

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061322\
 Data File : VD073541.D
 Acq On : 13 Jun 2022 12:46
 Operator : VA/SY
 Sample : N3233-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CR-1

Quant Time: Jun 13 15:32:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

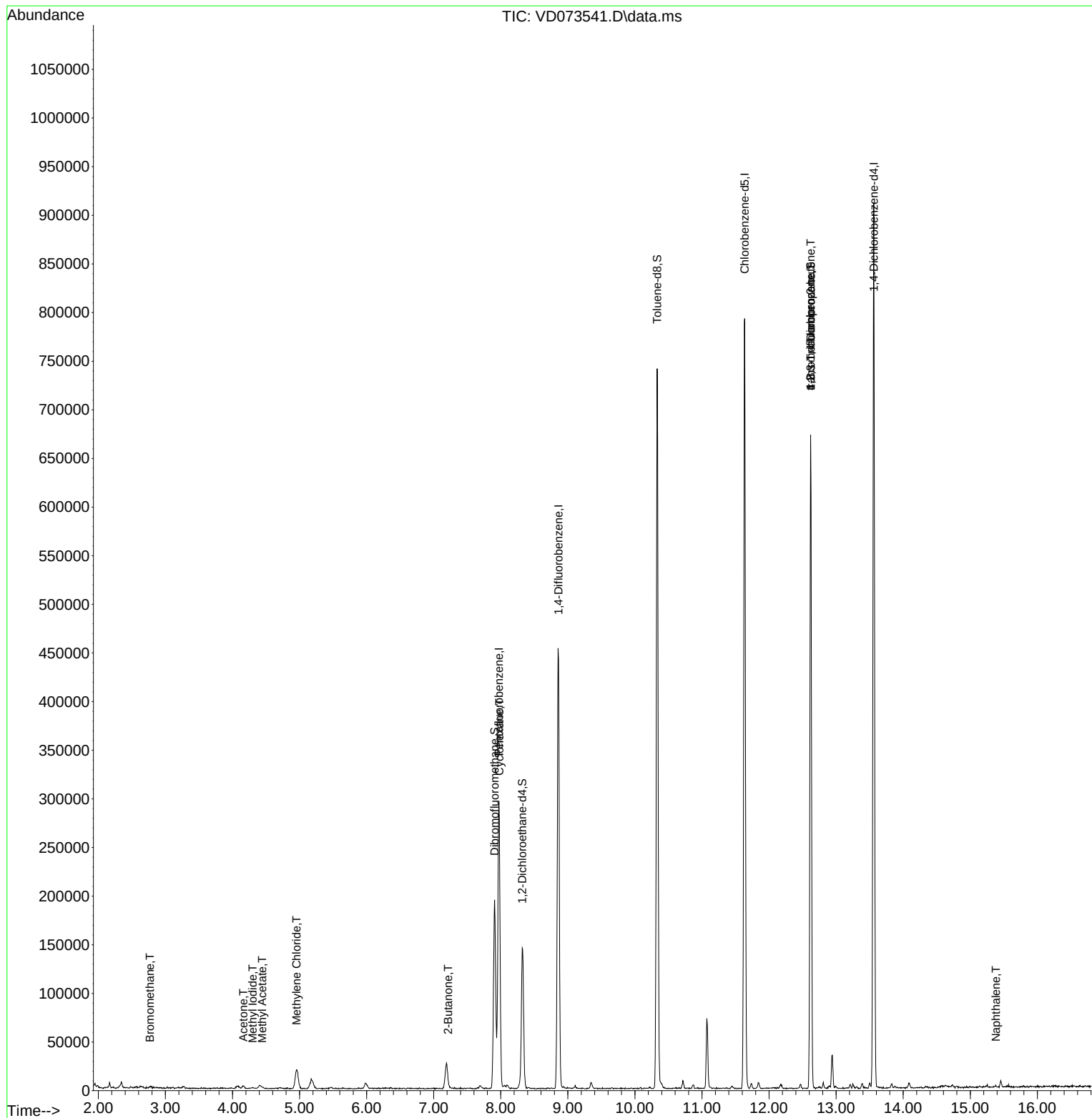
Internal Standards						
1) Pentafluorobenzene	7.973	168	217666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	397638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	468859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	247183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	118336	50.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.320%	
35) Dibromofluoromethane	7.908	113	136407	53.347	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.332	98	503135	52.043	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	12.620	95	220238	62.753	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	1455	1.017	ug/l #	47
10) Methyl Iodide	4.303	142	787	4.441	ug/l #	38
11) Tert butyl alcohol	5.185	59	8954	Below Cal	#	75
16) Acetone	4.162	43	4752	11.554	ug/l	94
18) Methyl Acetate	4.444	43	597	1.870	ug/l #	55
20) Methylene Chloride	4.956	84	15027	2.743	ug/l #	78
25) 2-Butanone	7.214	43	787	1.300	ug/l #	52
31) Cyclohexane	7.979	56	6067	1.542	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	111181	46.301	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	111181	108.675	ug/l #	7
95) Naphthalene	15.384	128	1570	4.365	ug/l #	74

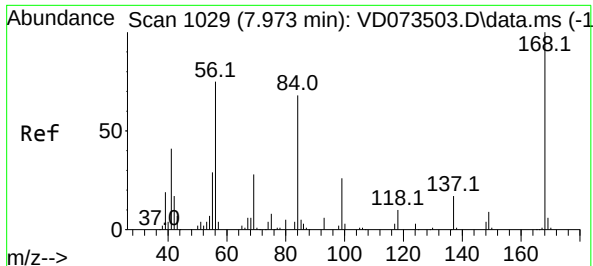
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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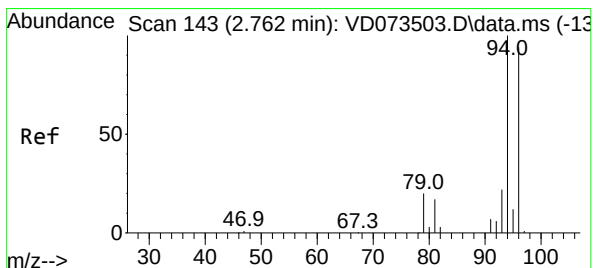
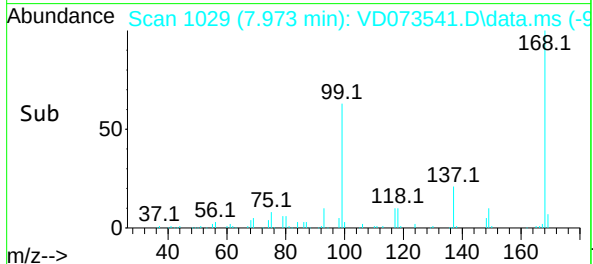
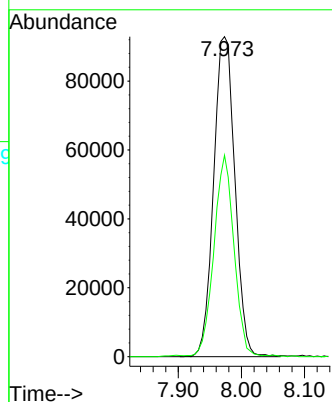
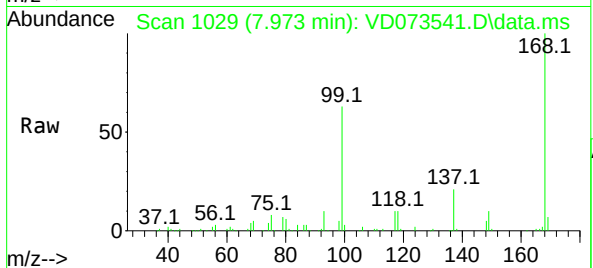




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

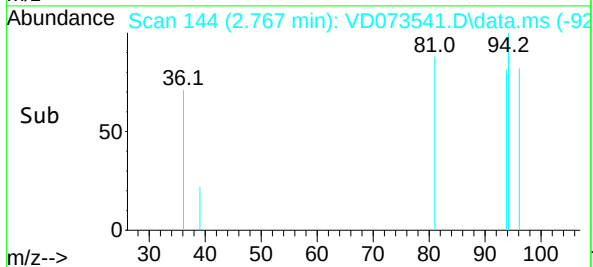
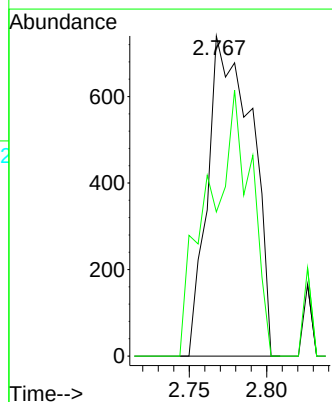
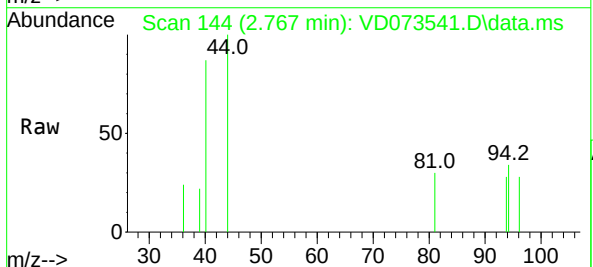
Instrument :
MSVOA_D
ClientSampleId :
CR-1

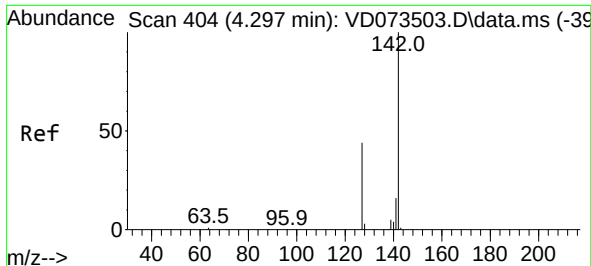
Tgt Ion:168 Resp: 217666
Ion Ratio Lower Upper
168 100
99 62.8 49.8 74.6



#5
Bromomethane
Concen: 1.017 ug/l
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

Tgt Ion: 94 Resp: 1455
Ion Ratio Lower Upper
94 100
96 45.0 77.6 116.4#





#10

Methyl Iodide

Concen: 4.441 ug/l

RT: 4.303 min Scan# 404

Delta R.T. 0.006 min

Lab File: VD073541.D

Acq: 13 Jun 2022 12:46

Instrument :

MSVOA_D

ClientSampleId :

CR-1

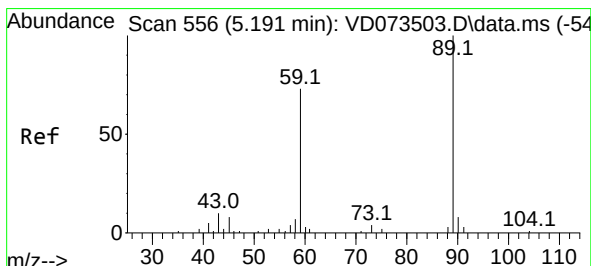
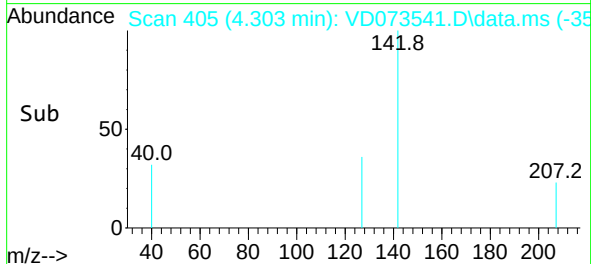
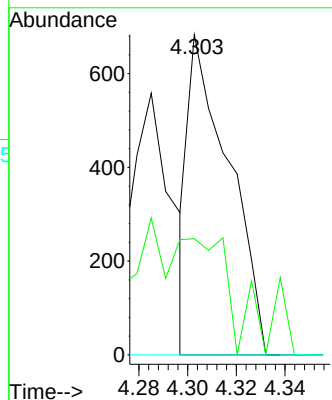
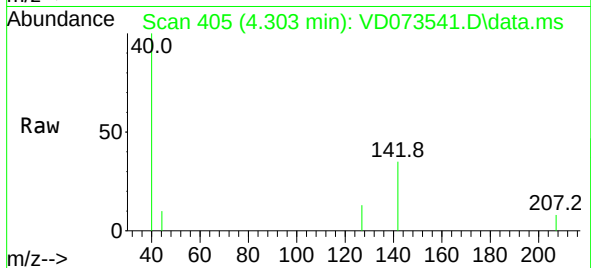
Tgt Ion:142 Resp: 787

Ion Ratio Lower Upper

142 100

127 0.0 37.3 55.9#

141 0.0 11.7 17.5#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.185 min Scan# 555

Delta R.T. -0.006 min

Lab File: VD073541.D

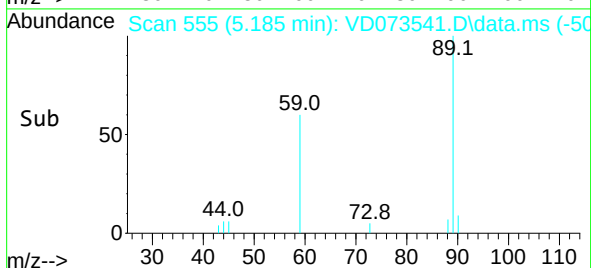
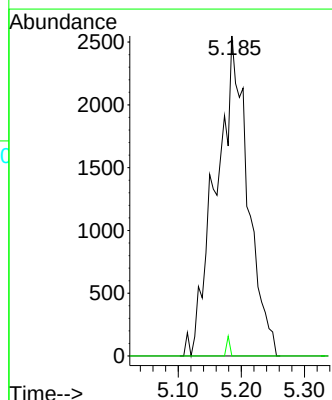
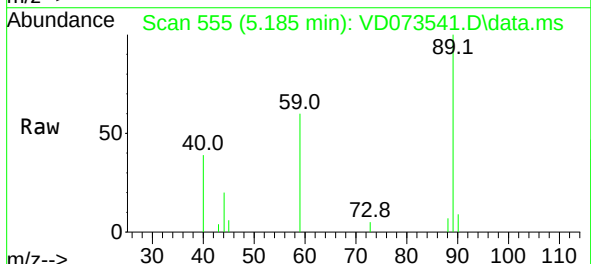
Acq: 13 Jun 2022 12:46

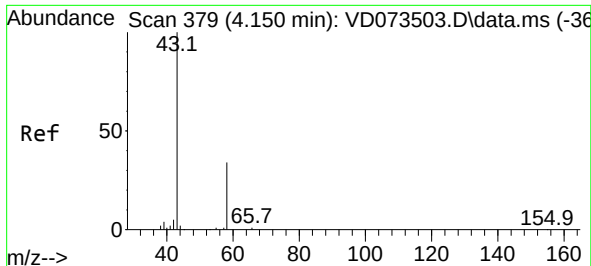
Tgt Ion: 59 Resp: 8954

Ion Ratio Lower Upper

59 100

57 0.6 7.8 11.6#

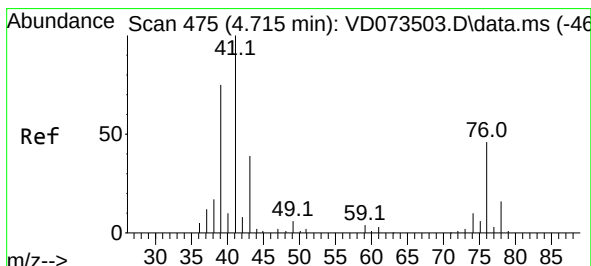
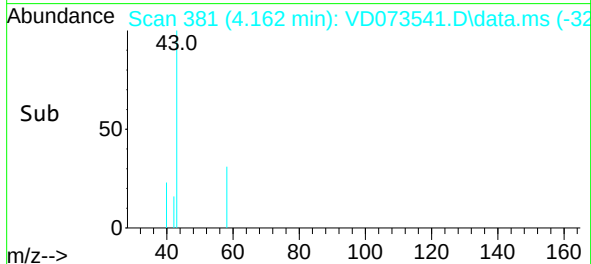
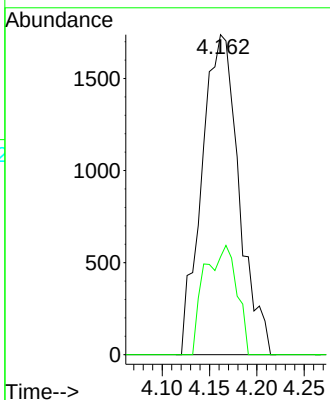
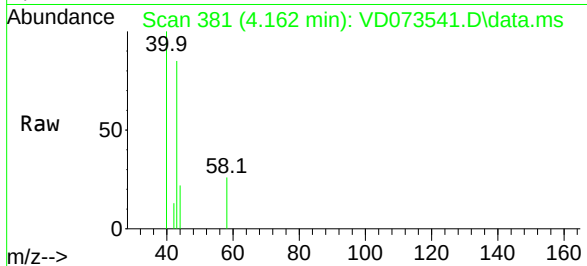




#16
Acetone
Concen: 11.554 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

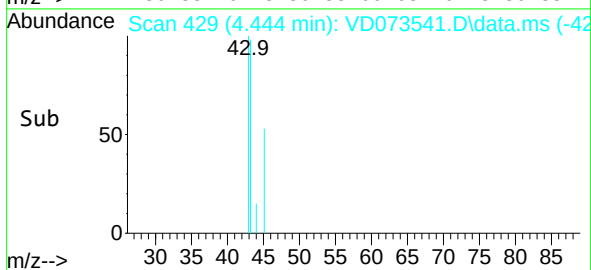
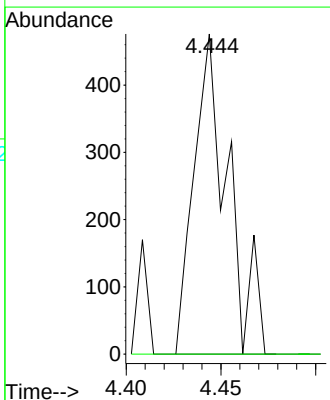
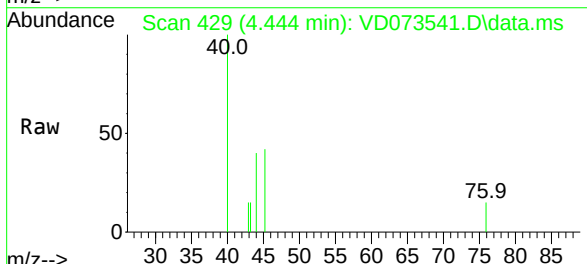
Instrument :
MSVOA_D
ClientSampleId :
CR-1

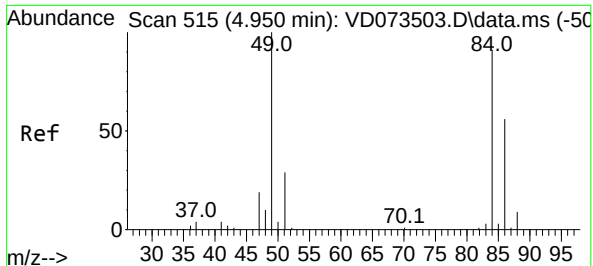
Tgt Ion: 43 Resp: 4752
Ion Ratio Lower Upper
43 100
58 30.6 22.1 33.1



#18
Methyl Acetate
Concen: 1.870 ug/l
RT: 4.444 min Scan# 429
Delta R.T. -0.271 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

Tgt Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 2.743 ug/l

RT: 4.956 min Scan# 515

Delta R.T. 0.006 min

Lab File: VD073541.D

Acq: 13 Jun 2022 12:46

Instrument :

MSVOA_D

ClientSampleId :

CR-1

Tgt Ion: 84 Resp: 15027

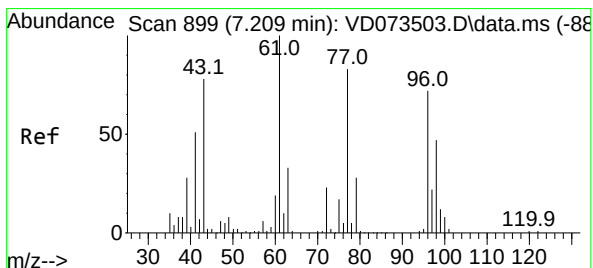
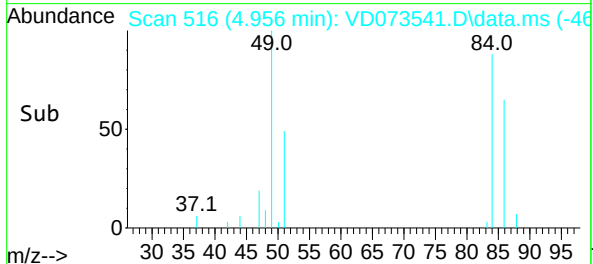
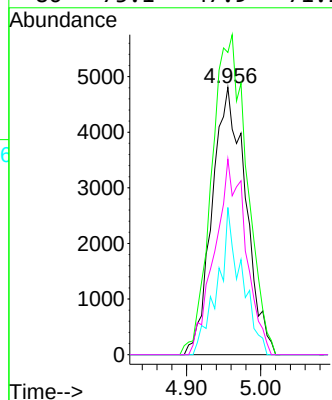
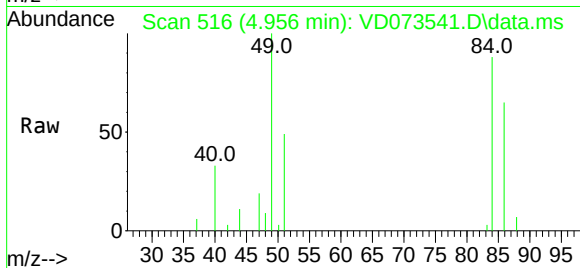
Ion Ratio Lower Upper

84 100

49 113.0 112.8 169.2

51 55.0 32.6 48.8#

86 73.1 47.9 71.9#



#25

2-Butanone

Concen: 1.300 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.005 min

Lab File: VD073541.D

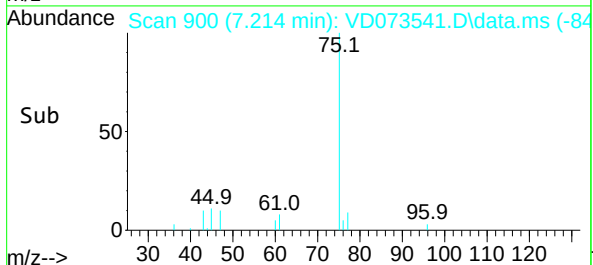
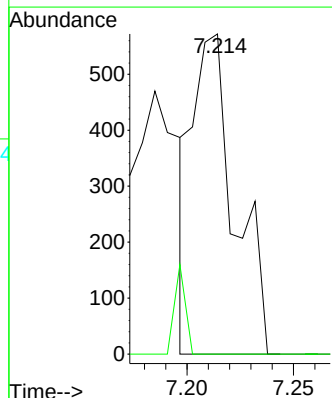
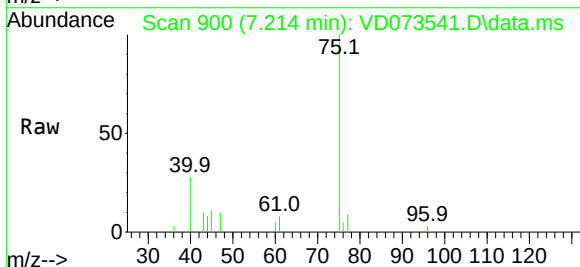
Acq: 13 Jun 2022 12:46

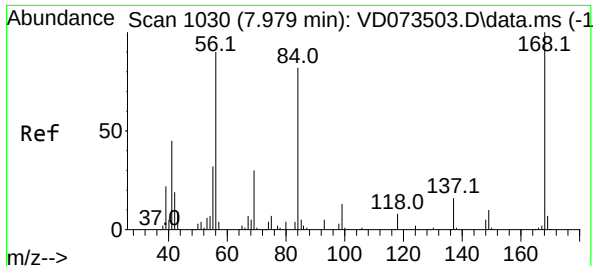
Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

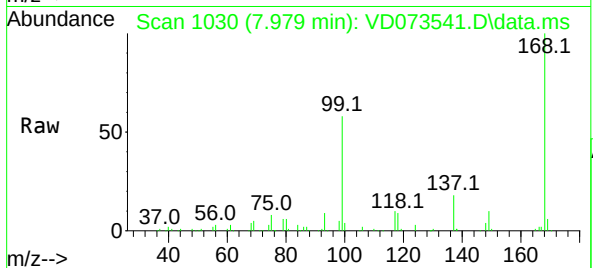
72 0.0 18.6 27.8#



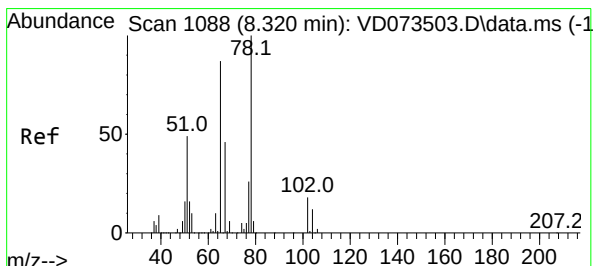
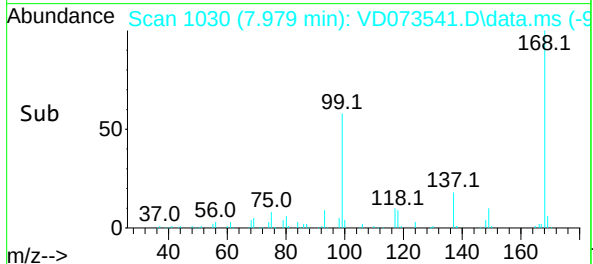
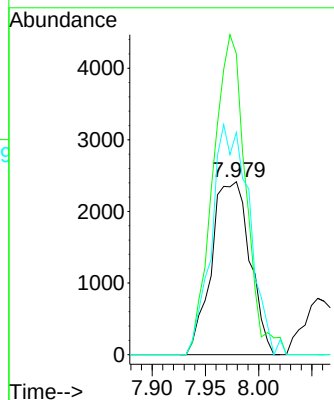


#31
Cyclohexane
Concen: 1.542 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

Instrument :
MSVOA_D
ClientSampleId :
CR-1

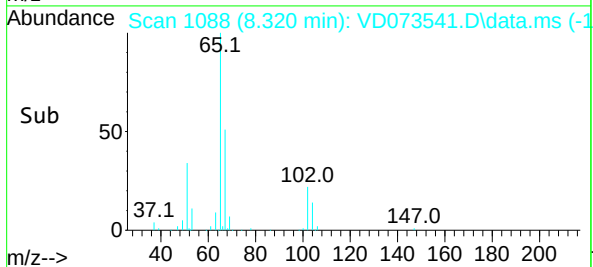
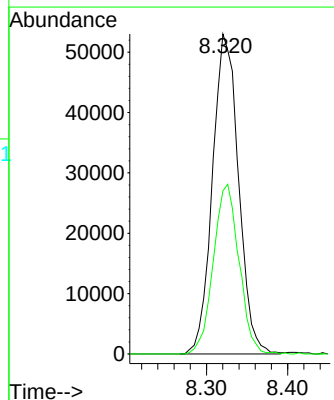
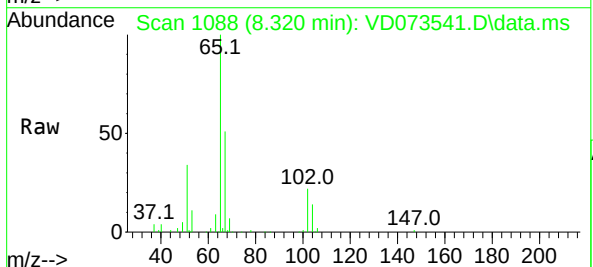


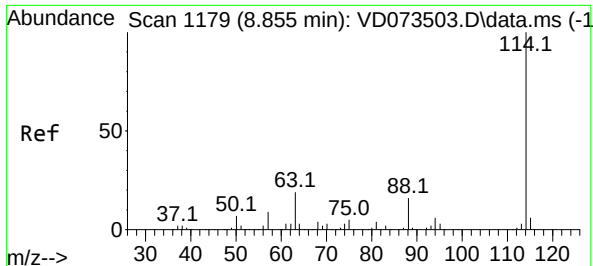
Tgt Ion: 56 Resp: 6067
Ion Ratio Lower Upper
56 100
69 174.0 25.4 38.2#
84 128.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 50.661 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

Tgt Ion: 65 Resp: 118336
Ion Ratio Lower Upper
65 100
67 52.1 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: VD073541.D

Acq: 13 Jun 2022 12:46

Instrument :

MSVOA_D

ClientSampleId :

CR-1

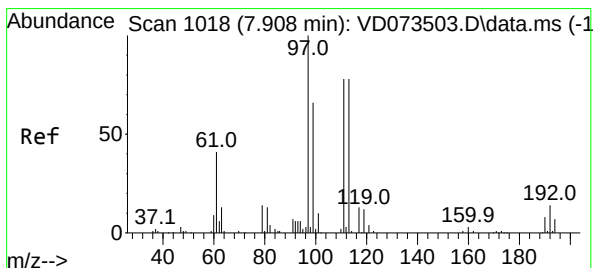
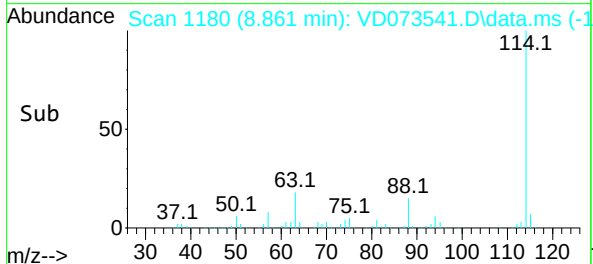
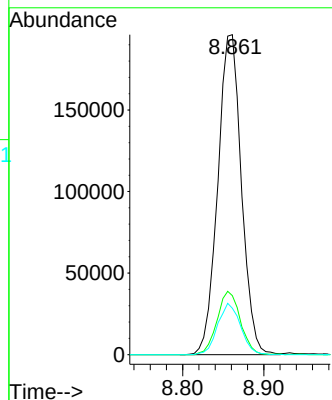
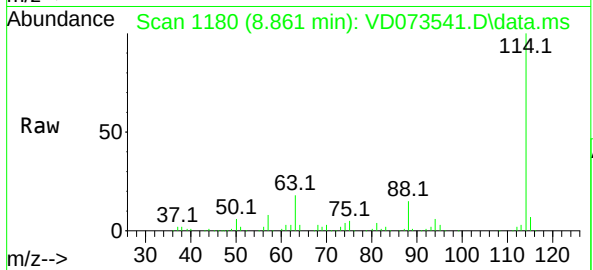
Tgt Ion:114 Resp: 397638

Ion Ratio Lower Upper

114 100

63 18.5 0.0 46.6

88 14.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.347 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073541.D

Acq: 13 Jun 2022 12:46

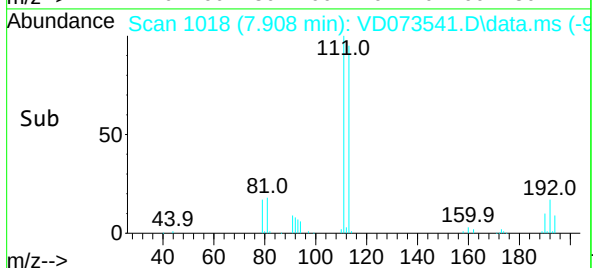
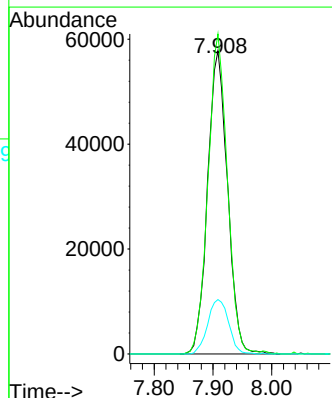
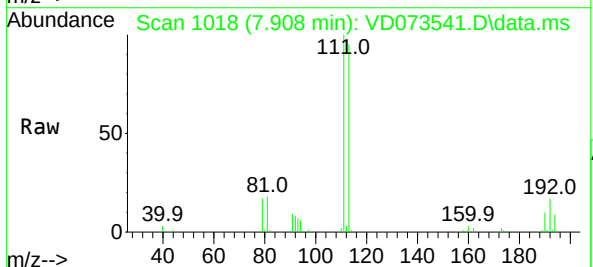
Tgt Ion:113 Resp: 136407

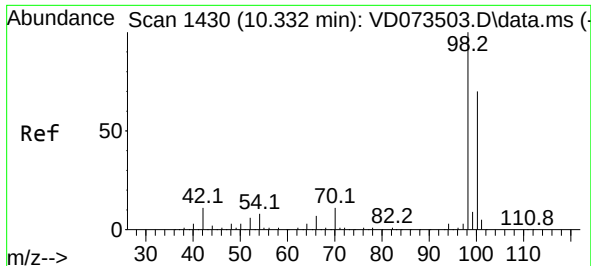
Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 18.8 14.6 21.8

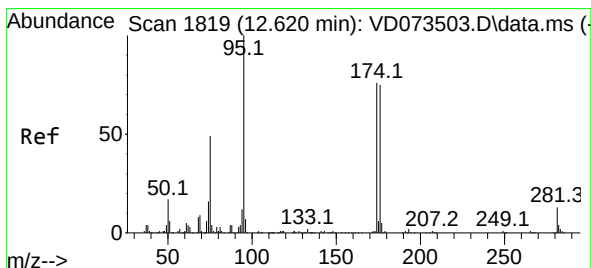
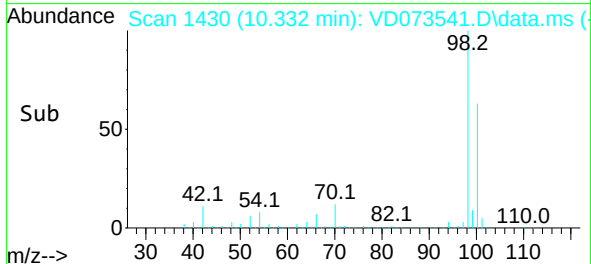
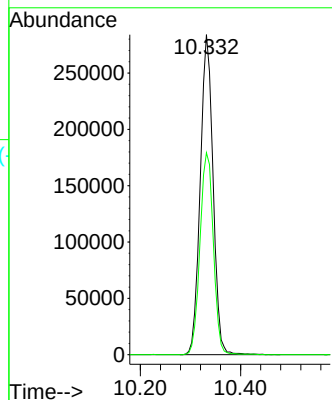
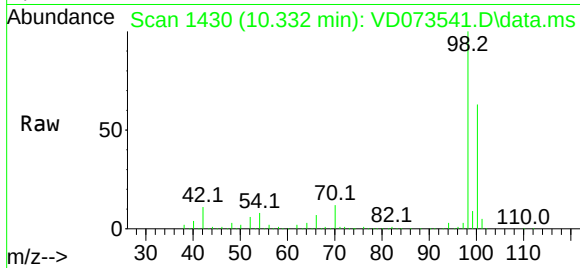




#50
Toluene-d8
Concen: 52.043 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

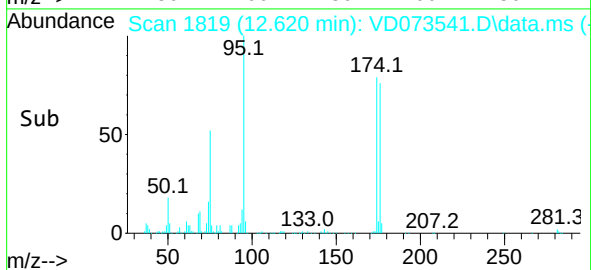
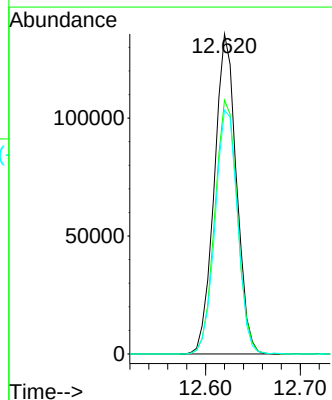
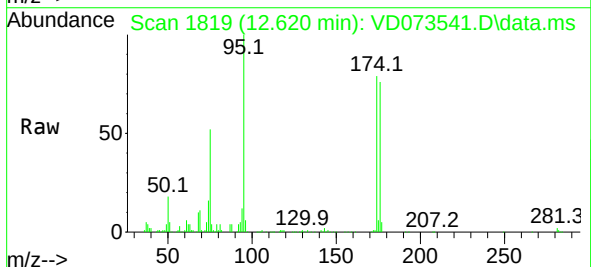
Instrument :
MSVOA_D
ClientSampleId :
CR-1

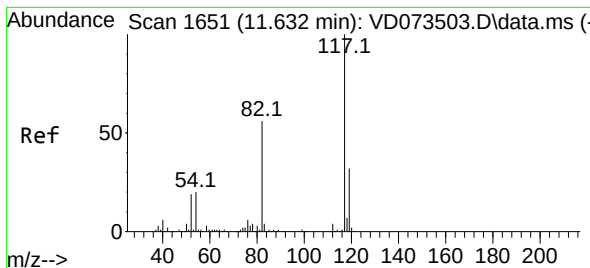
Tgt Ion: 98 Resp: 503135
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 62.753 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

Tgt Ion: 95 Resp: 220238
Ion Ratio Lower Upper
95 100
174 80.8 0.0 152.8
176 77.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD073541.D

Acq: 13 Jun 2022 12:46

Instrument :

MSVOA_D

ClientSampleId :

CR-1

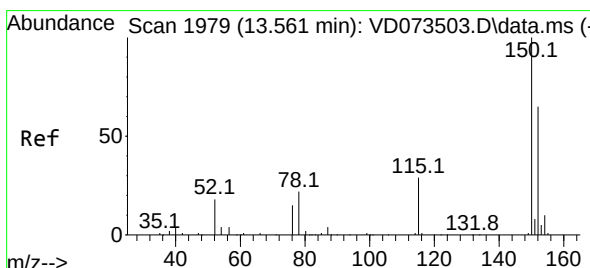
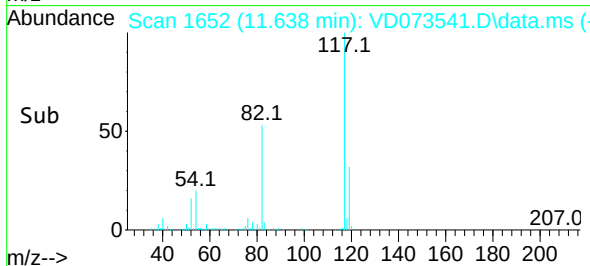
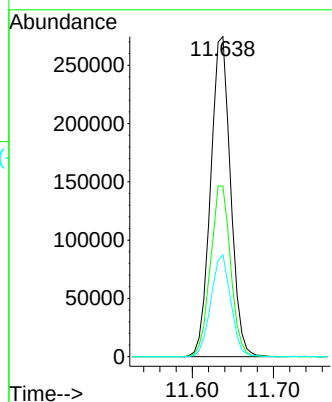
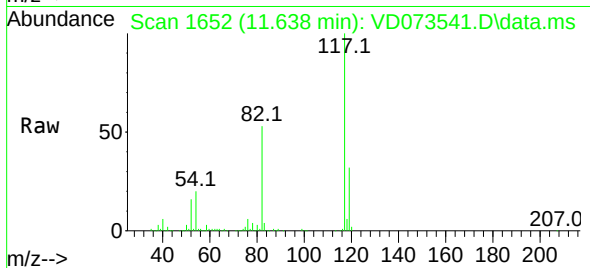
Tgt Ion:117 Resp: 468859

Ion Ratio Lower Upper

117 100

82 53.3 45.3 67.9

119 31.9 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: VD073541.D

Acq: 13 Jun 2022 12:46

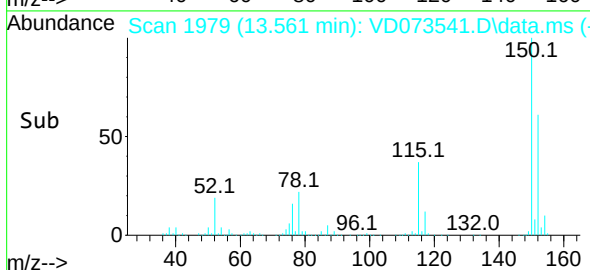
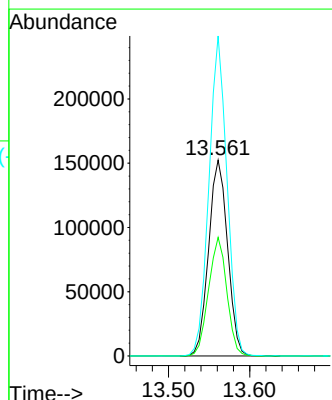
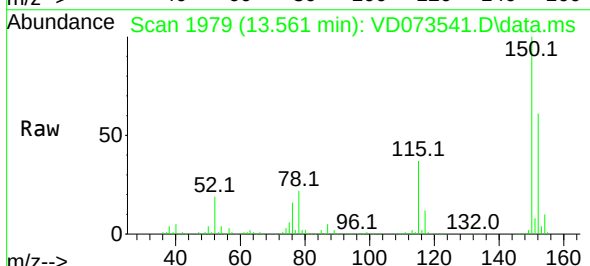
Tgt Ion:152 Resp: 247183

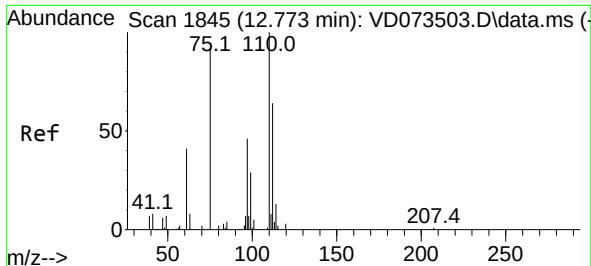
Ion Ratio Lower Upper

152 100

115 58.2 31.3 93.8

150 155.3 0.0 348.6

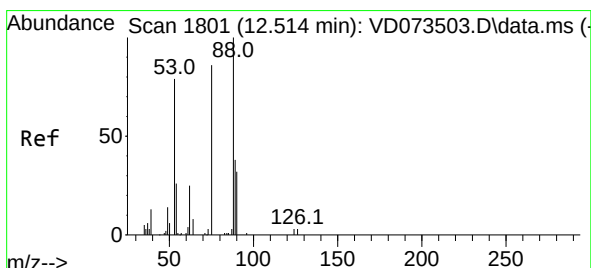
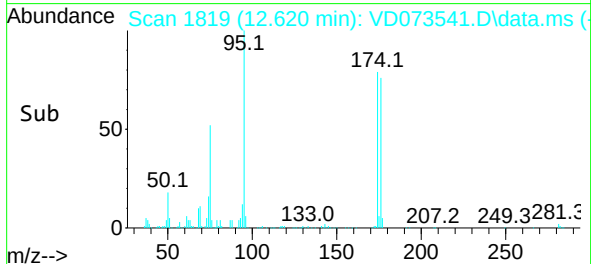
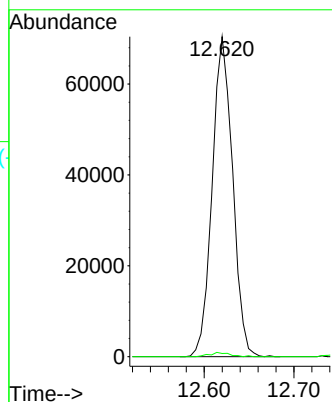
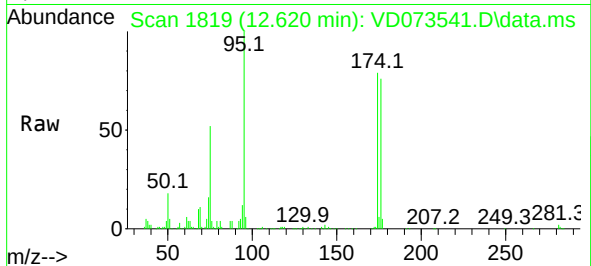




#76
1,2,3-Trichloropropane
Concen: 46.301 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

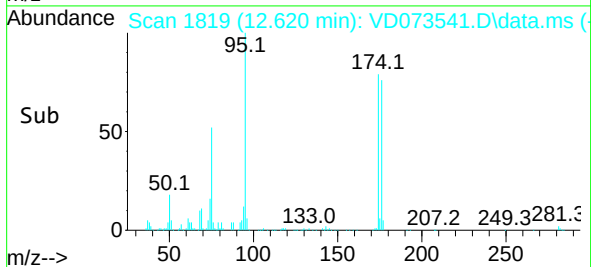
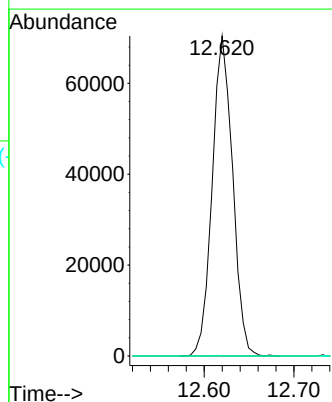
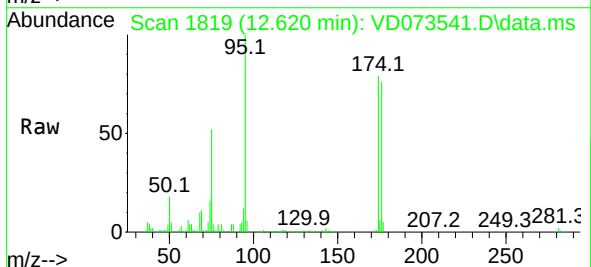
Instrument :
MSVOA_D
ClientSampleId :
CR-1

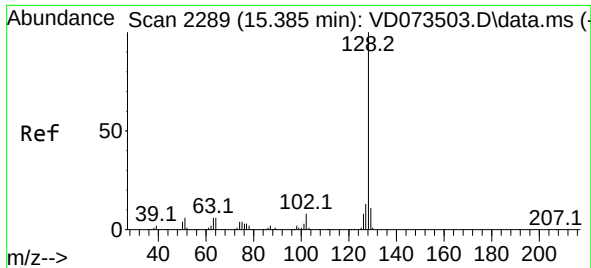
Tgt Ion: 75 Resp: 111181
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.675 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

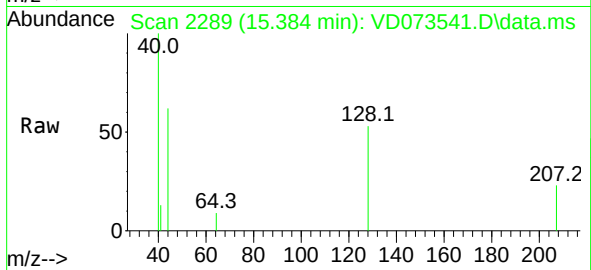
Tgt Ion: 75 Resp: 111181
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 4.365 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD073541.D
Acq: 13 Jun 2022 12:46

Instrument :
MSVOA_D
ClientSampleId :
CR-1



Tgt Ion:128 Resp: 1570
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.9 8.4 12.6#

