

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092122\
 Data File : VD074387.D
 Acq On : 21 Sep 2022 14:17
 Operator : VA/SY
 Sample : N4641-08
 Misc : 5.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D22002-5.5

Quant Time: Sep 22 05:12:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

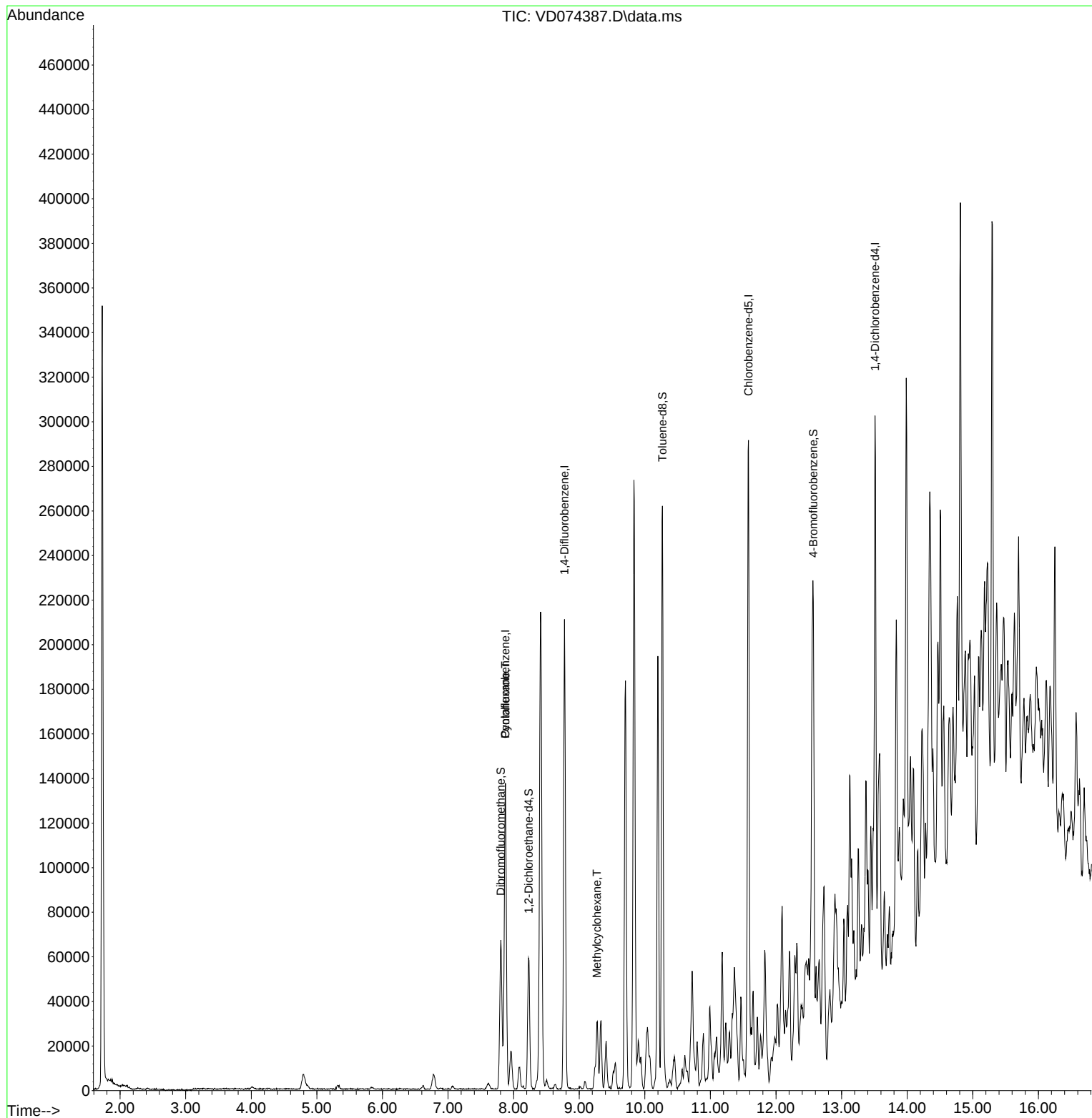
Internal Standards						
1) Pentafluorobenzene	7.875	168	99942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	183328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	151258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	58957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45431	46.670	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.340%
35) Dibromofluoromethane	7.805	113	47234	39.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.240%
50) Toluene-d8	10.269	98	168857	40.531	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.060%
62) 4-Bromofluorobenzene	12.569	95	53091	36.002	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	72.000%
Target Compounds						
31) Cyclohexane	7.875	56	3980	1.949	ug/l #	49
39) Methylcyclohexane	9.269	83	4413	1.979	ug/l #	44

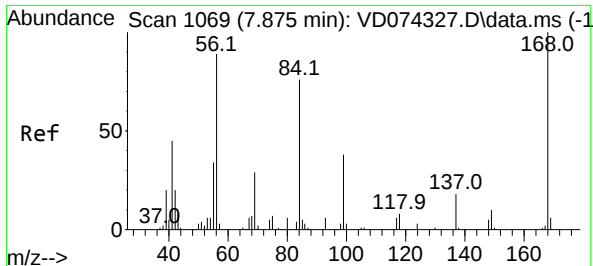
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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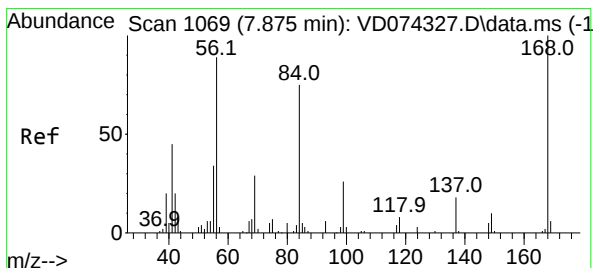
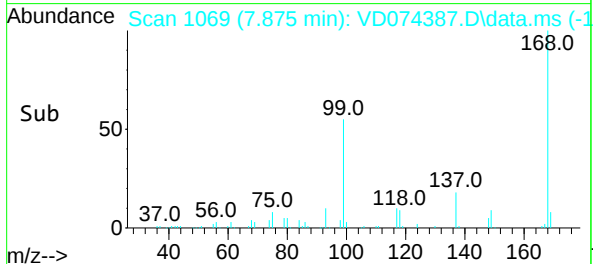
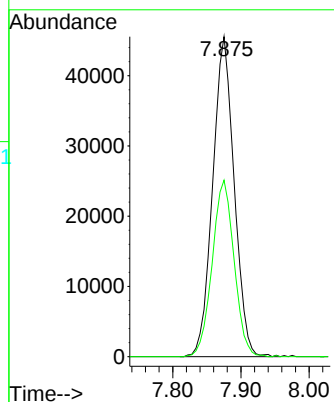
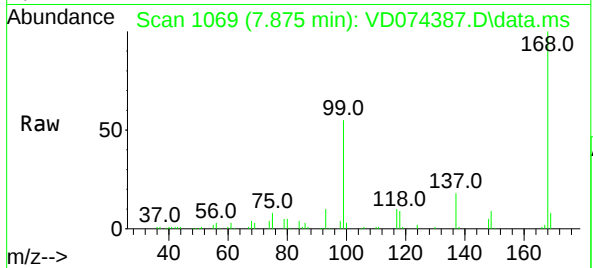




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

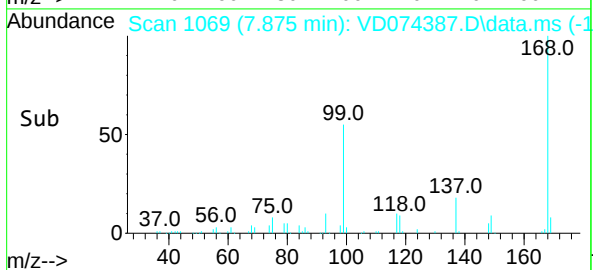
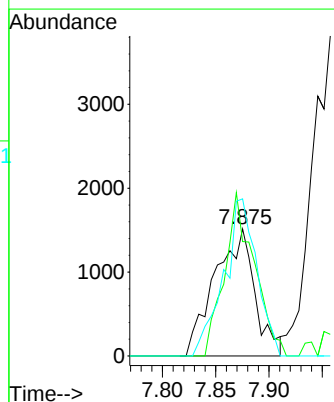
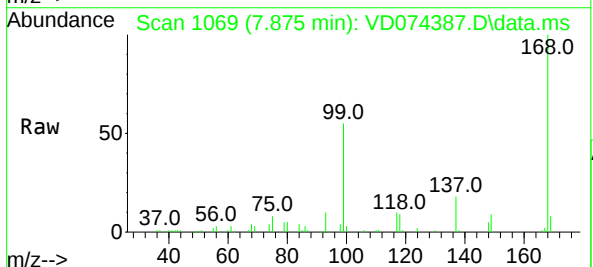
Instrument :
MSVOA_D
ClientSampleId :
D22002-5.5

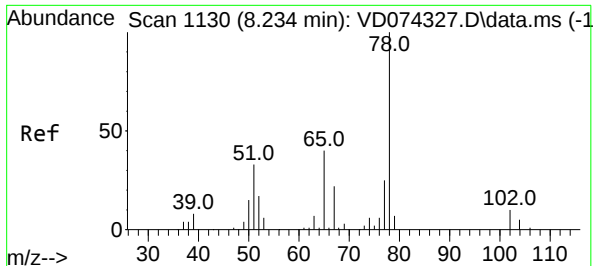
Tgt Ion:168 Resp: 99942
Ion Ratio Lower Upper
168 100
99 55.2 43.0 64.6



#31
Cyclohexane
Concen: 1.949 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 56 Resp: 3980
Ion Ratio Lower Upper
56 100
69 90.0 25.7 38.5#
84 123.6 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 46.670 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

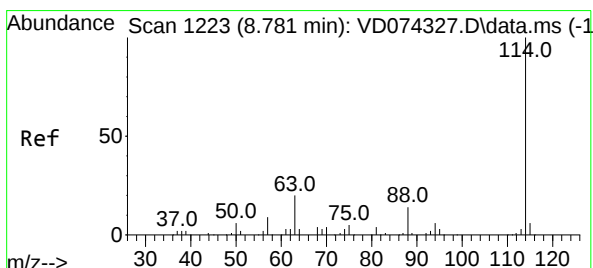
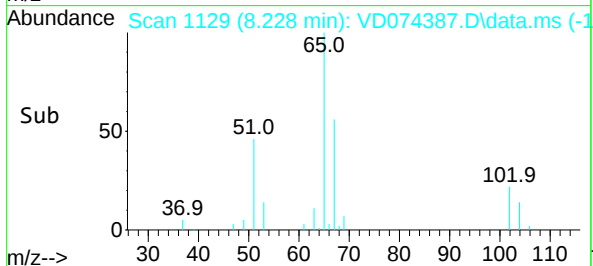
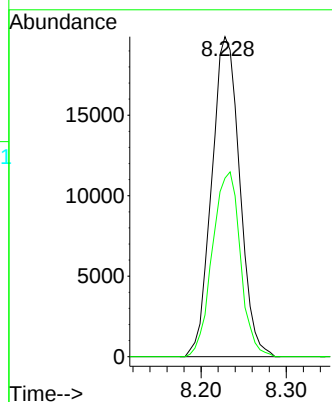
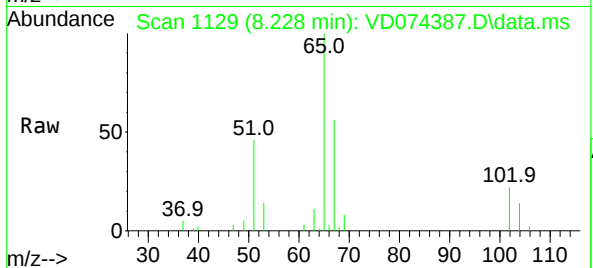
D22002-5.5

Tgt Ion: 65 Resp: 45431

Ion Ratio Lower Upper

65 100

67 57.7 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

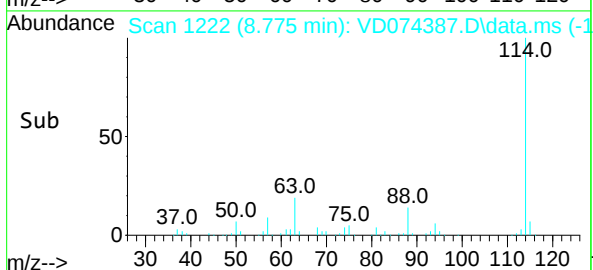
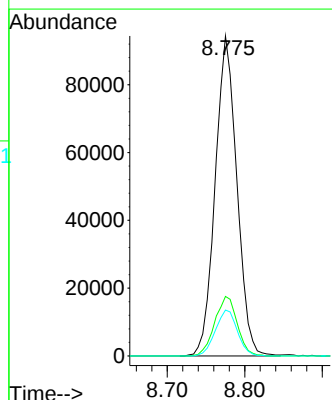
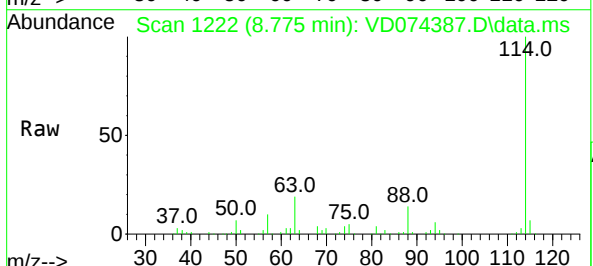
Tgt Ion: 114 Resp: 183328

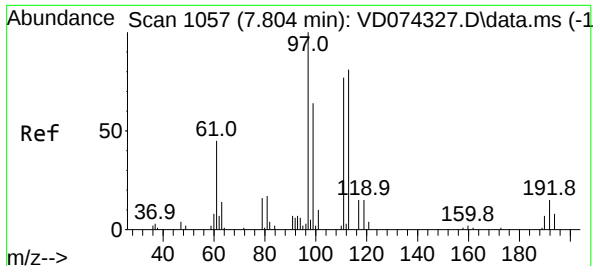
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.6

88 14.4 0.0 28.4





#35

Dibromofluoromethane

Concen: 39.120 ug/l

RT: 7.805 min Scan# 110

Delta R.T. 0.001 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

D22002-5.5

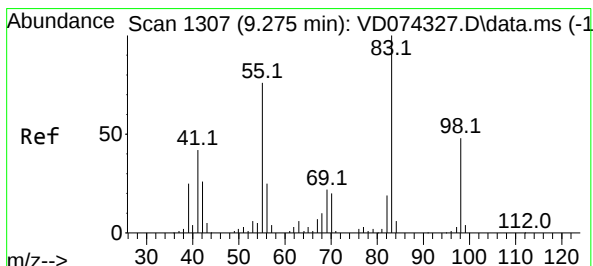
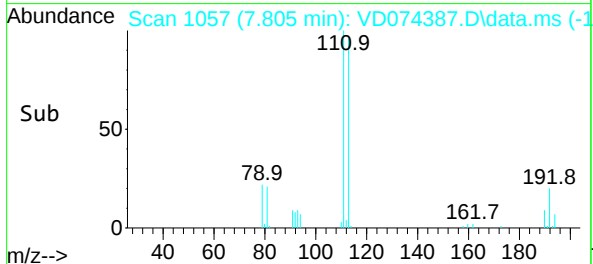
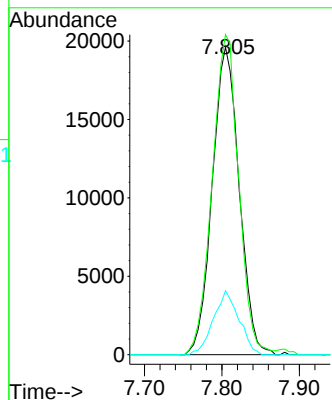
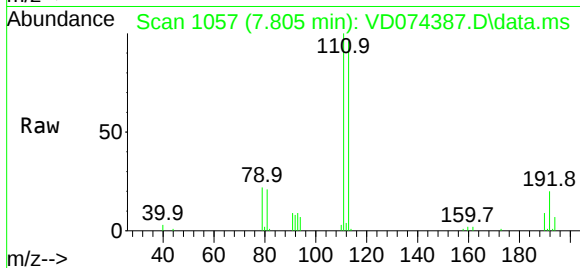
Tgt Ion:113 Resp: 47234

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

192 19.7 16.2 24.2



#39

Methylcyclohexane

Concen: 1.979 ug/l

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

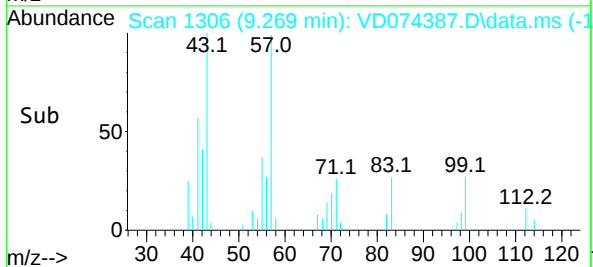
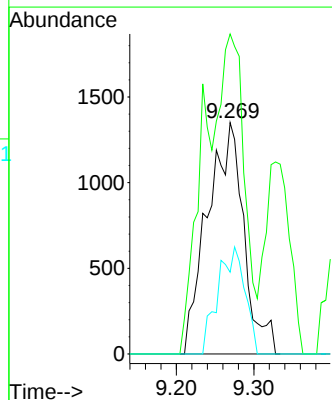
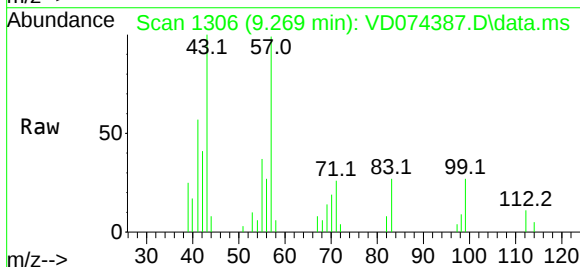
Tgt Ion: 83 Resp: 4413

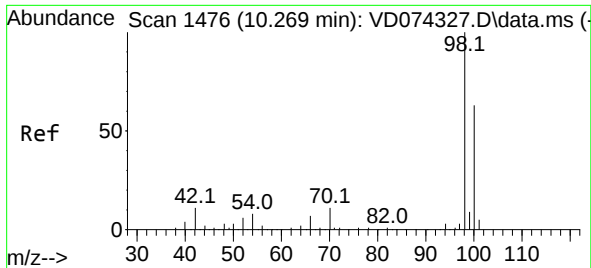
Ion Ratio Lower Upper

83 100

55 138.3 57.2 85.8#

98 35.3 38.3 57.5#

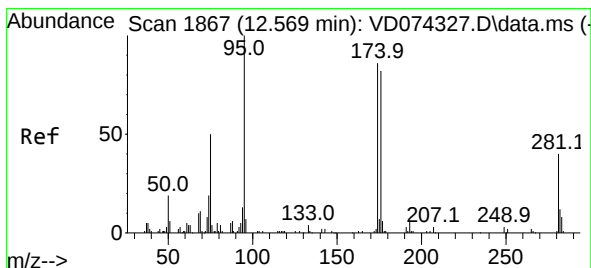
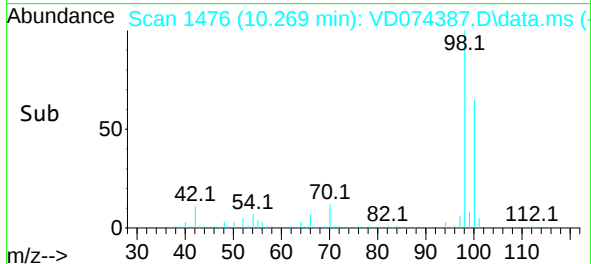
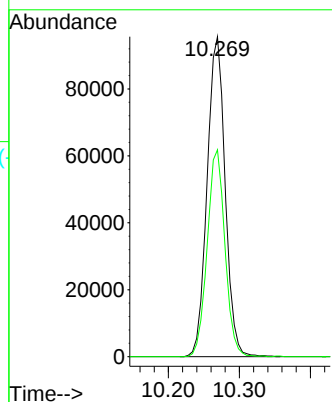
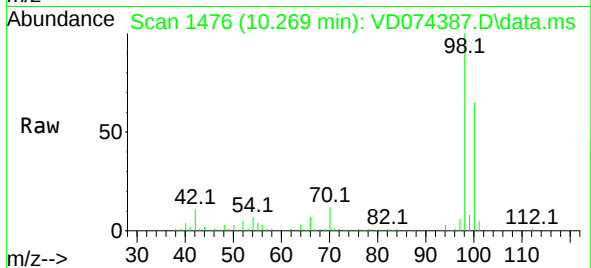




#50
Toluene-d8
Concen: 40.531 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

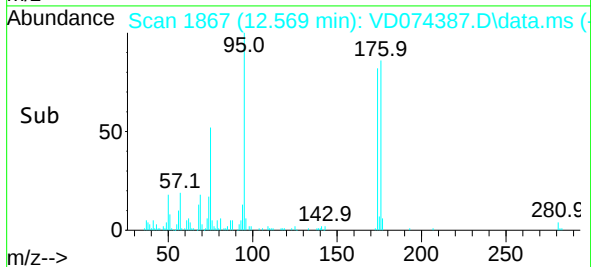
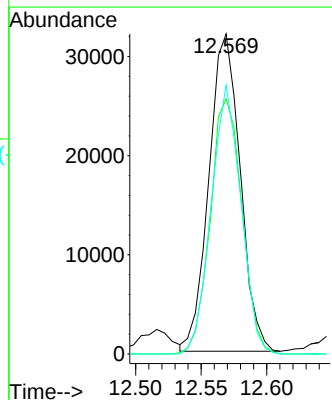
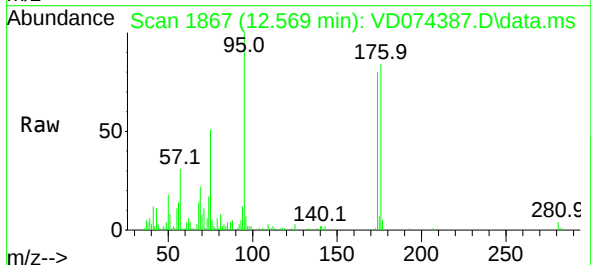
Instrument :
MSVOA_D
ClientSampleId :
D22002-5.5

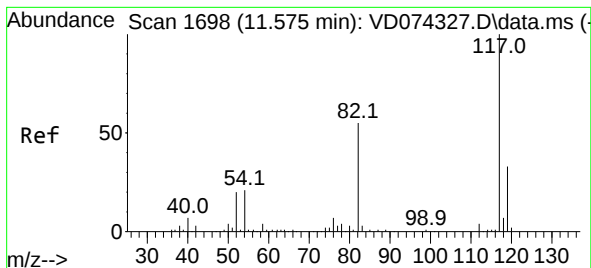
Tgt Ion: 98 Resp: 168857
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 36.002 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074387.D
Acq: 21 Sep 2022 14:17

Tgt Ion: 95 Resp: 53091
Ion Ratio Lower Upper
95 100
174 81.3 0.0 179.2
176 80.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. 0.006 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

D22002-5.5

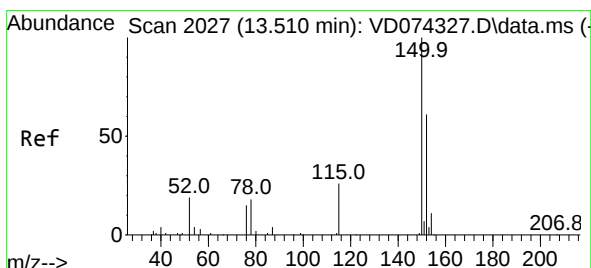
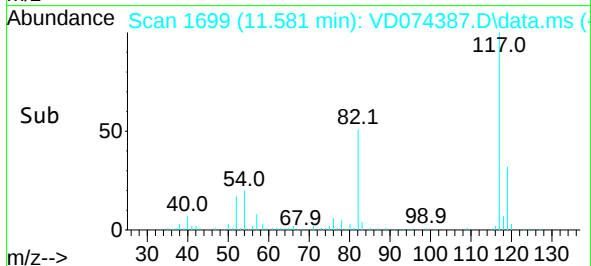
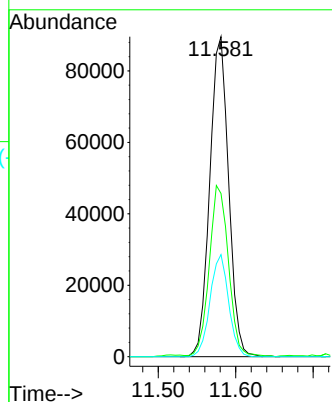
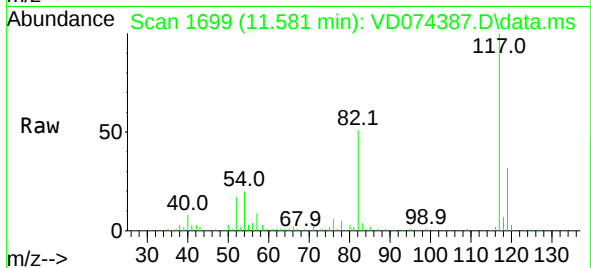
Tgt Ion:117 Resp: 151258

Ion Ratio Lower Upper

117 100

82 50.8 44.2 66.2

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 2027

Delta R.T. 0.000 min

Lab File: VD074387.D

Acq: 21 Sep 2022 14:17

Tgt Ion:152 Resp: 58957

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

150 150.2 0.0 351.0

