

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073201.D
 Acq On : 20 May 2022 23:42
 Operator : VA/SY
 Sample : N2885-03
 Misc : 5.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-1218-01

Quant Time: May 21 00:18:24 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)

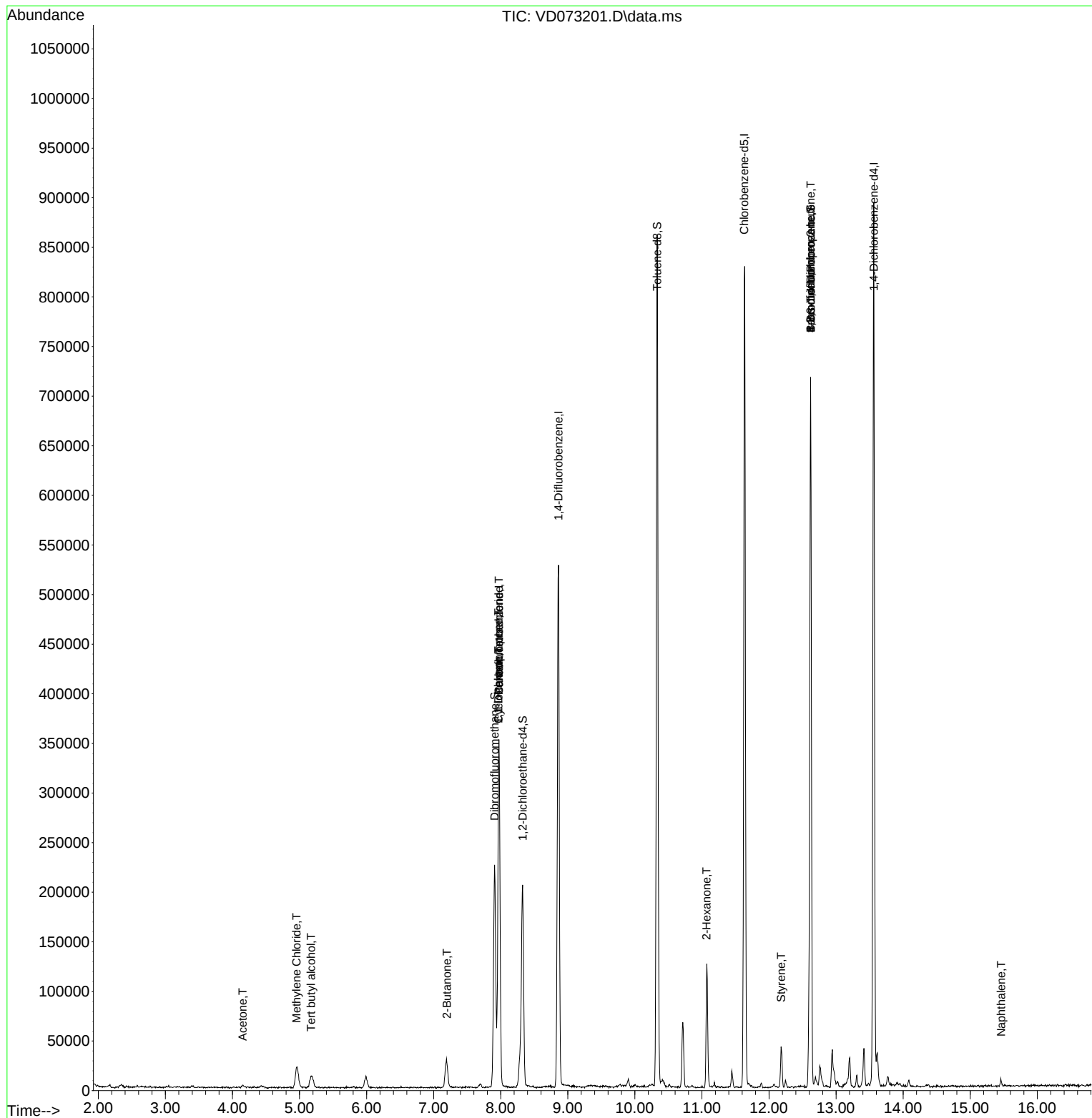
Internal Standards						
1) Pentafluorobenzene	7.973	168	252172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	448418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	485942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	158788	56.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.960%	
35) Dibromofluoromethane	7.908	113	160298	54.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.340%	
50) Toluene-d8	10.332	98	568124	52.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.180%	
62) 4-Bromofluorobenzene	12.620	95	225513	58.913	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.820%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	605	Below Cal	#	46
11) Tert butyl alcohol	5.173	59	12013	27.783	ug/l #	78
16) Acetone	4.150	43	4130	8.556	ug/l #	79
20) Methylene Chloride	4.956	84	16624	1.561	ug/l	84
25) 2-Butanone	7.197	43	1937	2.743	ug/l #	52
31) Cyclohexane	7.967	56	6389	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	20972	4.713	ug/l #	50
38) Carbon Tetrachloride	7.973	117	27527	6.102	ug/l #	15
59) 2-Hexanone	11.067	43	1354	1.217	ug/l #	33
70) Styrene	12.179	104	21183	1.971	ug/l #	84
71) Bromoform	12.620	173	2062	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	111806	49.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	111806	117.938	ug/l #	7
95) Naphthalene	15.461	128	63	3.549	ug/l #	70

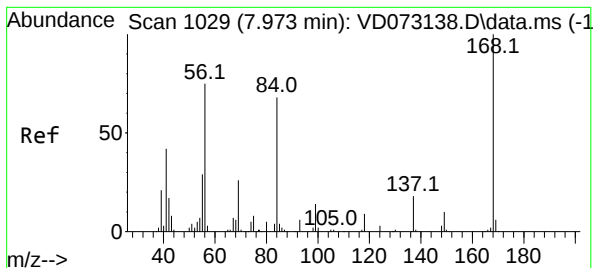
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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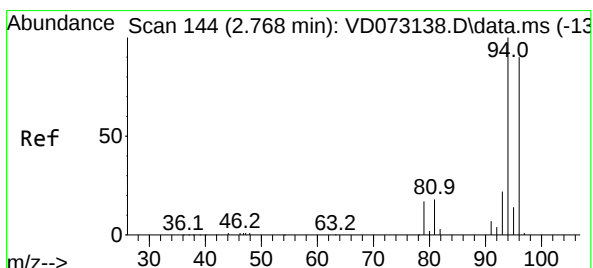
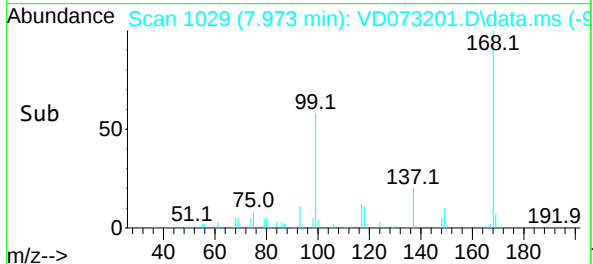
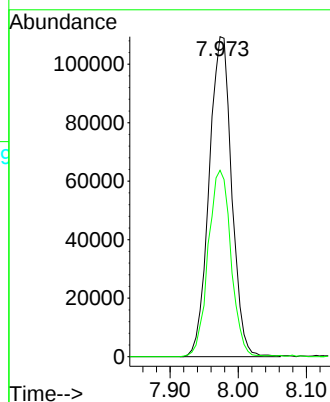
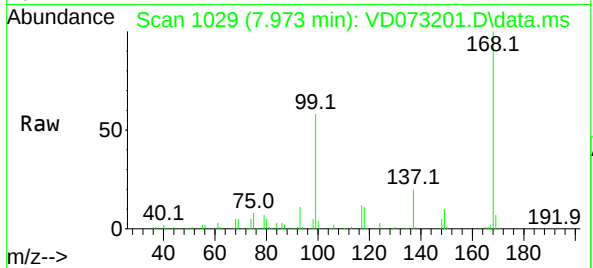




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

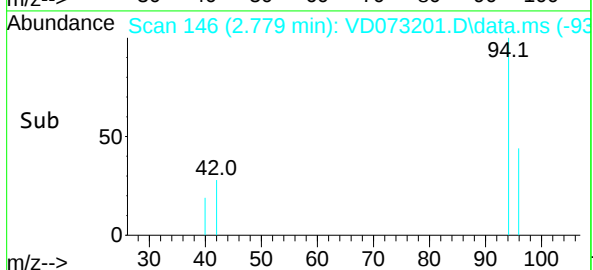
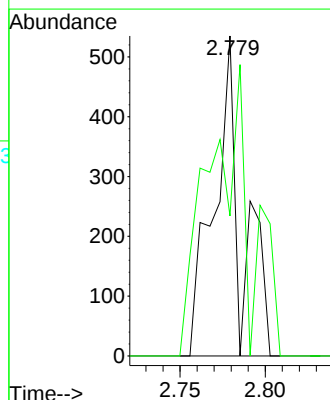
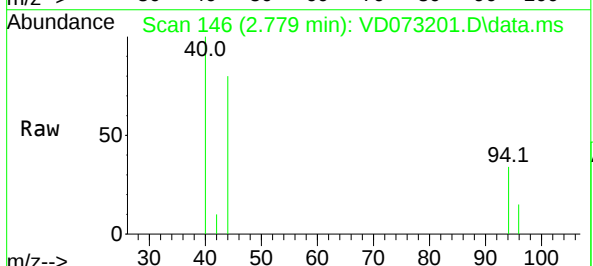
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

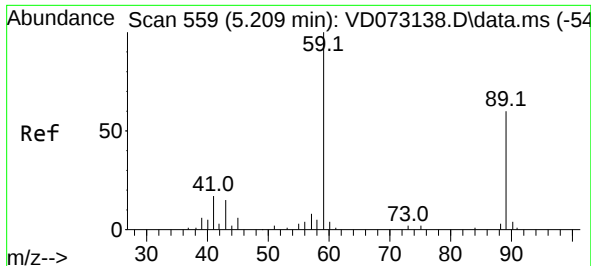
Tgt Ion:168 Resp: 252172
Ion Ratio Lower Upper
168 100
99 58.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 94 Resp: 605
Ion Ratio Lower Upper
94 100
96 43.7 77.6 116.4#

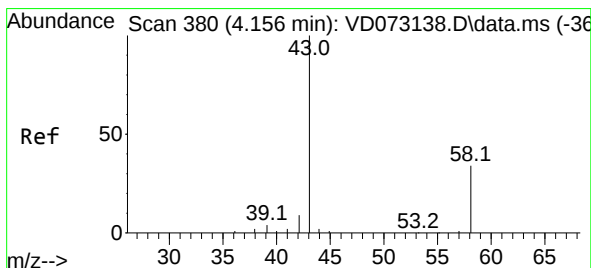
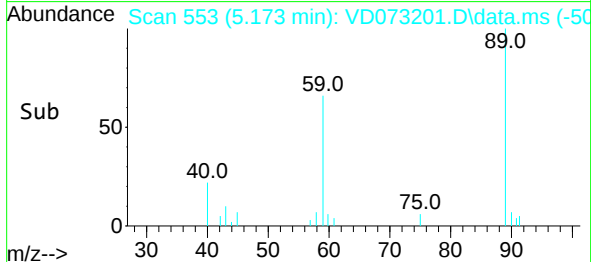
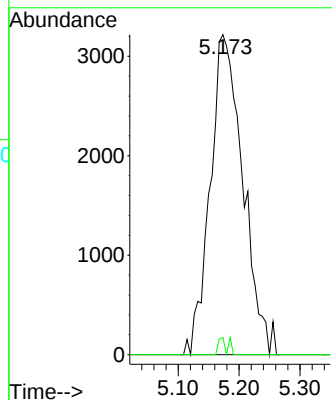
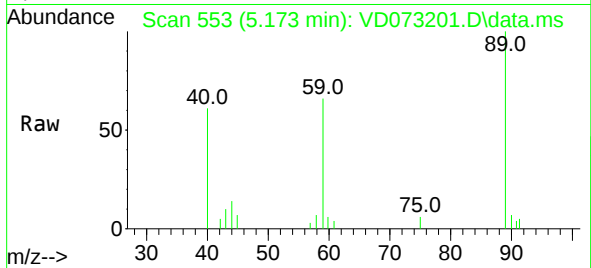




#11
Tert butyl alcohol
Concen: 27.783 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

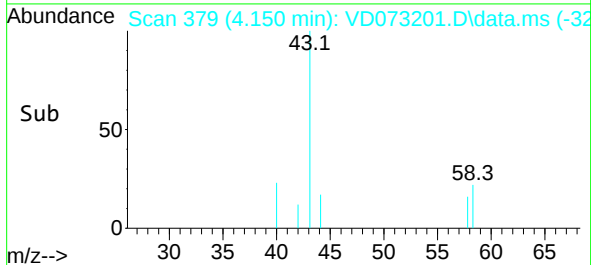
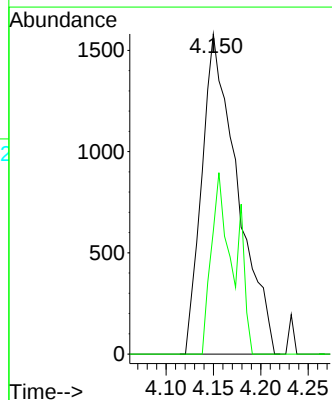
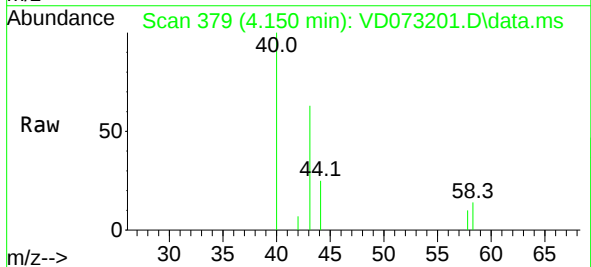
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

Tgt Ion: 59 Resp: 12013
Ion Ratio Lower Upper
59 100
57 1.5 7.8 11.6#



#16
Acetone
Concen: 8.556 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 43 Resp: 4130
Ion Ratio Lower Upper
43 100
58 38.4 22.1 33.1#

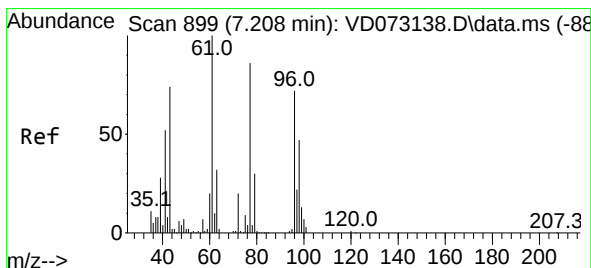
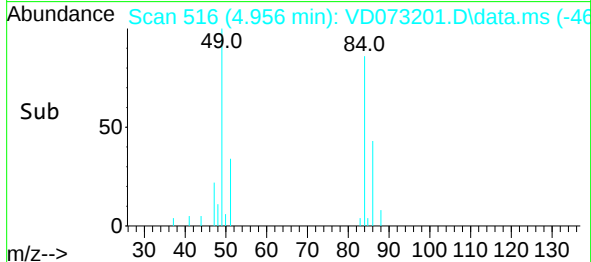
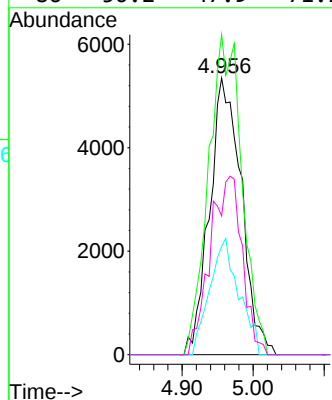
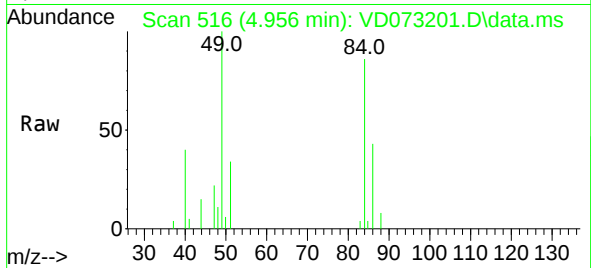




#20
Methylene Chloride
Concen: 1.561 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

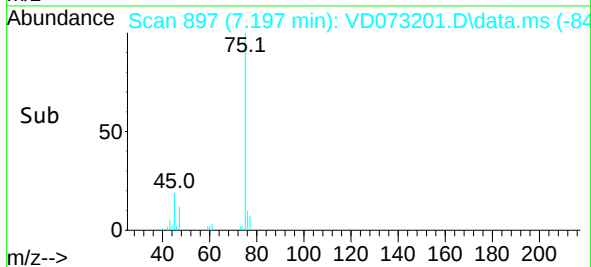
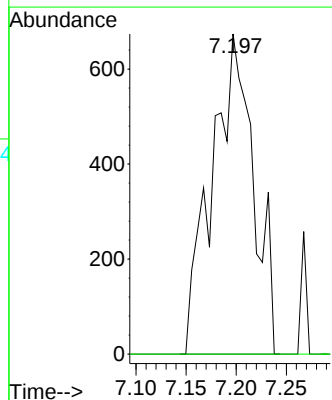
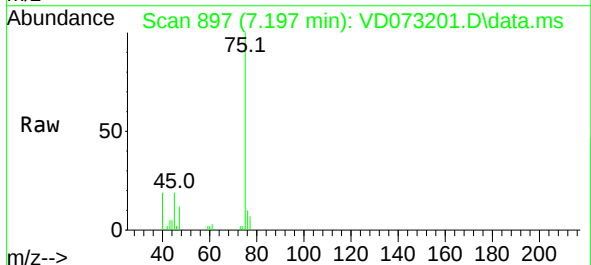
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

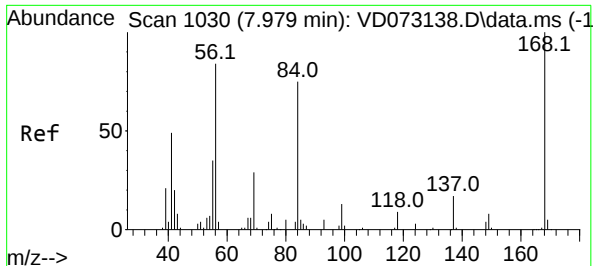
Tgt Ion: 84	Resp: 16624		
Ion	Ratio	Lower	Upper
84	100		
49	115.7	112.8	169.2
51	39.1	32.6	48.8
86	50.2	47.9	71.9



#25
2-Butanone
Concen: 2.743 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 43	Resp: 1937
Ion Ratio	Lower Upper
43 100	
72 0.0	18.6 27.8#





#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073201.D

Acq: 20 May 2022 23:42

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-1218-01

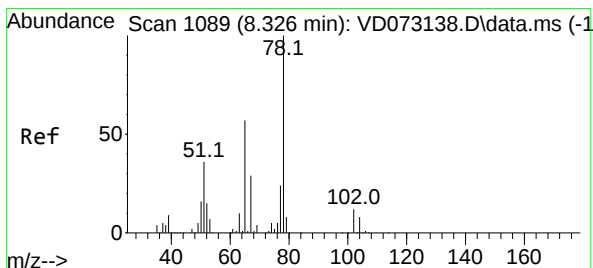
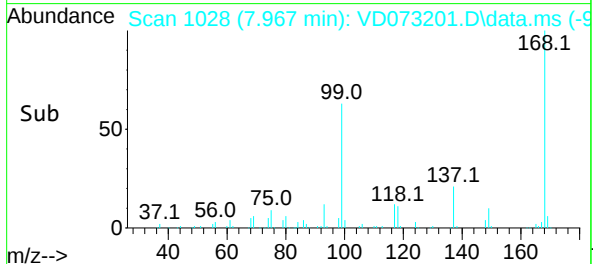
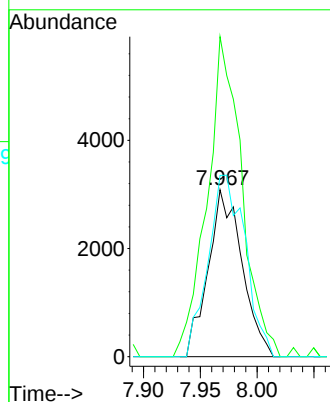
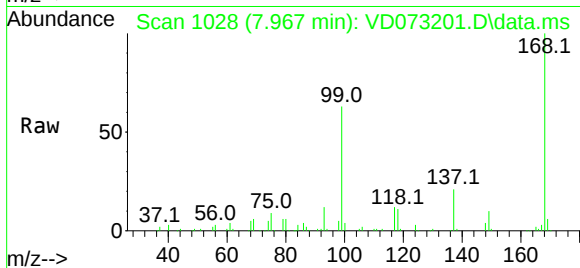
Tgt Ion: 56 Resp: 6389

Ion Ratio Lower Upper

56 100

69 191.7 25.4 38.2#

84 108.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 56.977 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073201.D

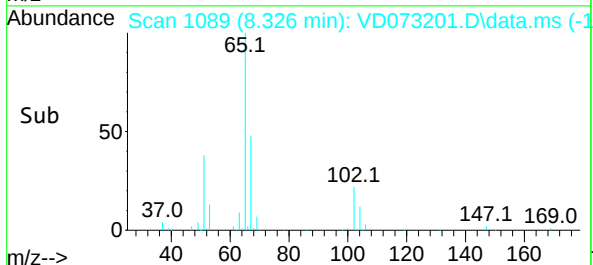
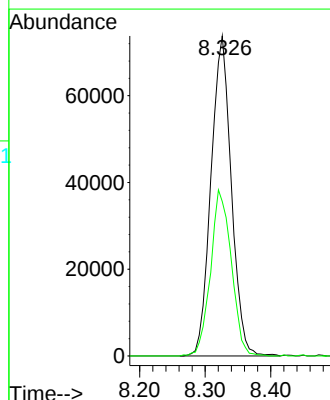
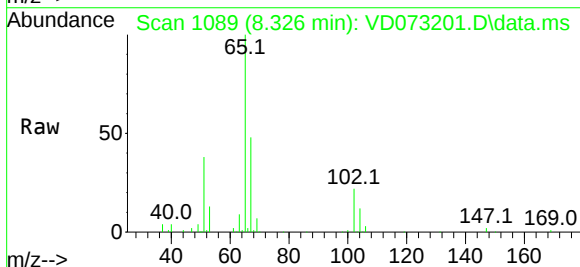
Acq: 20 May 2022 23:42

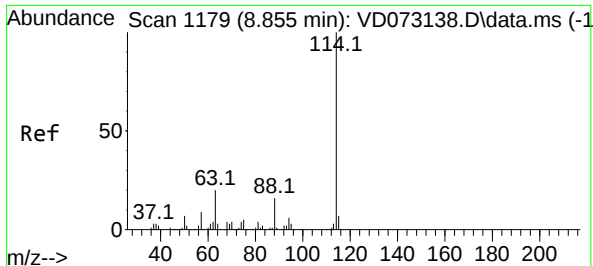
Tgt Ion: 65 Resp: 158788

Ion Ratio Lower Upper

65 100

67 53.0 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: VD073201.D

Acq: 20 May 2022 23:42

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-1218-01

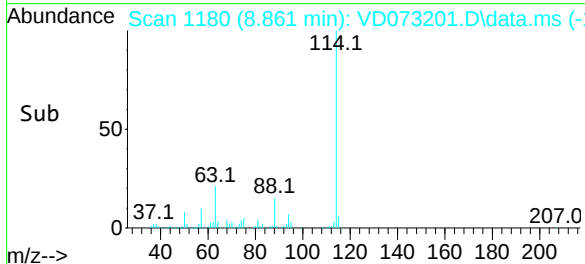
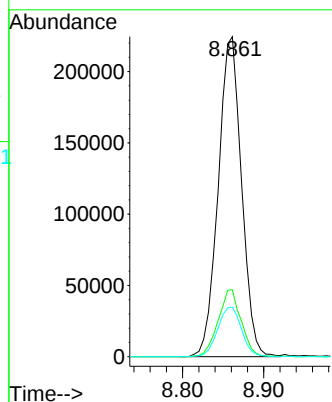
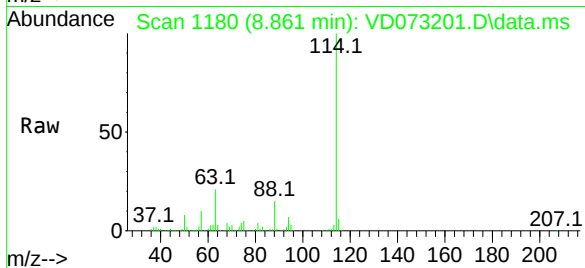
Tgt Ion:114 Resp: 448418

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 54.174 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073201.D

Acq: 20 May 2022 23:42

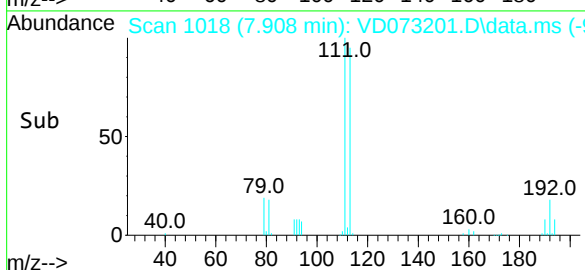
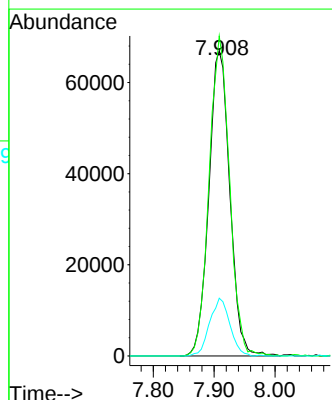
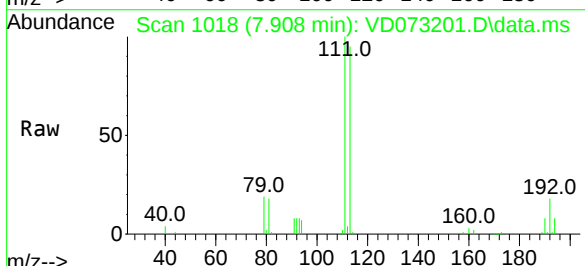
Tgt Ion:113 Resp: 160298

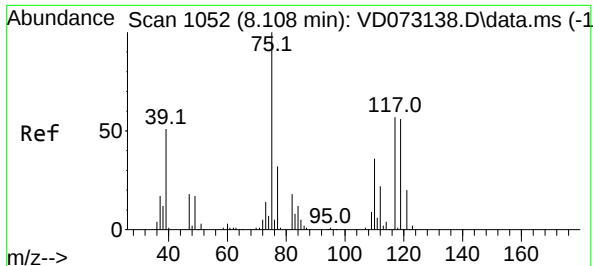
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 18.2 14.6 21.8

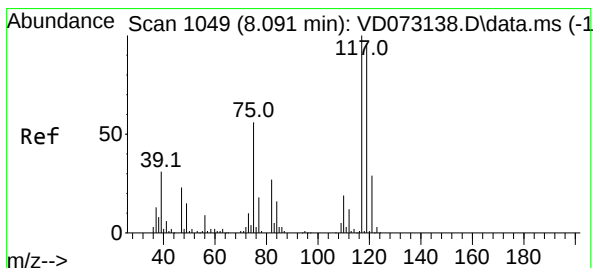
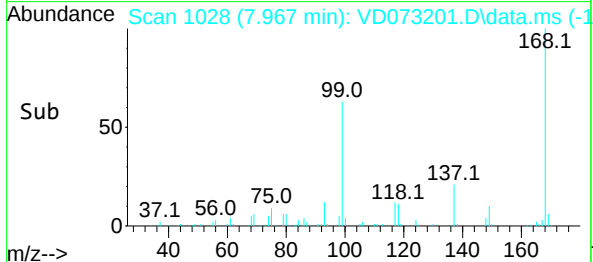
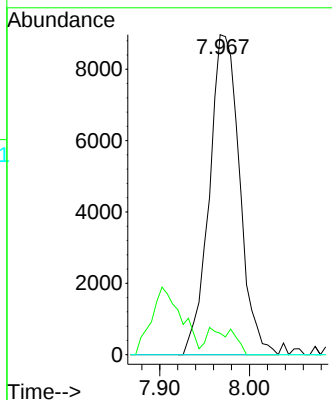
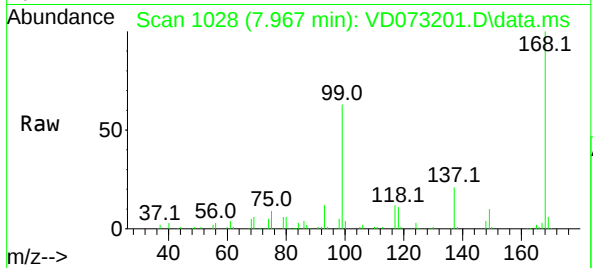




#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

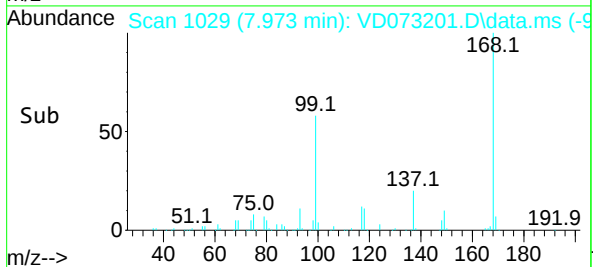
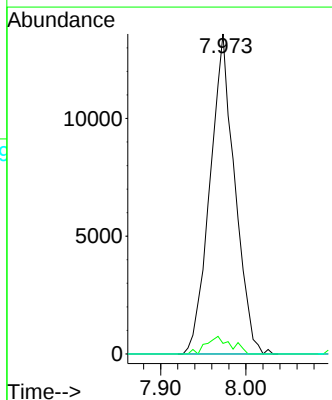
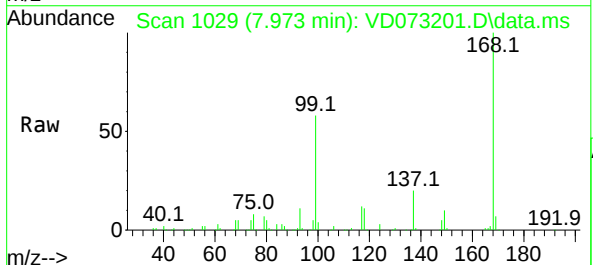
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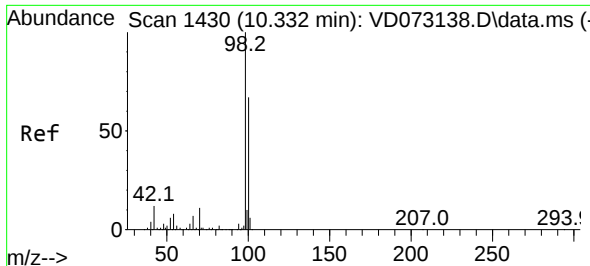
Tgt Ion: 75 Resp: 20972
Ion Ratio Lower Upper
75 100
110 7.3 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 6.102 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 117 Resp: 27527
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.6#
121 0.0 24.5 36.7#

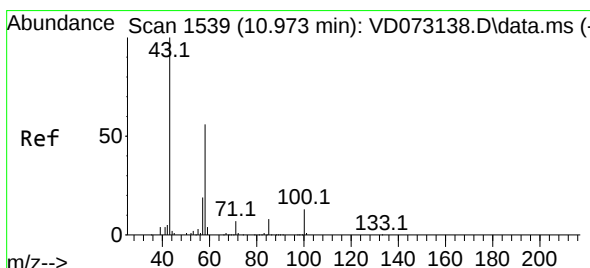
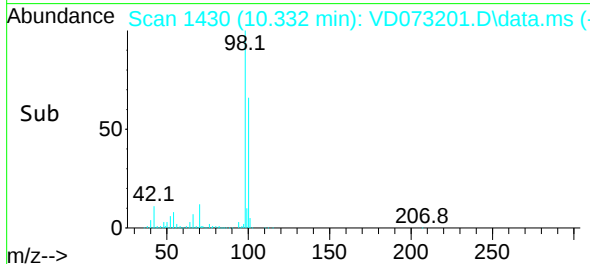
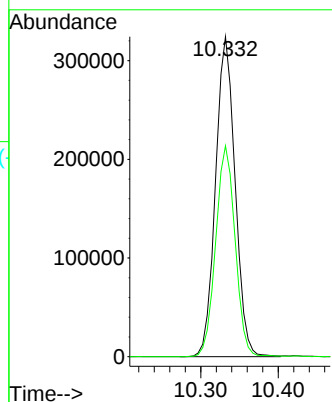
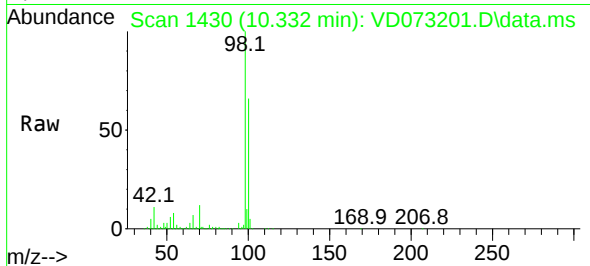




#50
Toluene-d8
Concen: 52.086 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

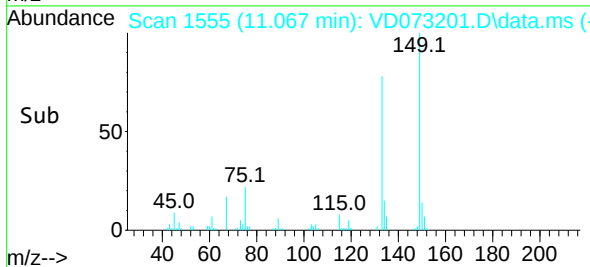
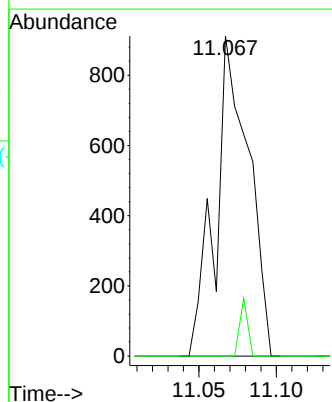
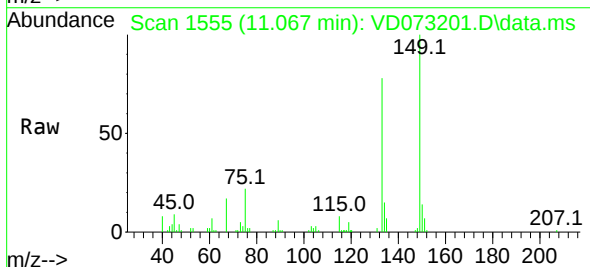
Instrument :
MSVOA_D
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P004-SS002-1218-01

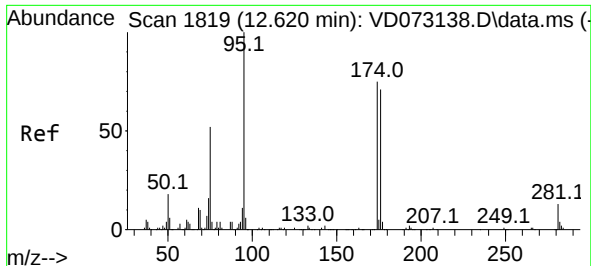
Tgt Ion: 98 Resp: 568124
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#59
2-Hexanone
Concen: 1.217 ug/l
RT: 11.067 min Scan# 1555
Delta R.T. 0.094 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
58 4.3 25.3 75.9#

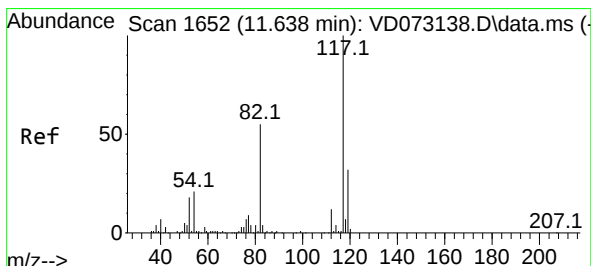
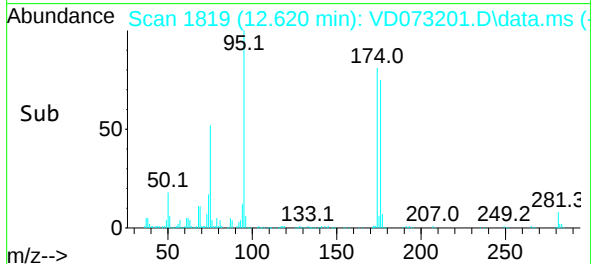
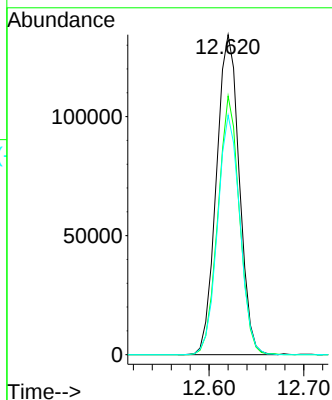
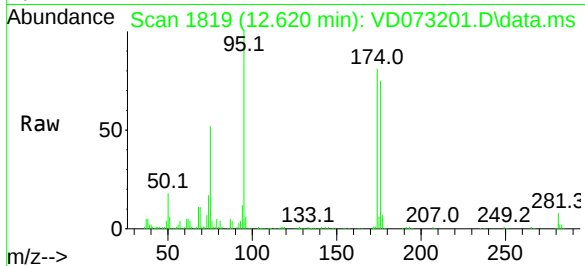




#62
4-Bromofluorobenzene
Concen: 58.913 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

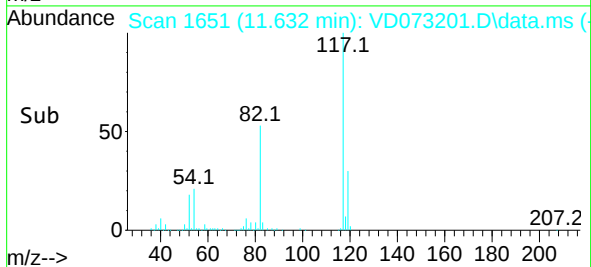
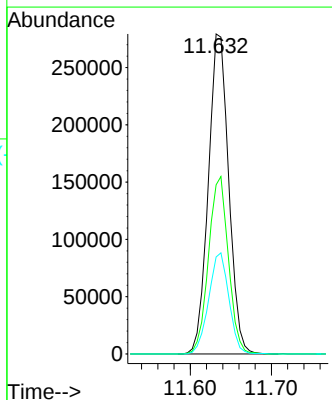
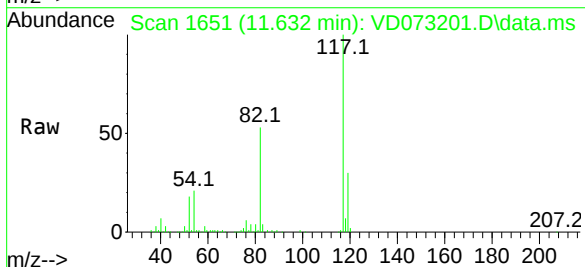
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

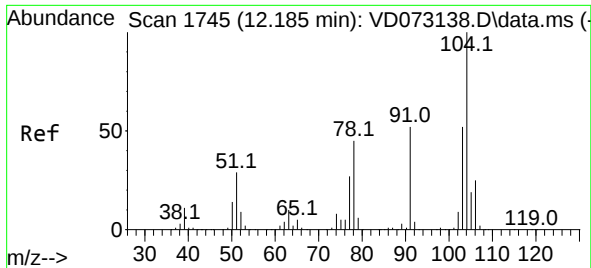
Tgt Ion: 95 Resp: 225513
Ion Ratio Lower Upper
95 100
174 76.0 0.0 152.8
176 73.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion: 117 Resp: 485942
Ion Ratio Lower Upper
117 100
82 52.8 45.3 67.9
119 30.3 26.6 40.0

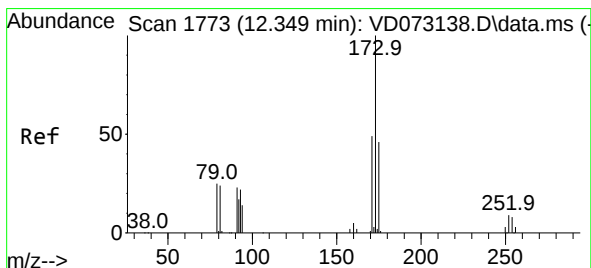
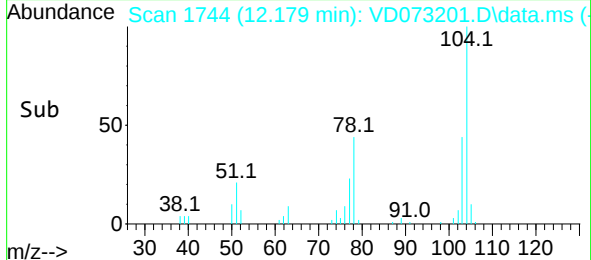
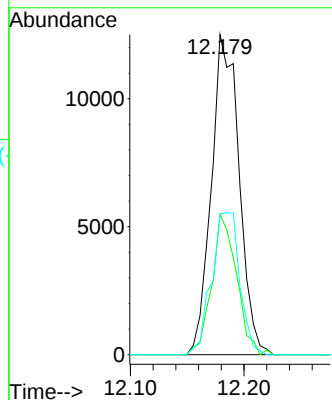
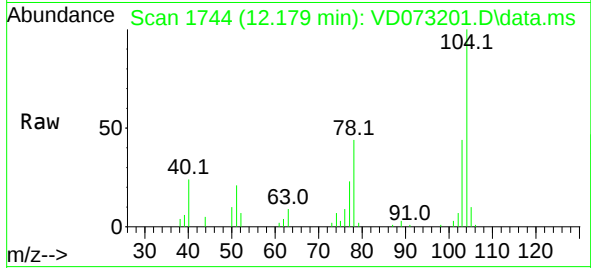




#70
Styrene
Concen: 1.971 ug/l
RT: 12.179 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

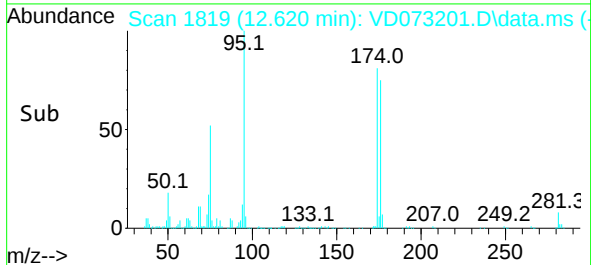
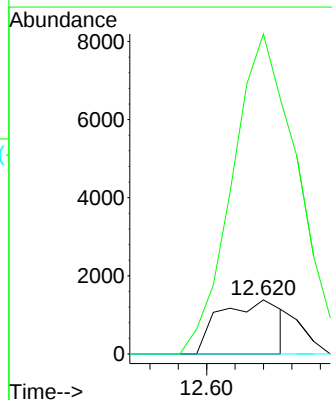
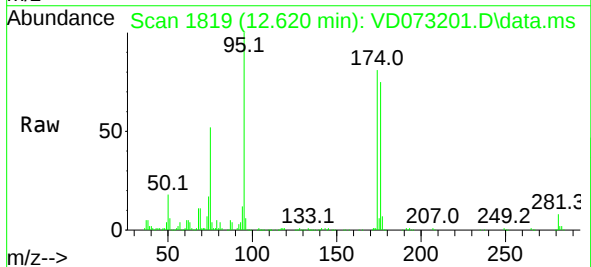
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1218-01

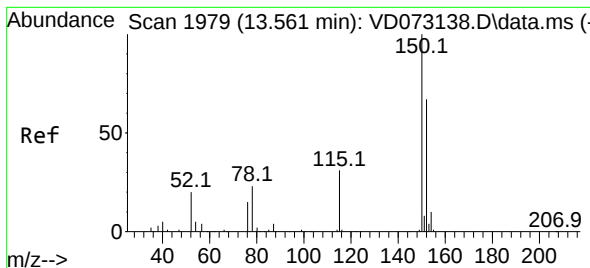
Tgt Ion:104 Resp: 21183
Ion Ratio Lower Upper
104 100
78 39.3 41.8 62.8#
103 45.0 44.2 66.4



#71
Bromoform
Concen: 1.084 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073201.D
Acq: 20 May 2022 23:42

Tgt Ion:173 Resp: 2062
Ion Ratio Lower Upper
173 100
175 482.6 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# 1979

Delta R.T. 0.000 min

Lab File: VD073201.D

Acq: 20 May 2022 23:42

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-1218-01

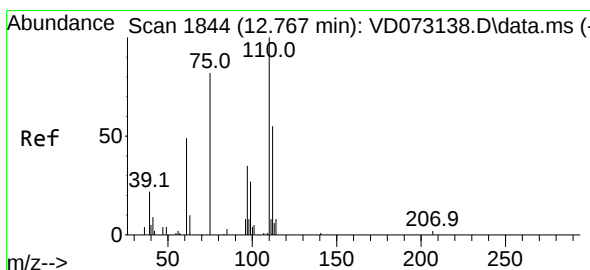
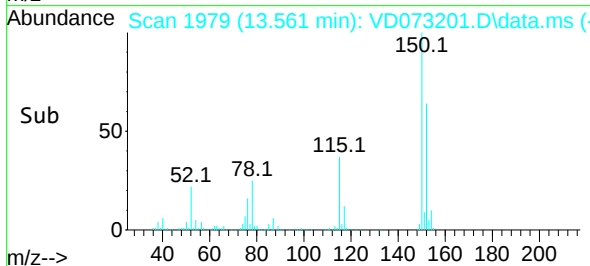
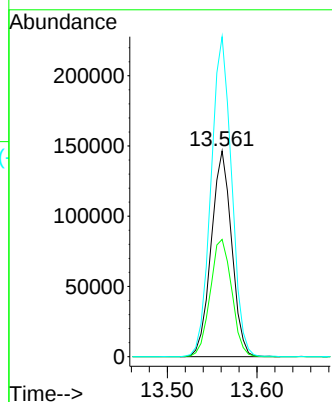
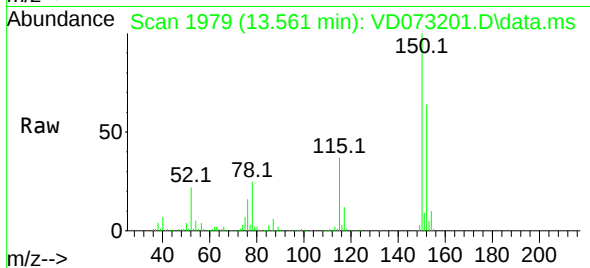
Tgt Ion:152 Resp: 231954

Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 156.6 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 49.127 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073201.D

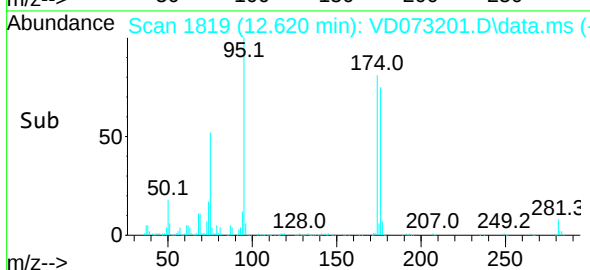
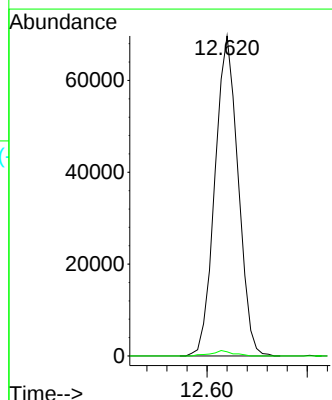
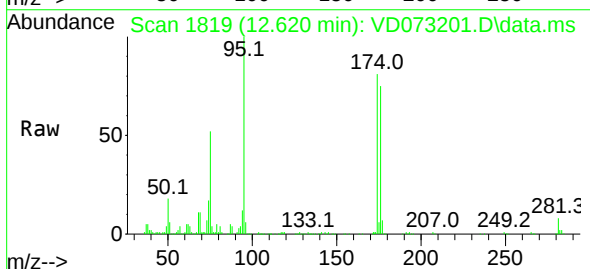
Acq: 20 May 2022 23:42

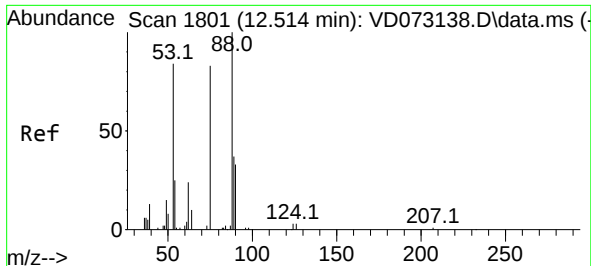
Tgt Ion: 75 Resp: 111806

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

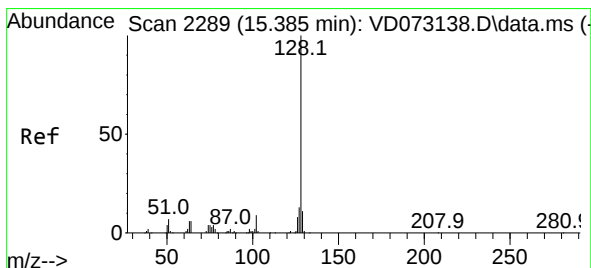
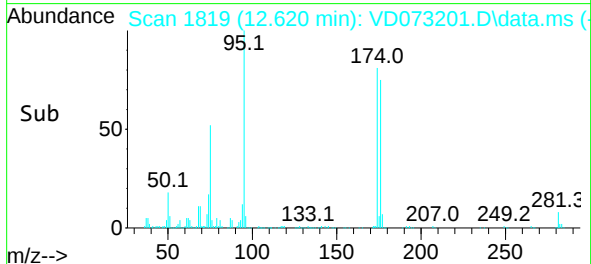
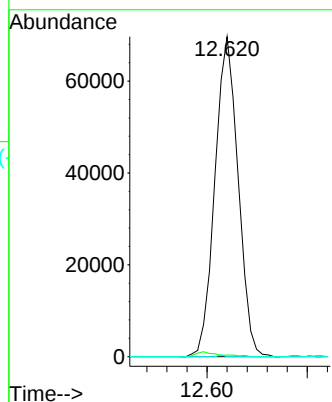
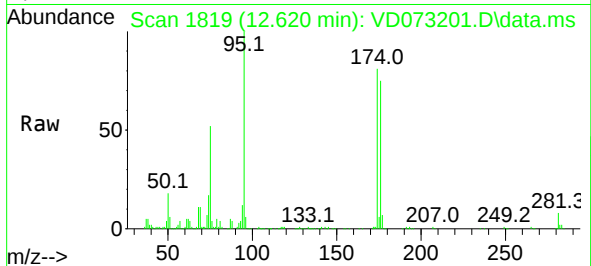




#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.938 ug/l
 RT: 12.620 min Scan# 111
 Delta R.T. 0.106 min
 Lab File: VD073201.D
 Acq: 20 May 2022 23:42

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-1218-01

Tgt Ion: 75 Resp: 111806
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.1 33.9 50.9#



#95
 Naphthalene
 Concen: 3.549 ug/l
 RT: 15.461 min Scan# 2302
 Delta R.T. 0.076 min
 Lab File: VD073201.D
 Acq: 20 May 2022 23:42

Tgt Ion: 128 Resp: 63
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.4 12.6#

