

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073300.D
 Acq On : 24 May 2022 00:30
 Operator : VA/SY
 Sample : N2885-20
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P014-SS002-1824-01

Quant Time: May 24 03:31:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

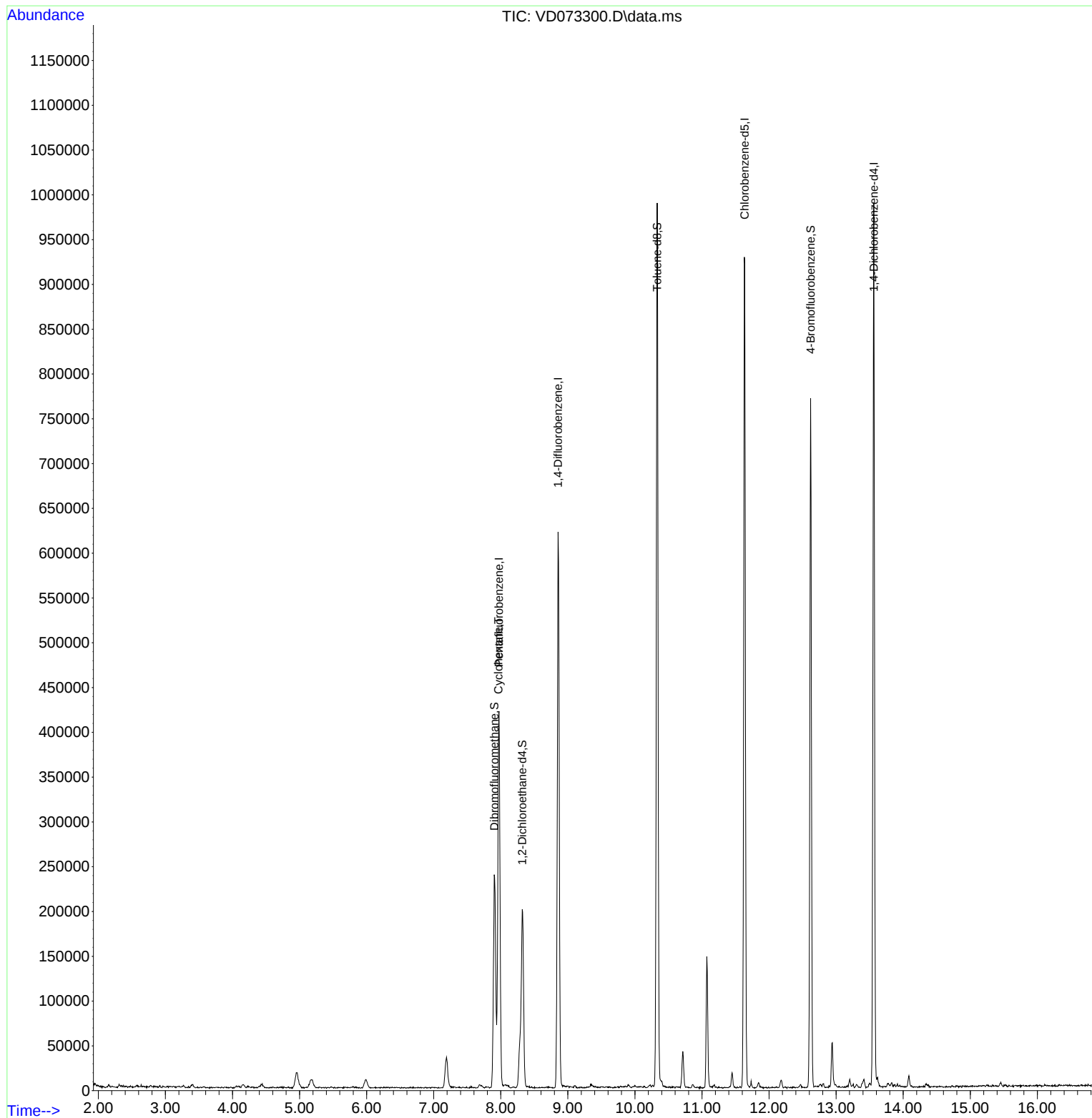
Internal Standards						
1) Pentafluorobenzene	7.973	168	299485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	527082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	549081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	156411	47.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.520%
35) Dibromofluoromethane	7.903	113	175115	50.349	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.700%
50) Toluene-d8	10.332	98	657038	51.247	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.500%
62) 4-Bromofluorobenzene	12.620	95	237543	52.795	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.580%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.967	56	8106	1.401	ug/l #	4

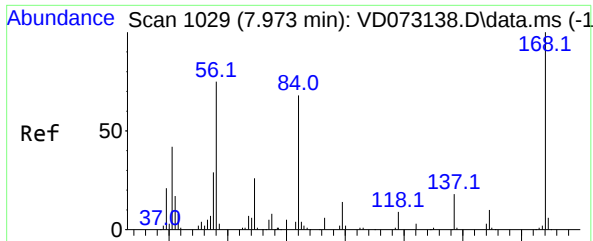
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

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MSVOA_D

ClientSampleId :

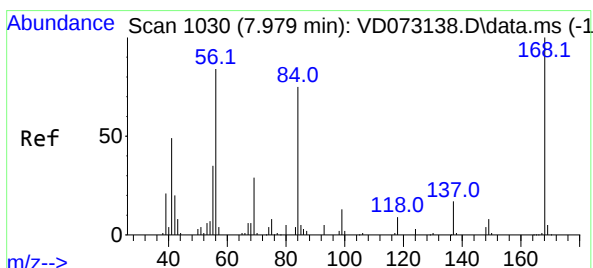
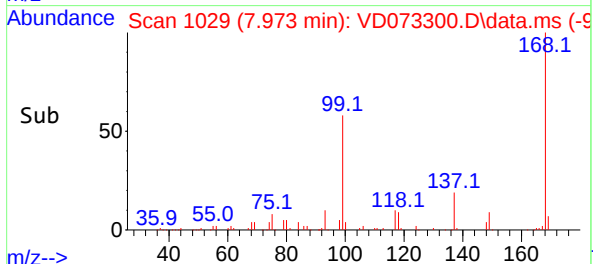
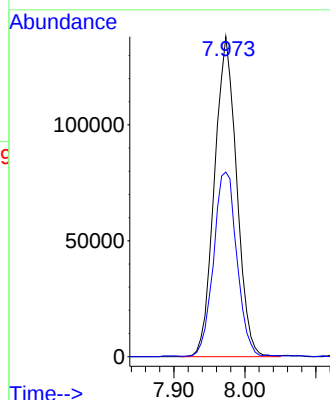
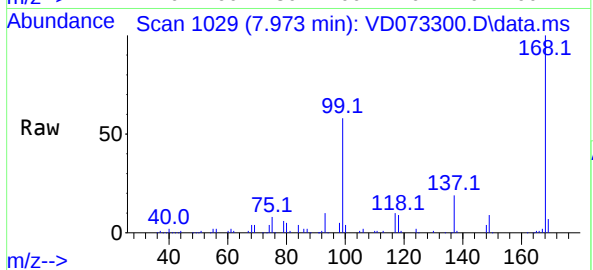
P014-SS002-1824-01

Tgt Ion:168 Resp: 299485

Ion Ratio Lower Upper

168 100

99 57.6 49.8 74.6



Cyclohexane

Concen: 1.401 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073300.D

Acq: 24 May 2022 00:30

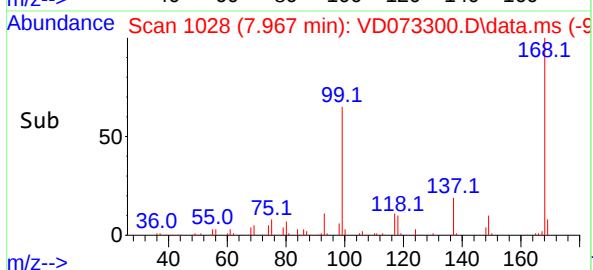
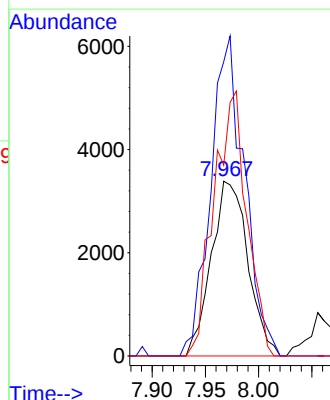
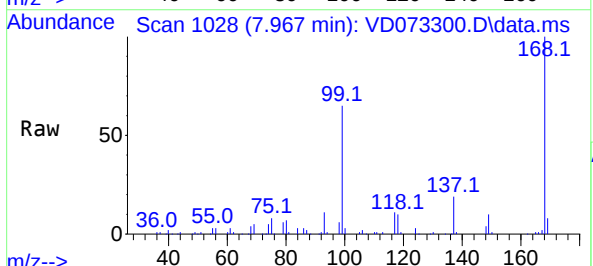
Tgt Ion: 56 Resp: 8106

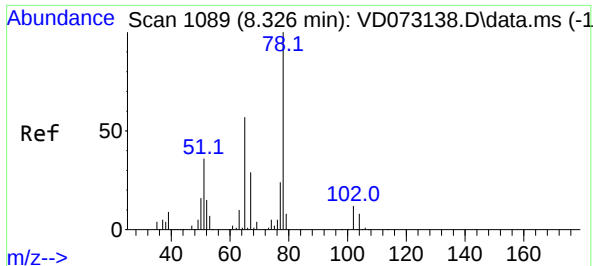
Ion Ratio Lower Upper

56 100

69 168.4 25.4 38.2#

84 109.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.258 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073300.D

Acq: 24 May 2022 00:30

Instrument :

MSVOA_D

ClientSampleId :

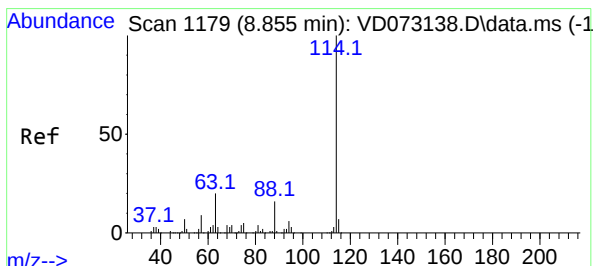
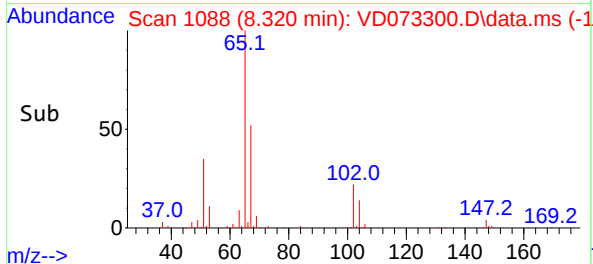
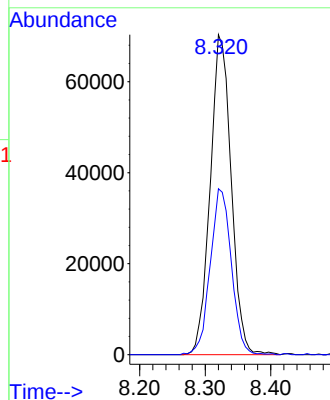
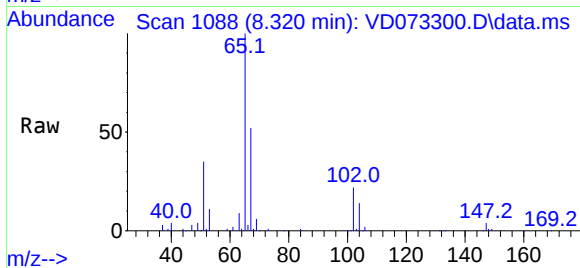
P014-SS002-1824-01

Tgt Ion: 65 Resp: 156411

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073300.D

Acq: 24 May 2022 00:30

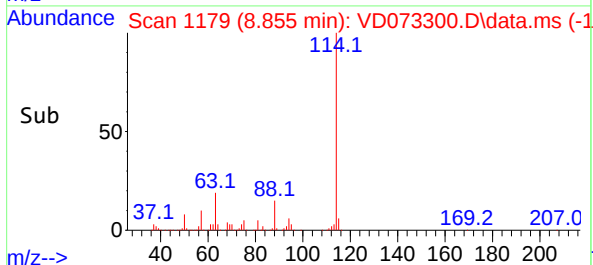
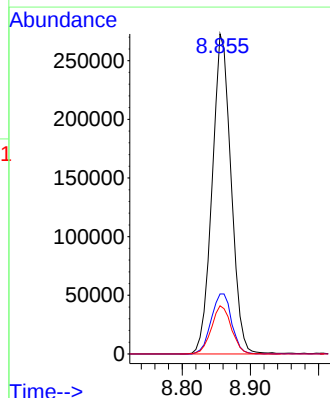
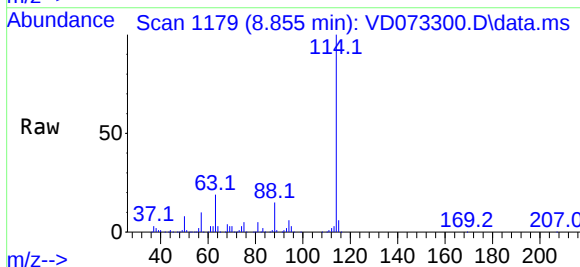
Tgt Ion: 114 Resp: 527082

Ion Ratio Lower Upper

114 100

63 18.8 0.0 46.6

88 15.1 0.0 33.2

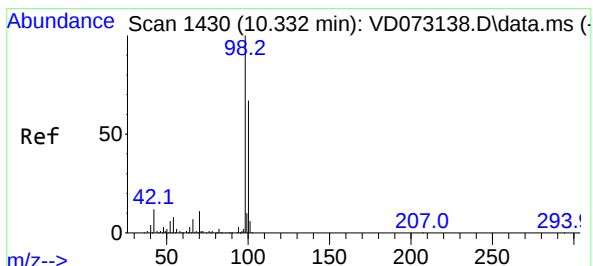
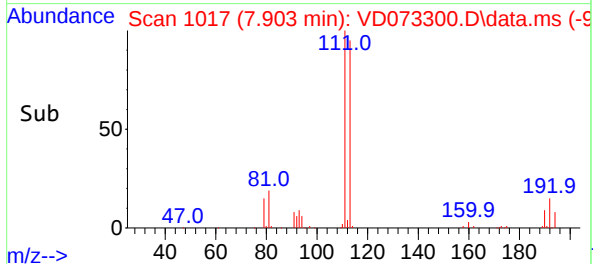
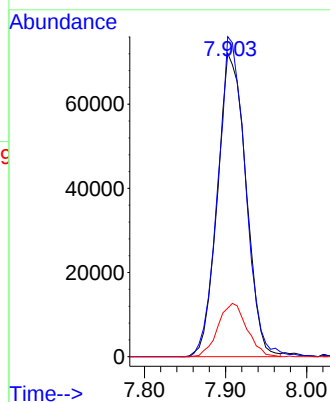
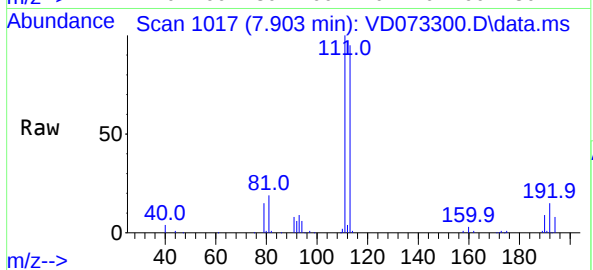




#35
Dibromofluoromethane
Concen: 50.349 ug/l
RT: 7.903 min Scan# 1019
Delta R.T. -0.011 min
Lab File: VD073300.D
Acq: 24 May 2022 00:30

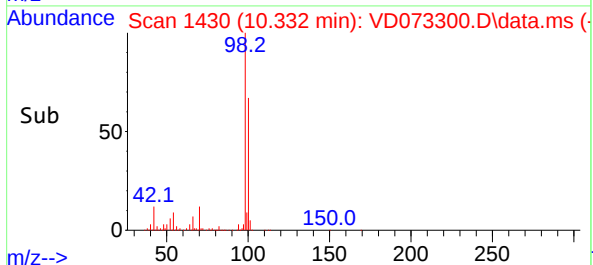
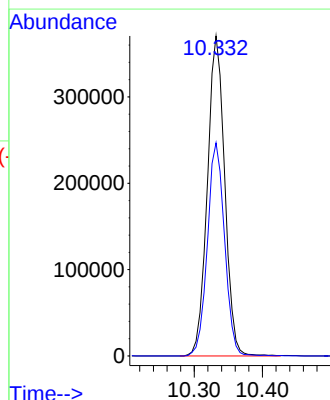
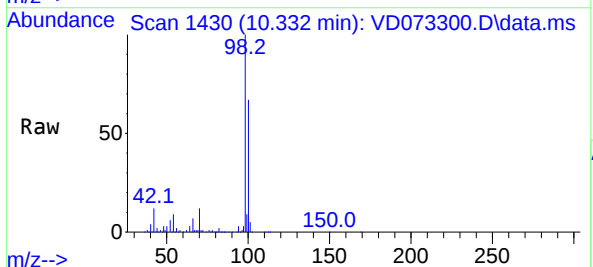
Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-1824-01

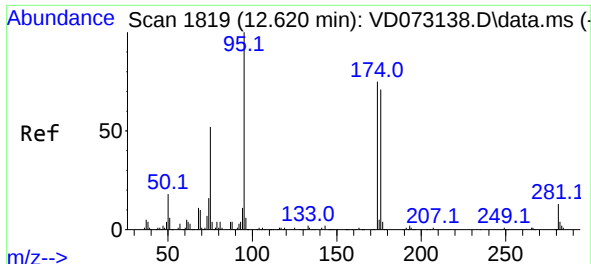
Tgt Ion:113 Resp: 175115
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.6
192 17.9 14.6 21.8



#50
Toluene-d8
Concen: 51.247 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073300.D
Acq: 24 May 2022 00:30

Tgt Ion: 98 Resp: 657038
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

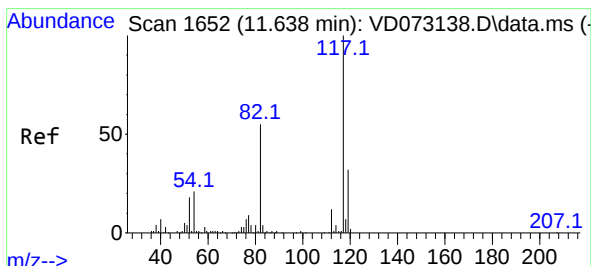
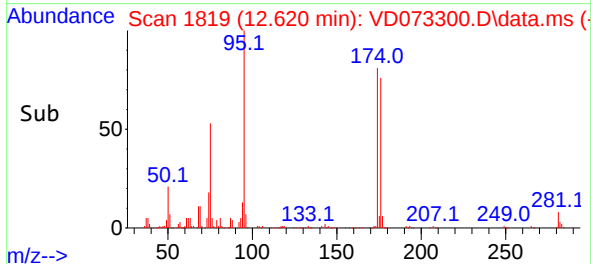
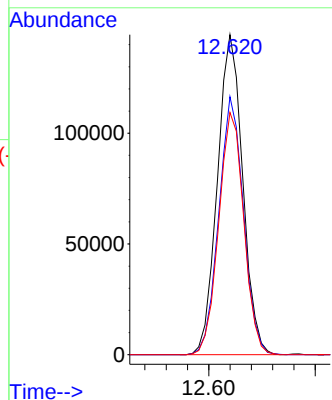
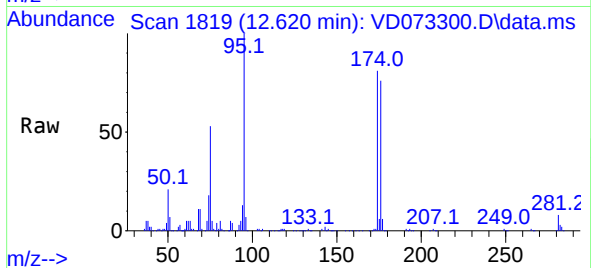




#62
4-Bromofluorobenzene
Concen: 52.795 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073300.D
Acq: 24 May 2022 00:30

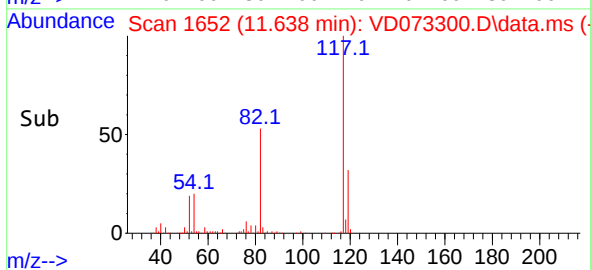
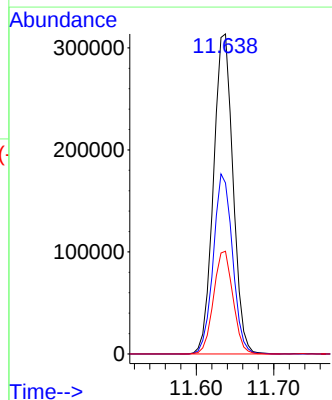
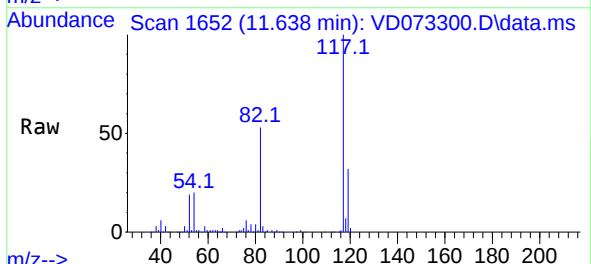
Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-1824-01

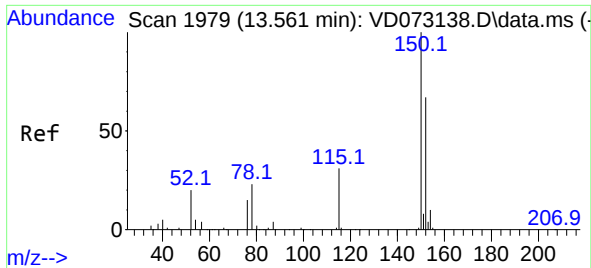
Tgt Ion: 95 Resp: 237543
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 74.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073300.D
Acq: 24 May 2022 00:30

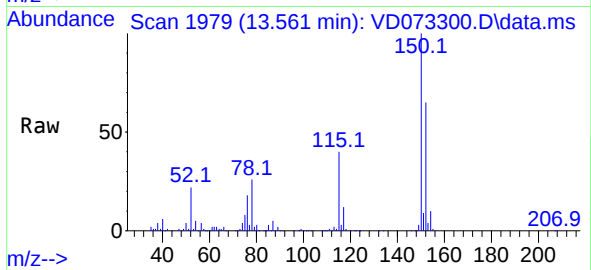
Tgt Ion: 117 Resp: 549081
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 32.1 26.6 40.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073300.D
 Acq: 24 May 2022 00:30

Instrument :
 MSVOA_D
 ClientSampleId :
 P014-SS002-1824-01



Tgt Ion:152 Resp: 248834
 Ion Ratio Lower Upper
 152 100
 115 60.7 31.3 93.8
 150 157.5 0.0 348.6

