

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080822\
 Data File : VD073983.D
 Acq On : 08 Aug 2022 20:23
 Operator : VA/SY
 Sample : N3995-02
 Misc : 4.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Aug 08 23:27:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:36:42 2022
 Response via : Initial Calibration

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

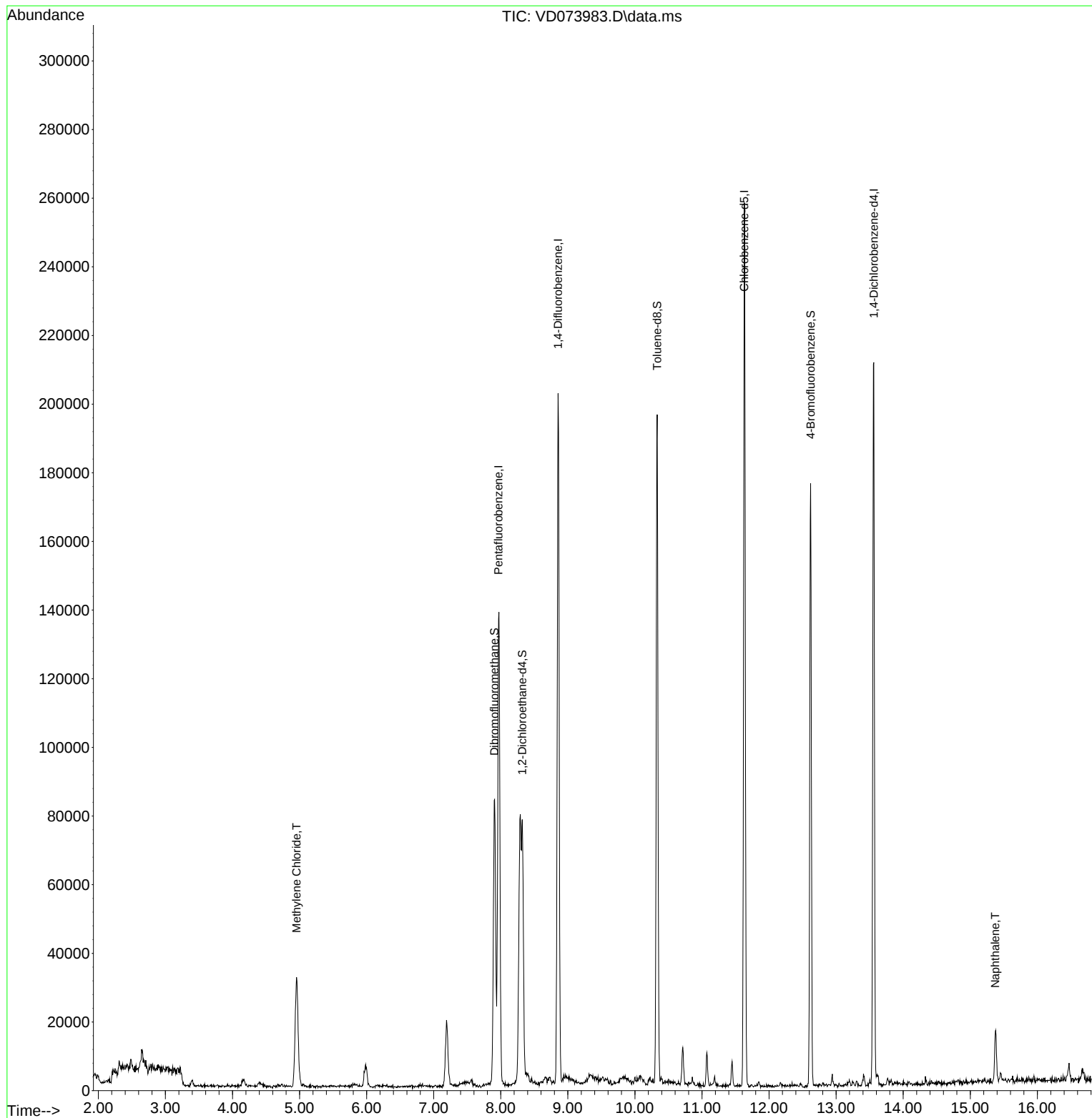
Internal Standards						
1) Pentafluorobenzene	7.967	168	98389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	172517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	145608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	54952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	50247	68.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	137.980%
35) Dibromofluoromethane	7.902	113	58631	55.164	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.320%
50) Toluene-d8	10.332	98	131145	44.346	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.700%
62) 4-Bromofluorobenzene	12.620	95	54399	38.405	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.800%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.956	84	23737	12.054	ug/l	94
95) Naphthalene	15.373	128	14271	8.185	ug/l	96

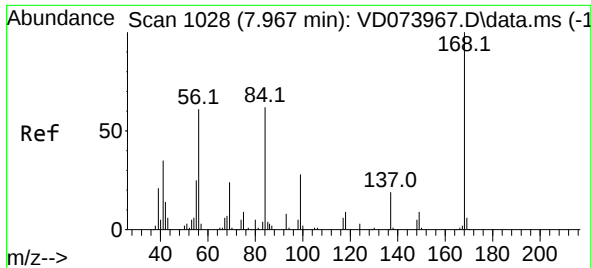
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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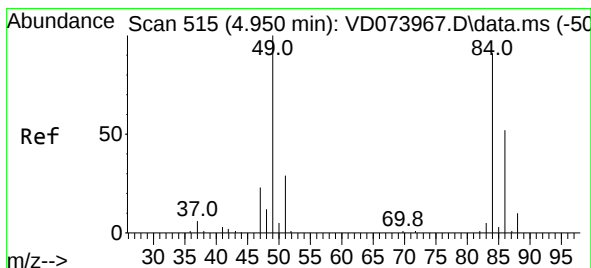
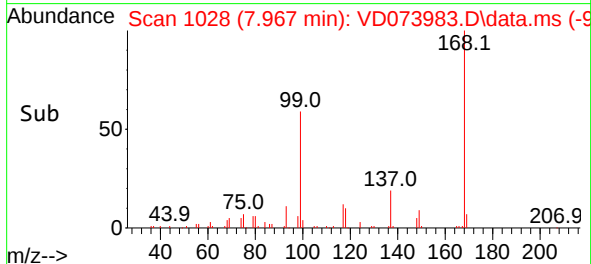
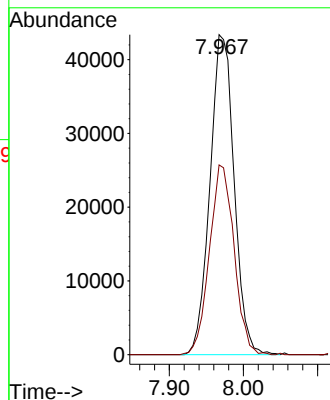
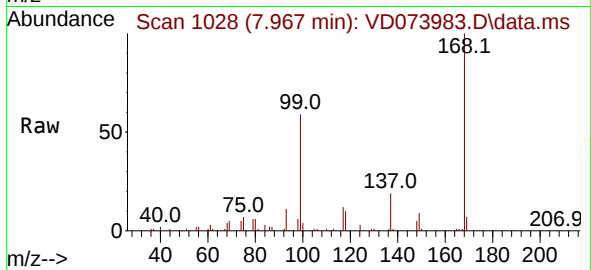




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

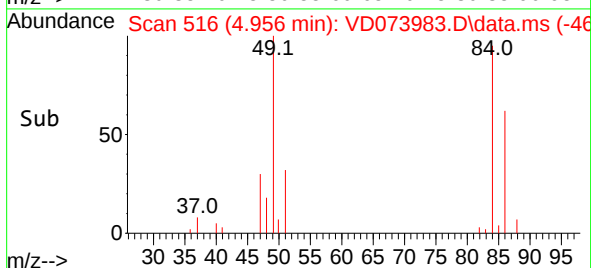
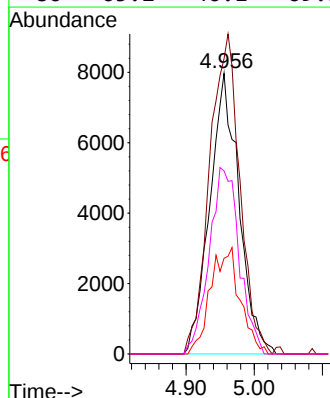
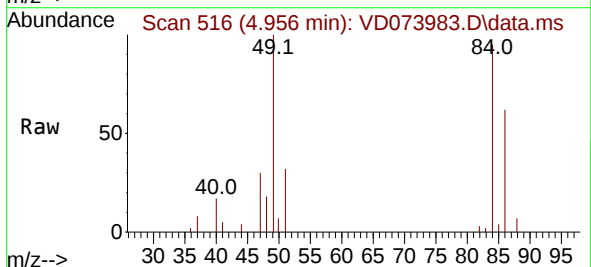
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

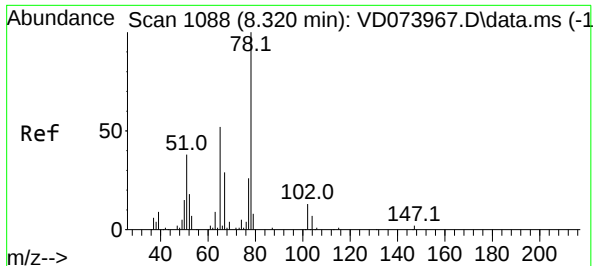
Tgt Ion:168 Resp: 98389
Ion Ratio Lower Upper
168 100
99 59.3 46.2 69.4



#20
Methylene Chloride
Concen: 12.054 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Tgt Ion: 84 Resp: 23737
Ion Ratio Lower Upper
84 100
49 105.2 87.9 131.9
51 34.1 25.7 38.5
86 65.2 46.1 69.1





#33

1,2-Dichloroethane-d4

Concen: 68.987 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

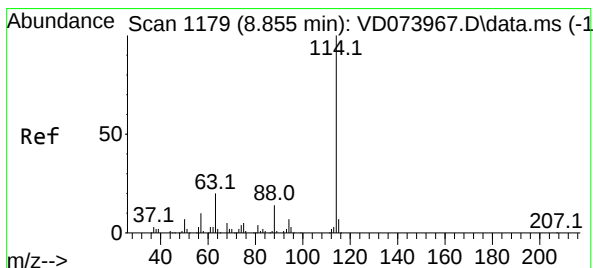
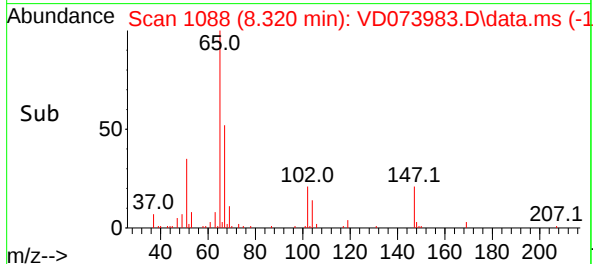
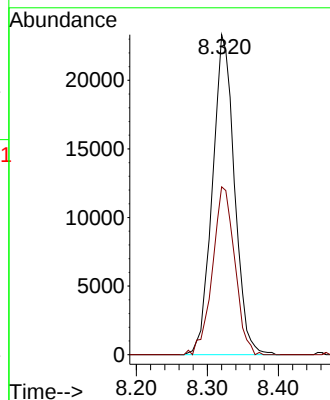
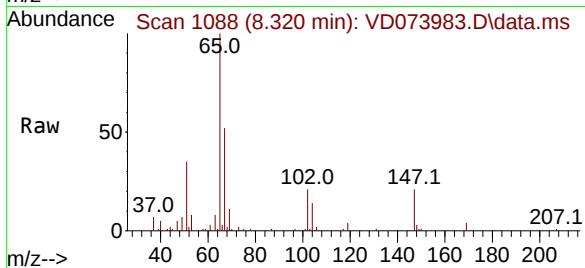
COMP-2

Tgt Ion: 65 Resp: 50247

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

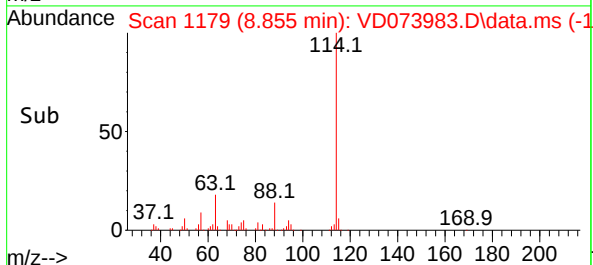
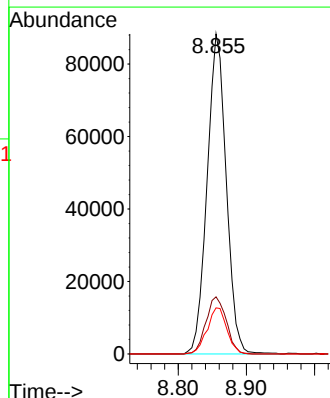
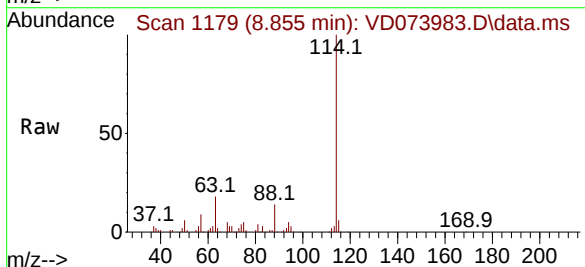
Tgt Ion: 114 Resp: 172517

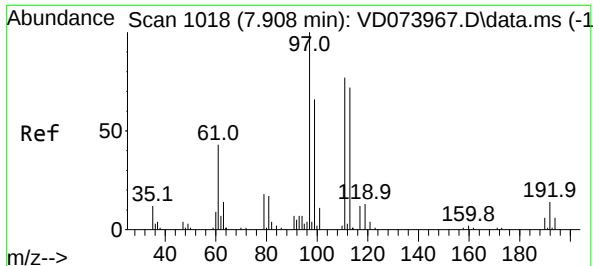
Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.8

88 14.4 0.0 28.0





#35

Dibromofluoromethane

Concen: 55.164 ug/l

RT: 7.902 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

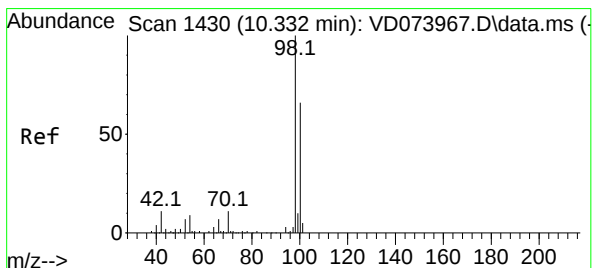
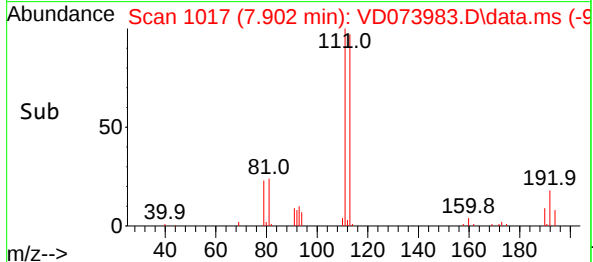
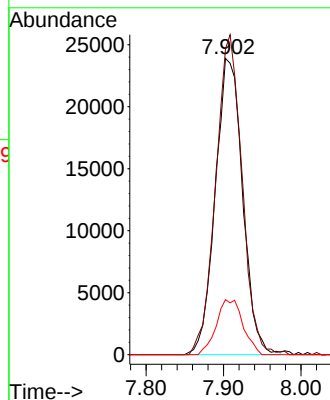
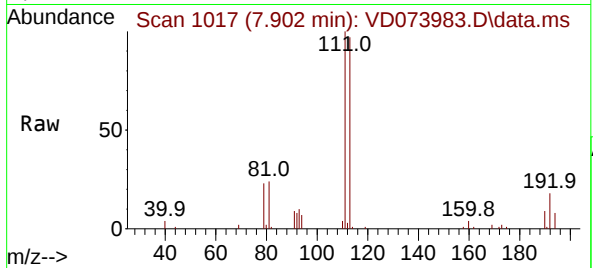
Tgt Ion:113 Resp: 58631

Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

192 18.1 14.8 22.2



#50

Toluene-d8

Concen: 44.346 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073983.D

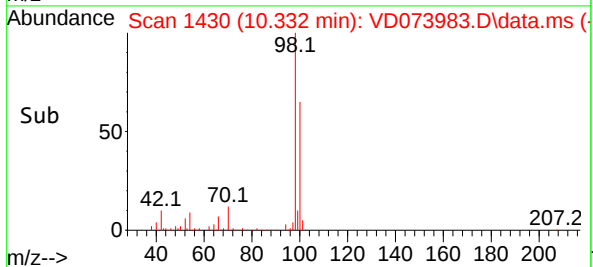
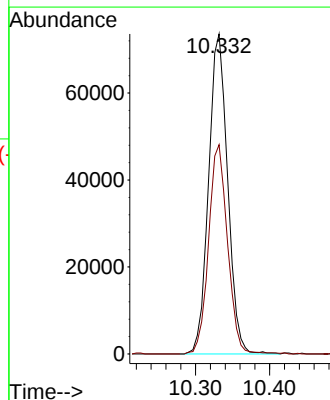
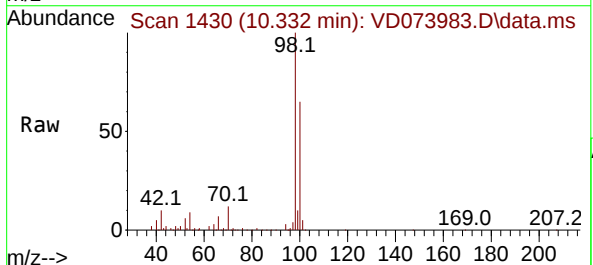
Acq: 08 Aug 2022 20:23

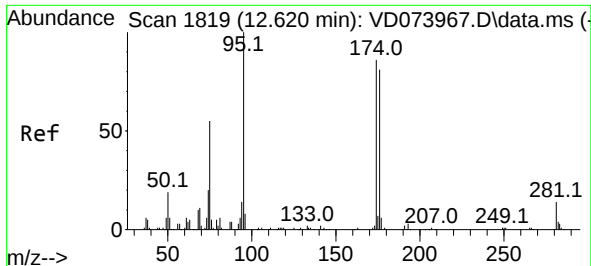
Tgt Ion: 98 Resp: 131145

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

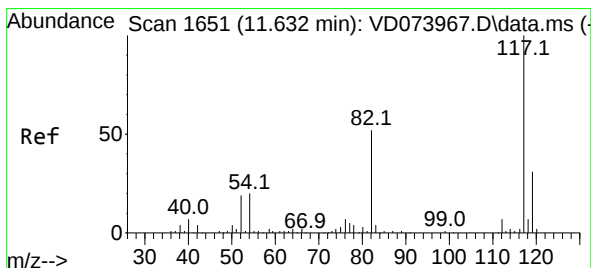
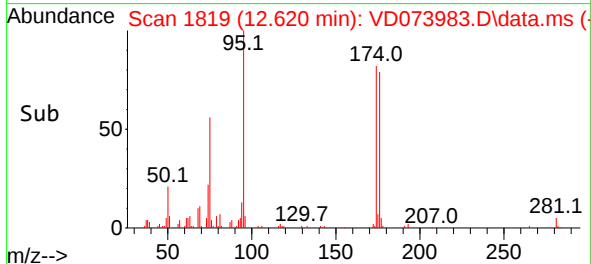
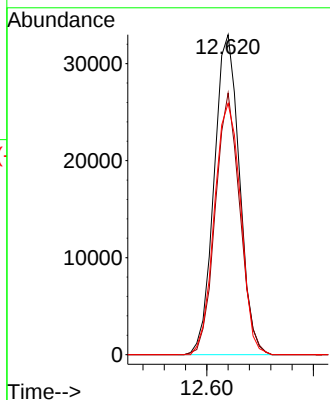
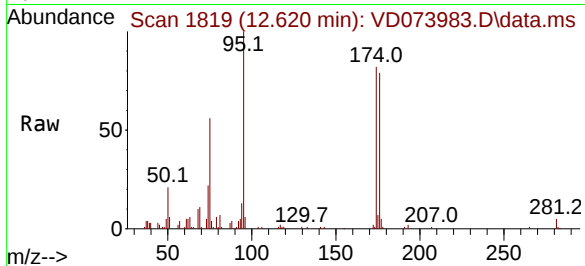




#62
4-Bromofluorobenzene
Concen: 38.405 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

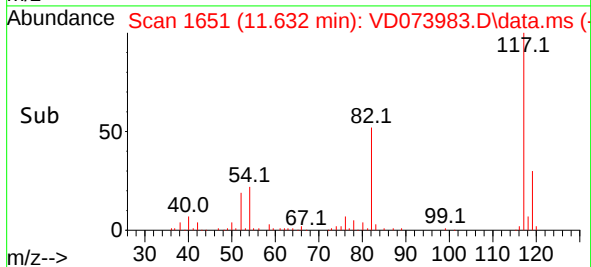
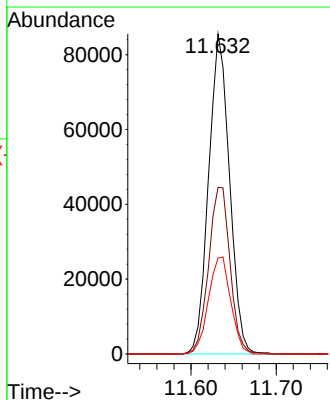
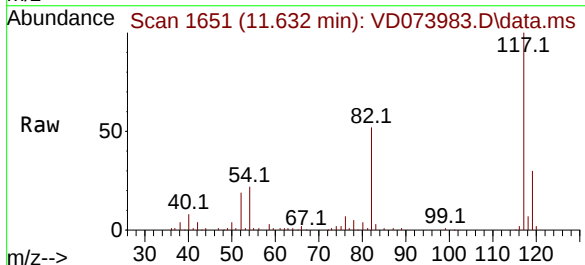
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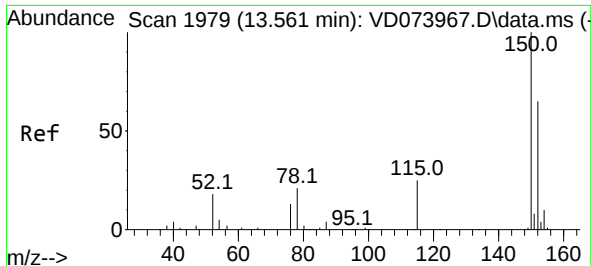
Tgt Ion: 95 Resp: 54399
Ion Ratio Lower Upper
95 100
174 79.2 0.0 163.0
176 81.6 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Tgt Ion: 117 Resp: 145608
Ion Ratio Lower Upper
117 100
82 52.1 42.0 63.0
119 29.9 24.8 37.2

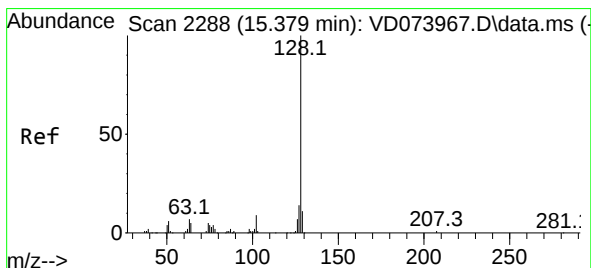
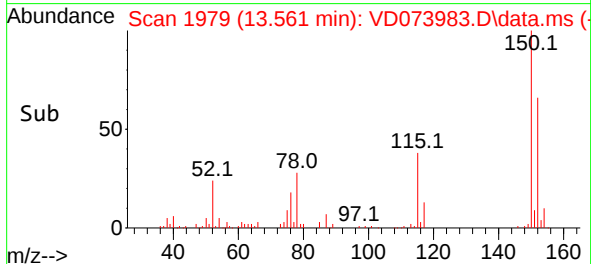
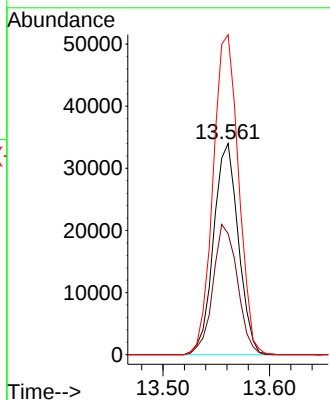
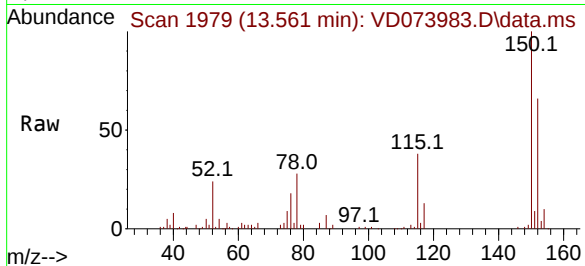




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073983.D
 Acq: 08 Aug 2022 20:23

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Tgt Ion:152 Resp: 54952
 Ion Ratio Lower Upper
 152 100
 115 60.9 30.4 91.3
 150 155.6 0.0 357.2



#95
 Naphthalene
 Concen: 8.185 ug/l
 RT: 15.373 min Scan# 2287
 Delta R.T. -0.006 min
 Lab File: VD073983.D
 Acq: 08 Aug 2022 20:23

Tgt Ion:128 Resp: 14271
 Ion Ratio Lower Upper
 128 100
 127 11.6 10.9 16.3
 129 11.8 8.5 12.7

