

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073398.D
 Acq On : 26 May 2022 19:56
 Operator : VA/SY
 Sample : N3072-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124030

Quant Time: May 27 01:34:03 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)

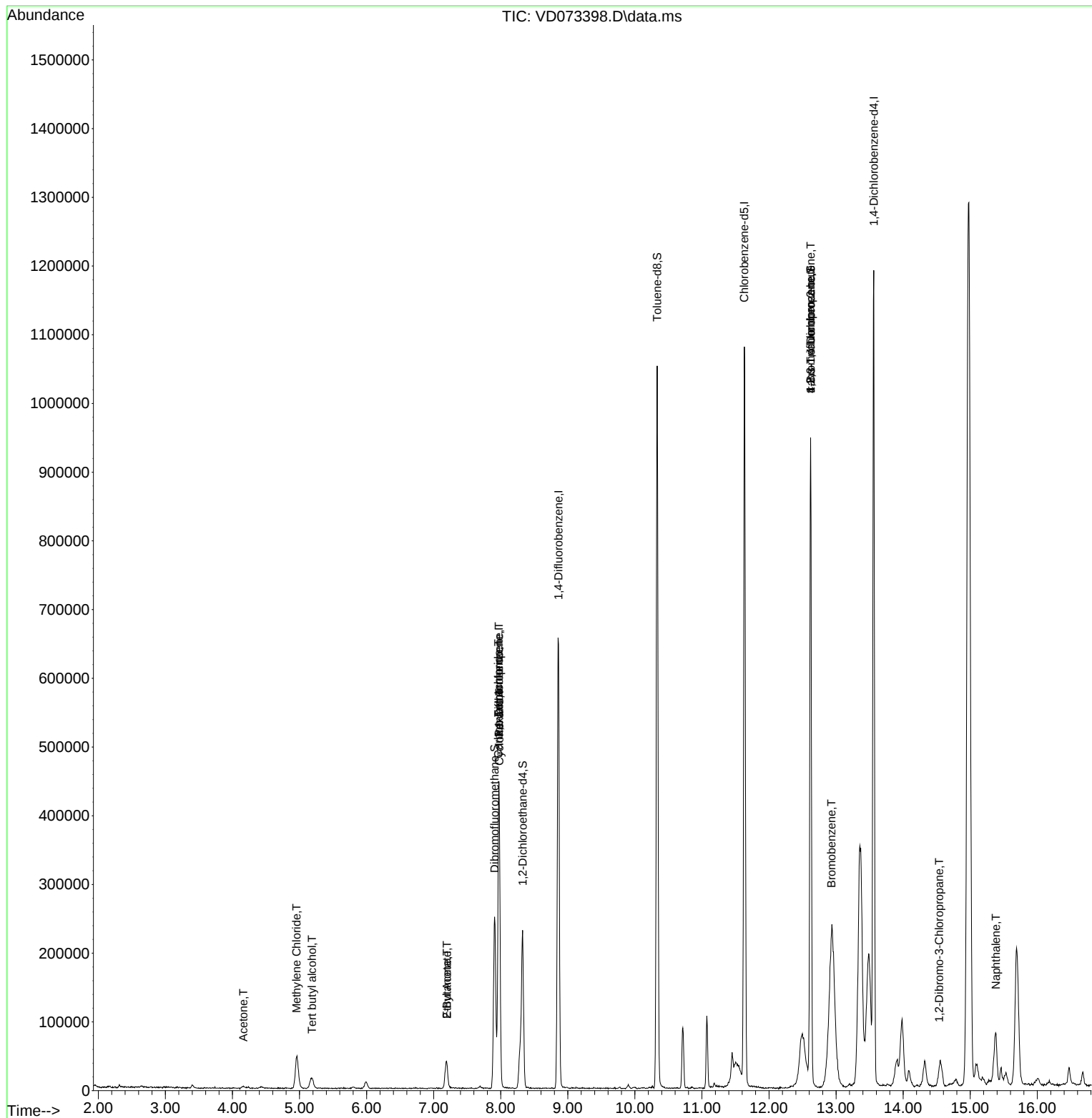
Internal Standards						
1) Pentafluorobenzene	7.973	168	327662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	575996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	628697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	320547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170258	47.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.040%		
35) Dibromofluoromethane	7.909	113	187819	49.416	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.840%		
50) Toluene-d8	10.332	98	708650	50.579	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.160%		
62) 4-Bromofluorobenzene	12.620	95	308381	62.718	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	125.440%		
Target Compounds			Qvalue			
5) Bromomethane	2.774	94	570	Below Cal #	63	
11) Tert butyl alcohol	5.185	59	14824	26.386 ug/l #	74	
16) Acetone	4.162	43	5350	8.530 ug/l	96	
20) Methylene Chloride	4.956	84	37741	5.970 ug/l #	87	
25) 2-Butanone	7.197	43	2607	2.841 ug/l #	52	
31) Cyclohexane	7.979	56	7406	1.170 ug/l #	1	
36) 1,1-Dichloropropene	7.973	75	26008	4.550 ug/l #	52	
37) Ethyl Acetate	7.197	43	2607	1.155 ug/l #	1	
38) Carbon Tetrachloride	7.967	117	33735	5.822 ug/l #	16	
76) 1,2,3-Trichloropropane	12.620	75	153019	48.653 ug/l #	100	
77) Bromobenzene	12.932	156	296761	55.167 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.620	75	153019	116.801 ug/l #	7	
92) 1,2-Dibromo-3-Chloropr...	14.538	75	2644	4.097 ug/l #	6	
95) Naphthalene	15.385	128	22416	5.527 ug/l #	92	

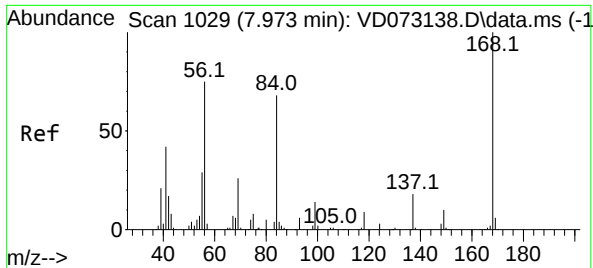
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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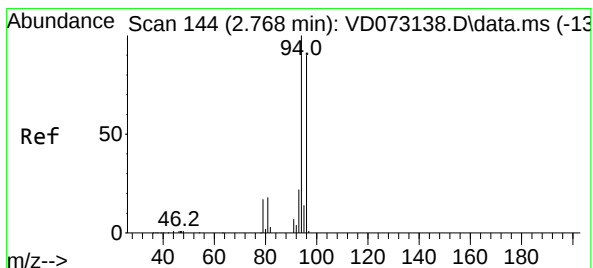
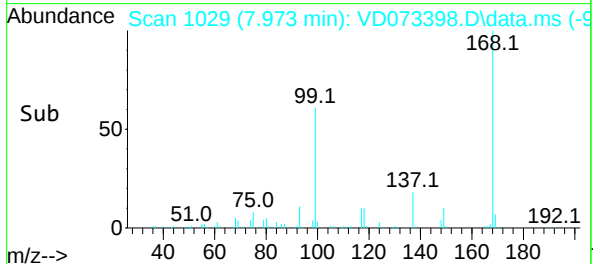
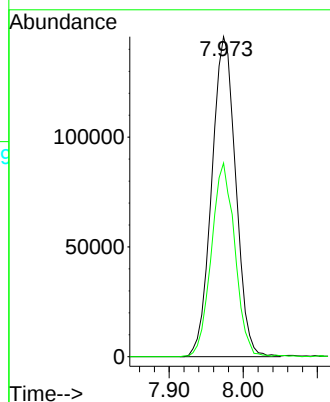
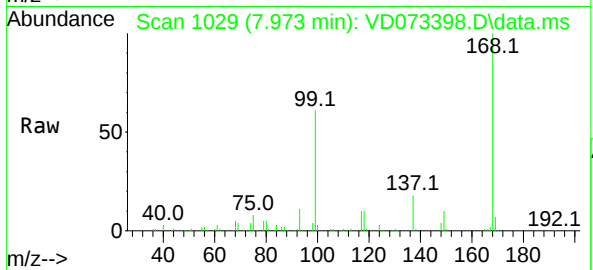




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

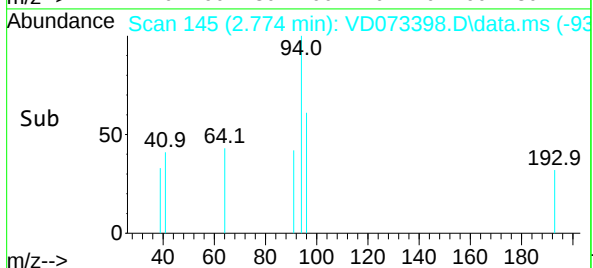
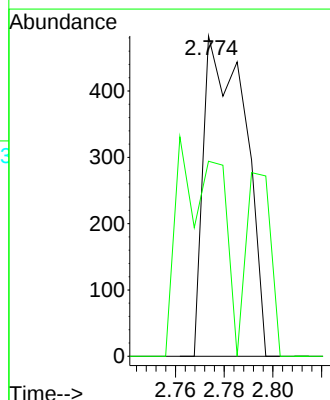
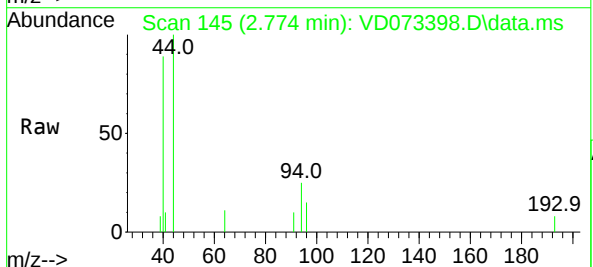
Instrument :
MSVOA_D
ClientSampleId :
PSC-124030

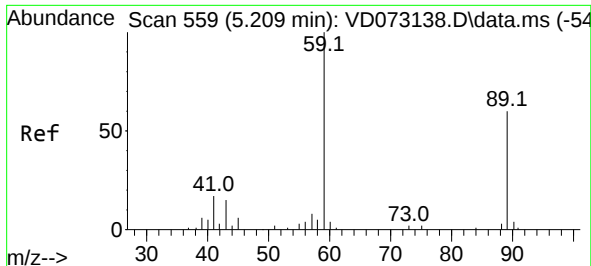
Tgt Ion:168 Resp: 327662
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Tgt Ion: 94 Resp: 570
Ion Ratio Lower Upper
94 100
96 60.9 77.6 116.4#





#11

Tert butyl alcohol

Concen: 26.386 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD073398.D

Acq: 26 May 2022 19:56

Instrument :

MSVOA_D

ClientSampleId :

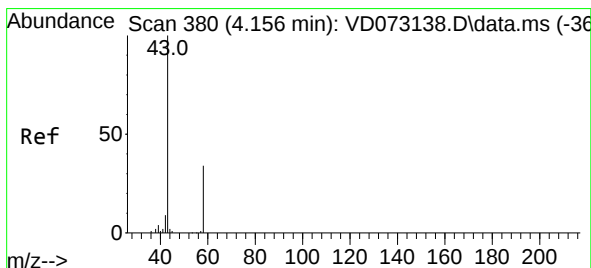
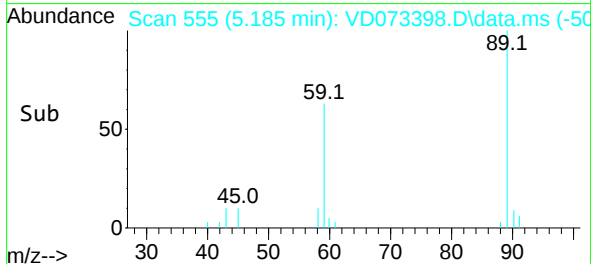
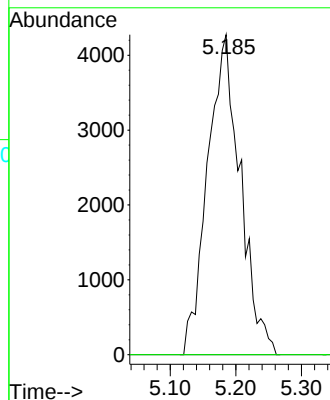
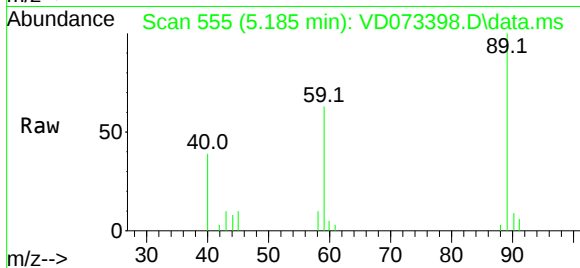
PSC-124030

Tgt Ion: 59 Resp: 14824

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 8.530 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073398.D

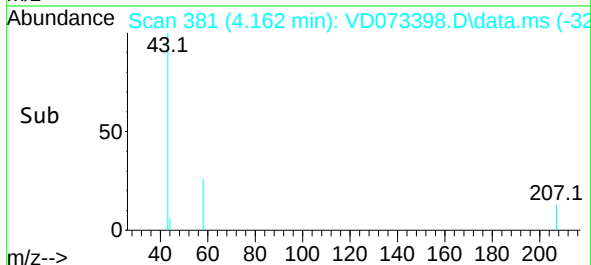
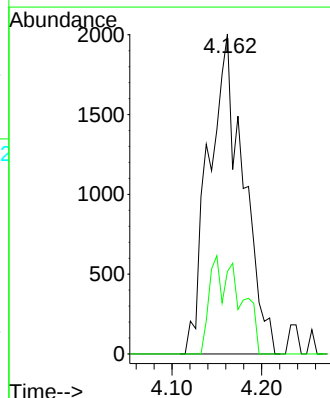
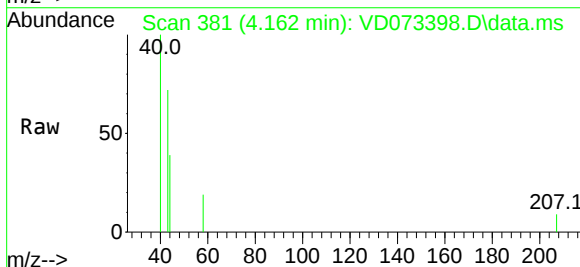
Acq: 26 May 2022 19:56

Tgt Ion: 43 Resp: 5350

Ion Ratio Lower Upper

43 100

58 25.7 22.1 33.1



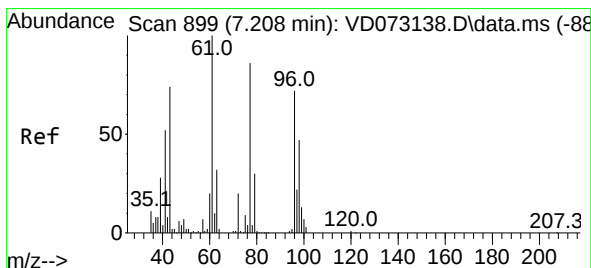
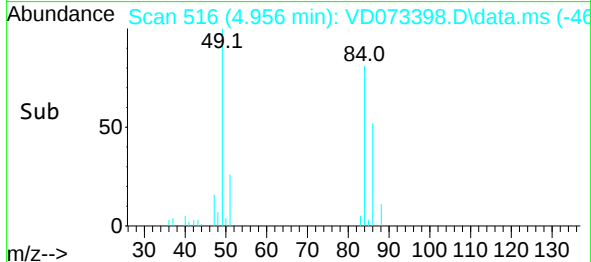
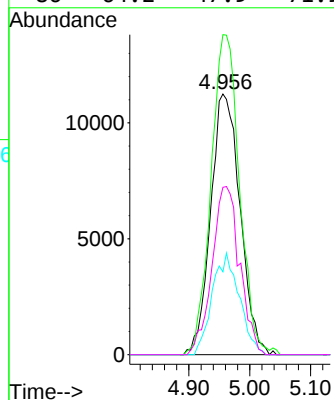
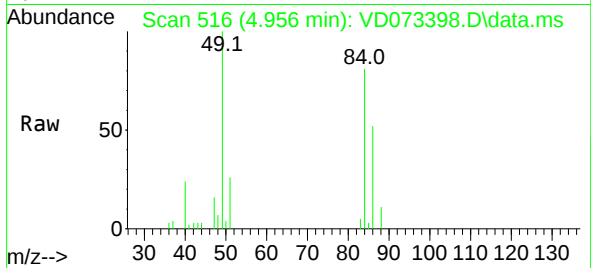


#20
Methylene Chloride
Concen: 5.970 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Instrument :
MSVOA_D
ClientSampleId :
PSC-124030

Tgt Ion: 84 Resp: 37741

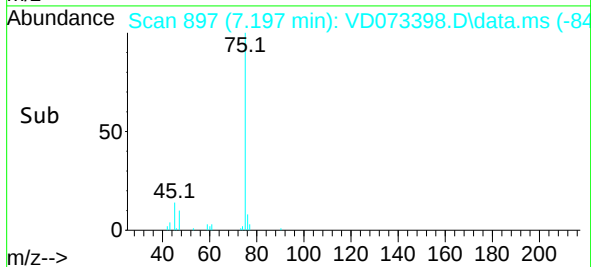
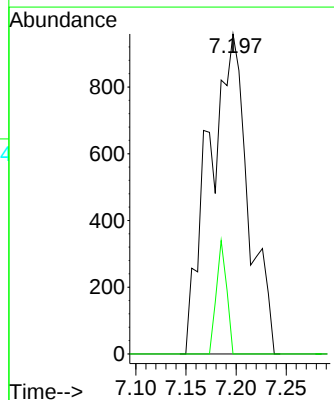
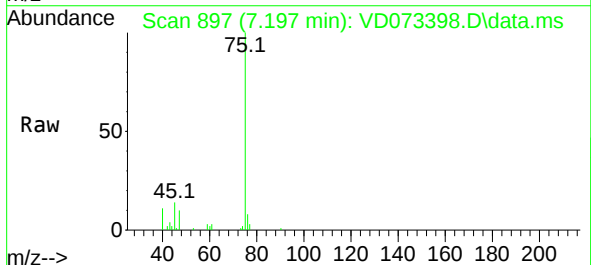
Ion	Ratio	Lower	Upper
84	100		
49	122.8	112.8	169.2
51	31.8	32.6	48.8#
86	64.2	47.9	71.9

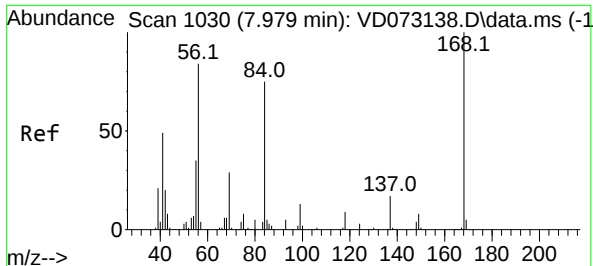


#25
2-Butanone
Concen: 2.841 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Tgt Ion: 43 Resp: 2607

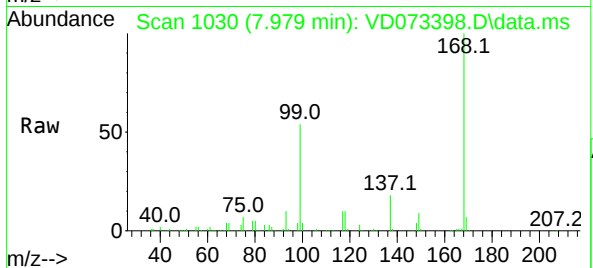
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



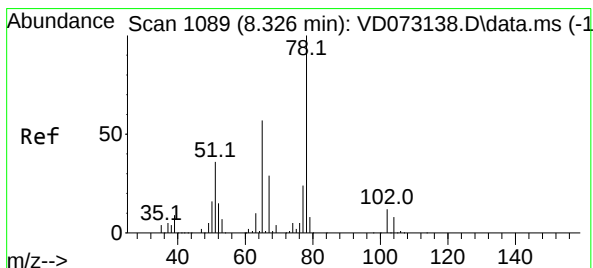
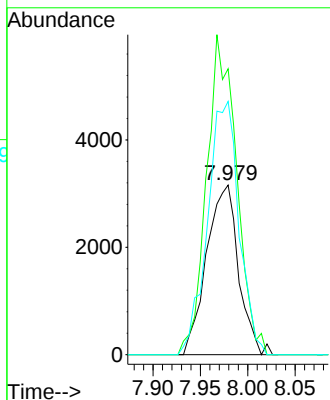
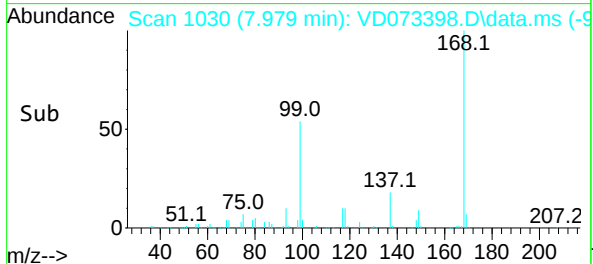


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Instrument :
MSVOA_D
ClientSampleId :
PSC-124030

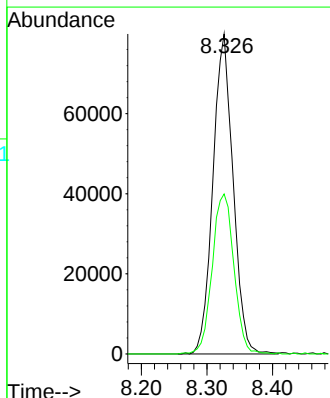
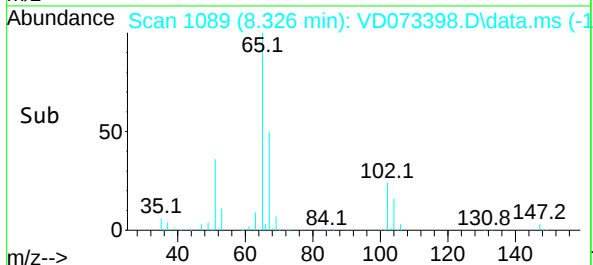
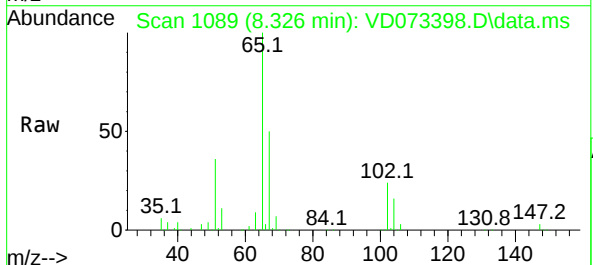


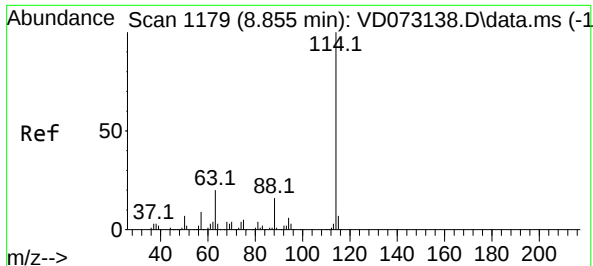
Tgt Ion: 56 Resp: 7406
Ion Ratio Lower Upper
56 100
69 168.6 25.4 38.2#
84 149.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 47.018 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Tgt Ion: 65 Resp: 170258
Ion Ratio Lower Upper
65 100
67 53.8 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: VD073398.D

Acq: 26 May 2022 19:56

Instrument :

MSVOA_D

ClientSampleId :

PSC-124030

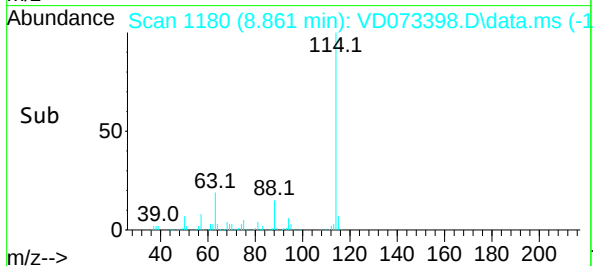
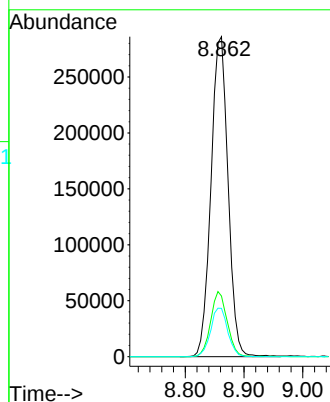
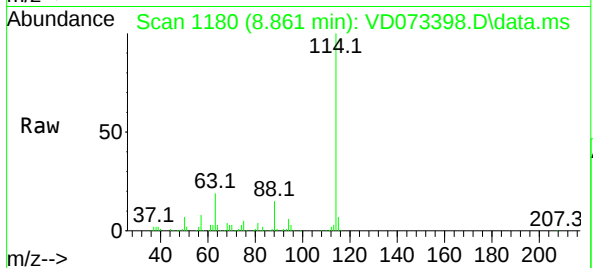
Tgt Ion:114 Resp: 575996

Ion Ratio Lower Upper

114 100

63 19.0 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.416 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073398.D

Acq: 26 May 2022 19:56

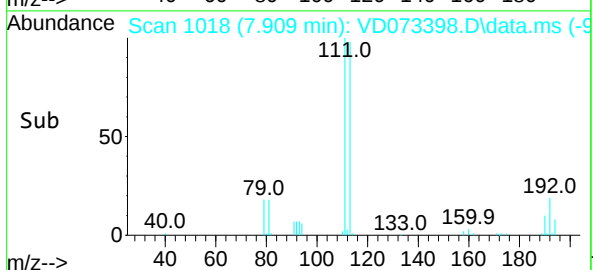
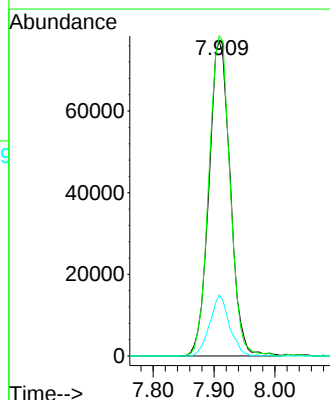
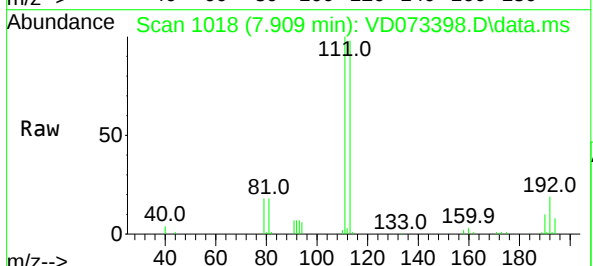
Tgt Ion:113 Resp: 187819

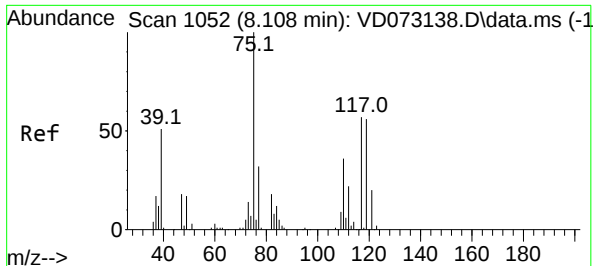
Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.6

192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073398.D

Acq: 26 May 2022 19:56

Instrument :

MSVOA_D

ClientSampleId :

PSC-124030

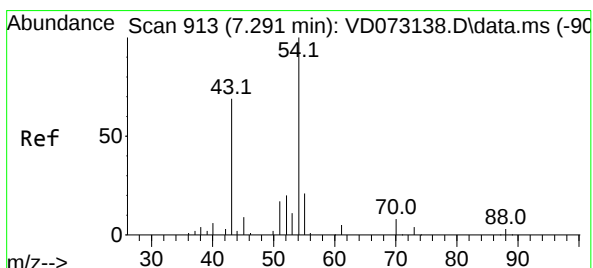
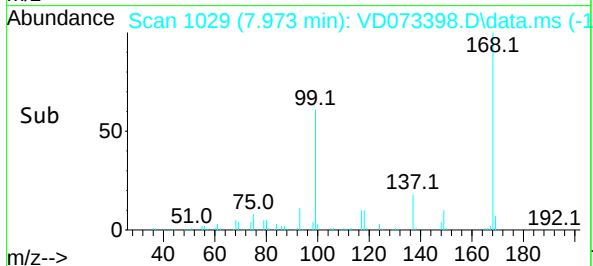
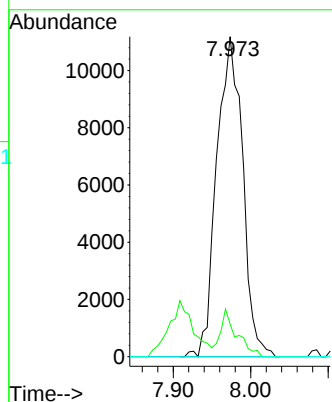
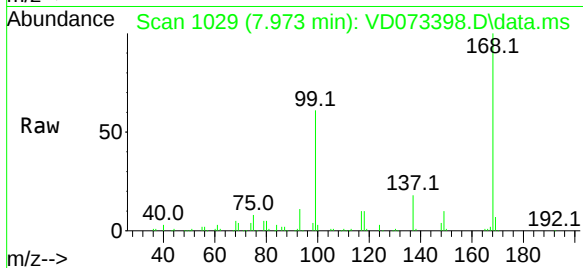
Tgt Ion: 75 Resp: 26008

Ion Ratio Lower Upper

75 100

110 9.4 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.155 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073398.D

Acq: 26 May 2022 19:56

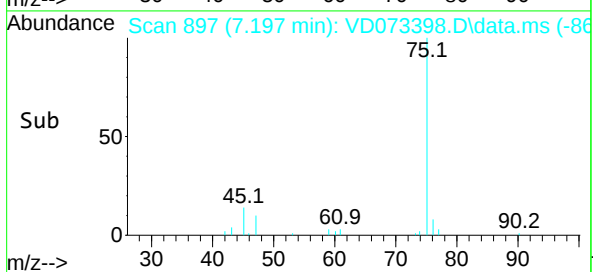
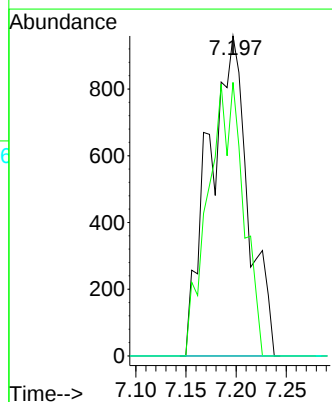
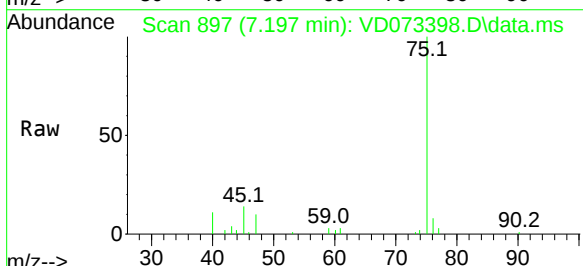
Tgt Ion: 43 Resp: 2607

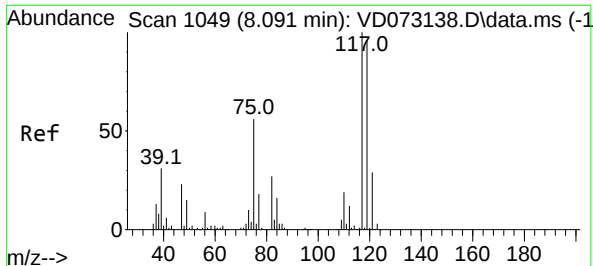
Ion Ratio Lower Upper

43 100

61 77.0 9.8 14.8#

70 0.0 6.9 10.3#

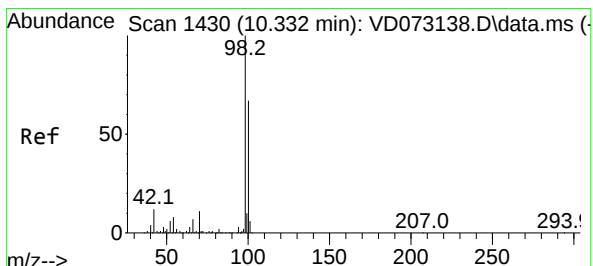
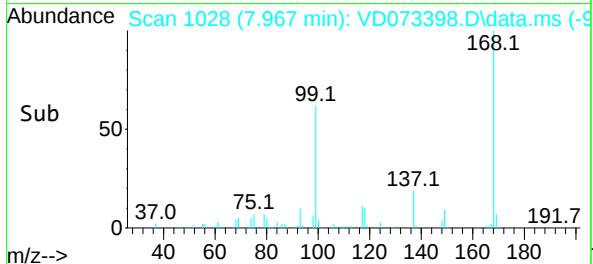
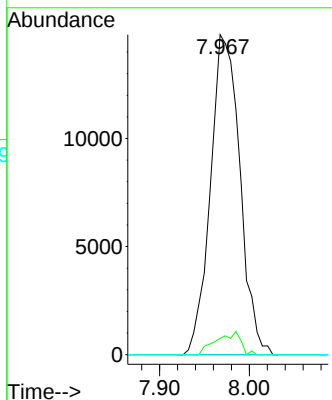
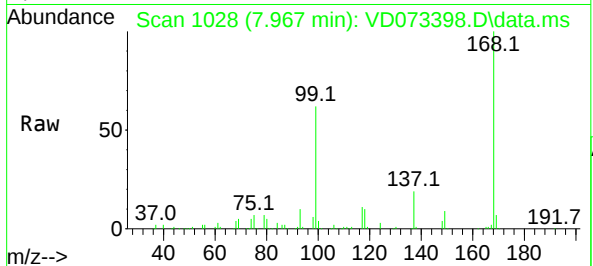




#38
Carbon Tetrachloride
Concen: 5.822 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

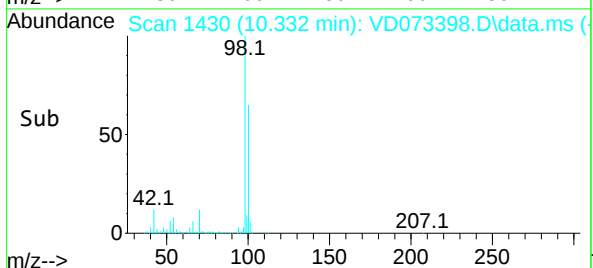
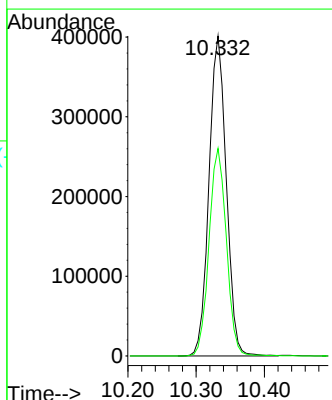
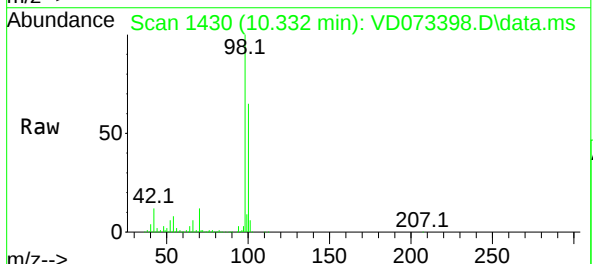
Instrument :
MSVOA_D
ClientSampleId :
PSC-124030

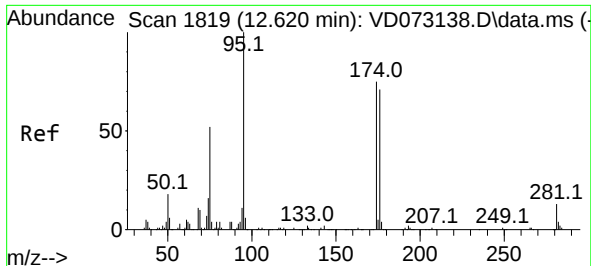
Tgt Ion:117 Resp: 33735
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.579 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Tgt Ion: 98 Resp: 708650
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

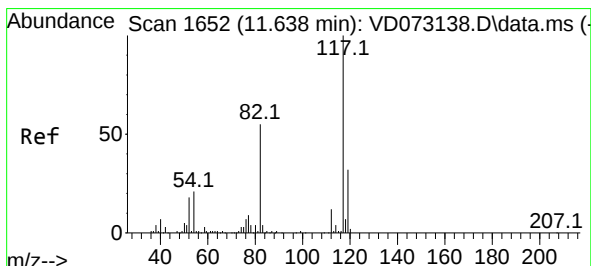
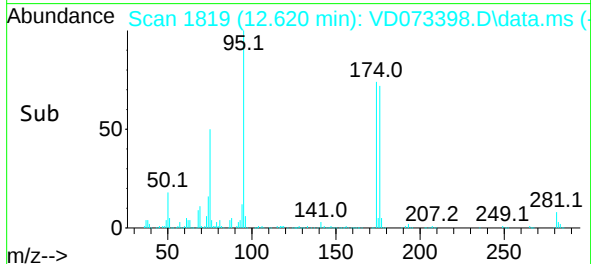
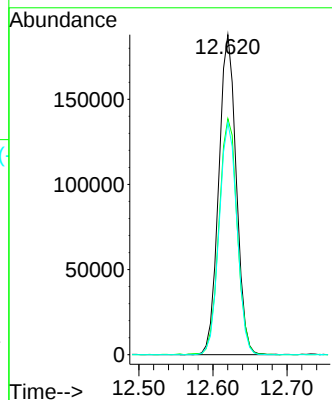
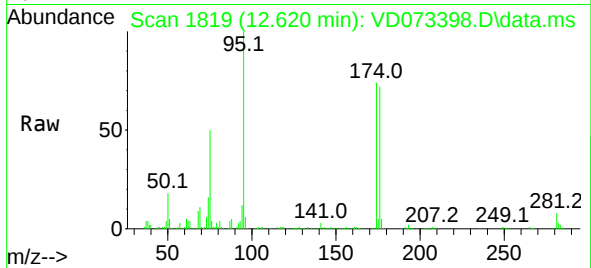




#62
4-Bromofluorobenzene
Concen: 62.718 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

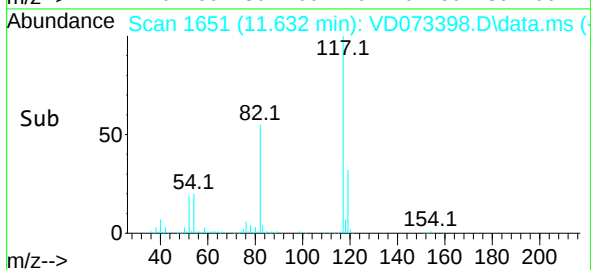
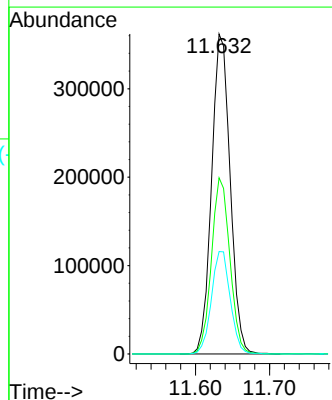
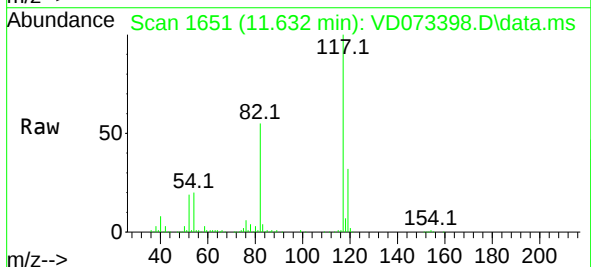
Instrument :
MSVOA_D
ClientSampleId :
PSC-124030

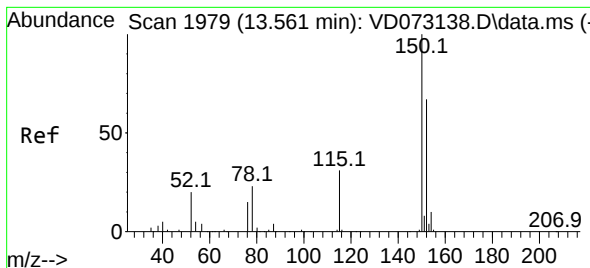
Tgt Ion: 95 Resp: 308381
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 73.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Tgt Ion: 117 Resp: 628697
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 32.0 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073398.D

Acq: 26 May 2022 19:56

Instrument :

MSVOA_D

ClientSampleId :

PSC-124030

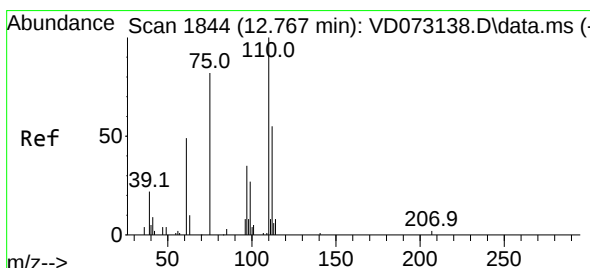
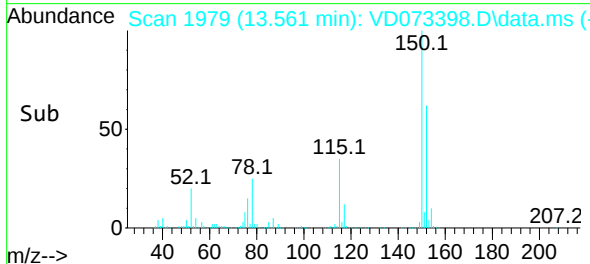
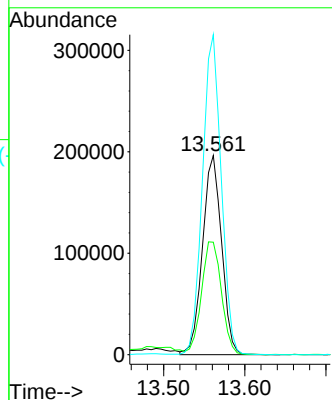
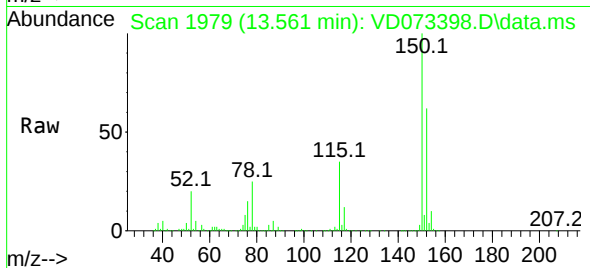
Tgt Ion:152 Resp: 320547

Ion Ratio Lower Upper

152 100

115 59.4 31.3 93.8

150 157.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.653 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073398.D

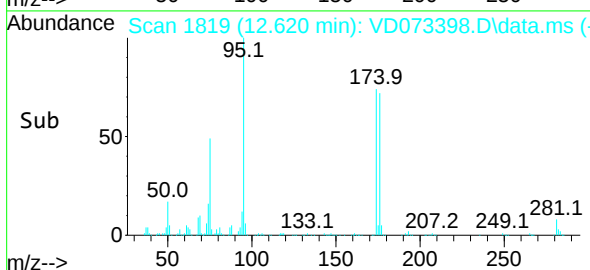
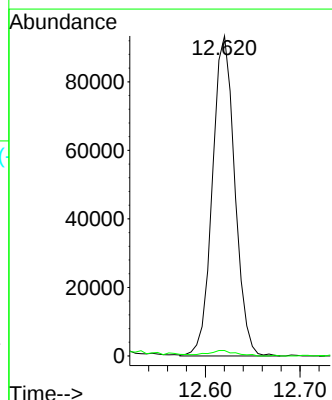
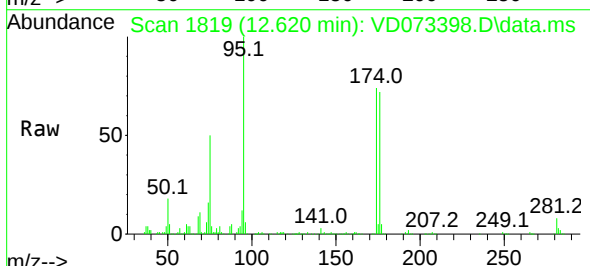
Acq: 26 May 2022 19:56

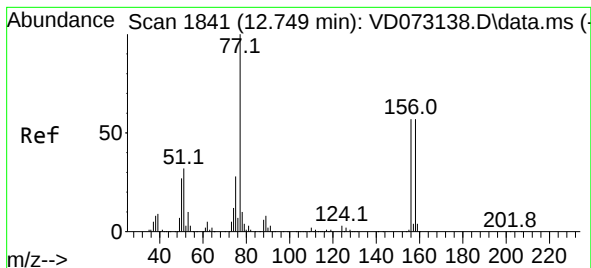
Tgt Ion: 75 Resp: 153019

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#





#77

Bromobenzene

Concen: 55.167 ug/l

RT: 12.932 min Scan# 1872

Delta R.T. 0.183 min

Lab File: VD073398.D

Acq: 26 May 2022 19:56

Instrument :

MSVOA_D

ClientSampleId :

PSC-124030

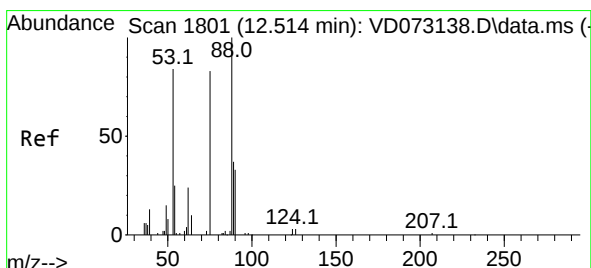
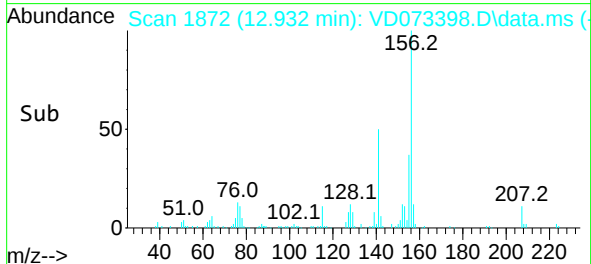
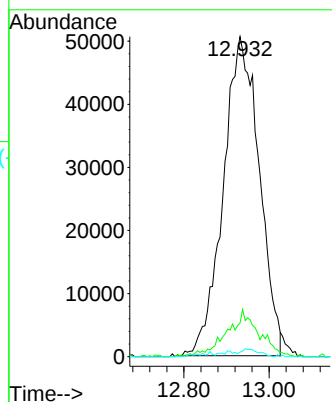
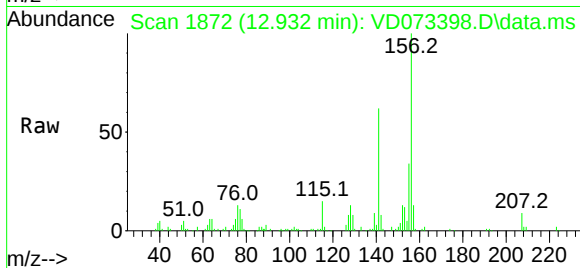
Tgt Ion:156 Resp: 296761

Ion Ratio Lower Upper

156 100

77 3.3 102.8 308.3#

158 1.2 48.7 146.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.801 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.106 min

Lab File: VD073398.D

Acq: 26 May 2022 19:56

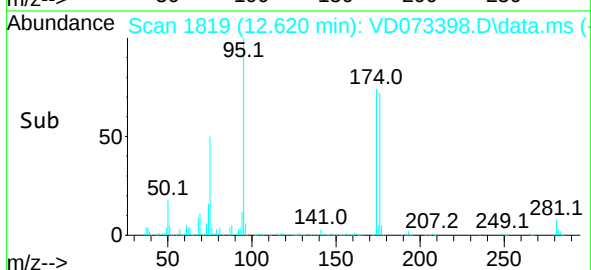
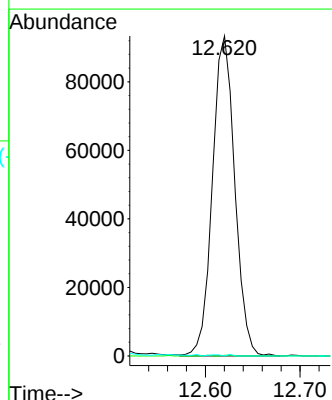
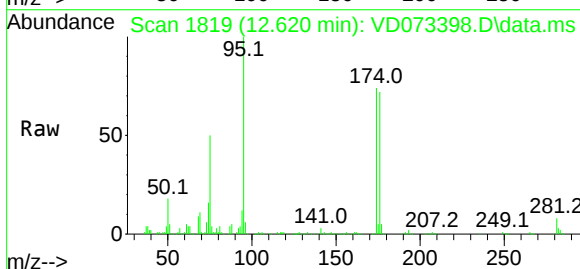
Tgt Ion: 75 Resp: 153019

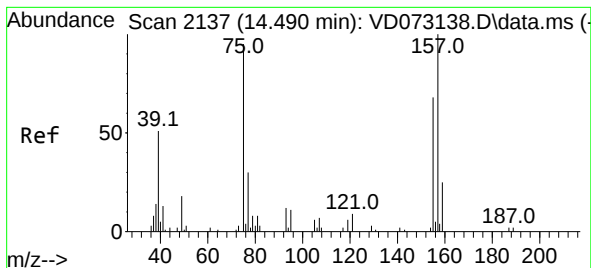
Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.2 33.9 50.9#

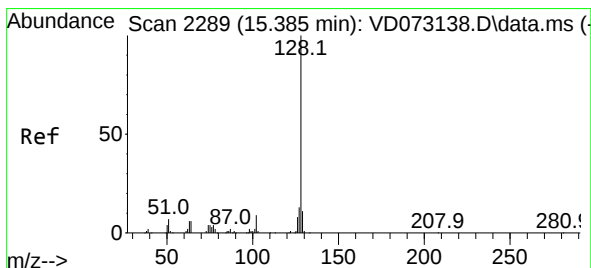
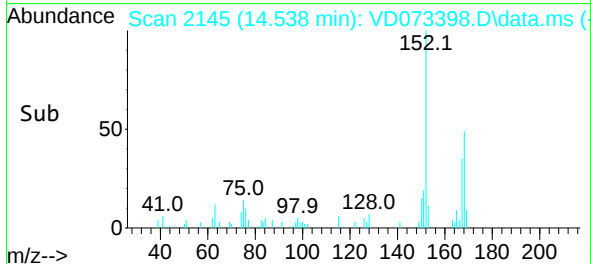
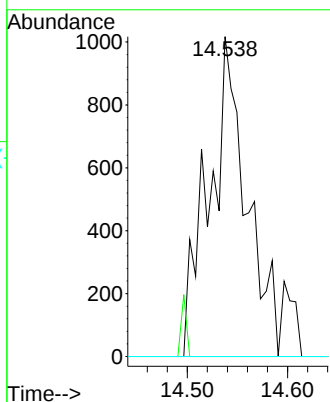
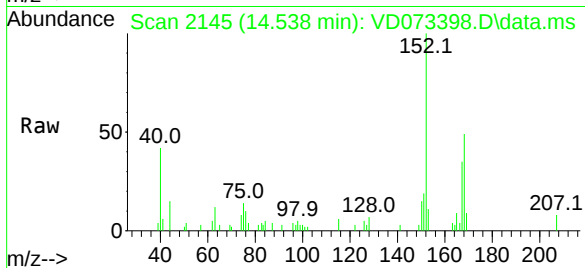




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.097 ug/l
RT: 14.538 min Scan# 2137
Delta R.T. 0.048 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Instrument :
MSVOA_D
ClientSampleId :
PSC-124030

Tgt Ion: 75 Resp: 2644
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 5.527 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073398.D
Acq: 26 May 2022 19:56

Tgt Ion: 128 Resp: 22416
Ion Ratio Lower Upper
128 100
127 17.3 10.3 15.5#
129 11.8 8.4 12.6

