

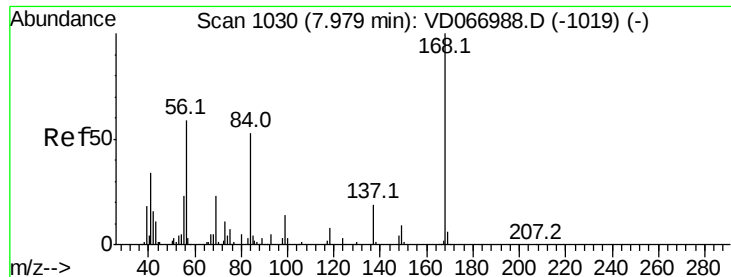
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066995.D
 Acq On : 01 Oct 2020 16:25
 Operator : VA/SY
 Sample : L3863-09
 Misc : 8.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-093020

Quant Time: Oct 02 00:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	521556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	856860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	801628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346977	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	250559	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
35) Dibromofluoromethane	7.91	113	269925	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
50) Toluene-d8	10.34	98	1016820	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.63	95	333261	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	2695	Below Cal		94
5) Bromomethane	2.78	94	2118	Below Cal	#	46
11) Tert butyl alcohol	5.19	59	68	Below Cal	#	72
16) Acetone	4.17	43	1407	1.835	ug/l #	42
20) Methylene Chloride	4.97	84	13510	Below Cal	#	80
26) 2,2-Dichloropropane	7.20	77	3715	Below Cal		94
31) Cyclohexane	7.98	56	15080	1.999	ug/l #	28
49) 1,4-Dioxane	9.47	88	97	3.102	ug/l #	25
76) 1,2,3-Trichloropropane	12.63	75	167841	55.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	167841	138.454	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

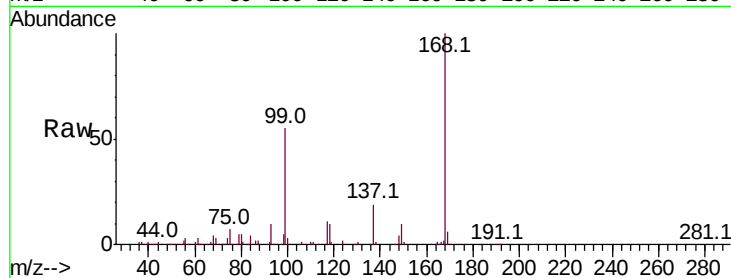
HD-02-093020

Tot Ion:168 Resp: 521556

Ion Ratio Lower Upper

168 100

99 54.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

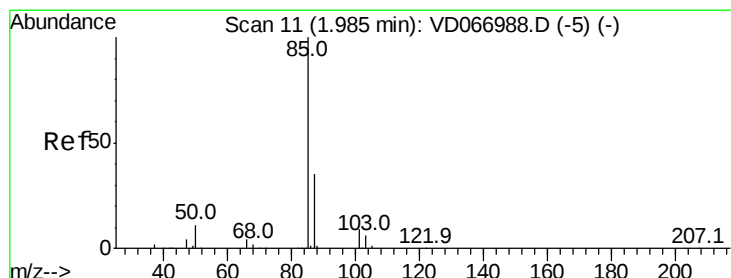
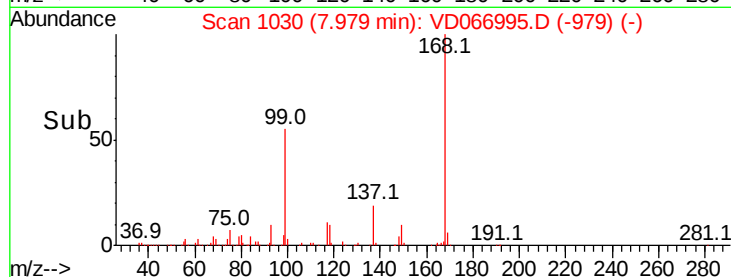
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066995.D

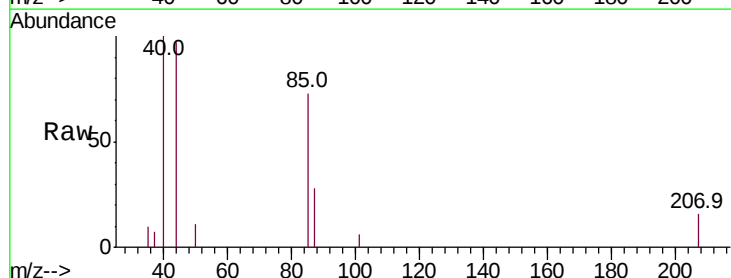
Acq: 01 Oct 2020 16:25

Tgt Ion: 85 Resp: 2695

Ion Ratio Lower Upper

85 100

87 38.4 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2500

2000

1500

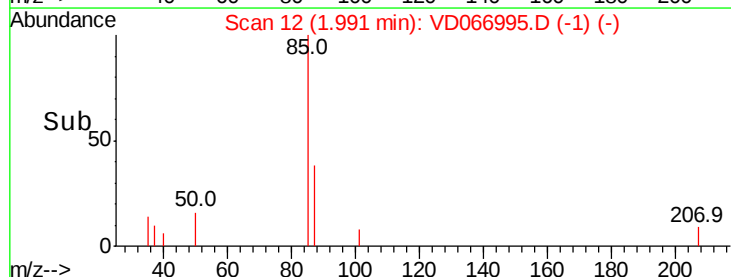
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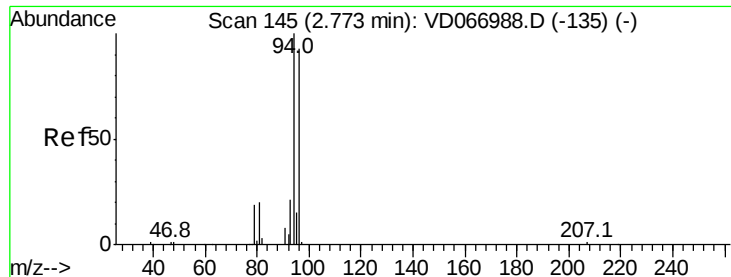
500

0

Time-->

1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

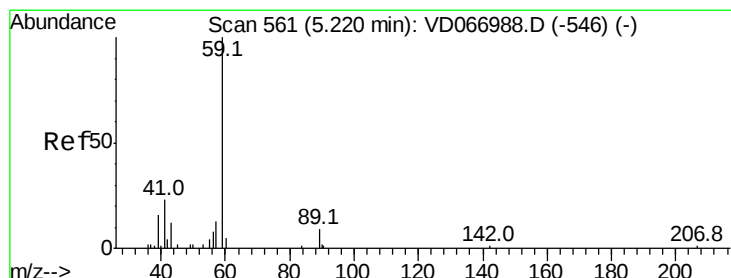
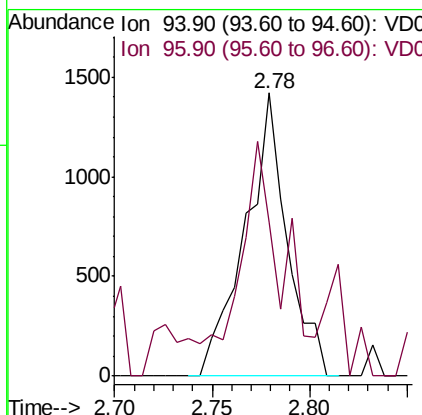
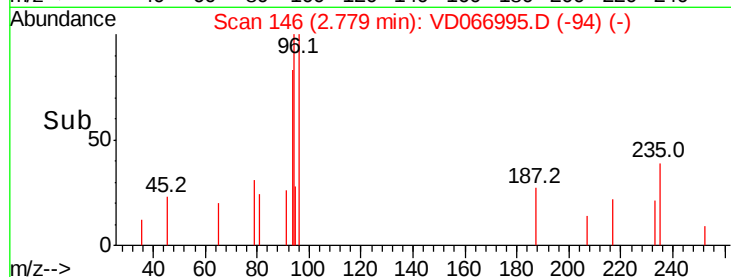
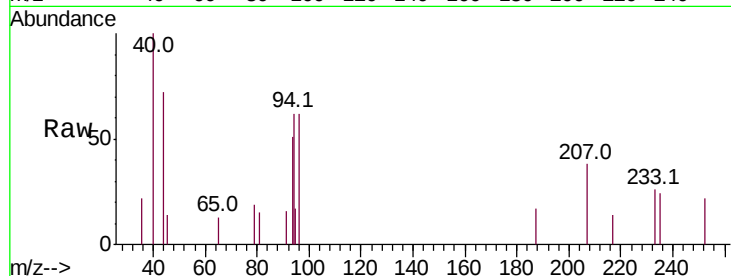
HD-02-093020

Tot Ion: 94 Resp: 2118

Ion Ratio Lower Upper

94 100

96 41.2 74.6 112.0#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD066995.D

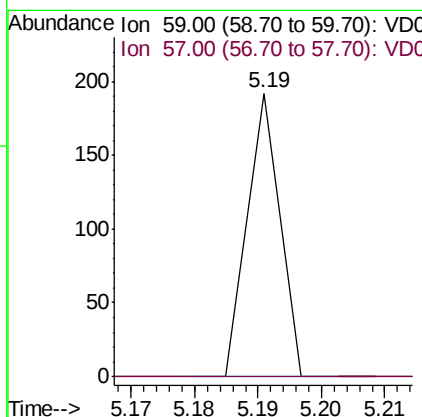
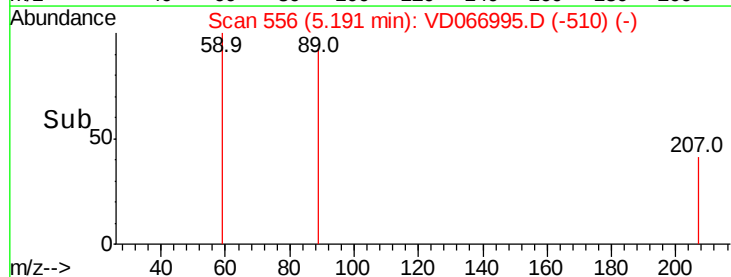
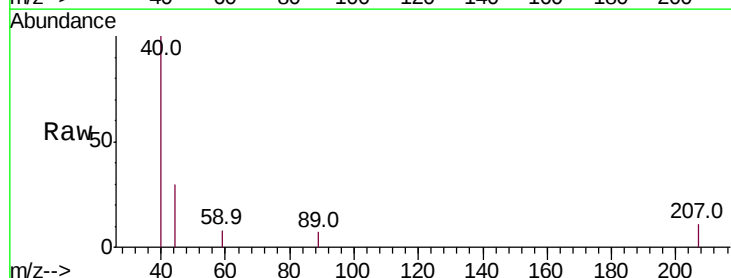
Acq: 01 Oct 2020 16:25

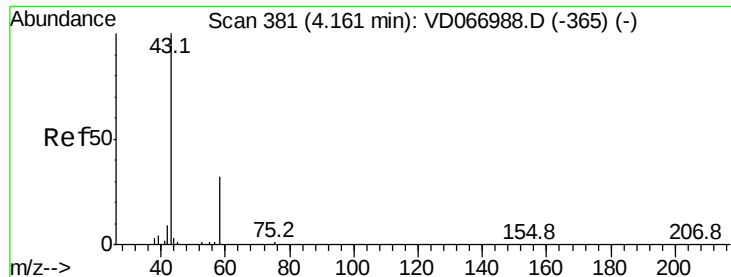
Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.835 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

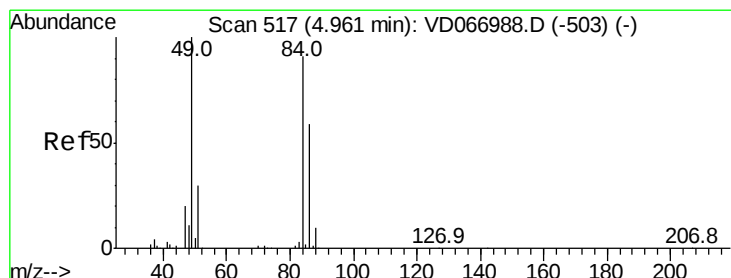
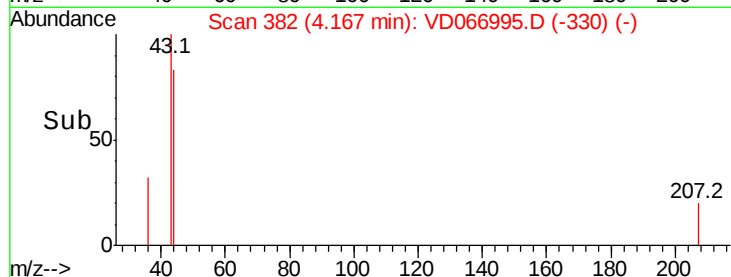
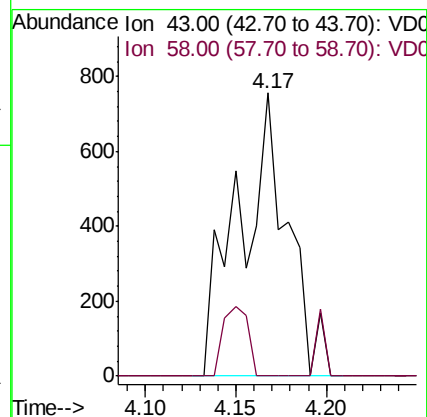
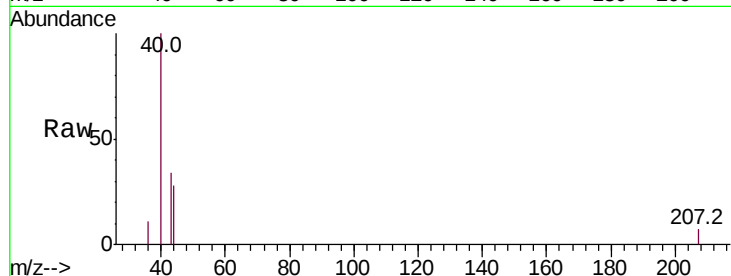
HD-02-093020

Tot Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Tgt Ion: 84 Resp: 13510

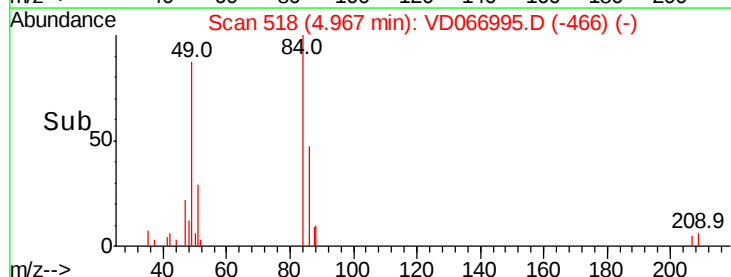
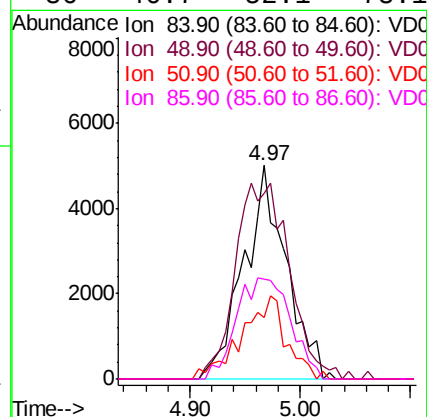
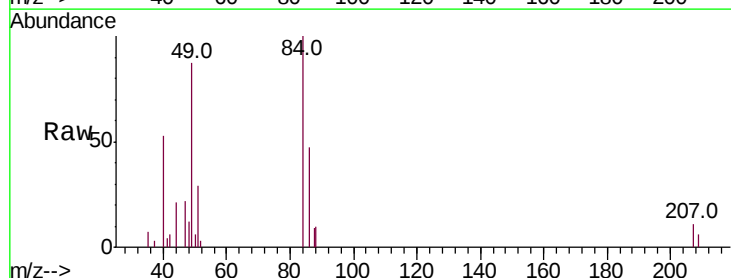
Ion Ratio Lower Upper

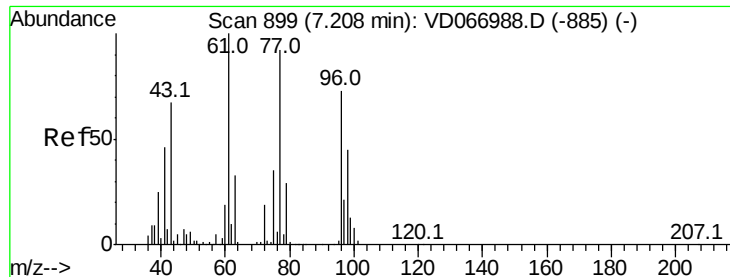
84 100

49 86.8 88.2 132.2#

51 28.8 26.6 39.8

86 46.7 52.1 78.1#

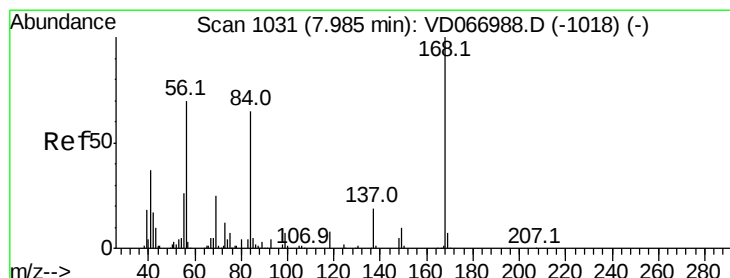
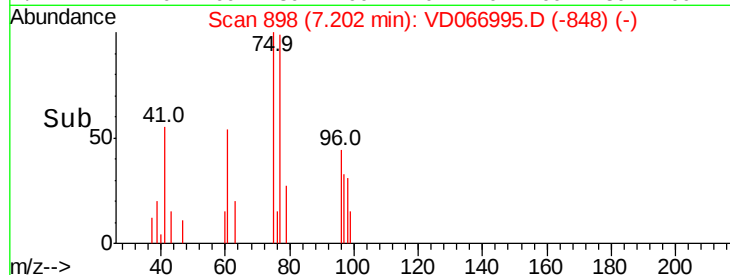
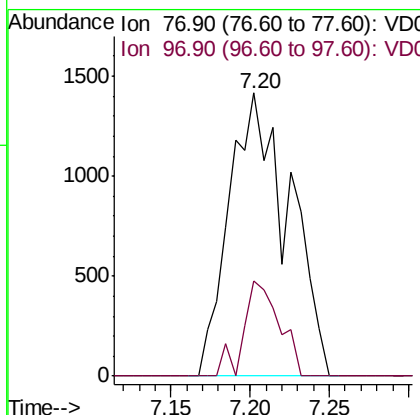
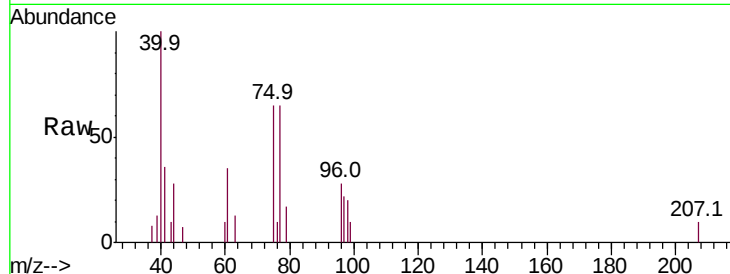




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066995.D
Acq: 01 Oct 2020 16:25

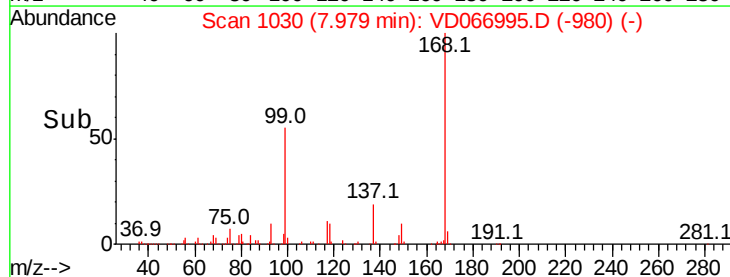
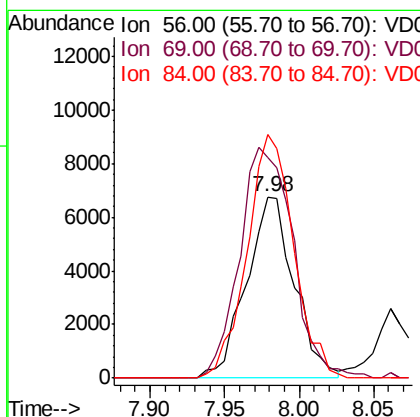
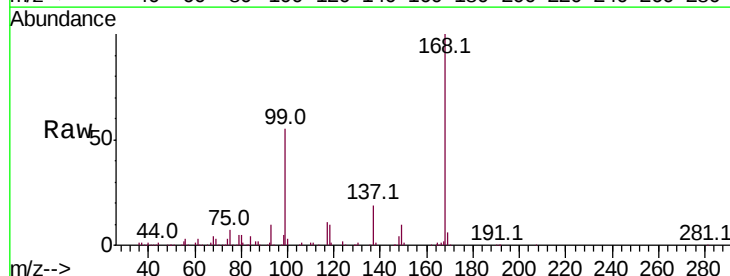
Instrument :
MSVOA_D
ClientSampleId :
HD-02-093020

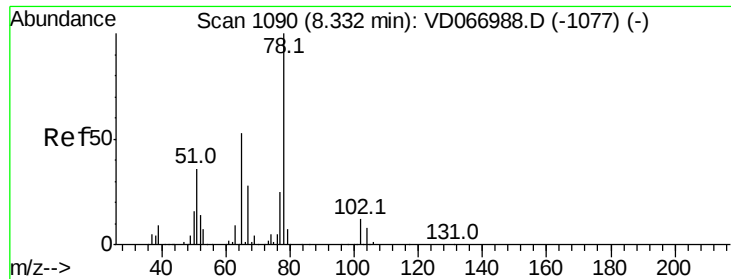
Tot Ion: 77 Resp: 3715
Ion Ratio Lower Upper
77 100
97 20.0 11.4 34.2



#31
Cyclohexane
Concen: 1.999 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066995.D
Acq: 01 Oct 2020 16:25

Tgt Ion: 56 Resp: 15080
Ion Ratio Lower Upper
56 100
69 121.9 29.0 43.6#
84 134.4 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 49.876 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

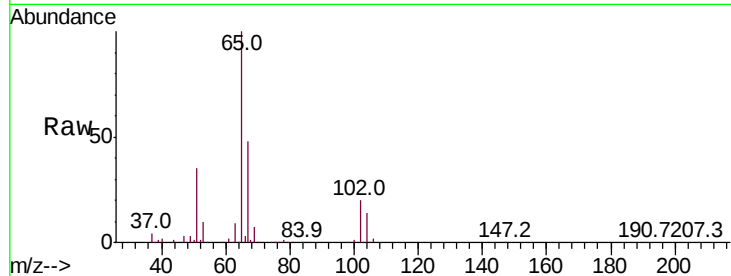
HD-02-093020

Tot Ion: 65 Resp: 250559

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

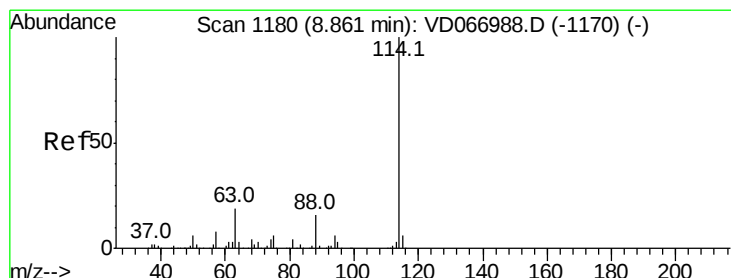
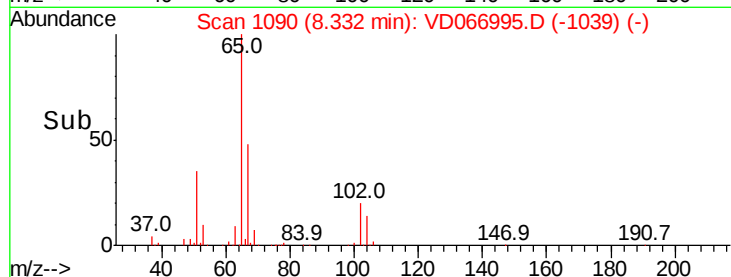
8.33

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

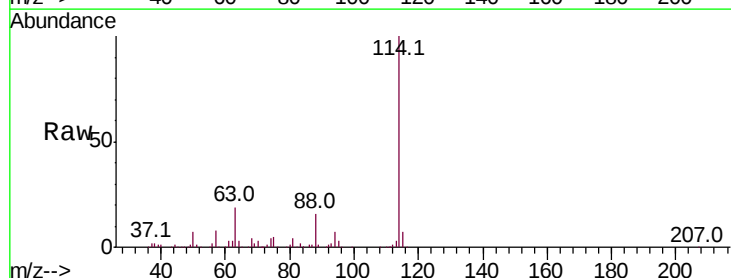
Tgt Ion:114 Resp: 856860

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 16.1 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

600000

500000

400000

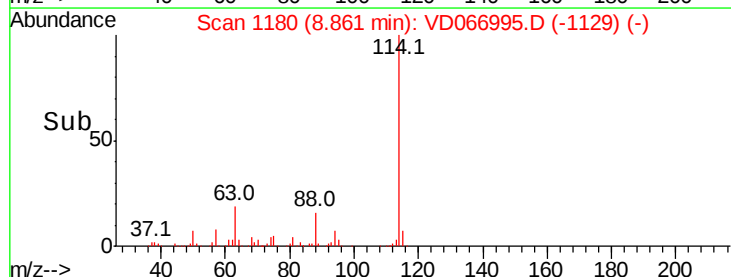
300000

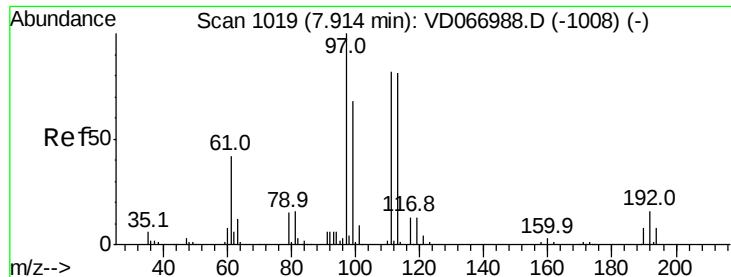
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100000

0

Time-->

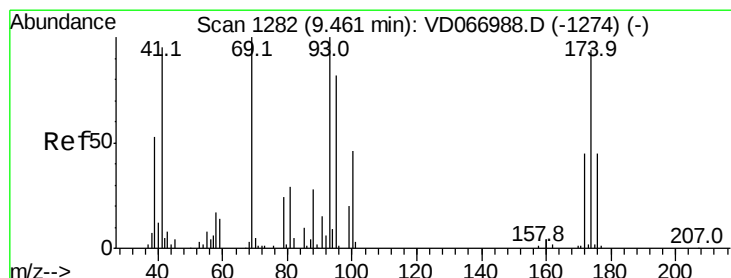
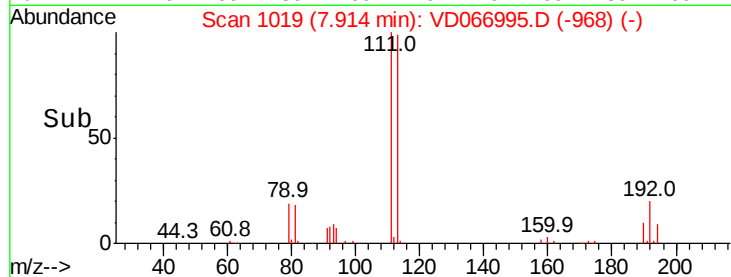
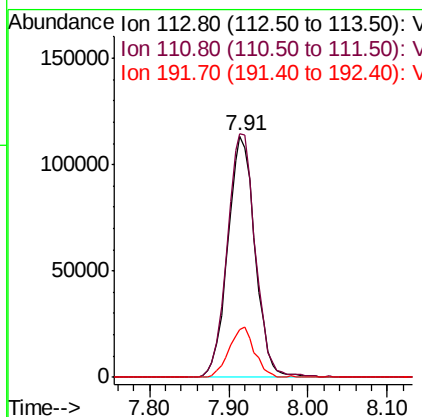
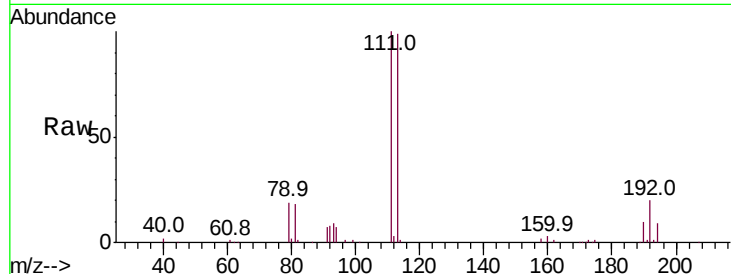




#35
 Dibromofluoromethane
 Concen: 48.118 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066995.D
 Acq: 01 Oct 2020 16:25

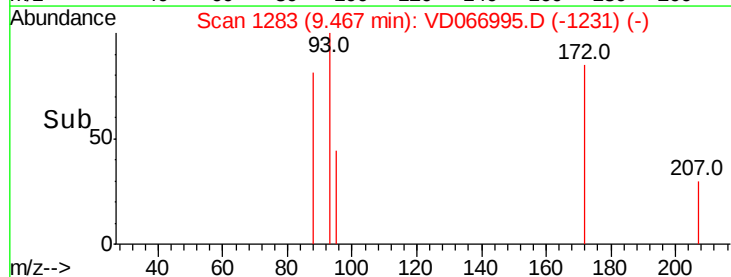
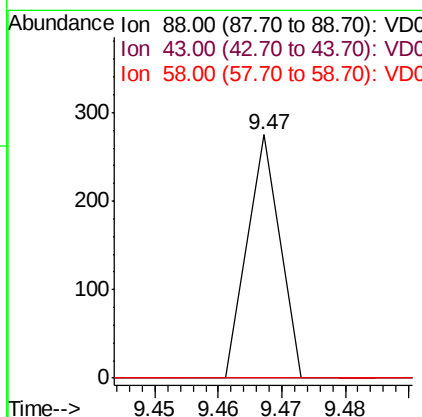
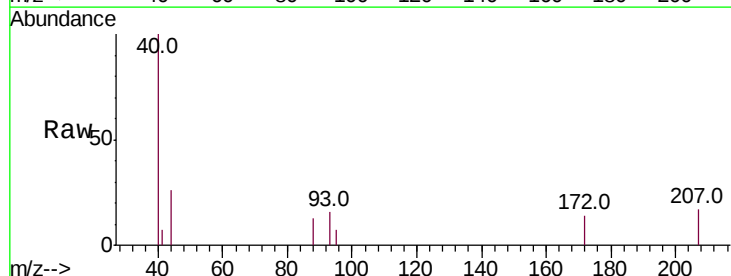
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-093020

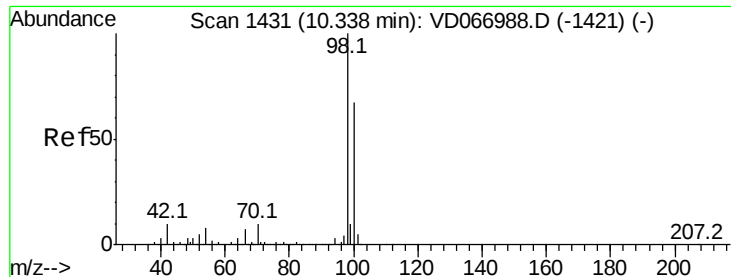
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.0	124.4
192	19.6	15.5	23.3



#49
 1,4-Dioxane
 Concen: 3.102 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD066995.D
 Acq: 01 Oct 2020 16:25

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.6	38.4#
58	0.0	53.5	80.3#





#50

Toluene-d8

Concen: 49.744 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

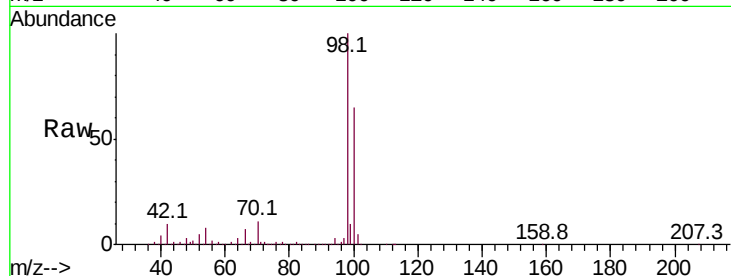
HD-02-093020

Tot Ion: 98 Resp: 1016820

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

600000

400000

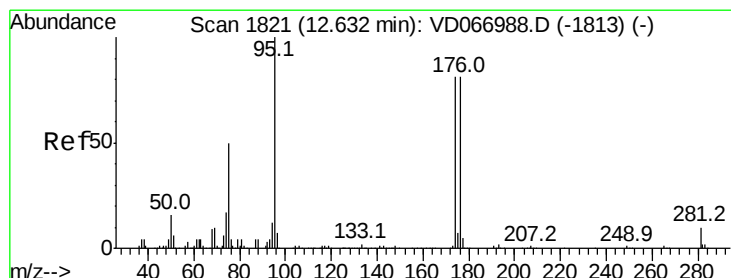
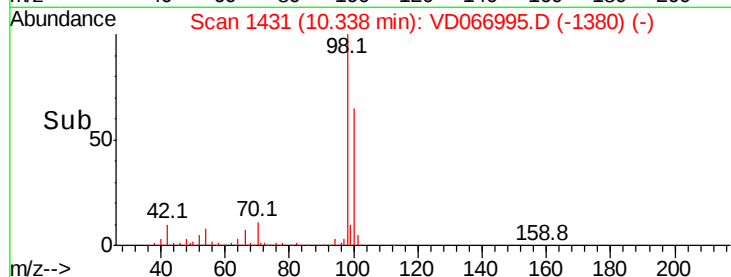
200000

0

10.34

10.30 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 48.025 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

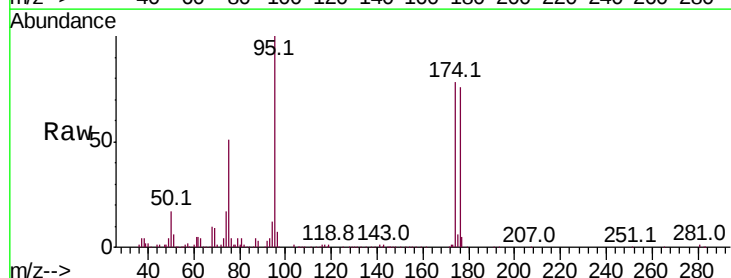
Tgt Ion: 95 Resp: 333261

Ion Ratio Lower Upper

95 100

174 81.9 0.0 167.6

176 80.0 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

250000

200000

150000

100000

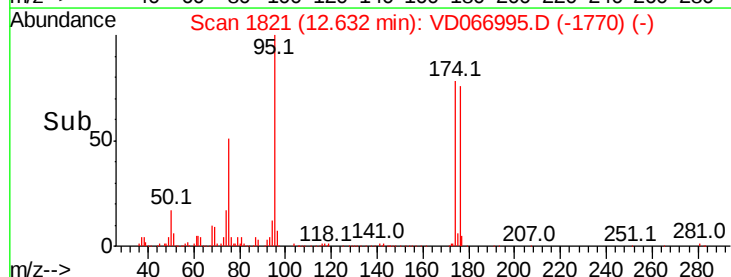
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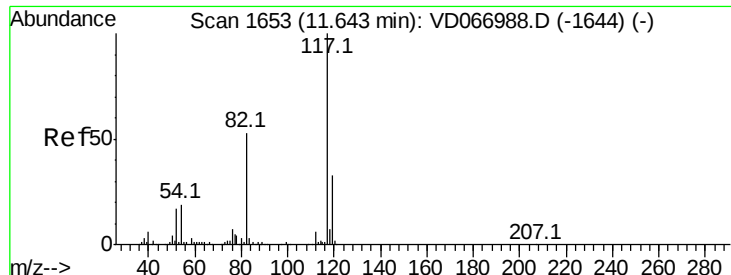
0

12.63

12.60 12.70

Time-->

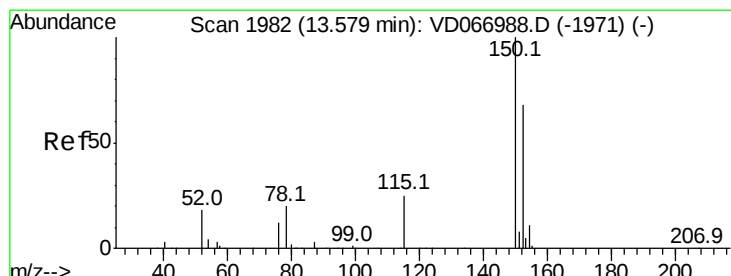
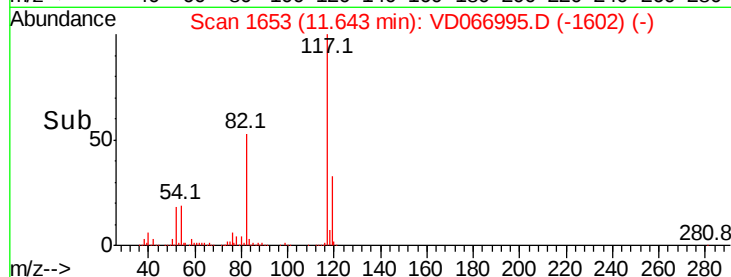
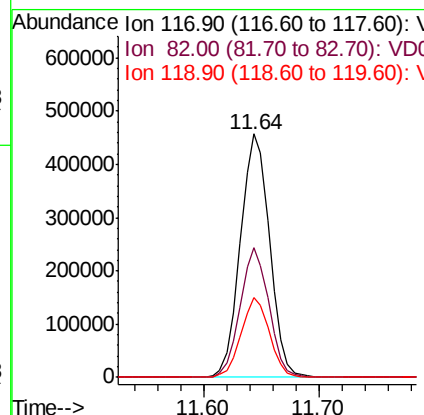
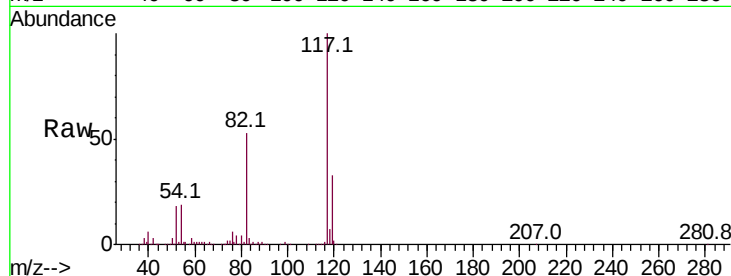




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066995.D
Acq: 01 Oct 2020 16:25

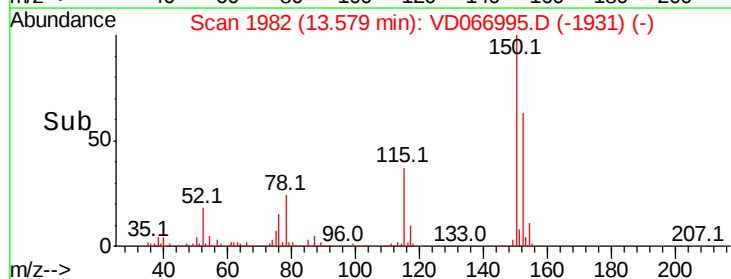
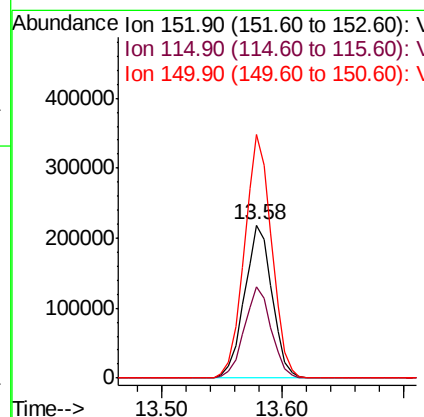
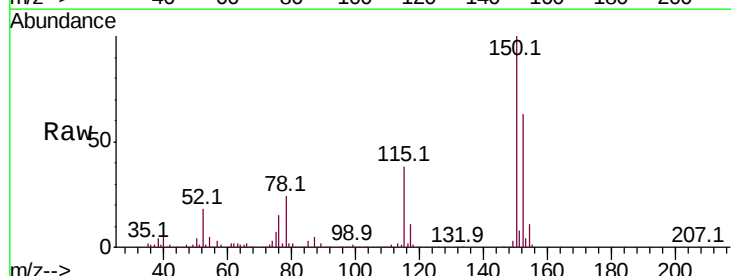
Instrument :
MSVOA_D
ClientSampleId :
HD-02-093020

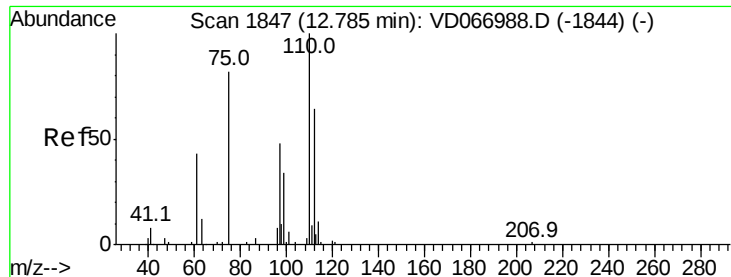
Tot Ion:117 Resp: 801628
Ion Ratio Lower Upper
117 100
82 53.1 42.6 63.8
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066995.D
Acq: 01 Oct 2020 16:25

Tgt Ion:152 Resp: 346977
Ion Ratio Lower Upper
152 100
115 58.6 29.6 88.8
150 157.6 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 55.534 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

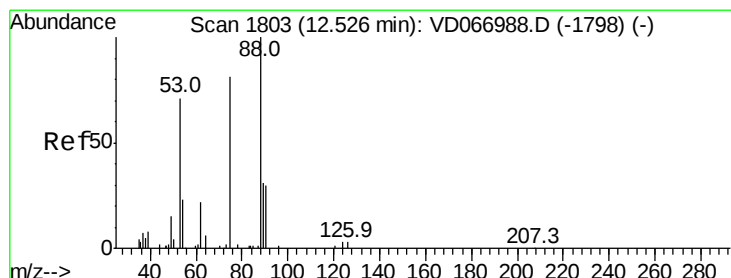
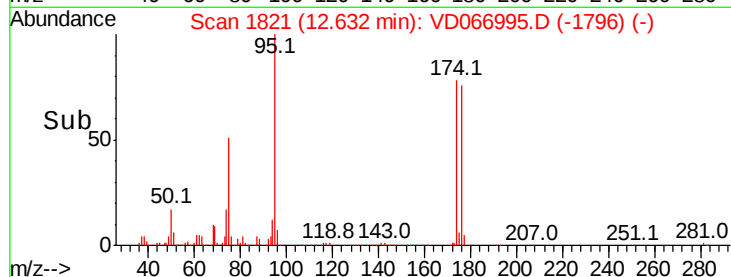
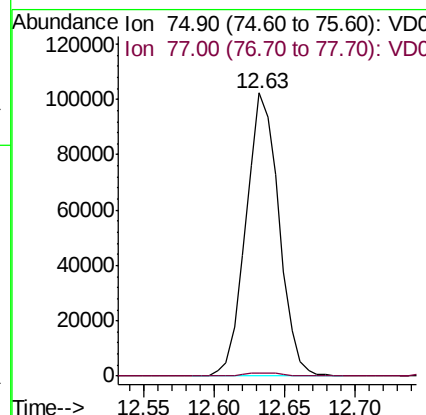
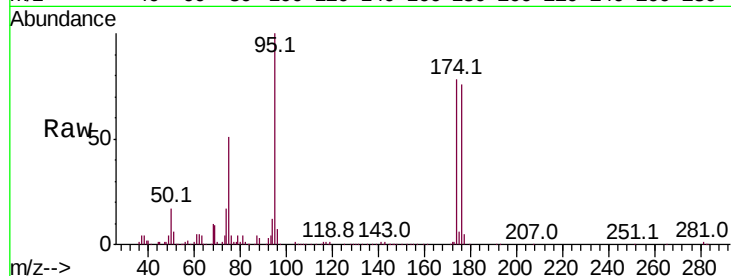
HD-02-093020

Tot Ion: 75 Resp: 167841

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.454 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD066995.D

Acq: 01 Oct 2020 16:25

Tgt Ion: 75 Resp: 167841

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.1 38.9 58.3#

