

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011524\
 Data File : VD078161.D
 Acq On : 15 Jan 2024 13:56
 Operator : RP/MD
 Sample : P1139-03
 Misc : 4.96G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MR-314-16-18

Quant Time: Jan 16 00:35:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 01:29:14 2024
 Response via : Initial Calibration

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

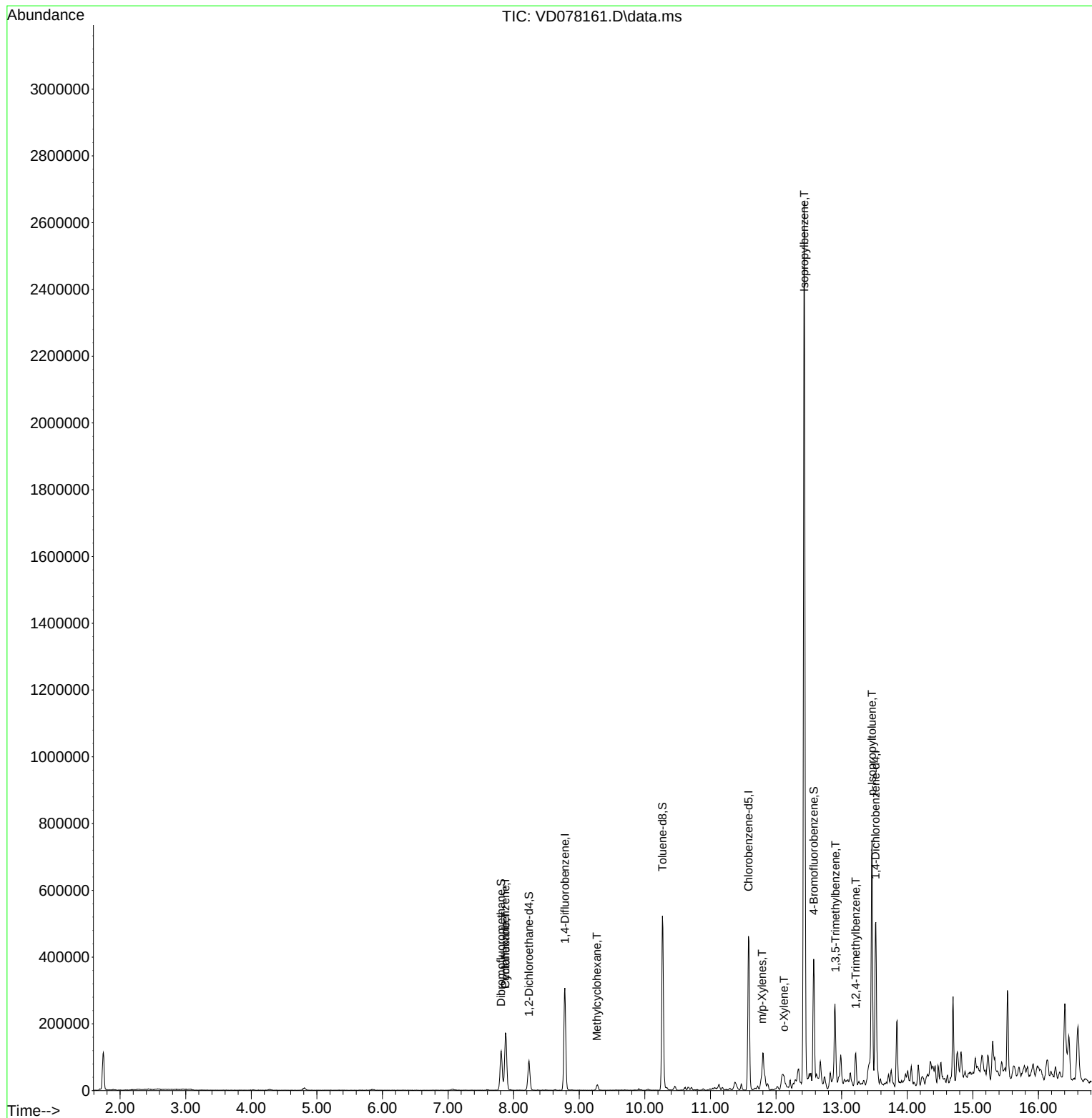
Internal Standards						
1) Pentafluorobenzene	7.875	168	131014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	270671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	272045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66817	48.443	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.880%
35) Dibromofluoromethane	7.810	113	84337	43.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.460%
50) Toluene-d8	10.269	98	344325	52.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.260%
62) 4-Bromofluorobenzene	12.575	95	114238	50.162	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.320%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.875	56	4288	2.055	ug/l #	57
39) Methylcyclohexane	9.269	83	6583	2.271	ug/l	91
68) m/p-Xylenes	11.787	106	9915	2.340	ug/l	81
69) o-Xylene	12.122	106	5378	1.371	ug/l	86
73) Isopropylbenzene	12.428	105	105319	10.450	ug/l #	59
80) 1,3,5-Trimethylbenzene	12.904	105	27754	3.318	ug/l	88
84) 1,2,4-Trimethylbenzene	13.216	105	53088	6.393	ug/l	96
86) p-Isopropyltoluene	13.463	119	399484	42.052	ug/l	95

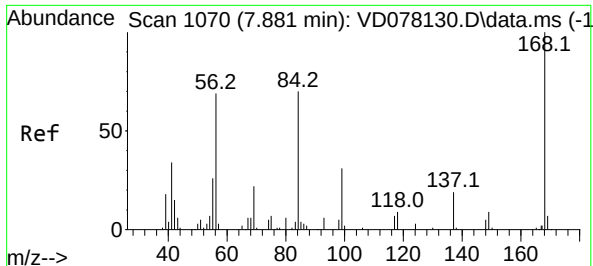
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 09 01:29:14 2024
Response via : Initial Calibration

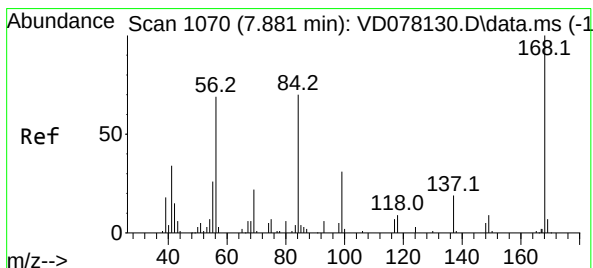
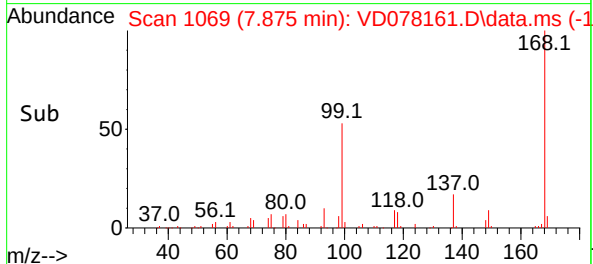
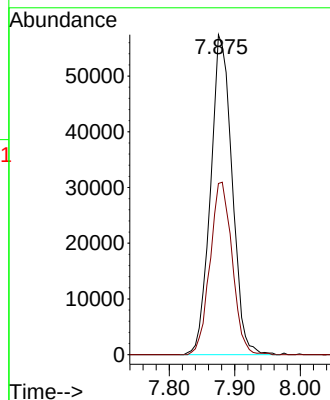
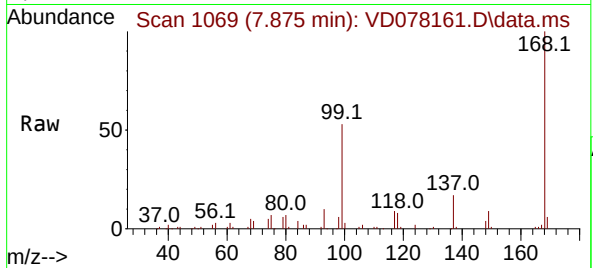




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

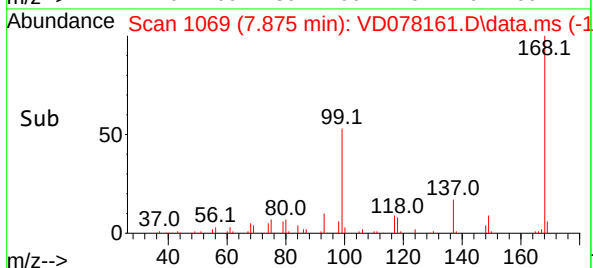
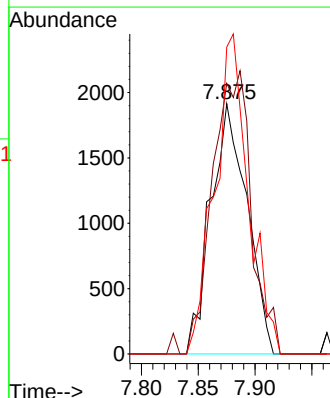
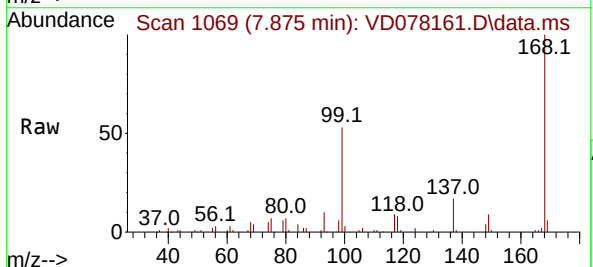
Instrument :
MSVOA_D
ClientSampleId :
MR-314-16-18

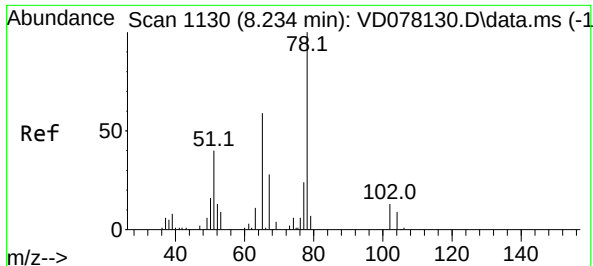
Tgt Ion:168 Resp: 131014
Ion Ratio Lower Upper
168 100
99 53.5 36.7 55.1



#31
Cyclohexane
Concen: 2.055 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

Tgt Ion: 56 Resp: 4288
Ion Ratio Lower Upper
56 100
69 108.2 28.6 43.0#
84 122.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 48.443 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078161.D

Acq: 15 Jan 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

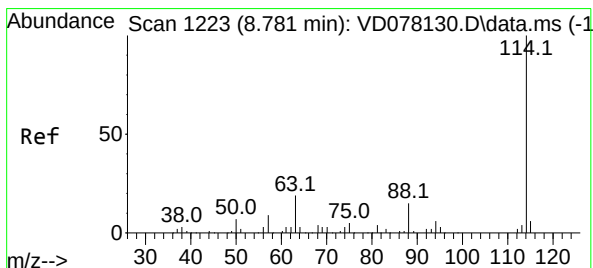
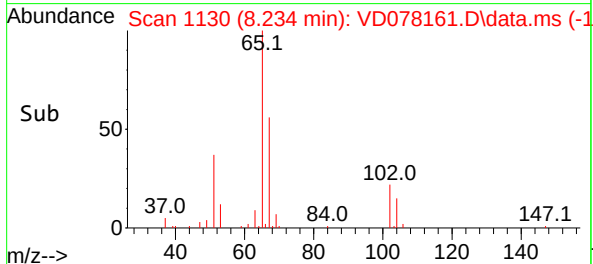
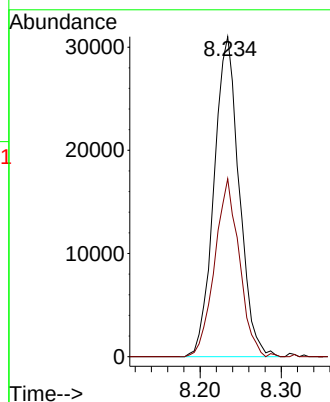
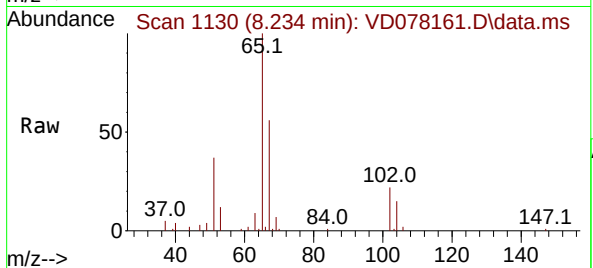
MR-314-16-18

Tgt Ion: 65 Resp: 66817

Ion Ratio Lower Upper

65 100

67 54.2 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: VD078161.D

Acq: 15 Jan 2024 13:56

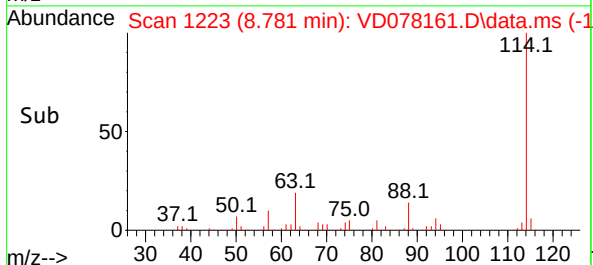
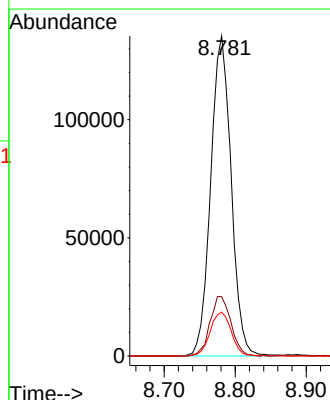
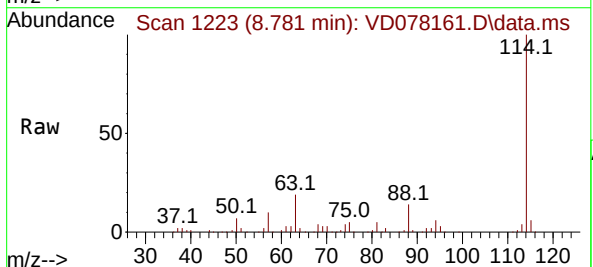
Tgt Ion: 114 Resp: 270671

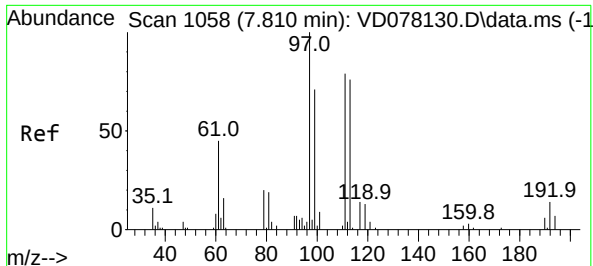
Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 43.234 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078161.D

Acq: 15 Jan 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

MR-314-16-18

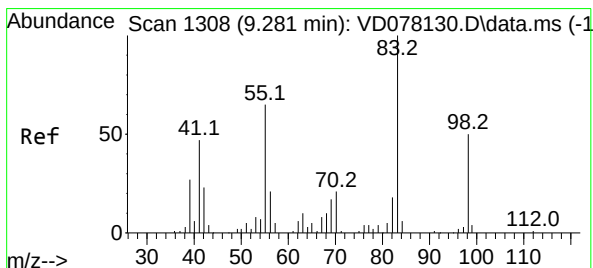
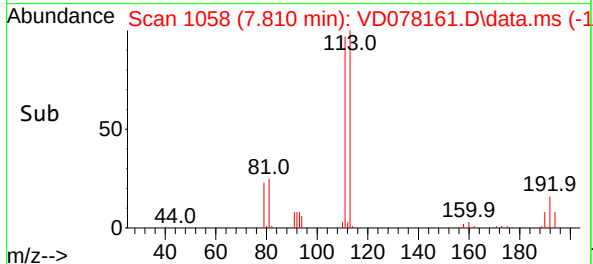
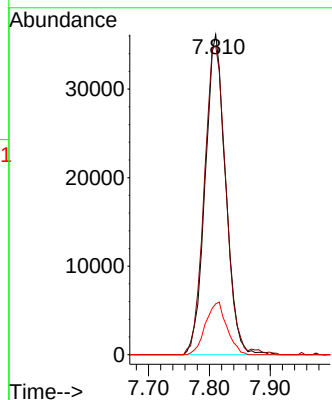
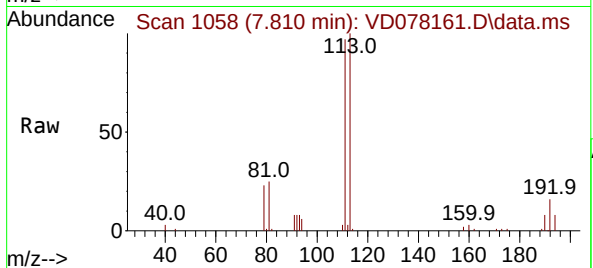
Tgt Ion:113 Resp: 84337

Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 17.1 16.8 25.2



#39

Methylcyclohexane

Concen: 2.271 ug/l

RT: 9.269 min Scan# 1306

Delta R.T. -0.012 min

Lab File: VD078161.D

Acq: 15 Jan 2024 13:56

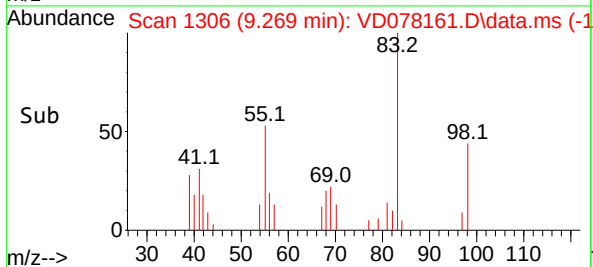
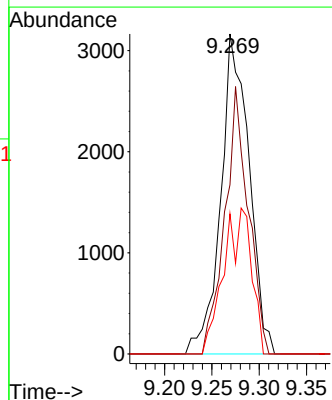
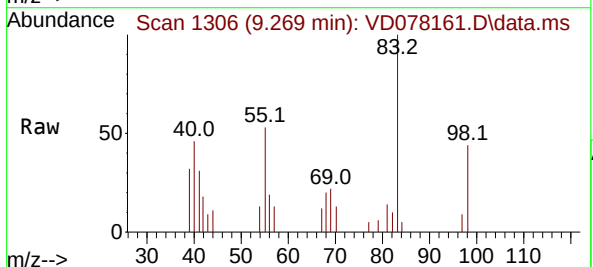
Tgt Ion: 83 Resp: 6583

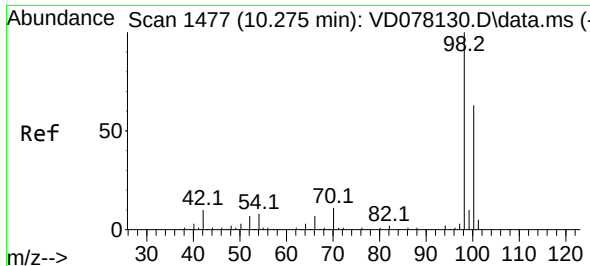
Ion Ratio Lower Upper

83 100

55 52.8 49.4 74.0

98 43.8 38.4 57.6

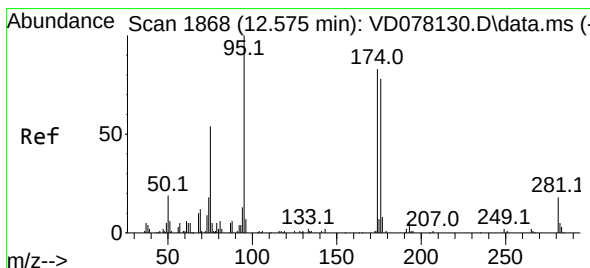
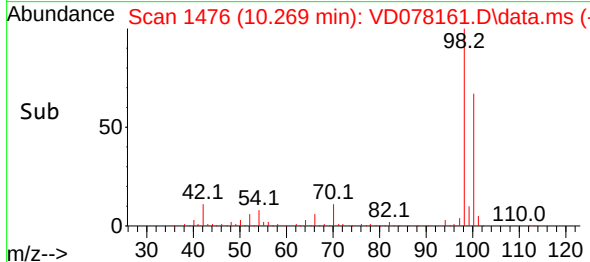
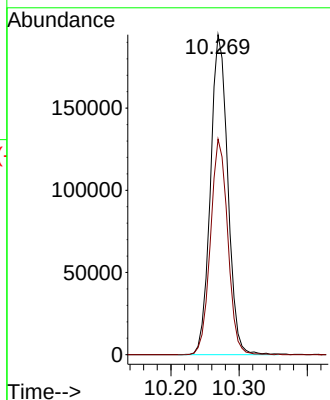
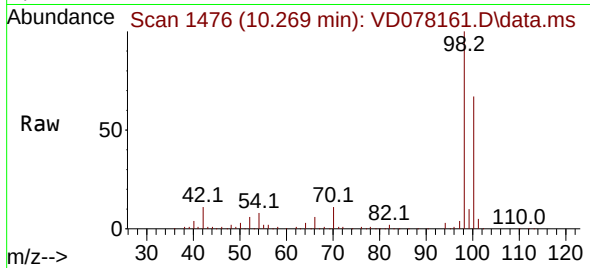




#50
Toluene-d8
Concen: 52.632 ug/l
RT: 10.269 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

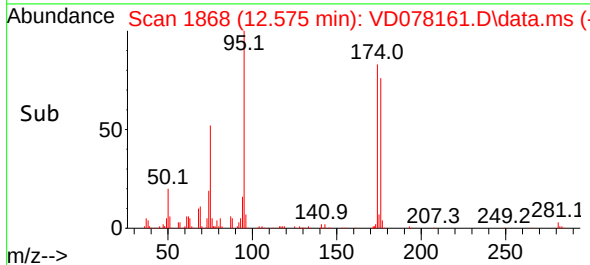
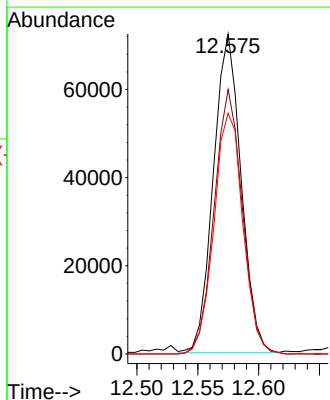
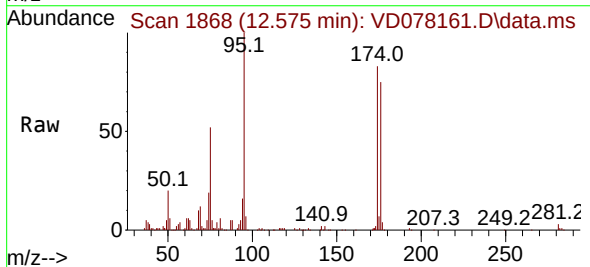
Instrument :
MSVOA_D
ClientSampleId :
MR-314-16-18

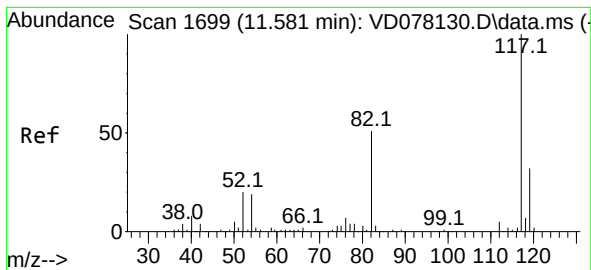
Tgt Ion: 98 Resp: 344325
Ion Ratio Lower Upper
98 100
100 67.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 50.162 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

Tgt Ion: 95 Resp: 114238
Ion Ratio Lower Upper
95 100
174 84.3 0.0 201.8
176 79.3 0.0 191.8

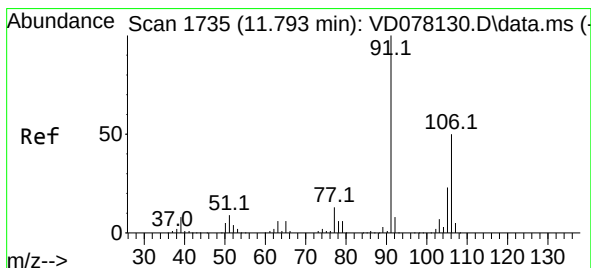
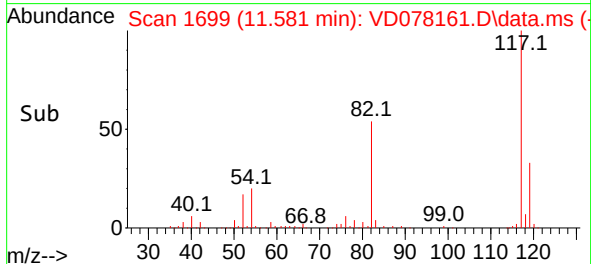
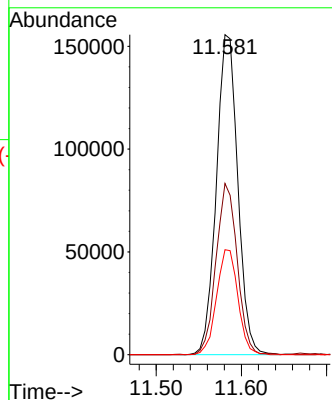
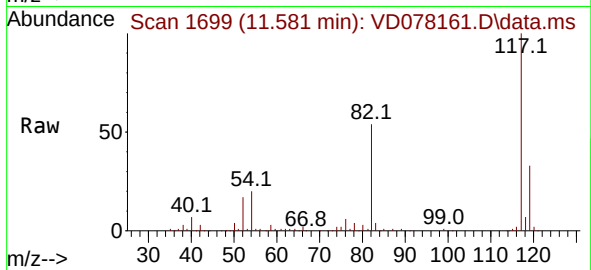




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

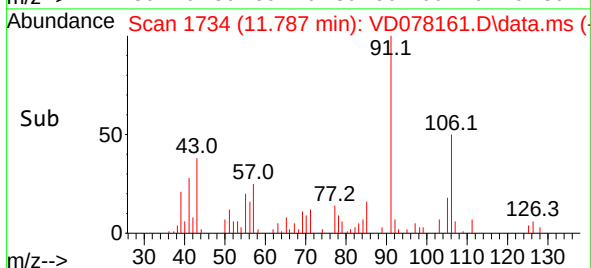
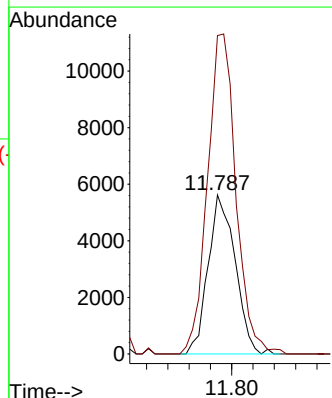
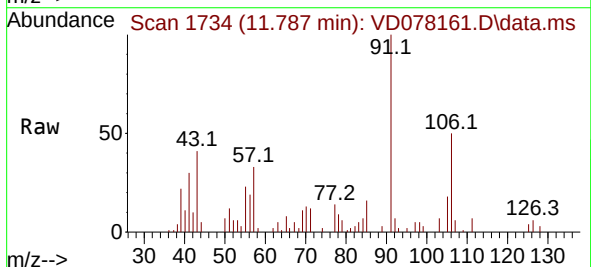
Instrument :
MSVOA_D
ClientSampleId :
MR-314-16-18

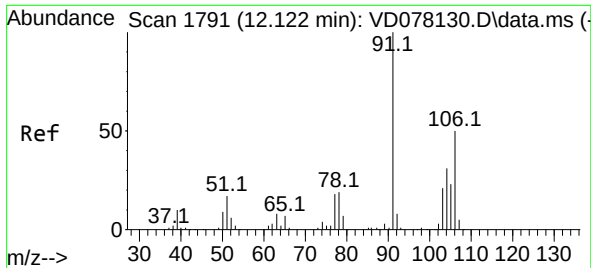
Tgt Ion:117 Resp: 272045
Ion Ratio Lower Upper
117 100
82 53.4 38.3 57.5
119 32.8 25.0 37.4



#68
m/p-Xylenes
Concen: 2.340 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

Tgt Ion:106 Resp: 9915
Ion Ratio Lower Upper
106 100
91 211.4 147.0 220.6

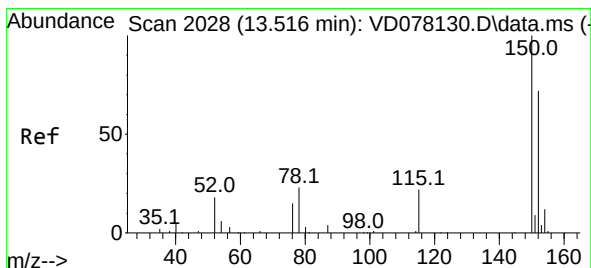
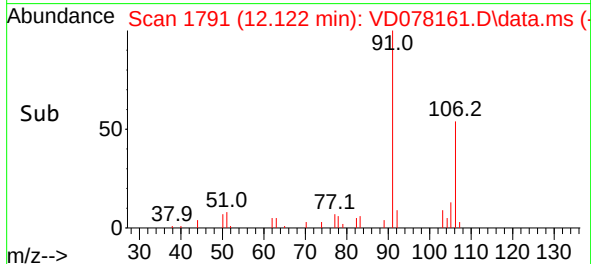
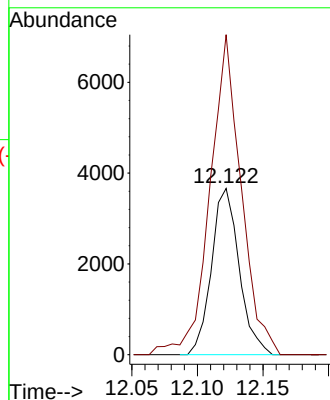
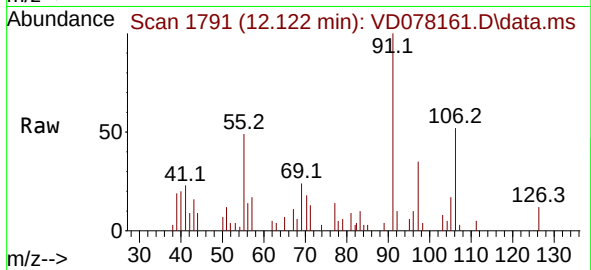




#69
o-Xylene
Concen: 1.371 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

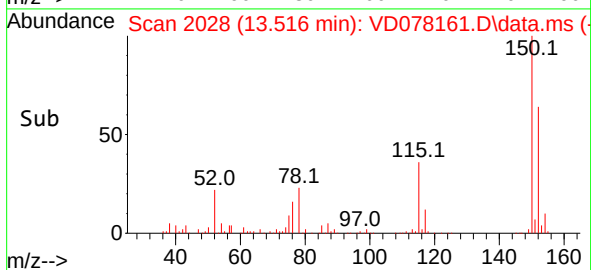
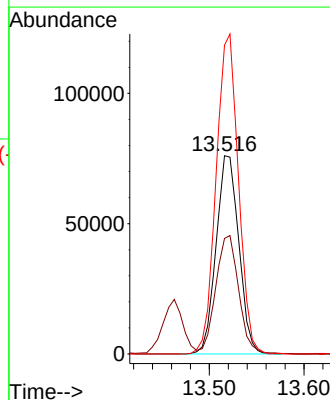
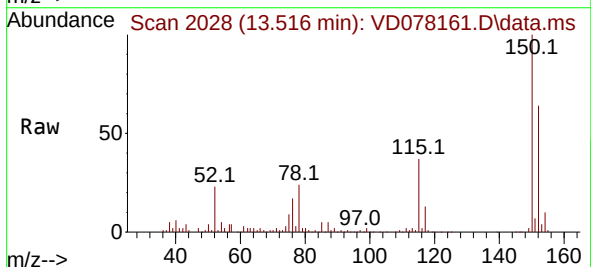
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MSVOA_D
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MR-314-16-18

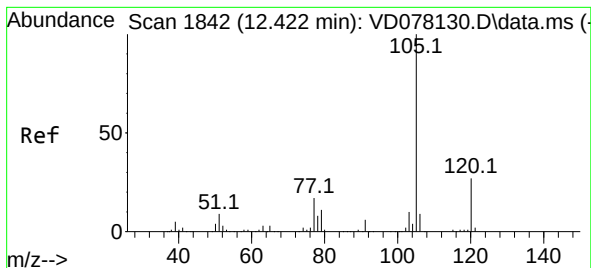
Tgt Ion:106 Resp: 5378
Ion Ratio Lower Upper
106 100
91 216.8 97.9 293.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078161.D
Acq: 15 Jan 2024 13:56

Tgt Ion:152 Resp: 126748
Ion Ratio Lower Upper
152 100
115 60.5 27.1 81.3
150 158.5 0.0 353.6





#73

Isopropylbenzene

Concen: 10.450 ug/l

RT: 12.428 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD078161.D

Acq: 15 Jan 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

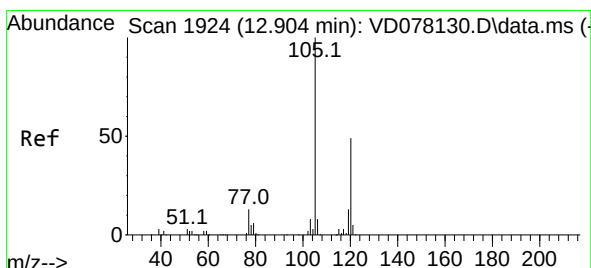
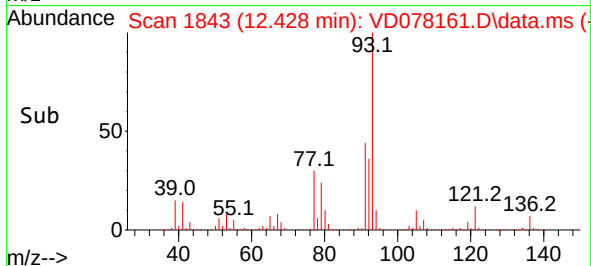
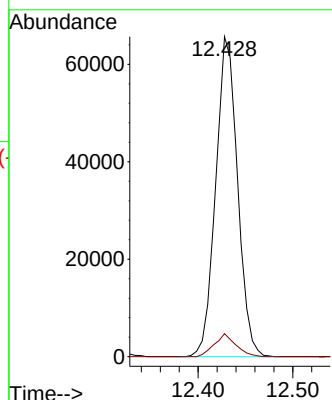
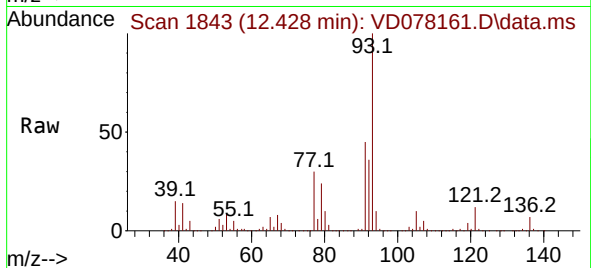
MR-314-16-18

Tgt Ion:105 Resp: 105319

Ion Ratio Lower Upper

105 100

120 7.1 14.3 42.9#



#80

1,3,5-Trimethylbenzene

Concen: 3.318 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD078161.D

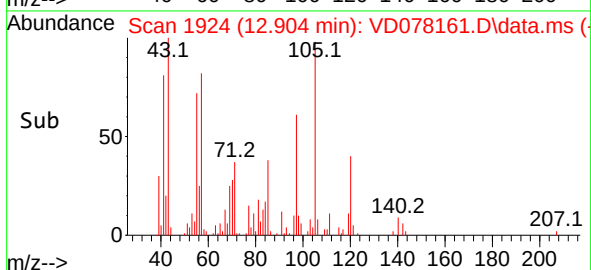
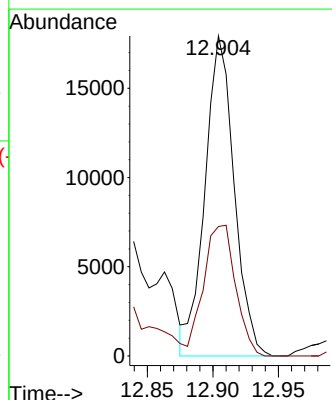
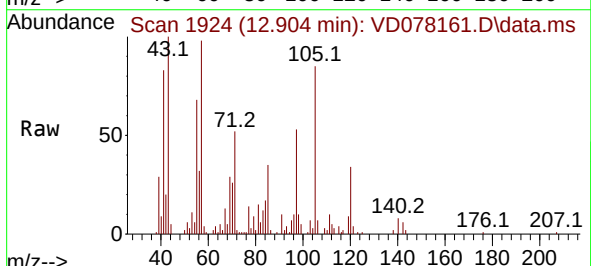
Acq: 15 Jan 2024 13:56

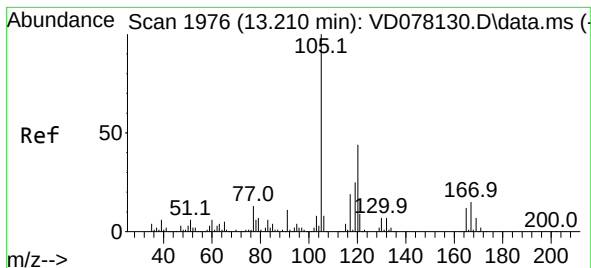
Tgt Ion:105 Resp: 27754

Ion Ratio Lower Upper

105 100

120 44.6 26.4 79.2





#84

1,2,4-Trimethylbenzene

Concen: 6.393 ug/l

RT: 13.216 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD078161.D

Acq: 15 Jan 2024 13:56

Instrument :

MSVOA_D

ClientSampleId :

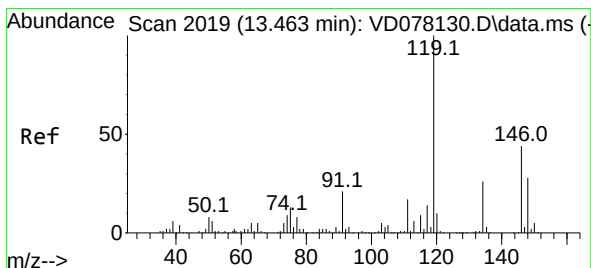
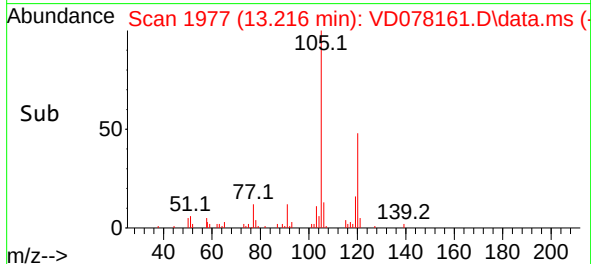
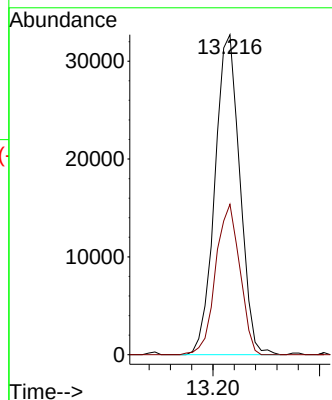
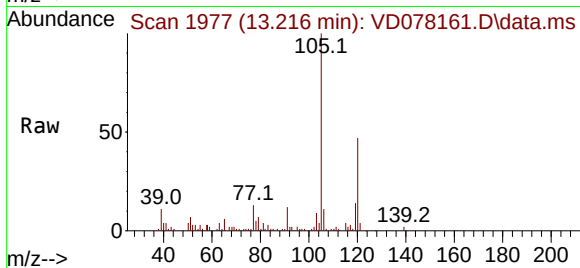
MR-314-16-18

Tgt Ion:105 Resp: 53088

Ion Ratio Lower Upper

105 100

120 45.6 24.3 72.9



#86

p-Isopropyltoluene

Concen: 42.052 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD078161.D

Acq: 15 Jan 2024 13:56

Tgt Ion:119 Resp: 399484

Ion Ratio Lower Upper

119 100

134 26.3 14.2 42.6

91 24.3 10.5 31.5

