

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110823\
 Data File : VD077520.D
 Acq On : 08 Nov 2023 15:05
 Operator : JC/SY
 Sample : 05279-07
 Misc : 3.31G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1-VOC

Quant Time: Nov 09 01:38:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

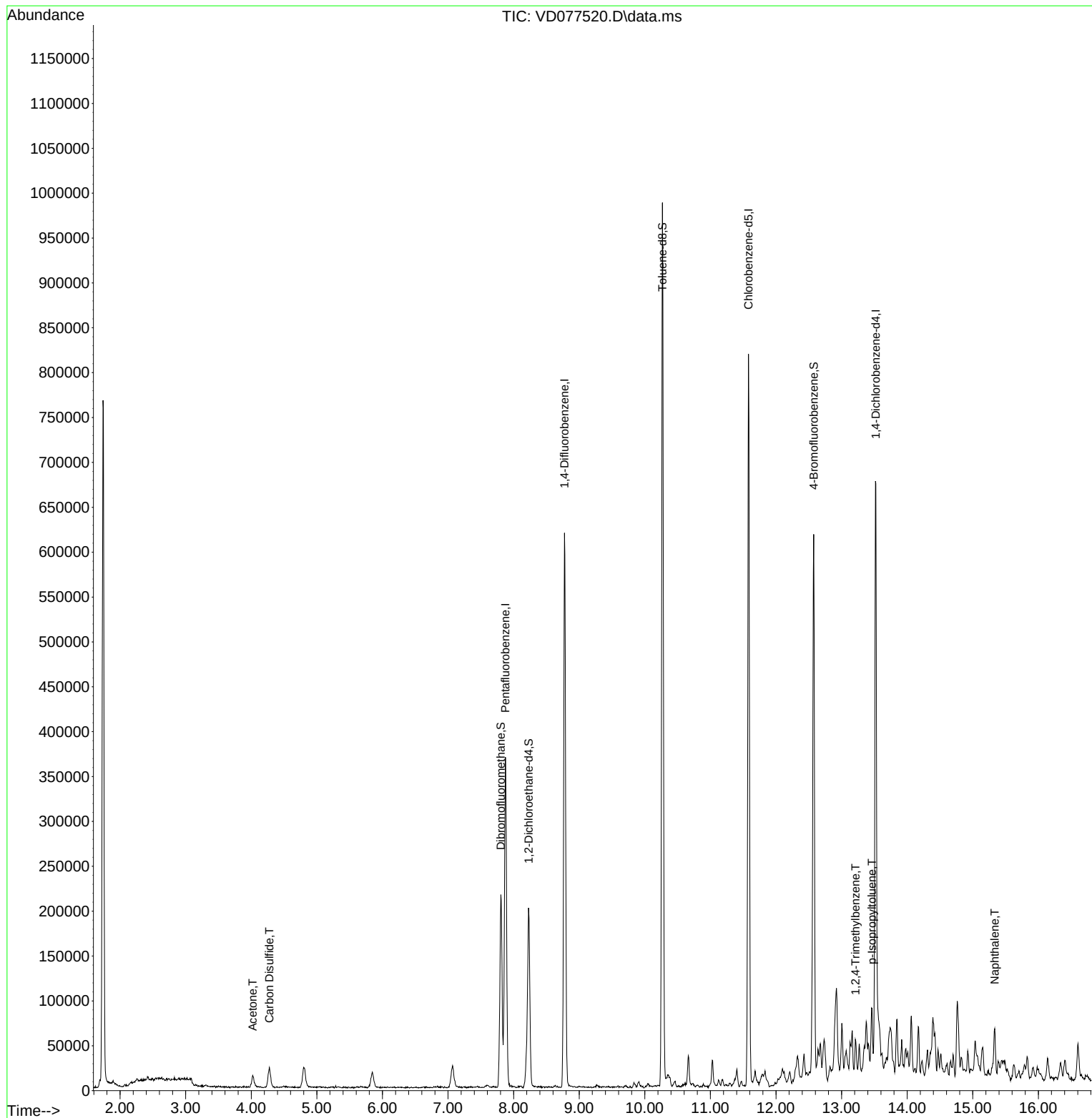
Internal Standards						
1) Pentafluorobenzene	7.875	168	267999	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	514695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	434847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	168279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	148193	39.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.200%
35) Dibromofluoromethane	7.805	113	150446	42.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.580%
50) Toluene-d8	10.269	98	653670	47.307	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.575	95	176314	37.885	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.780%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	22484	22.422	ug/l	# 69
17) Carbon Disulfide	4.275	76	41302	8.381	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	20930	1.830	ug/l	95
86) p-Isopropyltoluene	13.463	119	35465	2.946	ug/l	93
95) Naphthalene	15.334	128	44203	6.465	ug/l	97

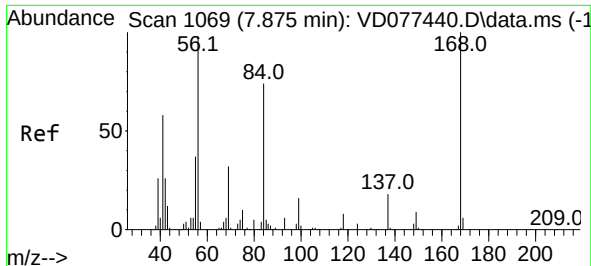
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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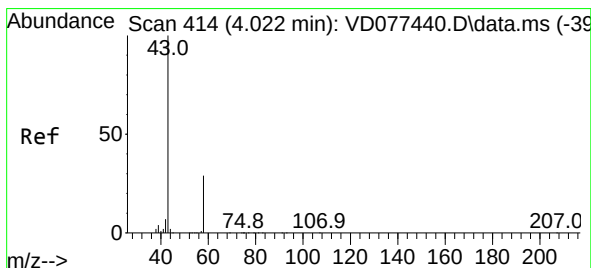
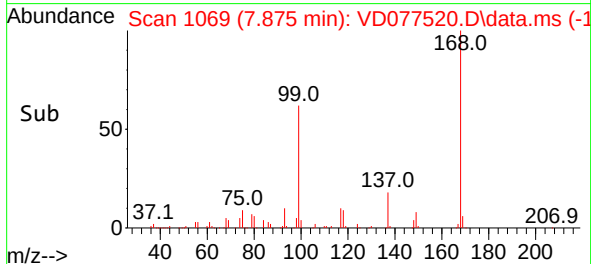
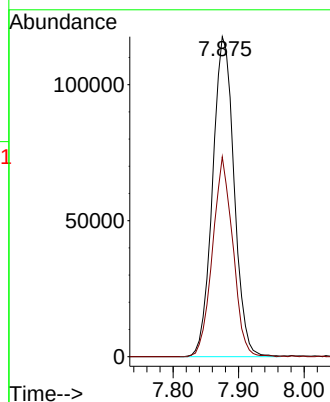
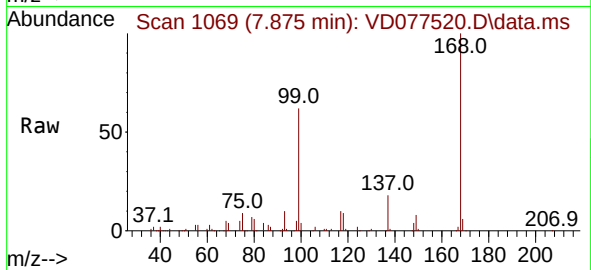




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

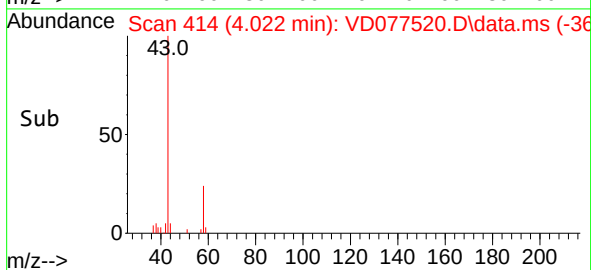
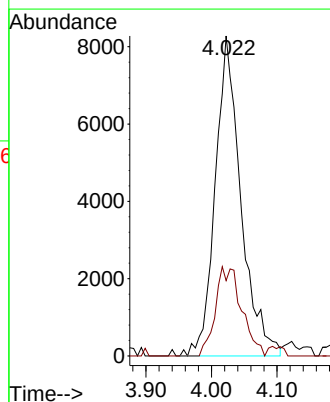
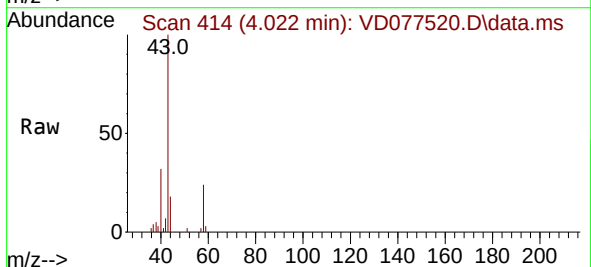
Instrument :
MSVOA_D
ClientSampleId :
MH-1-VOC

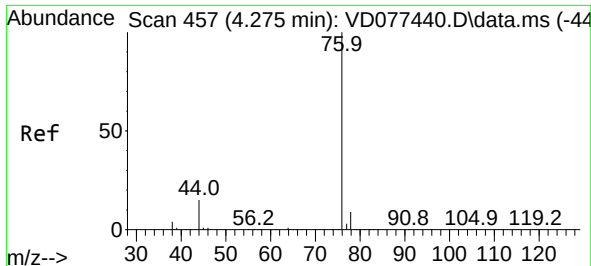
Tgt Ion:168 Resp: 267999
Ion Ratio Lower Upper
168 100
99 62.5 36.7 55.1#



#16
Acetone
Concen: 22.422 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion: 43 Resp: 22484
Ion Ratio Lower Upper
43 100
58 23.6 34.7 52.1#

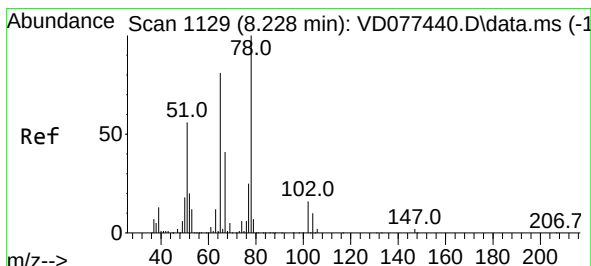
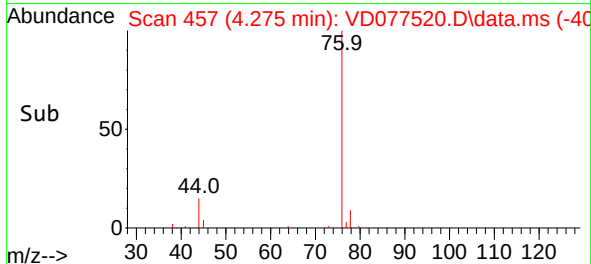
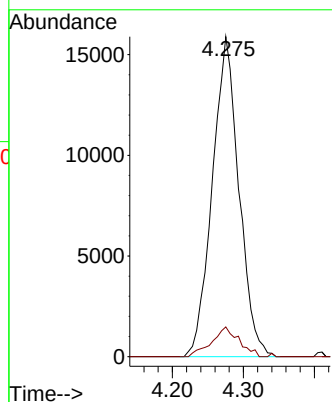
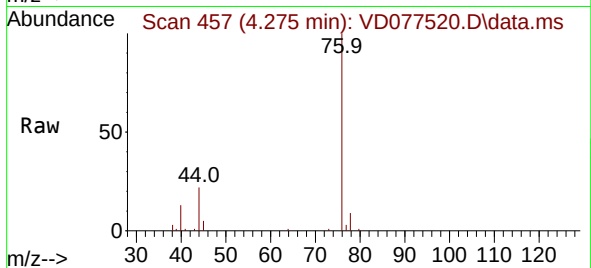




#17
Carbon Disulfide
Concen: 8.381 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

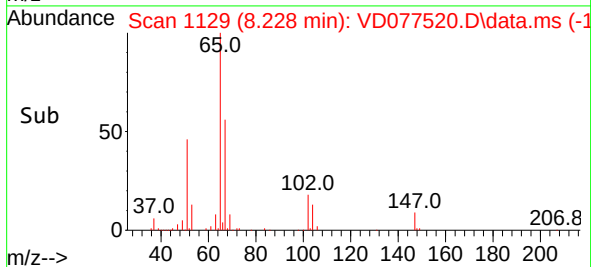
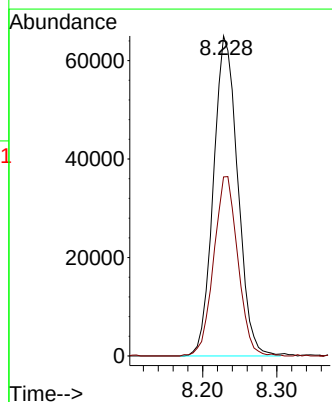
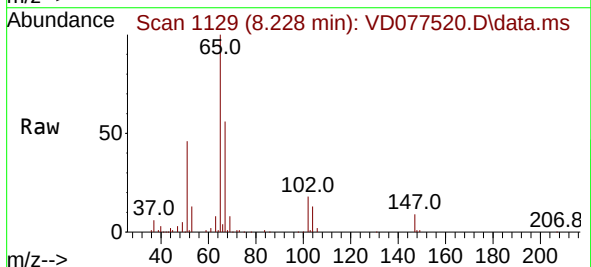
Instrument :
MSVOA_D
ClientSampleId :
MH-1-VOC

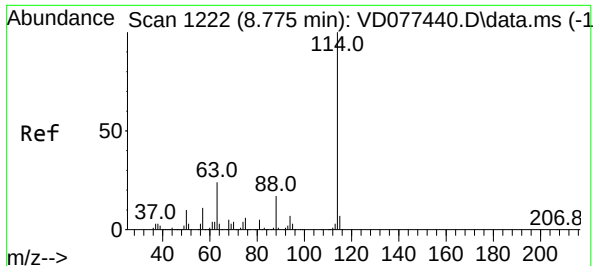
Tgt Ion: 76 Resp: 41302
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#33
1,2-Dichloroethane-d4
Concen: 39.105 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion: 65 Resp: 148193
Ion Ratio Lower Upper
65 100
67 55.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

ClientSampleId :

MH-1-VOC

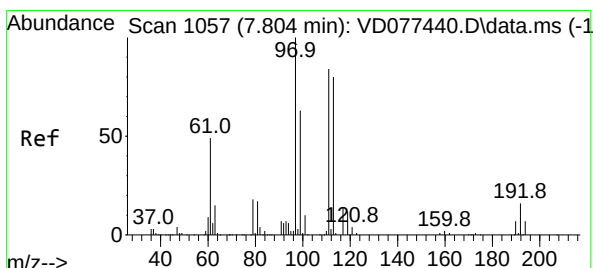
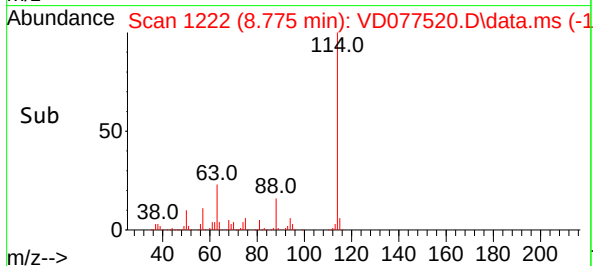
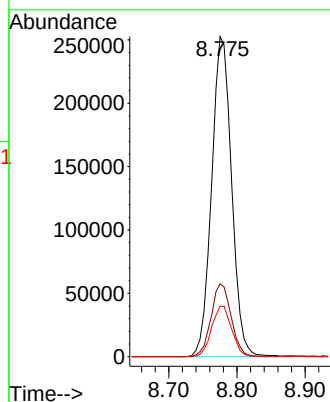
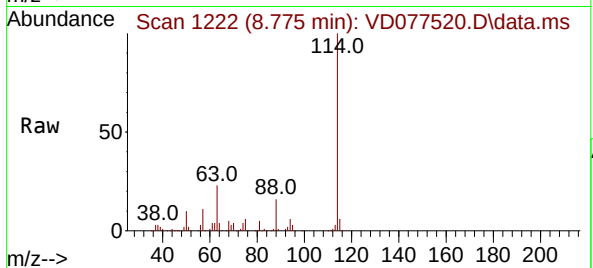
Tgt Ion:114 Resp: 514695

Ion Ratio Lower Upper

114 100

63 22.7 0.0 33.4

88 15.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.291 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

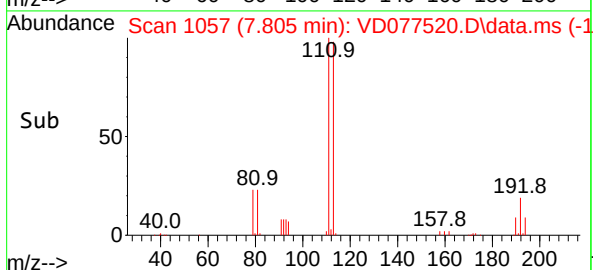
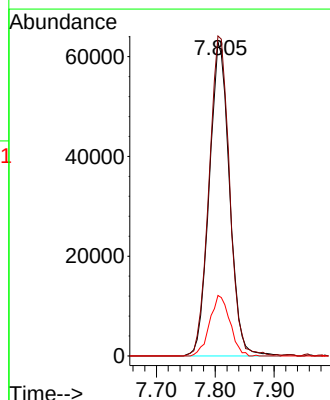
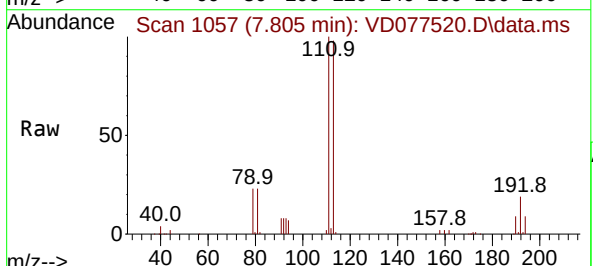
Tgt Ion:113 Resp: 150446

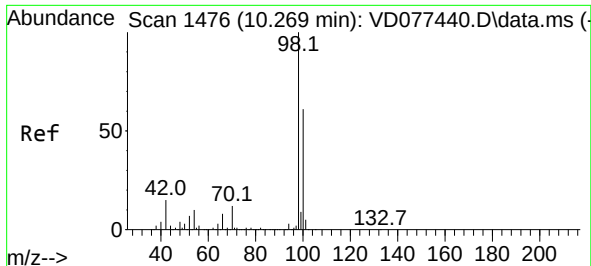
Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

192 19.2 16.8 25.2

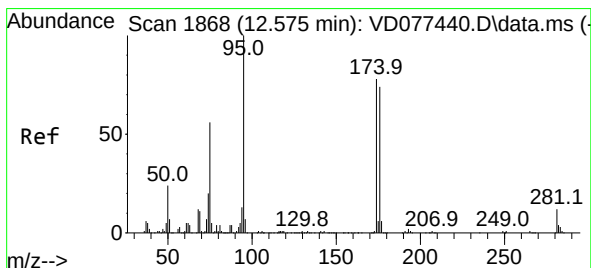
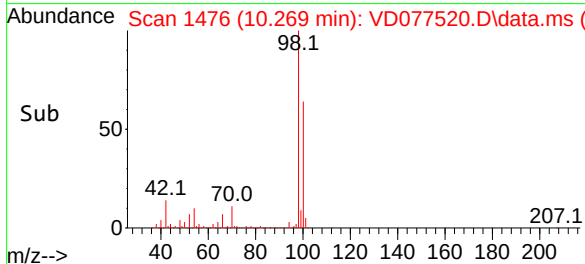
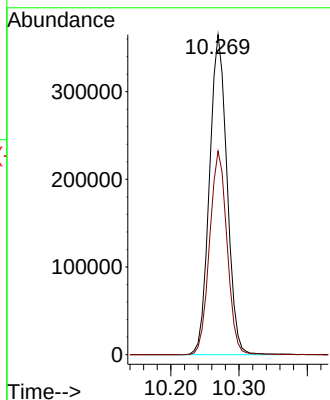
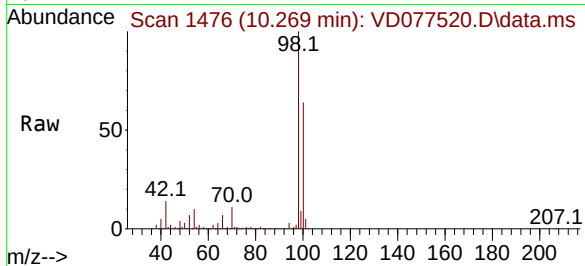




#50
Toluene-d8
Concen: 47.307 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

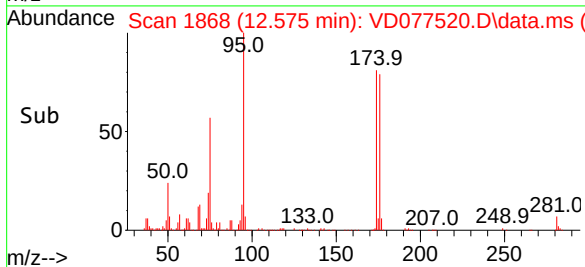
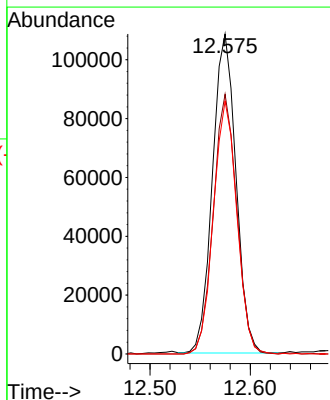
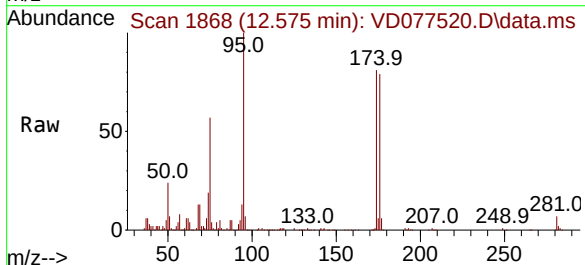
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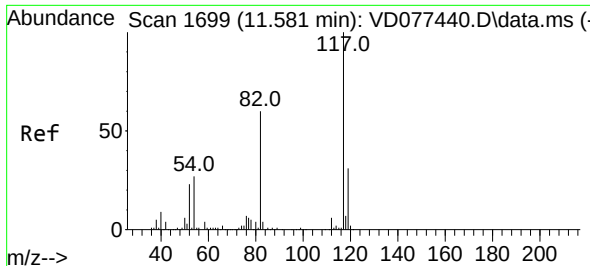
Tgt Ion: 98 Resp: 653670
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 37.885 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion: 95 Resp: 176314
Ion Ratio Lower Upper
95 100
174 81.2 0.0 201.8
176 79.4 0.0 191.8

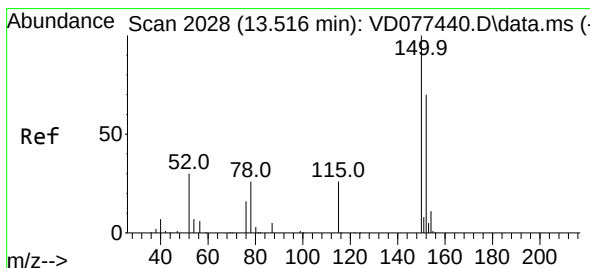
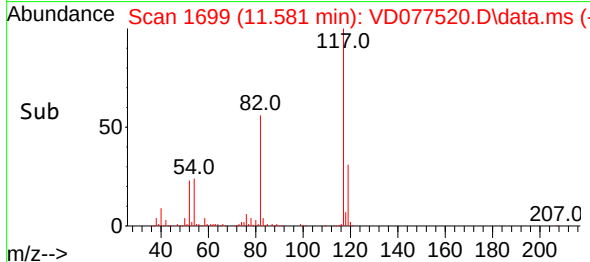
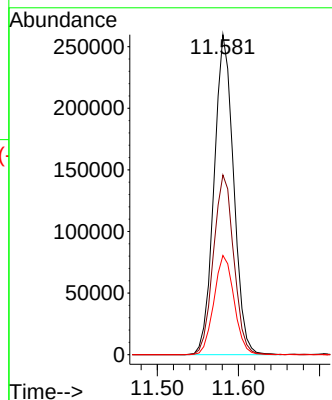
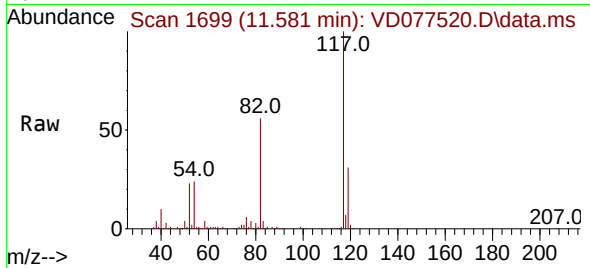




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

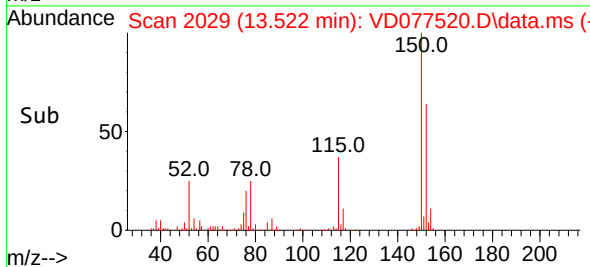
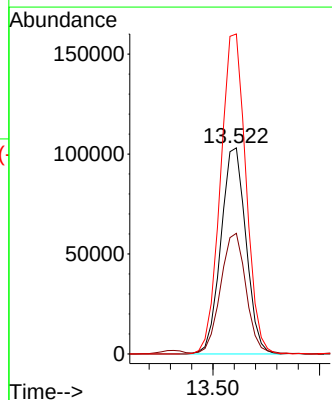
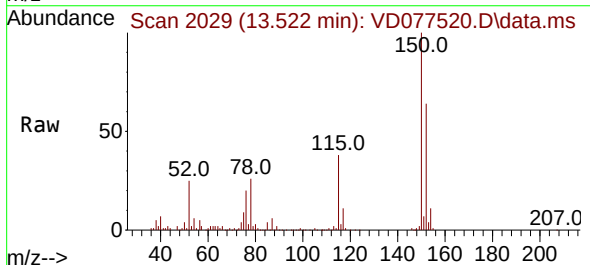
Instrument :
MSVOA_D
ClientSampleId :
MH-1-VOC

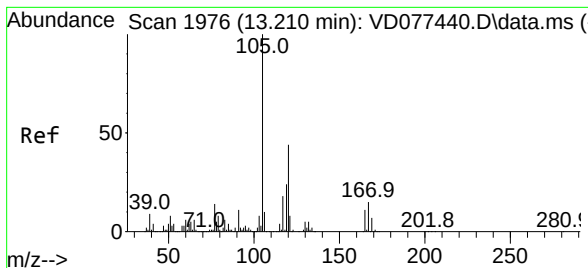
Tgt Ion:117 Resp: 434847
Ion Ratio Lower Upper
117 100
82 56.1 38.3 57.5
119 31.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion:152 Resp: 168279
Ion Ratio Lower Upper
152 100
115 59.8 27.1 81.3
150 157.8 0.0 353.6





#84

1,2,4-Trimethylbenzene

Concen: 1.830 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

ClientSampleId :

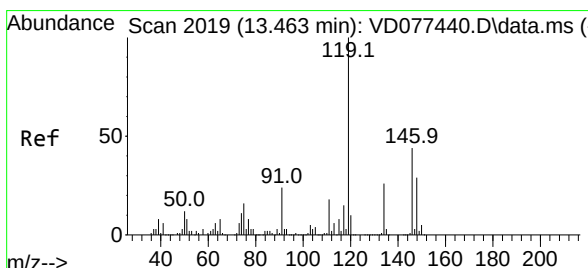
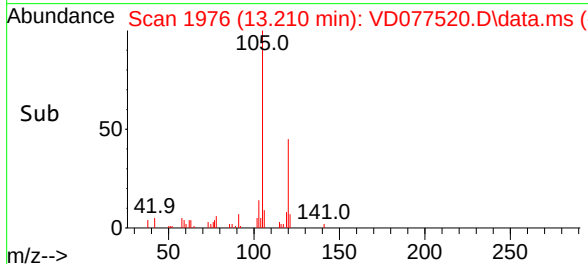
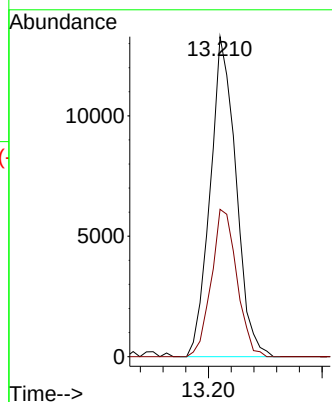
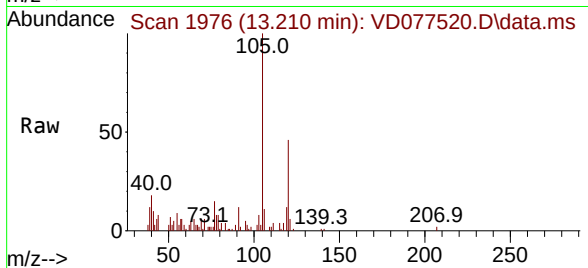
MH-1-VOC

Tgt Ion:105 Resp: 20930

Ion Ratio Lower Upper

105 100

120 45.4 24.3 72.9



#86

p-Isopropyltoluene

Concen: 2.946 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

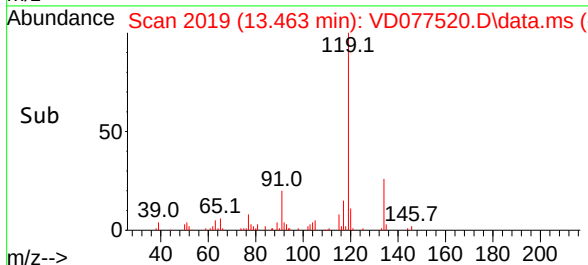
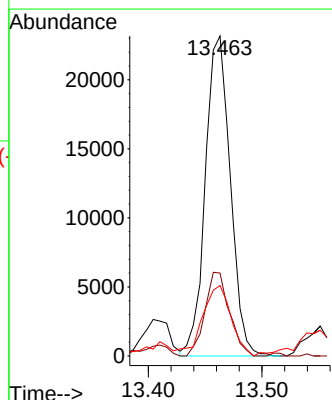
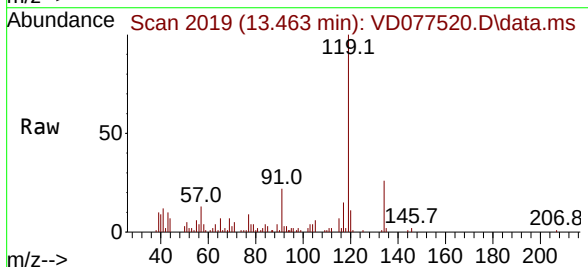
Tgt Ion:119 Resp: 35465

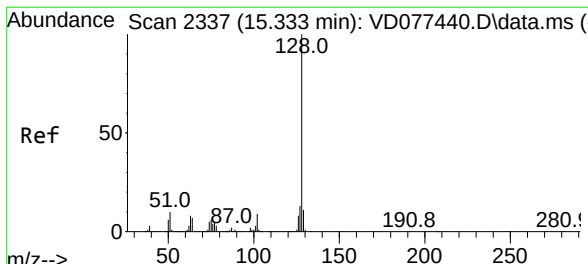
Ion Ratio Lower Upper

119 100

134 25.5 14.2 42.6

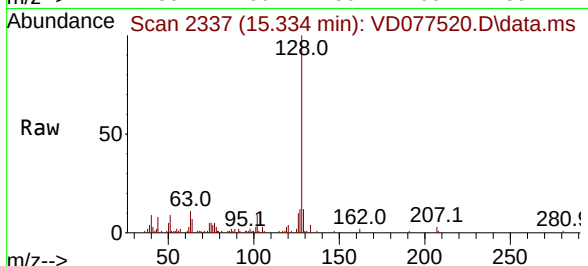
91 24.7 10.5 31.5





#95
 Naphthalene
 Concen: 6.465 ug/l
 RT: 15.334 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD077520.D
 Acq: 08 Nov 2023 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1-VOC



Tgt Ion:	128	Resp:	44203
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.5	15.7
129	12.0	8.7	13.1

