

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073370.D
 Acq On : 25 May 2022 19:46
 Operator : VA/SY
 Sample : N2886-14
 Misc : 4.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS005-0006-01

Quant Time: May 26 02:26:41 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)

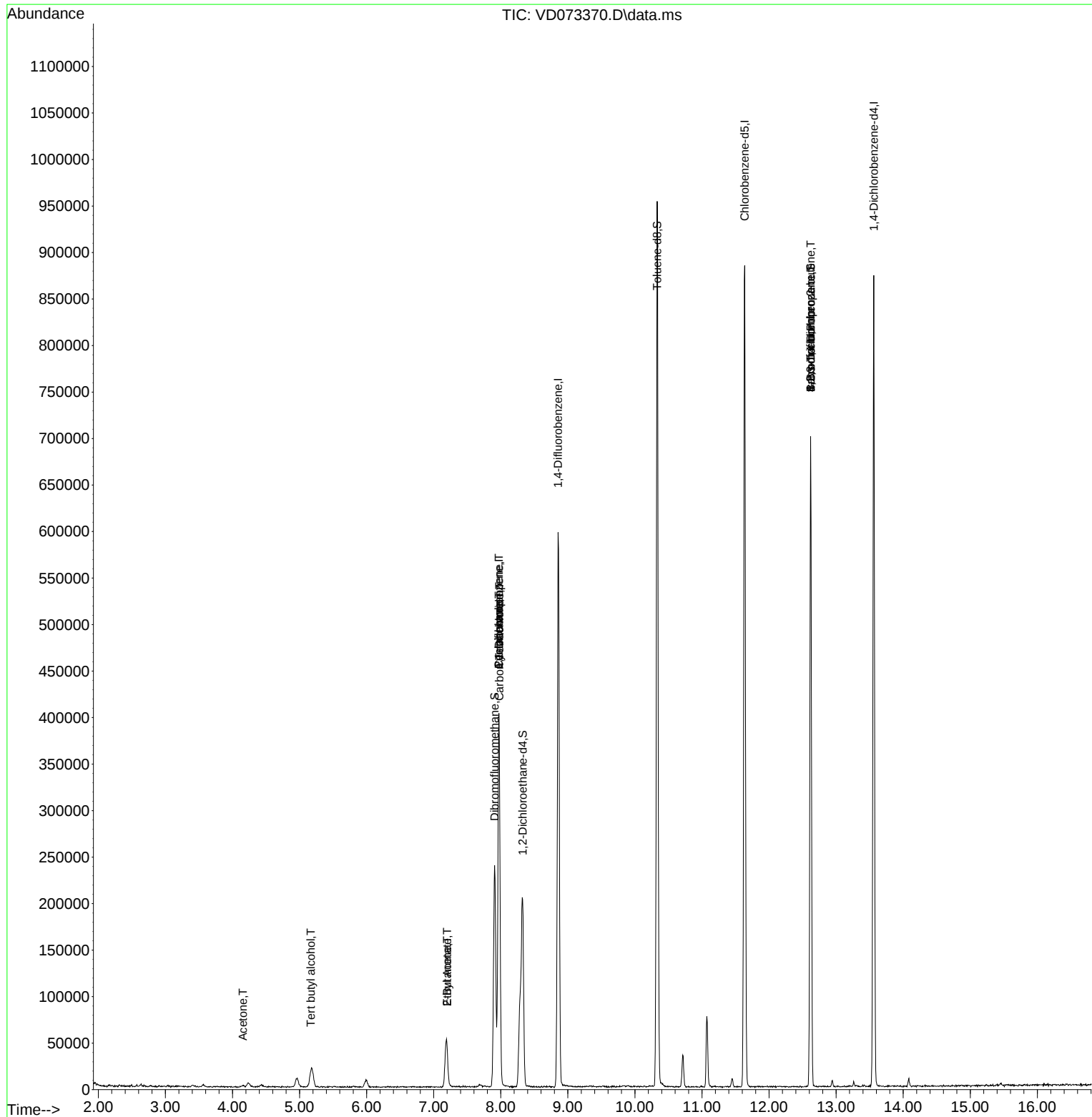
Internal Standards						
1) Pentafluorobenzene	7.973	168	287954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	512571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	526421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	229776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	155945	49.004	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.000%		
35) Dibromofluoromethane	7.908	113	173593	51.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.640%		
50) Toluene-d8	10.332	98	622908	49.961	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.920%		
62) 4-Bromofluorobenzene	12.620	95	220449	50.382	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.760%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	783	Below Cal	#	38
11) Tert butyl alcohol	5.167	59	18495	37.459	ug/l #	75
16) Acetone	4.156	43	3212	5.827	ug/l	93
20) Methylene Chloride	4.967	84	7624	Below Cal		88
25) 2-Butanone	7.202	43	2823	3.501	ug/l #	52
31) Cyclohexane	7.973	56	6546	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	23565	4.632	ug/l #	52
37) Ethyl Acetate	7.202	43	2823	1.405	ug/l #	1
38) Carbon Tetrachloride	7.979	117	29245	5.672	ug/l #	16
71) Bromoform	12.620	173	2323	1.127	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	112772	50.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	112772	120.085	ug/l #	7

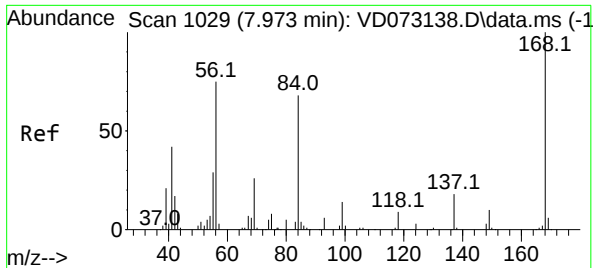
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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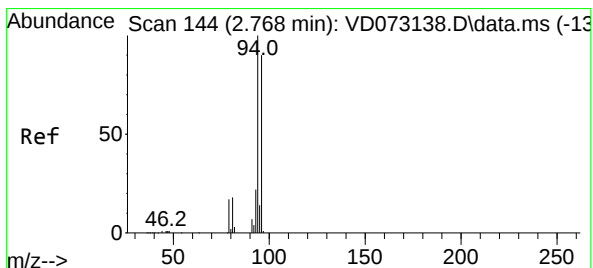
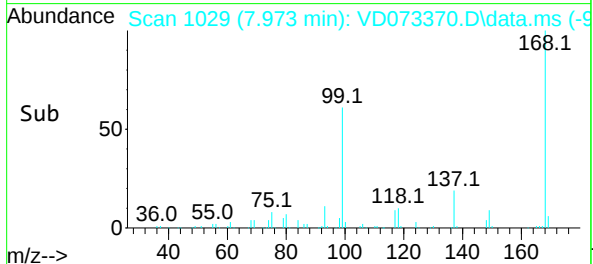
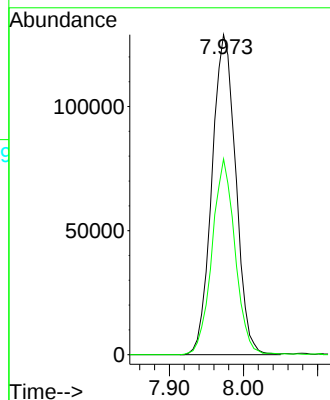
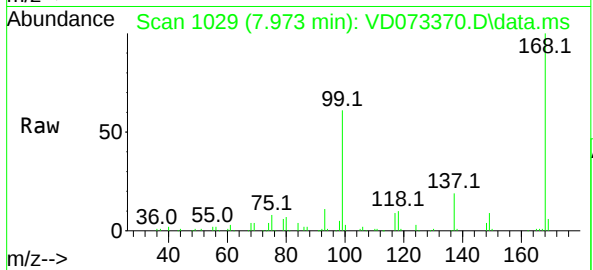




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

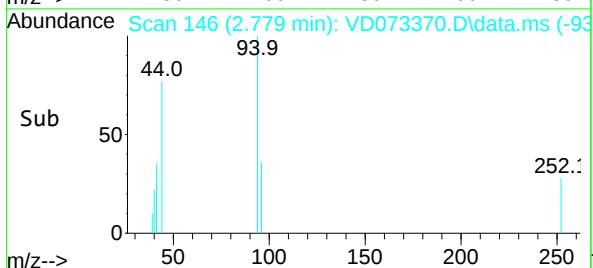
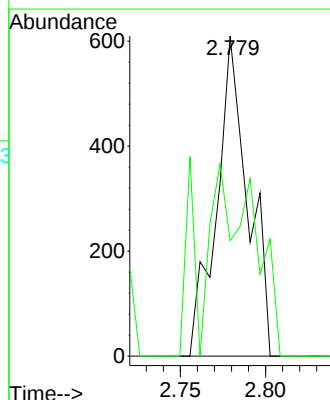
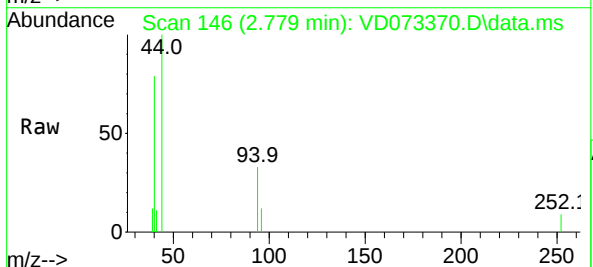
Instrument :
MSVOA_D
ClientSampleId :
P021-SS005-0006-01

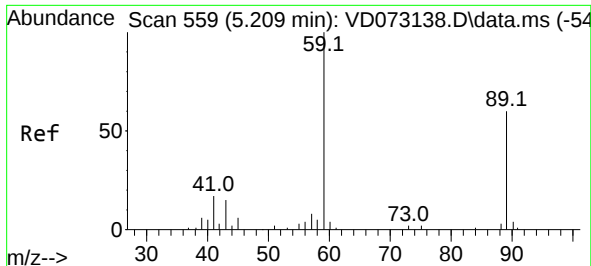
Tgt Ion:168 Resp: 287954
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

Tgt Ion: 94 Resp: 783
Ion Ratio Lower Upper
94 100
96 36.1 77.6 116.4#

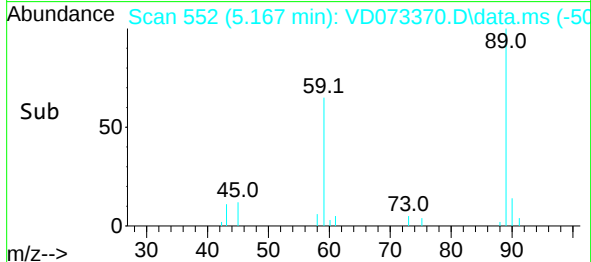
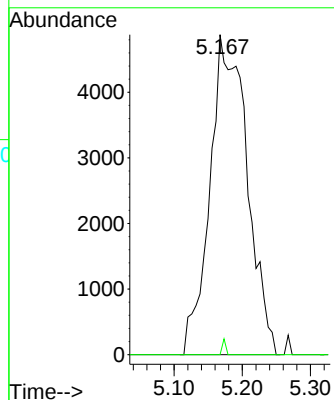
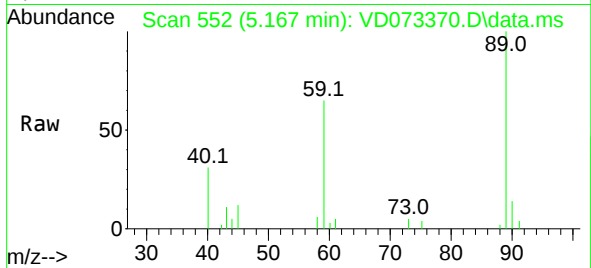




#11
Tert butyl alcohol
Concen: 37.459 ug/l
RT: 5.167 min Scan# 51
Delta R.T. -0.042 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

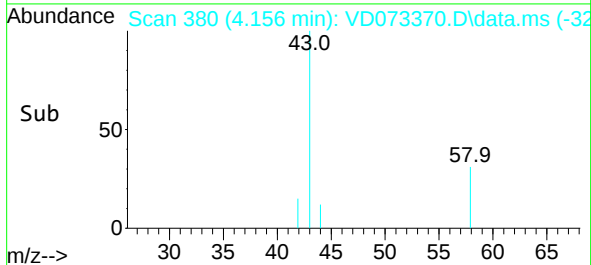
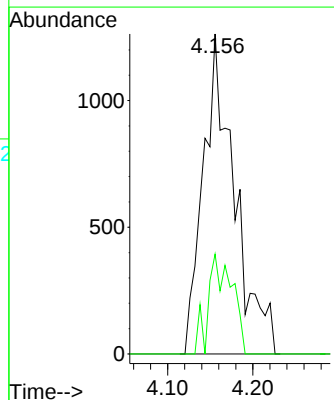
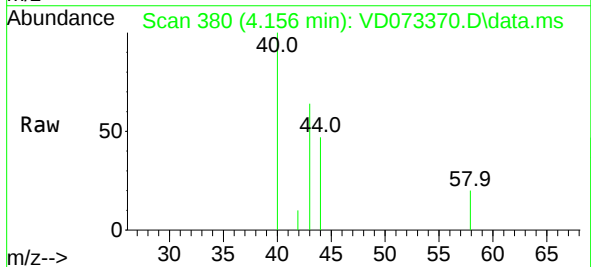
Instrument :
MSVOA_D
ClientSampleId :
P021-SS005-0006-01

Tgt Ion: 59 Resp: 18495
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.6#



#16
Acetone
Concen: 5.827 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

Tgt Ion: 43 Resp: 3212
Ion Ratio Lower Upper
43 100
58 31.2 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 517

Delta R.T. 0.005 min

Lab File: VD073370.D

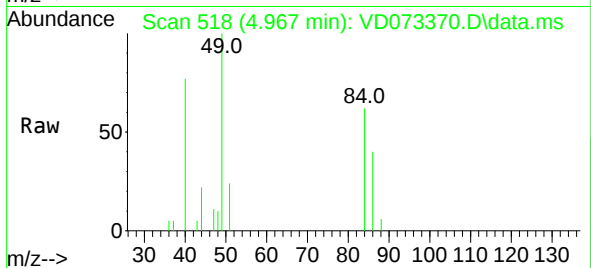
Acq: 25 May 2022 19:46

Instrument :

MSVOA_D

ClientSampleId :

P021-SS005-0006-01



Tgt Ion: 84 Resp: 7624

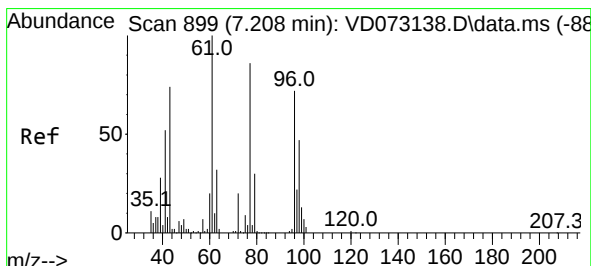
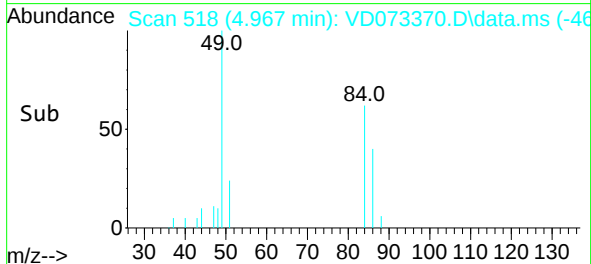
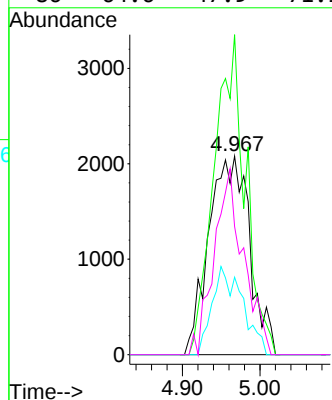
Ion Ratio Lower Upper

84 100

49 161.2 112.8 169.2

51 39.0 32.6 48.8

86 64.6 47.9 71.9



#25

2-Butanone

Concen: 3.501 ug/l

RT: 7.202 min Scan# 898

Delta R.T. -0.006 min

Lab File: VD073370.D

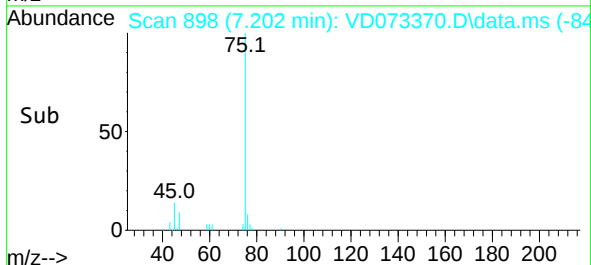
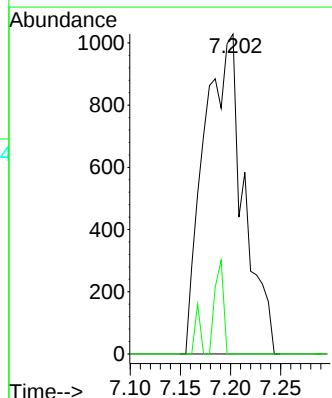
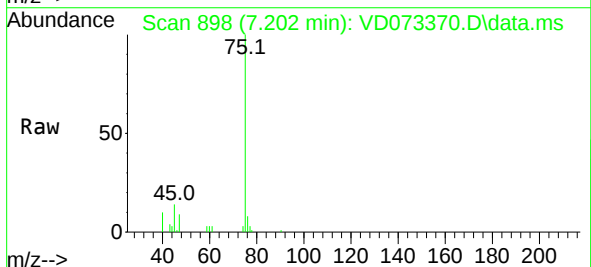
Acq: 25 May 2022 19:46

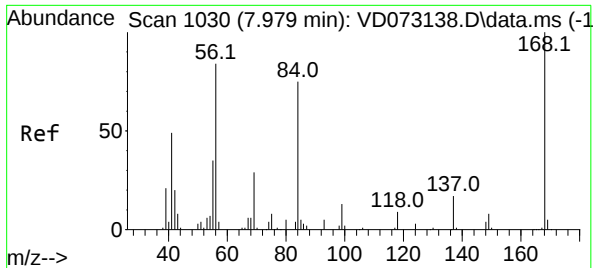
Tgt Ion: 43 Resp: 2823

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

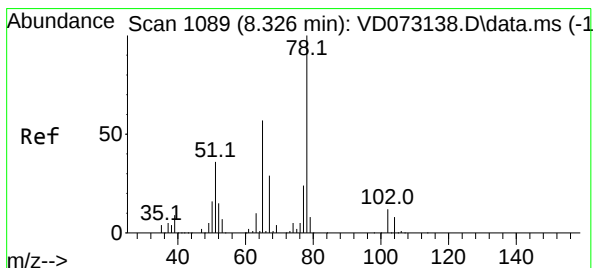
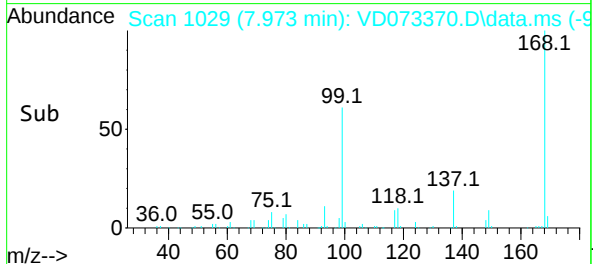
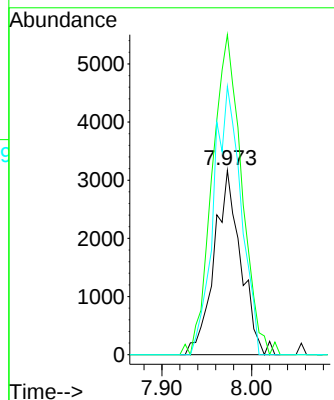
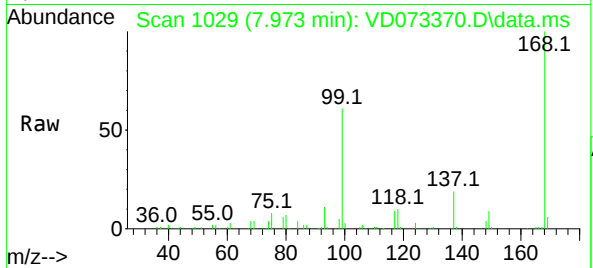




#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

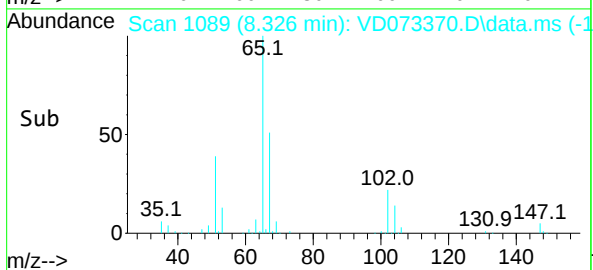
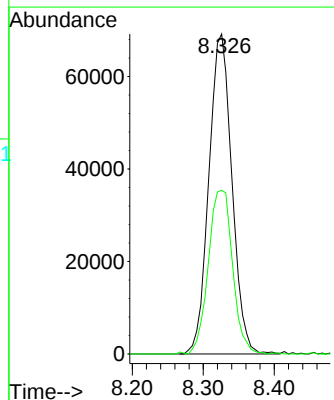
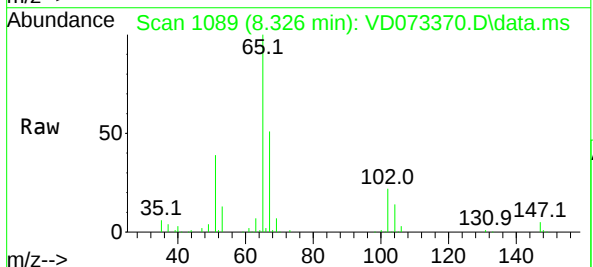
Instrument :
MSVOA_D
ClientSampleId :
P021-SS005-0006-01

Tgt Ion: 56 Resp: 6546
Ion Ratio Lower Upper
56 100
69 173.6 25.4 38.2#
84 145.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 49.004 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

Tgt Ion: 65 Resp: 155945
Ion Ratio Lower Upper
65 100
67 53.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073370.D

Acq: 25 May 2022 19:46

Instrument :

MSVOA_D

ClientSampleId :

P021-SS005-0006-01

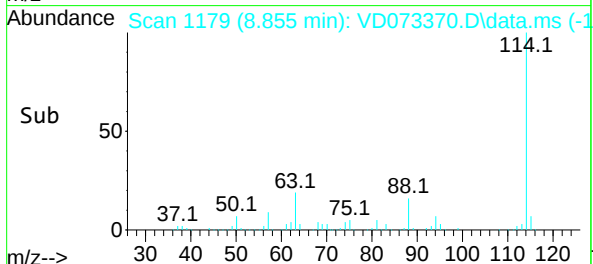
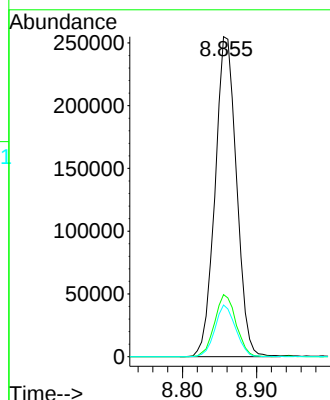
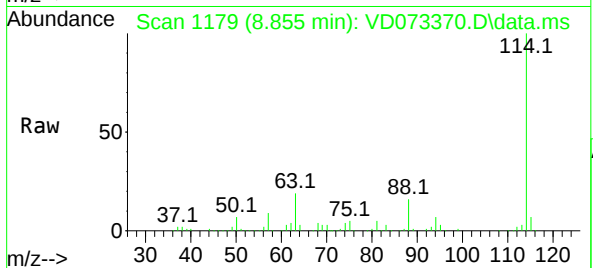
Tgt Ion:114 Resp: 512571

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.324 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073370.D

Acq: 25 May 2022 19:46

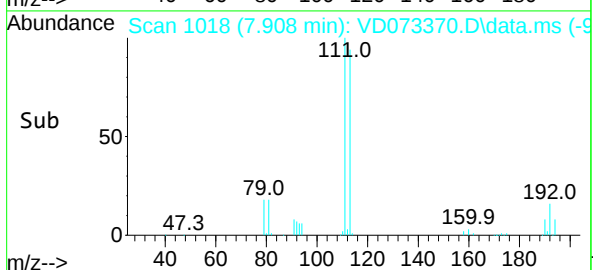
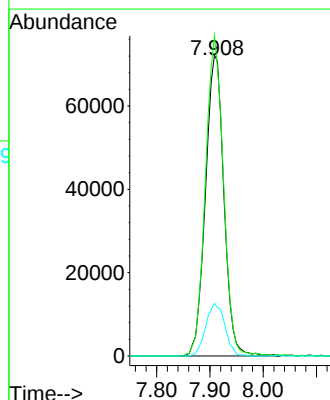
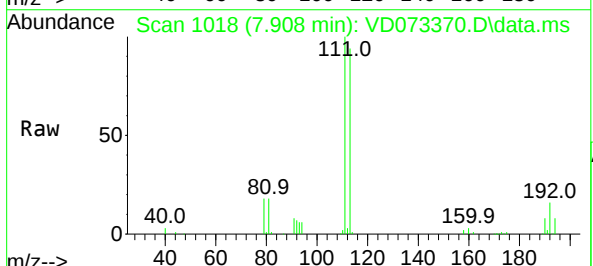
Tgt Ion:113 Resp: 173593

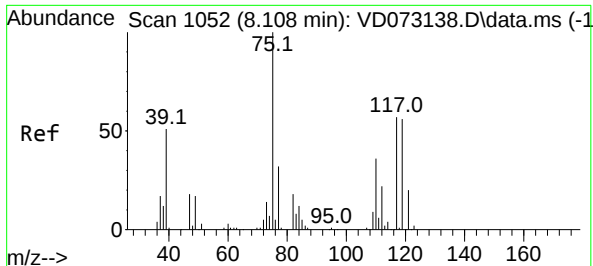
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073370.D

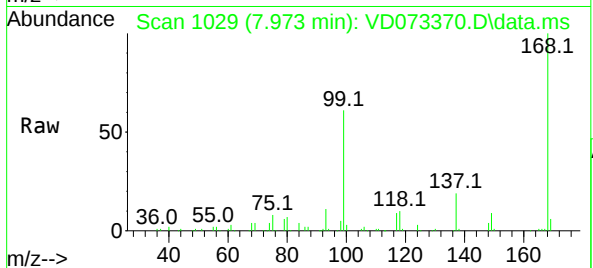
Acq: 25 May 2022 19:46

Instrument :

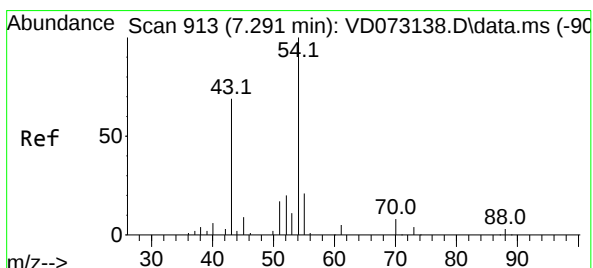
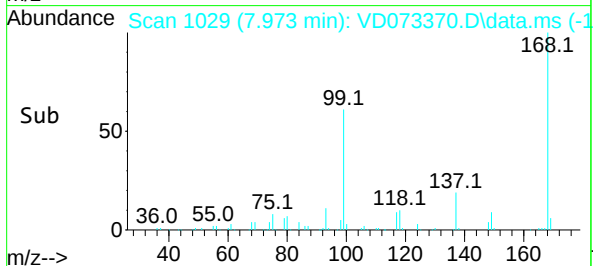
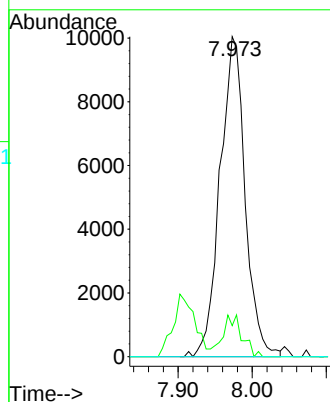
MSVOA_D

ClientSampleId :

P021-SS005-0006-01



Tgt Ion: 75	Resp: 23565
Ion Ratio	Lower Upper
75 100	
110 10.0	16.4 49.1#
77 0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 1.405 ug/l

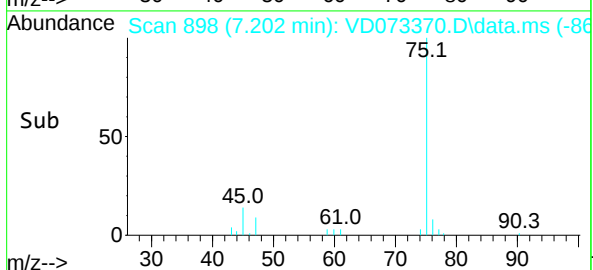
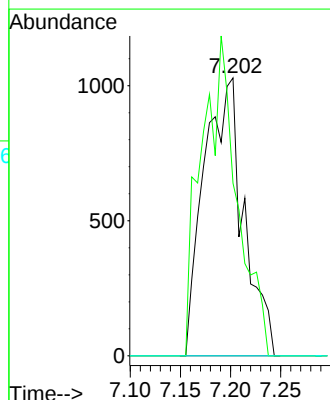
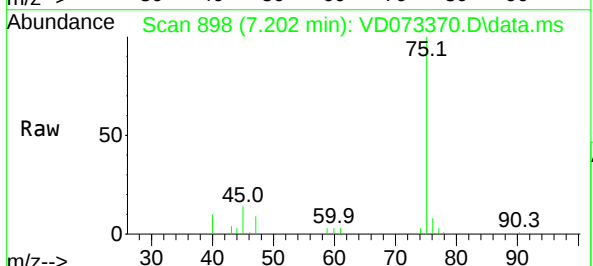
RT: 7.202 min Scan# 898

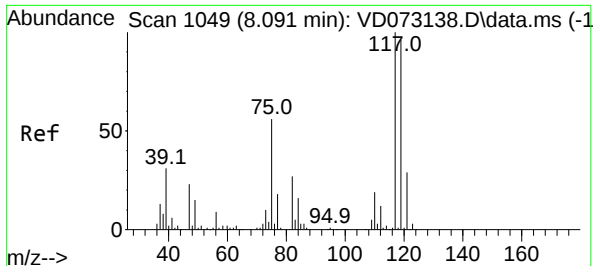
Delta R.T. -0.089 min

Lab File: VD073370.D

Acq: 25 May 2022 19:46

Tgt Ion: 43	Resp: 2823
Ion Ratio	Lower Upper
43 100	
61 104.0	9.8 14.8#
70 0.0	6.9 10.3#

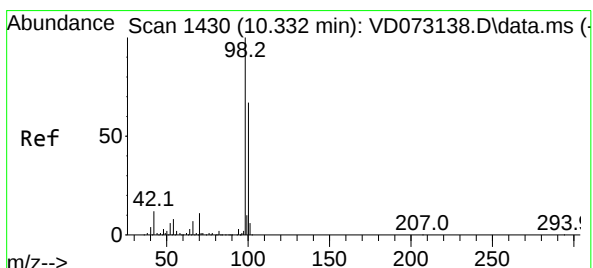
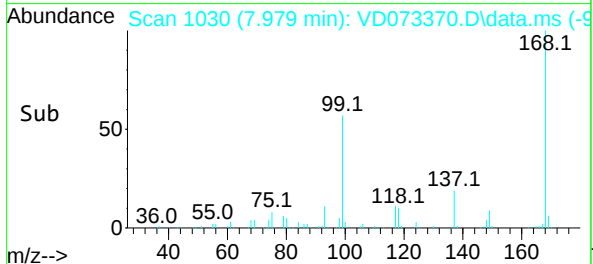
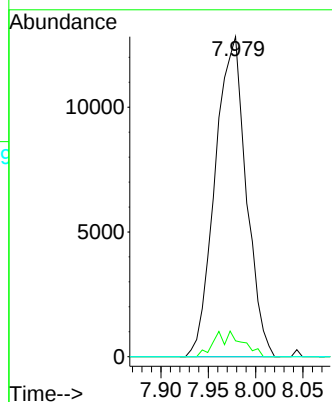
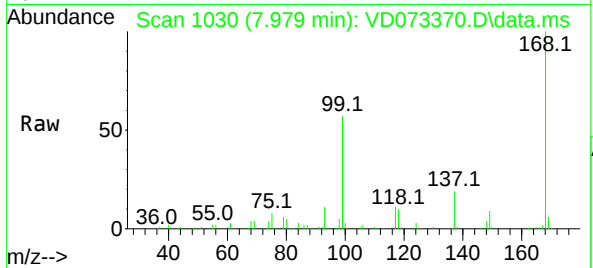




#38
Carbon Tetrachloride
Concen: 5.672 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

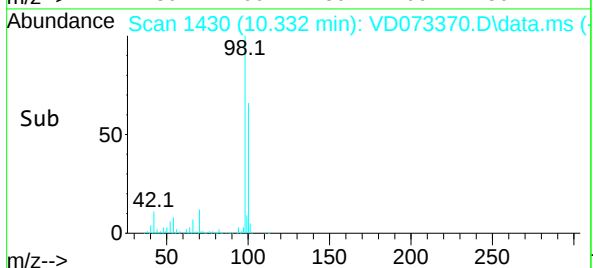
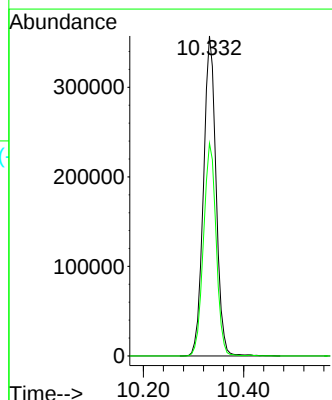
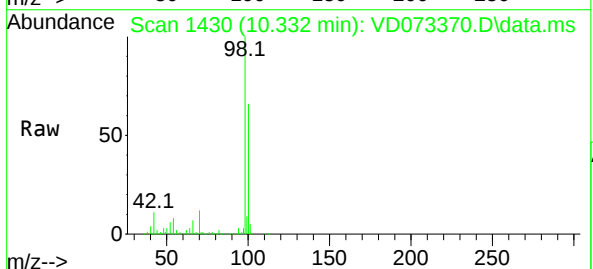
Instrument :
MSVOA_D
ClientSampleId :
P021-SS005-0006-01

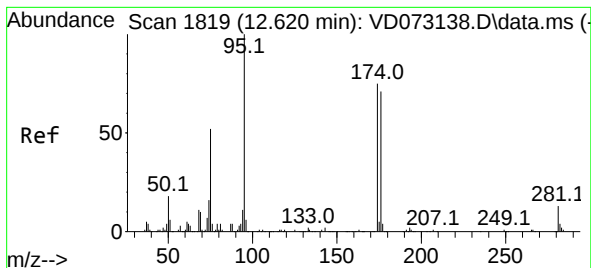
Tgt Ion:117 Resp: 29245
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.961 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

Tgt Ion: 98 Resp: 622908
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6

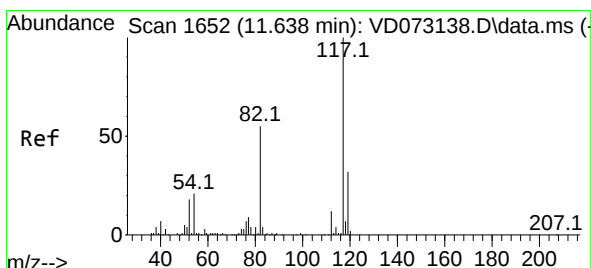
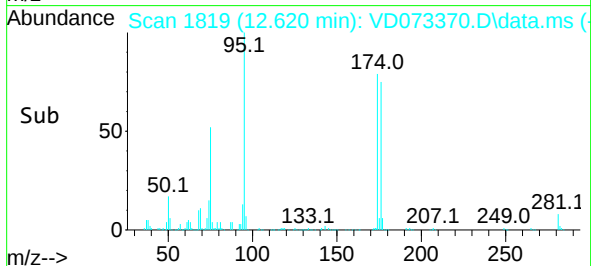
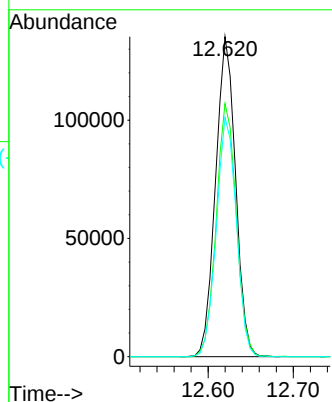
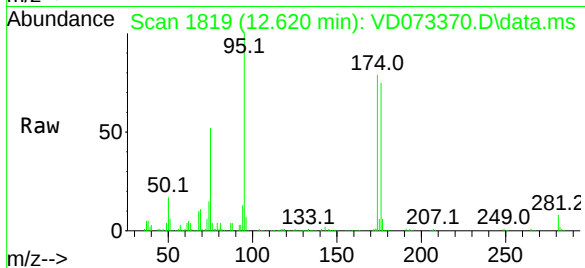




#62
4-Bromofluorobenzene
Concen: 50.382 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

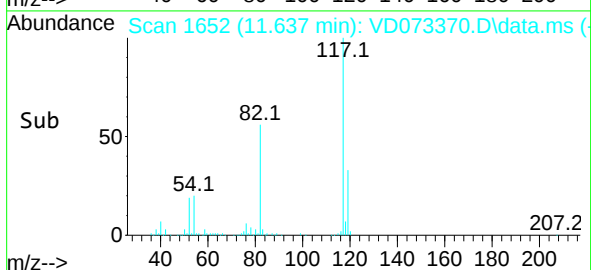
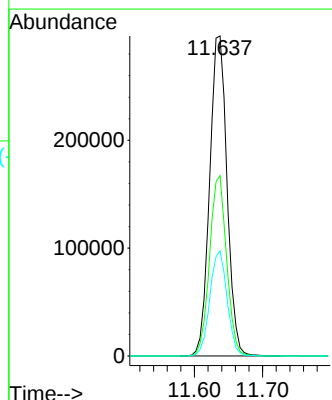
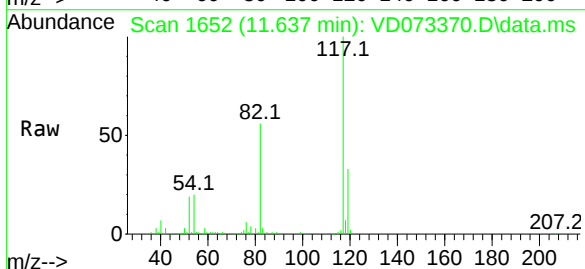
Instrument :
MSVOA_D
ClientSampleId :
P021-SS005-0006-01

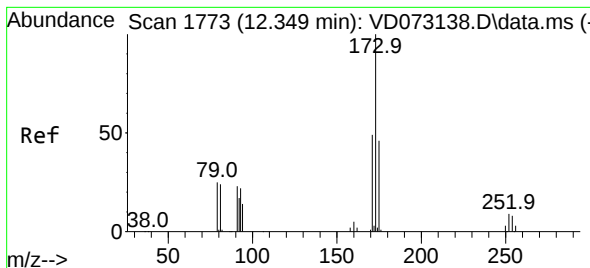
Tgt Ion: 95 Resp: 220449
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 74.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

Tgt Ion: 117 Resp: 526421
Ion Ratio Lower Upper
117 100
82 56.4 45.3 67.9
119 32.9 26.6 40.0





#71

Bromoform

Concen: 1.127 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073370.D

Acq: 25 May 2022 19:46

Instrument :

MSVOA_D

ClientSampleId :

P021-SS005-0006-01

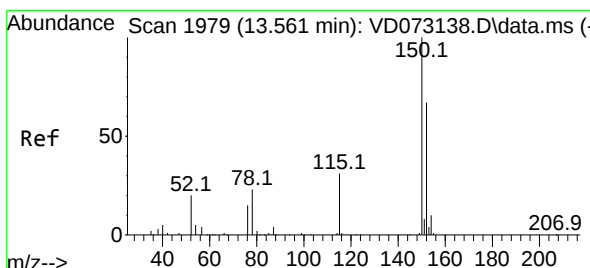
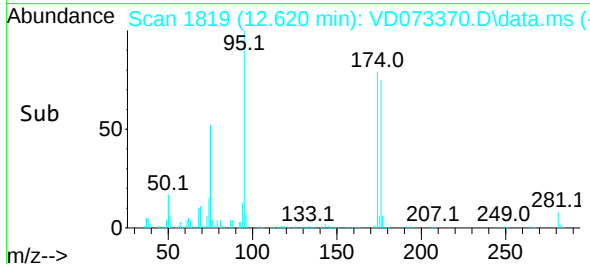
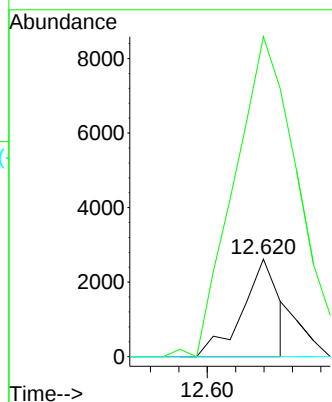
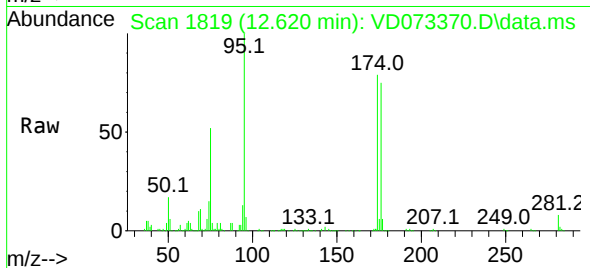
Tgt Ion:173 Resp: 2323

Ion Ratio Lower Upper

173 100

175 437.9 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: VD073370.D

Acq: 25 May 2022 19:46

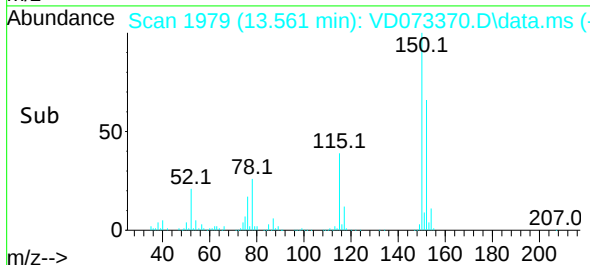
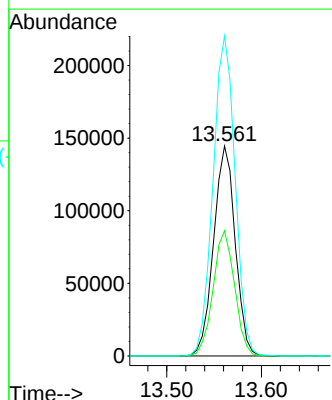
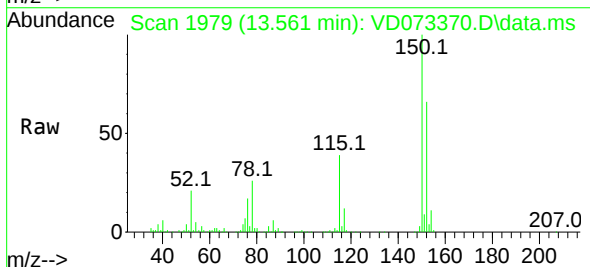
Tgt Ion:152 Resp: 229776

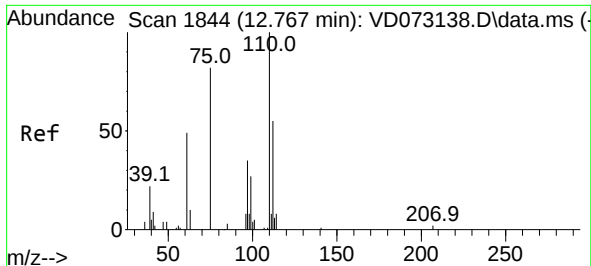
Ion Ratio Lower Upper

152 100

115 59.2 31.3 93.8

150 155.7 0.0 348.6

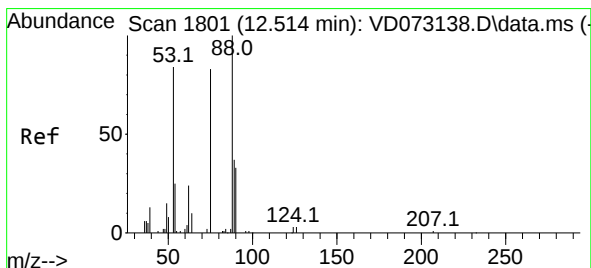
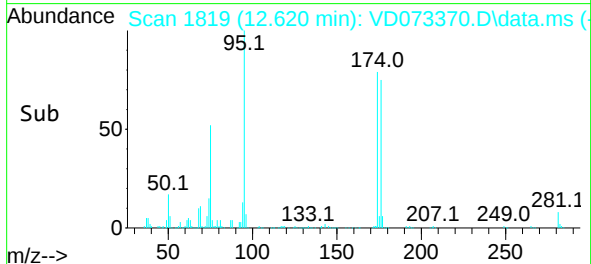
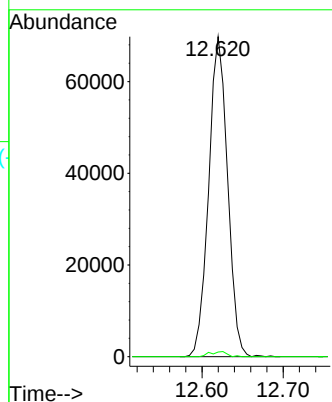
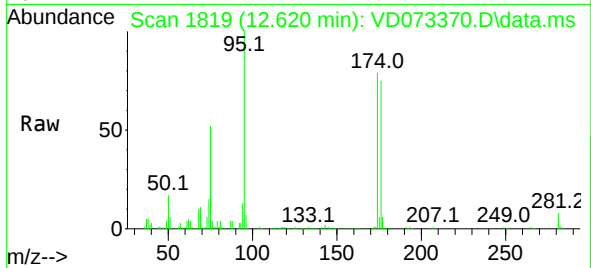




#76
1,2,3-Trichloropropane
Concen: 50.021 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

Instrument :
MSVOA_D
ClientSampleId :
P021-SS005-0006-01

Tgt Ion: 75 Resp: 112772
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.085 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073370.D
Acq: 25 May 2022 19:46

Tgt Ion: 75 Resp: 112772
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

