

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078420.D
 Acq On : 14 Feb 2024 17:58
 Operator : RP/MD
 Sample : P1464-03
 Misc : 3.67G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PN-3(SMALL-STOCK-PILE)

Quant Time: Feb 15 03:43:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

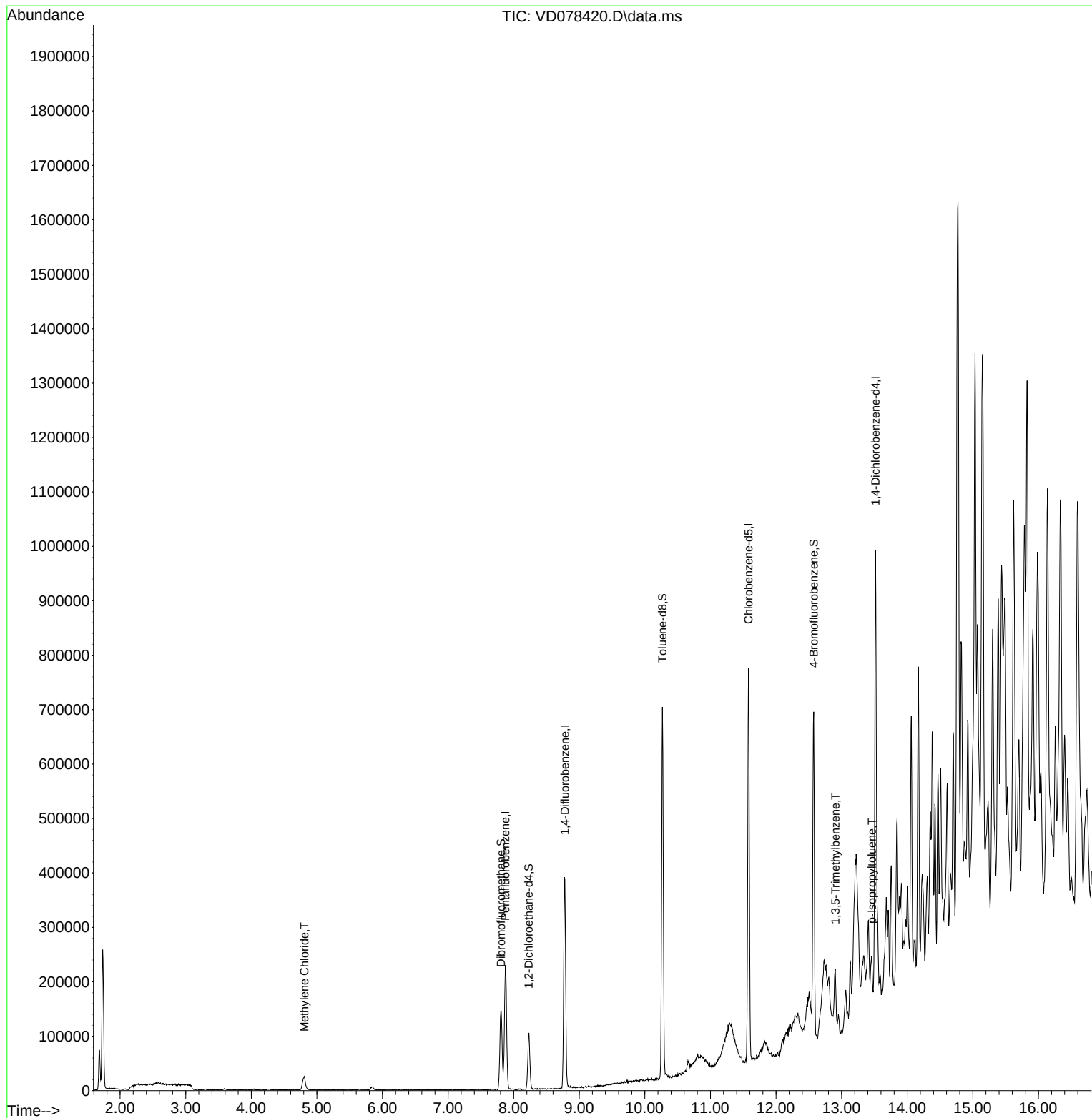
Internal Standards						
1) Pentafluorobenzene	7.875	168	182459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	361217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	429628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	232681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77721	39.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.800%
35) Dibromofluoromethane	7.810	113	107786	46.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.960%
50) Toluene-d8	10.269	98	481016	52.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.820%
62) 4-Bromofluorobenzene	12.575	95	187867	70.335	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	140.660%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.810	84	19907	6.201	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	31073	2.395	ug/l	98
86) p-Isopropyltoluene	13.463	119	27869	1.928	ug/l	94

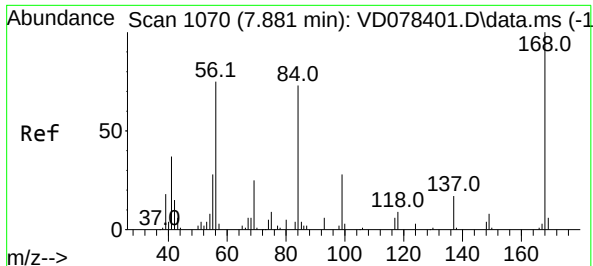
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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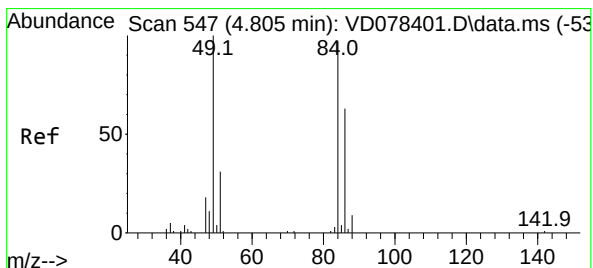
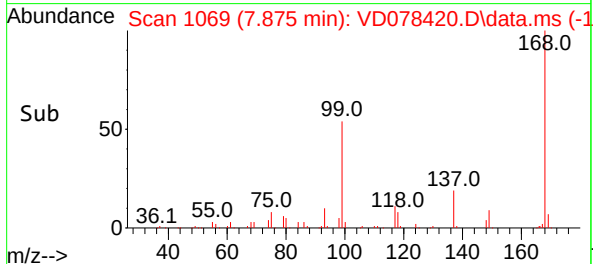
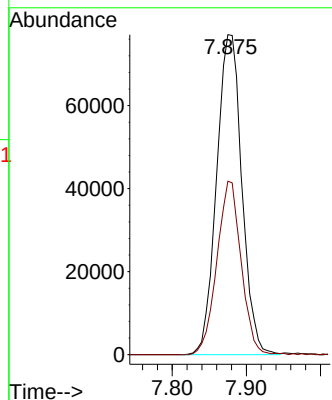
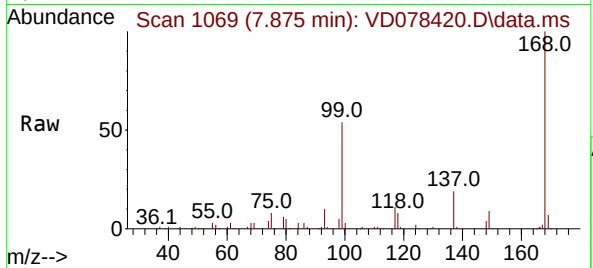




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

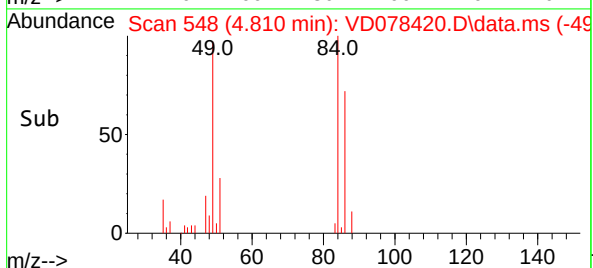
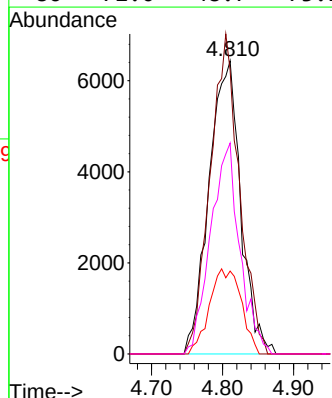
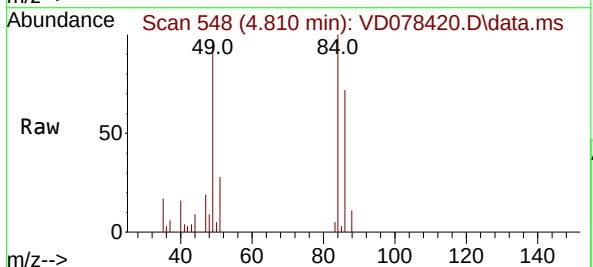
Instrument :
MSVOA_D
ClientSampleId :
PN-3(SMALL-STOCK-PILE)

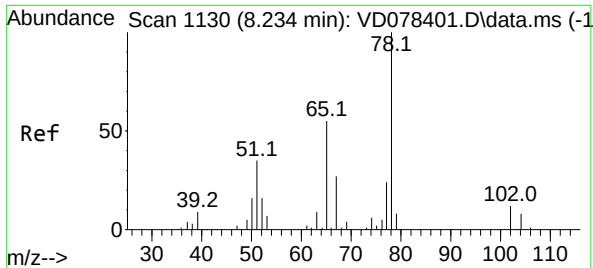
Tgt Ion:168 Resp: 182459
Ion Ratio Lower Upper
168 100
99 54.2 36.7 55.1



#20
Methylene Chloride
Concen: 6.201 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Tgt Ion: 84 Resp: 19907
Ion Ratio Lower Upper
84 100
49 96.8 71.4 107.2
51 28.3 24.5 36.7
86 72.0 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 39.396 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

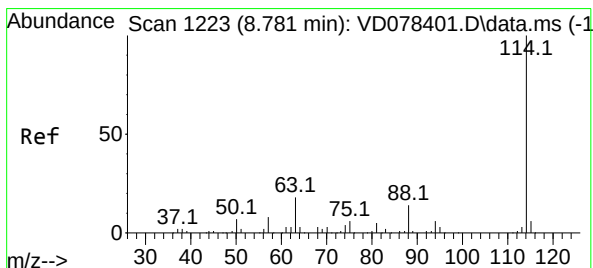
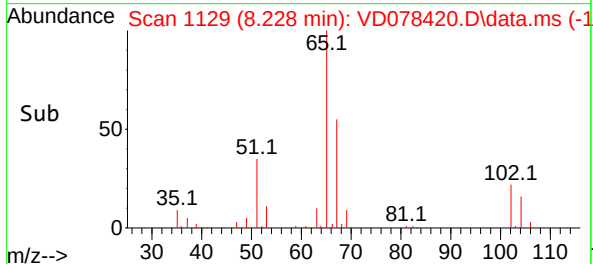
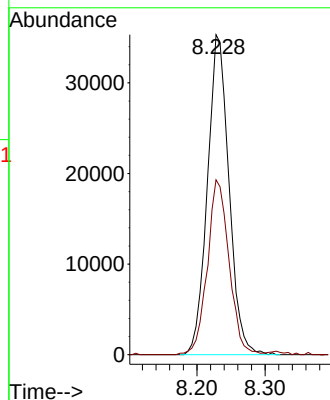
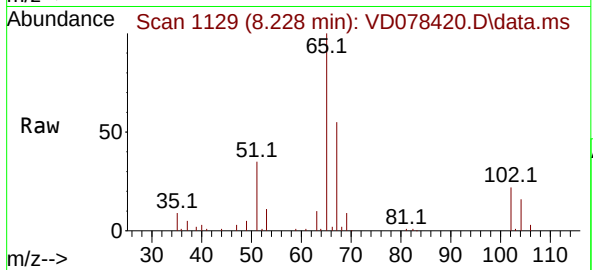
PN-3(SMALL-STOCK-PILE)

Tgt Ion: 65 Resp: 77721

Ion Ratio Lower Upper

65 100

67 55.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

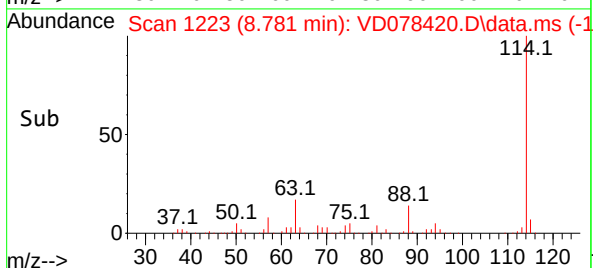
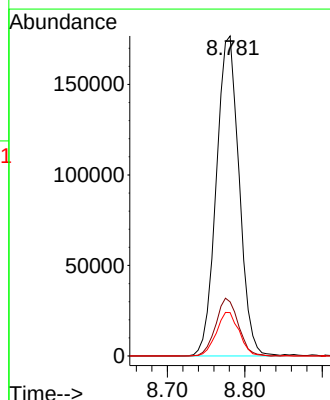
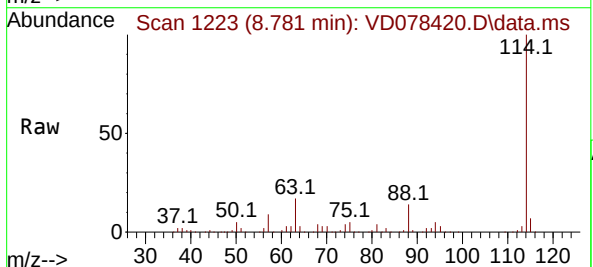
Tgt Ion:114 Resp: 361217

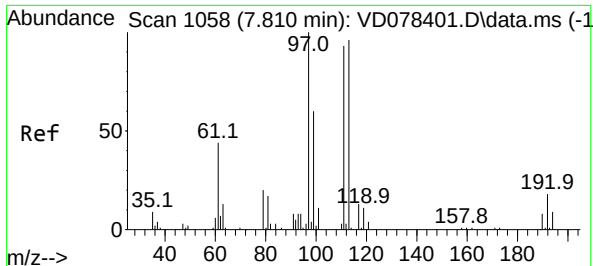
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 13.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.975 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

PN-3(SMALL-STOCK-PILE)

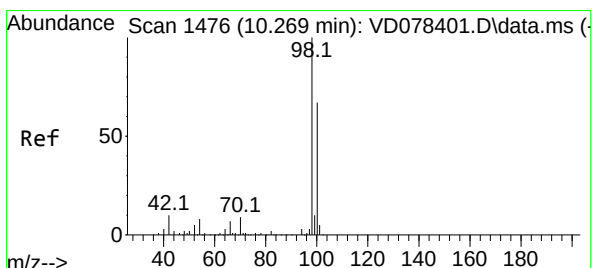
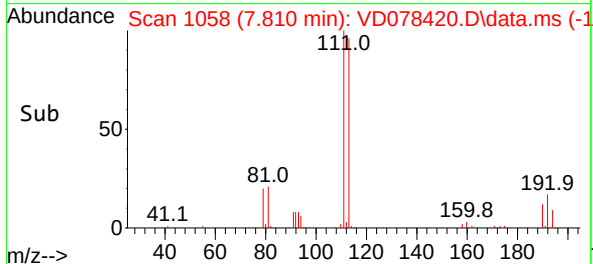
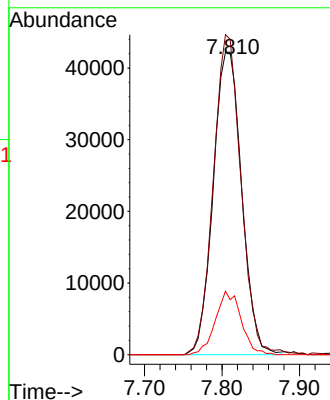
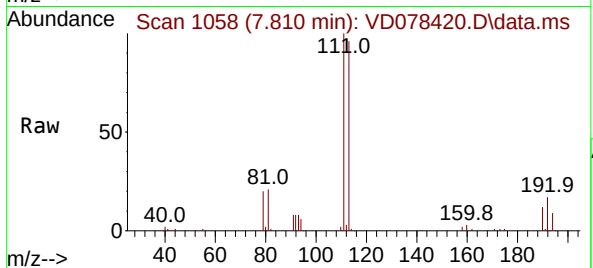
Tgt Ion:113 Resp: 107786

Ion Ratio Lower Upper

113 100

111 102.8 84.7 127.1

192 19.0 16.8 25.2



#50

Toluene-d8

Concen: 52.406 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078420.D

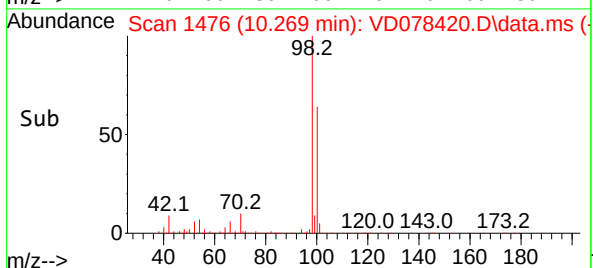
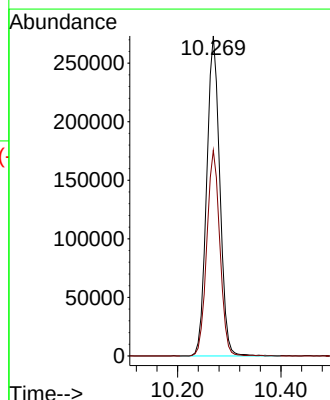
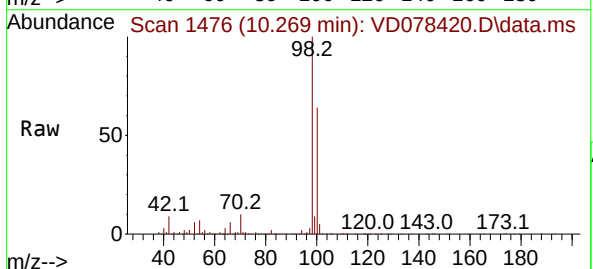
Acq: 14 Feb 2024 17:58

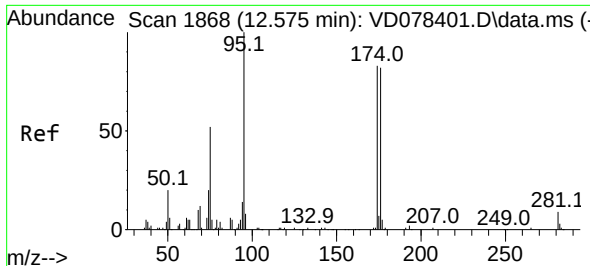
Tgt Ion: 98 Resp: 481016

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

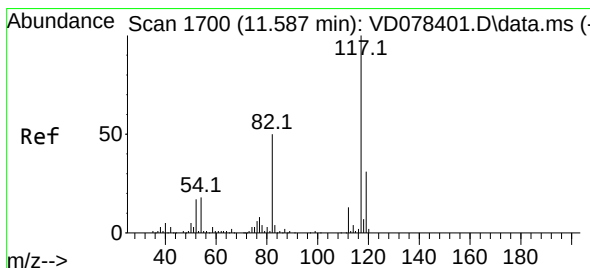
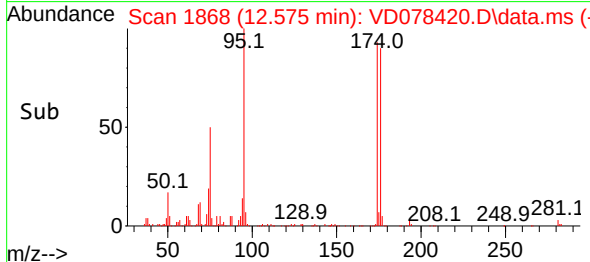
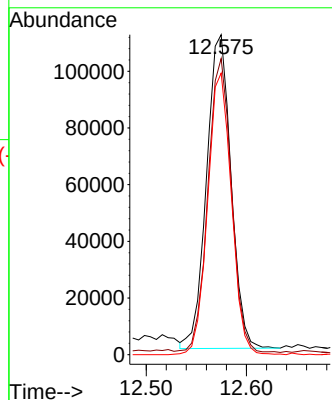
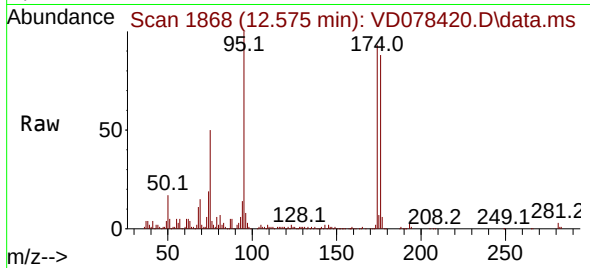




#62
4-Bromofluorobenzene
Concen: 70.335 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

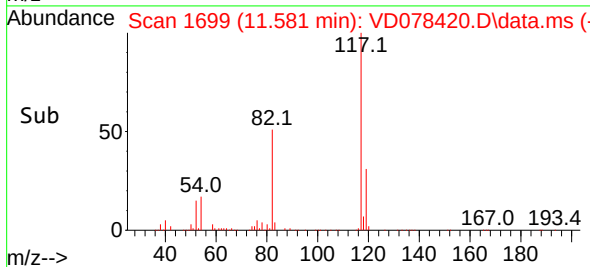
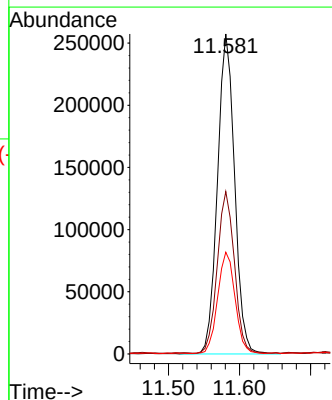
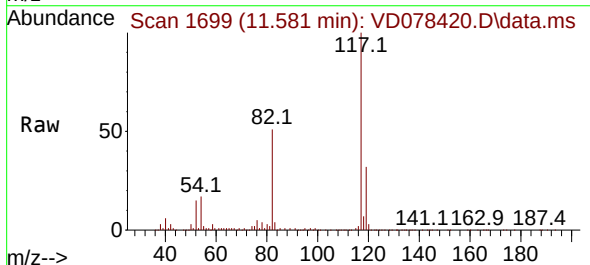
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MSVOA_D
ClientSampleId :
PN-3(SMALL-STOCK-PILE)

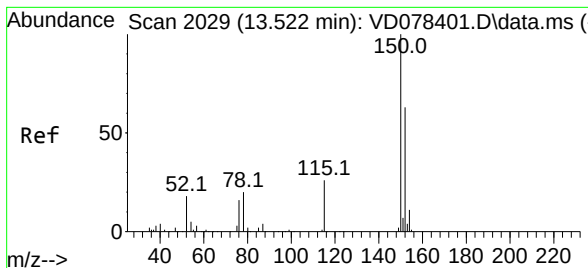
Tgt Ion: 95 Resp: 187867
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 87.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Tgt Ion:117 Resp: 429628
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 31.7 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

PN-3(SMALL-STOCK-PILE)

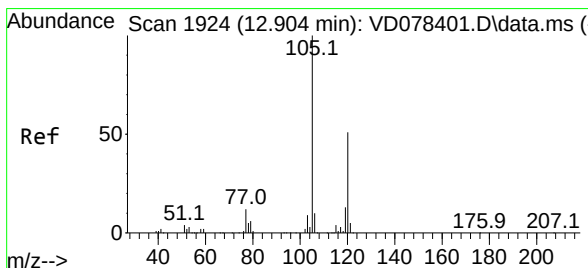
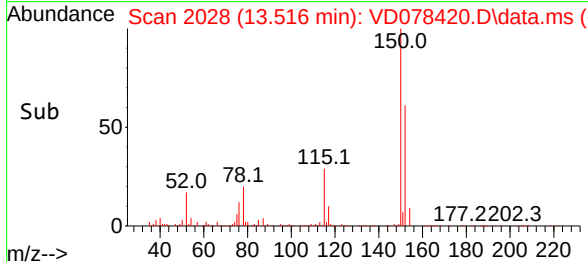
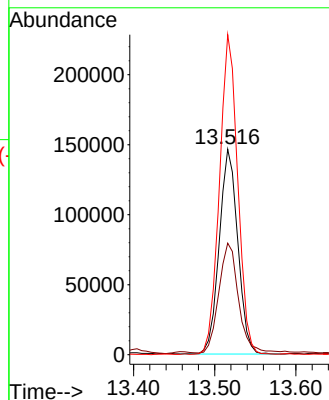
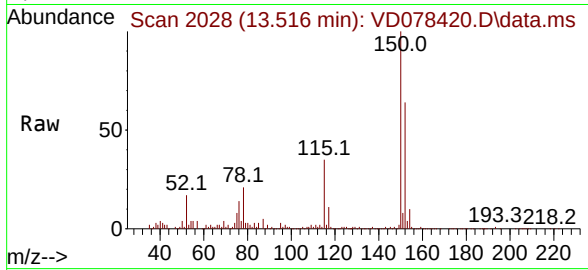
Tgt Ion:152 Resp: 232681

Ion Ratio Lower Upper

152 100

115 56.9 27.1 81.3

150 153.8 0.0 353.6



#80

1,3,5-Trimethylbenzene

Concen: 2.395 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD078420.D

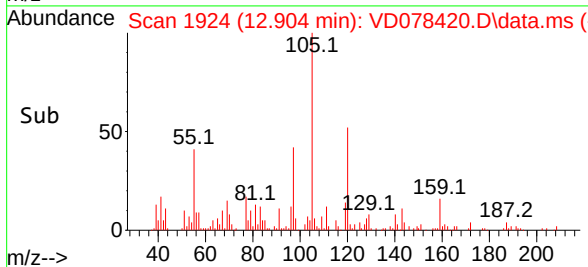
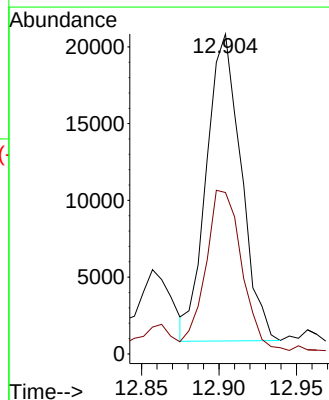
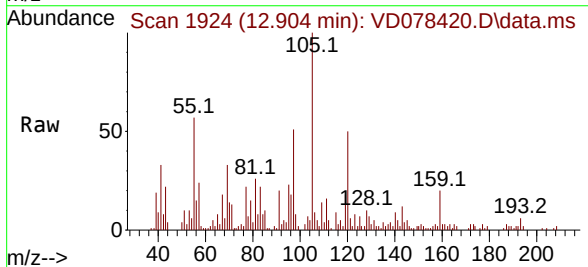
Acq: 14 Feb 2024 17:58

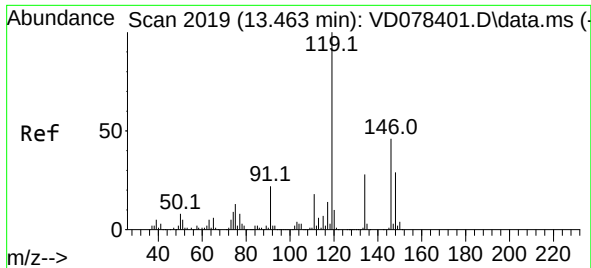
Tgt Ion:105 Resp: 31073

Ion Ratio Lower Upper

105 100

120 54.3 26.4 79.2





#86
 p-Isopropyltoluene
 Concen: 1.928 ug/l
 RT: 13.463 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD078420.D
 Acq: 14 Feb 2024 17:58

Instrument :
 MSVOA_D
 ClientSampleId :
 PN-3(SMALL-STOCK-PILE)

Tgt Ion:	119	Resp:	27869
Ion	Ratio	Lower	Upper
119	100		
134	24.3	14.2	42.6
91	19.3	10.5	31.5

