

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077169.D
 Acq On : 20 Sep 2023 16:15
 Operator : JC/SY
 Sample : 04479-05
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1029

Quant Time: Sep 21 02:25:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

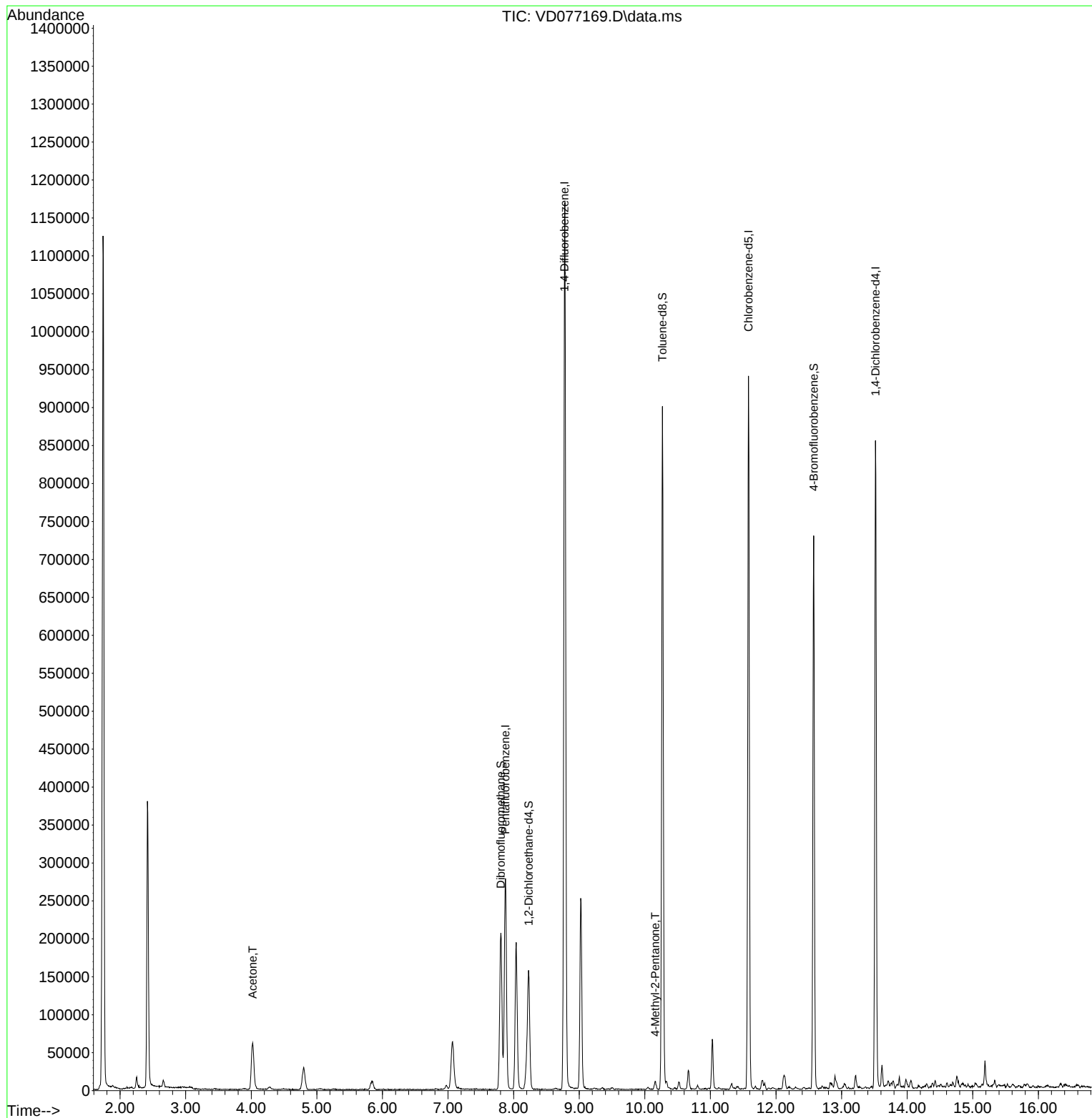
Internal Standards						
1) Pentafluorobenzene	7.875	168	225292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	535076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	564539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	237376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	112630	49.537	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.805	113	153585	41.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.640%
50) Toluene-d8	10.269	98	618015	46.717	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.440%
62) 4-Bromofluorobenzene	12.575	95	215415	52.537	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.080%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	106451	204.850	ug/l	87
51) 4-Methyl-2-Pentanone	10.157	43	7549	3.651	ug/l	89

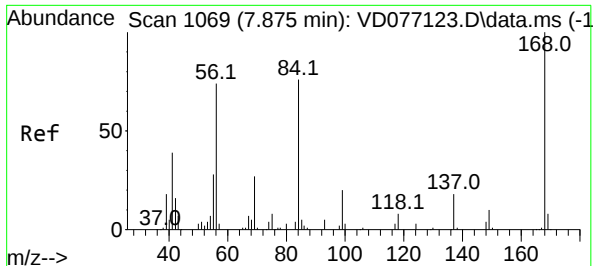
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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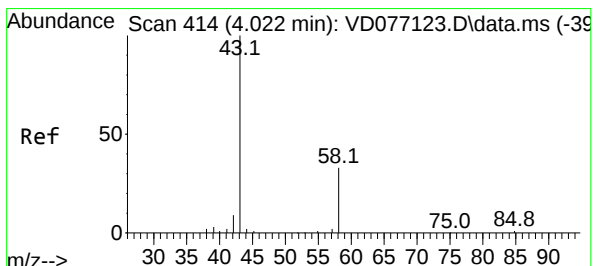
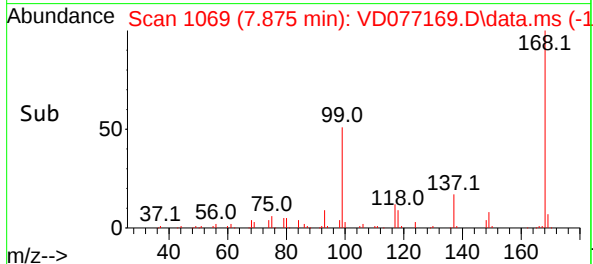
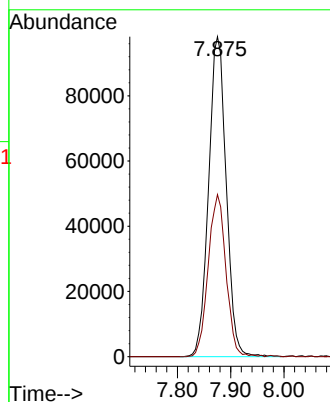
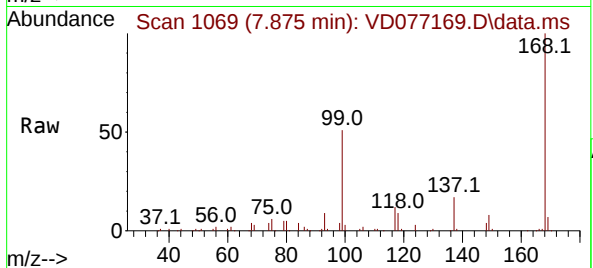




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077169.D
Acq: 20 Sep 2023 16:15

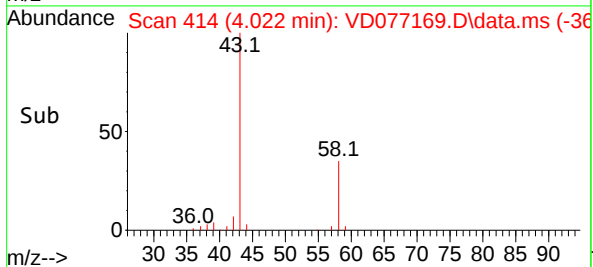
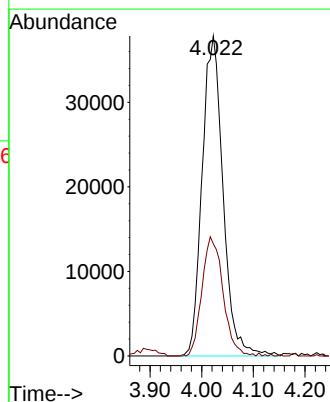
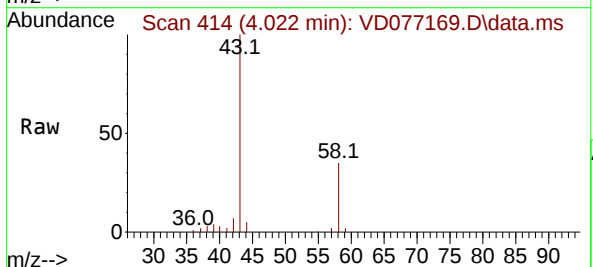
Instrument :
MSVOA_D
ClientSampleId :
1029

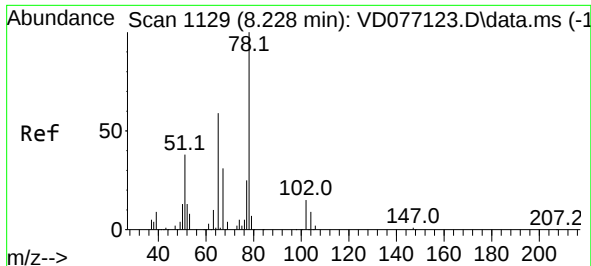
Tgt Ion:168 Resp: 225292
Ion Ratio Lower Upper
168 100
99 50.6 36.7 55.1



#16
Acetone
Concen: 204.850 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077169.D
Acq: 20 Sep 2023 16:15

Tgt Ion: 43 Resp: 106451
Ion Ratio Lower Upper
43 100
58 35.0 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 49.537 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077169.D

Acq: 20 Sep 2023 16:15

Instrument :

MSVOA_D

ClientSampleId :

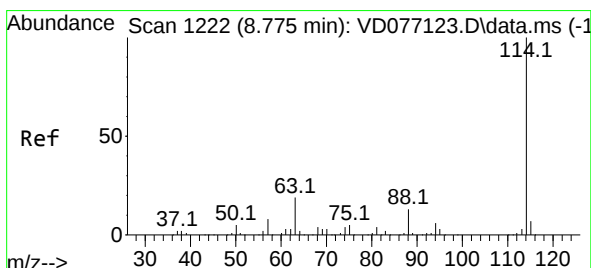
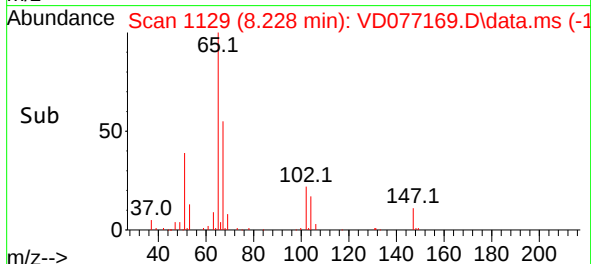
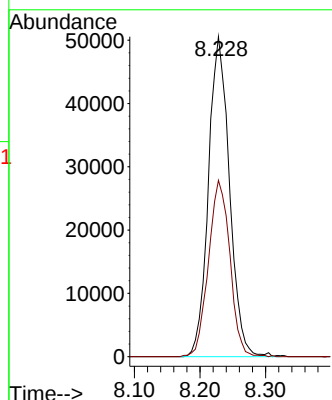
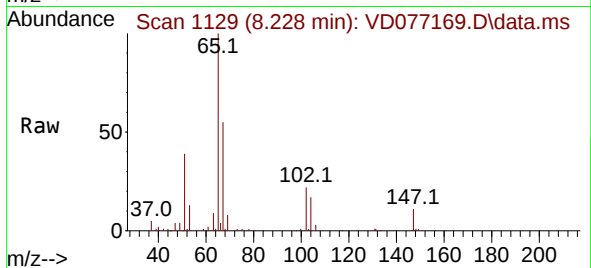
1029

Tgt Ion: 65 Resp: 112630

Ion Ratio Lower Upper

65 100

67 56.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077169.D

Acq: 20 Sep 2023 16:15

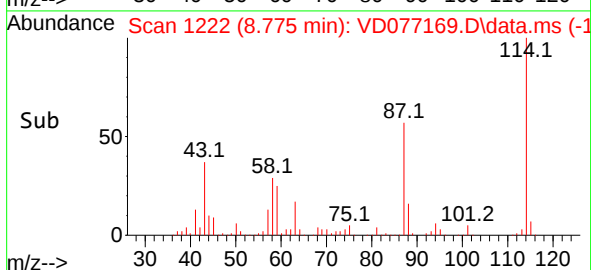
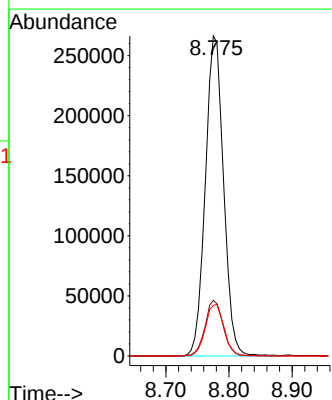
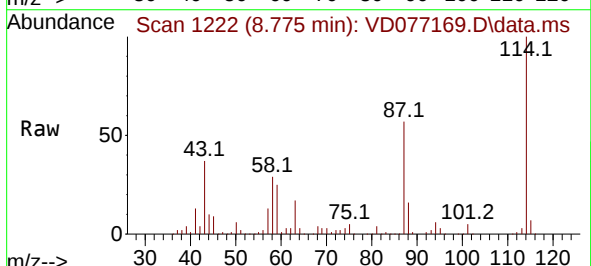
Tgt Ion: 114 Resp: 535076

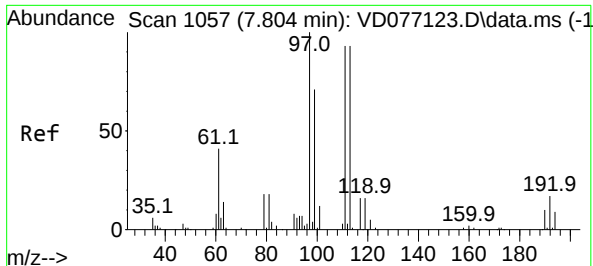
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.4

88 15.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 41.324 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077169.D

Acq: 20 Sep 2023 16:15

Instrument :

MSVOA_D

ClientSampleId :

1029

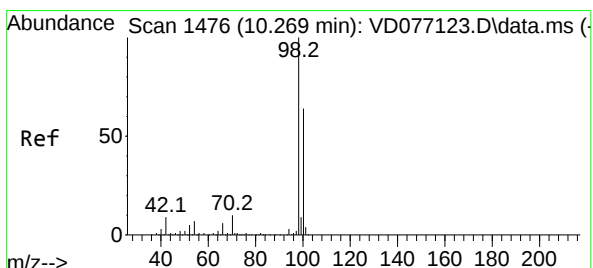
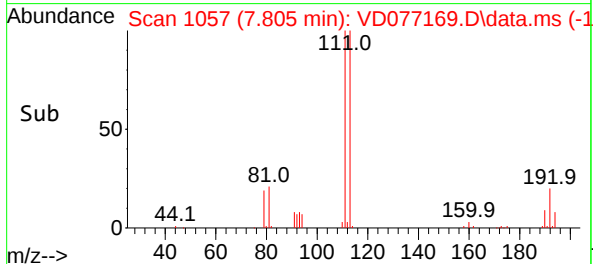
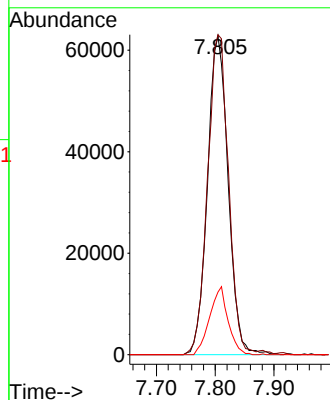
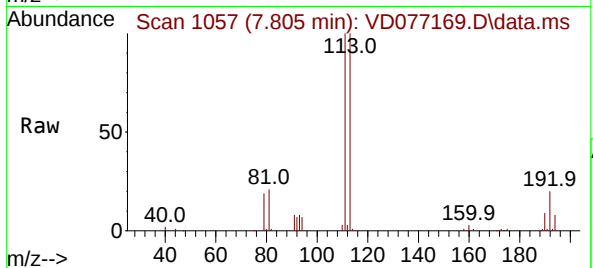
Tgt Ion:113 Resp: 153585

Ion Ratio Lower Upper

113 100

111 101.3 84.7 127.1

192 19.0 16.8 25.2



#50

Toluene-d8

Concen: 46.717 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077169.D

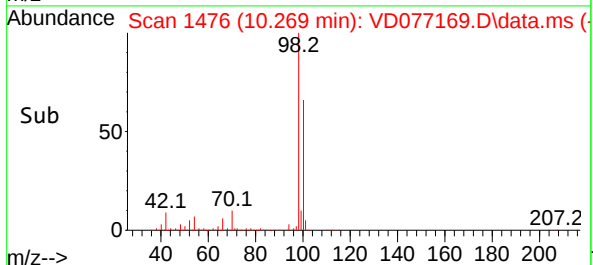
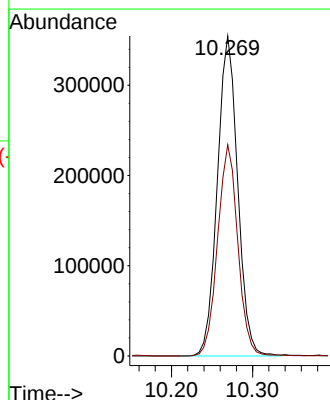
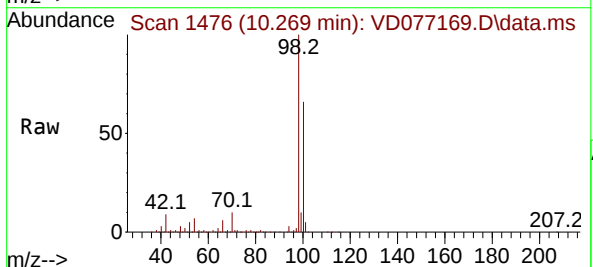
Acq: 20 Sep 2023 16:15

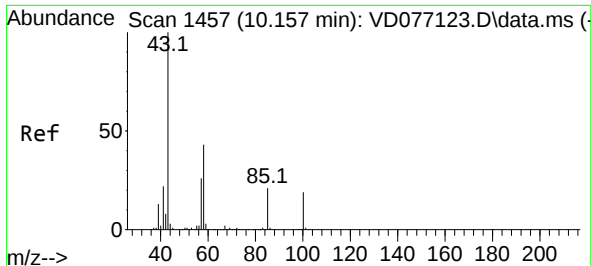
Tgt Ion: 98 Resp: 618015

Ion Ratio Lower Upper

98 100

100 65.6 50.3 75.5

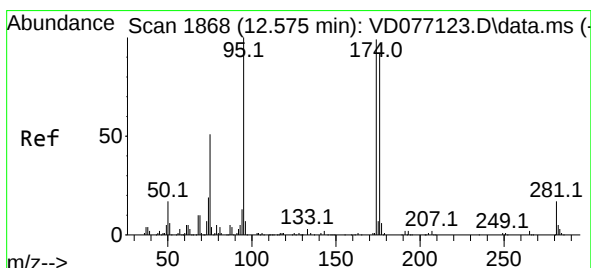
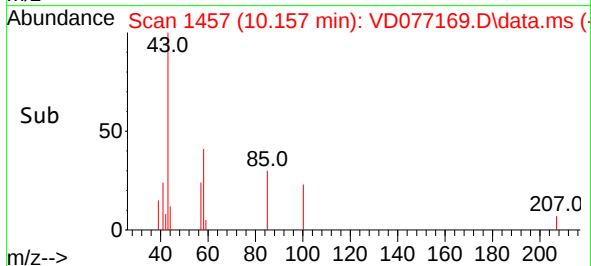
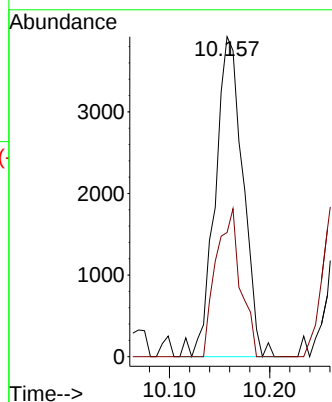
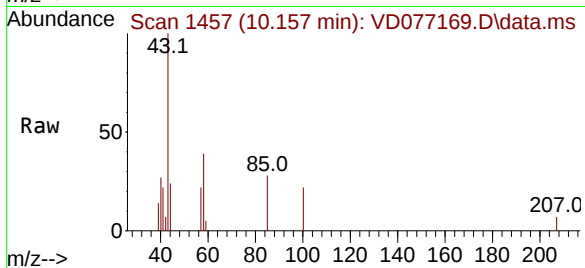




#51
4-Methyl-2-Pentanone
Concen: 3.651 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077169.D
Acq: 20 Sep 2023 16:15

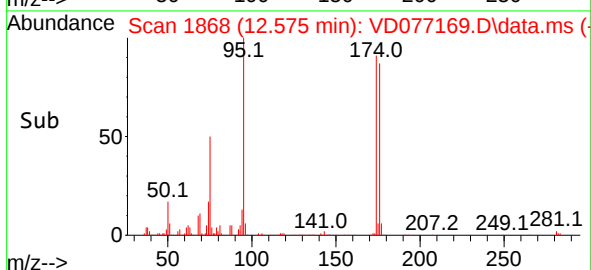
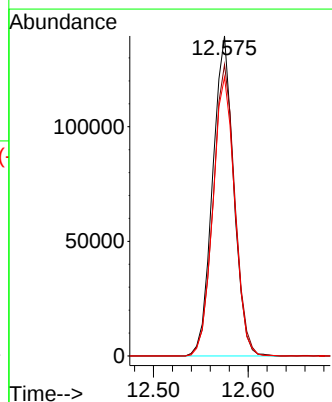
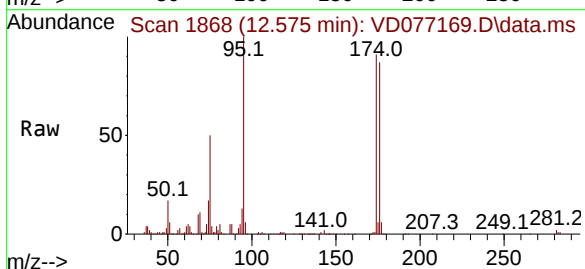
Instrument :
MSVOA_D
ClientSampleId :
1029

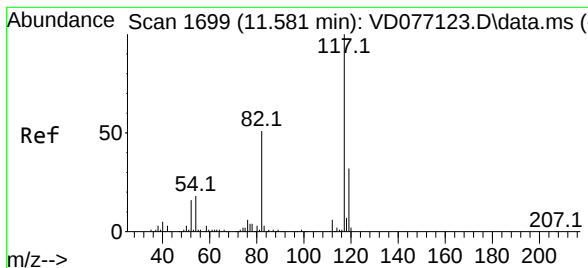
Tgt Ion: 43 Resp: 7549
Ion Ratio Lower Upper
43 100
58 40.9 38.9 58.3



#62
4-Bromofluorobenzene
Concen: 52.537 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077169.D
Acq: 20 Sep 2023 16:15

Tgt Ion: 95 Resp: 215415
Ion Ratio Lower Upper
95 100
174 93.8 0.0 201.8
176 90.3 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077169.D

Acq: 20 Sep 2023 16:15

Instrument :

MSVOA_D

ClientSampleId :

1029

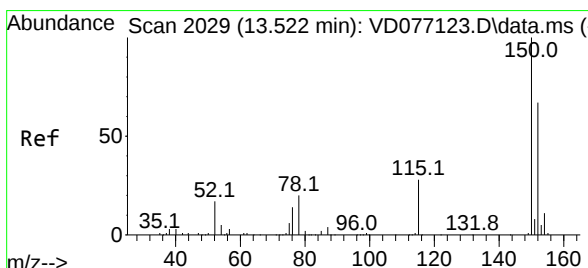
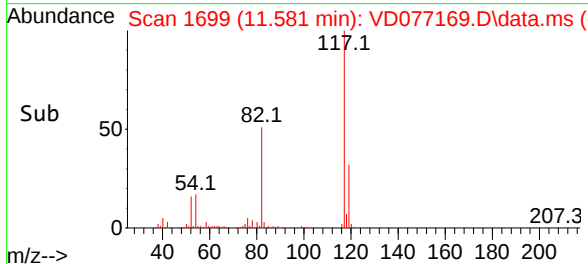
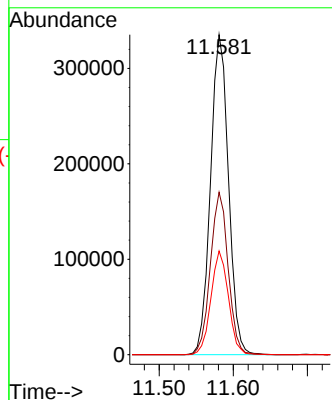
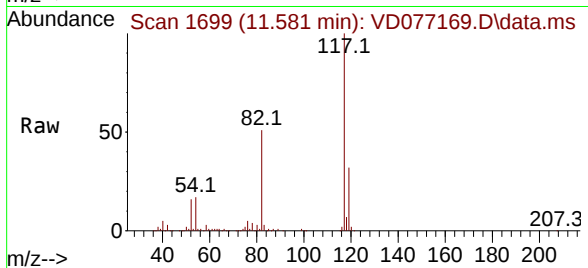
Tgt Ion:117 Resp: 564539

Ion Ratio Lower Upper

117 100

82 50.8 38.3 57.5

119 32.4 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: VD077169.D

Acq: 20 Sep 2023 16:15

Tgt Ion:152 Resp: 237376

Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.3

150 156.9 0.0 353.6

