

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073579.D
 Acq On : 14 Jun 2022 20:02
 Operator : VA/SY
 Sample : N3331-02
 Misc : 8.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-220(26-28)

Quant Time: Jun 15 01:38:32 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)

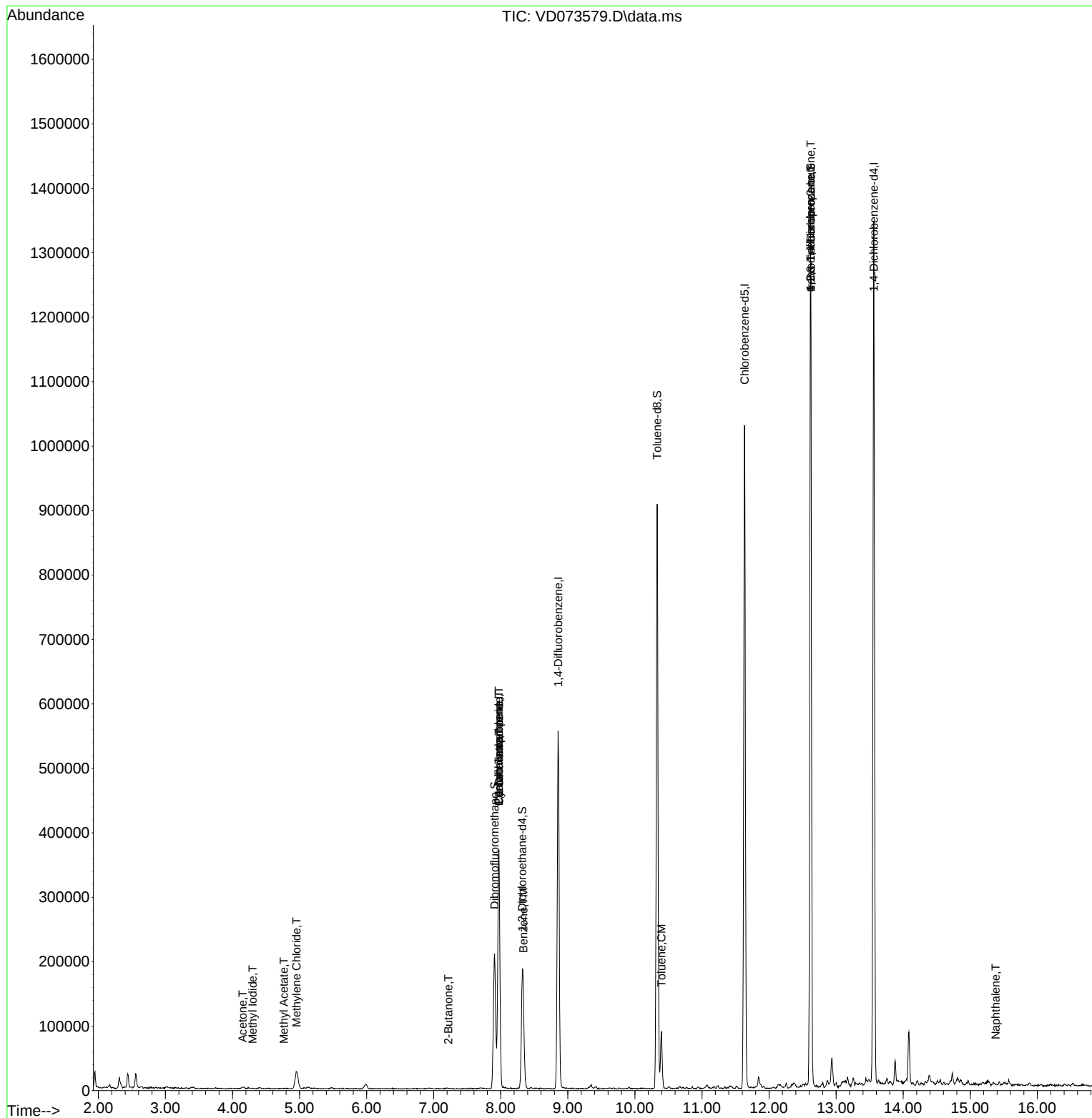
Internal Standards						
1) Pentafluorobenzene	7.973	168	269007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	477444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	623375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	350099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	131227	45.457	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.920%
35) Dibromofluoromethane	7.908	113	157268	51.225	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.440%
50) Toluene-d8	10.332	98	615404	53.016	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.040%
62) 4-Bromofluorobenzene	12.620	95	334676	79.421	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	158.840%#
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	222	4.234	ug/l #	38
11) Tert butyl alcohol	5.203	59	687	Below Cal	#	74
16) Acetone	4.150	43	5201	10.232	ug/l	98
18) Methyl Acetate	4.767	43	525	1.726	ug/l #	55
20) Methylene Chloride	4.956	84	21667	3.783	ug/l #	75
25) 2-Butanone	7.220	43	887	1.186	ug/l #	52
31) Cyclohexane	7.973	56	6058	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	21093	4.574	ug/l #	52
38) Carbon Tetrachloride	7.973	117	27065	5.611	ug/l #	17
40) Benzene	8.338	78	48001	3.579	ug/l	98
52) Toluene	10.396	92	36732	4.270	ug/l	95
76) 1,2,3-Trichloropropane	12.620	75	164838	48.466	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	164838	113.759	ug/l #	7
95) Naphthalene	15.379	128	1693	4.326	ug/l #	93

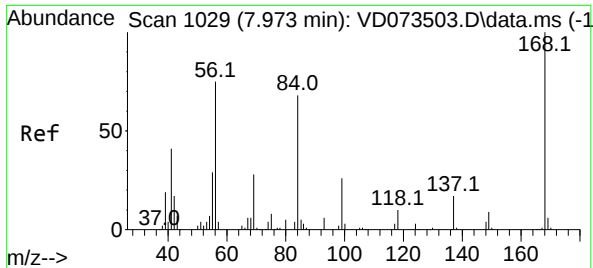
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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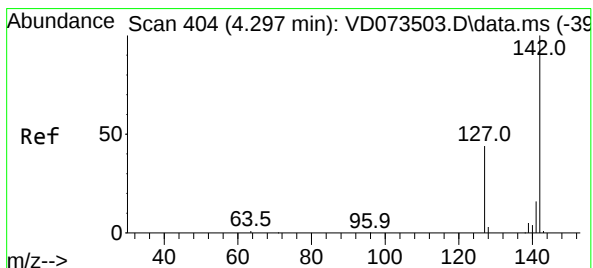
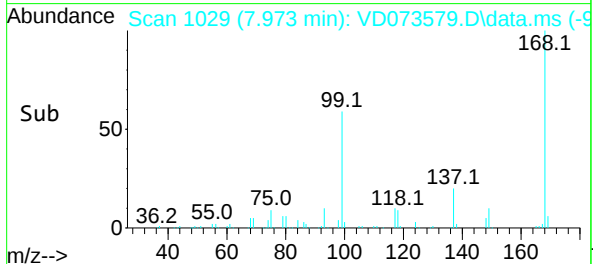
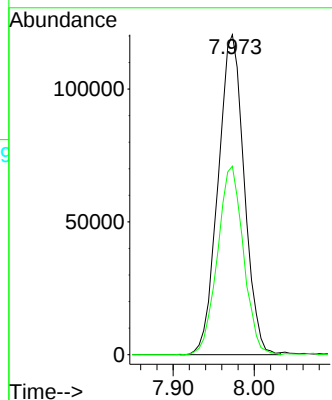
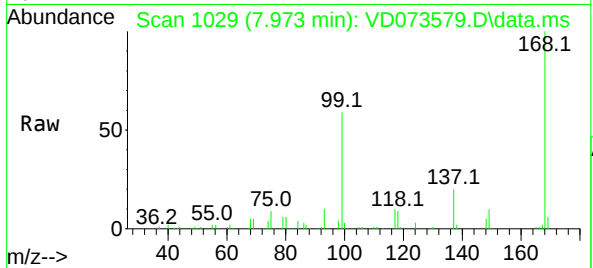




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

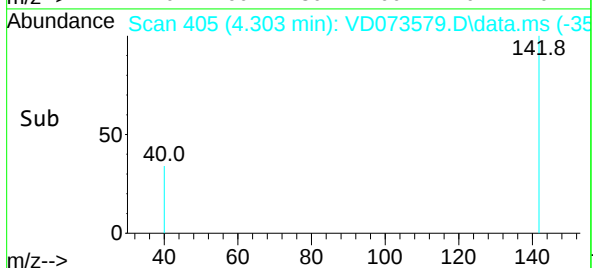
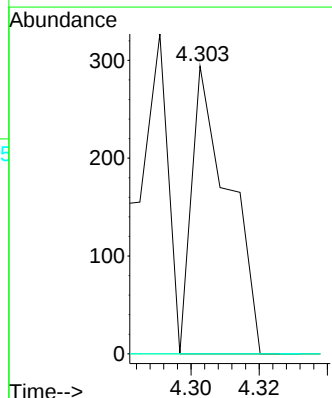
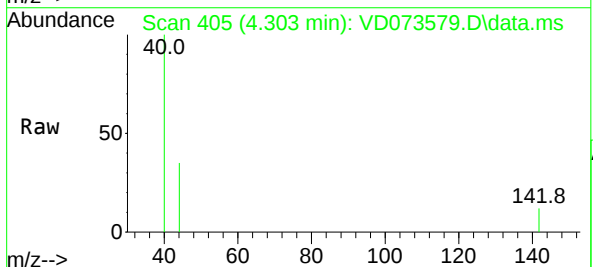
Instrument :
MSVOA_D
ClientSampleId :
B-220(26-28)

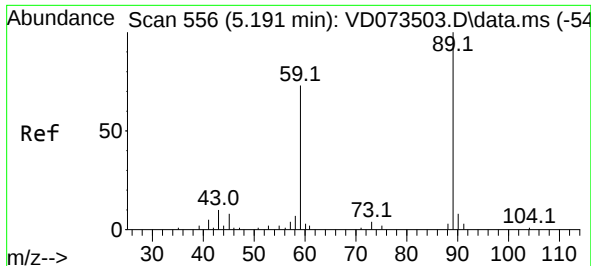
Tgt Ion:168 Resp: 269007
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#10
Methyl Iodide
Concen: 4.234 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Tgt Ion:142 Resp: 222
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: 5.203 min Scan# 5

Delta R.T. 0.012 min

Lab File: VD073579.D

Acq: 14 Jun 2022 20:02

Instrument :

MSVOA_D

ClientSampleId :

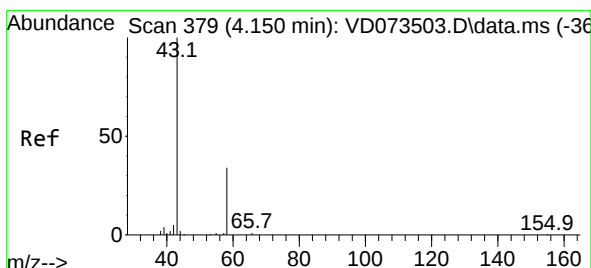
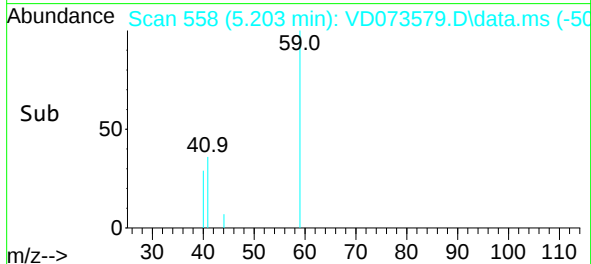
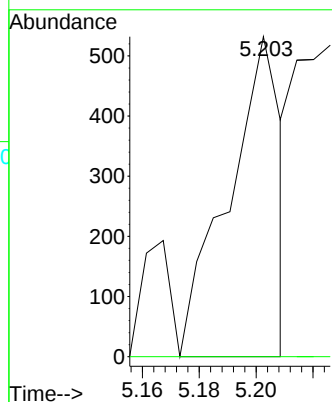
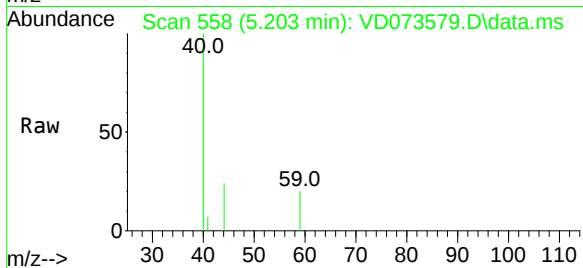
B-220(26-28)

Tgt Ion: 59 Resp: 687

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 10.232 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.000 min

Lab File: VD073579.D

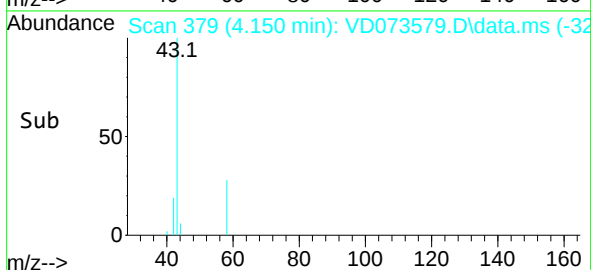
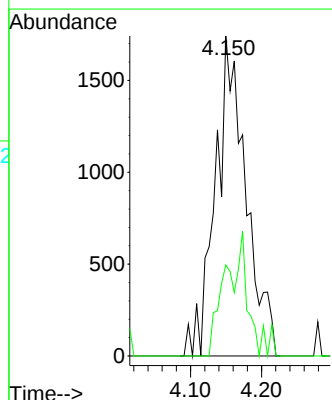
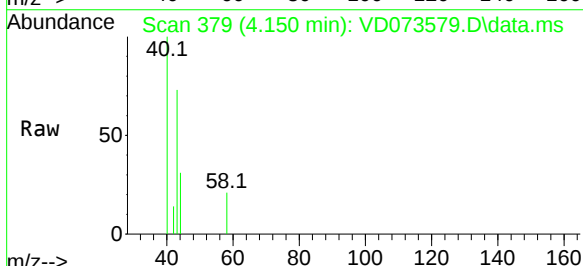
Acq: 14 Jun 2022 20:02

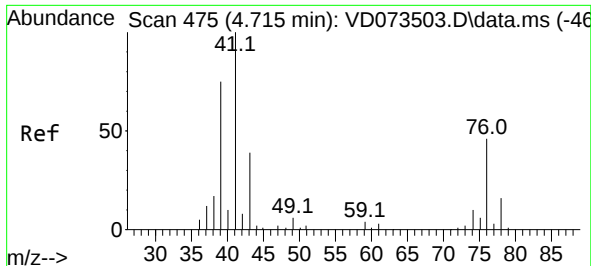
Tgt Ion: 43 Resp: 5201

Ion Ratio Lower Upper

43 100

58 28.4 22.1 33.1

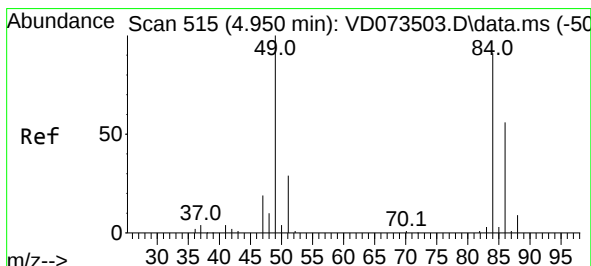
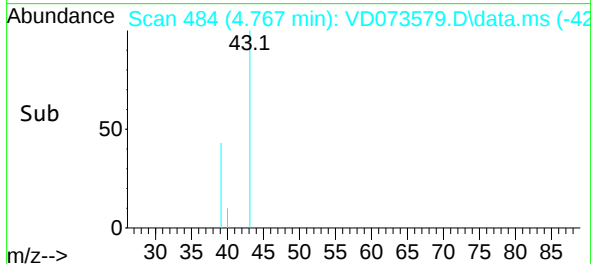
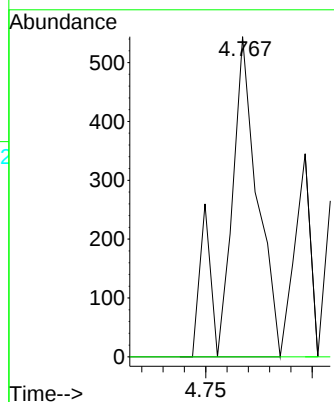
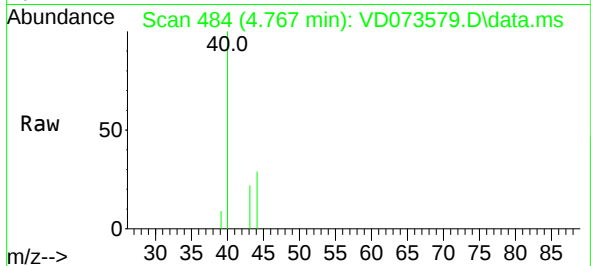




#18
Methyl Acetate
Concen: 1.726 ug/l
RT: 4.767 min Scan# 41
Delta R.T. 0.052 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

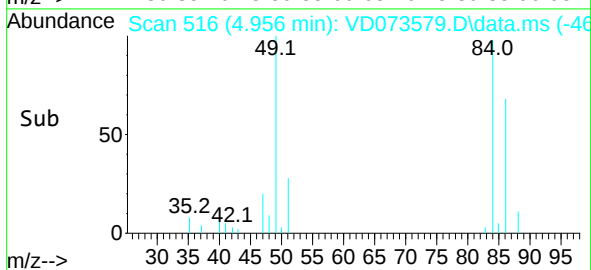
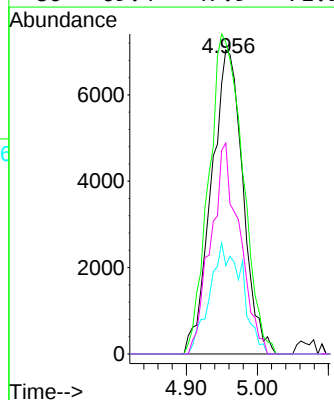
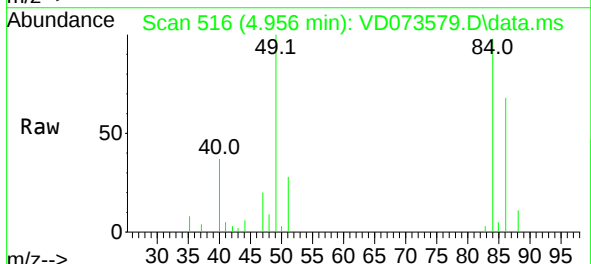
Instrument :
MSVOA_D
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B-220(26-28)

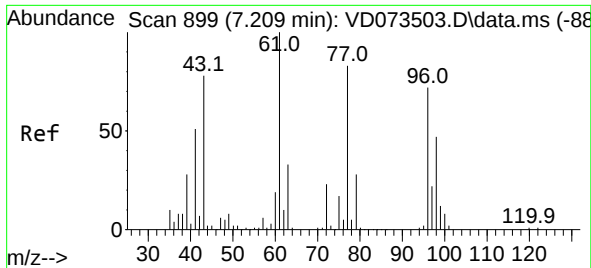
Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 3.783 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Tgt Ion: 84 Resp: 21667
Ion Ratio Lower Upper
84 100
49 102.5 112.8 169.2#
51 29.1 32.6 48.8#
86 69.4 47.9 71.9

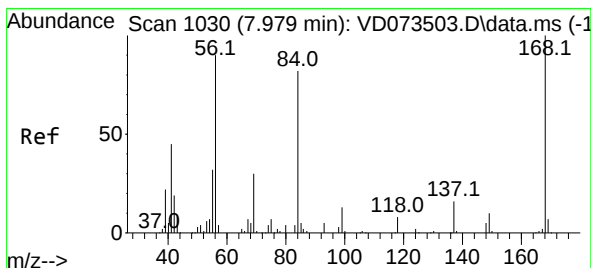
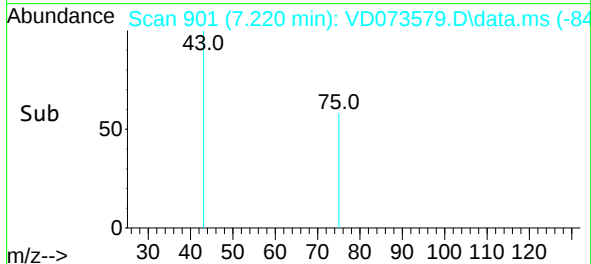
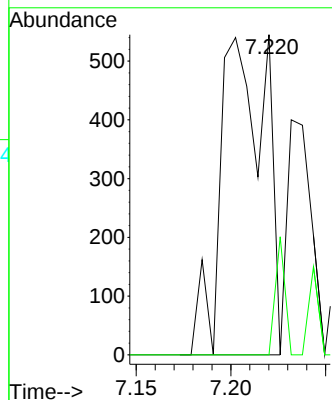
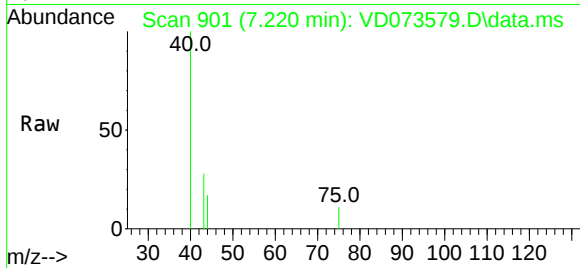




#25
2-Butanone
Concen: 1.186 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

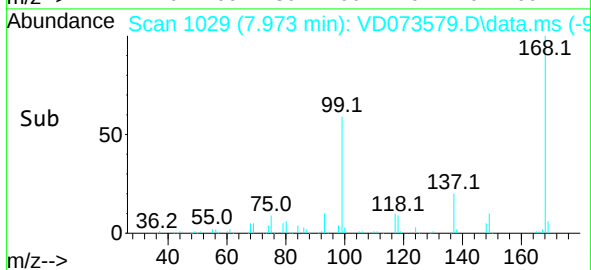
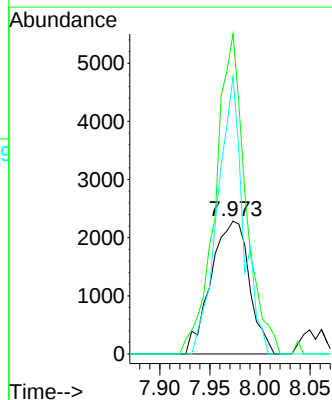
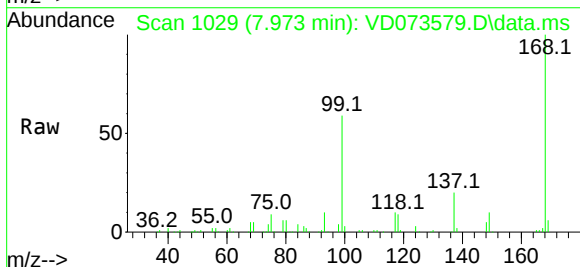
Instrument :
MSVOA_D
ClientSampleId :
B-220(26-28)

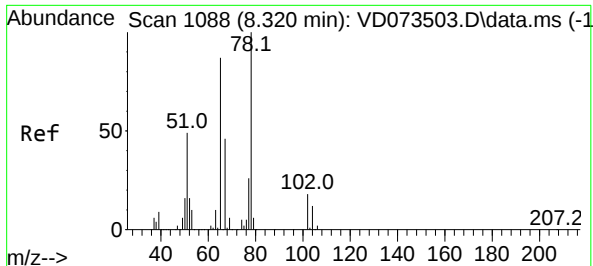
Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Tgt Ion: 56 Resp: 6058
Ion Ratio Lower Upper
56 100
69 240.9 25.4 38.2#
84 208.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.457 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073579.D

Acq: 14 Jun 2022 20:02

Instrument :

MSVOA_D

ClientSampleId :

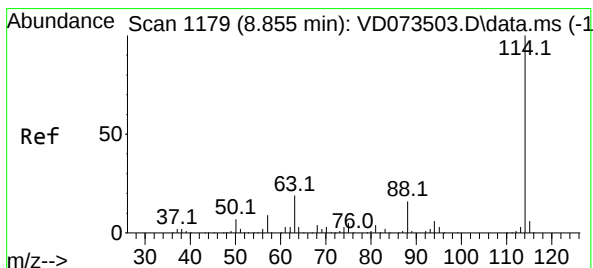
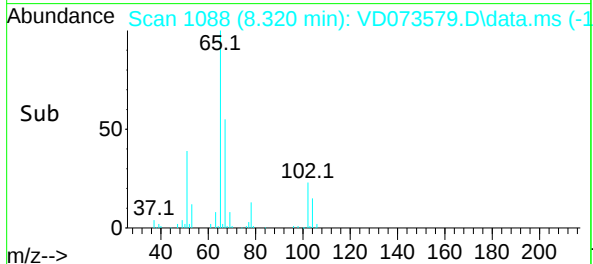
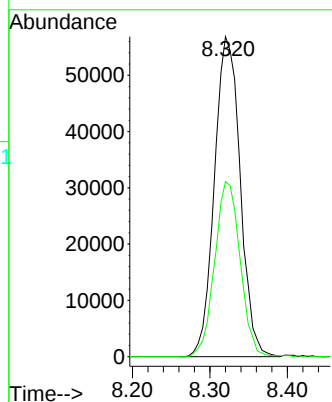
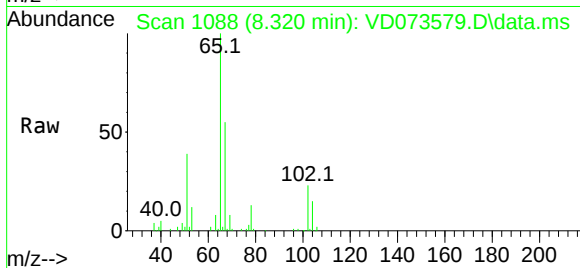
B-220(26-28)

Tgt Ion: 65 Resp: 131227

Ion Ratio Lower Upper

65 100

67 54.2 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: VD073579.D

Acq: 14 Jun 2022 20:02

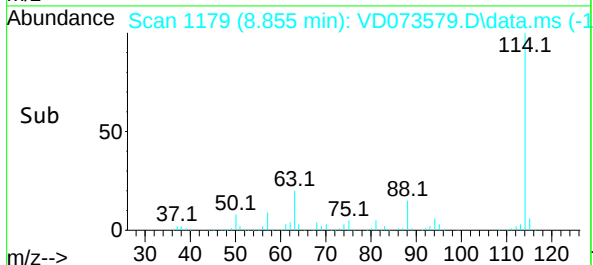
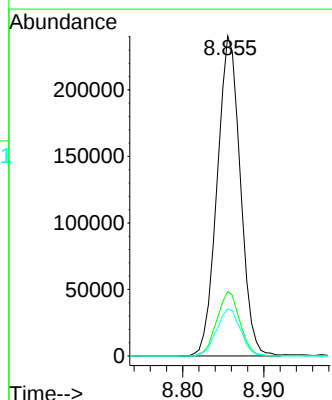
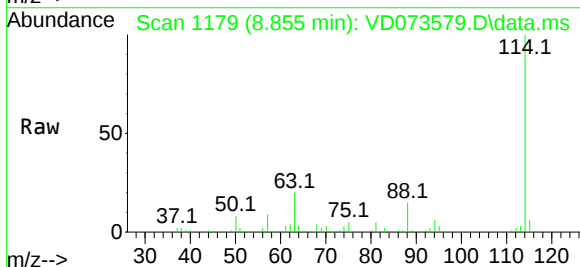
Tgt Ion: 114 Resp: 477444

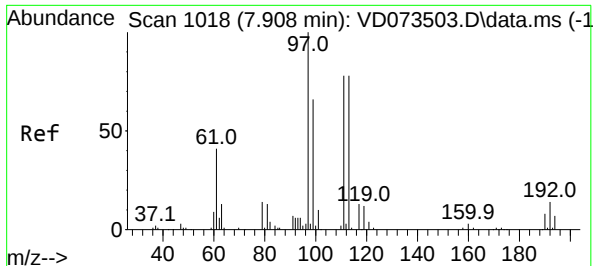
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 14.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.225 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073579.D

Acq: 14 Jun 2022 20:02

Instrument :

MSVOA_D

ClientSampleId :

B-220(26-28)

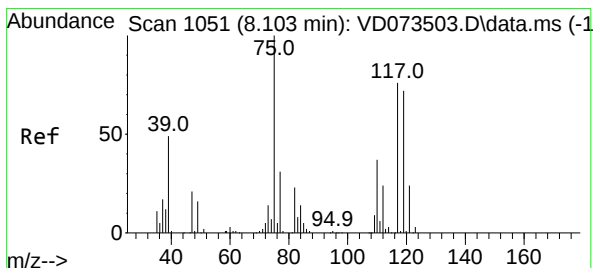
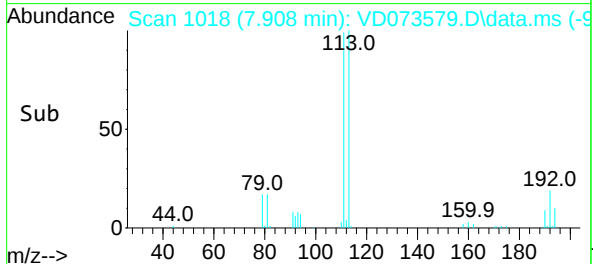
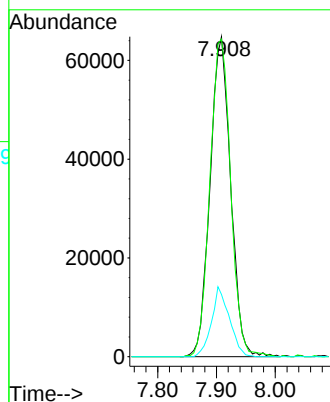
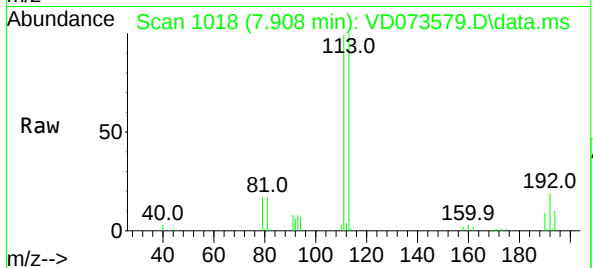
Tgt Ion:113 Resp: 157268

Ion Ratio Lower Upper

113 100

111 100.3 83.8 125.6

192 19.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.574 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073579.D

Acq: 14 Jun 2022 20:02

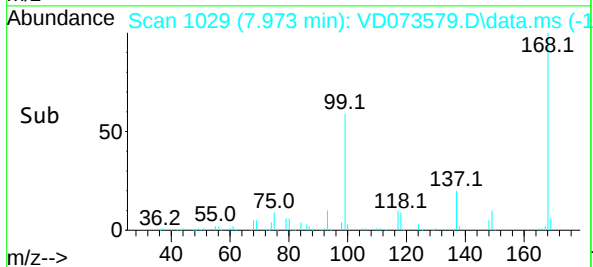
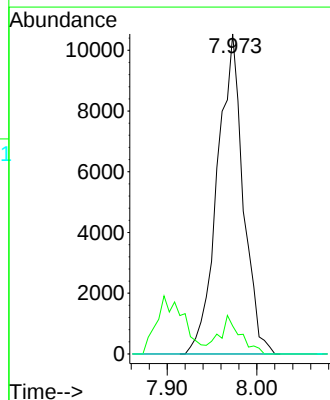
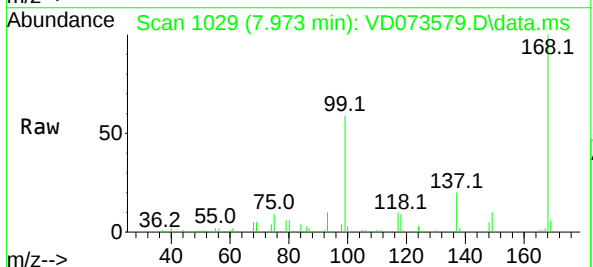
Tgt Ion: 75 Resp: 21093

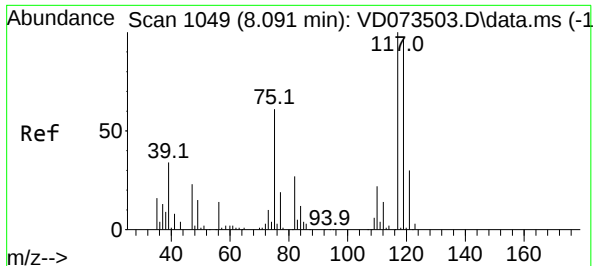
Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

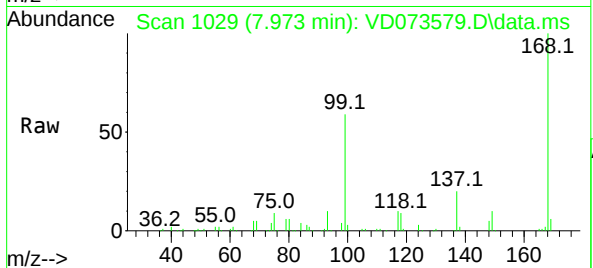
77 0.0 24.2 36.2#



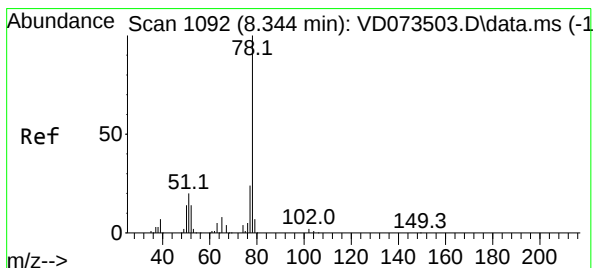
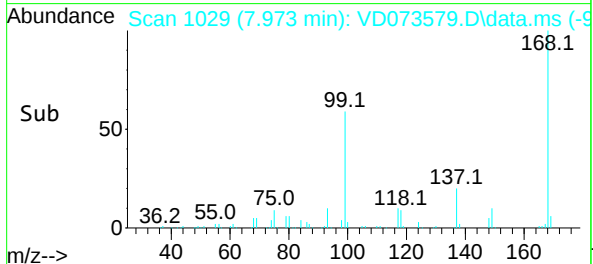
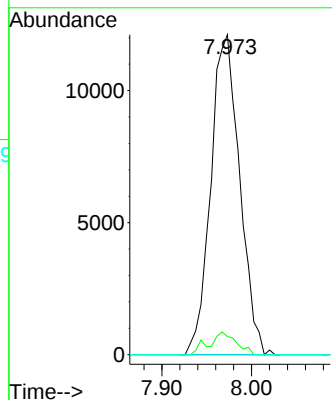


#38
Carbon Tetrachloride
Concen: 5.611 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Instrument :
MSVOA_D
ClientSampleId :
B-220(26-28)

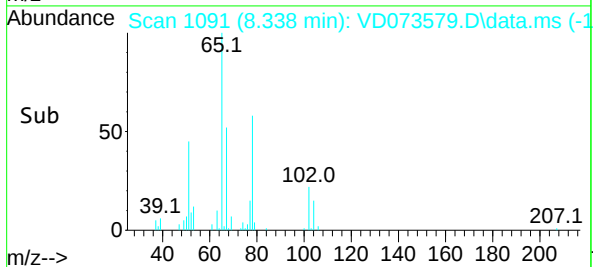
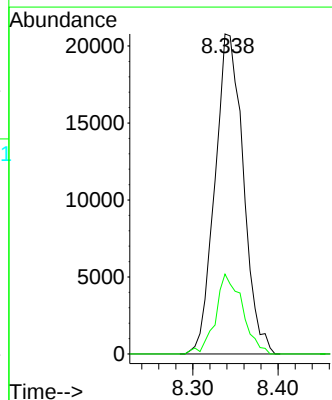
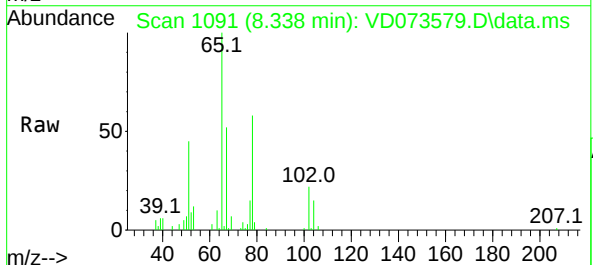


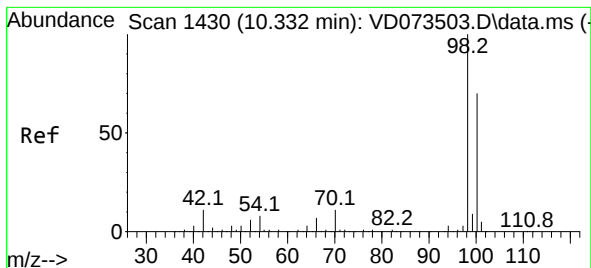
Tgt Ion:117 Resp: 27065
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 3.579 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Tgt Ion: 78 Resp: 48001
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7





#50

Toluene-d8

Concen: 53.016 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073579.D

Acq: 14 Jun 2022 20:02

Instrument :

MSVOA_D

ClientSampleId :

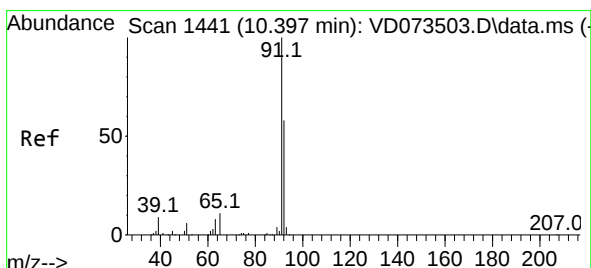
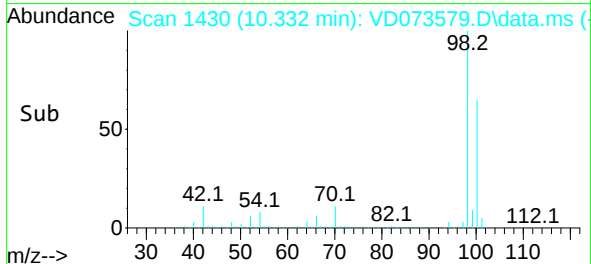
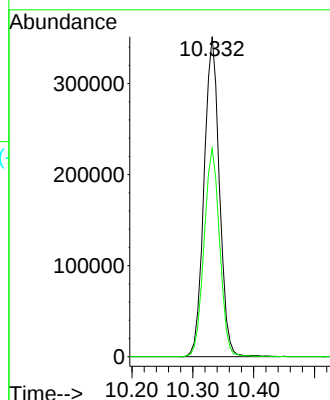
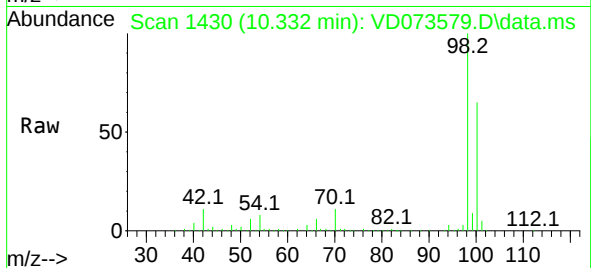
B-220(26-28)

Tgt Ion: 98 Resp: 615404

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6



#52

Toluene

Concen: 4.270 ug/l

RT: 10.396 min Scan# 1441

Delta R.T. -0.001 min

Lab File: VD073579.D

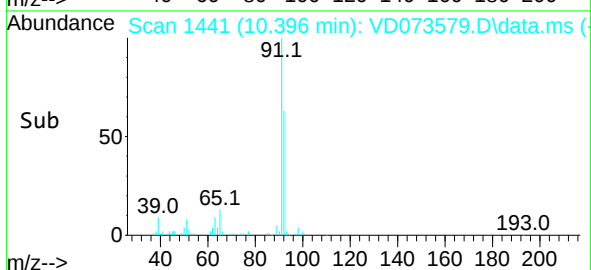
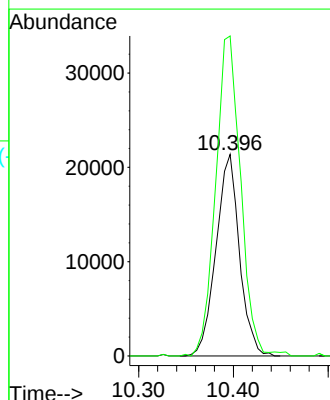
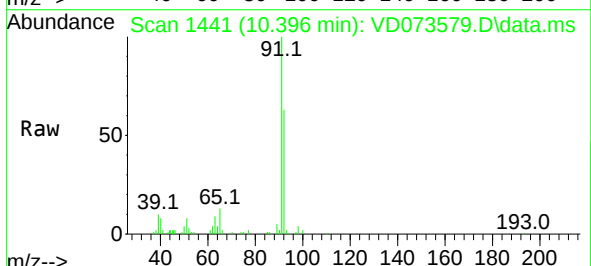
Acq: 14 Jun 2022 20:02

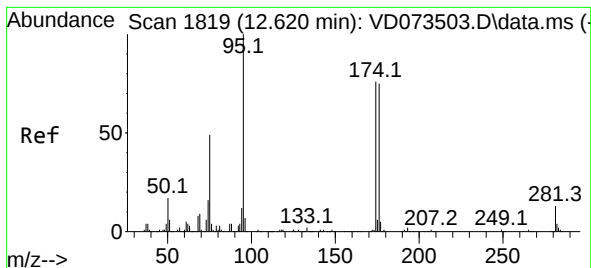
Tgt Ion: 92 Resp: 36732

Ion Ratio Lower Upper

92 100

91 168.0 139.6 209.4

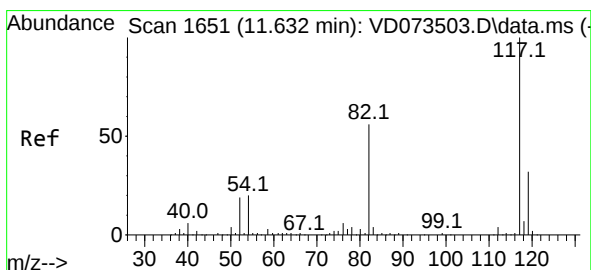
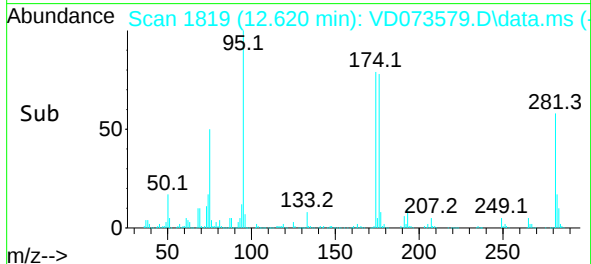
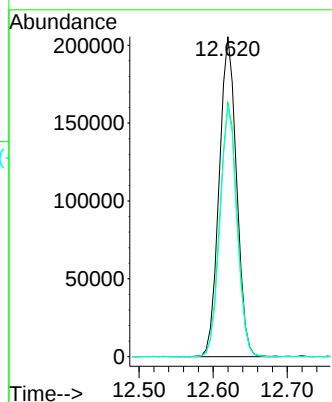
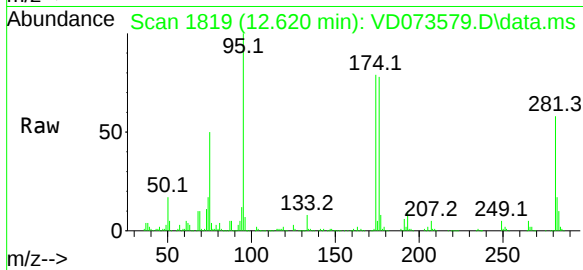




#62
4-Bromofluorobenzene
Concen: 79.421 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

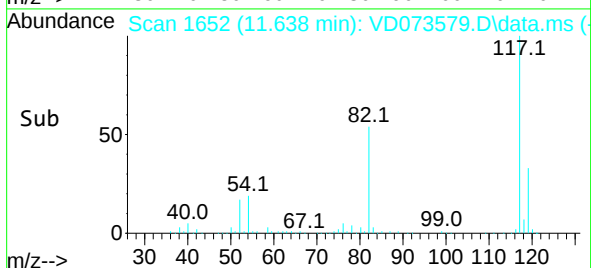
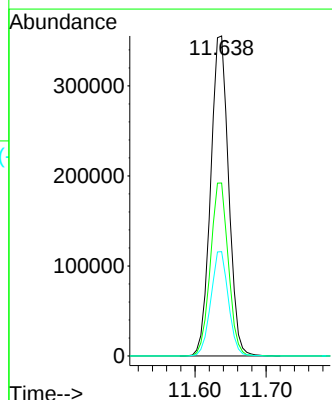
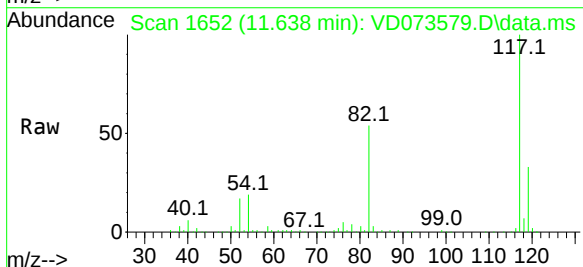
Instrument :
MSVOA_D
ClientSampleId :
B-220(26-28)

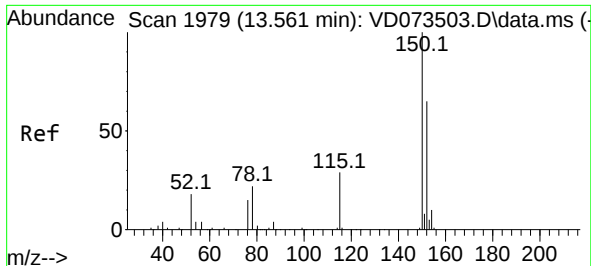
Tgt Ion: 95 Resp: 334676
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 76.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Tgt Ion: 117 Resp: 623375
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 32.6 26.6 40.0

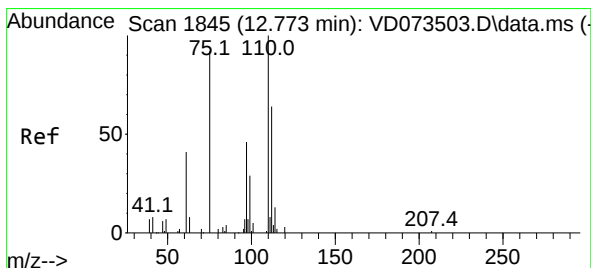
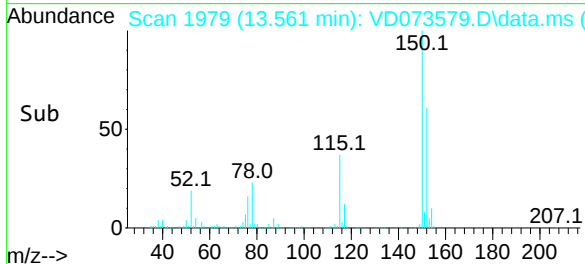
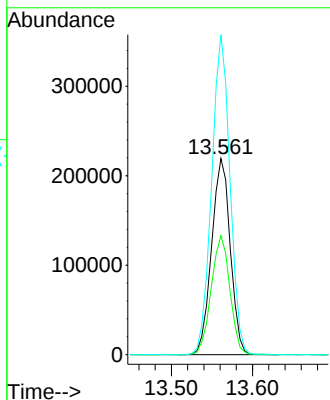
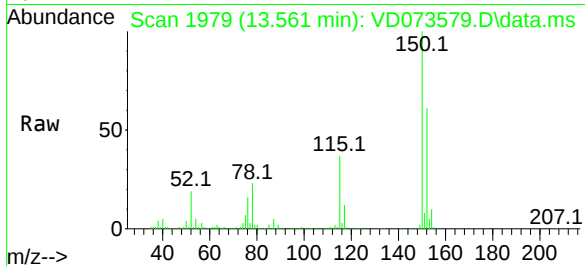




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: VD073579.D
 Acq: 14 Jun 2022 20:02

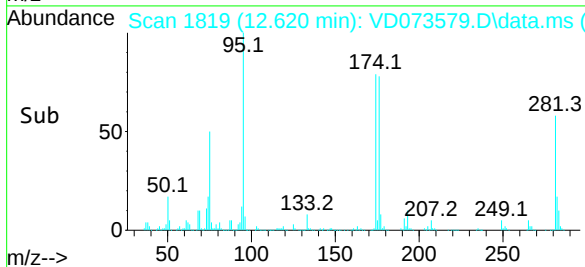
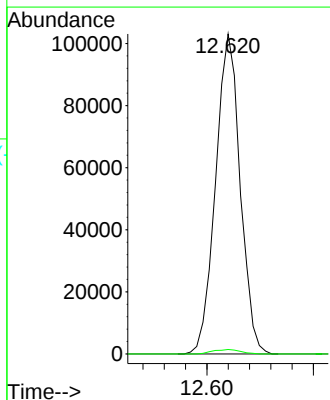
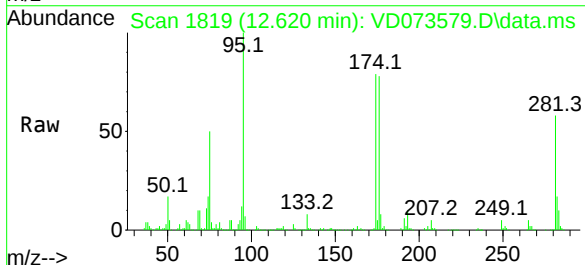
Instrument :
 MSVOA_D
 ClientSampleId :
 B-220(26-28)

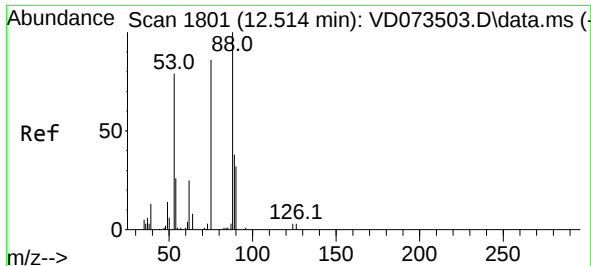
Tgt Ion:152 Resp: 350099
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.3 93.8
 150 159.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.466 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073579.D
 Acq: 14 Jun 2022 20:02

Tgt Ion: 75 Resp: 164838
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

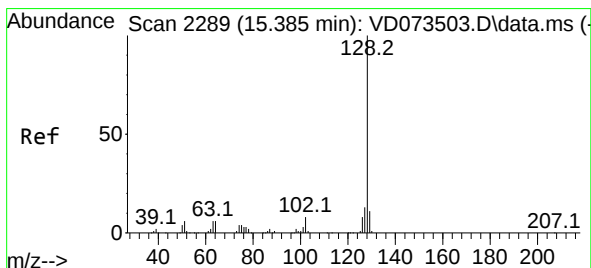
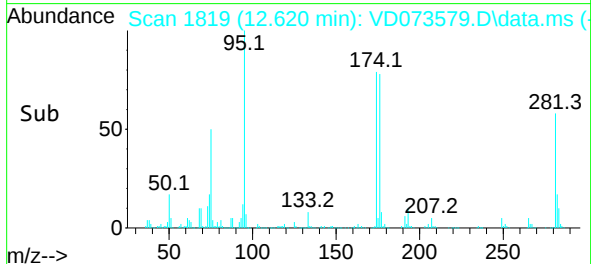
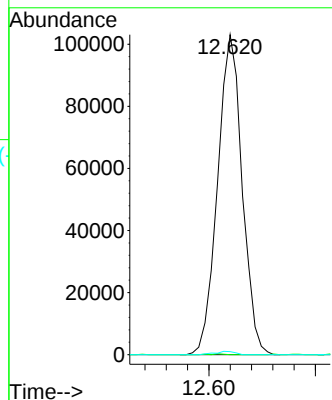
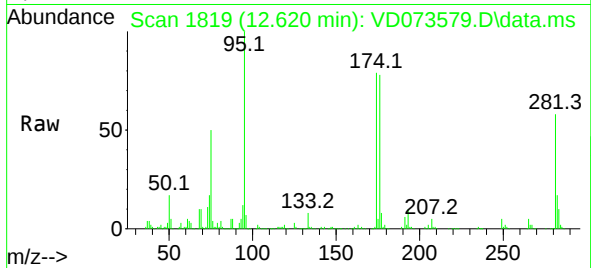




#81
trans-1,4-Dichloro-2-butene
Concen: 113.759 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Instrument :
MSVOA_D
ClientSampleId :
B-220(26-28)

Tgt Ion: 75 Resp: 164838
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.8 33.9 50.9#



#95
Naphthalene
Concen: 4.326 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073579.D
Acq: 14 Jun 2022 20:02

Tgt Ion: 128 Resp: 1693
Ion Ratio Lower Upper
128 100
127 16.2 10.3 15.5#
129 8.6 8.4 12.6

