

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073151.D
 Acq On : 19 May 2022 21:15
 Operator : VA/SY
 Sample : N2856-01
 Misc : 3.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-051322

Quant Time: May 20 01:51:09 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)

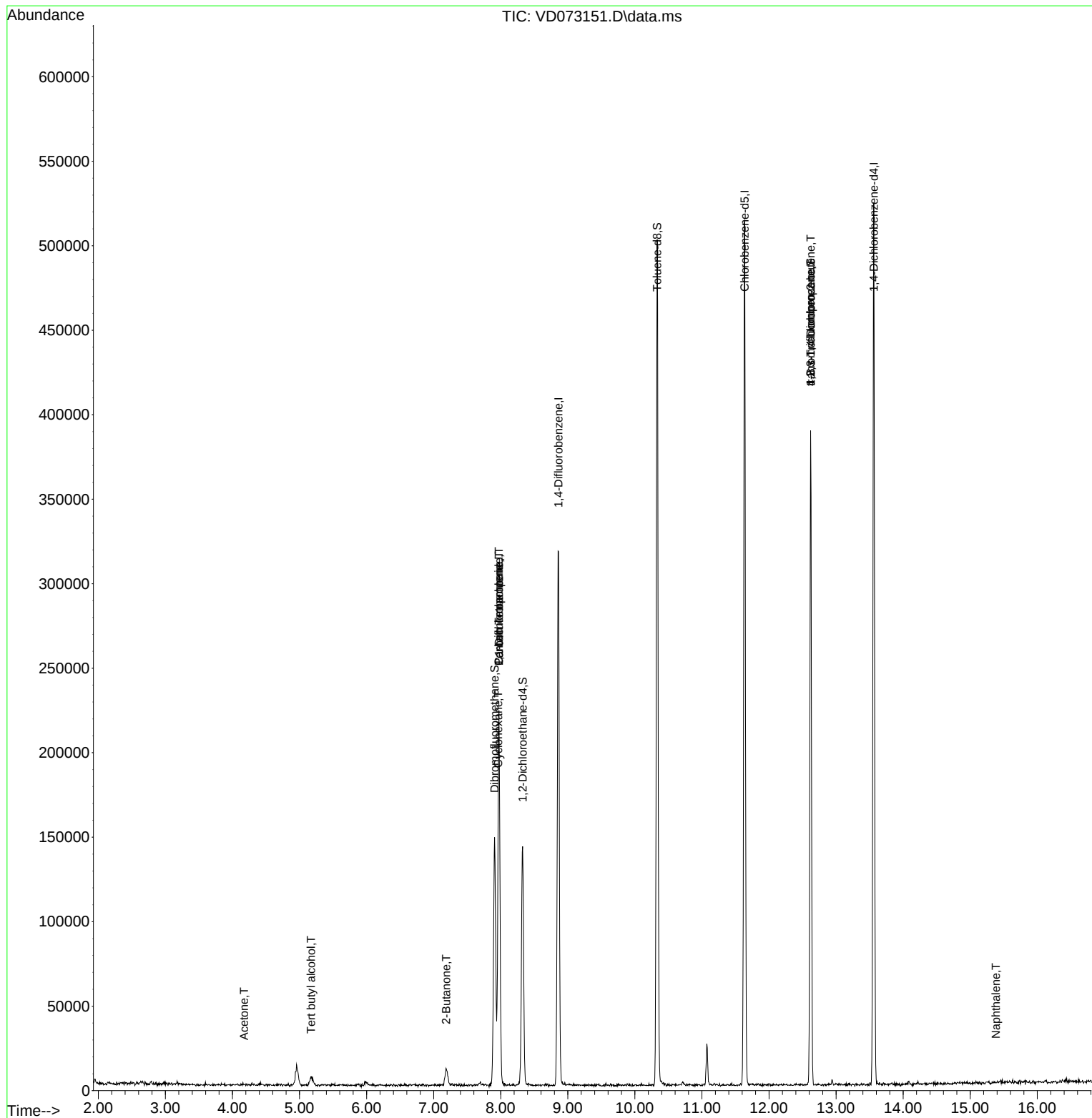
Internal Standards						
1) Pentafluorobenzene	7.973	168	154544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	270820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	295890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	137517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	113791	66.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.260%			
35) Dibromofluoromethane	7.909	113	104256	58.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.680%			
50) Toluene-d8	10.332	98	338642	51.407	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.620	95	125269	54.186	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.380%			
Target Compounds						
5) Bromomethane	2.779	94	854	Below Cal		81
11) Tert butyl alcohol	5.173	59	5171	19.514 ug/l #		74
16) Acetone	4.173	43	1304	4.408 ug/l #		47
25) 2-Butanone	7.185	43	705	1.629 ug/l #		52
31) Cyclohexane	7.961	56	3356	1.124 ug/l #		3
36) 1,1-Dichloropropene	7.973	75	13127	4.884 ug/l #		51
38) Carbon Tetrachloride	7.973	117	17232	6.325 ug/l #		19
76) 1,2,3-Trichloropropane	12.620	75	65394	48.466 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	65394	116.352 ug/l #		7
95) Naphthalene	15.385	128	351	3.614 ug/l #		70

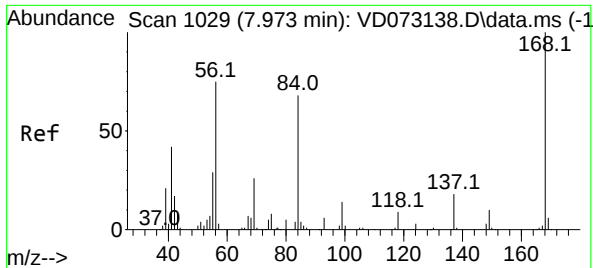
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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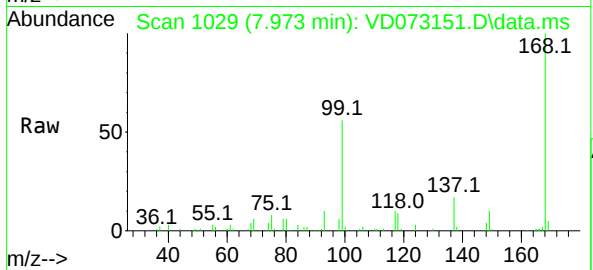
Quant Time: May 20 01:51:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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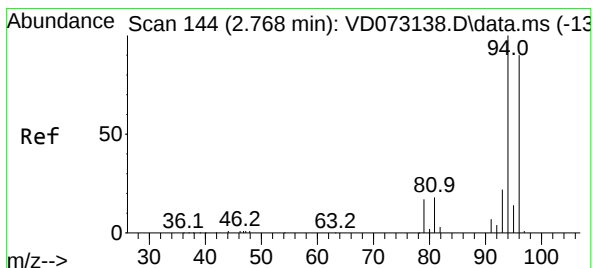
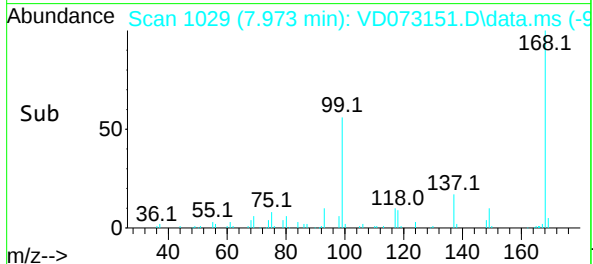
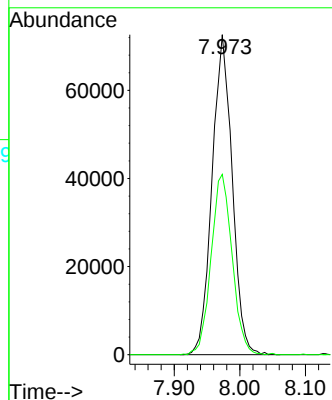


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

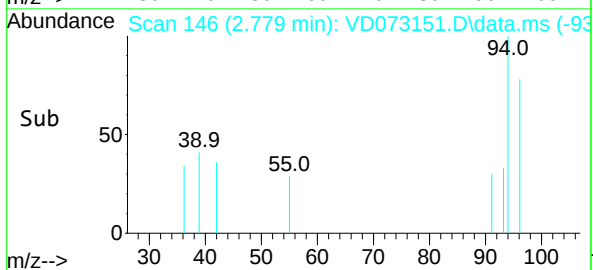
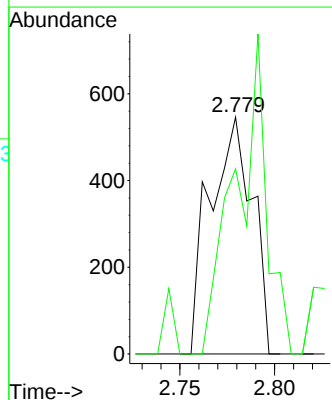
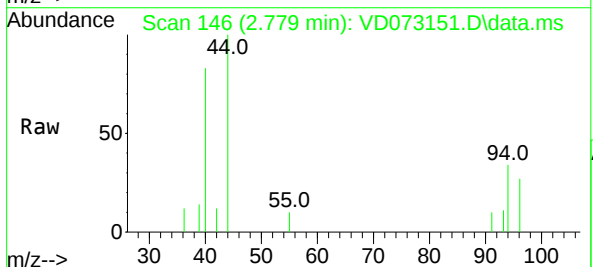


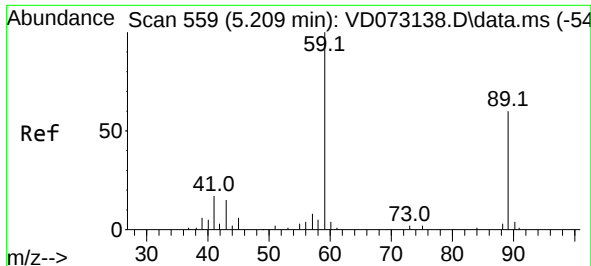
Tgt Ion:168 Resp: 154544
Ion Ratio Lower Upper
168 100
99 56.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Tgt Ion: 94 Resp: 854
Ion Ratio Lower Upper
94 100
96 78.2 77.6 116.4





#11

Tert butyl alcohol

Concen: 19.514 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073151.D

Acq: 19 May 2022 21:15

Instrument :

MSVOA_D

ClientSampleId :

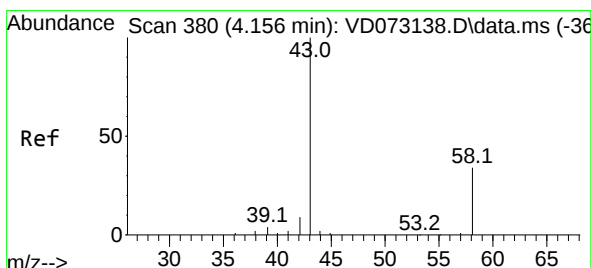
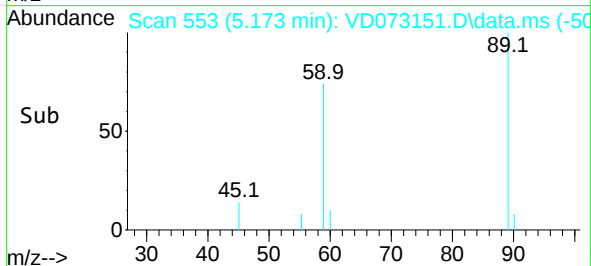
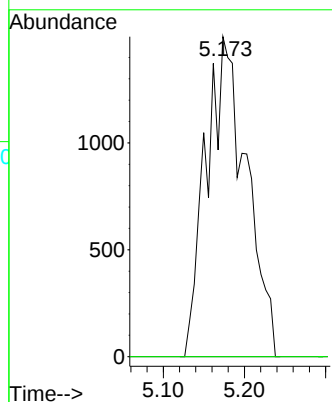
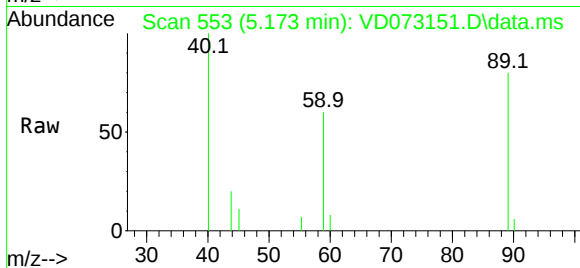
HR-02-051322

Tgt Ion: 59 Resp: 5171

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 4.408 ug/l

RT: 4.173 min Scan# 383

Delta R.T. 0.017 min

Lab File: VD073151.D

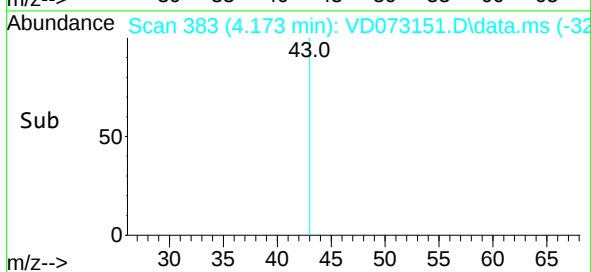
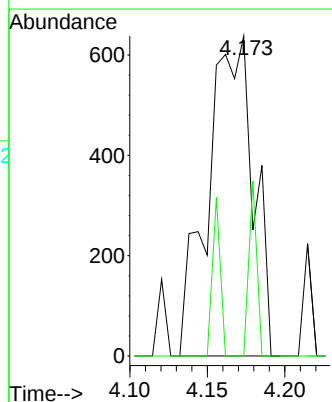
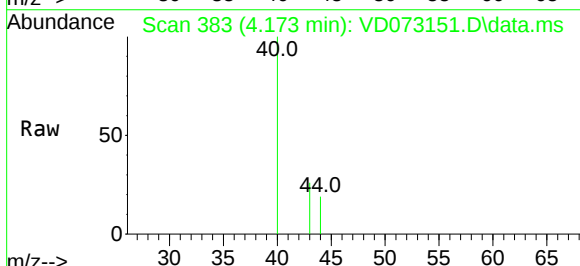
Acq: 19 May 2022 21:15

Tgt Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#

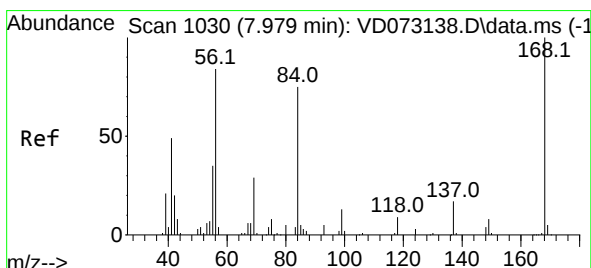
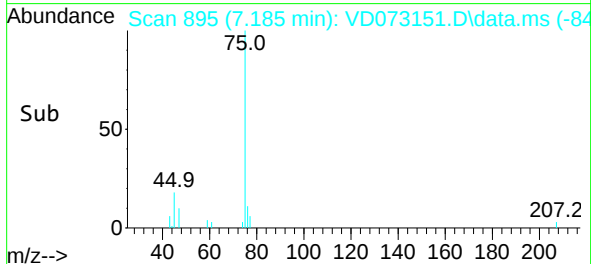
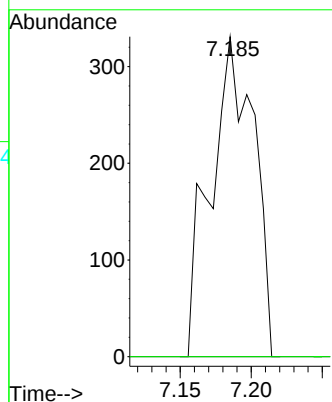
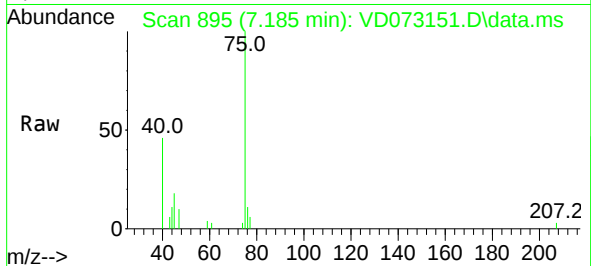




#25
2-Butanone
Concen: 1.629 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.023 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

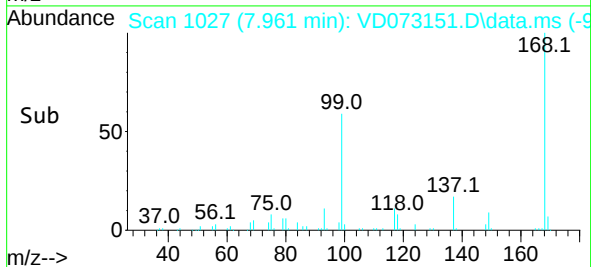
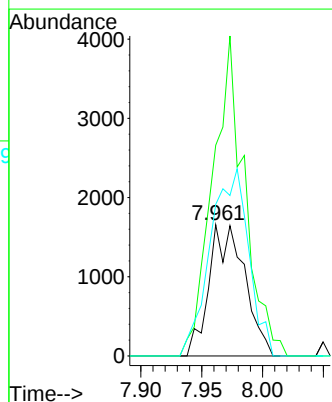
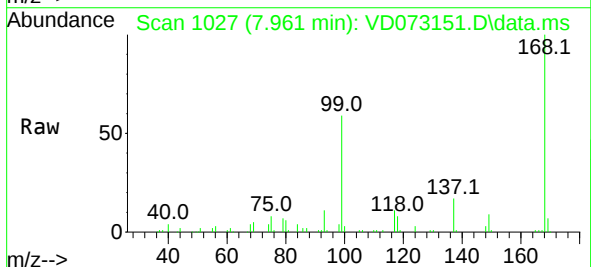
Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

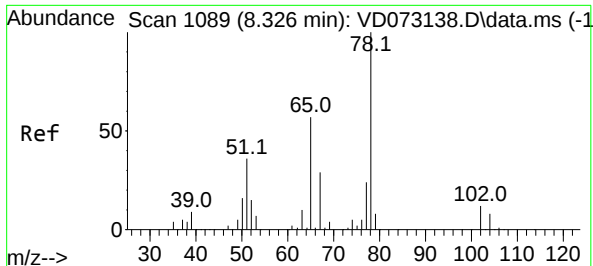
Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Tgt Ion: 56 Resp: 3356
Ion Ratio Lower Upper
56 100
69 160.7 25.4 38.2#
84 115.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 66.625 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD073151.D

Acq: 19 May 2022 21:15

Instrument :

MSVOA_D

ClientSampleId :

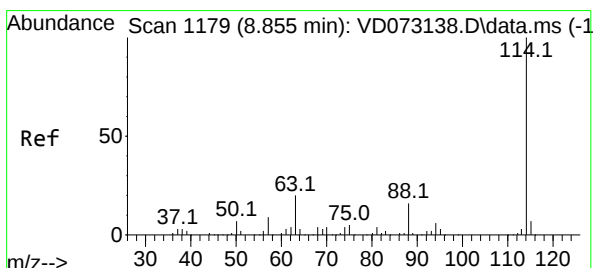
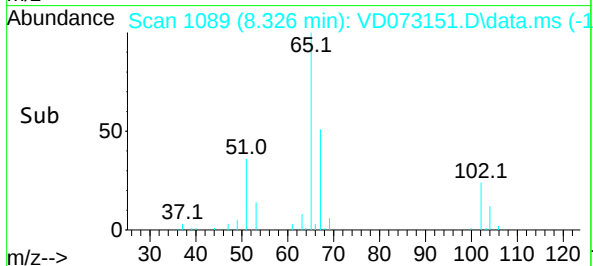
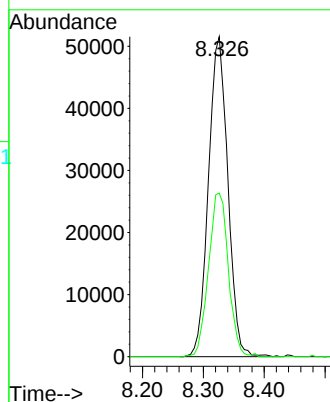
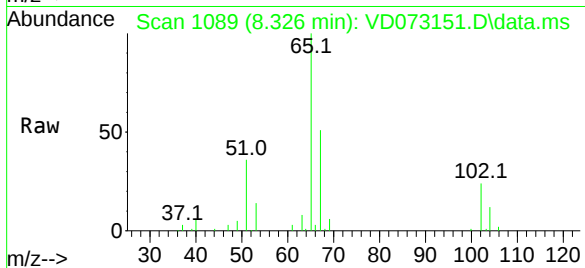
HR-02-051322

Tgt Ion: 65 Resp: 113791

Ion Ratio Lower Upper

65 100

67 52.4 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: VD073151.D

Acq: 19 May 2022 21:15

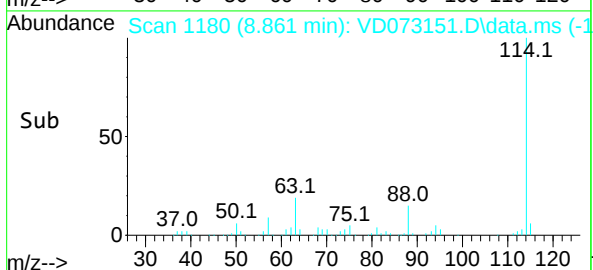
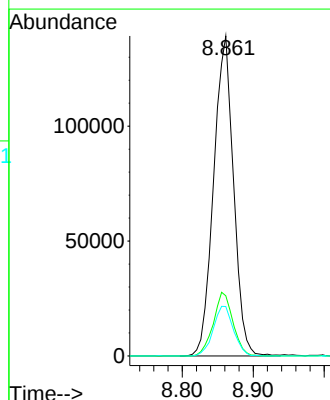
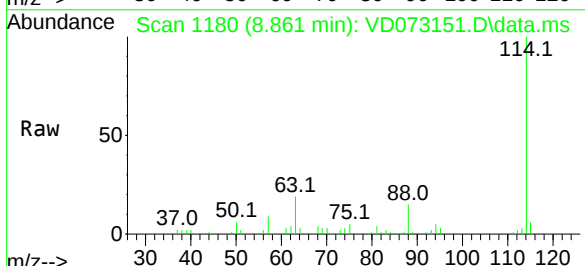
Tgt Ion: 114 Resp: 270820

Ion Ratio Lower Upper

114 100

63 18.8 0.0 46.6

88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 58.340 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073151.D

Acq: 19 May 2022 21:15

Instrument :

MSVOA_D

ClientSampleId :

HR-02-051322

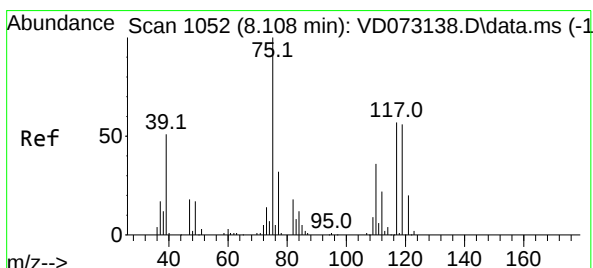
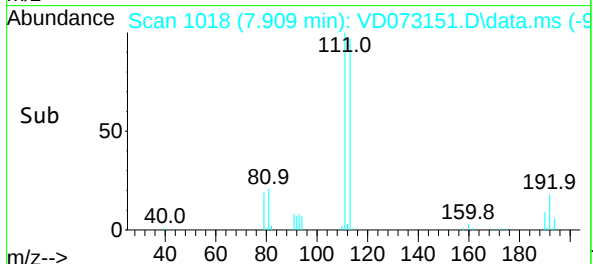
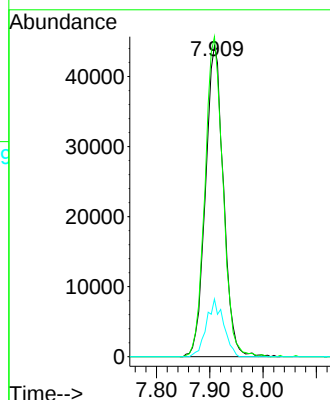
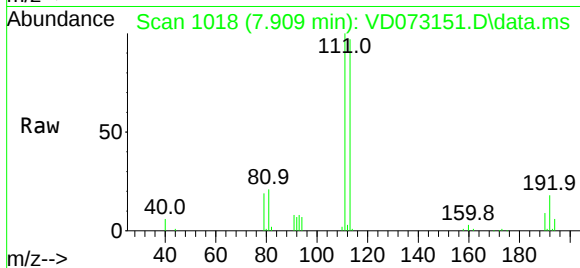
Tgt Ion:113 Resp: 104256

Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 17.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.884 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073151.D

Acq: 19 May 2022 21:15

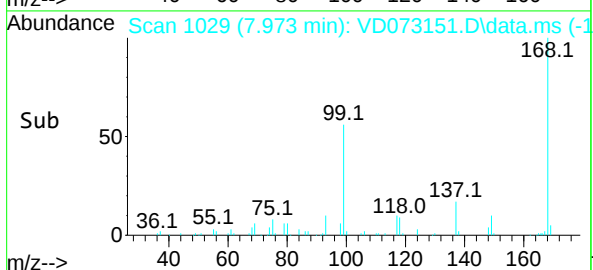
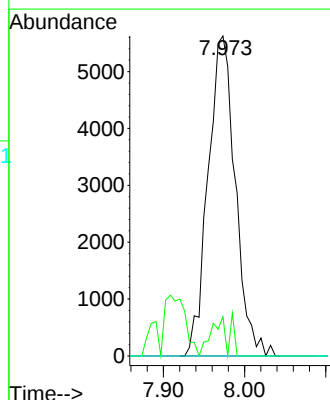
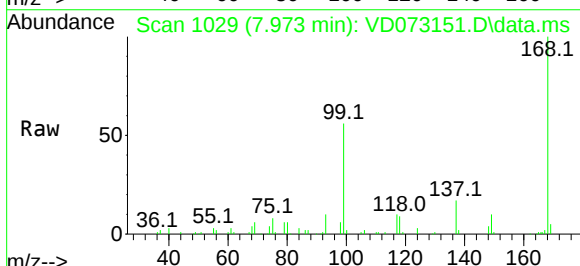
Tgt Ion: 75 Resp: 13127

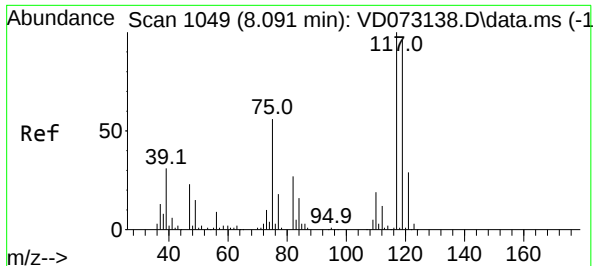
Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

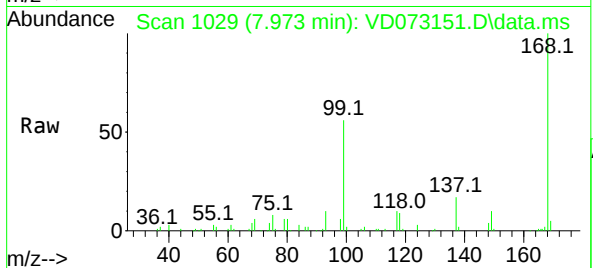
77 0.0 24.2 36.2#



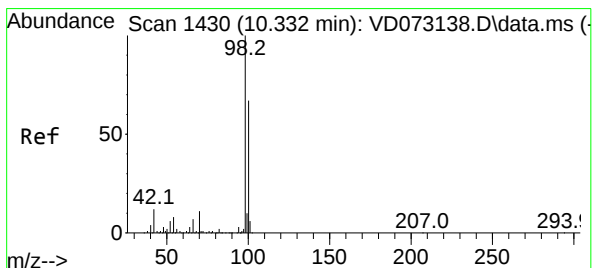
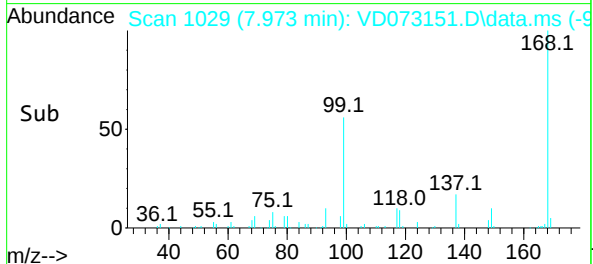
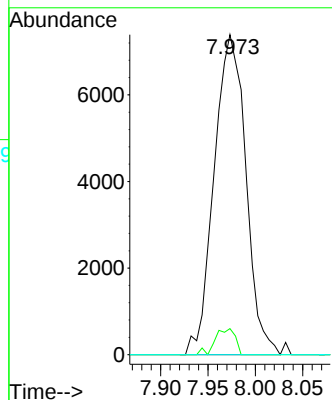


#38
Carbon Tetrachloride
Concen: 6.325 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

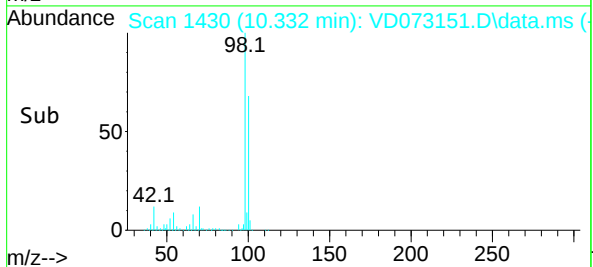
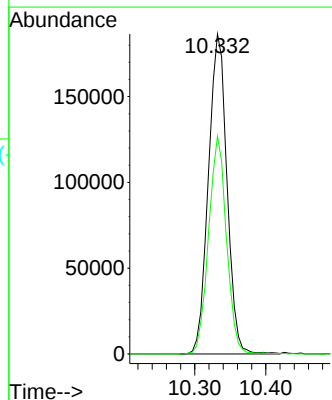
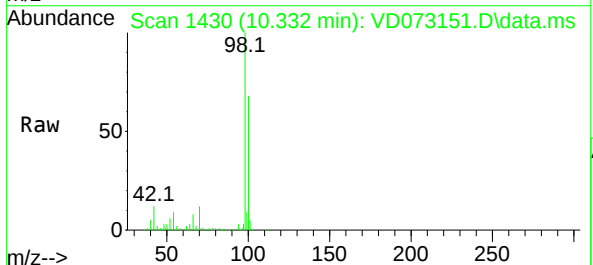


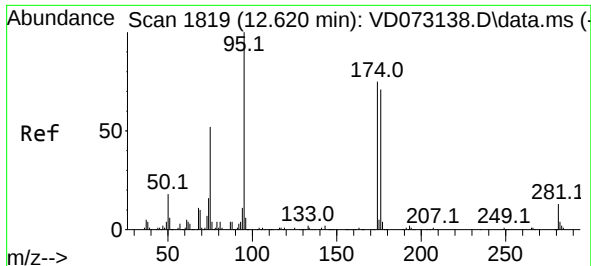
Tgt Ion:117 Resp: 17232
Ion Ratio Lower Upper
117 100
119 8.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.407 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Tgt Ion: 98 Resp: 338642
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6

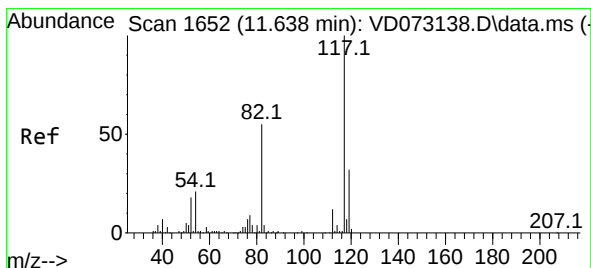
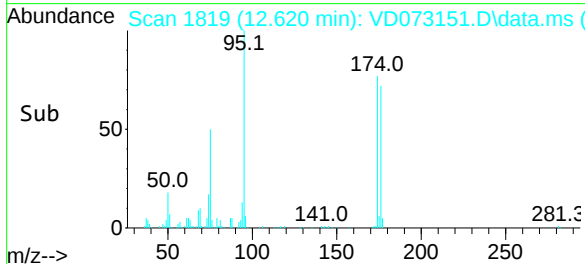
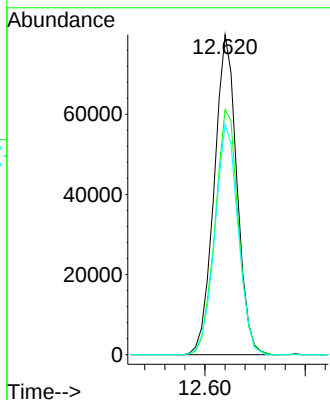
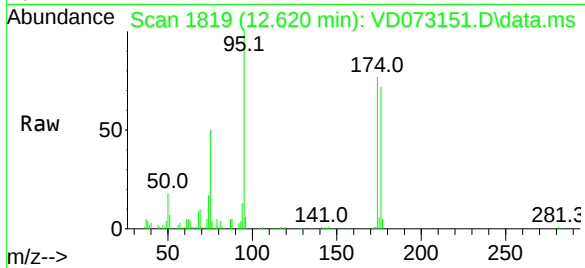




#62
4-Bromofluorobenzene
Concen: 54.186 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

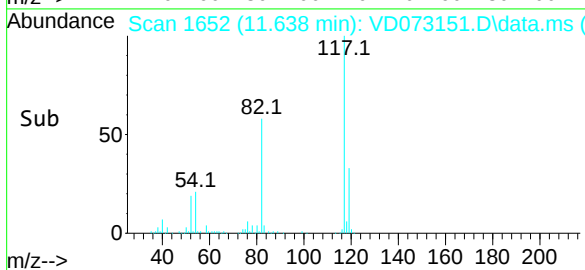
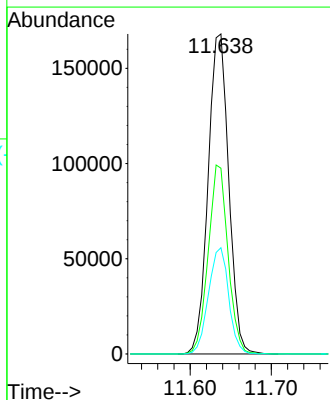
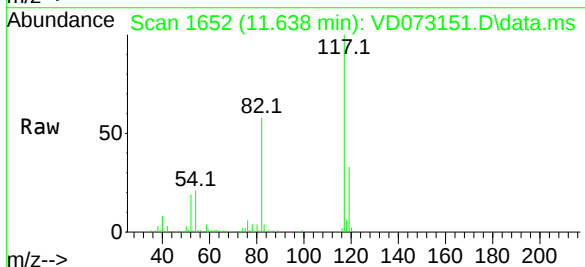
Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

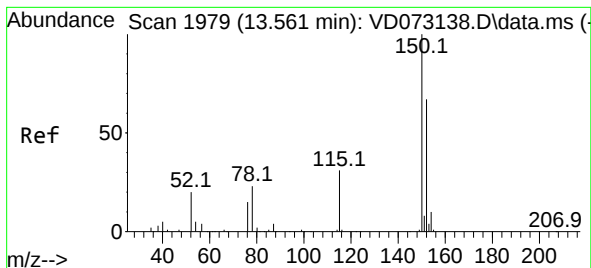
Tgt Ion: 95 Resp: 125269
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 73.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Tgt Ion: 117 Resp: 295890
Ion Ratio Lower Upper
117 100
82 58.1 45.3 67.9
119 33.2 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: VD073151.D

Acq: 19 May 2022 21:15

Instrument :

MSVOA_D

ClientSampleId :

HR-02-051322

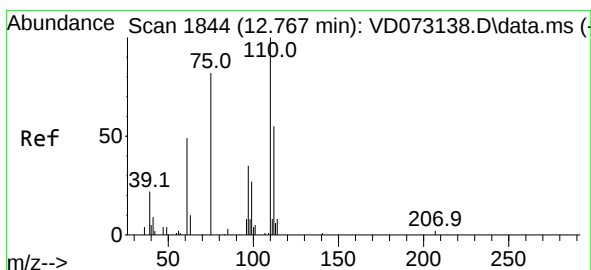
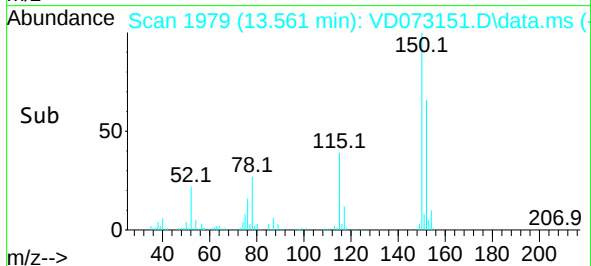
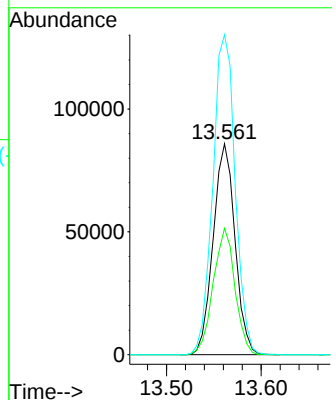
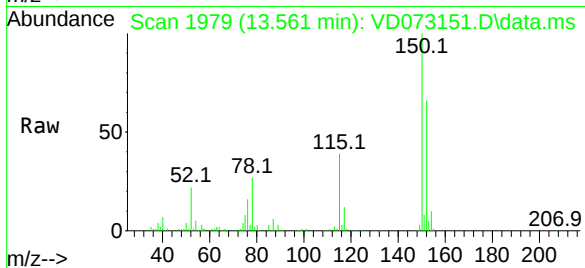
Tgt Ion:152 Resp: 137517

Ion Ratio Lower Upper

152 100

115 59.7 31.3 93.8

150 155.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.466 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073151.D

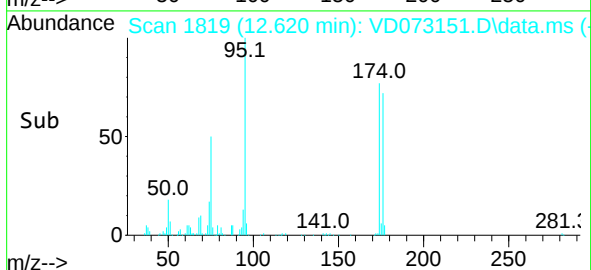
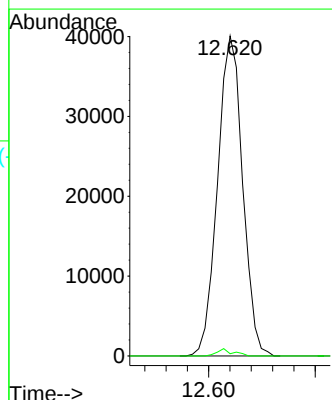
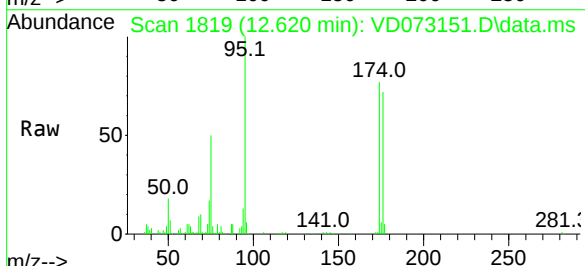
Acq: 19 May 2022 21:15

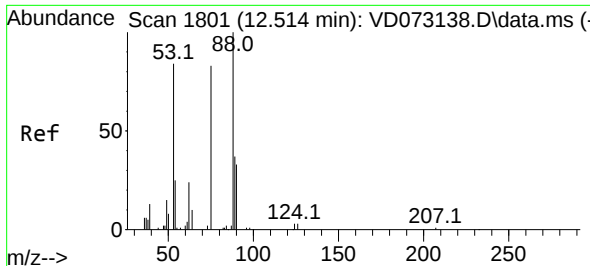
Tgt Ion: 75 Resp: 65394

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

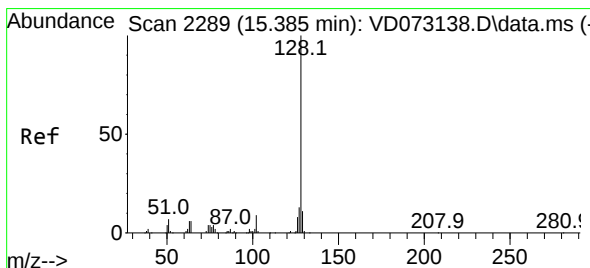
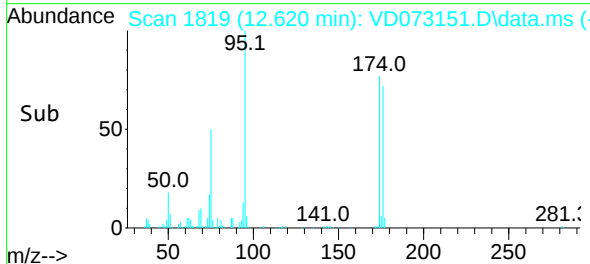
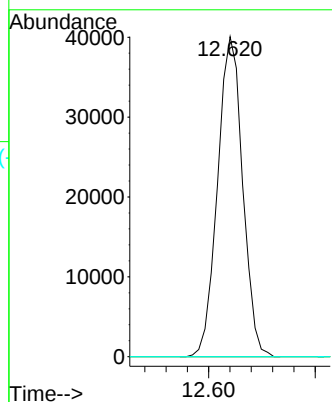
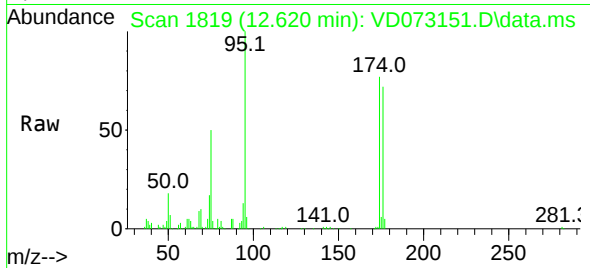




#81
trans-1,4-Dichloro-2-butene
Concen: 116.352 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Instrument :
MSVOA_D
ClientSampleId :
HR-02-051322

Tgt Ion: 75 Resp: 65394
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.614 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073151.D
Acq: 19 May 2022 21:15

Tgt Ion: 128 Resp: 351
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

