

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077418.D
 Acq On : 25 Oct 2023 17:02
 Operator : JC/SY
 Sample : 05038-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AUD-1059

Quant Time: Oct 26 07:01:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

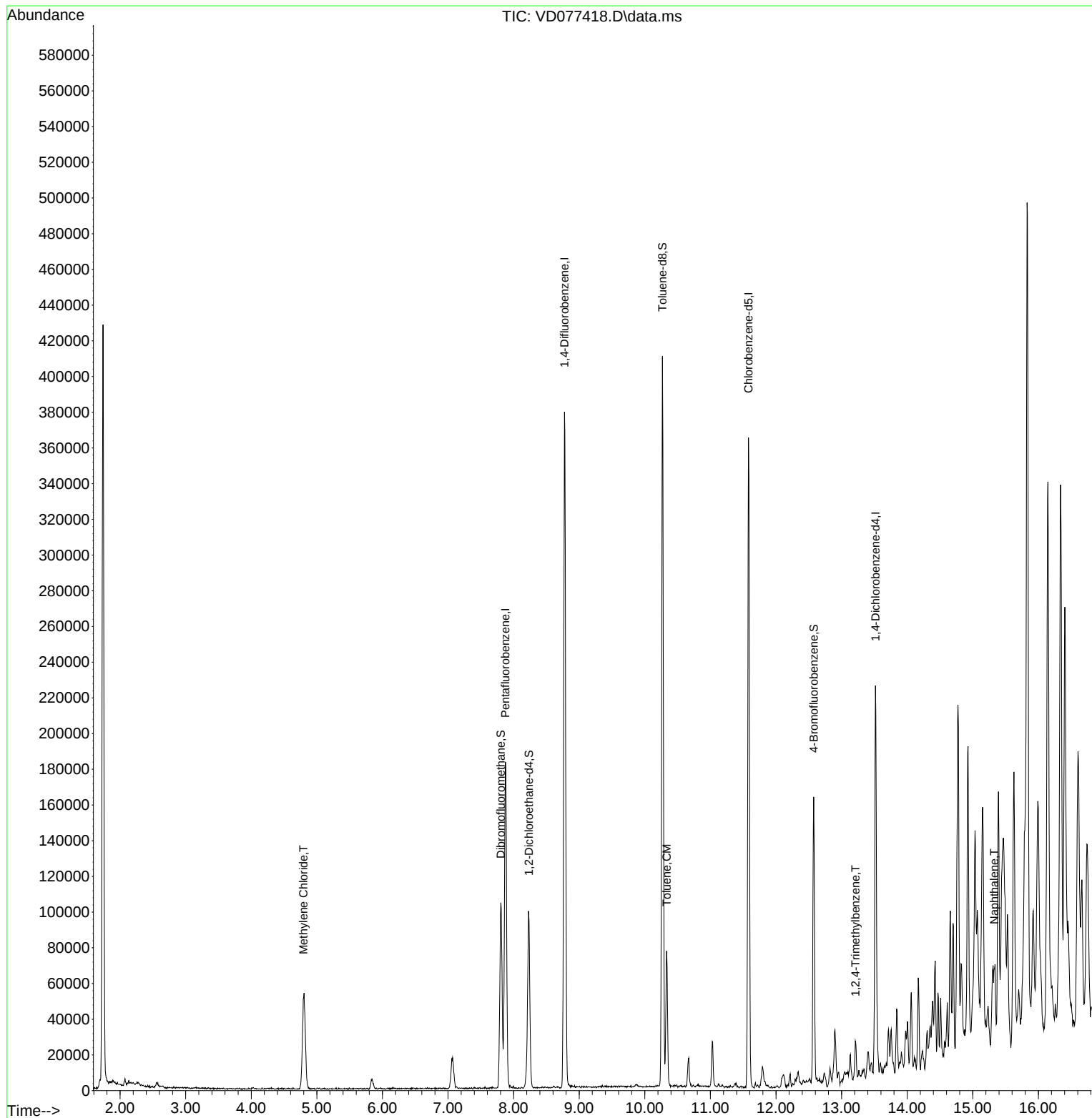
Internal Standards						
1) Pentafluorobenzene	7.875	168	138719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	233801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	63371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71970	58.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.200%
35) Dibromofluoromethane	7.805	113	78964	32.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	64.000%
50) Toluene-d8	10.269	98	297527	33.672	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	67.340%
62) 4-Bromofluorobenzene	12.575	95	48110	18.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.820%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	47981	26.990	ug/l #	92
52) Toluene	10.334	92	33390	5.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	12149	3.488	ug/l	96
95) Naphthalene	15.328	128	21310	10.355	ug/l #	92

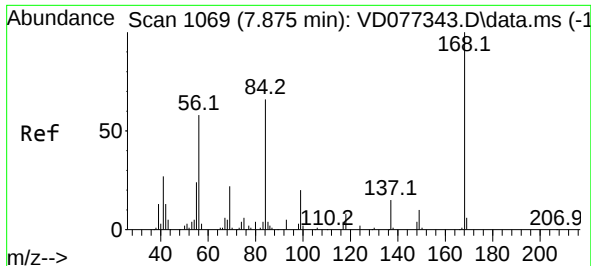
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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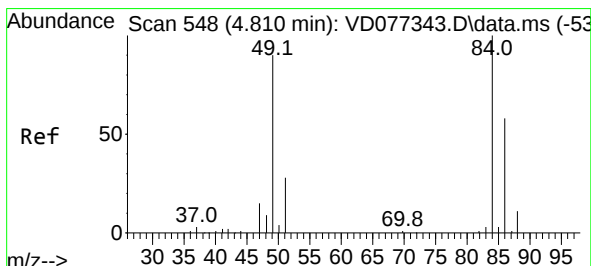
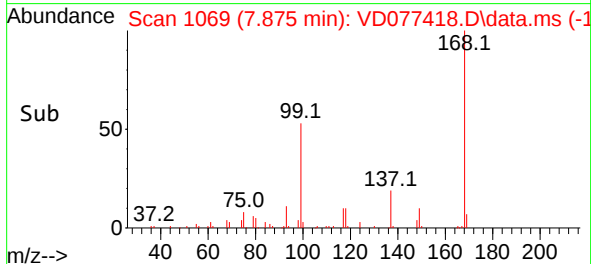
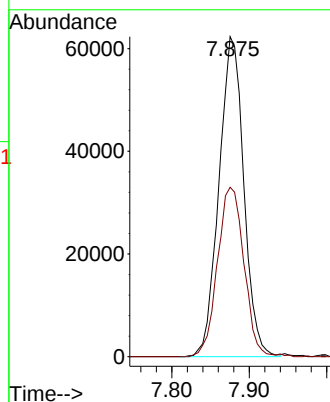
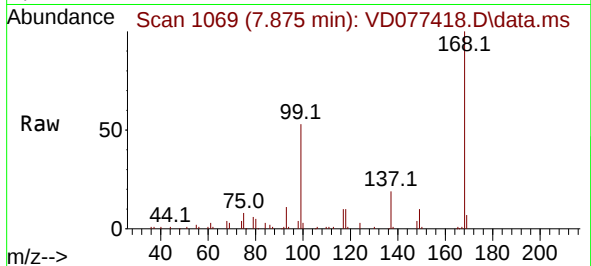




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

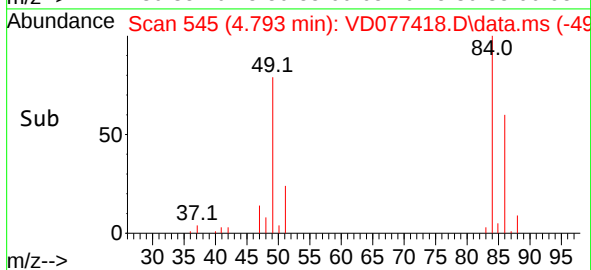
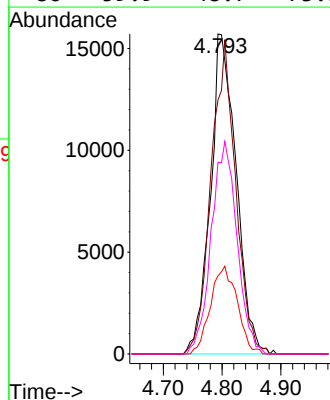
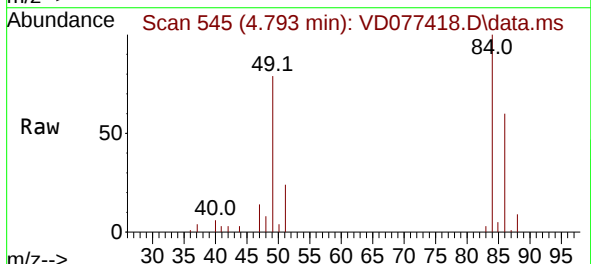
Instrument :
MSVOA_D
ClientSampleId :
AUD-1059

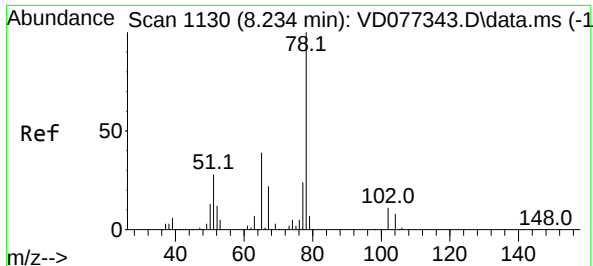
Tgt Ion:168 Resp: 138719
Ion Ratio Lower Upper
168 100
99 53.0 36.7 55.1



#20
Methylene Chloride
Concen: 26.990 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.017 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion: 84 Resp: 47981
Ion Ratio Lower Upper
84 100
49 79.3 71.4 107.2
51 24.4 24.5 36.7#
86 59.9 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 58.102 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077418.D

Acq: 25 Oct 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

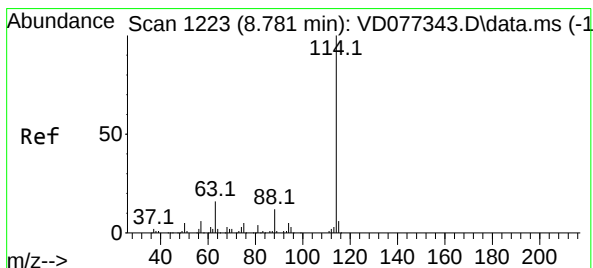
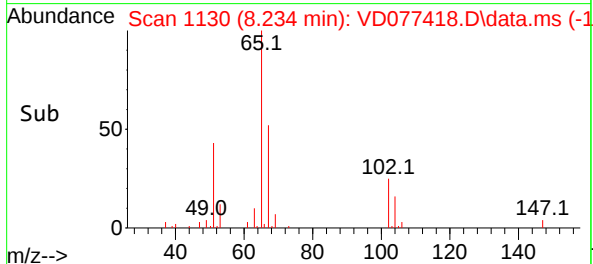
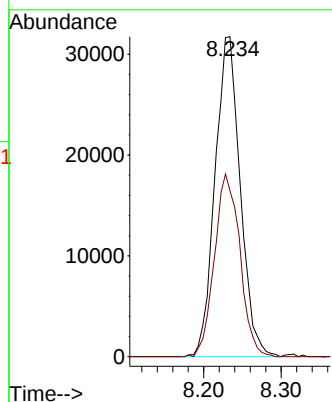
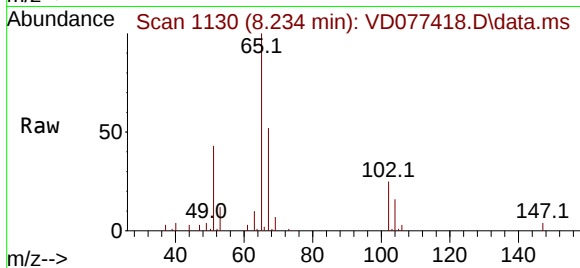
AUD-1059

Tgt Ion: 65 Resp: 71970

Ion Ratio Lower Upper

65 100

67 57.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077418.D

Acq: 25 Oct 2023 17:02

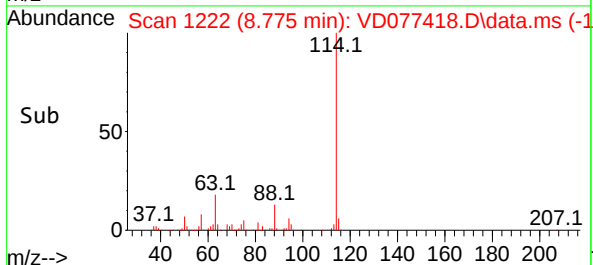
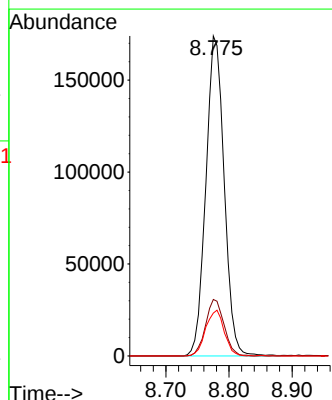
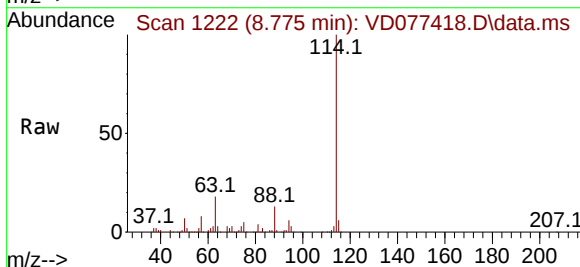
Tgt Ion: 114 Resp: 351192

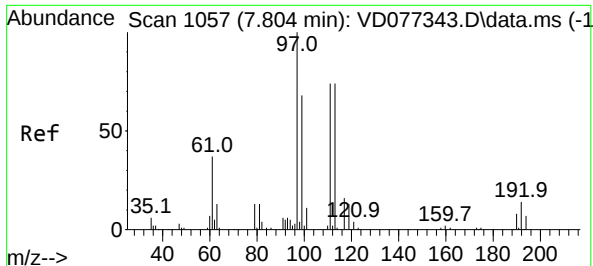
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 32.005 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077418.D

Acq: 25 Oct 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

AUD-1059

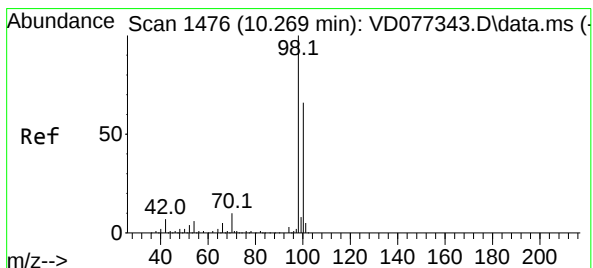
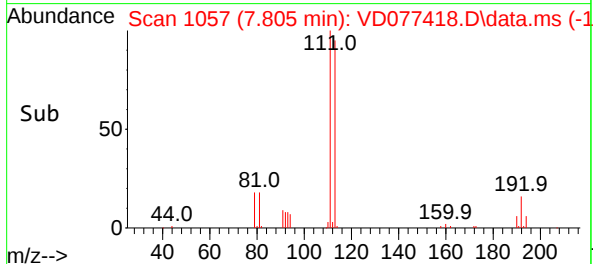
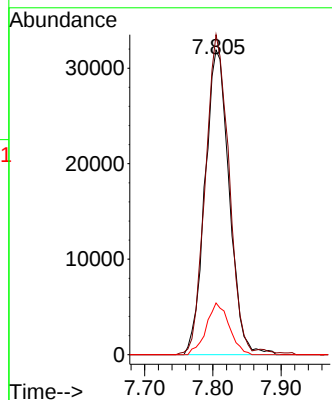
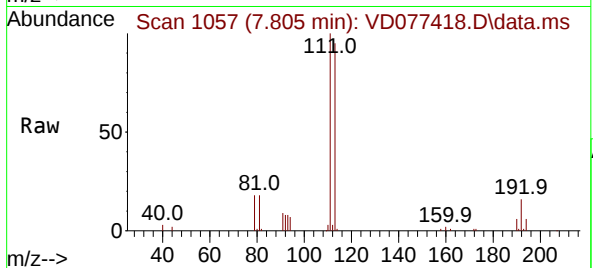
Tgt Ion:113 Resp: 78964

Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 16.0 16.8 25.2#



#50

Toluene-d8

Concen: 33.672 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077418.D

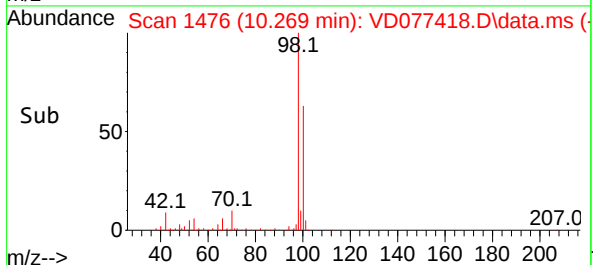
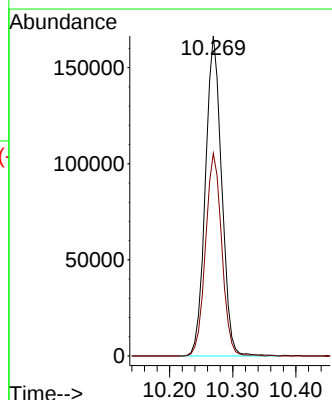
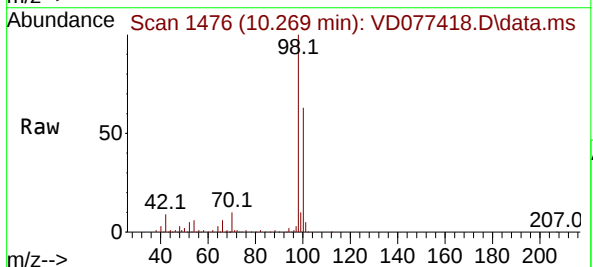
Acq: 25 Oct 2023 17:02

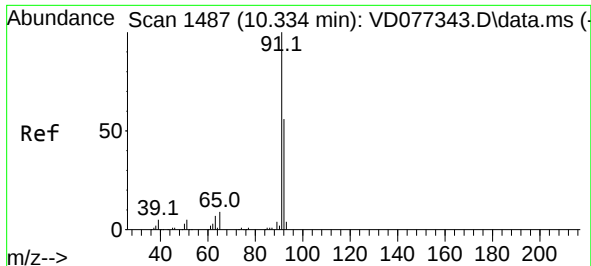
Tgt Ion: 98 Resp: 297527

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5

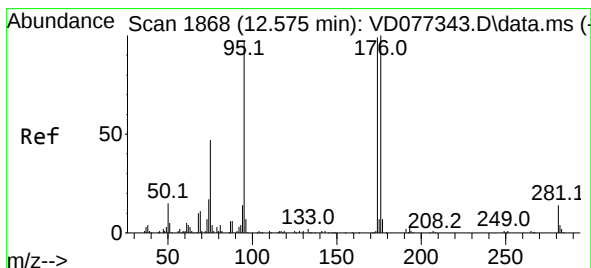
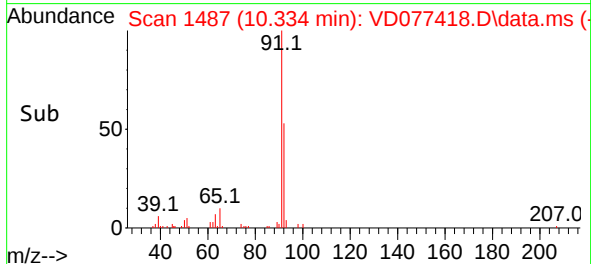
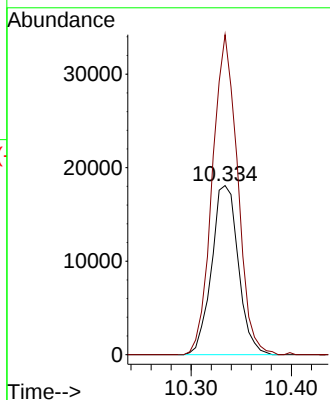
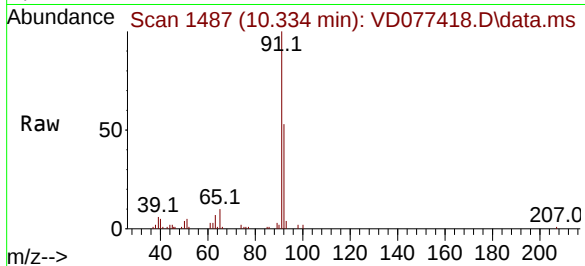




#52
Toluene
Concen: 5.198 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

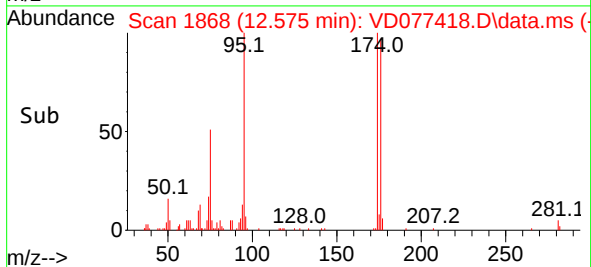
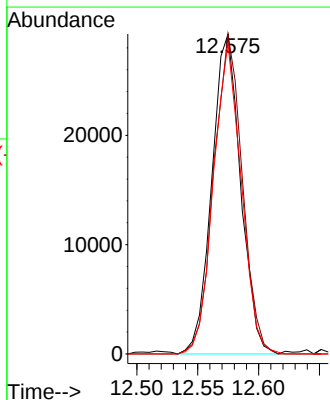
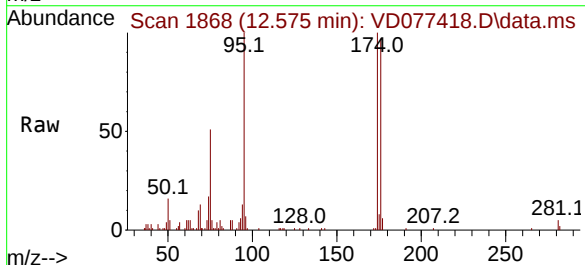
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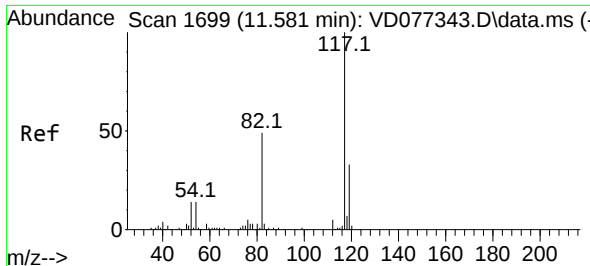
Tgt Ion: 92 Resp: 33390
Ion Ratio Lower Upper
92 100
91 179.1 143.0 214.4



#62
4-Bromofluorobenzene
Concen: 18.915 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion: 95 Resp: 48110
Ion Ratio Lower Upper
95 100
174 98.9 0.0 201.8
176 93.7 0.0 191.8

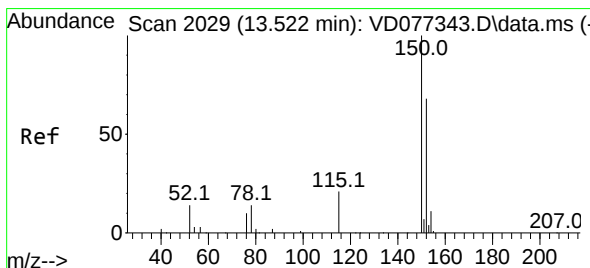
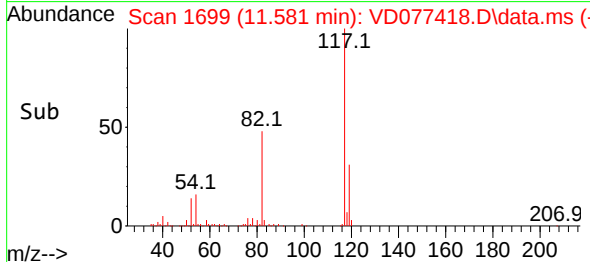
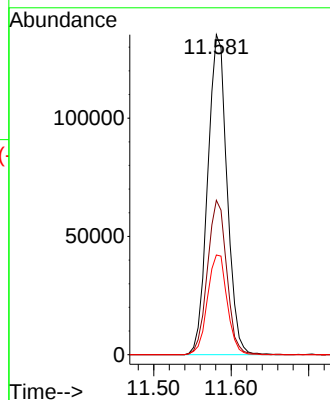
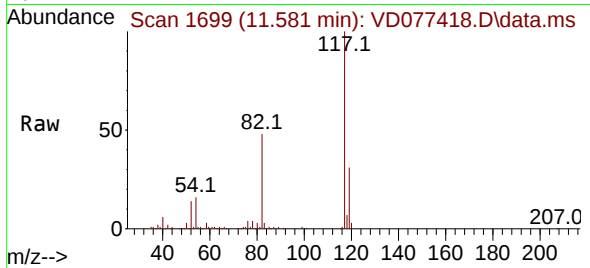




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

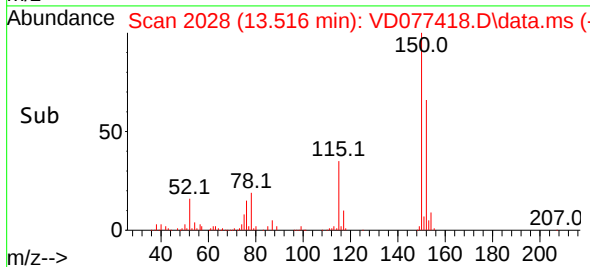
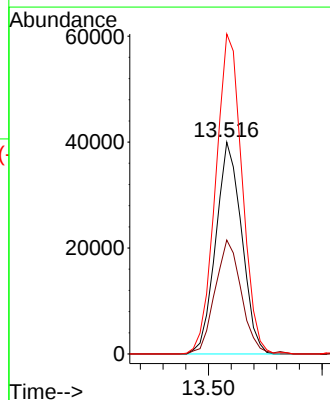
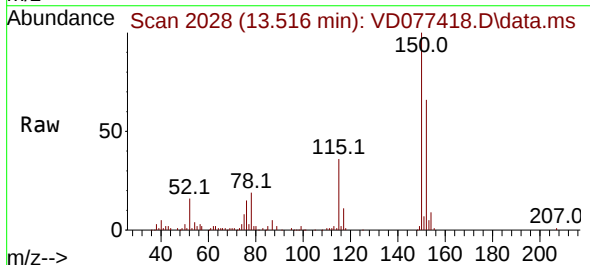
Instrument :
MSVOA_D
ClientSampleId :
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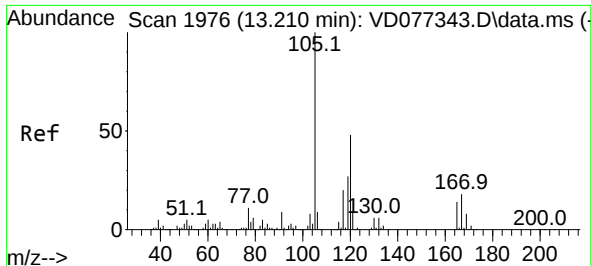
Tgt Ion:117 Resp: 233801
Ion Ratio Lower Upper
117 100
82 48.3 38.3 57.5
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion:152 Resp: 63371
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.3
150 154.4 0.0 353.6

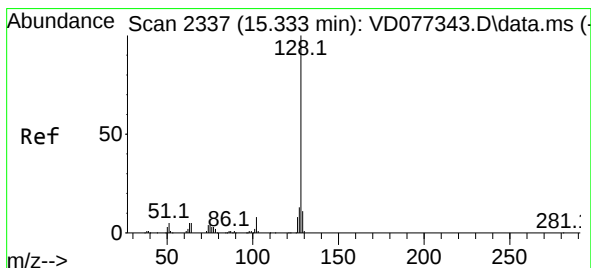
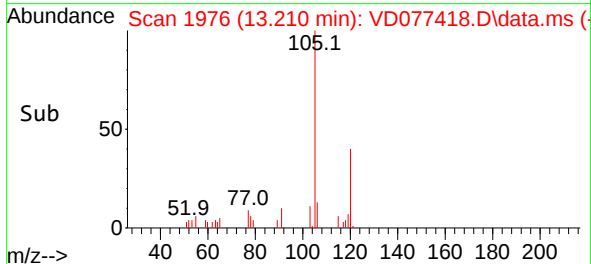
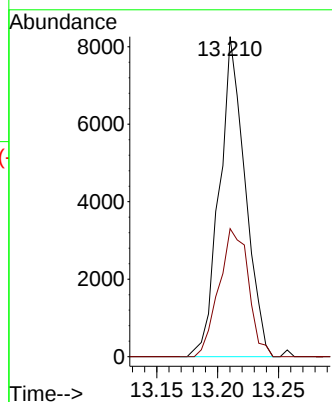
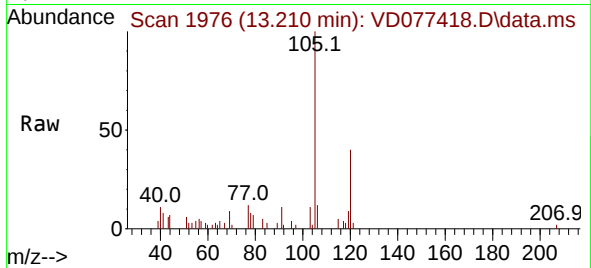




#84
1,2,4-Trimethylbenzene
Concen: 3.488 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Instrument :
MSVOA_D
ClientSampleId :
AUD-1059

Tgt Ion:105 Resp: 12149
Ion Ratio Lower Upper
105 100
120 45.7 24.3 72.9



#95
Naphthalene
Concen: 10.355 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD077418.D
Acq: 25 Oct 2023 17:02

Tgt Ion:128 Resp: 21310
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 7.8 8.7 13.1#

