

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073159.D
 Acq On : 20 May 2022 01:05
 Operator : VA/SY
 Sample : N2842-07
 Misc : 5.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P016-SS003-0006-01

Quant Time: May 20 01:52:37 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)

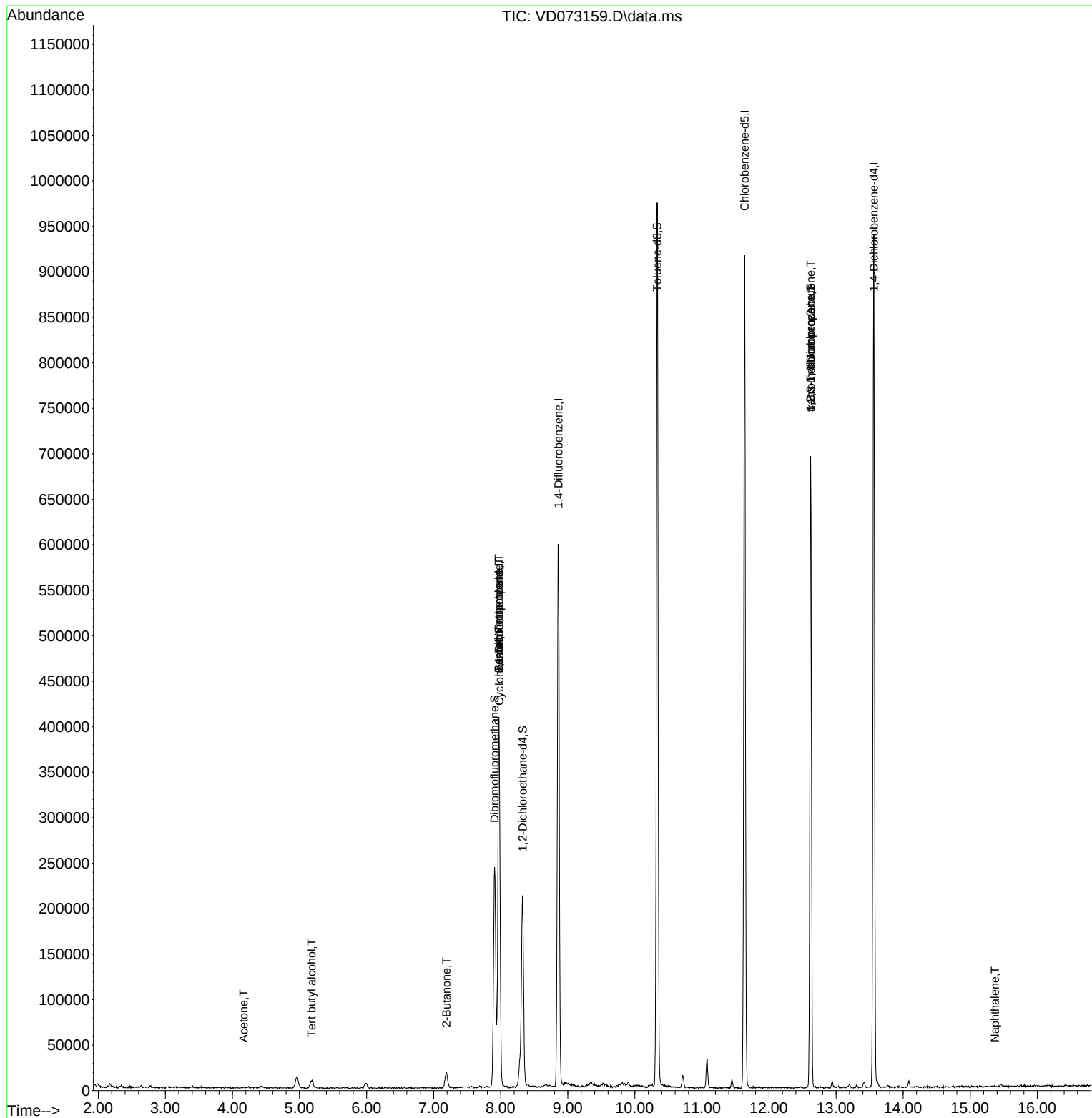
Internal Standards						
1) Pentafluorobenzene	7.973	168	288322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	518336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	530350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	237939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	161986	50.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.680%	
35) Dibromofluoromethane	7.909	113	176708	51.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.320%	
50) Toluene-d8	10.332	98	643418	51.032	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	12.620	95	226975	51.297	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	1173	Below Cal	#	72
11) Tert butyl alcohol	5.179	59	7890	15.960	ug/l #	74
16) Acetone	4.168	43	1083	1.962	ug/l #	47
20) Methylene Chloride	4.962	84	9734	Below Cal	#	84
25) 2-Butanone	7.191	43	889	1.101	ug/l #	52
31) Cyclohexane	7.979	56	7016	1.260	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25435	4.944	ug/l #	52
38) Carbon Tetrachloride	7.973	117	31707	6.081	ug/l #	19
76) 1,2,3-Trichloropropane	12.620	75	113965	48.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	113965	117.192	ug/l #	7
95) Naphthalene	15.367	128	131	3.557	ug/l #	70

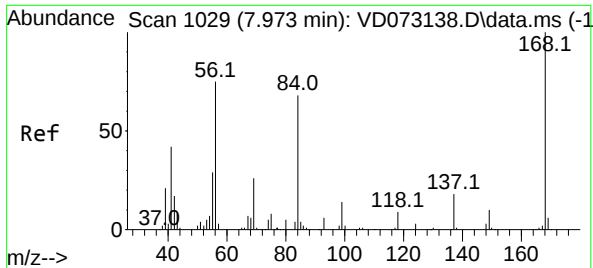
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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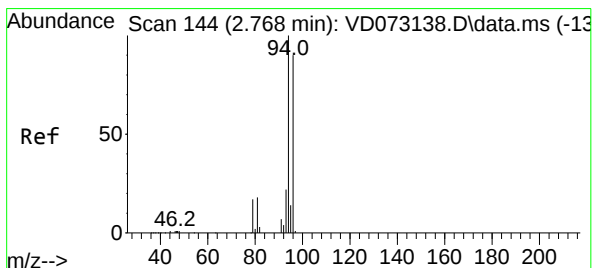
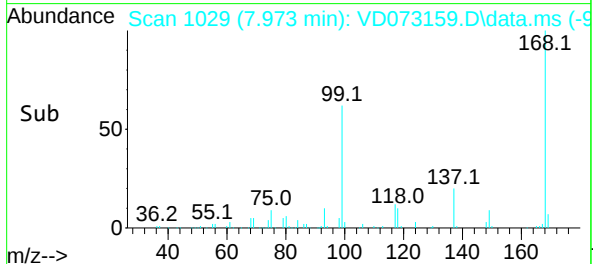
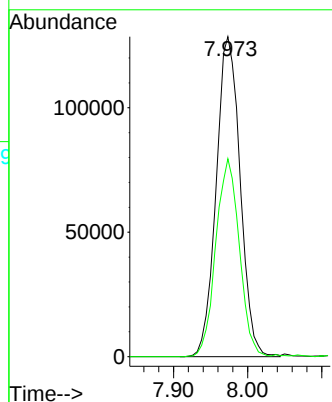
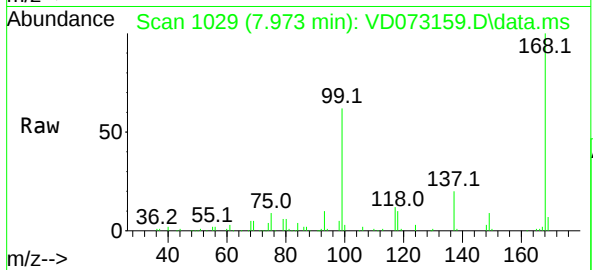




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

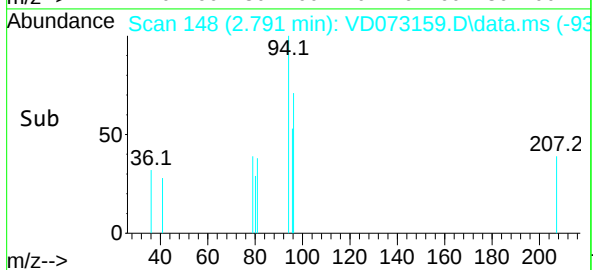
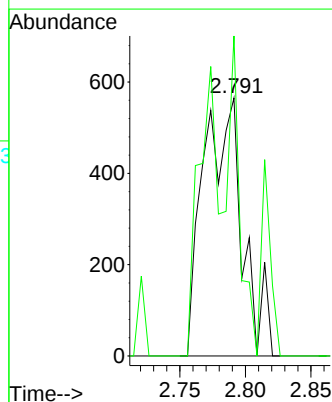
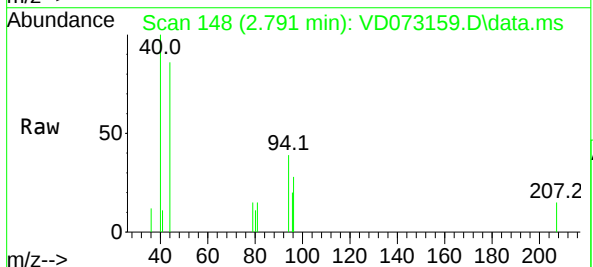
Instrument :
MSVOA_D
ClientSampleId :
P016-SS003-0006-01

Tgt Ion:168 Resp: 288322
Ion Ratio Lower Upper
168 100
99 61.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

Tgt Ion: 94 Resp: 1173
Ion Ratio Lower Upper
94 100
96 124.1 77.6 116.4#

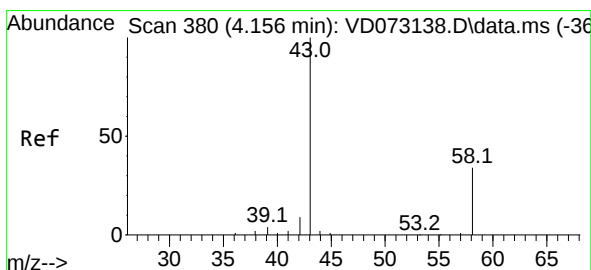
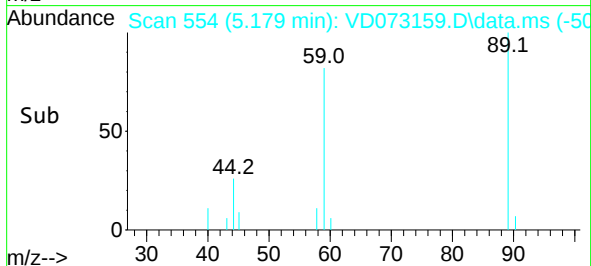
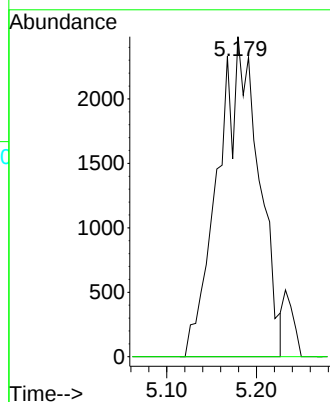
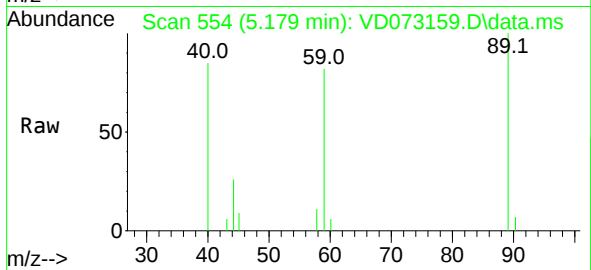




#11
Tert butyl alcohol
Concen: 15.960 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

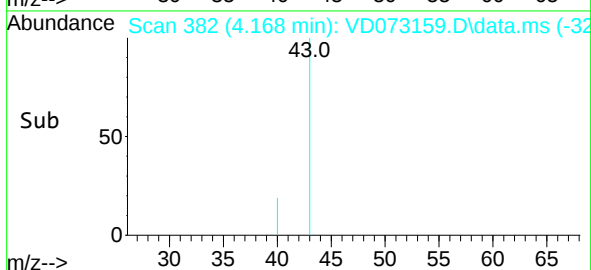
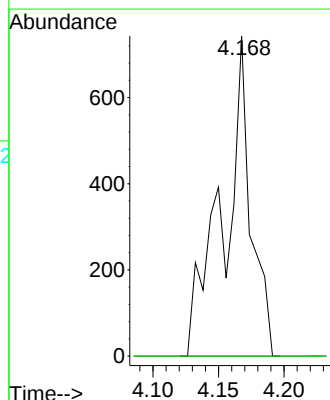
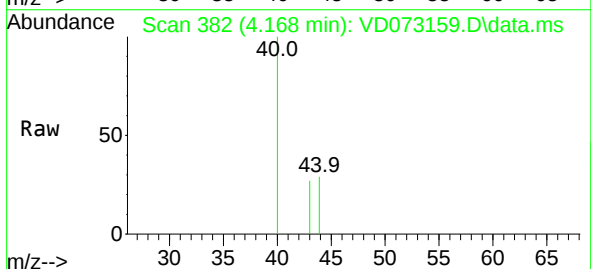
Instrument :
MSVOA_D
ClientSampleId :
P016-SS003-0006-01

Tgt Ion: 59 Resp: 7890
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.962 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD073159.D

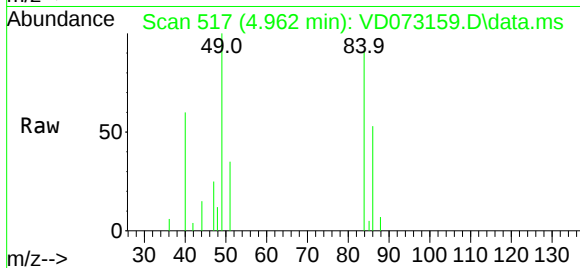
Acq: 20 May 2022 01:05

Instrument :

MSVOA_D

ClientSampleId :

P016-SS003-0006-01



Tgt Ion: 84 Resp: 9734

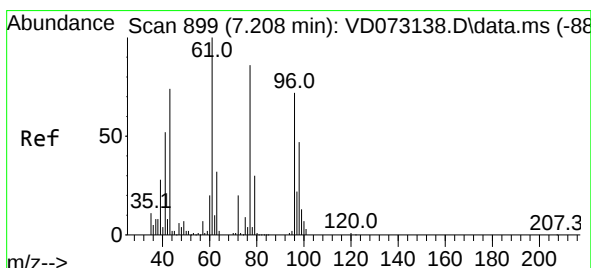
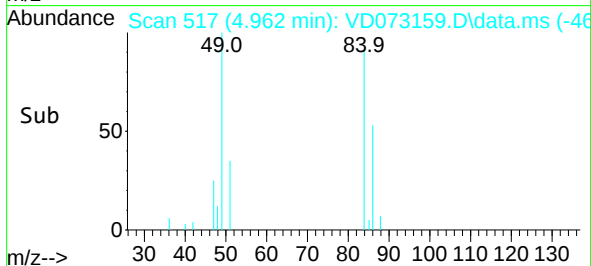
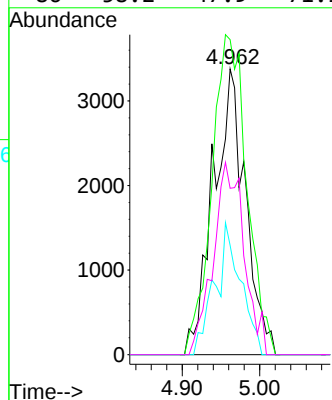
Ion Ratio Lower Upper

84 100

49 110.2 112.8 169.2#

51 38.2 32.6 48.8

86 58.2 47.9 71.9



#25

2-Butanone

Concen: 1.101 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.017 min

Lab File: VD073159.D

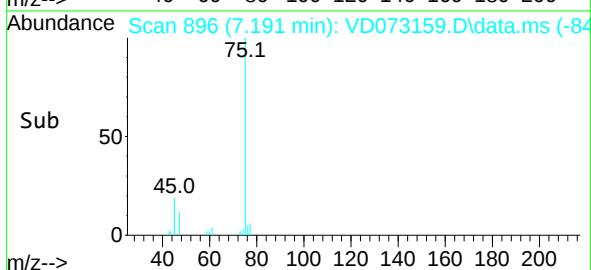
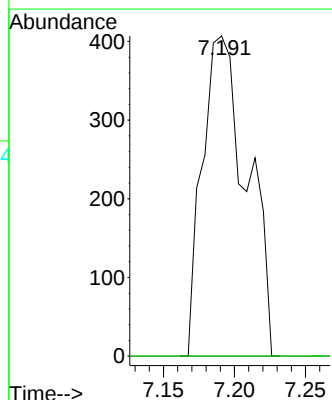
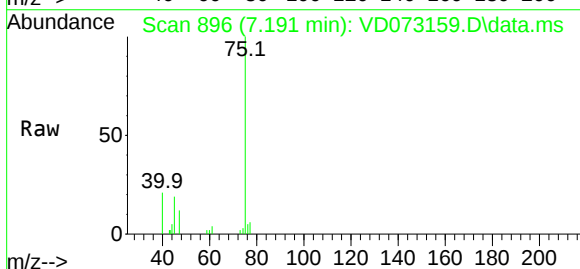
Acq: 20 May 2022 01:05

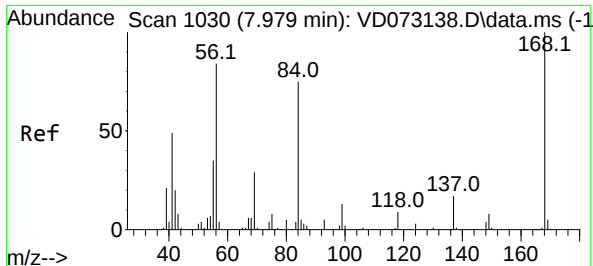
Tgt Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073159.D

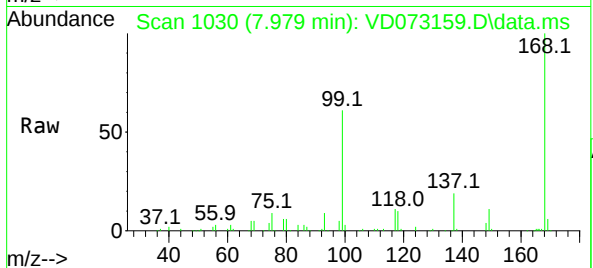
Acq: 20 May 2022 01:05

Instrument :

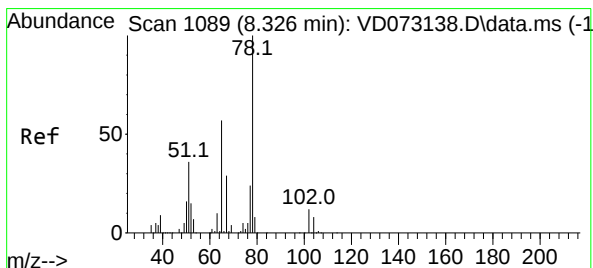
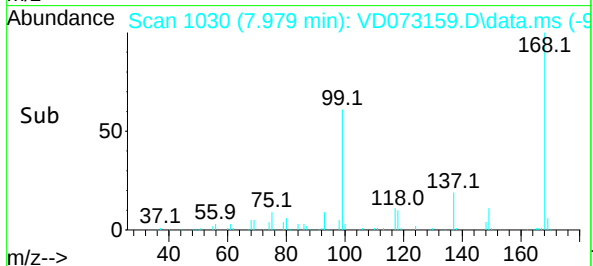
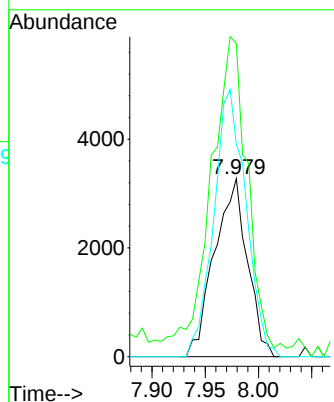
MSVOA_D

ClientSampleId :

P016-SS003-0006-01



Tgt Ion:	56	Resp:	7016
Ion Ratio	100		
Lower	25.4		
Upper	38.2#		
69	168.5		
84	119.5		
	63.0		
	94.4#		



#33

1,2-Dichloroethane-d4

Concen: 50.837 ug/l

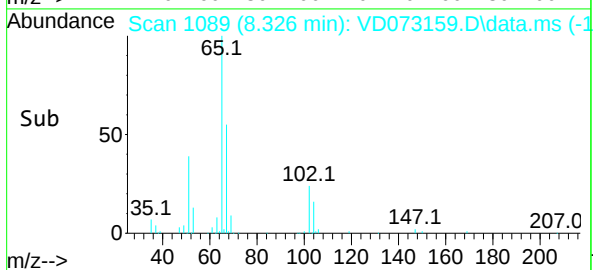
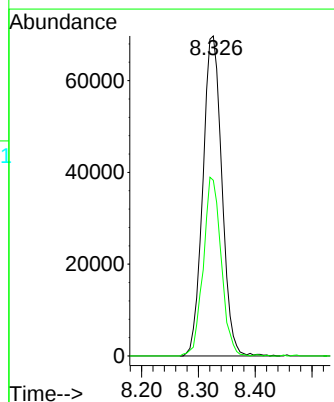
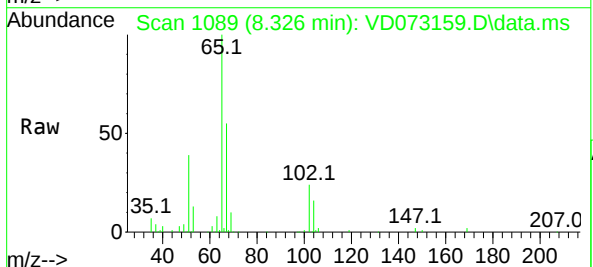
RT: 8.326 min Scan# 1089

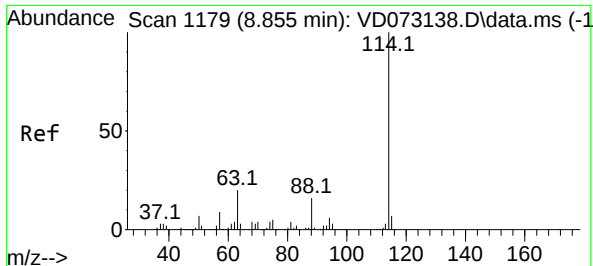
Delta R.T. 0.000 min

Lab File: VD073159.D

Acq: 20 May 2022 01:05

Tgt Ion:	65	Resp:	161986
Ion Ratio	100		
Lower	0.0		
Upper	101.4		
67	52.4		





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073159.D

Acq: 20 May 2022 01:05

Instrument :

MSVOA_D

ClientSampleId :

P016-SS003-0006-01

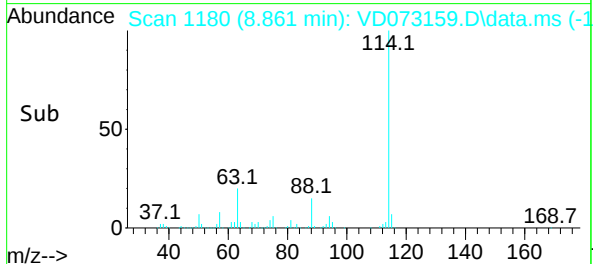
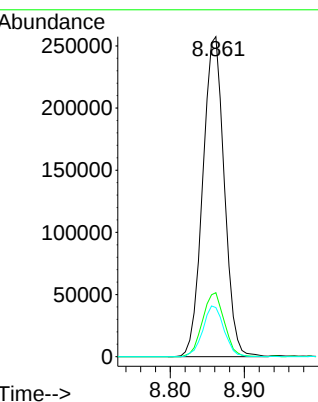
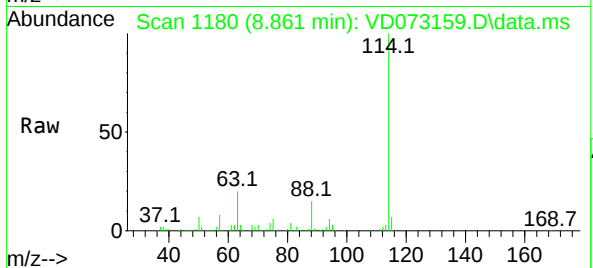
Tgt Ion:114 Resp: 518336

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.664 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073159.D

Acq: 20 May 2022 01:05

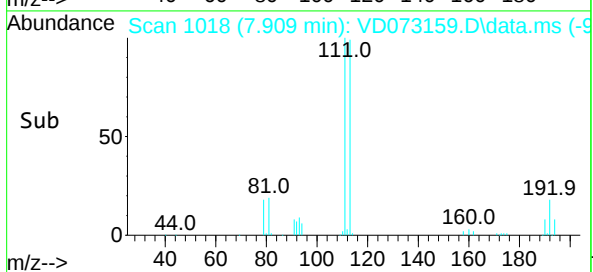
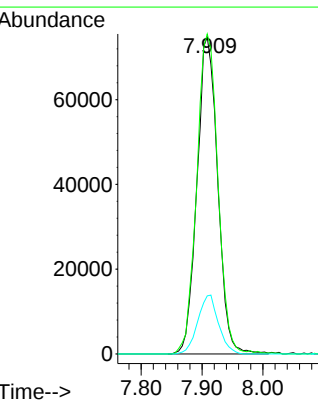
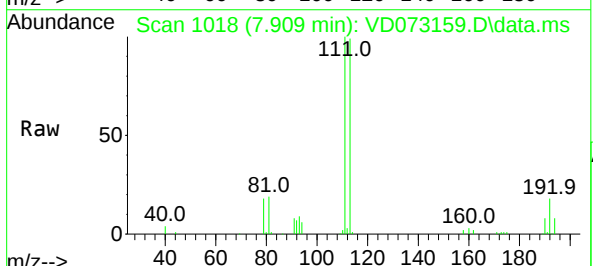
Tgt Ion:113 Resp: 176708

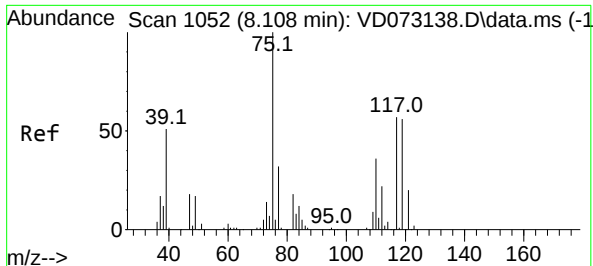
Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.944 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073159.D

Acq: 20 May 2022 01:05

Instrument :

MSVOA_D

ClientSampleId :

P016-SS003-0006-01

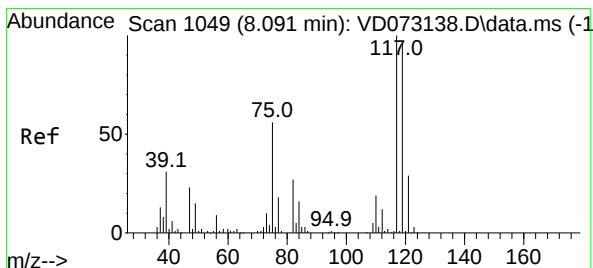
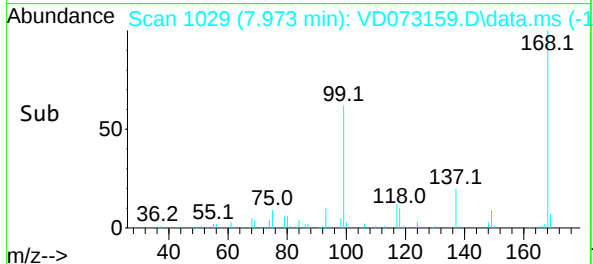
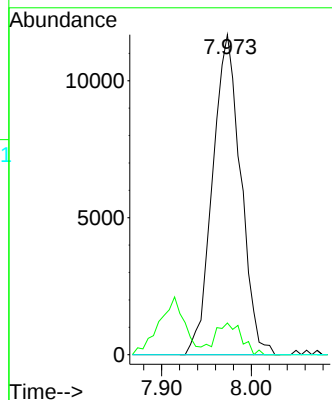
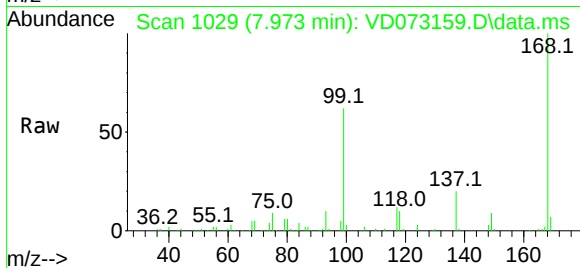
Tgt Ion: 75 Resp: 25435

Ion Ratio Lower Upper

75 100

110 9.4 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.081 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073159.D

Acq: 20 May 2022 01:05

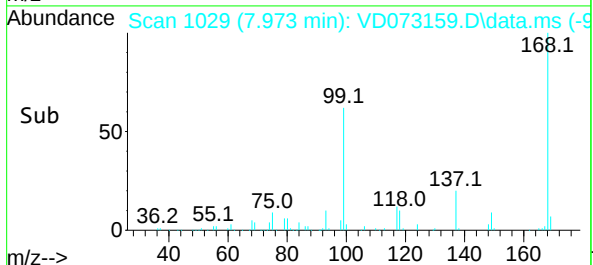
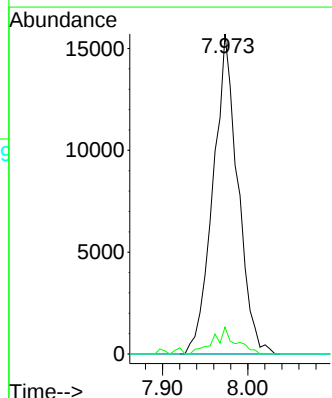
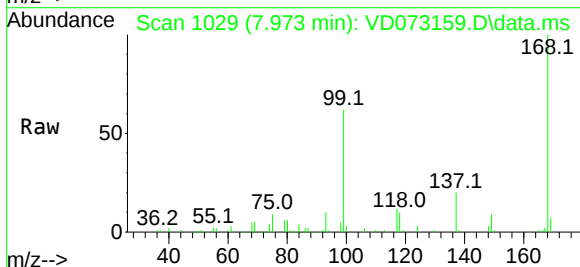
Tgt Ion: 117 Resp: 31707

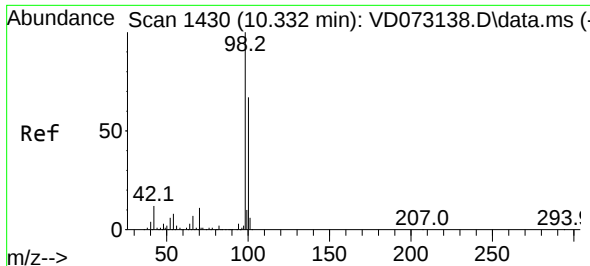
Ion Ratio Lower Upper

117 100

119 8.4 75.8 113.6#

121 0.0 24.5 36.7#

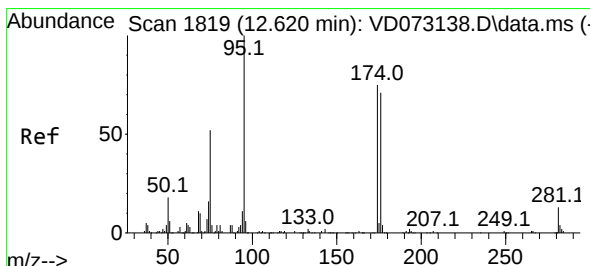
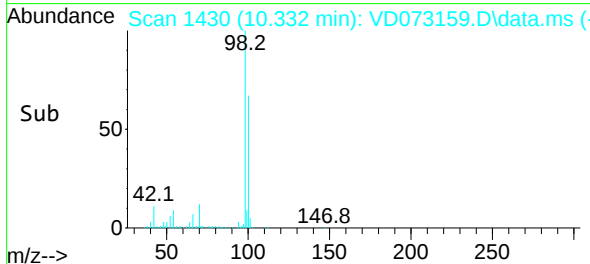
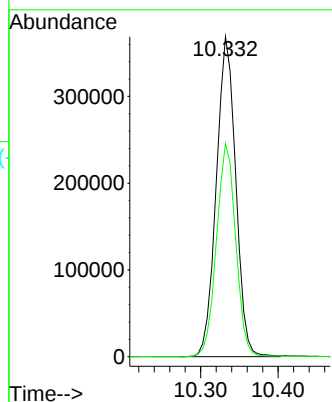
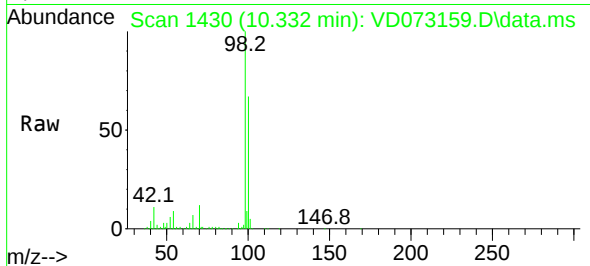




#50
Toluene-d8
Concen: 51.032 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

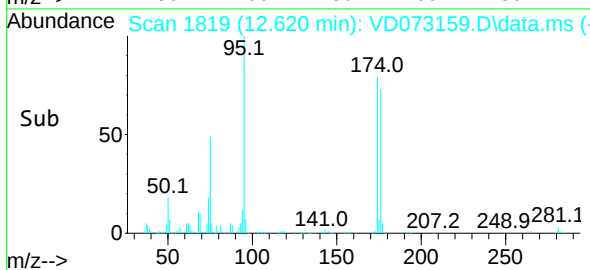
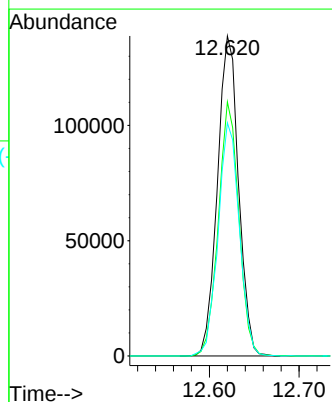
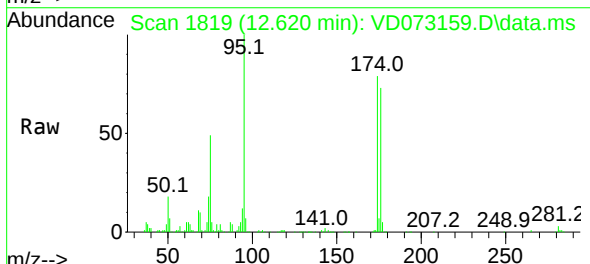
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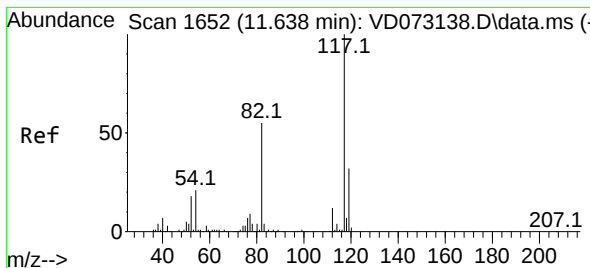
Tgt Ion: 98 Resp: 643418
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.297 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

Tgt Ion: 95 Resp: 226975
Ion Ratio Lower Upper
95 100
174 76.9 0.0 152.8
176 73.0 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: VD073159.D

Acq: 20 May 2022 01:05

Instrument :

MSVOA_D

ClientSampleId :

P016-SS003-0006-01

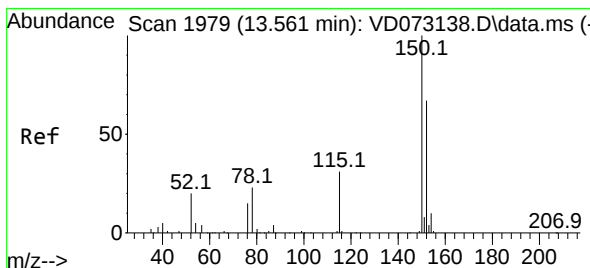
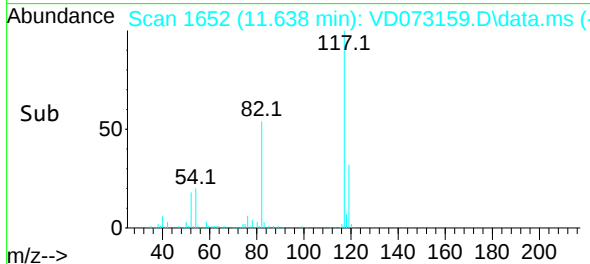
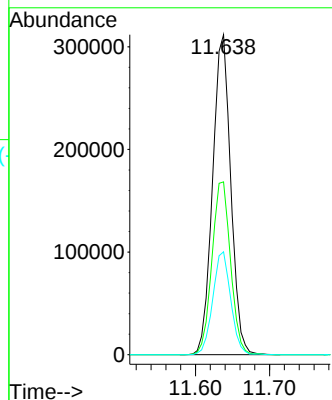
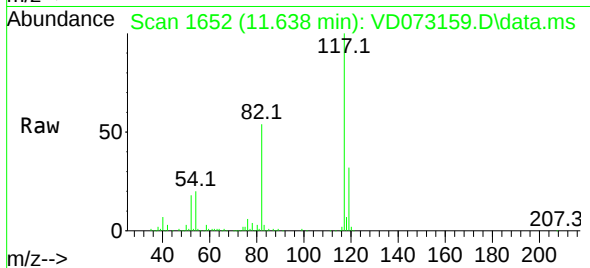
Tgt Ion:117 Resp: 530350

Ion Ratio Lower Upper

117 100

82 54.0 45.3 67.9

119 32.2 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: VD073159.D

Acq: 20 May 2022 01:05

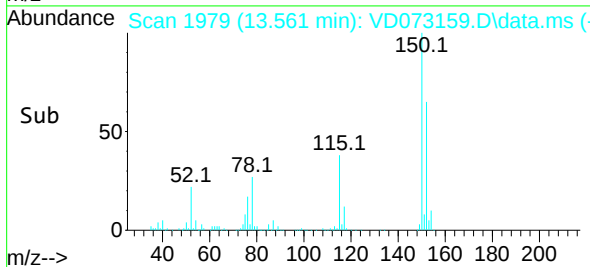
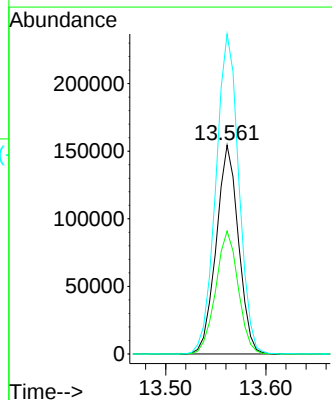
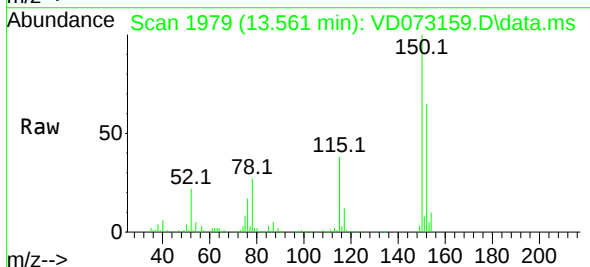
Tgt Ion:152 Resp: 237939

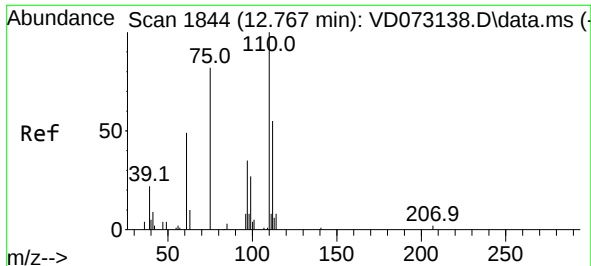
Ion Ratio Lower Upper

152 100

115 59.4 31.3 93.8

150 157.8 0.0 348.6

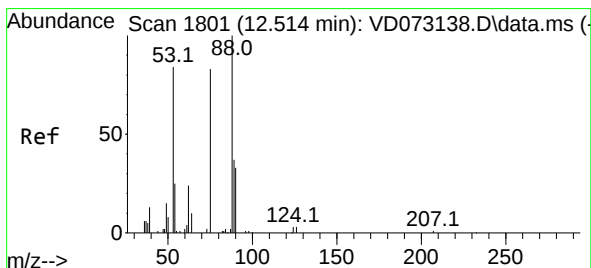
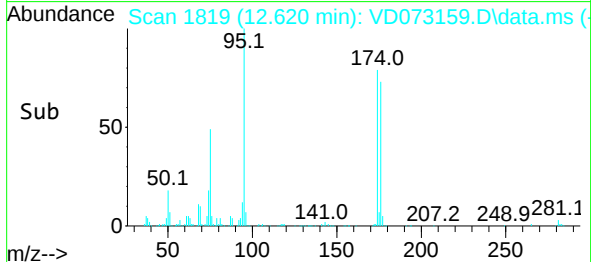
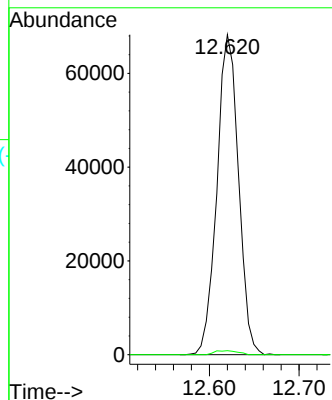
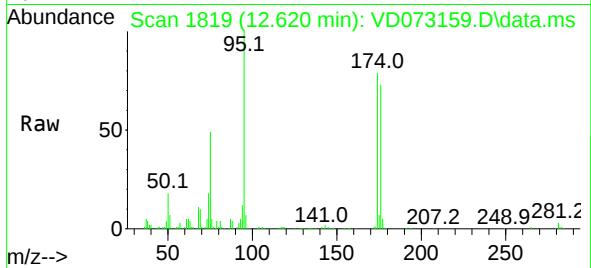




#76
1,2,3-Trichloropropane
Concen: 48.816 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

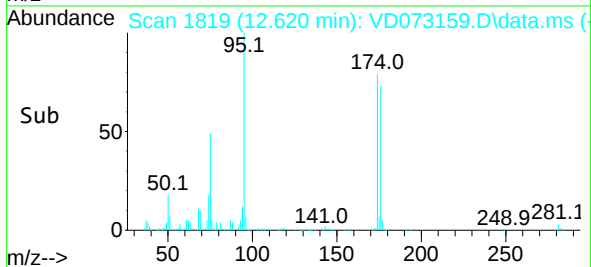
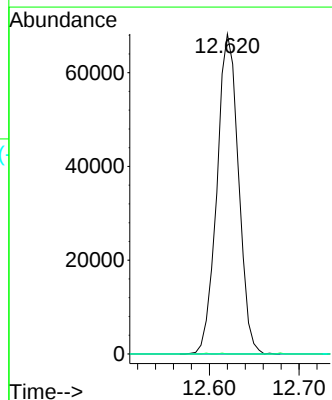
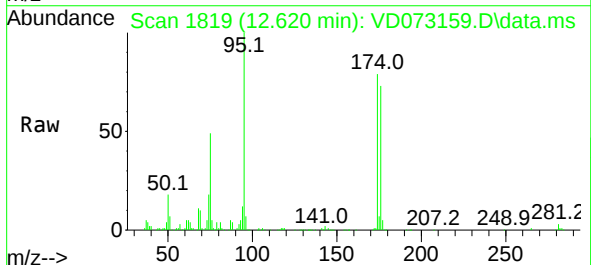
Instrument :
MSVOA_D
ClientSampleId :
P016-SS003-0006-01

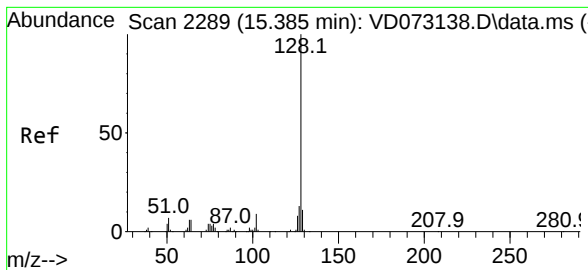
Tgt Ion: 75 Resp: 113965
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.192 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073159.D
Acq: 20 May 2022 01:05

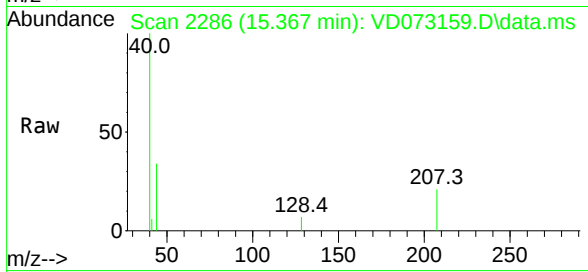
Tgt Ion: 75 Resp: 113965
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
 Naphthalene
 Concen: 3.557 ug/l
 RT: 15.367 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VD073159.D
 Acq: 20 May 2022 01:05

Instrument : MSVOA_D
 ClientSampleId : P016-SS003-0006-01



Tgt Ion:	128	Resp:	131
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

