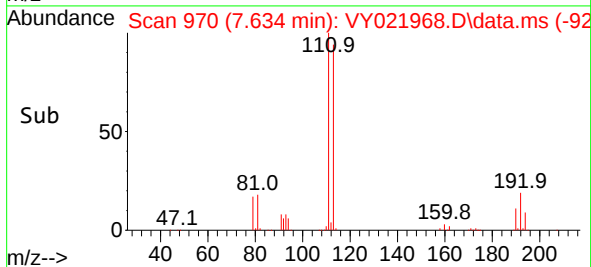
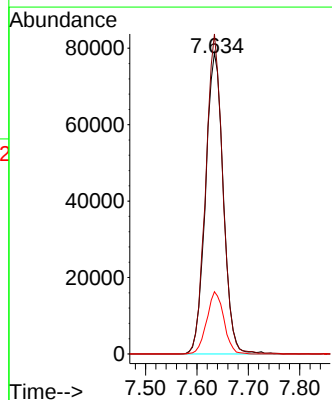
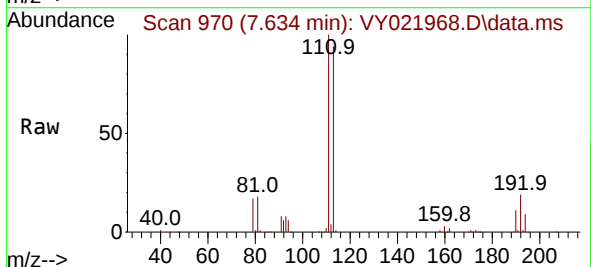
Instrument :
MSVOA_Y
ClientSampleId :
CONCRETE-PILE-N-C-LOT

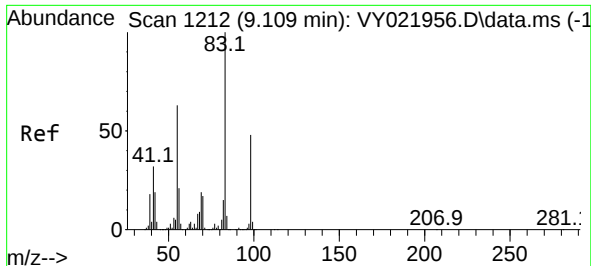
Tgt Ion:114 Resp: 598967
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 47.688 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion:113 Resp: 188708
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 20.0 15.6 23.4





#39

Methylcyclohexane

Concen: 2.772 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

CONCRETE-PILE-N-C-LOT

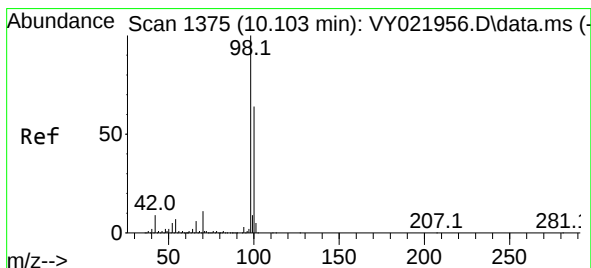
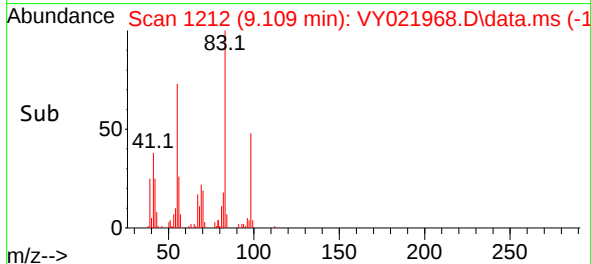
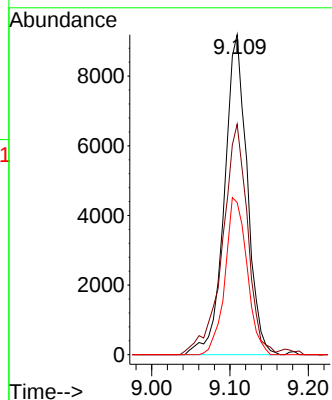
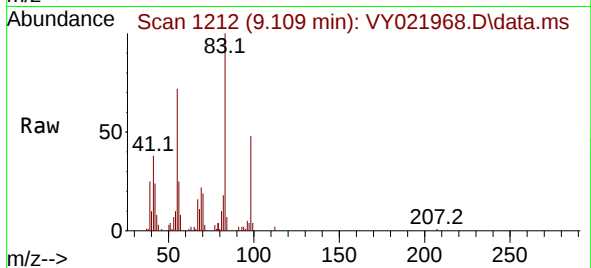
Tgt Ion: 83 Resp: 18540

Ion Ratio Lower Upper

83 100

55 72.0 50.6 75.8

98 47.6 38.6 58.0



#50

Toluene-d8

Concen: 49.056 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY021968.D

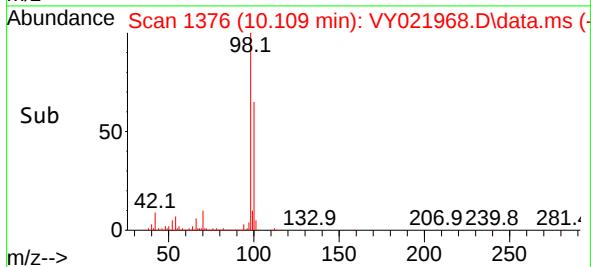
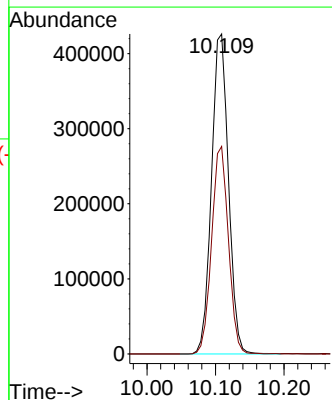
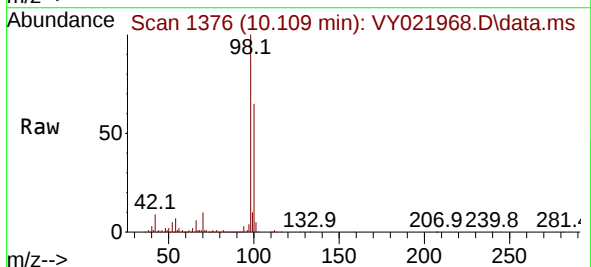
Acq: 23 Apr 2025 13:53

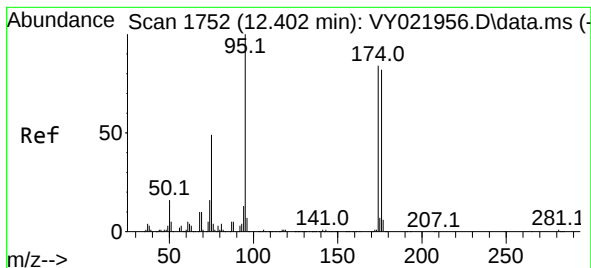
Tgt Ion: 98 Resp: 731836

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4

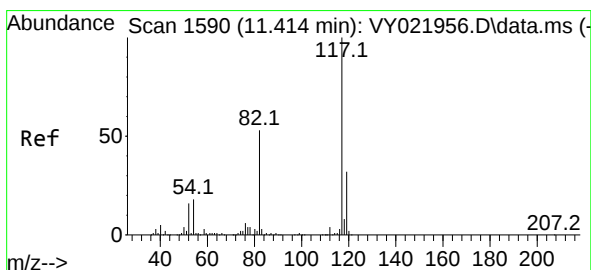
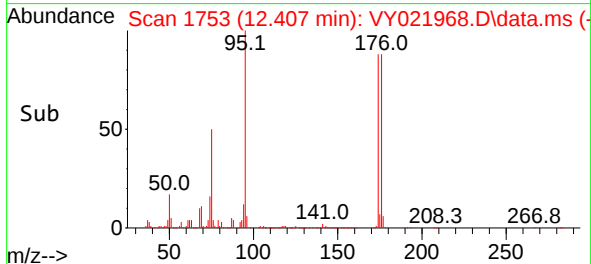
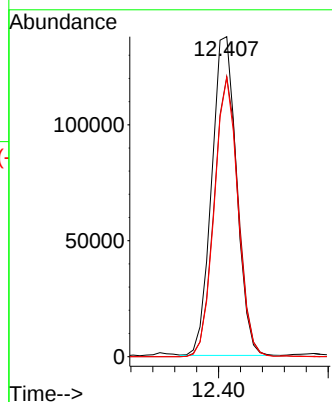
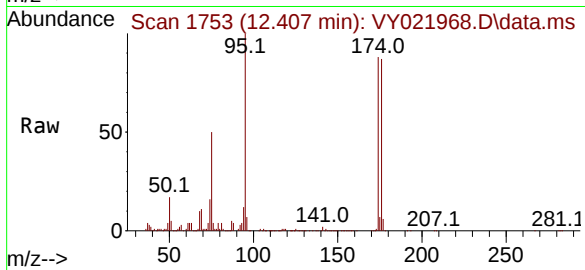




#62
4-Bromofluorobenzene
Concen: 43.161 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

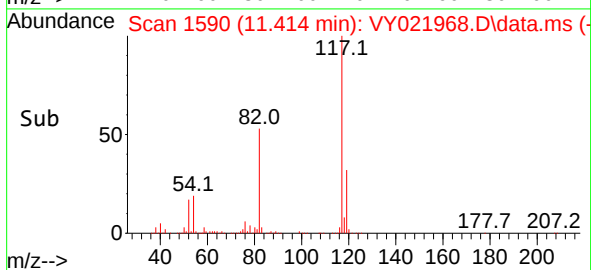
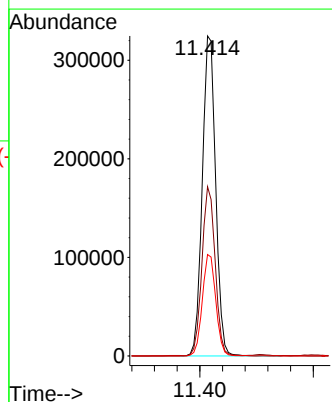
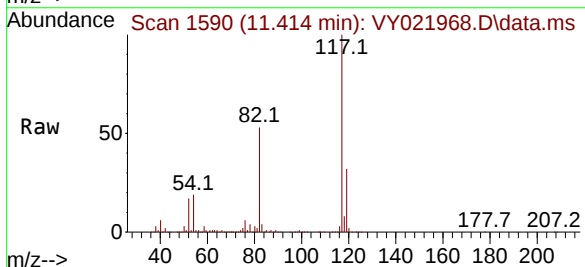
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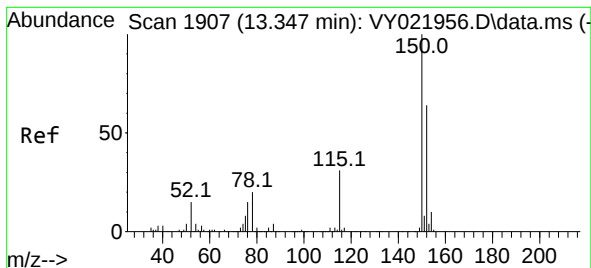
Tgt Ion: 95 Resp: 216760
Ion Ratio Lower Upper
95 100
174 85.7 0.0 179.0
176 83.3 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 117 Resp: 529863
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 31.7 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: VY021968.D

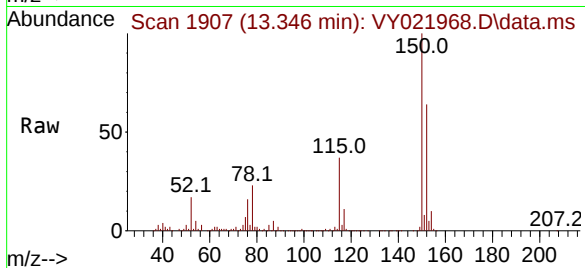
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Instrument :

MSVOA_Y

ClientSampleId :

CONCRETE-PILE-N-C-LOT



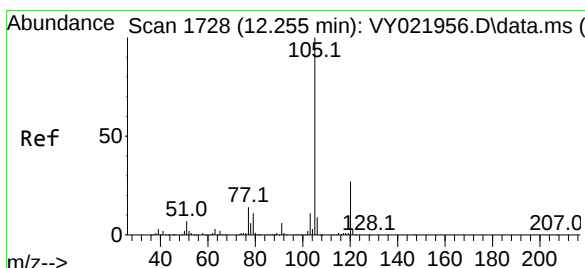
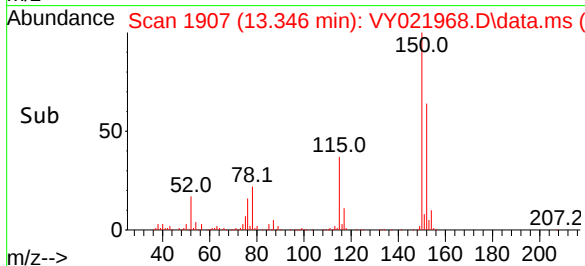
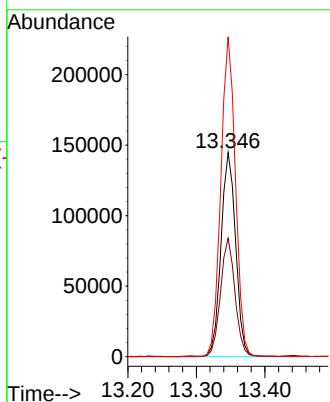
Tgt Ion:152 Resp: 214516

Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 156.3 0.0 345.6



#73

Isopropylbenzene

Concen: 1.721 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY021968.D

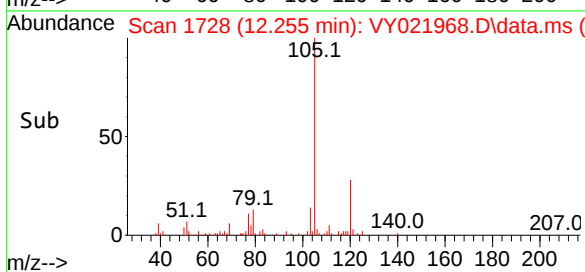
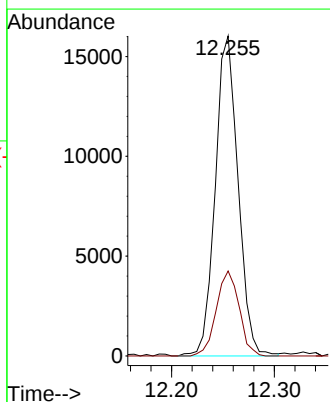
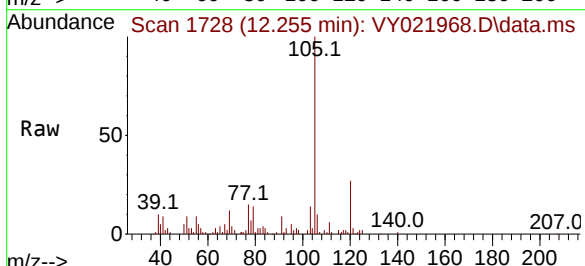
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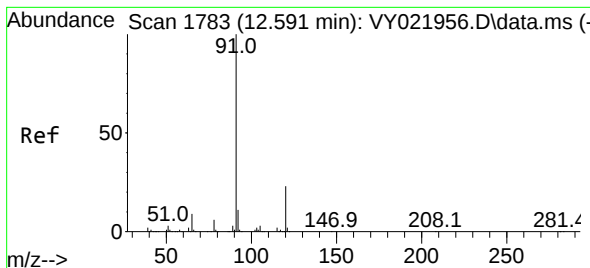
Tgt Ion:105 Resp: 24660

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5





#78

n-propylbenzene

Concen: 3.357 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

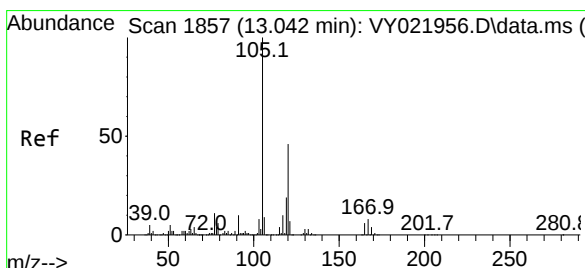
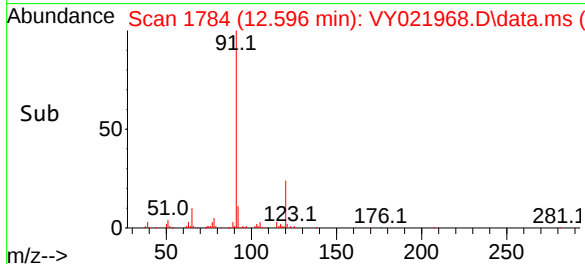
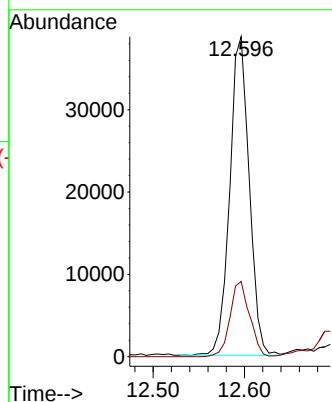
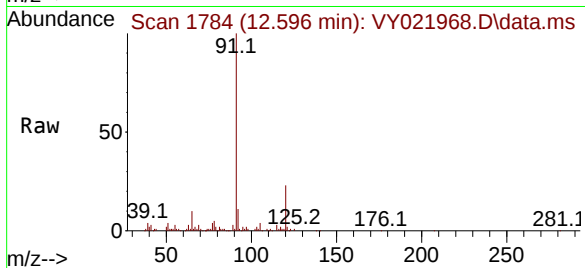
CONCRETE-PILE-N-C-LOT

Tgt Ion: 91 Resp: 57298

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.5



#84

1,2,4-Trimethylbenzene

Concen: 1.539 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY021968.D

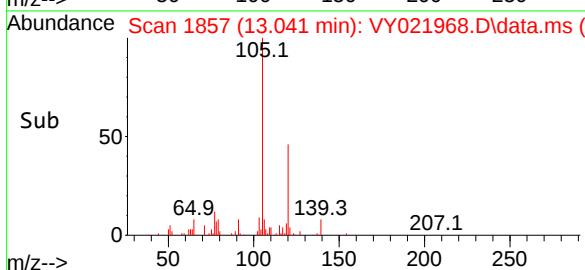
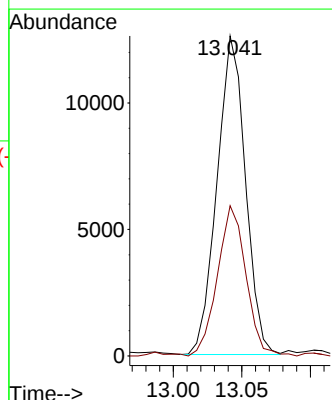
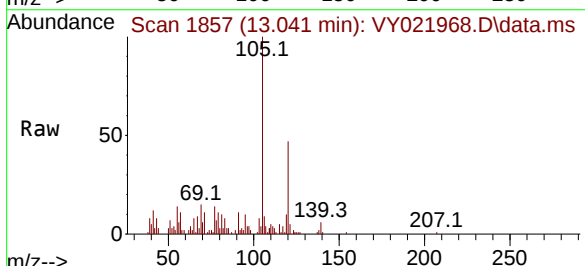
Acq: 23 Apr 2025 13:53

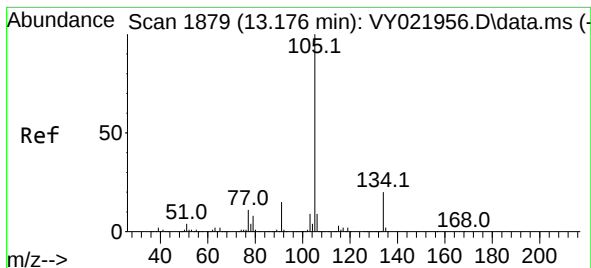
Tgt Ion: 105 Resp: 18176

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





#85

sec-Butylbenzene

Concen: 1.325 ug/l

RT: 13.176 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

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ClientSampleId :

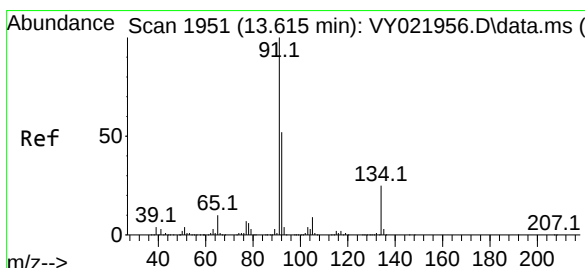
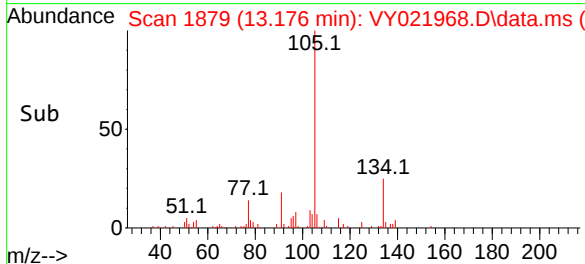
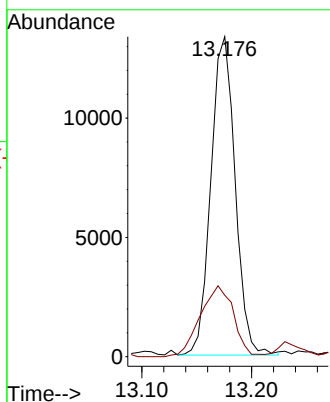
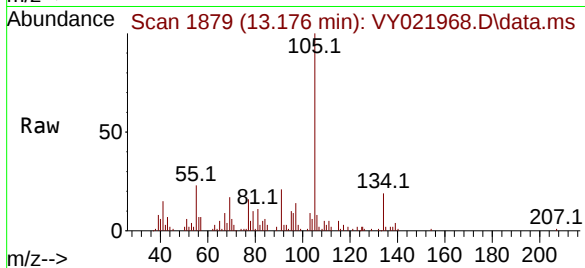
CONCRETE-PILE-N-C-LOT

Tgt Ion:105 Resp: 20540

Ion Ratio Lower Upper

105 100

134 30.7 10.3 30.9



#89

n-Butylbenzene

Concen: 2.414 ug/l

RT: 13.614 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Tgt Ion: 91 Resp: 28394

Ion Ratio Lower Upper

91 100

92 47.3 26.5 79.5

134 63.2 13.4 40.1#

