

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073235.D
 Acq On : 21 May 2022 17:53
 Operator : VA/SY
 Sample : N2870-06
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P034-SS001-0006-01

Quant Time: May 22 01:33:06 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)

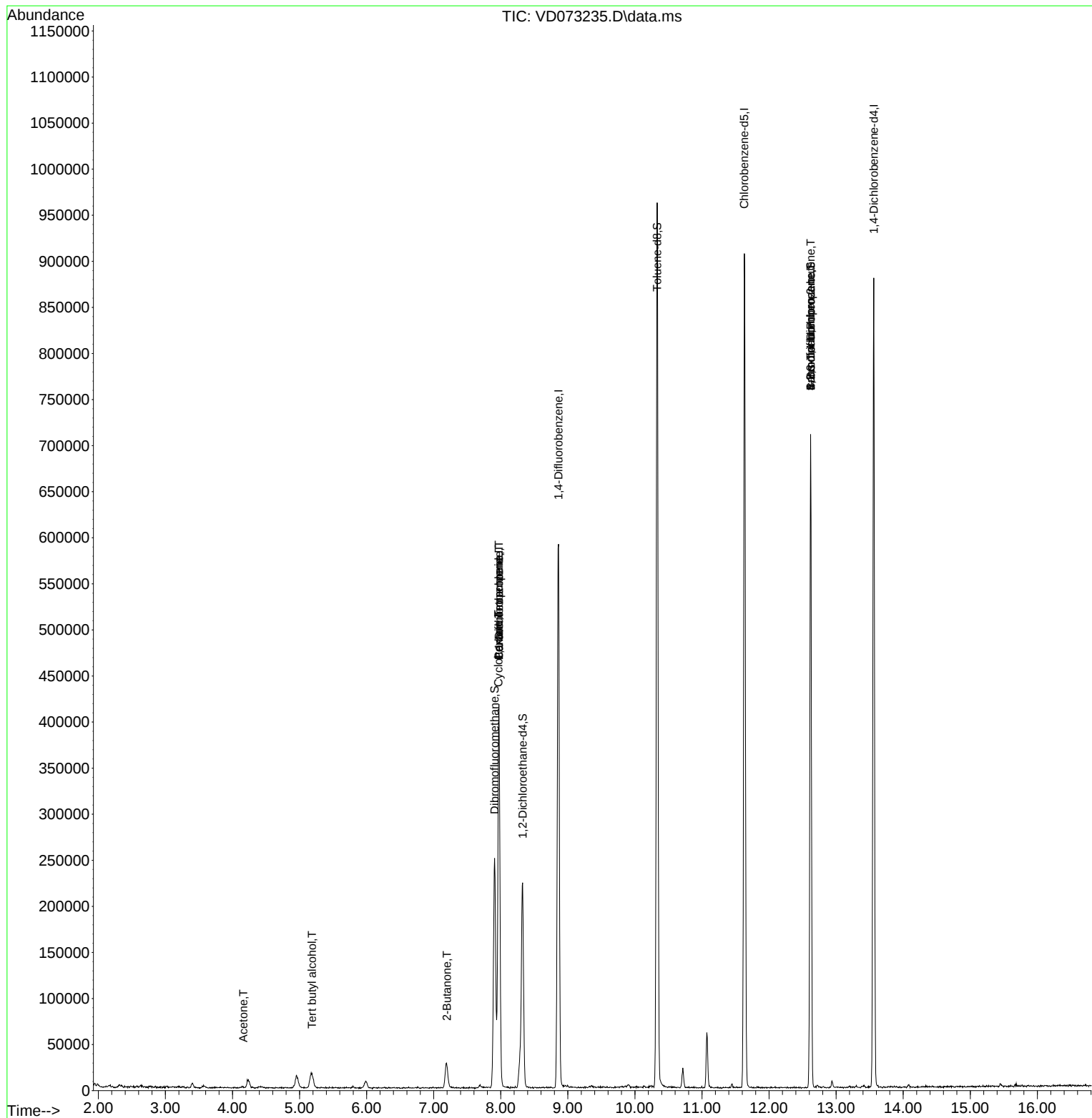
Internal Standards						
1) Pentafluorobenzene	7.973	168	292702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	520257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	541093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	229952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171310	52.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.920%			
35) Dibromofluoromethane	7.908	113	180123	52.468	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.332	98	638047	50.419	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.620	95	228435	51.436	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	933	Below Cal	#	67
11) Tert butyl alcohol	5.185	59	15401	30.687	ug/l #	74
16) Acetone	4.161	43	1739	3.104	ug/l #	78
20) Methylene Chloride	4.956	84	10389	Below Cal	#	78
25) 2-Butanone	7.197	43	977	1.192	ug/l #	52
31) Cyclohexane	7.967	56	7122	1.260	ug/l #	5
36) 1,1-Dichloropropene	7.973	75	25395	4.918	ug/l #	49
38) Carbon Tetrachloride	7.973	117	31343	5.989	ug/l #	17
71) Bromoform	12.620	173	2345	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	112605	49.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	112605	119.815	ug/l #	7

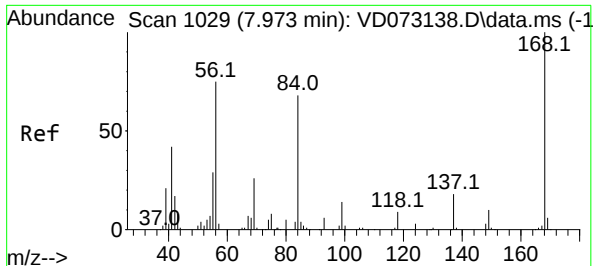
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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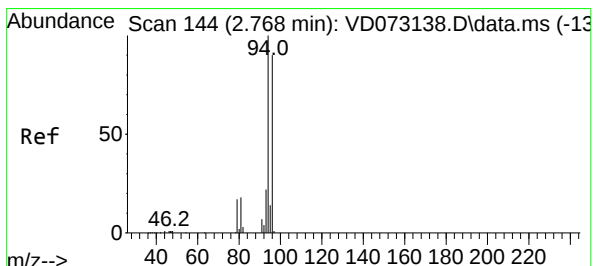
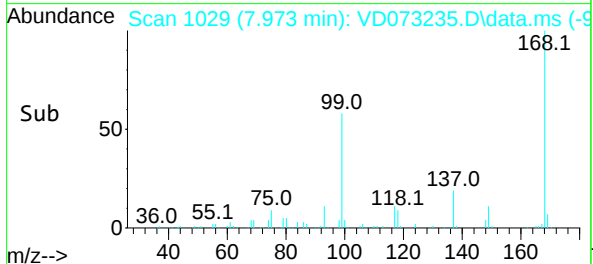
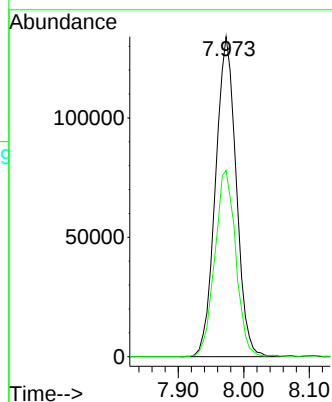
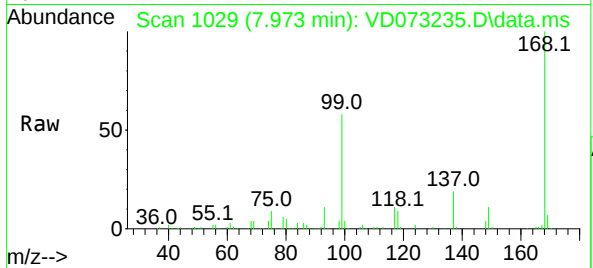




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

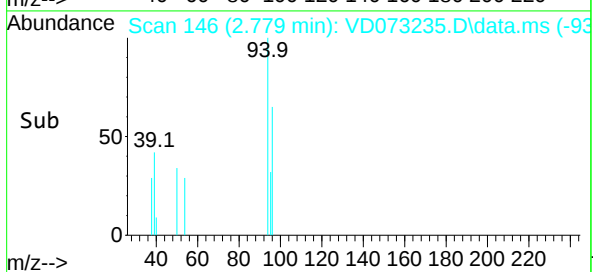
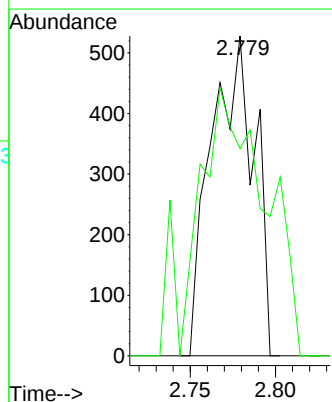
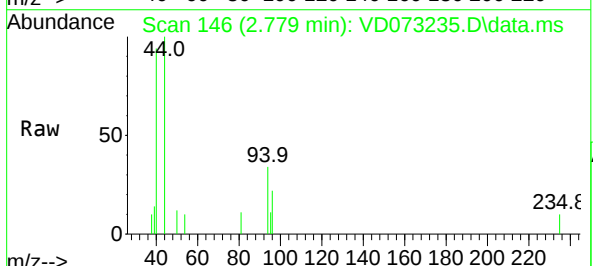
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-0006-01

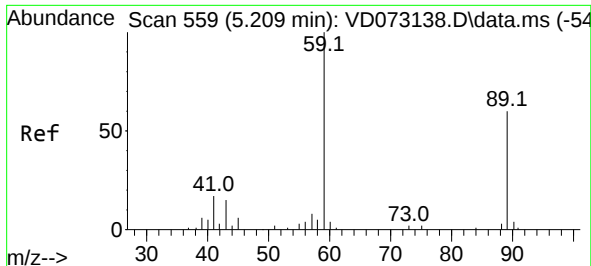
Tgt Ion:168 Resp: 292702
Ion Ratio Lower Upper
168 100
99 58.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

Tgt Ion: 94 Resp: 933
Ion Ratio Lower Upper
94 100
96 64.8 77.6 116.4#

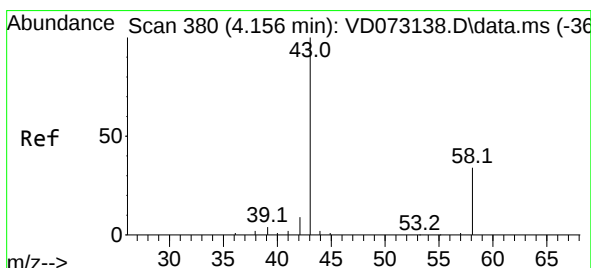
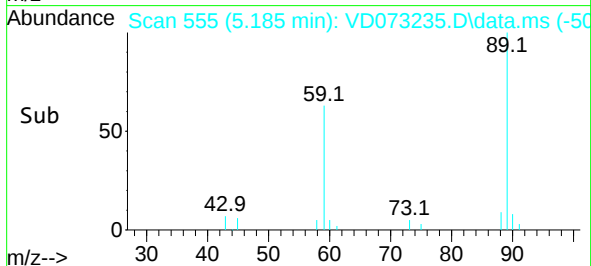
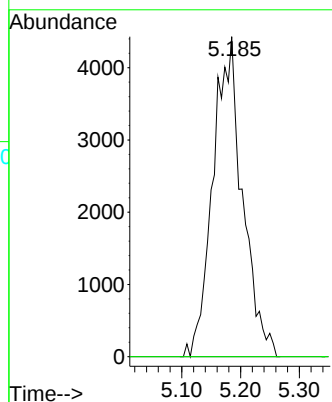
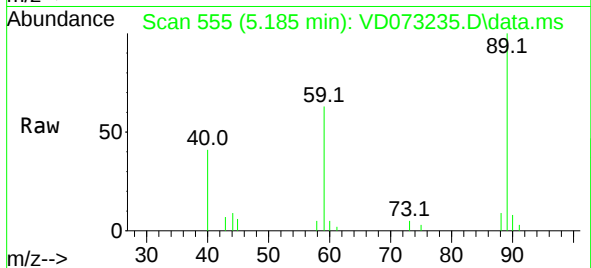




#11
Tert butyl alcohol
Concen: 30.687 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

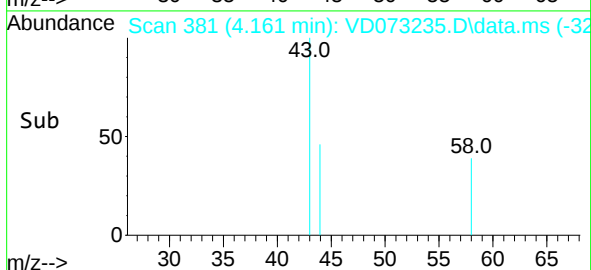
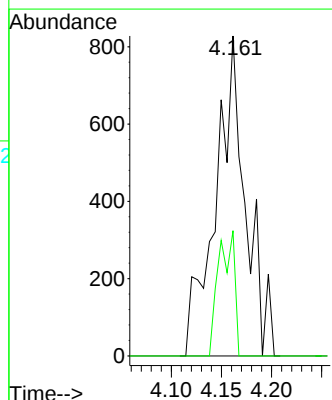
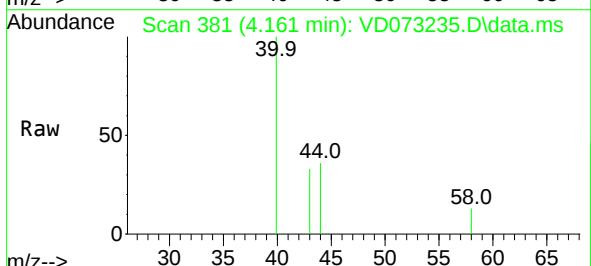
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-0006-01

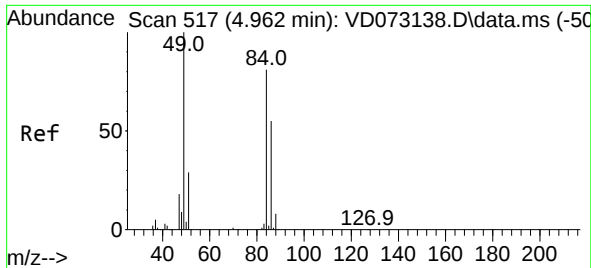
Tgt Ion: 59 Resp: 15401
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.104 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
58 39.1 22.1 33.1#

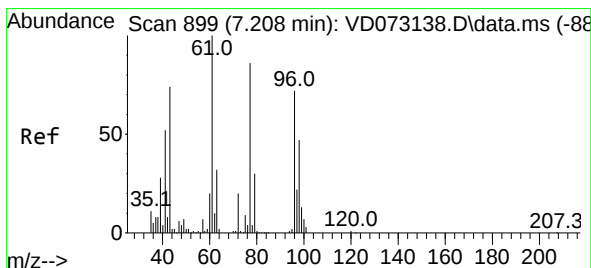
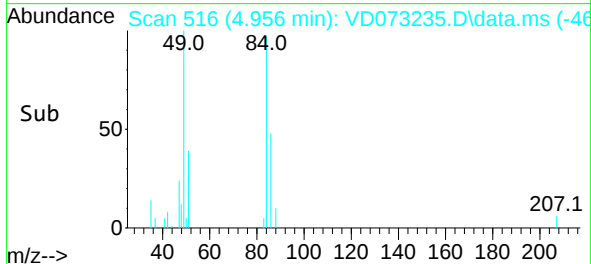
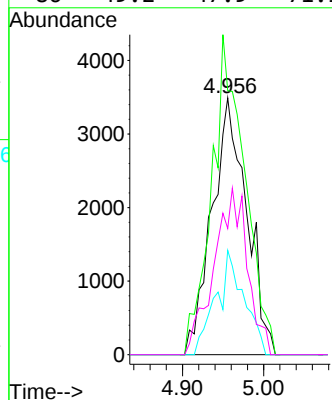
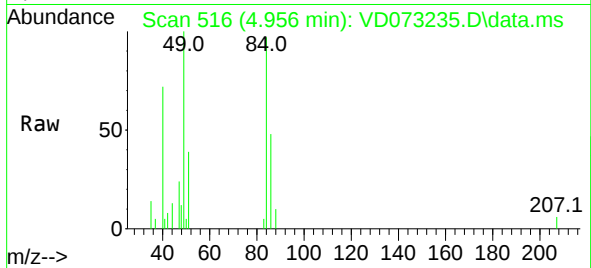




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

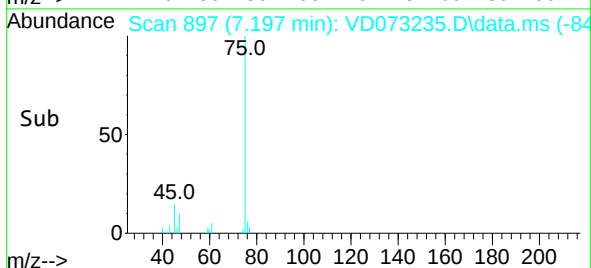
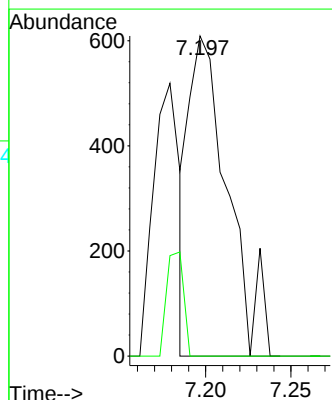
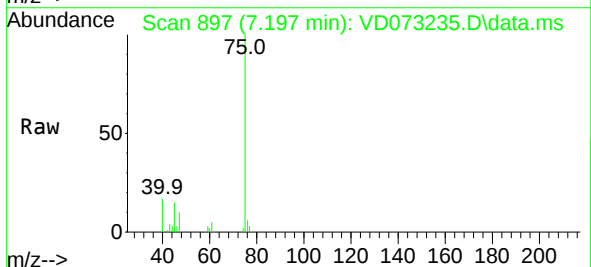
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-0006-01

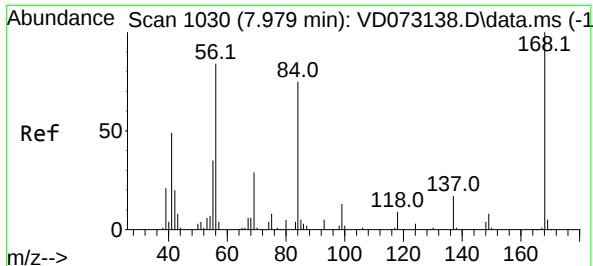
Tgt Ion: 84 Resp: 10389
Ion Ratio Lower Upper
84 100
49 102.8 112.8 169.2#
51 40.6 32.6 48.8
86 49.2 47.9 71.9



#25
2-Butanone
Concen: 1.192 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073235.D

Acq: 21 May 2022 17:53

Instrument :

MSVOA_D

ClientSampleId :

P034-SS001-0006-01

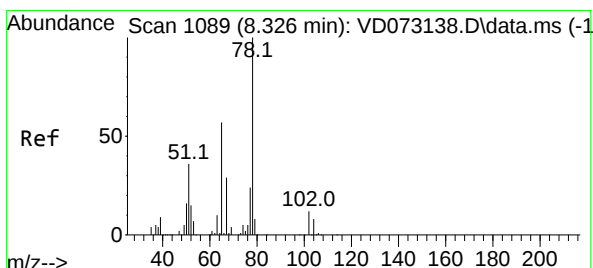
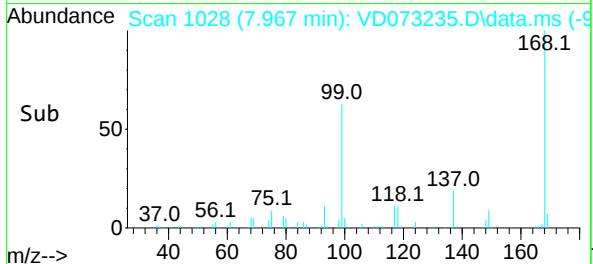
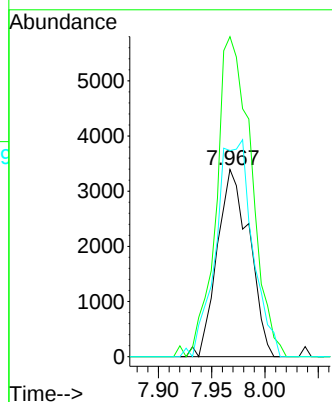
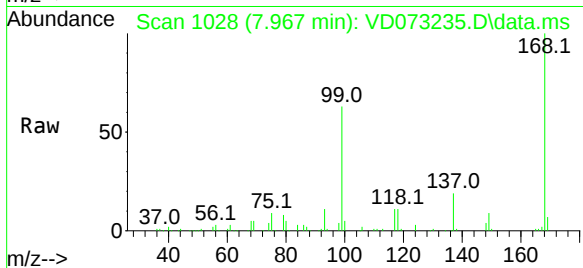
Tgt Ion: 56 Resp: 7122

Ion Ratio Lower Upper

56 100

69 165.2 25.4 38.2#

84 110.1 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 52.959 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073235.D

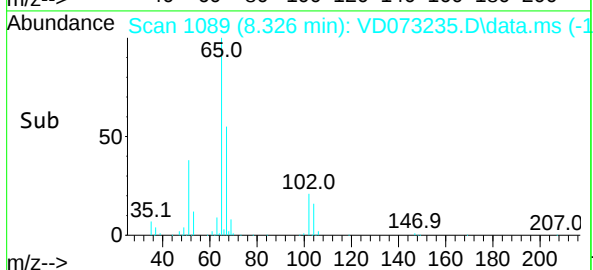
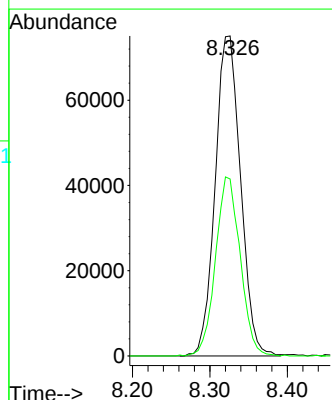
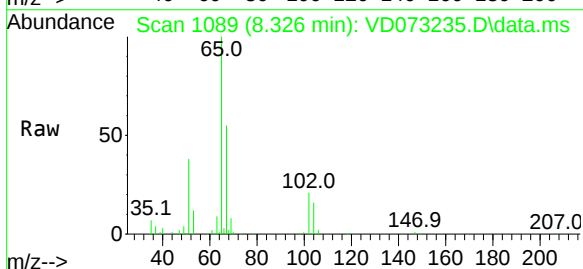
Acq: 21 May 2022 17:53

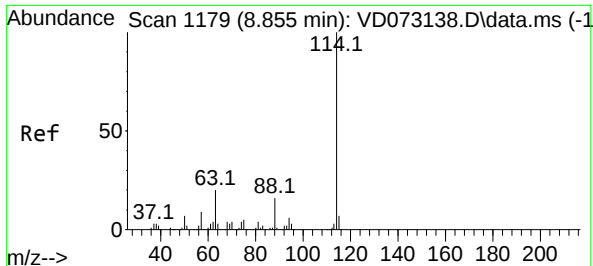
Tgt Ion: 65 Resp: 171310

Ion Ratio Lower Upper

65 100

67 54.5 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: VD073235.D

Acq: 21 May 2022 17:53

Instrument :

MSVOA_D

ClientSampleId :

P034-SS001-0006-01

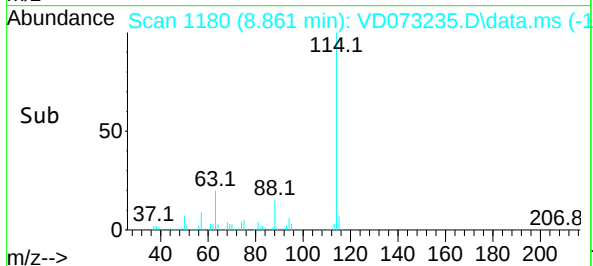
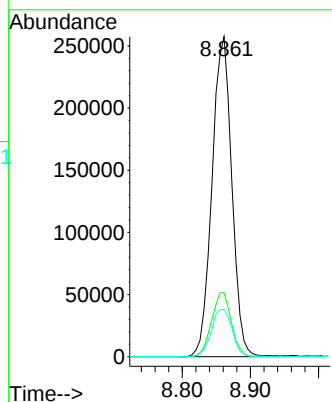
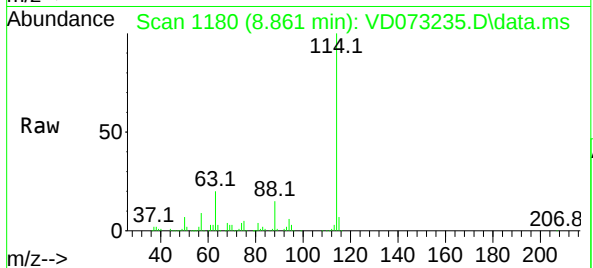
Tgt Ion:114 Resp: 520257

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.468 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073235.D

Acq: 21 May 2022 17:53

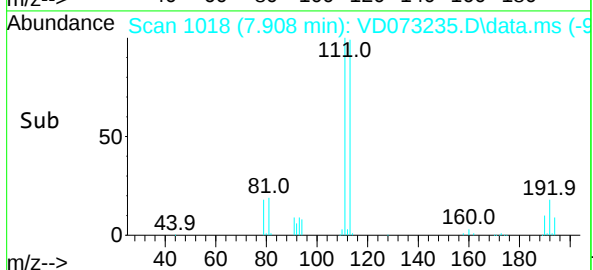
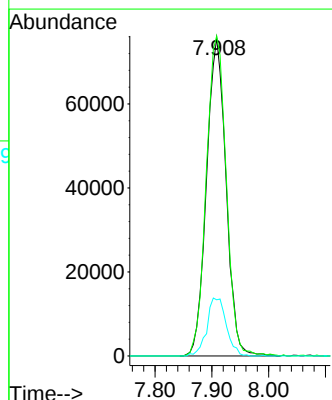
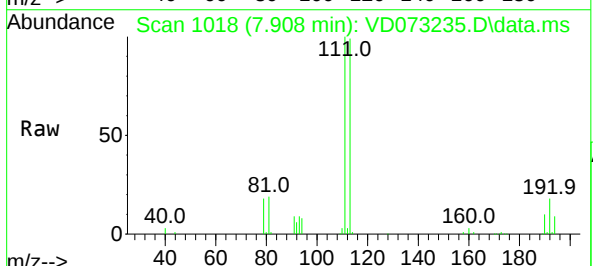
Tgt Ion:113 Resp: 180123

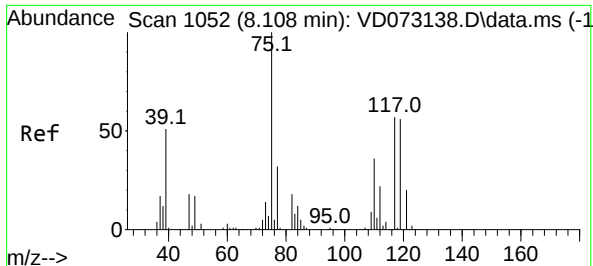
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.918 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073235.D

Acq: 21 May 2022 17:53

Instrument :

MSVOA_D

ClientSampleId :

P034-SS001-0006-01

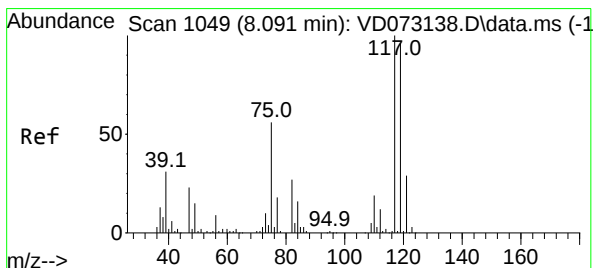
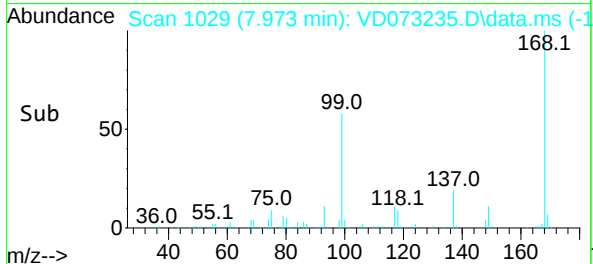
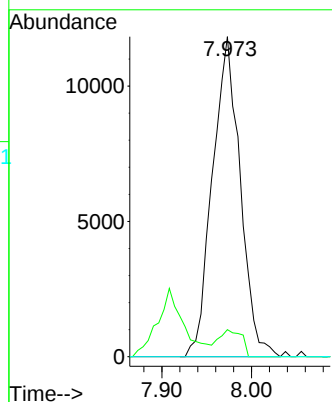
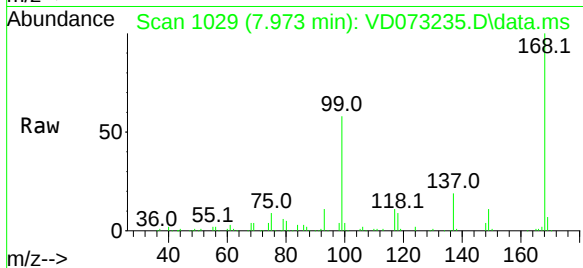
Tgt Ion: 75 Resp: 25395

Ion Ratio Lower Upper

75 100

110 6.9 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.989 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073235.D

Acq: 21 May 2022 17:53

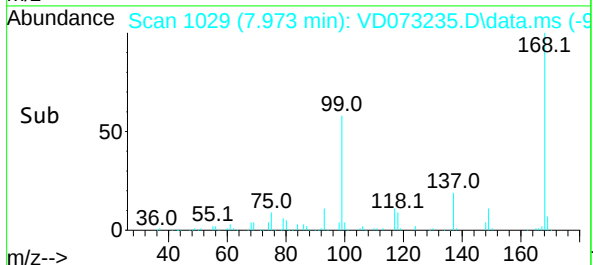
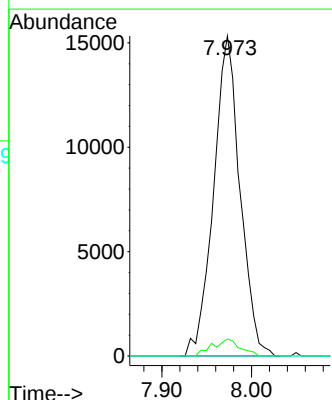
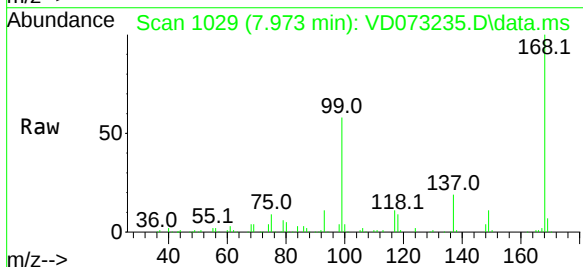
Tgt Ion: 117 Resp: 31343

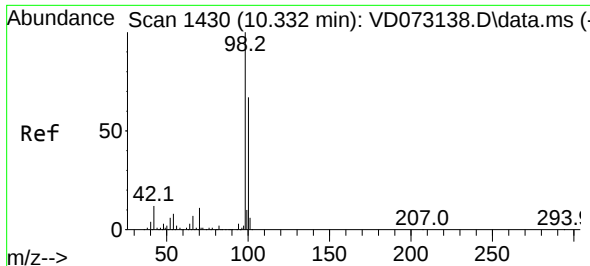
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

121 0.0 24.5 36.7#

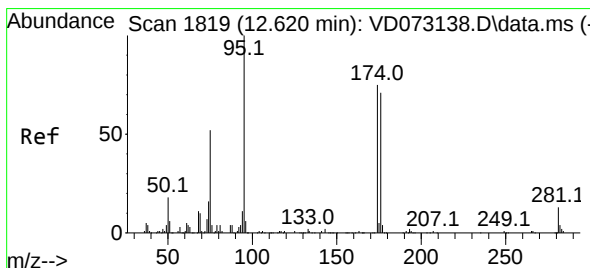
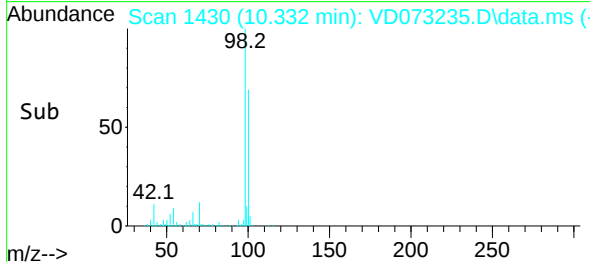
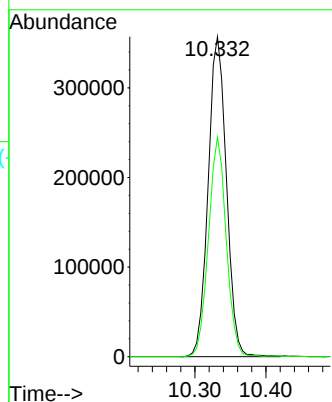
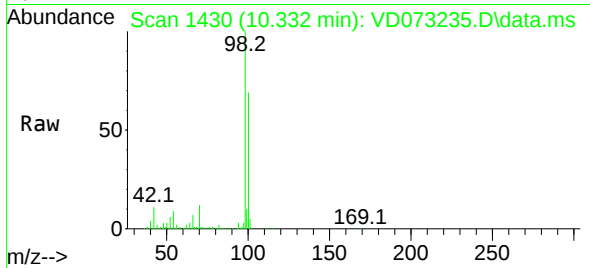




#50
Toluene-d8
Concen: 50.419 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

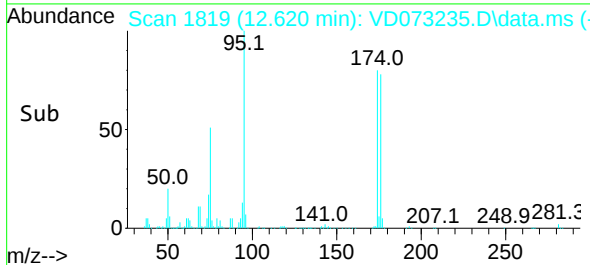
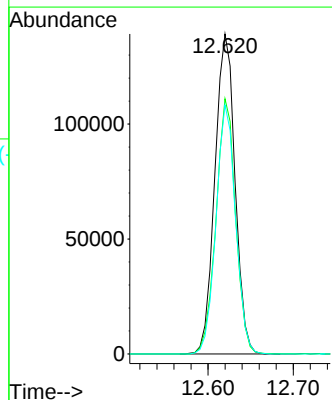
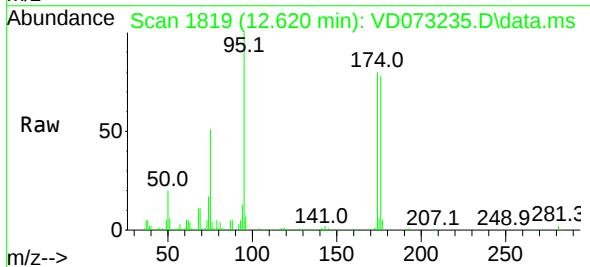
Instrument :
MSVOA_D
ClientSampleId :
P034-SS001-0006-01

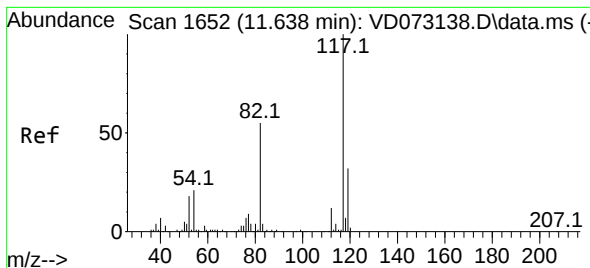
Tgt Ion: 98 Resp: 638047
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.436 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073235.D
Acq: 21 May 2022 17:53

Tgt Ion: 95 Resp: 228435
Ion Ratio Lower Upper
95 100
174 77.5 0.0 152.8
176 75.6 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073235.D

Acq: 21 May 2022 17:53

Instrument :

MSVOA_D

ClientSampleId :

P034-SS001-0006-01

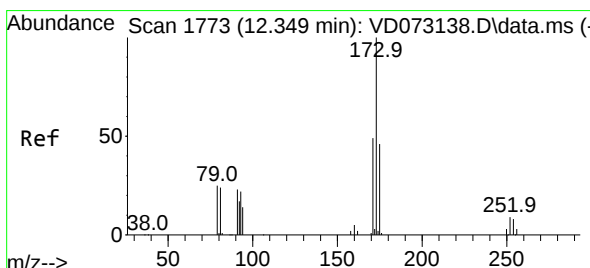
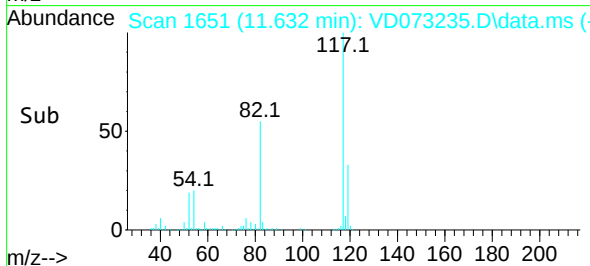
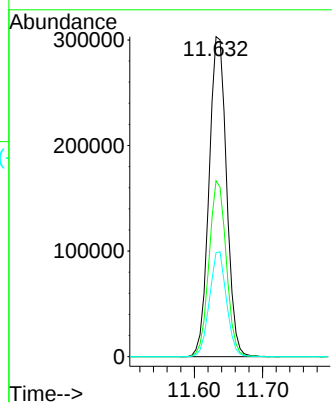
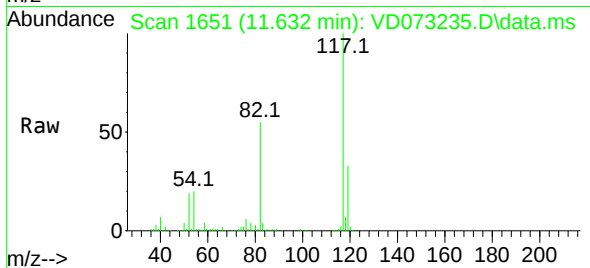
Tgt Ion:117 Resp: 541093

Ion Ratio Lower Upper

117 100

82 55.0 45.3 67.9

119 32.6 26.6 40.0



#71

Bromoform

Concen: 1.107 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073235.D

Acq: 21 May 2022 17:53

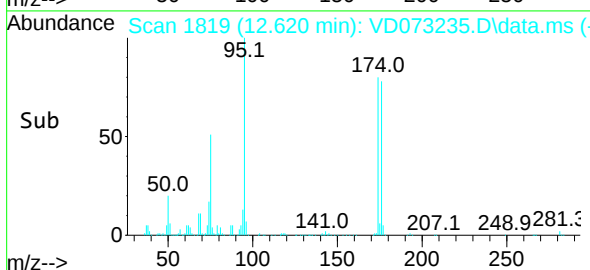
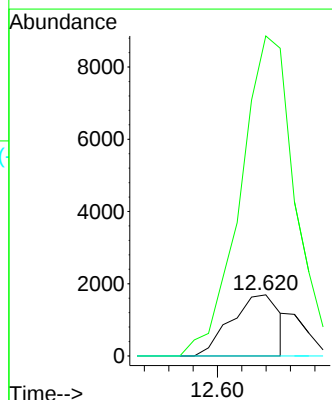
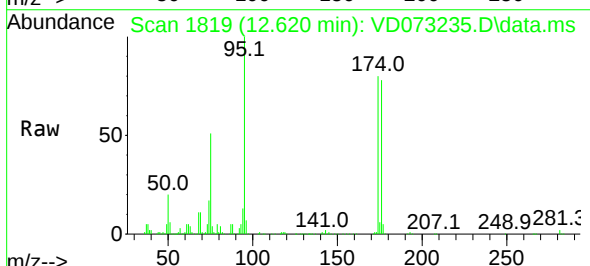
Tgt Ion:173 Resp: 2345

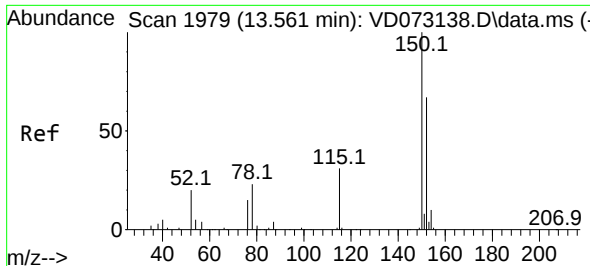
Ion Ratio Lower Upper

173 100

175 472.5 23.9 71.8#

254 0.0 0.0 0.0

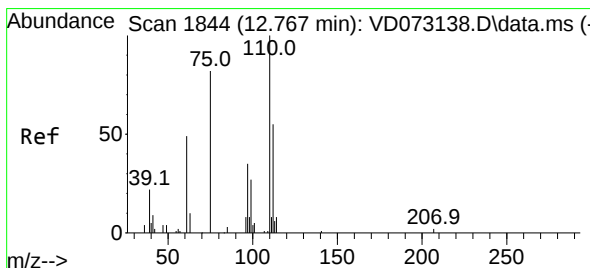
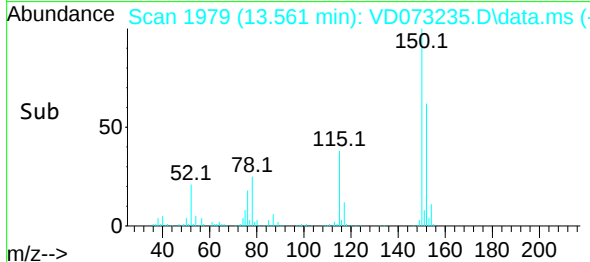
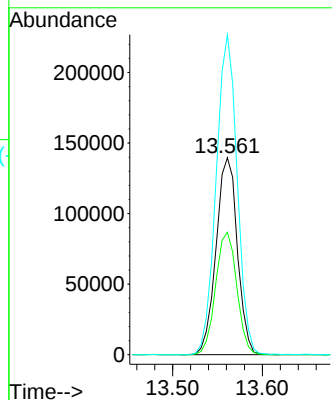
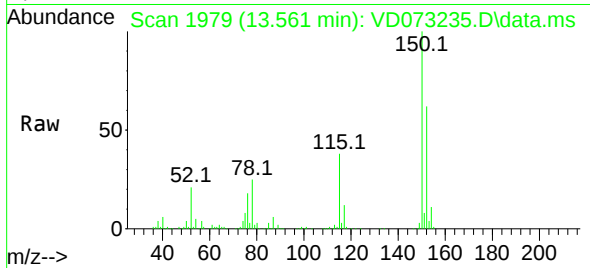




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073235.D
 Acq: 21 May 2022 17:53

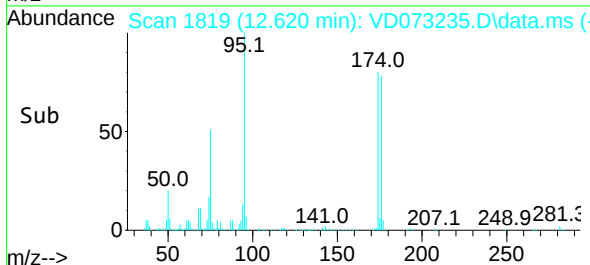
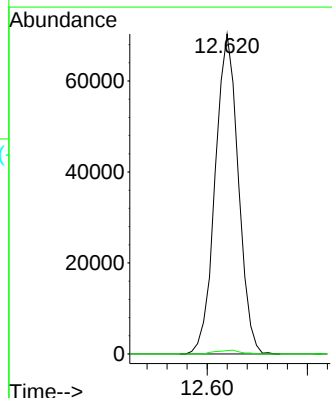
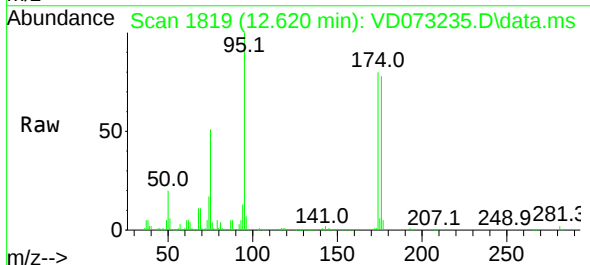
Instrument :
 MSVOA_D
 ClientSampleId :
 P034-SS001-0006-01

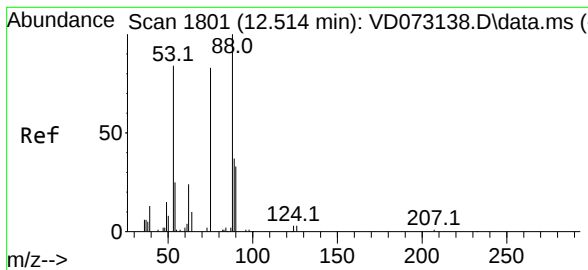
Tgt Ion:152 Resp: 229952
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.3 93.8
 150 160.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 49.909 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073235.D
 Acq: 21 May 2022 17:53

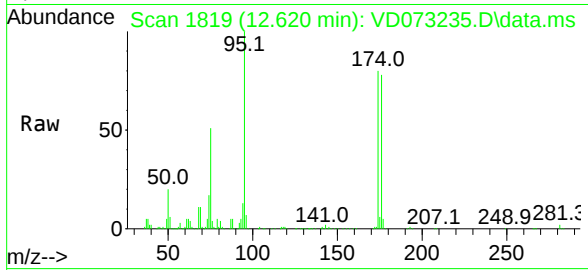
Tgt Ion: 75 Resp: 112605
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.815 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073235.D
 Acq: 21 May 2022 17:53

Instrument :
 MSVOA_D
 ClientSampleId :
 P034-SS001-0006-01



Tgt Ion: 75 Resp: 112605
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.1 33.9 50.9#

