

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073220.D
 Acq On : 21 May 2022 10:10
 Operator : VA/SY
 Sample : N2885-16
 Misc : 5.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P008-SS004-0006-01

Quant Time: May 22 00:01:42 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)

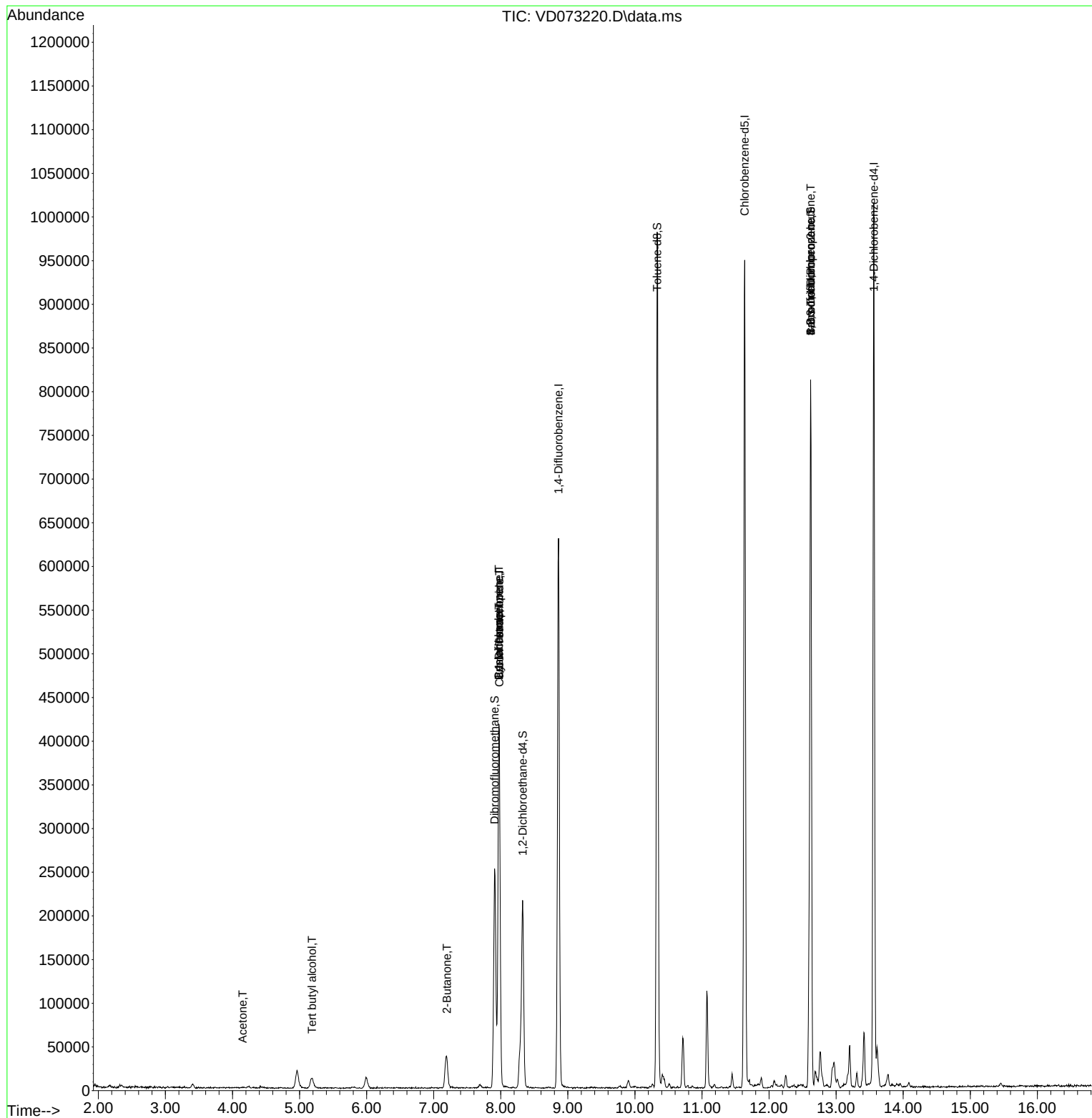
Internal Standards						
1) Pentafluorobenzene	7.973	168	300242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	531074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	550011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	163856	49.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.760%
35) Dibromofluoromethane	7.908	113	175221	50.001	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.332	98	657968	50.934	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.860%
62) 4-Bromofluorobenzene	12.620	95	255450	56.348	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.700%
Target Compounds						
5) Bromomethane	2.773	94	598	Below Cal	#	52
11) Tert butyl alcohol	5.185	59	10815	21.008	ug/l #	74
16) Acetone	4.150	43	761	1.324	ug/l	91
20) Methylene Chloride	4.967	84	14047	Below Cal	#	88
25) 2-Butanone	7.197	43	1954	2.324	ug/l #	52
31) Cyclohexane	7.973	56	7580	1.307	ug/l #	26
36) 1,1-Dichloropropene	7.973	75	25875	4.909	ug/l #	52
38) Carbon Tetrachloride	7.979	117	31435	5.884	ug/l #	17
71) Bromoform	12.620	173	2417	1.122	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	129772	51.020	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	129772	122.482	ug/l #	7

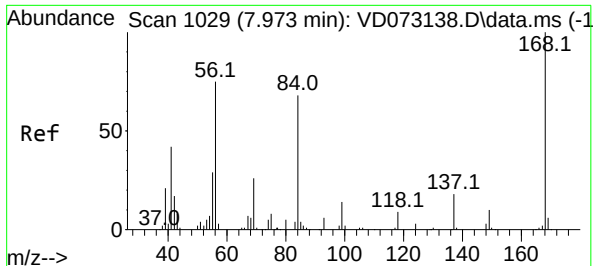
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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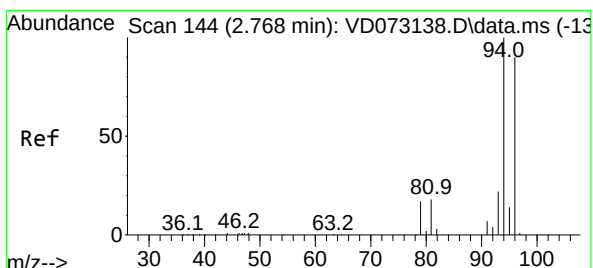
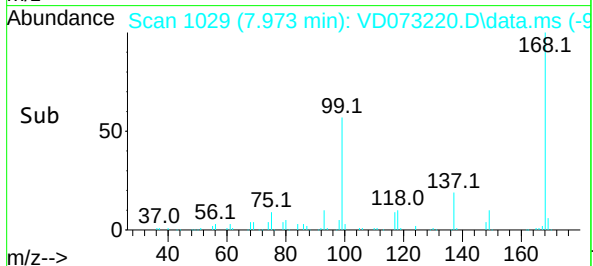
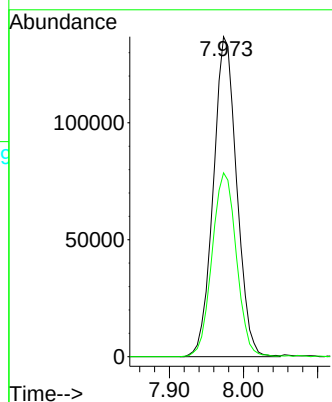
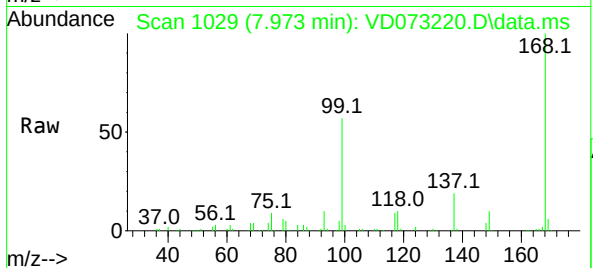




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

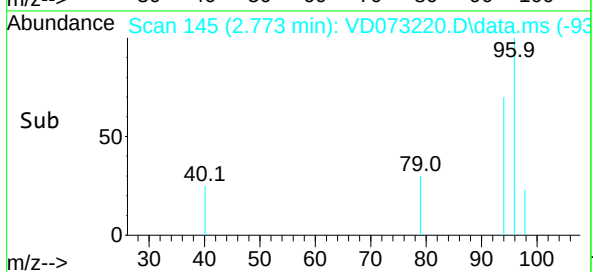
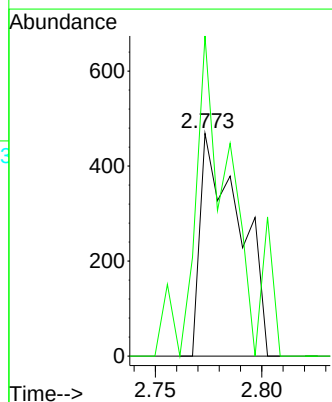
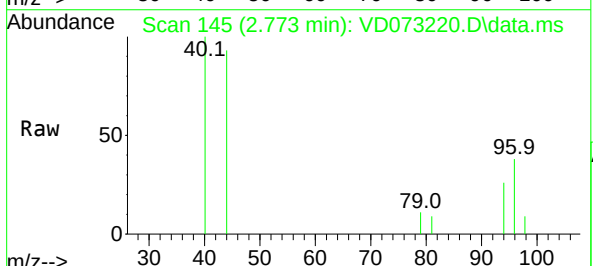
Instrument :
MSVOA_D
ClientSampleId :
P008-SS004-0006-01

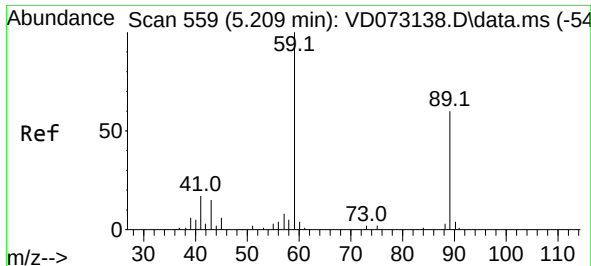
Tgt Ion:168 Resp: 300242
Ion Ratio Lower Upper
168 100
99 57.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 143.7 77.6 116.4#





#11

Tert butyl alcohol

Concen: 21.008 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

Instrument :

MSVOA_D

ClientSampleId :

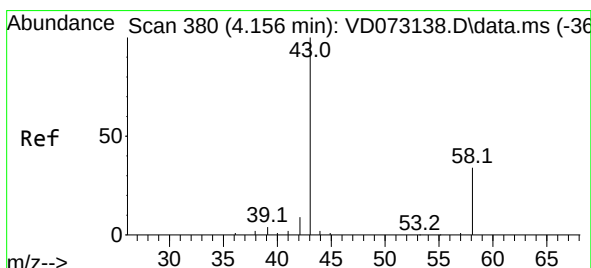
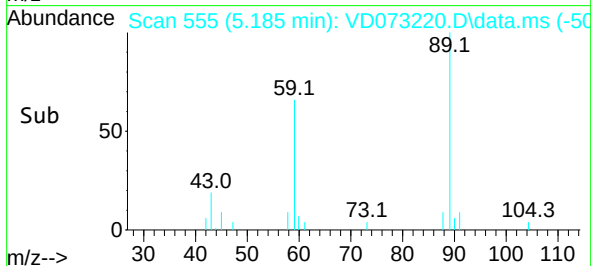
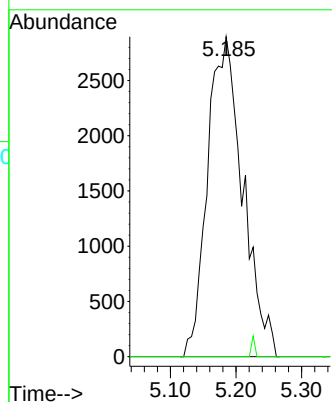
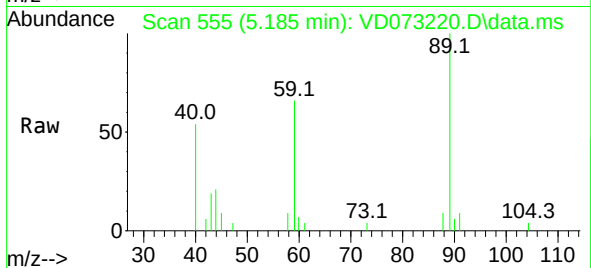
P008-SS004-0006-01

Tgt Ion: 59 Resp: 10815

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 1.324 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD073220.D

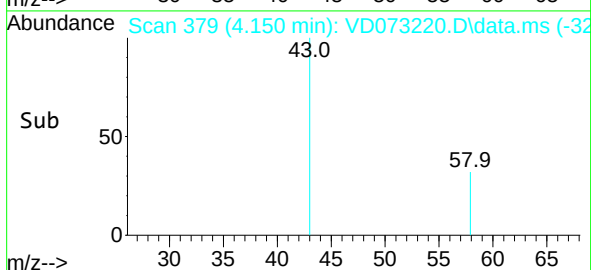
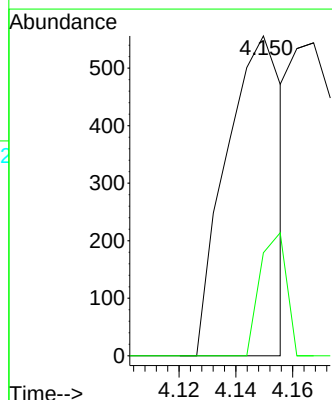
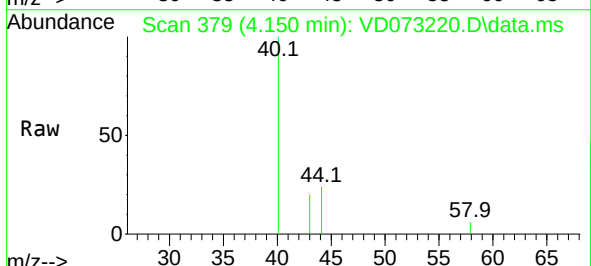
Acq: 21 May 2022 10:10

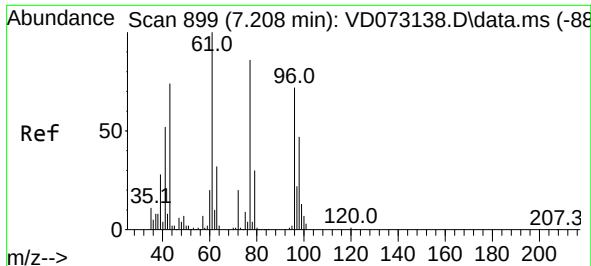
Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

58 32.2 22.1 33.1

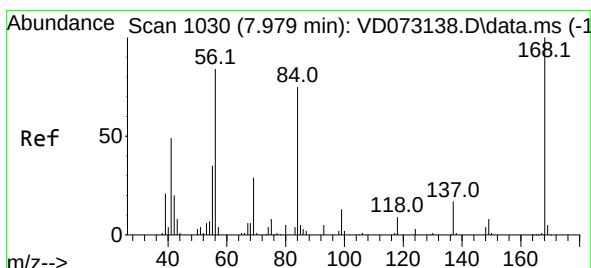
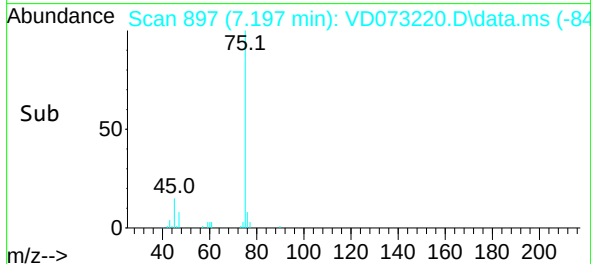
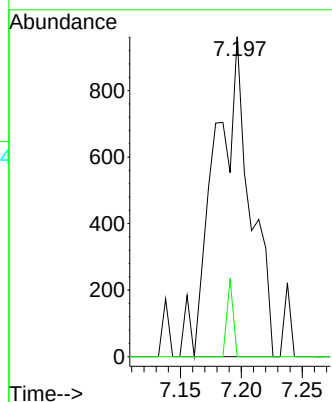
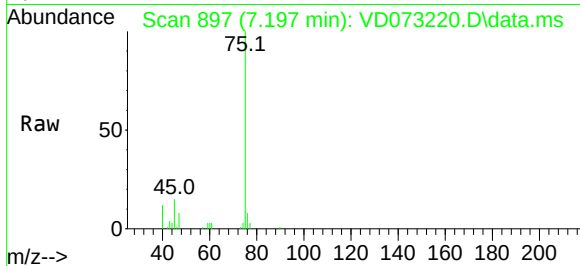




#25
2-Butanone
Concen: 2.324 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.011 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

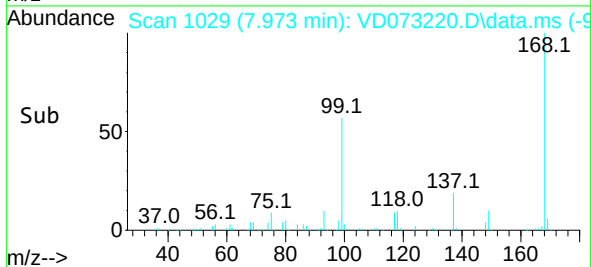
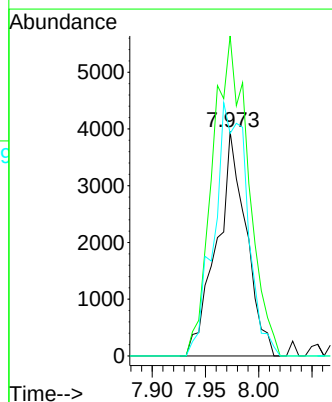
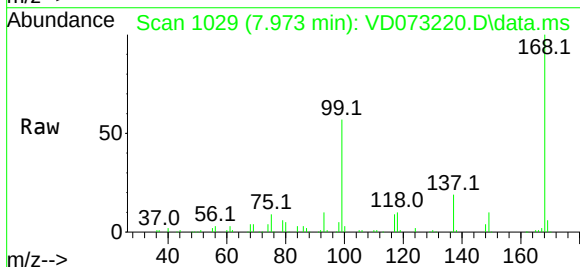
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P008-SS004-0006-01

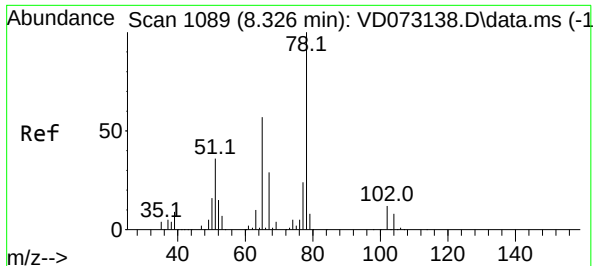
Tgt Ion: 43 Resp: 1954
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

Tgt Ion: 56 Resp: 7580
Ion Ratio Lower Upper
56 100
69 142.5 25.4 38.2#
84 99.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.382 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

Instrument :

MSVOA_D

ClientSampleId :

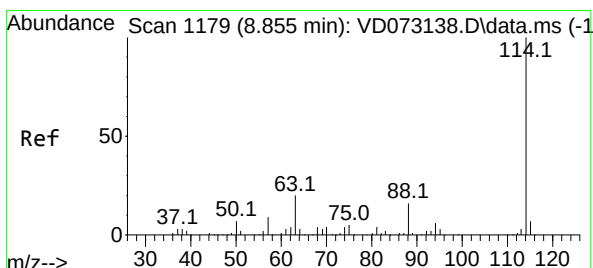
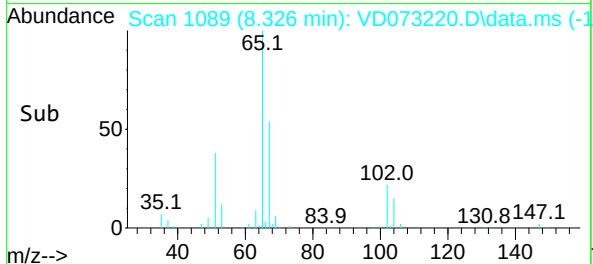
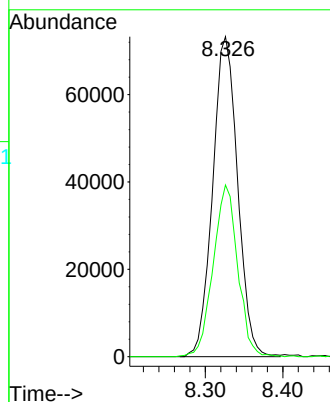
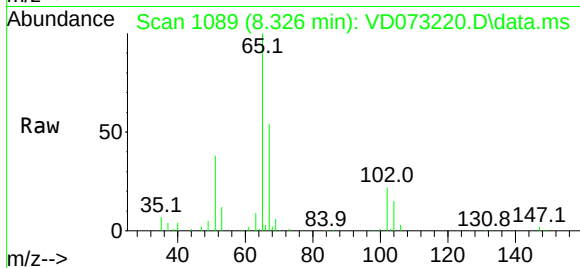
P008-SS004-0006-01

Tgt Ion: 65 Resp: 163856

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

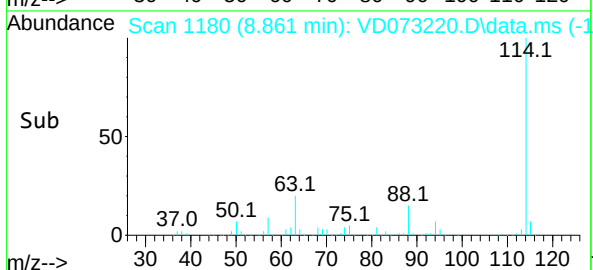
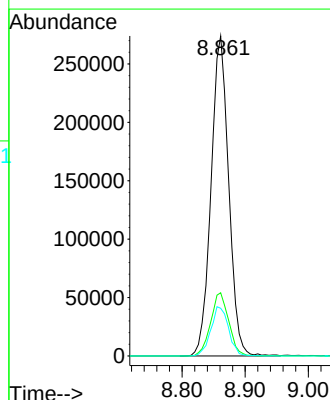
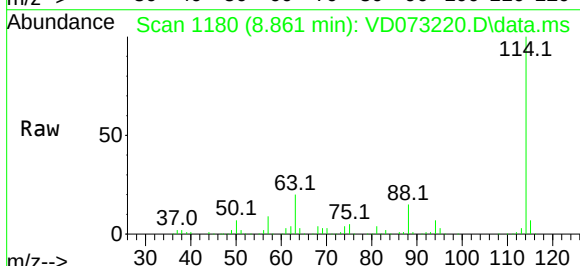
Tgt Ion: 114 Resp: 531074

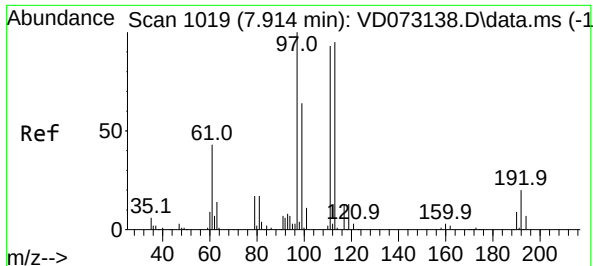
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.001 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

Instrument :

MSVOA_D

ClientSampleId :

P008-SS004-0006-01

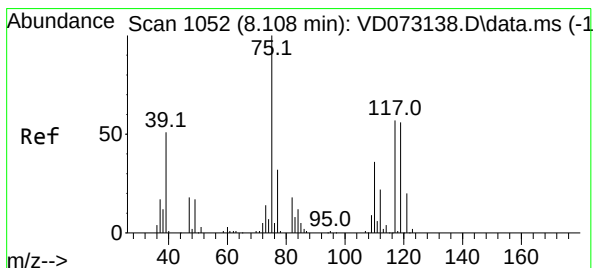
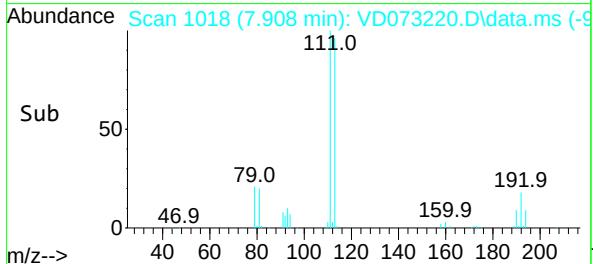
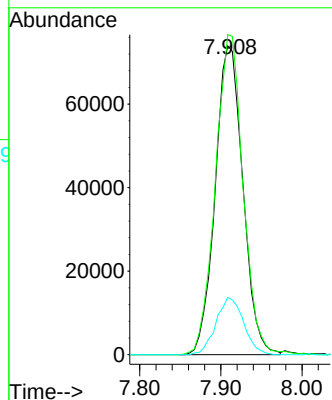
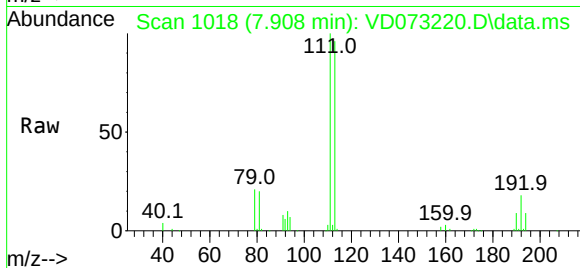
Tgt Ion:113 Resp: 175221

Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 18.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

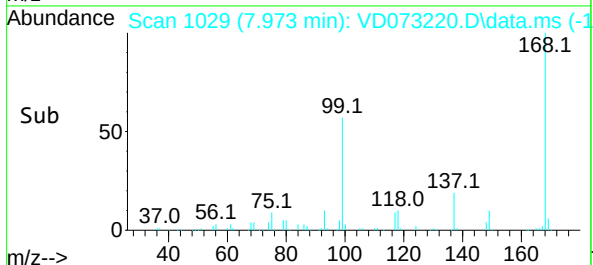
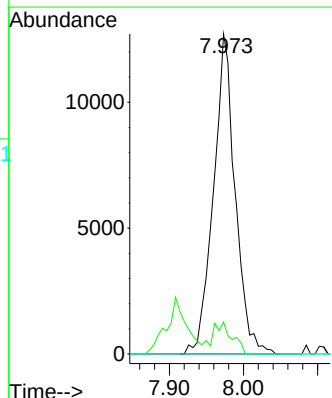
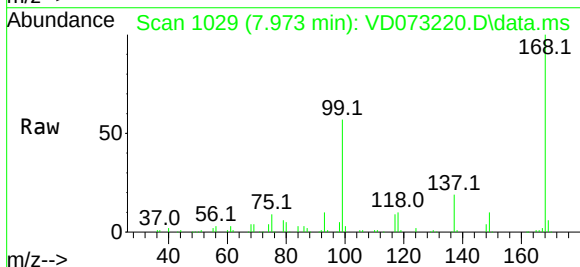
Tgt Ion: 75 Resp: 25875

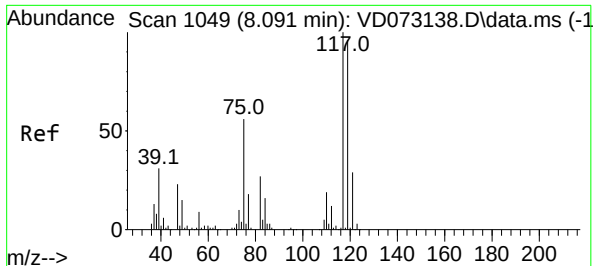
Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.1#

77 0.0 24.2 36.2#

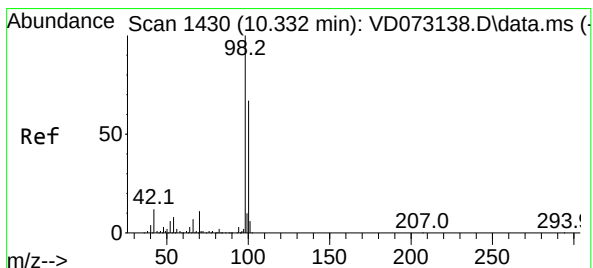
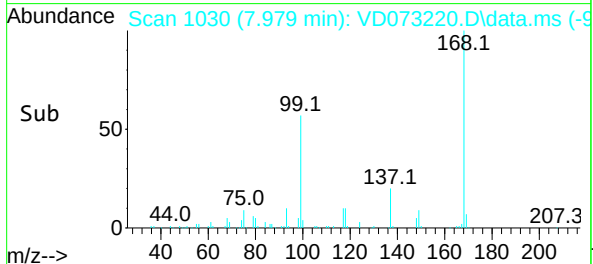
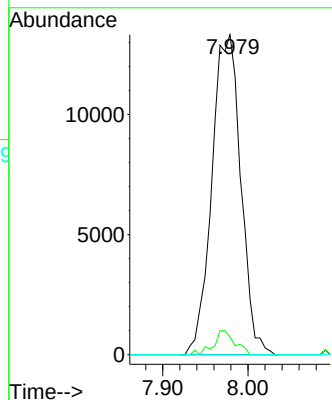
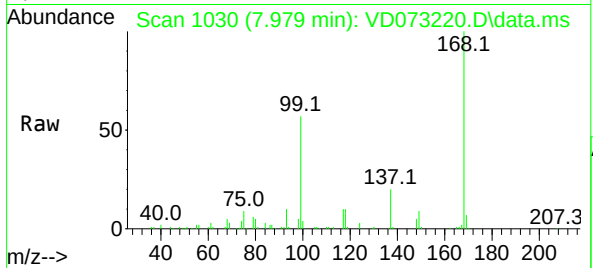




#38
Carbon Tetrachloride
Concen: 5.884 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

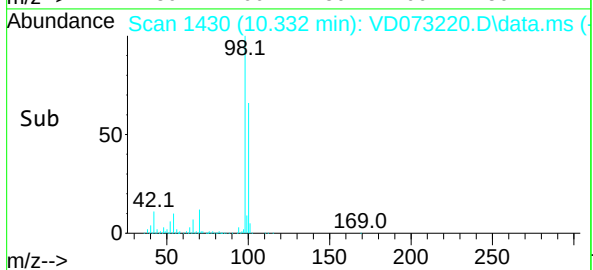
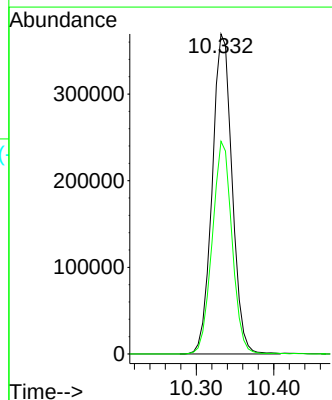
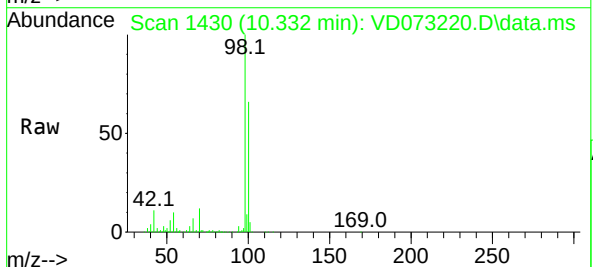
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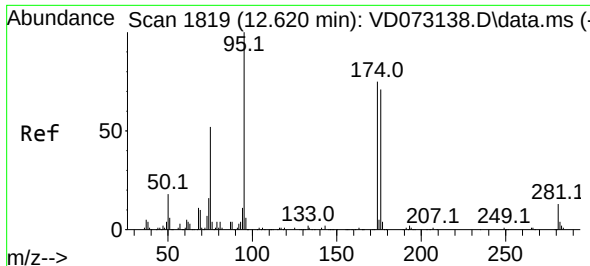
Tgt Ion:117 Resp: 31435
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.934 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

Tgt Ion: 98 Resp: 657968
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

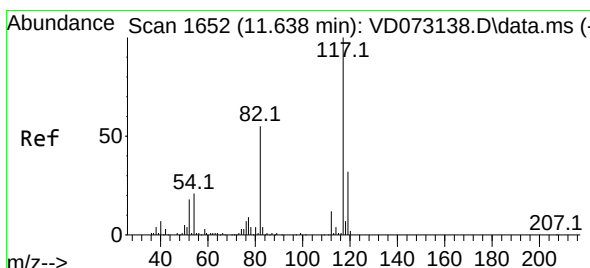
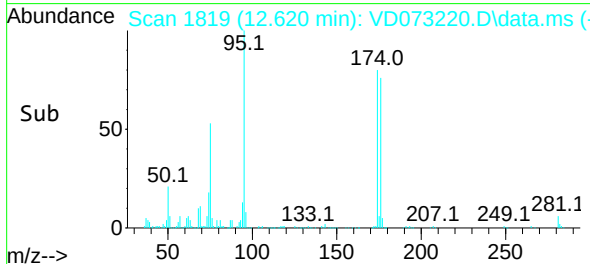
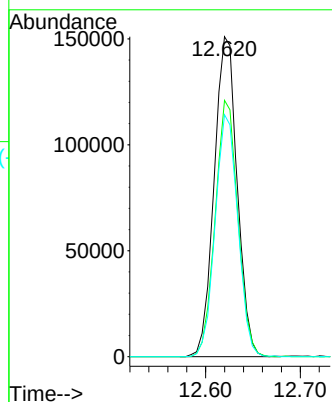
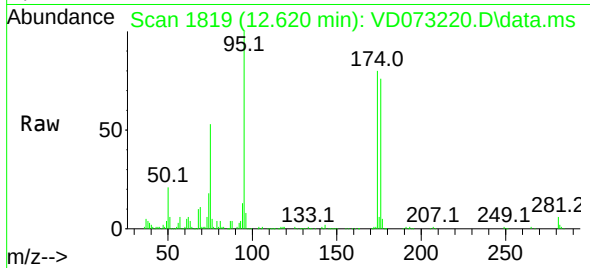




#62
4-Bromofluorobenzene
Concen: 56.348 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

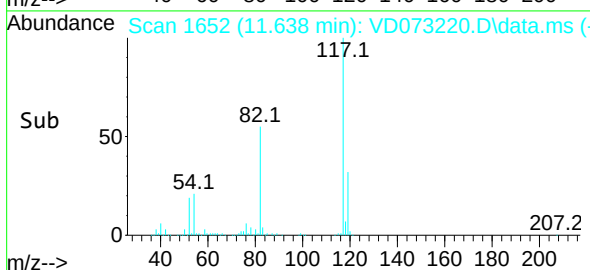
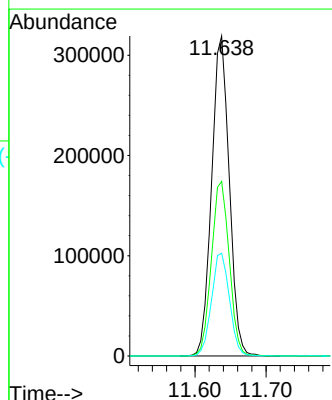
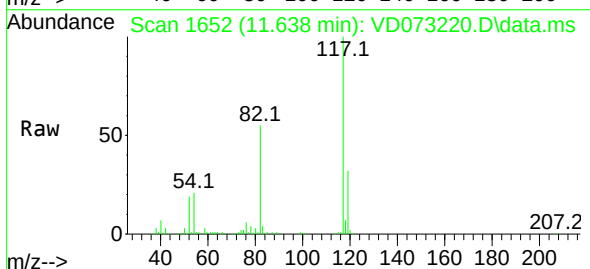
Instrument :
MSVOA_D
ClientSampleId :
P008-SS004-0006-01

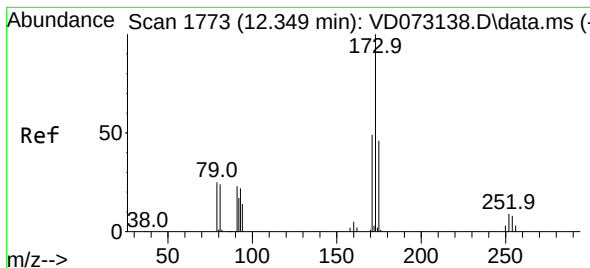
Tgt Ion: 95 Resp: 255450
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 74.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

Tgt Ion: 117 Resp: 550011
Ion Ratio Lower Upper
117 100
82 54.6 45.3 67.9
119 32.1 26.6 40.0





#71

Bromoform

Concen: 1.122 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073220.D

Acq: 21 May 2022 10:10

Instrument :

MSVOA_D

ClientSampleId :

P008-SS004-0006-01

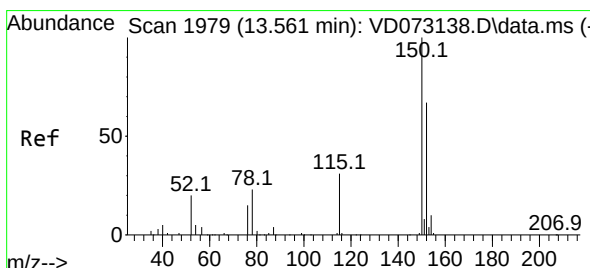
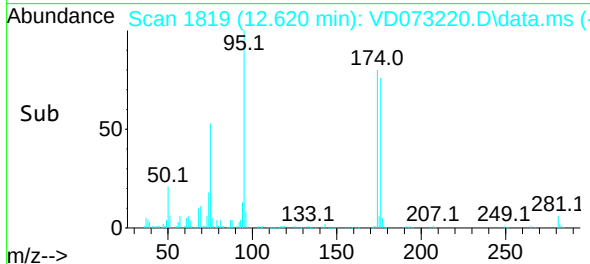
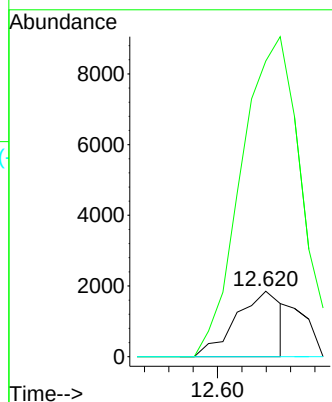
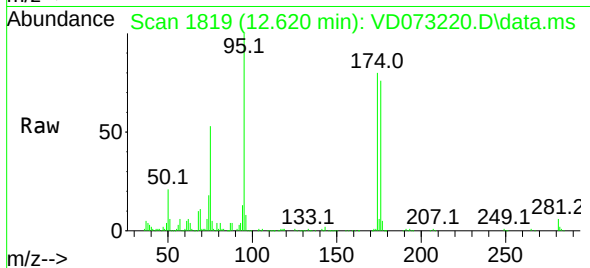
Tgt Ion:173 Resp: 2417

Ion Ratio Lower Upper

173 100

175 0.0 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: VD073220.D

Acq: 21 May 2022 10:10

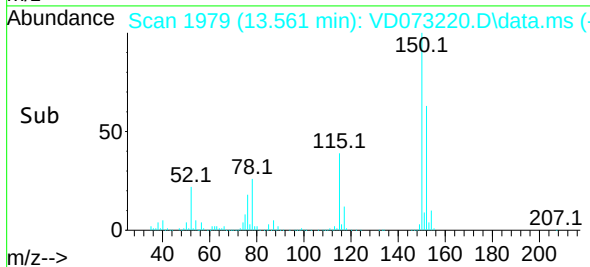
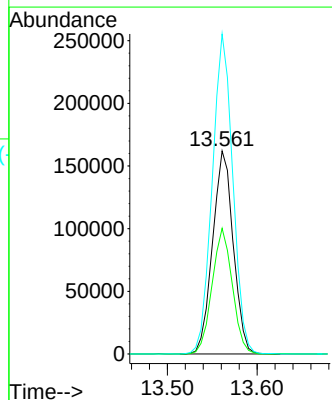
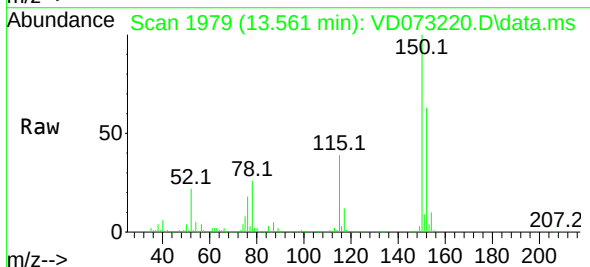
Tgt Ion:152 Resp: 259238

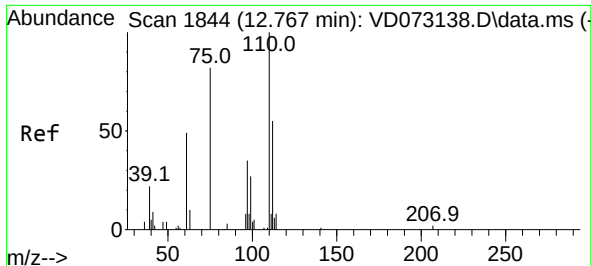
Ion Ratio Lower Upper

152 100

115 60.3 31.3 93.8

150 156.5 0.0 348.6

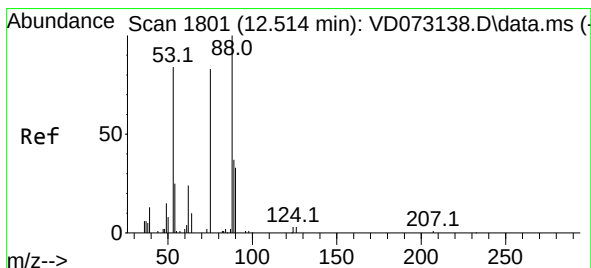
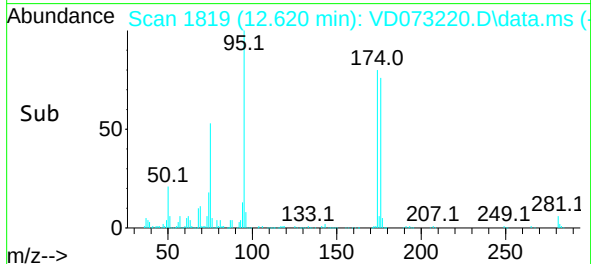
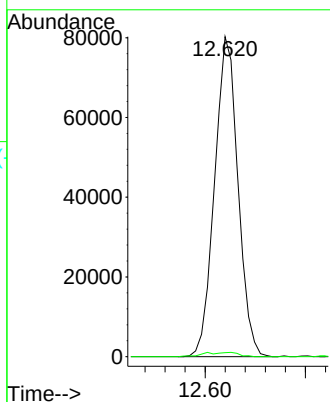
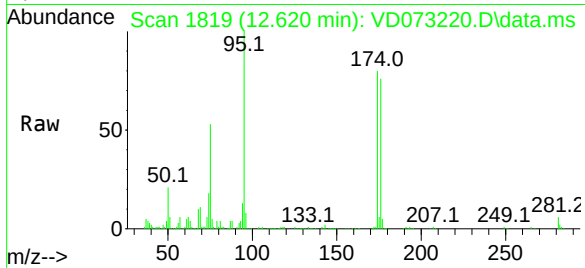




#76
1,2,3-Trichloropropane
Concen: 51.020 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

Instrument :
MSVOA_D
ClientSampleId :
P008-SS004-0006-01

Tgt Ion: 75 Resp: 129772
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.482 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073220.D
Acq: 21 May 2022 10:10

Tgt Ion: 75 Resp: 129772
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#

