

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073205.D
 Acq On : 21 May 2022 01:37
 Operator : VA/SY
 Sample : N2885-07
 Misc : 4.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS004-0006-01

Quant Time: May 21 03:54:31 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)

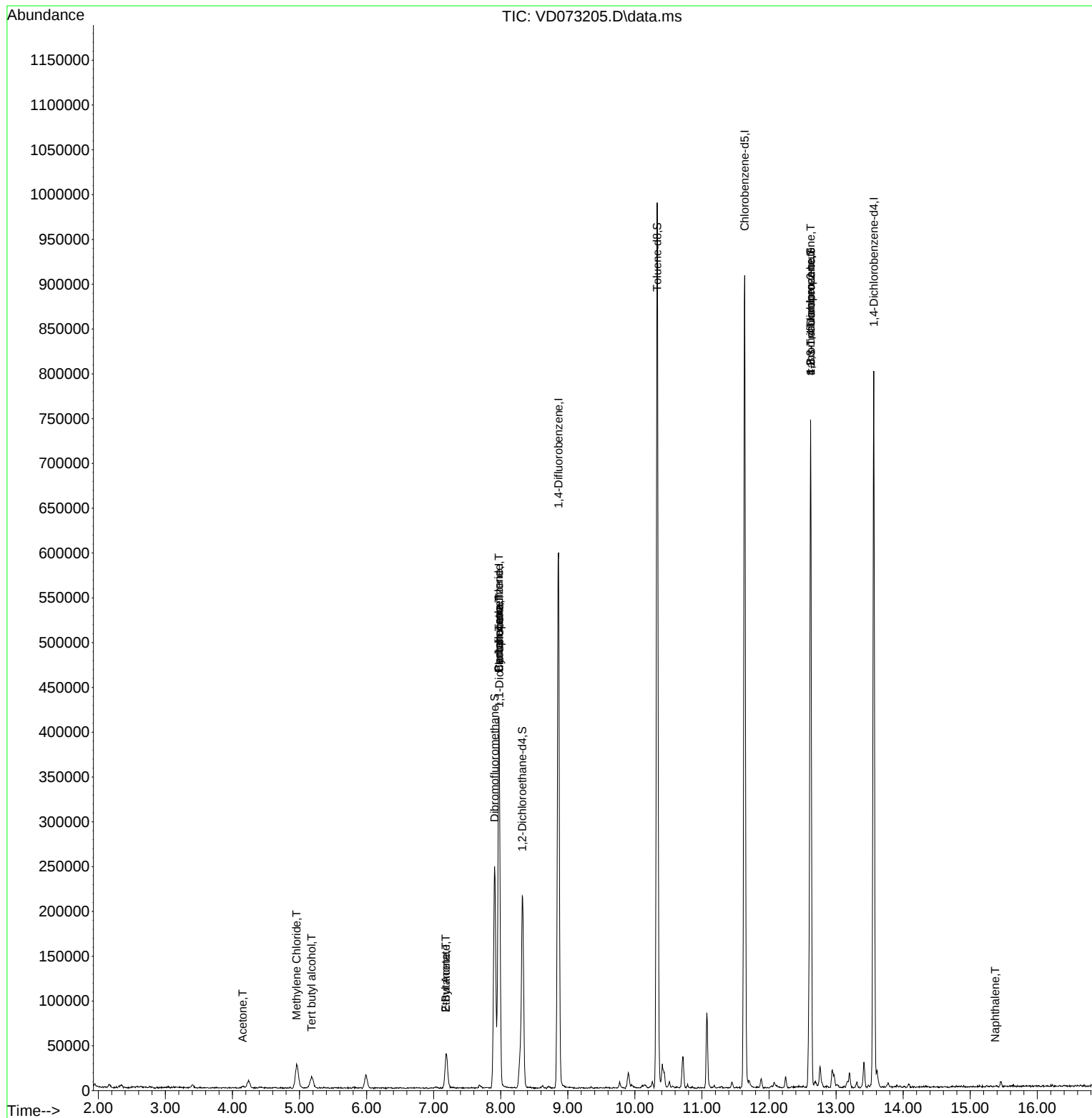
Internal Standards						
1) Pentafluorobenzene	7.973	168	292437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	510677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	523889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	208152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	168303	52.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.160%			
35) Dibromofluoromethane	7.908	113	177818	52.768	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.540%			
50) Toluene-d8	10.332	98	640887	51.593	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.180%			
62) 4-Bromofluorobenzene	12.620	95	236152	54.171	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.340%			
Target Compounds						
5) Bromomethane	2.779	94	682	Below Cal		97
11) Tert butyl alcohol	5.179	59	11455	22.845 ug/l #		74
16) Acetone	4.150	43	3898	6.963 ug/l #		82
20) Methylene Chloride	4.956	84	21396	2.209 ug/l #		78
25) 2-Butanone	7.179	43	2097	2.560 ug/l #		52
31) Cyclohexane	7.973	56	6229	1.103 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	25520	5.035 ug/l #		51
37) Ethyl Acetate	7.179	43	2097	1.048 ug/l #		17
38) Carbon Tetrachloride	7.973	117	30149	5.869 ug/l #		19
76) 1,2,3-Trichloropropane	12.620	75	116663	57.122 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	116663	137.134 ug/l #		7
95) Naphthalene	15.373	128	61	3.550 ug/l #		70

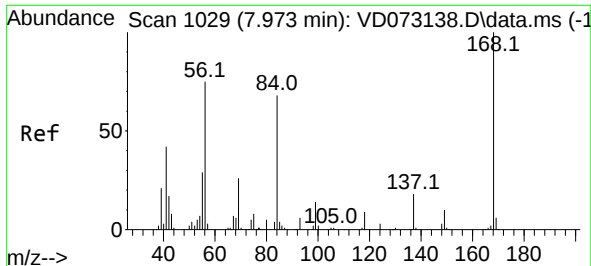
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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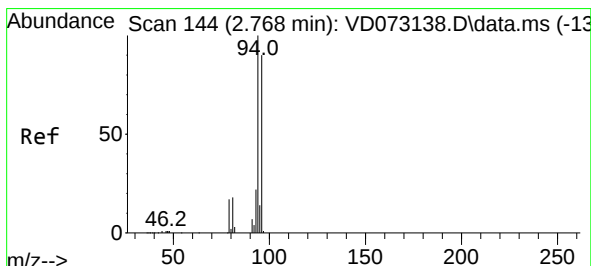
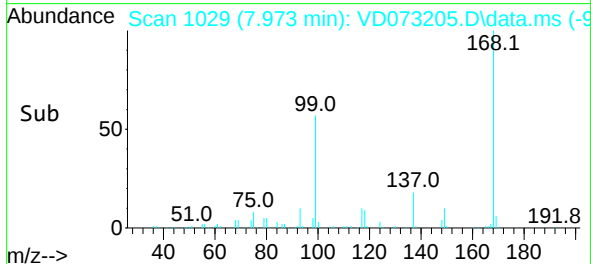
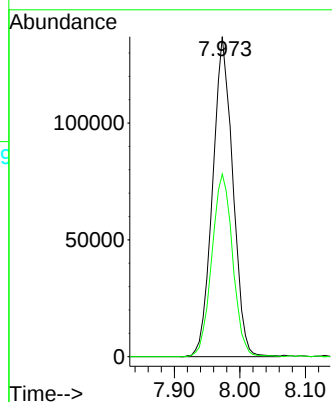
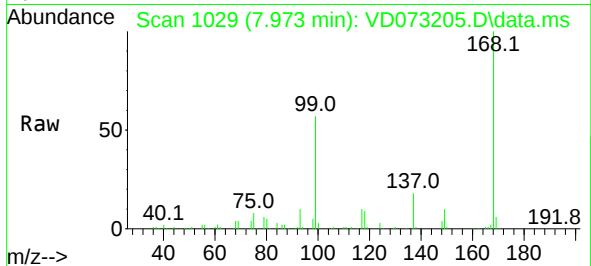




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

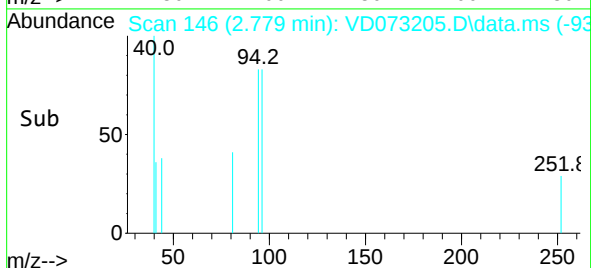
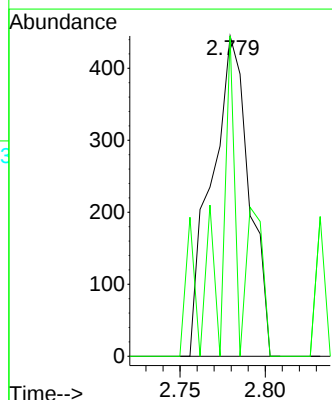
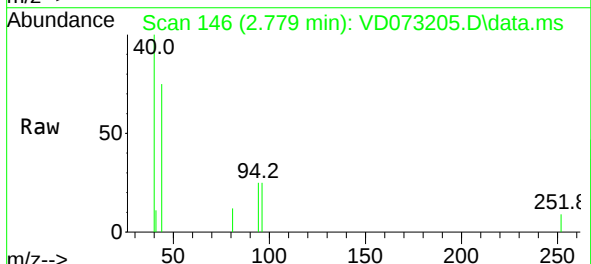
Instrument :
MSVOA_D
ClientSampleId :
P004-SS004-0006-01

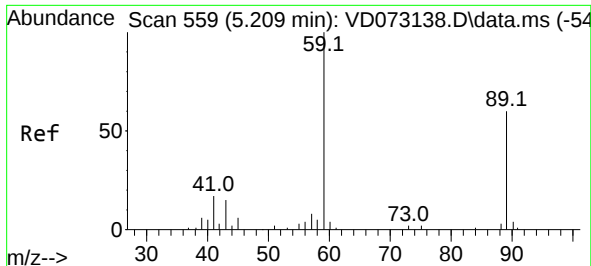
Tgt Ion:168 Resp: 292437
Ion Ratio Lower Upper
168 100
99 57.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Tgt Ion: 94 Resp: 682
Ion Ratio Lower Upper
94 100
96 100.0 77.6 116.4

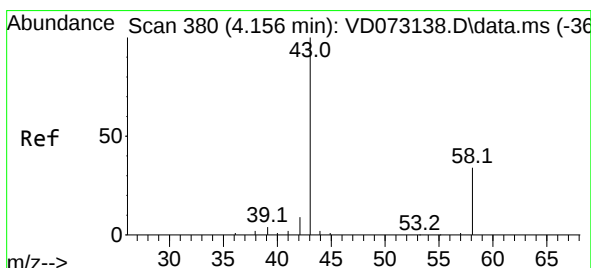
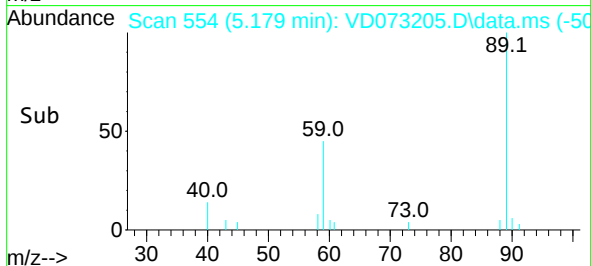
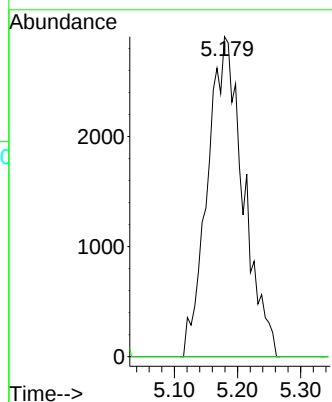
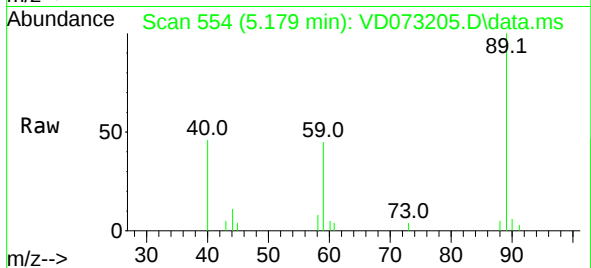




#11
Tert butyl alcohol
Concen: 22.845 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

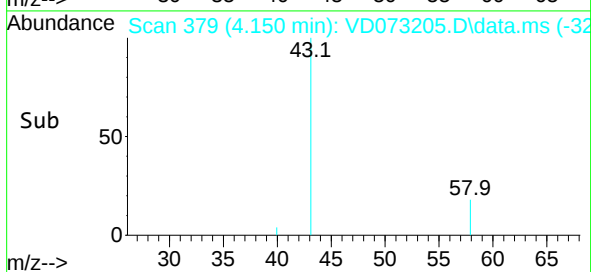
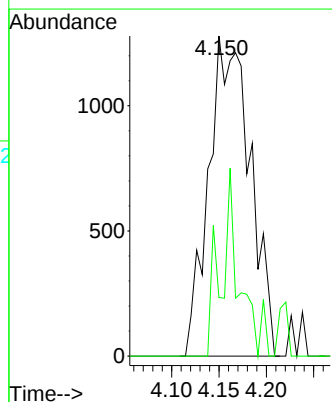
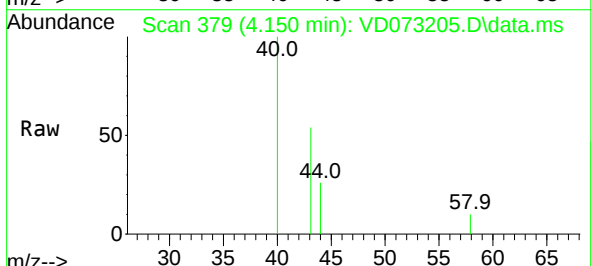
Instrument :
MSVOA_D
ClientSampleId :
P004-SS004-0006-01

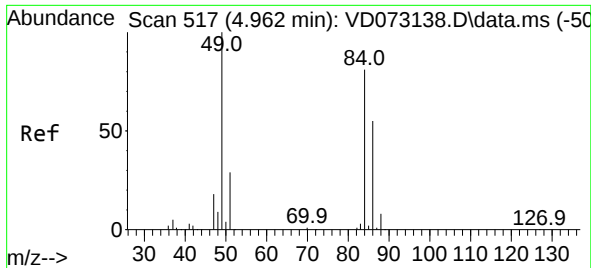
Tgt Ion: 59 Resp: 11455
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.963 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Tgt Ion: 43 Resp: 3898
Ion Ratio Lower Upper
43 100
58 18.3 22.1 33.1#

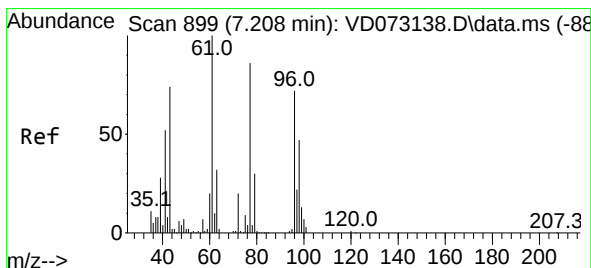
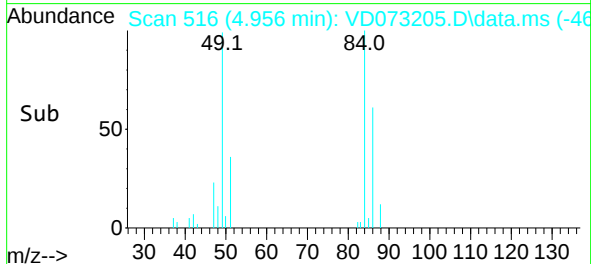
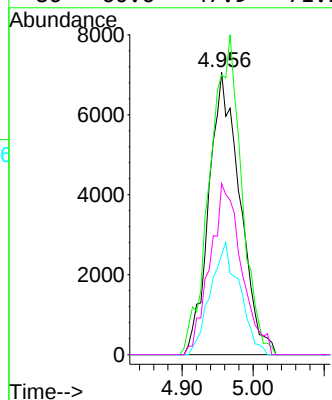
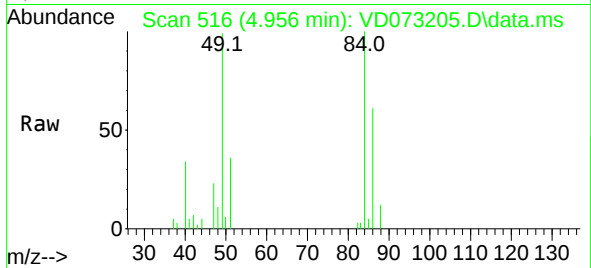




#20
Methylene Chloride
Concen: 2.209 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

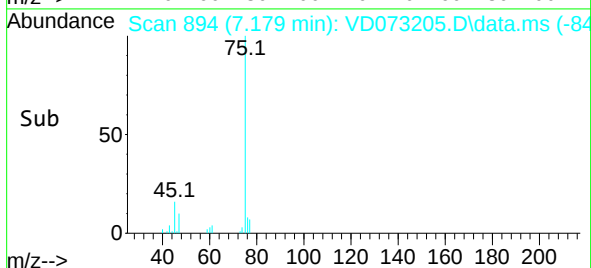
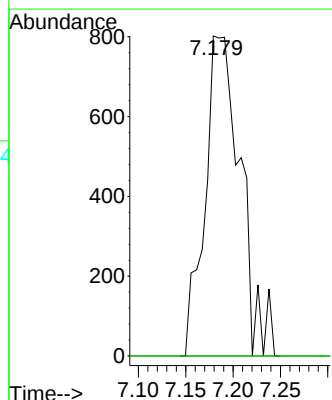
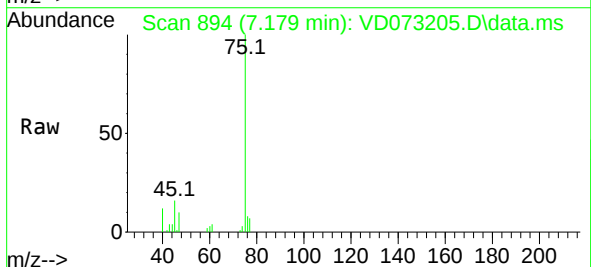
Instrument :
MSVOA_D
ClientSampleId :
P004-SS004-0006-01

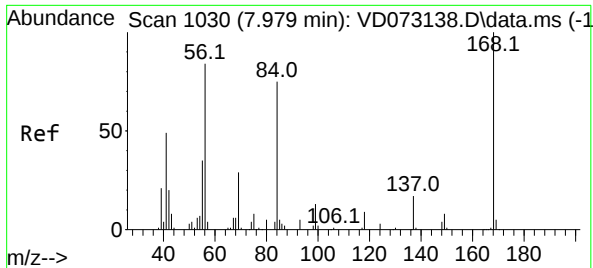
Tgt Ion: 84 Resp: 21396
Ion Ratio Lower Upper
84 100
49 99.1 112.8 169.2#
51 35.5 32.6 48.8
86 60.6 47.9 71.9



#25
2-Butanone
Concen: 2.560 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Tgt Ion: 43 Resp: 2097
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

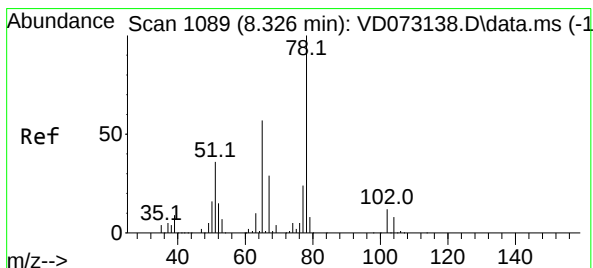
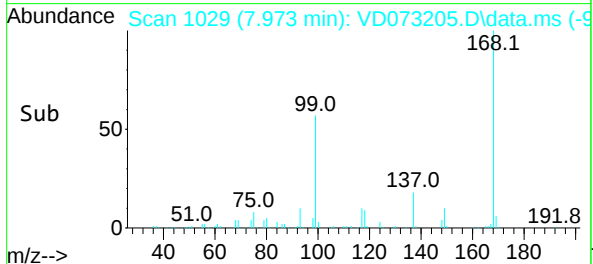
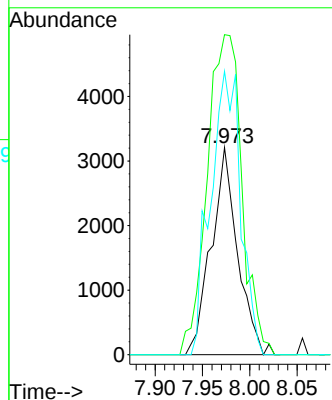
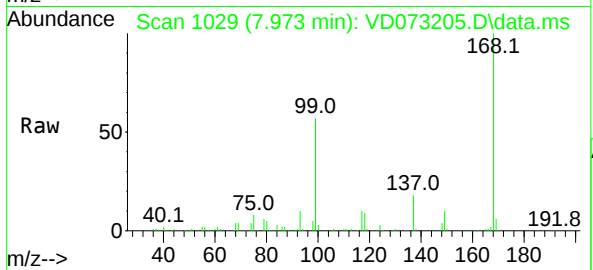




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

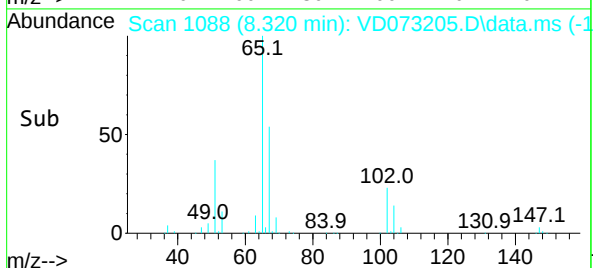
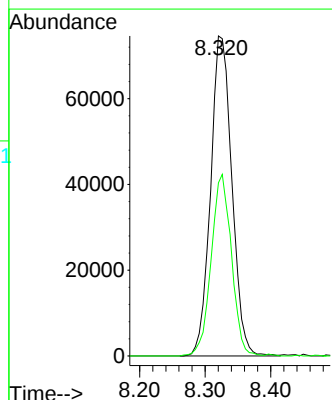
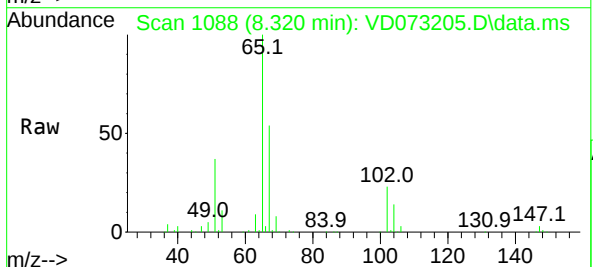
Instrument :
MSVOA_D
ClientSampleId :
P004-SS004-0006-01

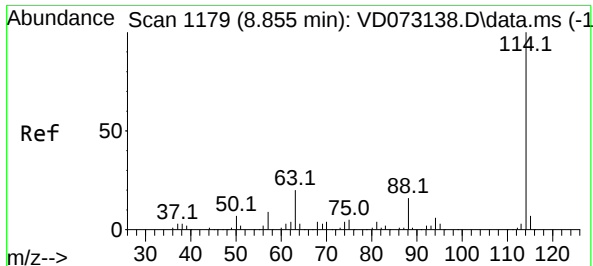
Tgt Ion: 56 Resp: 6229
Ion Ratio Lower Upper
56 100
69 154.4 25.4 38.2#
84 136.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 52.076 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Tgt Ion: 65 Resp: 168303
Ion Ratio Lower Upper
65 100
67 54.0 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: VD073205.D

Acq: 21 May 2022 01:37

Instrument :

MSVOA_D

ClientSampleId :

P004-SS004-0006-01

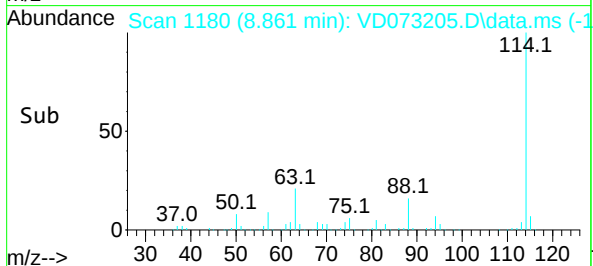
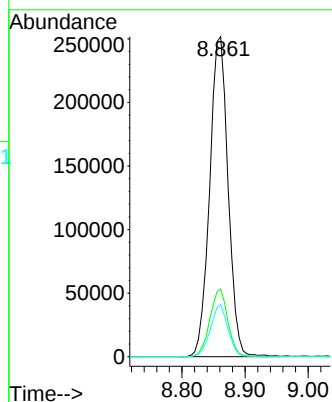
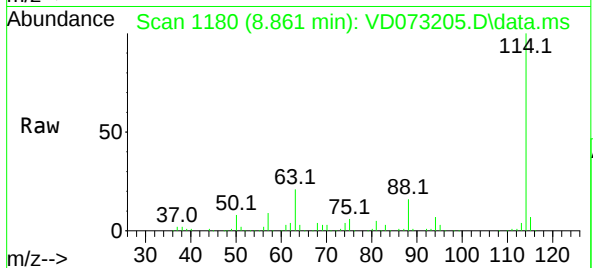
Tgt Ion:114 Resp: 510677

Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

88 16.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.768 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073205.D

Acq: 21 May 2022 01:37

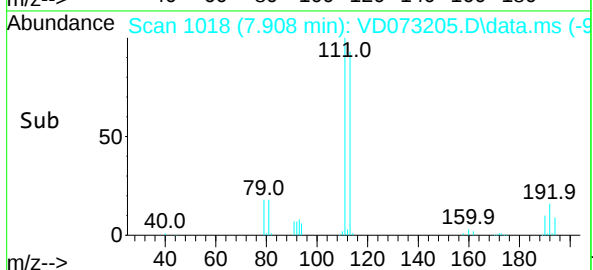
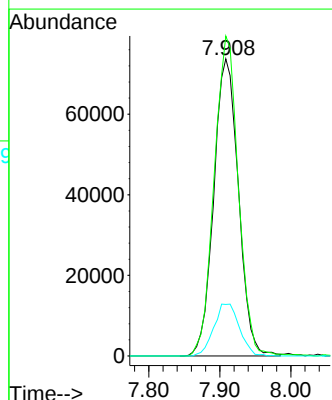
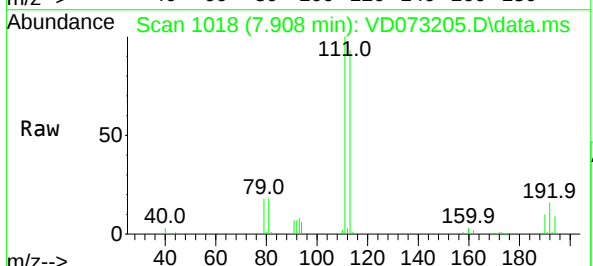
Tgt Ion:113 Resp: 177818

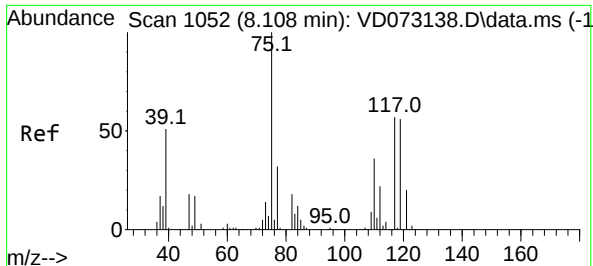
Ion Ratio Lower Upper

113 100

111 105.5 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.035 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD073205.D

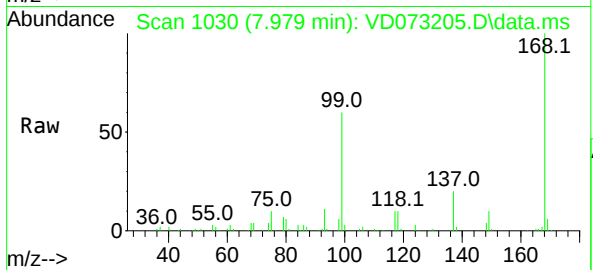
Acq: 21 May 2022 01:37

Instrument :

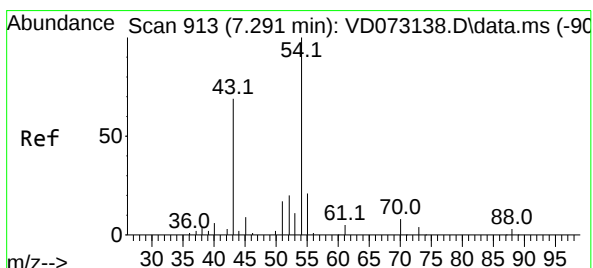
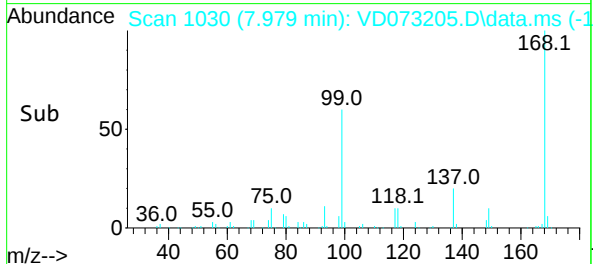
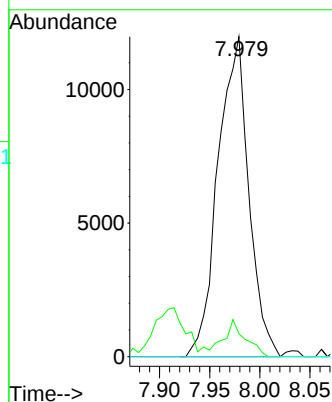
MSVOA_D

ClientSampleId :

P004-SS004-0006-01



Tgt Ion: 75	Resp: 25520
Ion Ratio	Lower Upper
75 100	
110 8.1	16.4 49.1#
77 0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 1.048 ug/l

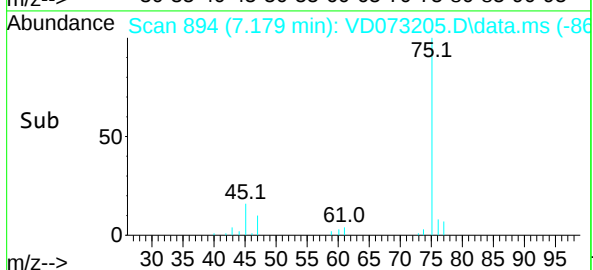
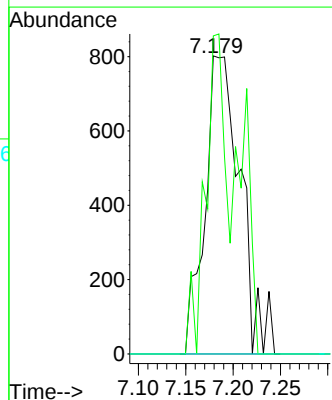
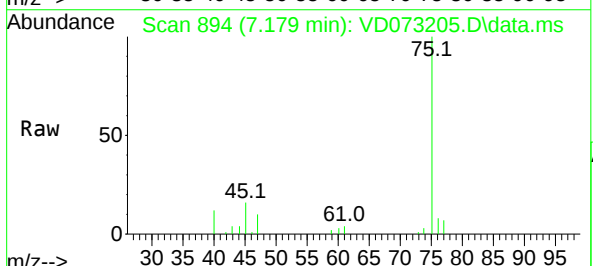
RT: 7.179 min Scan# 894

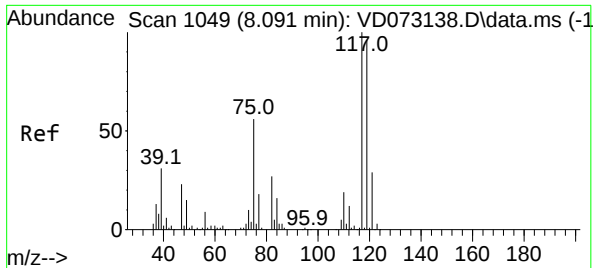
Delta R.T. -0.112 min

Lab File: VD073205.D

Acq: 21 May 2022 01:37

Tgt Ion: 43	Resp: 2097
Ion Ratio	Lower Upper
43 100	
61 60.9	9.8 14.8#
70 0.0	6.9 10.3#

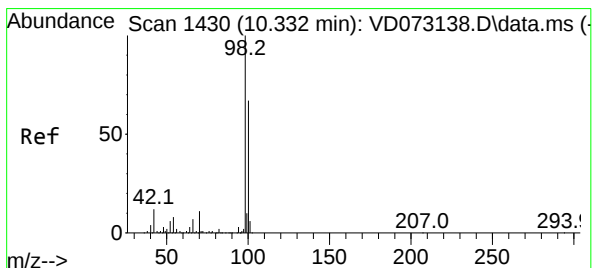
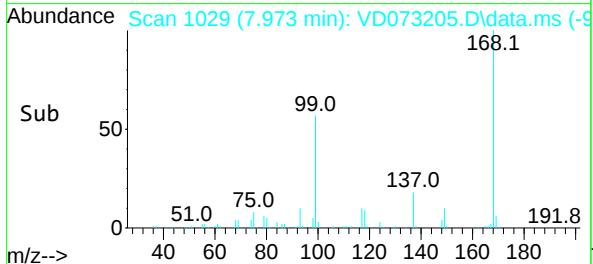
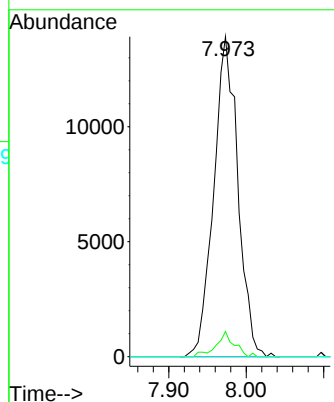
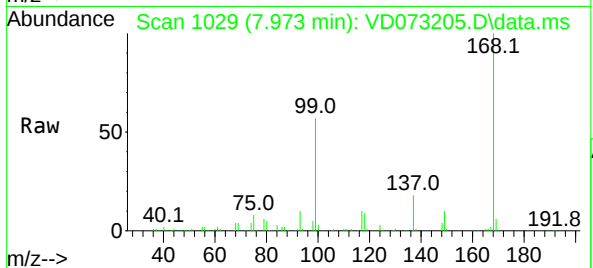




#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

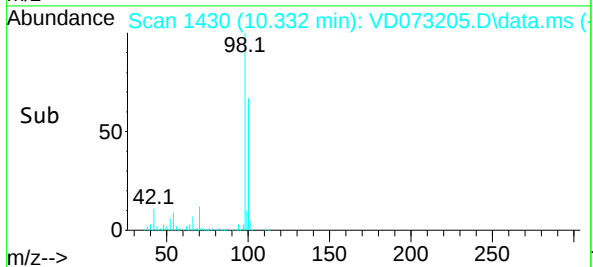
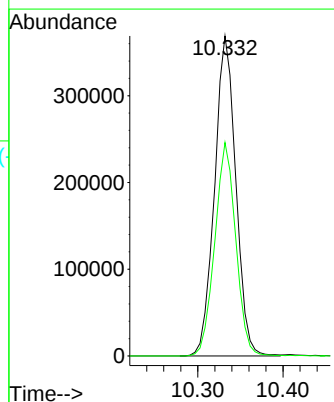
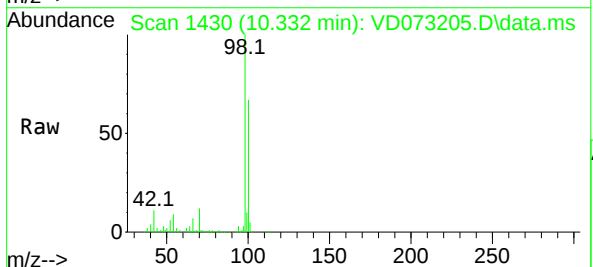
Instrument :
MSVOA_D
ClientSampleId :
P004-SS004-0006-01

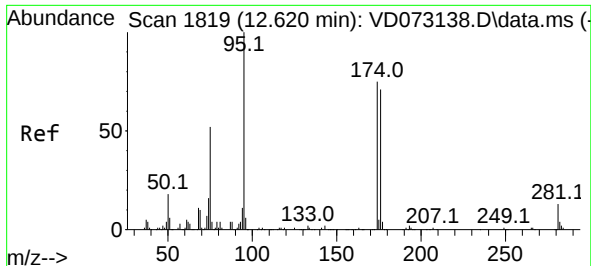
Tgt Ion:117 Resp: 30149
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.593 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Tgt Ion: 98 Resp: 640887
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

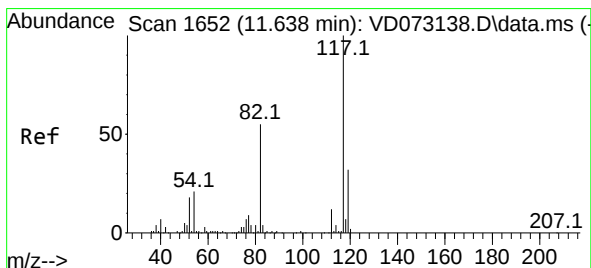
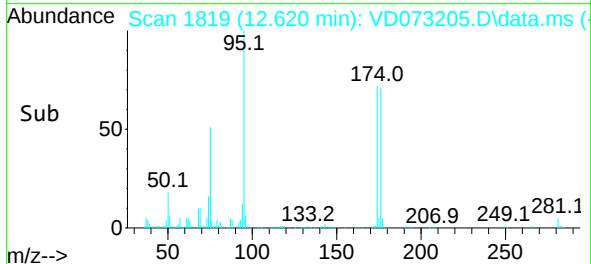
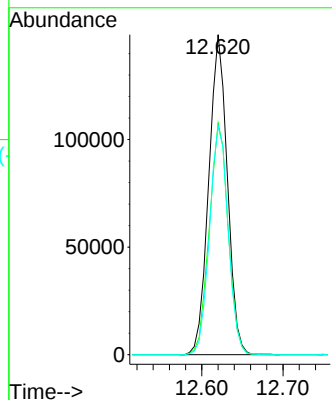
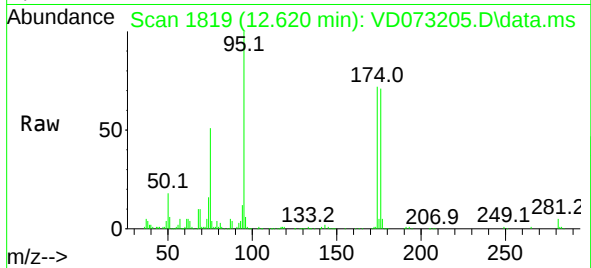




#62
4-Bromofluorobenzene
Concen: 54.171 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

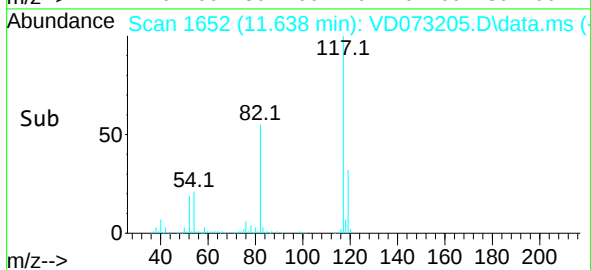
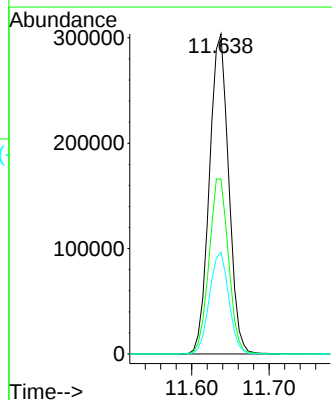
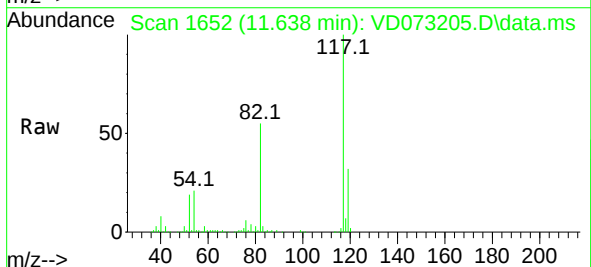
Instrument :
MSVOA_D
ClientSampleId :
P004-SS004-0006-01

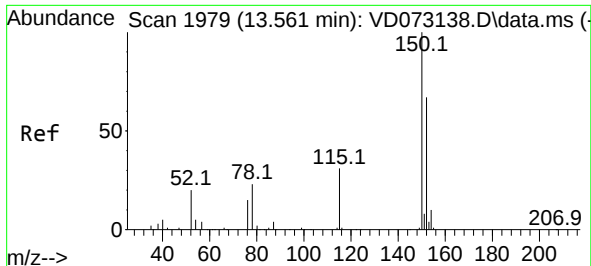
Tgt Ion: 95 Resp: 236152
Ion Ratio Lower Upper
95 100
174 73.6 0.0 152.8
176 71.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Tgt Ion: 117 Resp: 523889
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 31.7 26.6 40.0

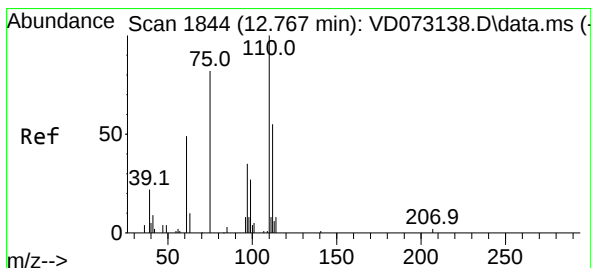
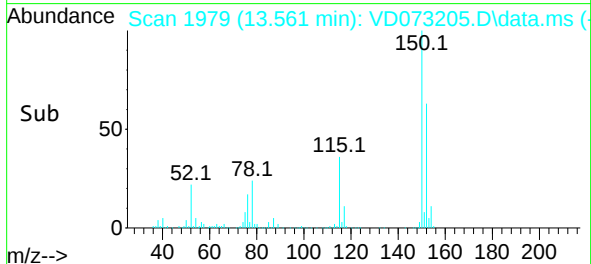
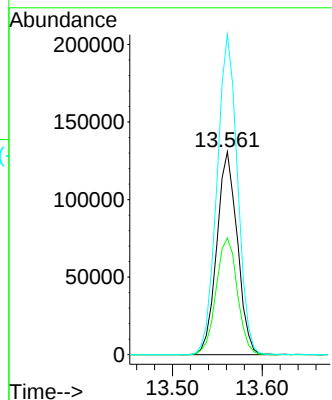
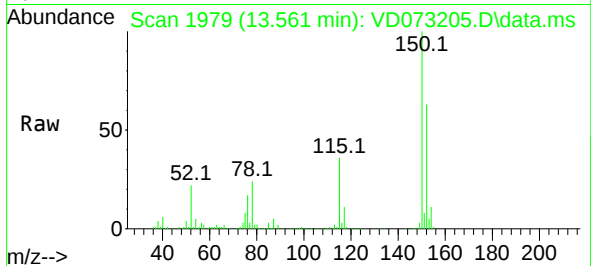




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073205.D
 Acq: 21 May 2022 01:37

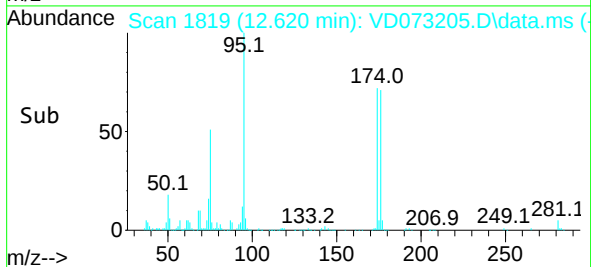
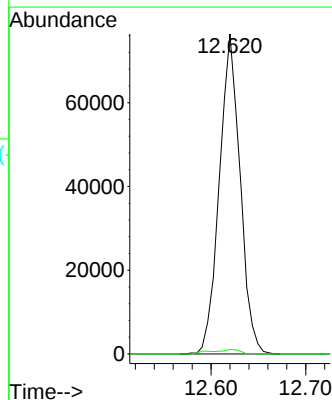
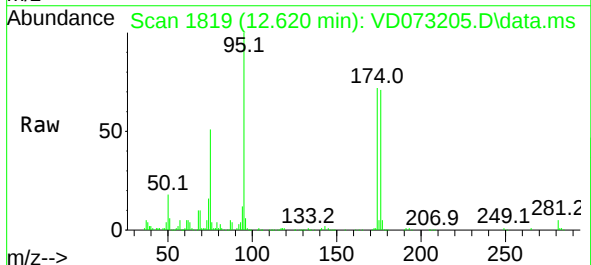
Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS004-0006-01

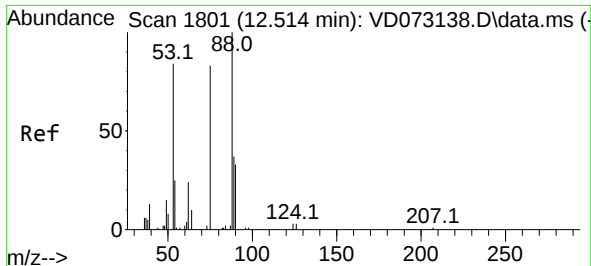
Tgt Ion:152 Resp: 208152
 Ion Ratio Lower Upper
 152 100
 115 59.4 31.3 93.8
 150 157.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 57.122 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073205.D
 Acq: 21 May 2022 01:37

Tgt Ion: 75 Resp: 116663
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

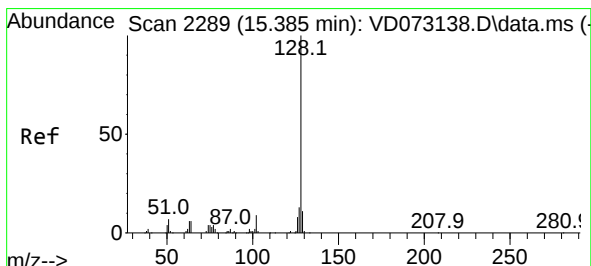
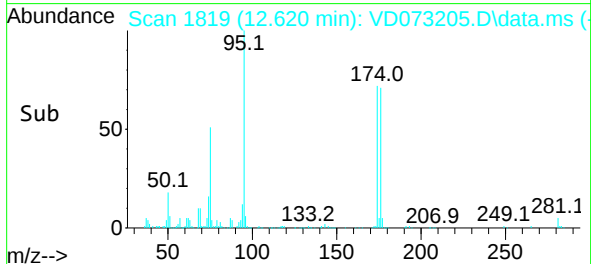
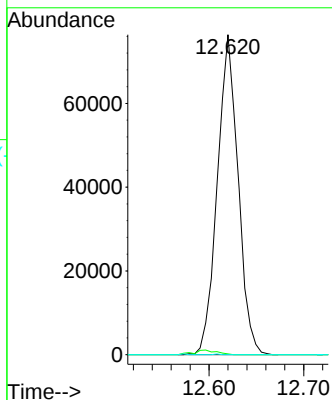
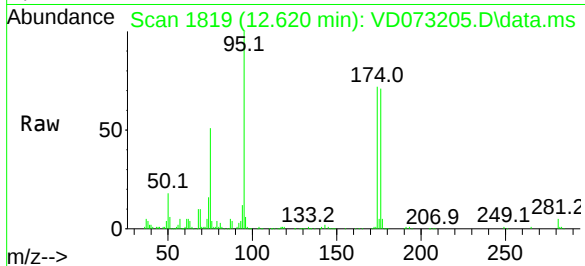




#81
trans-1,4-Dichloro-2-butene
Concen: 137.134 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Instrument :
MSVOA_D
ClientSampleId :
P004-SS004-0006-01

Tgt Ion: 75 Resp: 116663
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.550 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD073205.D
Acq: 21 May 2022 01:37

Tgt Ion: 128 Resp: 61
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

