

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073325.D
 Acq On : 24 May 2022 15:22
 Operator : VA/SY
 Sample : N2949-08RE
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1218-01

Quant Time: May 25 05:26:53 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)

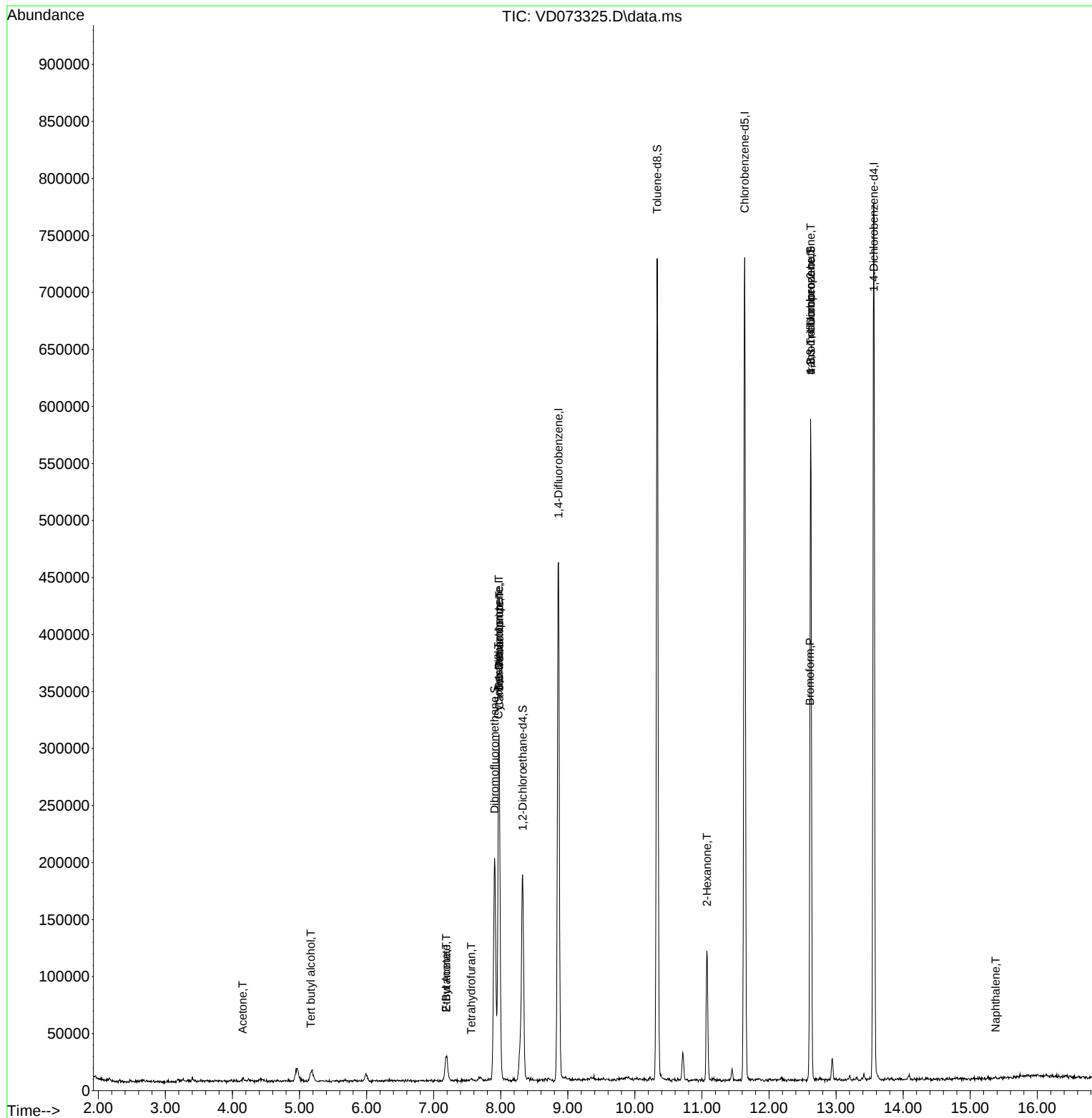
Internal Standards						
1) Pentafluorobenzene	7.973	168	218043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	392067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	435327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	198482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	143455	59.533	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.060%			
35) Dibromofluoromethane	7.909	113	141787	54.805	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.620%			
50) Toluene-d8	10.332	98	482825	50.628	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.260%			
62) 4-Bromofluorobenzene	12.620	95	190284	56.855	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.700%			
Target Compounds						Qvalue
5) Bromomethane	2.791	94	714	Below Cal		82
11) Tert butyl alcohol	5.167	59	4627	12.376 ug/l #		74
16) Acetone	4.150	43	1621	3.884 ug/l #		87
20) Methylene Chloride	4.956	84	9277	Below Cal #		70
25) 2-Butanone	7.185	43	1542	2.525 ug/l #		52
29) Tetrahydrofuran	7.561	42	737	1.867 ug/l #		65
31) Cyclohexane	7.967	56	5882	1.397 ug/l #		21
36) 1,1-Dichloropropene	7.973	75	17957	4.615 ug/l #		51
37) Ethyl Acetate	7.185	43	1542	1.003 ug/l #		1
38) Carbon Tetrachloride	7.979	117	22015	5.582 ug/l #		18
59) 2-Hexanone	11.073	43	1072	1.102 ug/l #		53
71) Bromoform	12.608	173	1767	1.037 ug/l #		29
76) 1,2,3-Trichloropropane	12.620	75	93151	47.832 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	93151	114.831 ug/l #		7
95) Naphthalene	15.379	128	1146	3.705 ug/l #		76

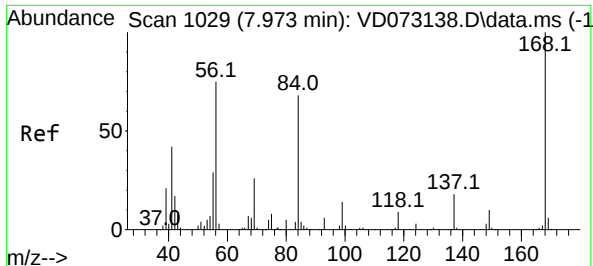
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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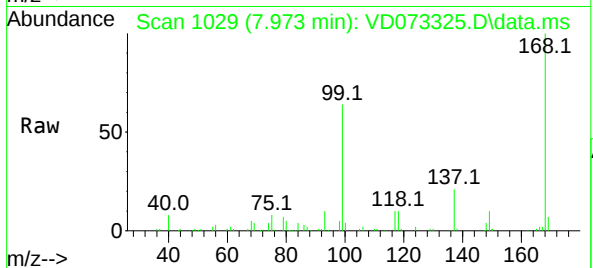
Quant Time: May 25 05:26:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
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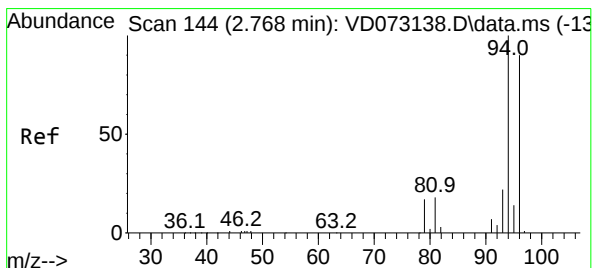
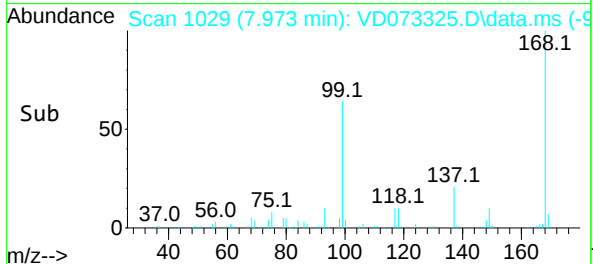
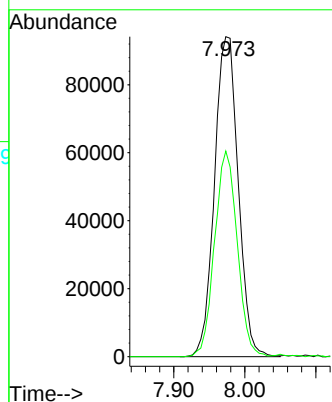


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1218-01

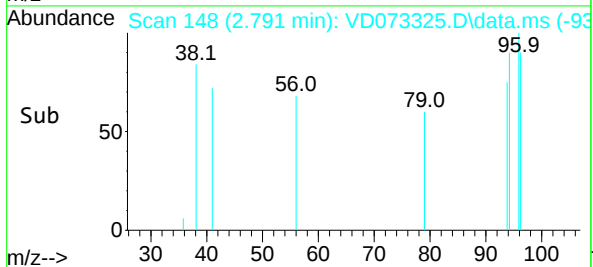
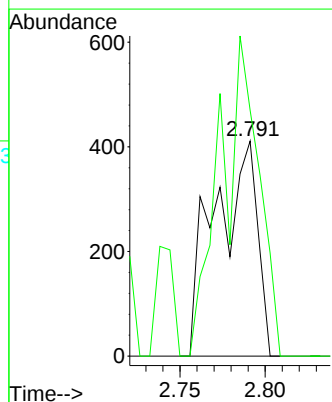
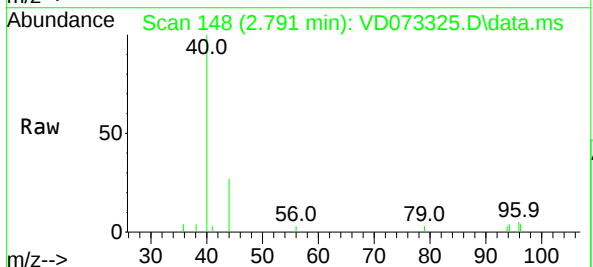


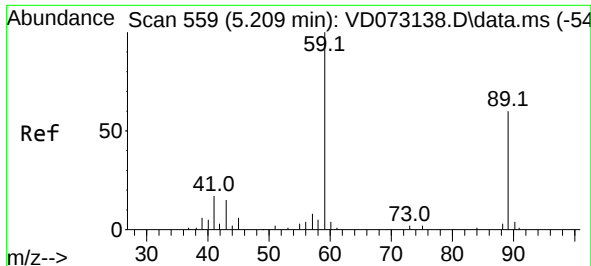
Tgt Ion:168 Resp: 218043
Ion Ratio Lower Upper
168 100
99 64.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

Tgt Ion: 94 Resp: 714
Ion Ratio Lower Upper
94 100
96 114.4 77.6 116.4





#11

Tert butyl alcohol

Concen: 12.376 ug/l

RT: 5.167 min Scan# 51

Delta R.T. -0.042 min

Lab File: VD073325.D

Acq: 24 May 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

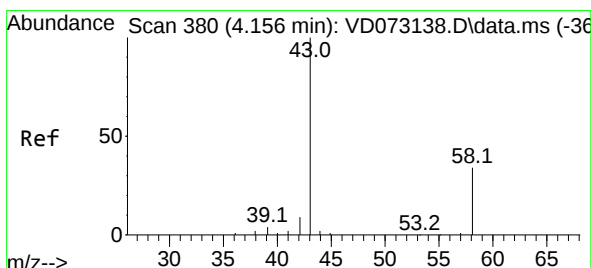
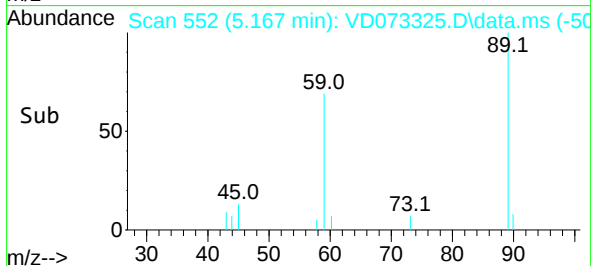
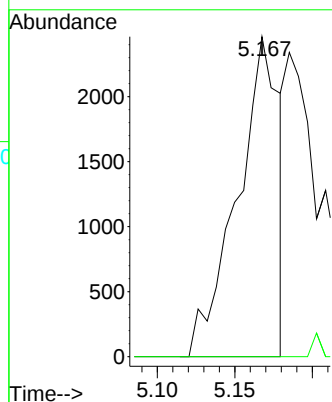
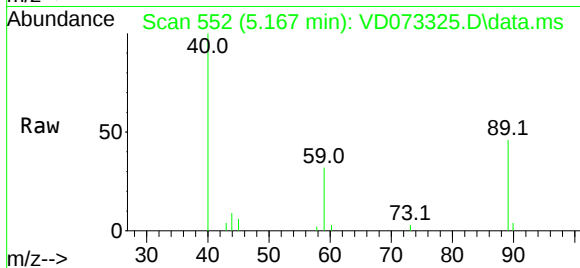
P043-SS001-1218-01

Tgt Ion: 59 Resp: 4627

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 3.884 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD073325.D

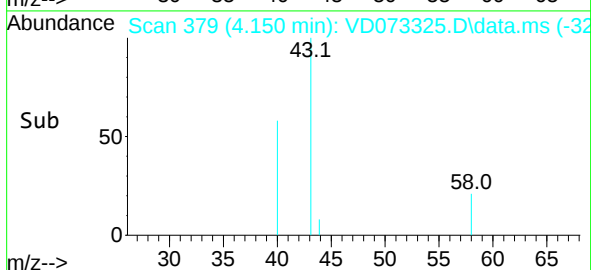
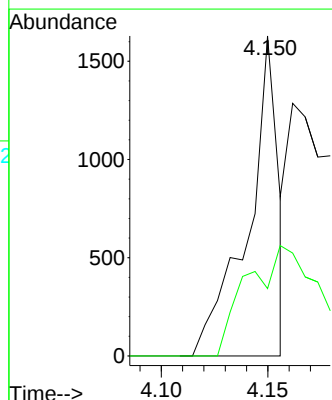
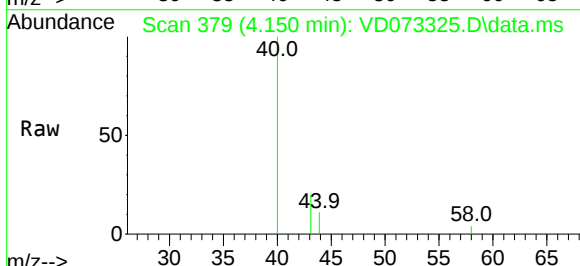
Acq: 24 May 2022 15:22

Tgt Ion: 43 Resp: 1621

Ion Ratio Lower Upper

43 100

58 21.1 22.1 33.1#





#25

2-Butanone

Concen: 2.525 ug/l

RT: 7.185 min Scan# 899

Delta R.T. -0.023 min

Lab File: VD073325.D

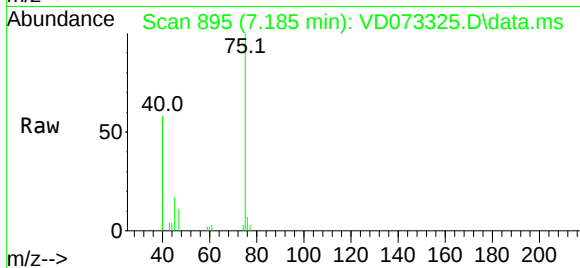
Acq: 24 May 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-1218-01

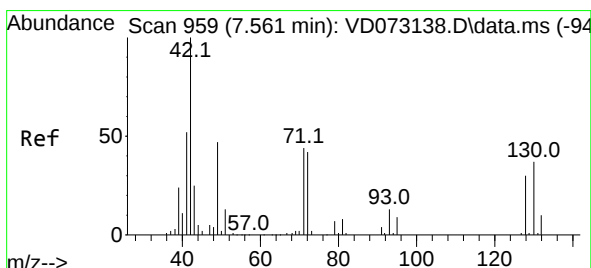
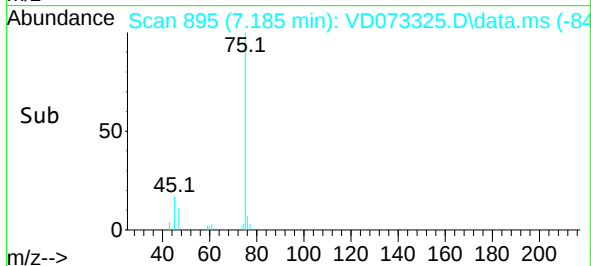
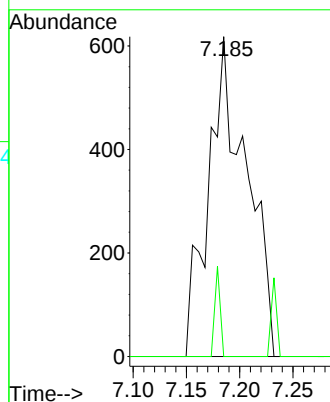


Tgt Ion: 43 Resp: 1542

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 1.867 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.000 min

Lab File: VD073325.D

Acq: 24 May 2022 15:22

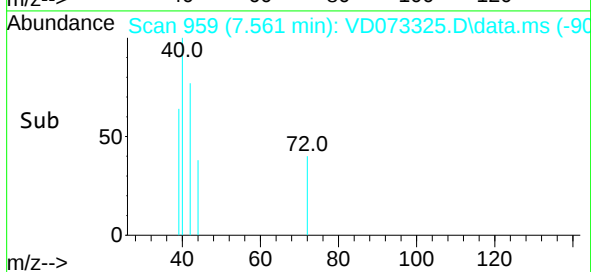
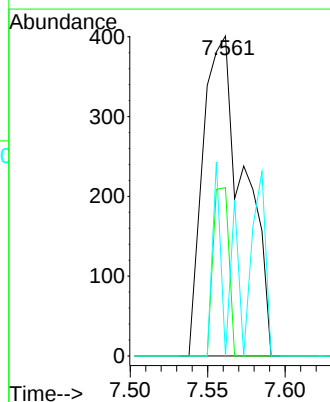
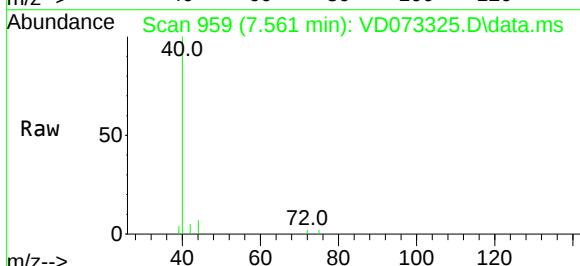
Tgt Ion: 42 Resp: 737

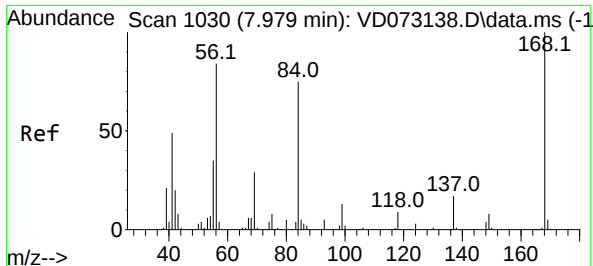
Ion Ratio Lower Upper

42 100

72 20.1 30.7 46.1#

71 11.7 28.6 43.0#





#31

Cyclohexane

Concen: 1.397 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073325.D

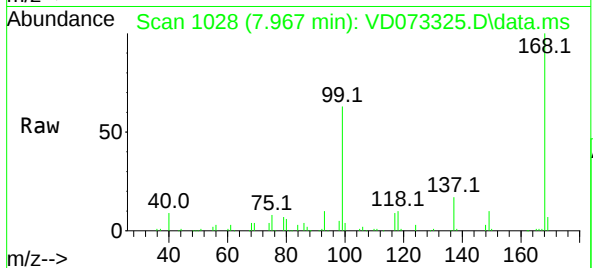
Acq: 24 May 2022 15:22

Instrument :

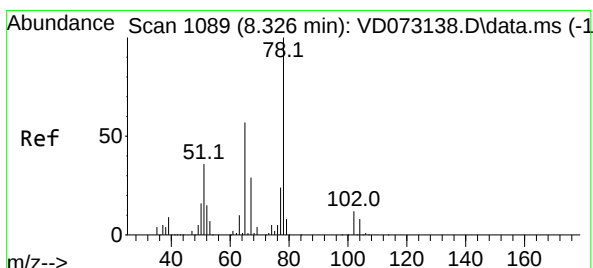
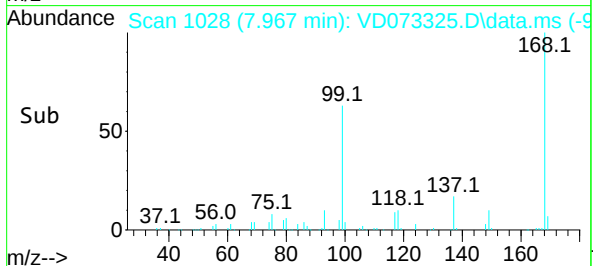
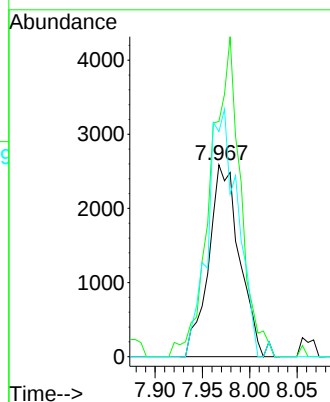
MSVOA_D

ClientSampleId :

P043-SS001-1218-01



Tgt Ion:	56	Resp:	5882
Ion	Ratio	Lower	Upper
56	100		
69	122.6	25.4	38.2#
84	117.4	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 59.533 ug/l

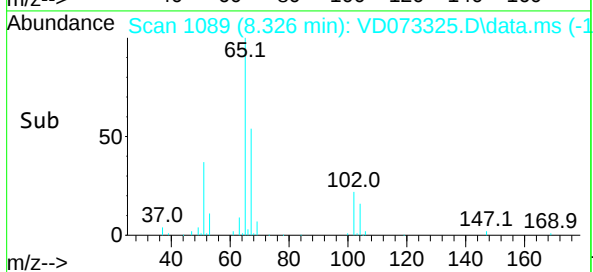
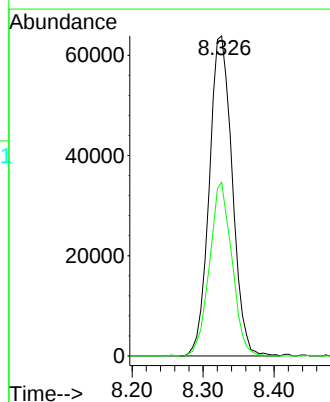
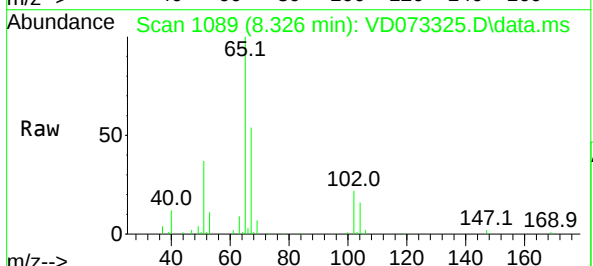
RT: 8.326 min Scan# 1089

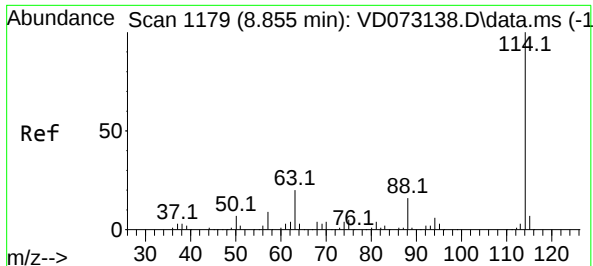
Delta R.T. 0.000 min

Lab File: VD073325.D

Acq: 24 May 2022 15:22

Tgt Ion:	65	Resp:	143455
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073325.D

Acq: 24 May 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-1218-01

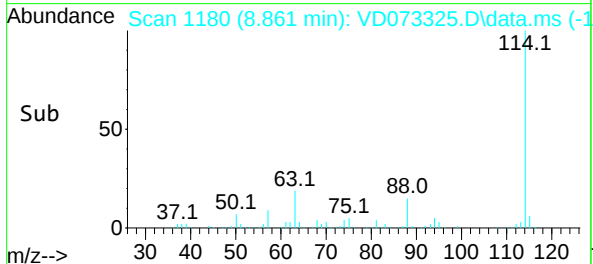
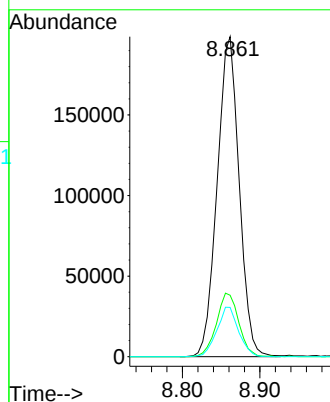
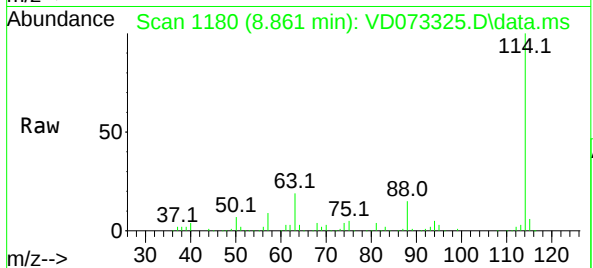
Tgt Ion:114 Resp: 392067

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 54.805 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073325.D

Acq: 24 May 2022 15:22

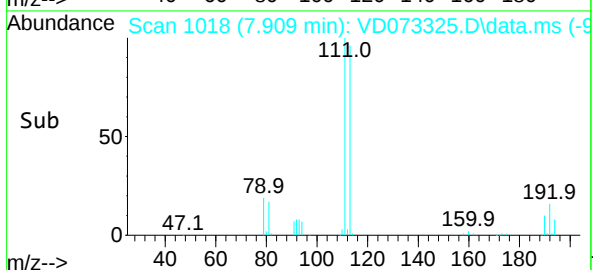
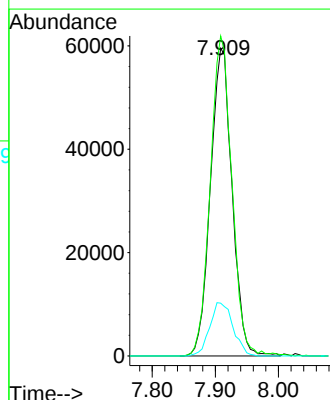
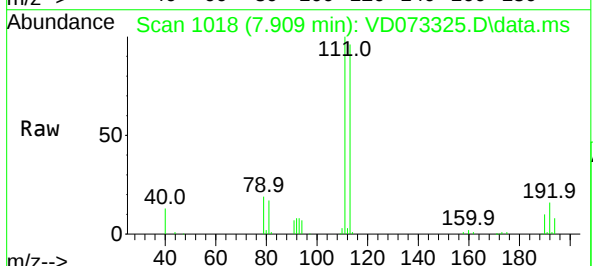
Tgt Ion:113 Resp: 141787

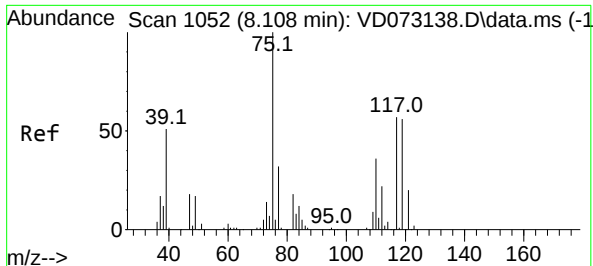
Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 18.6 14.6 21.8

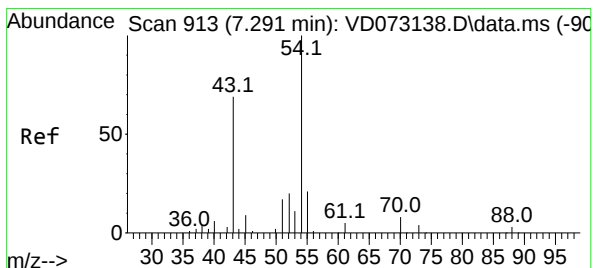
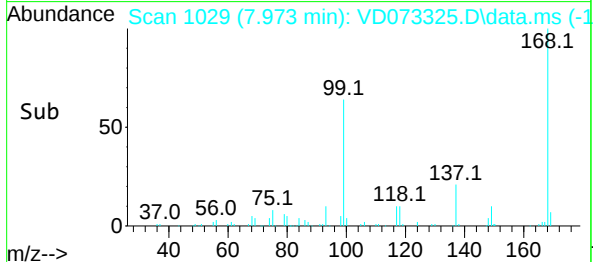
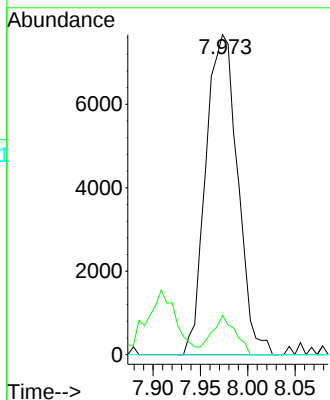
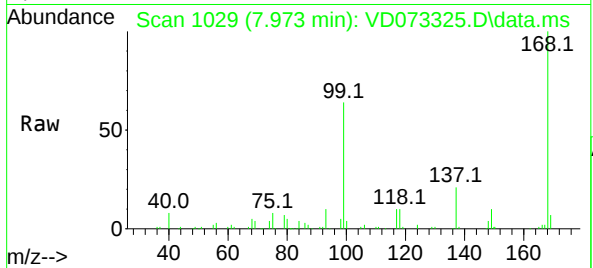




#36
1,1-Dichloropropene
Concen: 4.615 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

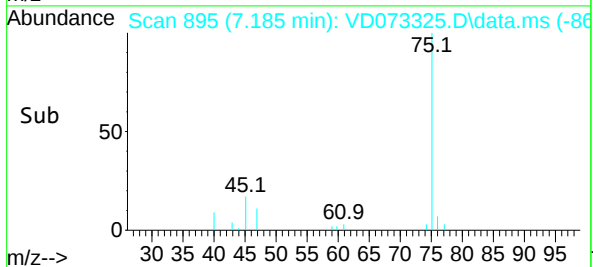
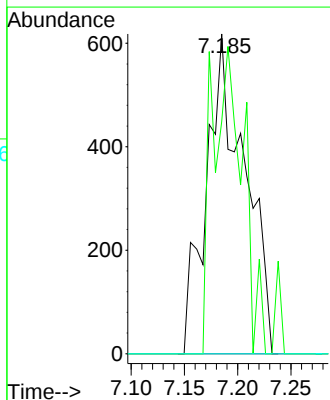
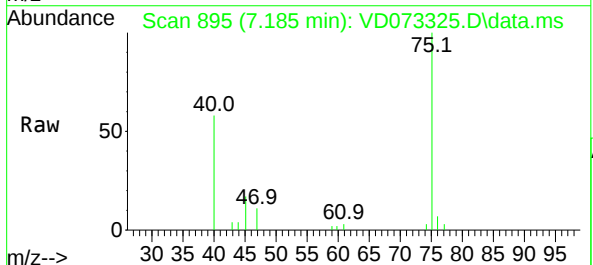
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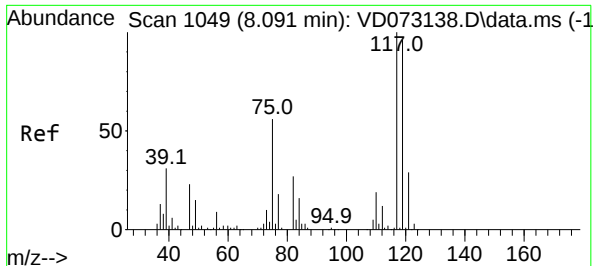
Tgt Ion: 75 Resp: 17957
Ion Ratio Lower Upper
75 100
110 8.9 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 1.003 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.106 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
61 78.2 9.8 14.8#
70 0.0 6.9 10.3#

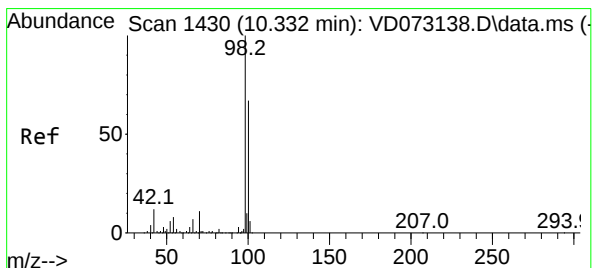
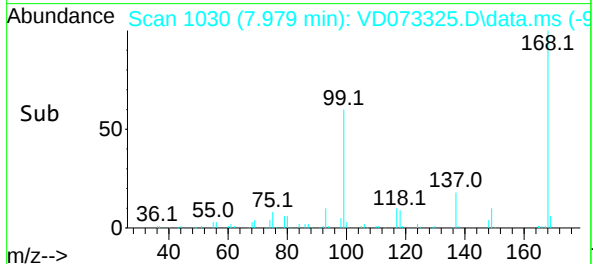
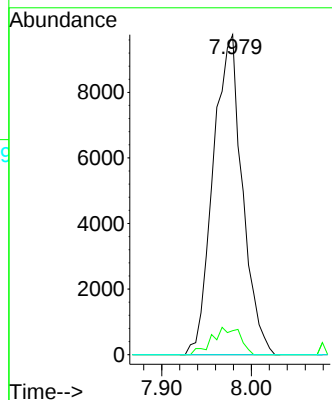
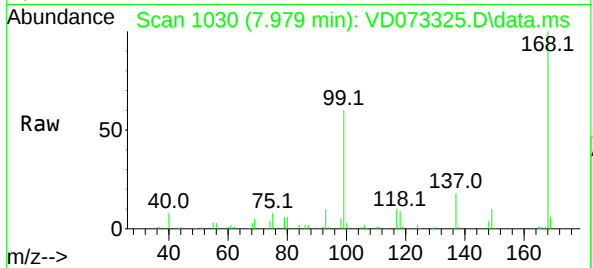




#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

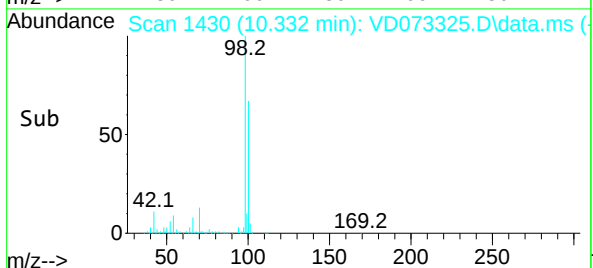
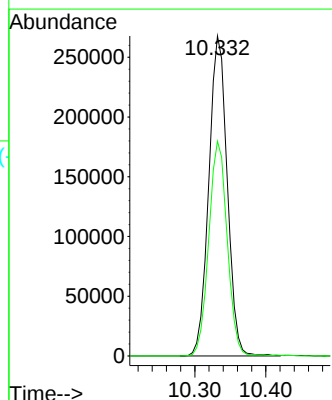
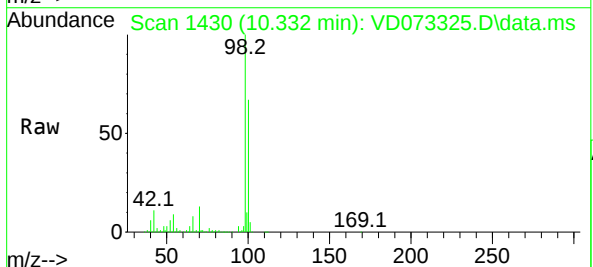
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1218-01

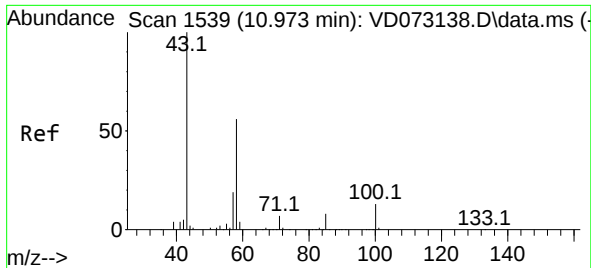
Tgt Ion:117 Resp: 22015
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.628 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

Tgt Ion: 98 Resp: 482825
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6

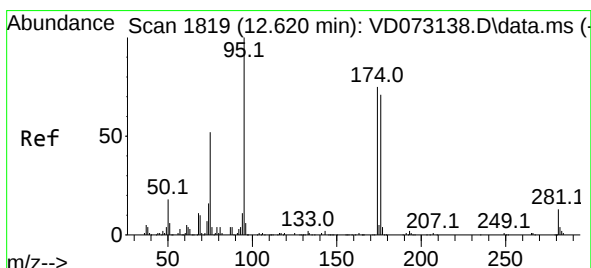
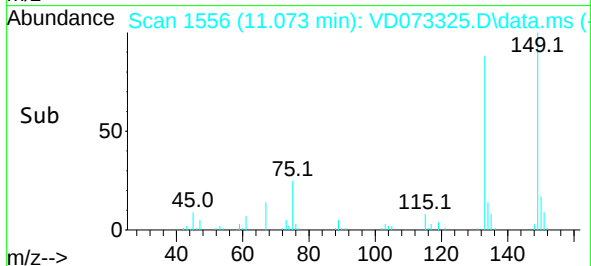
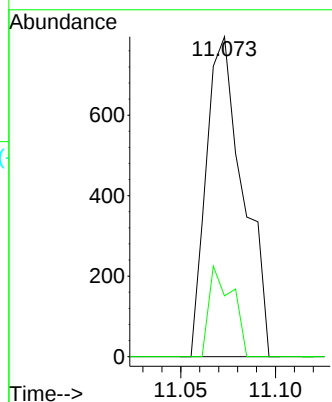
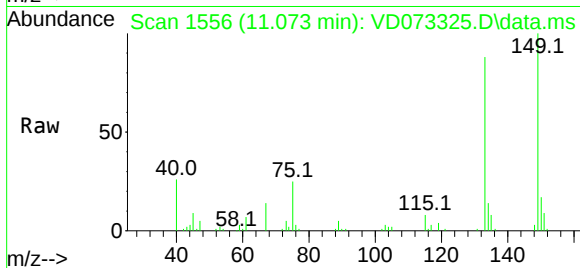




#59
2-Hexanone
Concen: 1.102 ug/l
RT: 11.073 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

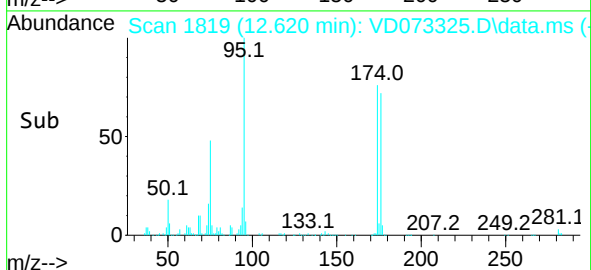
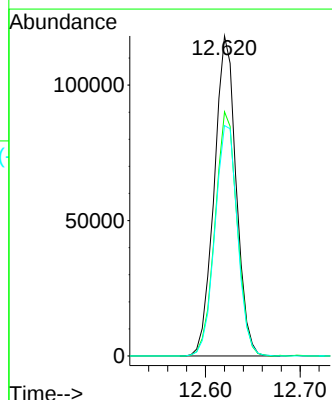
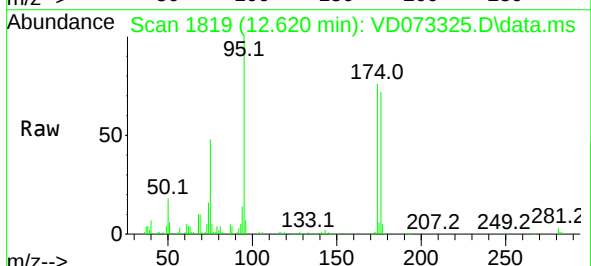
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1218-01

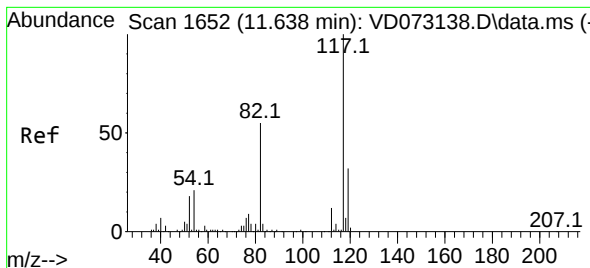
Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
58 17.9 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 56.855 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073325.D
Acq: 24 May 2022 15:22

Tgt Ion: 95 Resp: 190284
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.8
176 74.2 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073325.D

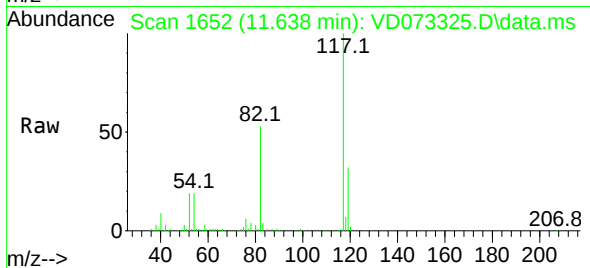
Acq: 24 May 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-1218-01



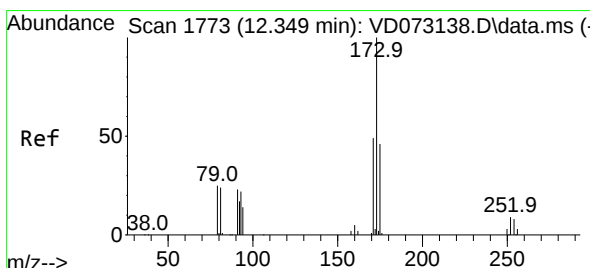
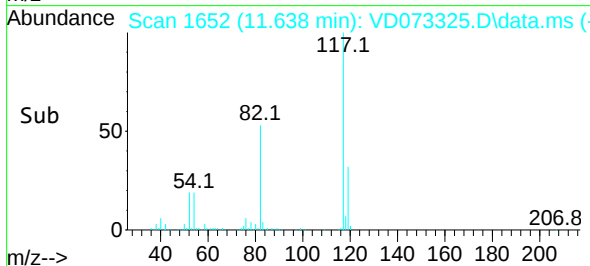
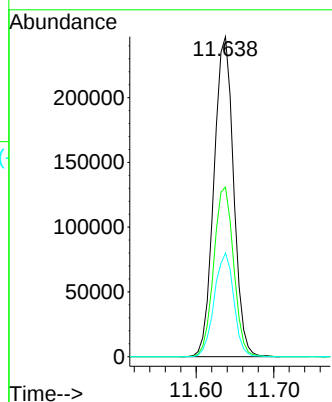
Tgt Ion:117 Resp: 435327

Ion Ratio Lower Upper

117 100

82 53.0 45.3 67.9

119 32.4 26.6 40.0



#71

Bromoform

Concen: 1.037 ug/l

RT: 12.608 min Scan# 1817

Delta R.T. 0.259 min

Lab File: VD073325.D

Acq: 24 May 2022 15:22

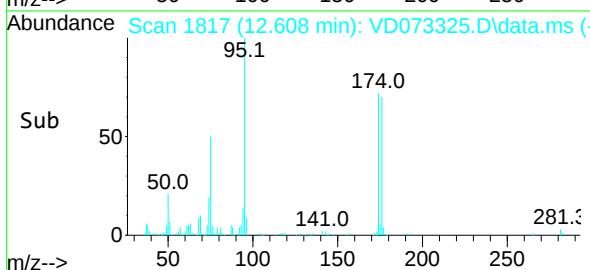
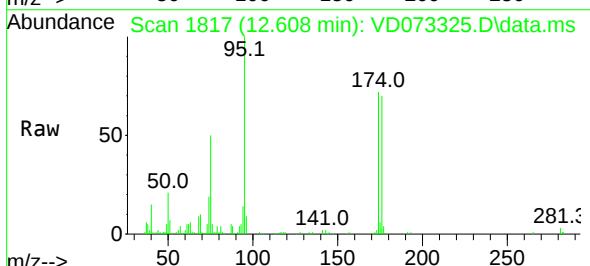
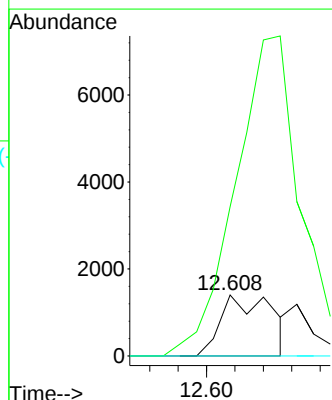
Tgt Ion:173 Resp: 1767

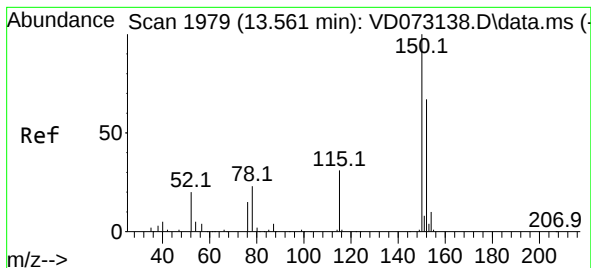
Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

254 0.0 0.0 0.0

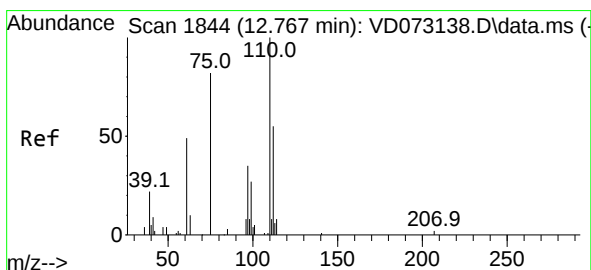
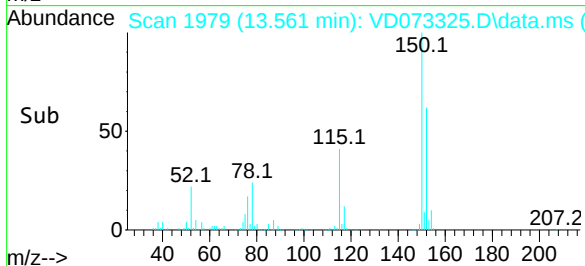
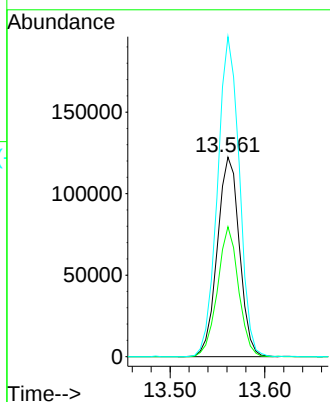
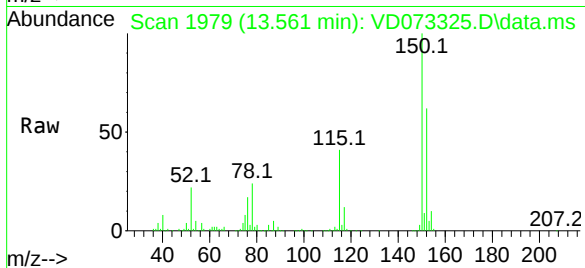




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073325.D
 Acq: 24 May 2022 15:22

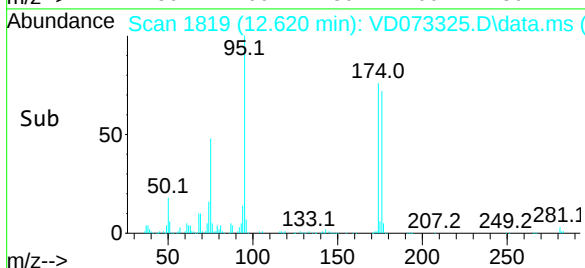
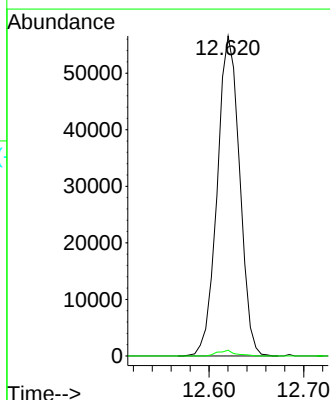
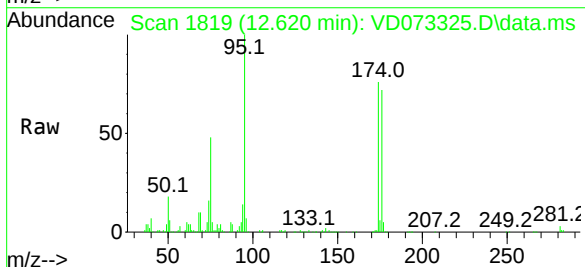
Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1218-01

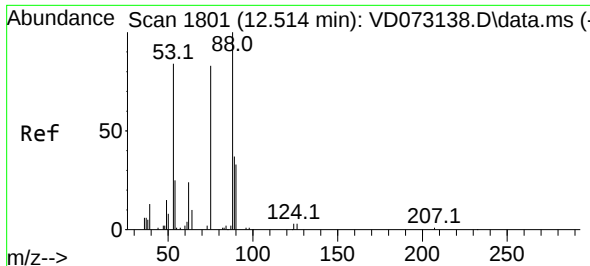
Tgt Ion:152 Resp: 198482
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.3 93.8
 150 158.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.832 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073325.D
 Acq: 24 May 2022 15:22

Tgt Ion: 75 Resp: 93151
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

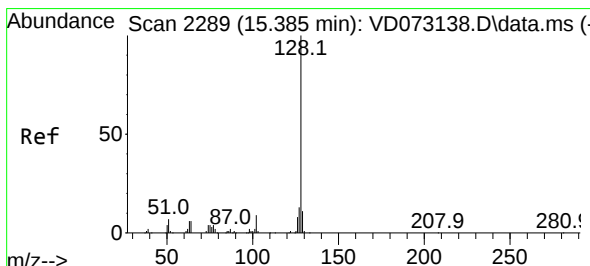
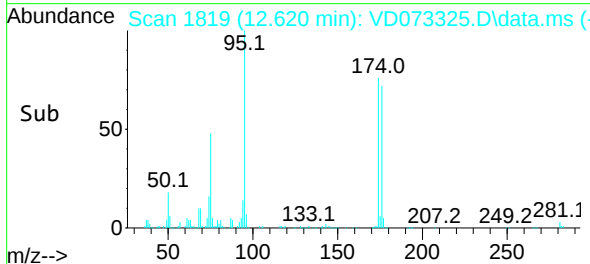
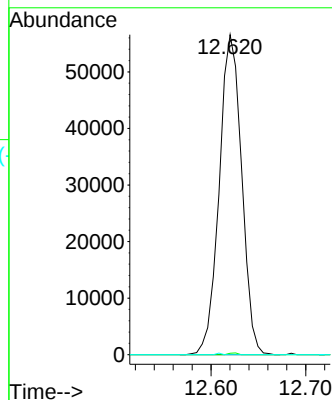
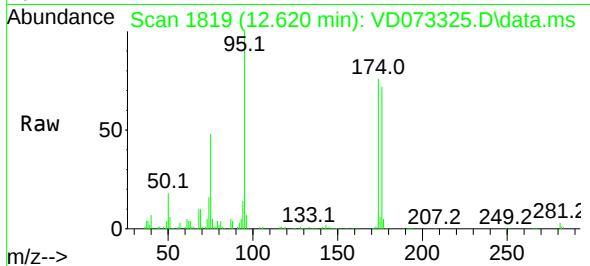




#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.831 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073325.D
 Acq: 24 May 2022 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1218-01

Tgt Ion: 75 Resp: 93151
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.1 33.9 50.9#



#95
 Naphthalene
 Concen: 3.705 ug/l
 RT: 15.379 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: VD073325.D
 Acq: 24 May 2022 15:22

Tgt Ion: 128 Resp: 1146
 Ion Ratio Lower Upper
 128 100
 127 4.8 10.3 15.5#
 129 0.0 8.4 12.6#

