

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066225.D
 Acq On : 13 Aug 2020 22:04
 Operator : VA/SY
 Sample : L3662-03
 Misc : 7.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-374

Quant Time: Aug 14 03:05:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

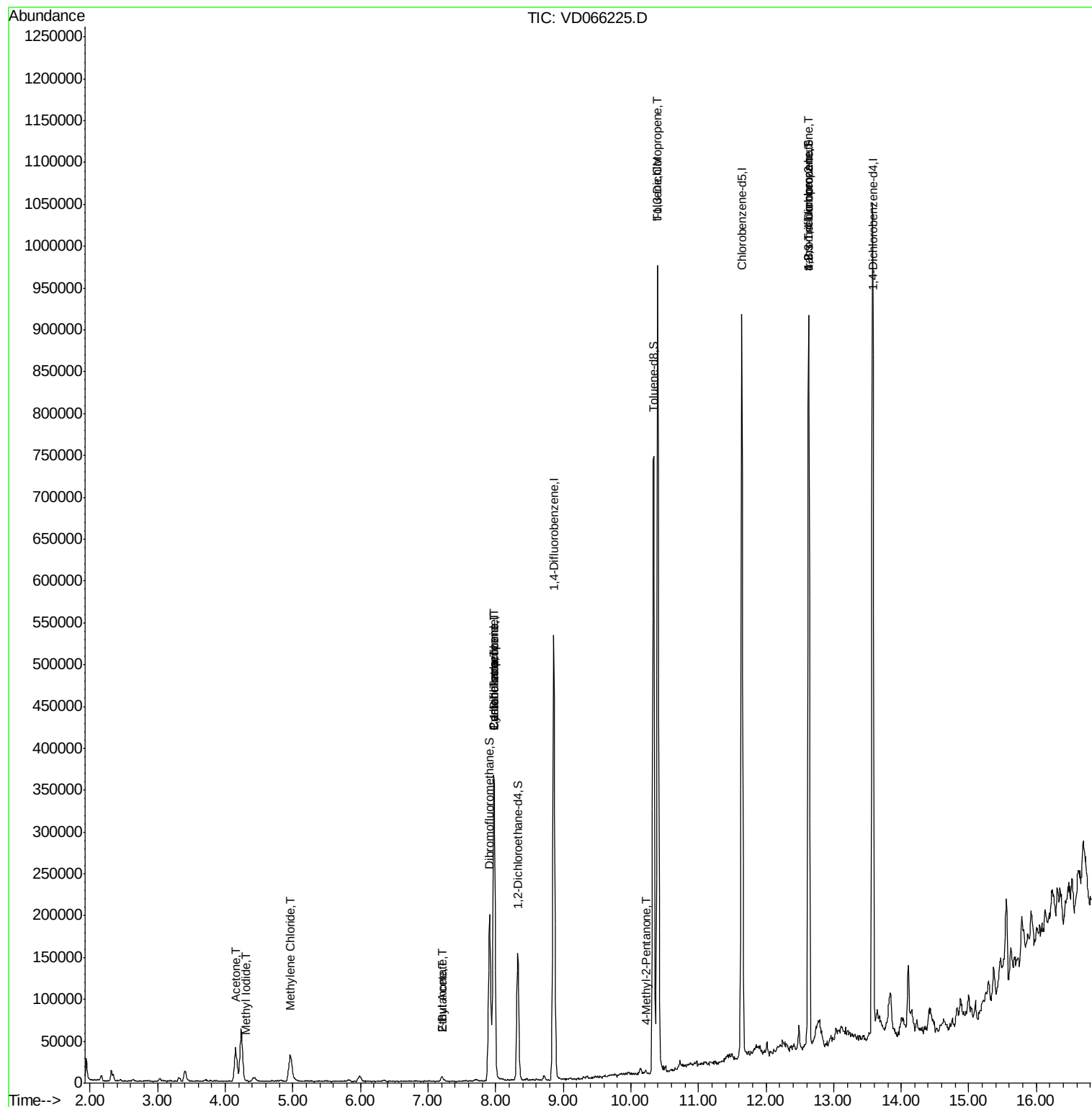
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	286579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	465460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	517907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	121867	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.91	113	142526	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.34	98	507113	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	12.63	95	275532	70.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.50%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.31	142	61	6.733	ug/l #	39
11) Tert butyl alcohol	5.21	59	621	Below Cal	#	92
16) Acetone	4.16	43	70431	145.183	ug/l	91
20) Methylene Chloride	4.96	84	24428	4.526	ug/l	95
25) 2-Butanone	7.20	43	6771	9.490	ug/l #	81
31) Cyclohexane	7.97	56	6058	1.352	ug/l #	16
36) 1,1-Dichloropropene	7.98	75	19371	4.429	ug/l #	49
37) Ethyl Acetate	7.20	43	6771	3.907	ug/l #	66
38) Carbon Tetrachloride	7.97	117	28016	5.744	ug/l #	14
51) 4-Methyl-2-Pentanone	10.22	43	3541	2.019	ug/l #	83
52) Toluene	10.40	92	419952	52.598	ug/l	97
53) t-1,3-Dichloropropene	10.40	75	5478	1.336	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	139417	59.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	139417	130.667	ug/l #	13

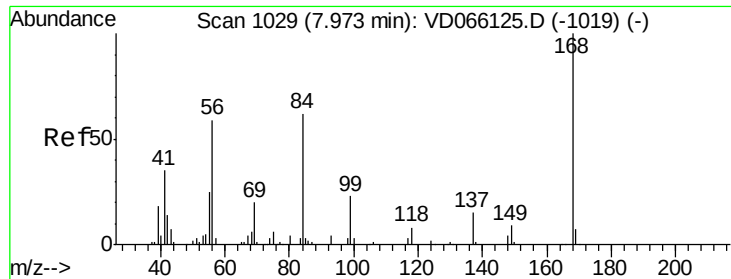
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD066225.D
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

Instrument :

MSVOA_D

ClientSampleId :

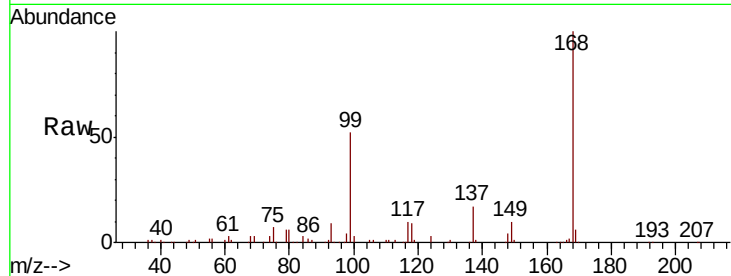
RBR-374

Tot Ion:168 Resp: 286579

Ion Ratio Lower Upper

168 100

99 52.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

150000

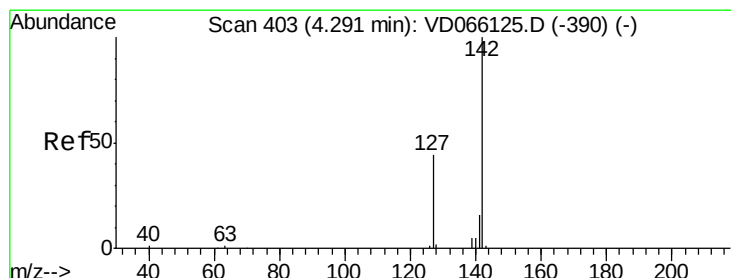
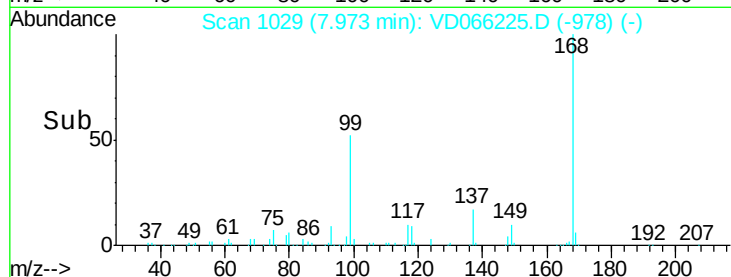
100000

50000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 6.733 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

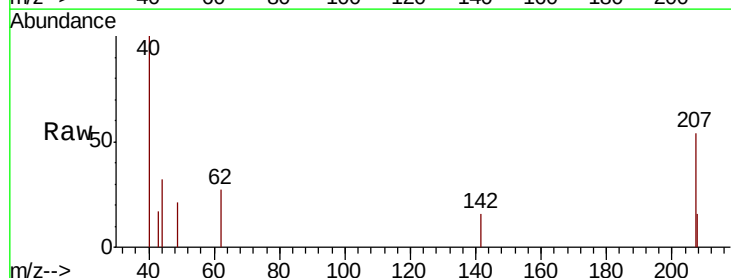
Tgt Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.31

200

150

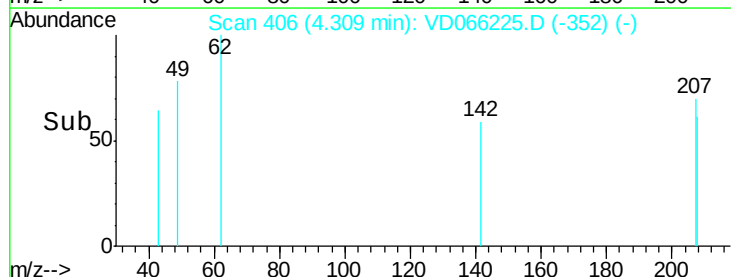
100

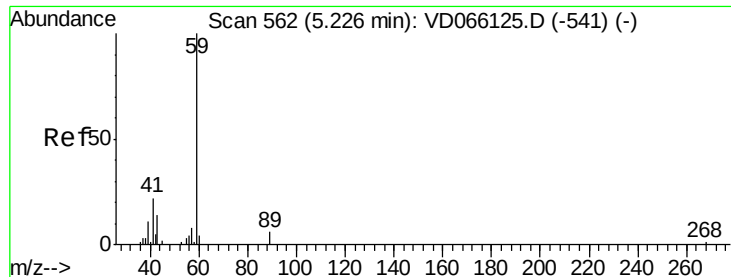
50

0

Time-->

4.29 4.30 4.31 4.32

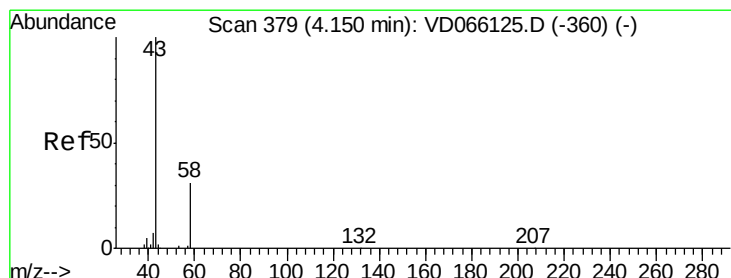
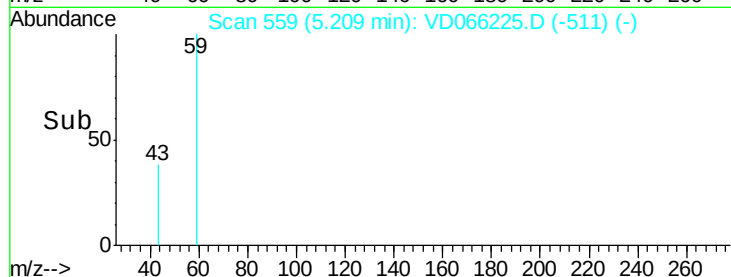
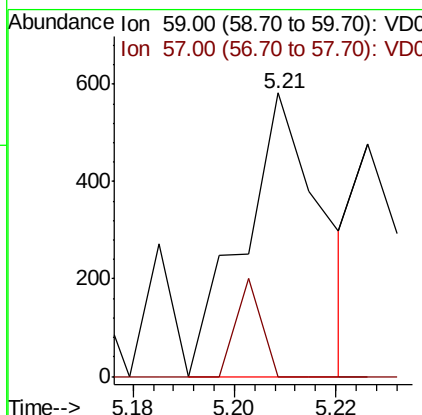
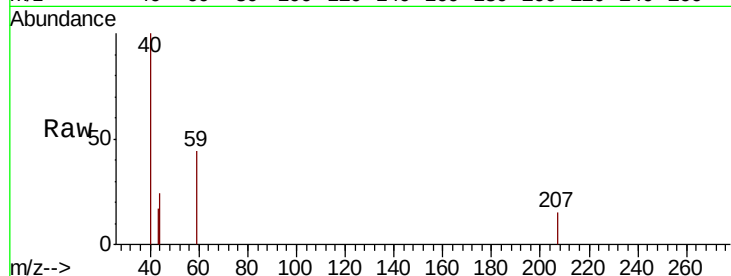




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066225.D
Acq: 13 Aug 2020 22:04

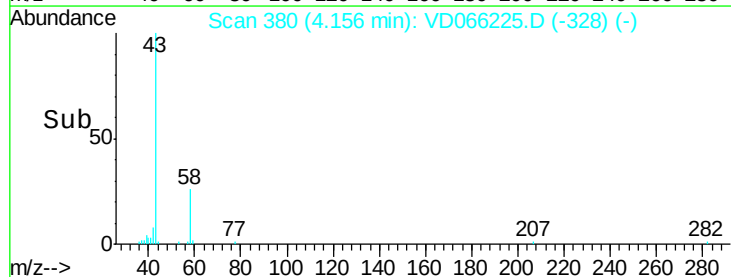
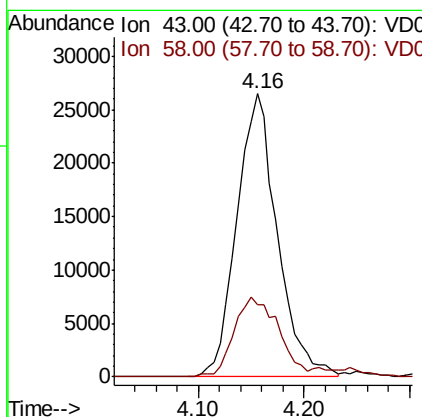
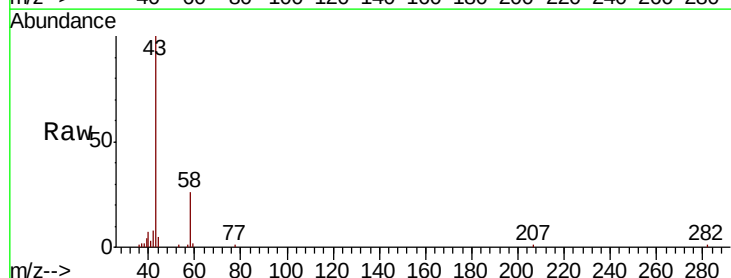
Instrument :
MSVOA_D
ClientSampled :
RBR-374

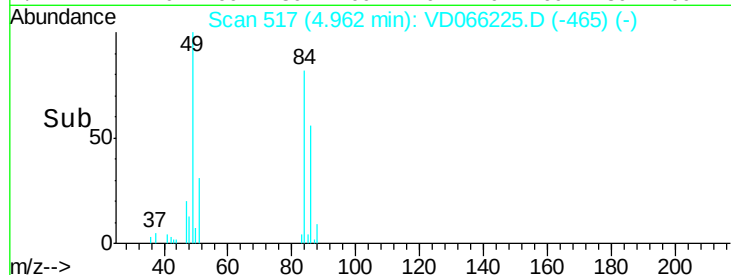
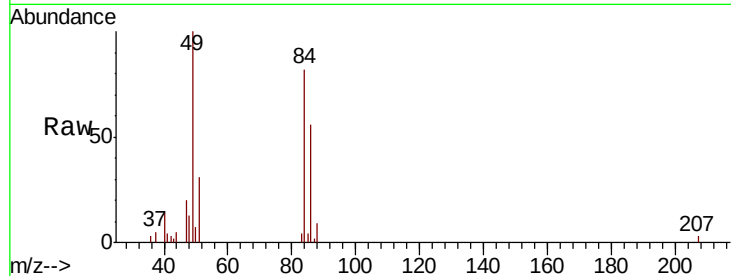
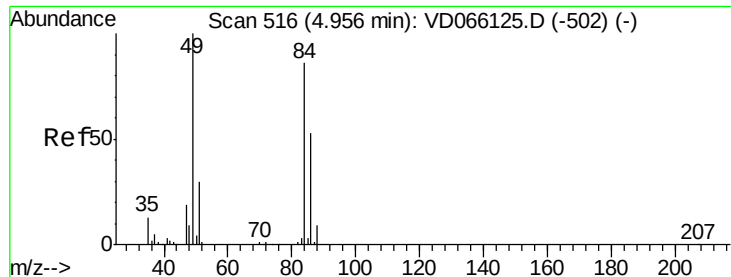
Tot Ion: 59 Resp: 621
Ion Ratio Lower Upper
59 100
57 11.4 7.0 10.4#



#16
Acetone
Concen: 145.183 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.01 min
Lab File: VD066225.D
Acq: 13 Aug 2020 22:04

Tgt Ion: 43 Resp: 70431
Ion Ratio Lower Upper
43 100
58 25.7 24.7 37.1

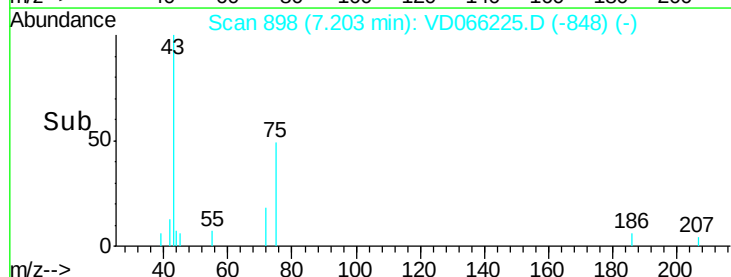
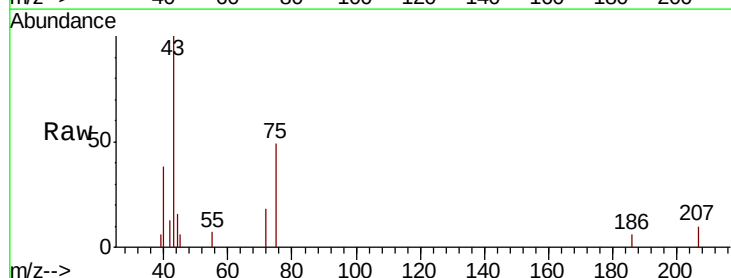
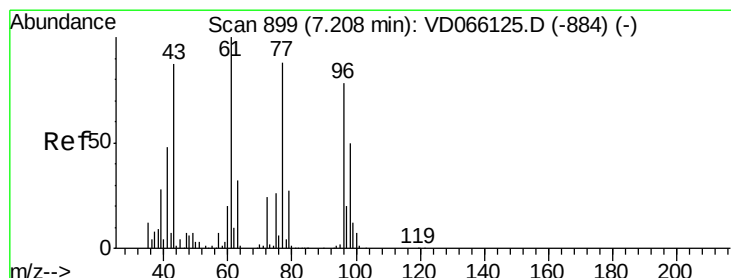
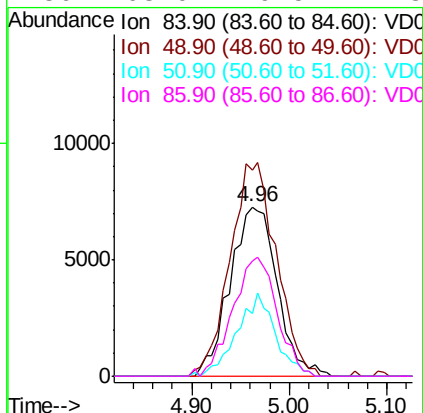




#20
Methylene Chloride
Concen: 4.526 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066225.D
Acq: 13 Aug 2020 22:04

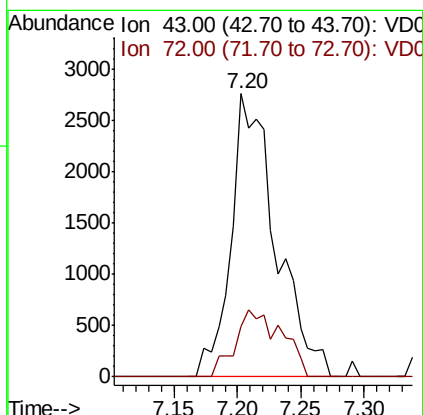
Instrument :
MSVOA_D
ClientSampleId :
RBR-374

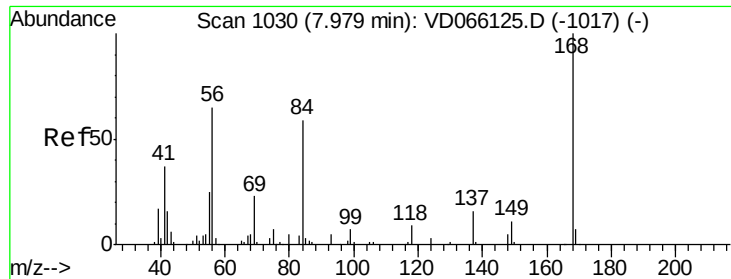
Tot Ion	84	Resp	24428
Ion	Ratio	Lower	Upper
84	100		
49	121.5	93.5	140.3
51	37.2	28.2	42.4
86	68.0	49.5	74.3



#25
2-Butanone
Concen: 9.490 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066225.D
Acq: 13 Aug 2020 22:04

Tgt Ion	43	Resp	6771
Ion	Ratio	Lower	Upper
43	100		
72	17.6	22.2	33.2#





#31

Cyclohexane

Concen: 1.352 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

Instrument :

MSVOA_D

ClientSampleId :

RBR-374

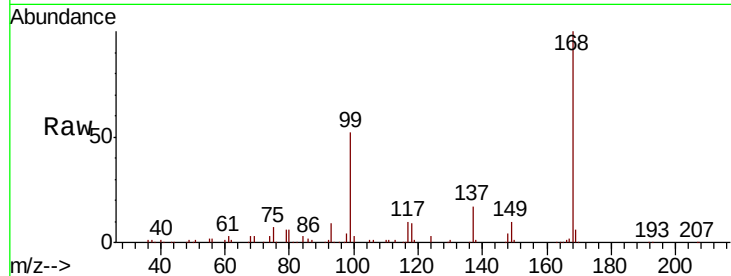
Tot Ion: 56 Resp: 6058

Ion Ratio Lower Upper

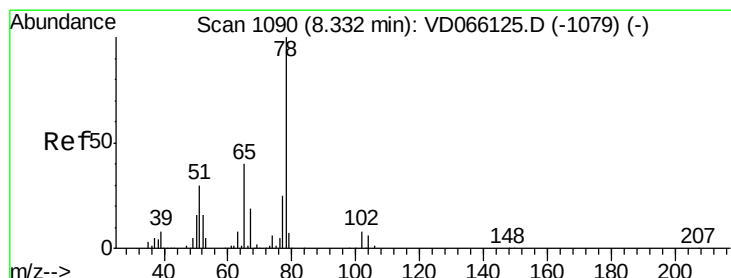
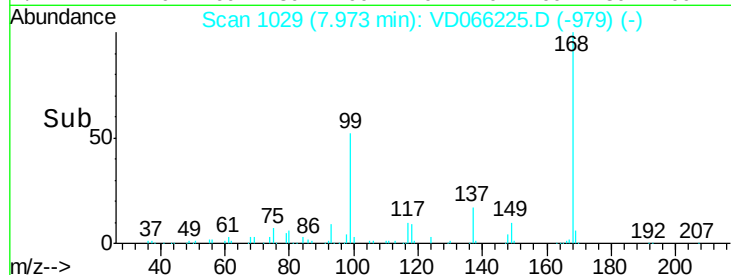
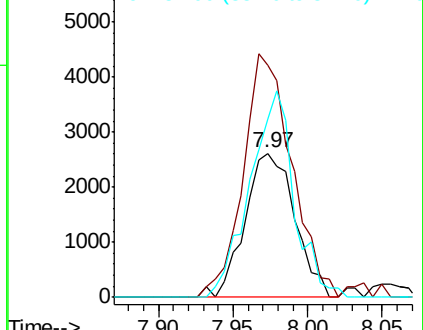
56 100

69 160.4 28.8 43.2#

84 123.4 73.0 109.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 47.665 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066225.D

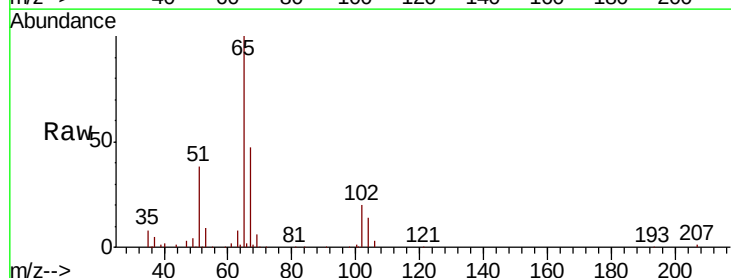
Acq: 13 Aug 2020 22:04

Tgt Ion: 65 Resp: 121867

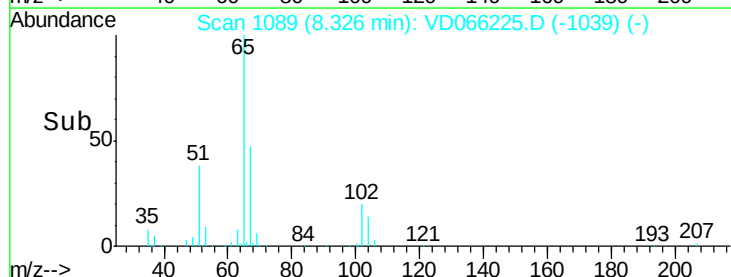
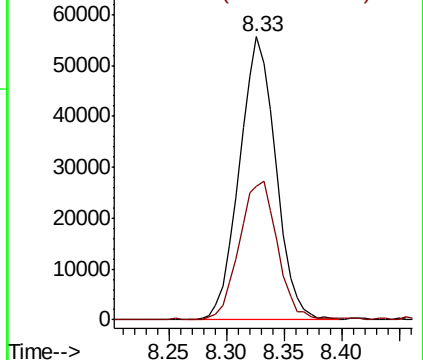
Ion Ratio Lower Upper

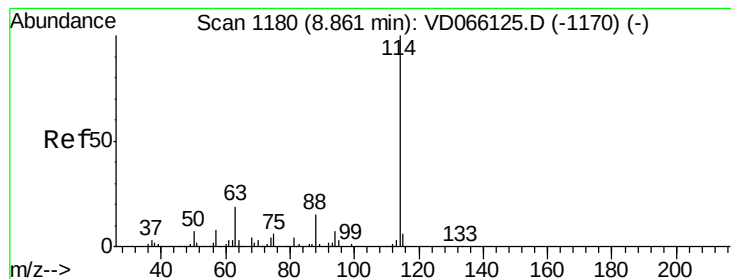
65 100

67 51.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

Instrument :

MSVOA_D

ClientSampleId :

RBR-374

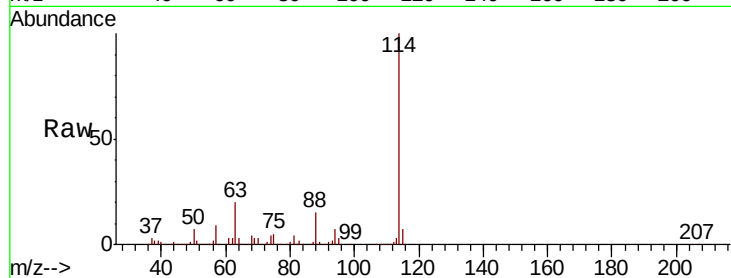
Tot Ion:114 Resp: 465460

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

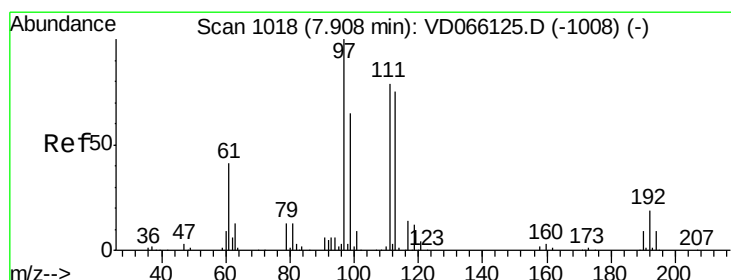
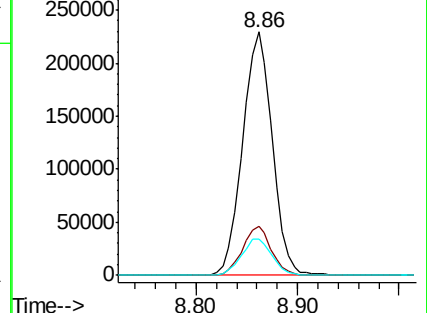
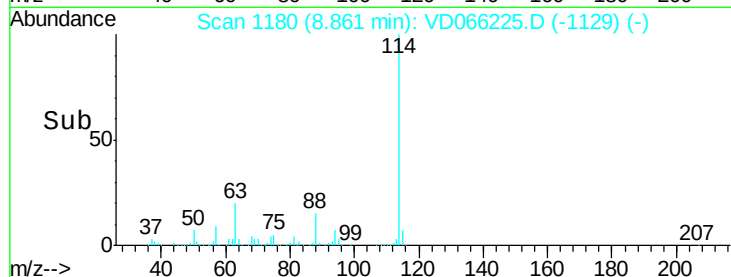
88 14.8 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.336 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

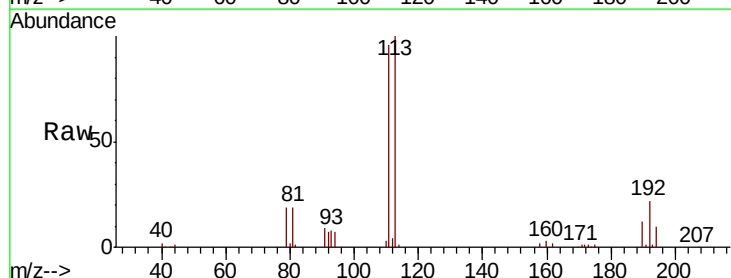
Tgt Ion:113 Resp: 142526

Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

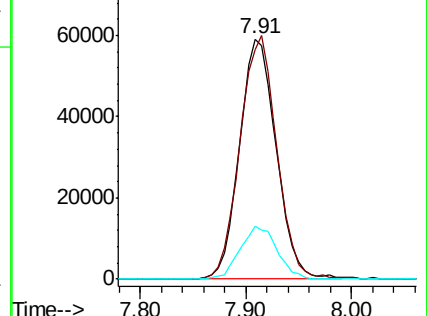
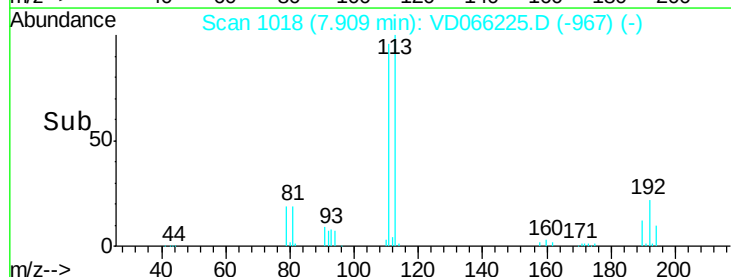
192 22.0 18.4 27.6

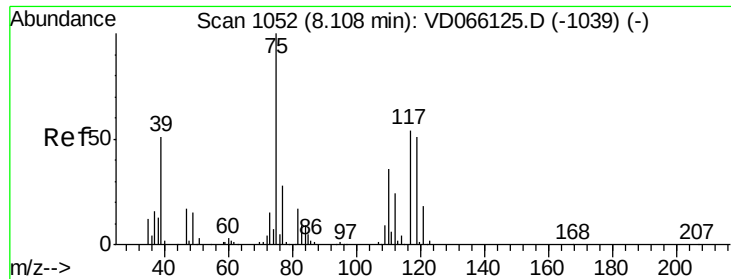


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

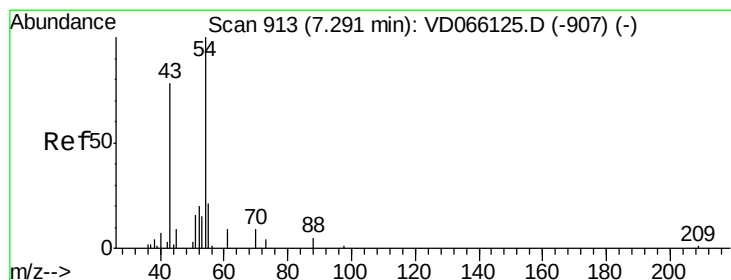
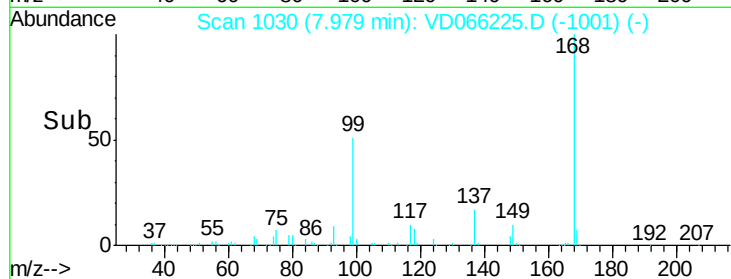
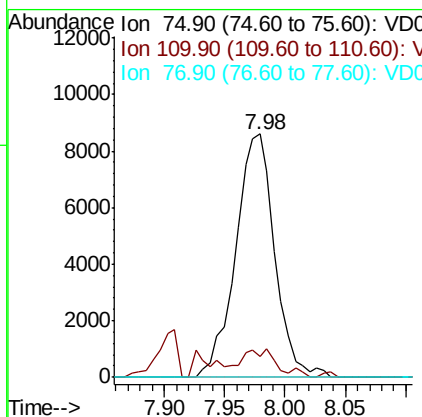
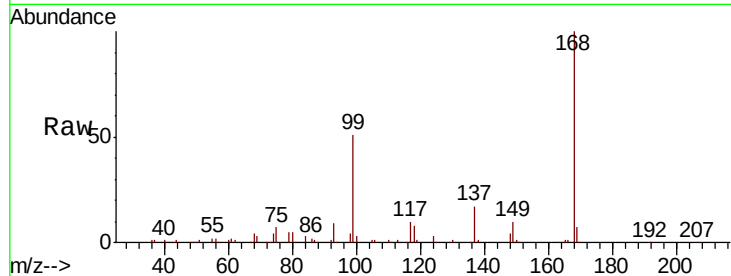




#36
 1,1-Dichloropropene
 Concen: 4.429 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066225.D
 Acq: 13 Aug 2020 22:04

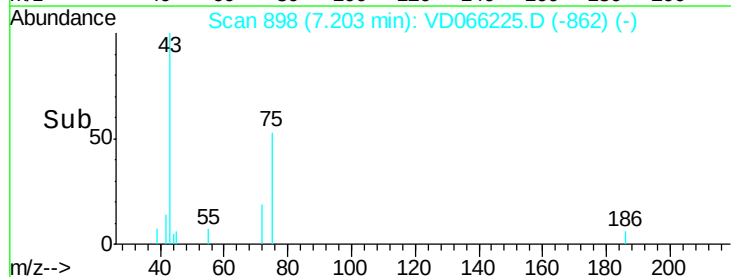
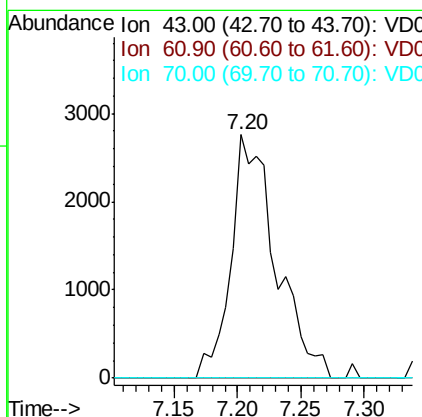
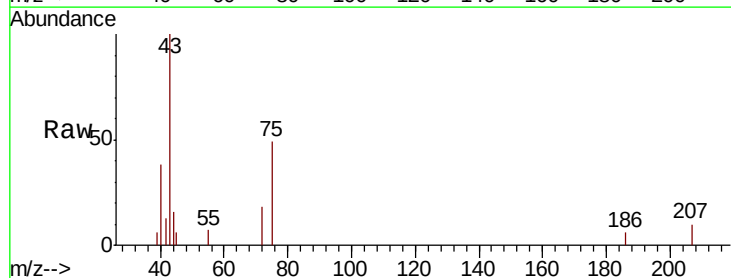
Instrument :
 MSVOA_D
 ClientSampleID :
 RBR-374

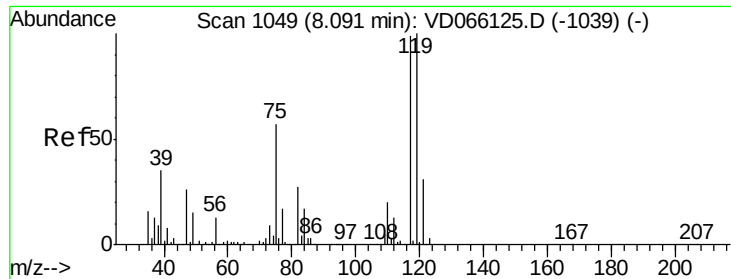
Tot Ion: 75 Resp: 19371
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.8 56.3#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 3.907 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.09 min
 Lab File: VD066225.D
 Acq: 13 Aug 2020 22:04

Tgt Ion: 43 Resp: 6771
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 70 0.0 9.7 14.5#





#38

Carbon Tetrachloride

Concen: 5.744 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

Instrument :

MSVOA_D

ClientSampleId :

RBR-374

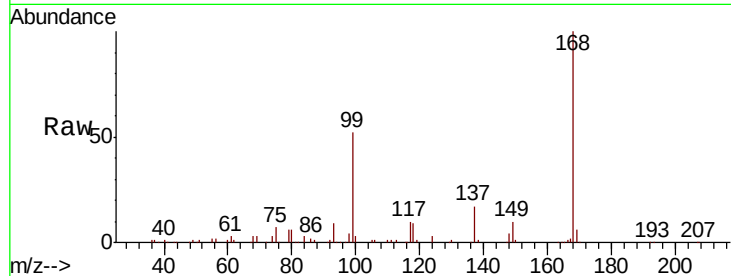
Tot Ion:117 Resp: 28016

Ion Ratio Lower Upper

117 100

119 5.1 81.0 121.4#

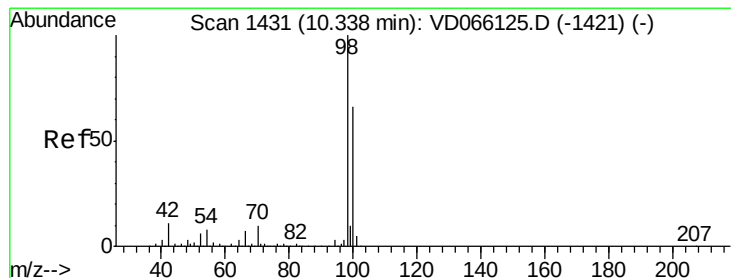
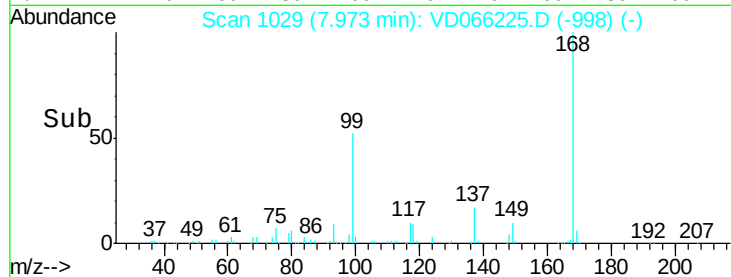
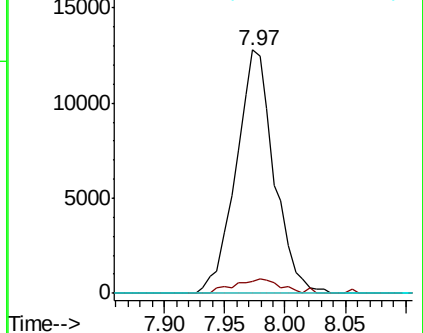
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 46.604 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066225.D

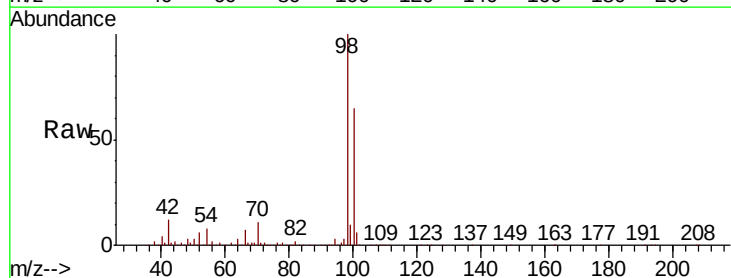
Acq: 13 Aug 2020 22:04

Tgt Ion: 98 Resp: 507113

Ion Ratio Lower Upper

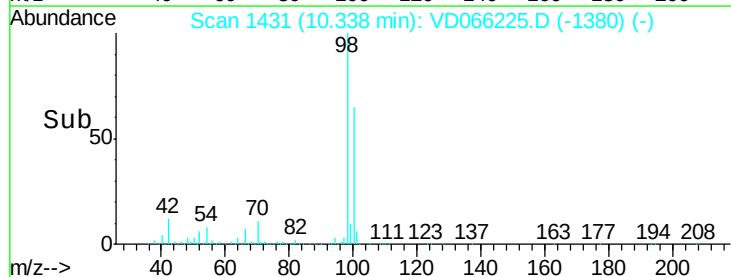
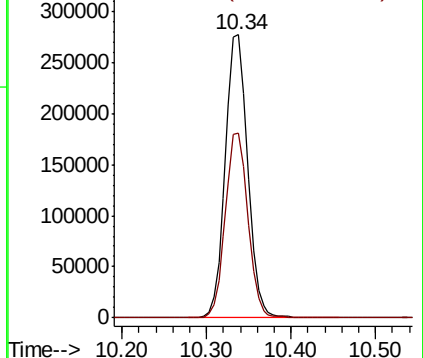
98 100

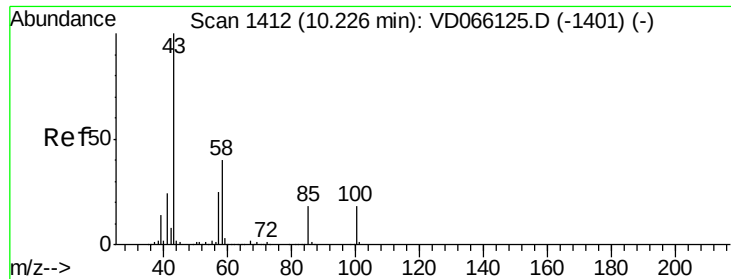
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.019 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

Instrument :

MSVOA_D

ClientSampleId :

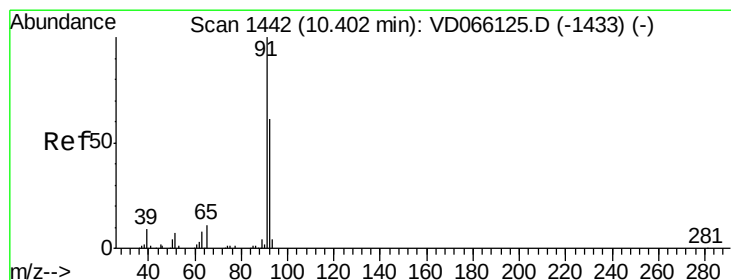
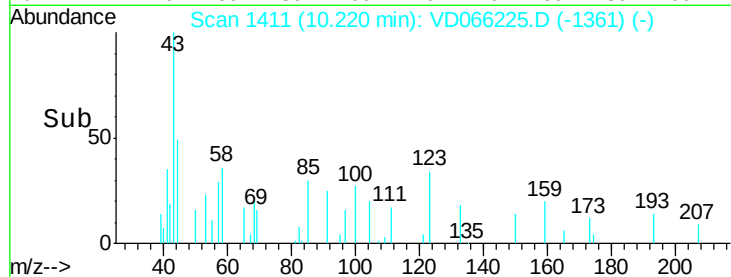
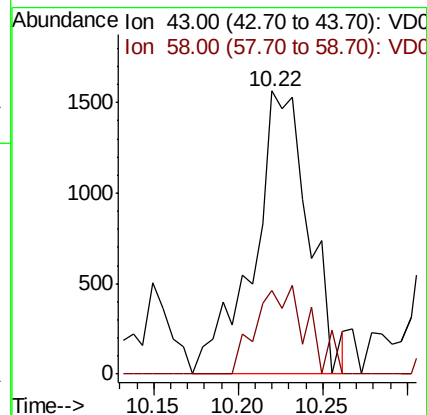
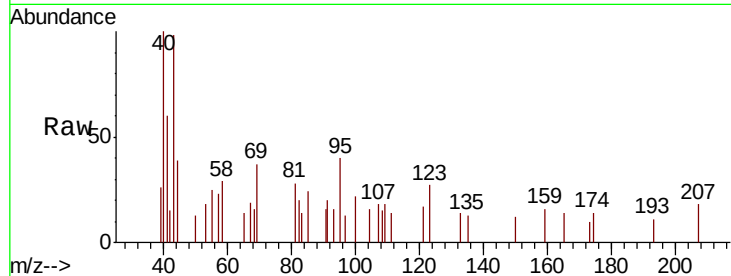
RBR-374

Tot Ion: 43 Resp: 3541

Ion Ratio Lower Upper

43 100

58 28.8 31.1 46.7#



#52

Toluene

Concen: 52.598 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066225.D

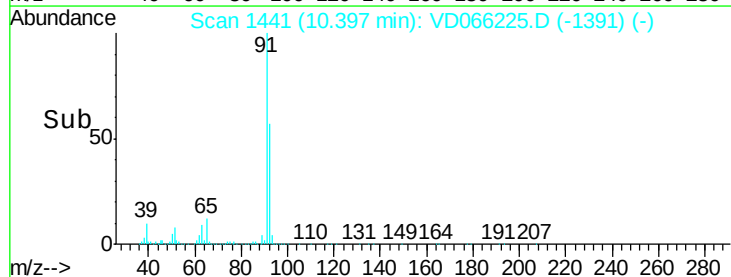
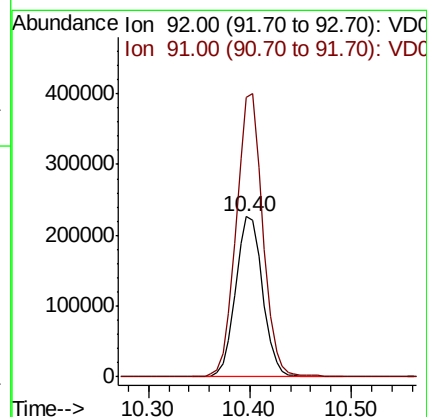
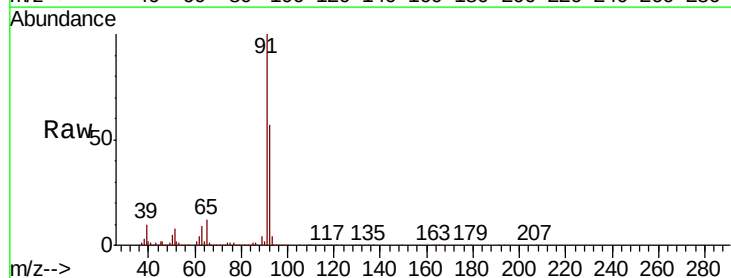
Acq: 13 Aug 2020 22:04

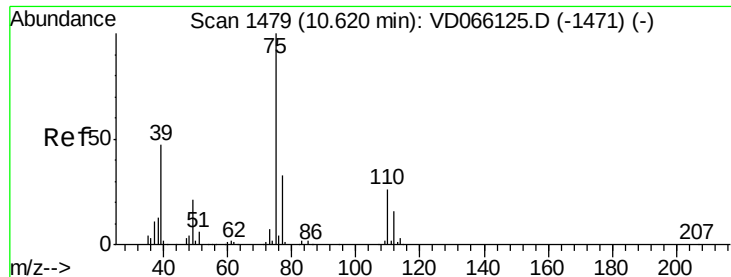
Tgt Ion: 92 Resp: 419952

Ion Ratio Lower Upper

92 100

91 172.7 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 1.336 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.22 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

Instrument :

MSVOA_D

ClientSampleId :

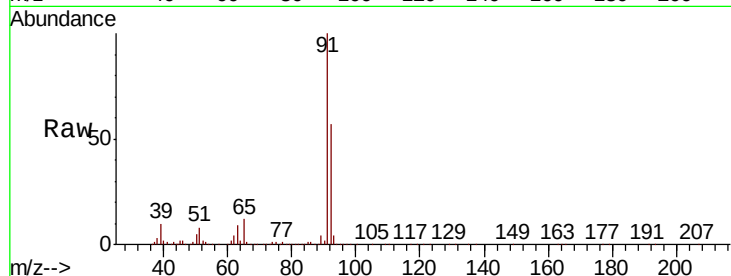
RBR-374

Tot Ion: 75 Resp: 5478

Ion Ratio Lower Upper

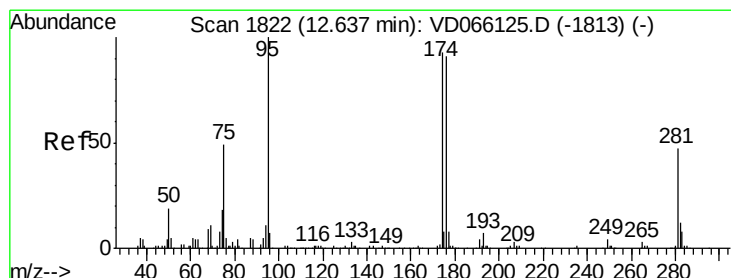
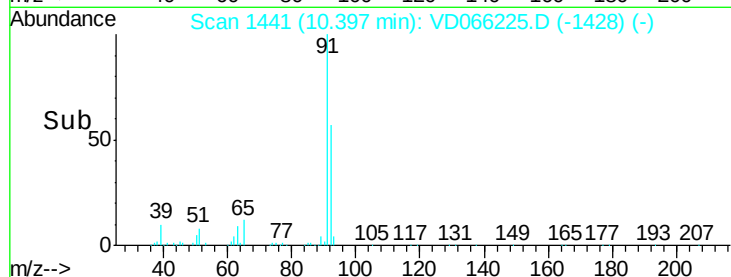
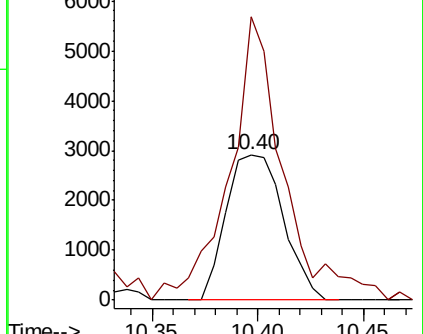
75 100

77 179.2 26.2 39.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#62

4-Bromofluorobenzene

Concen: 70.248 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066225.D

Acq: 13 Aug 2020 22:04

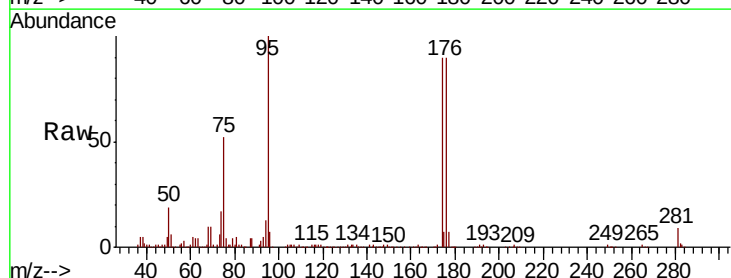
Tgt Ion: 95 Resp: 275532

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.8

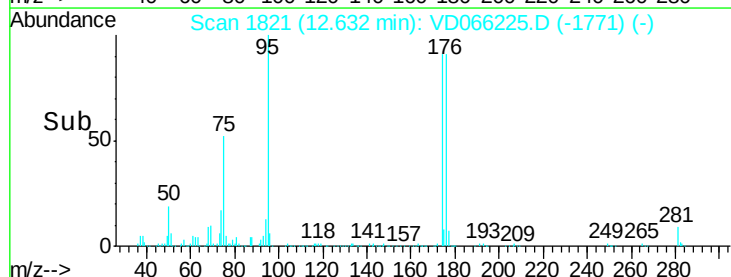
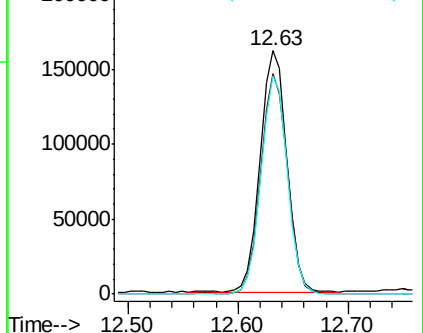
176 88.0 0.0 181.2

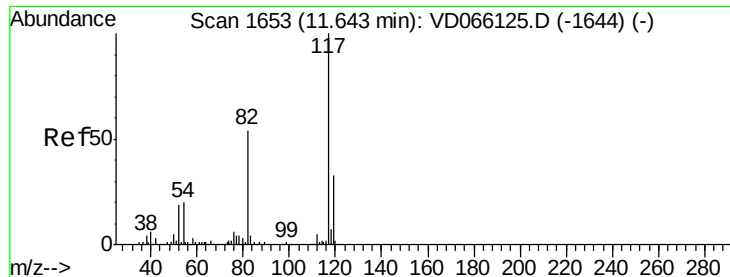


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

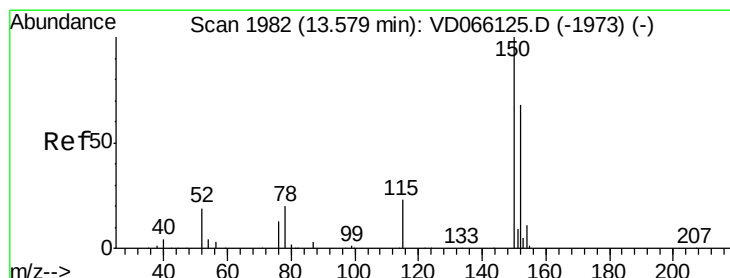
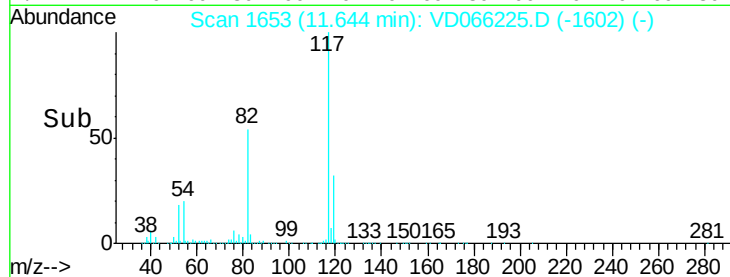
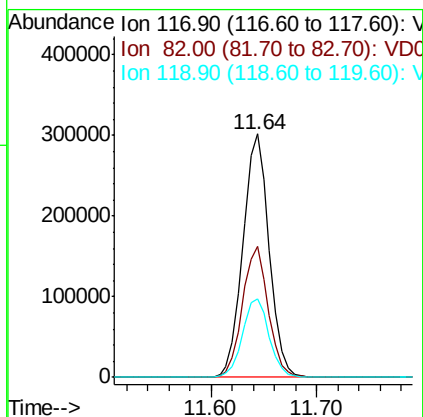
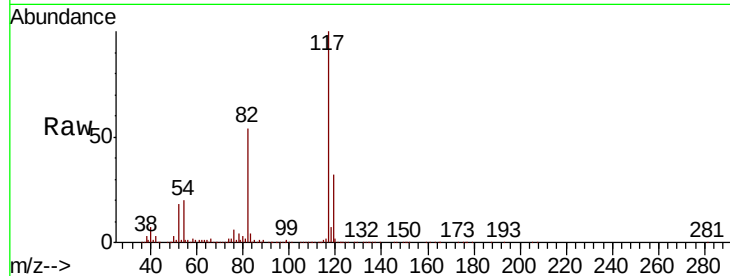




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066225.D
Acq: 13 Aug 2020 22:04

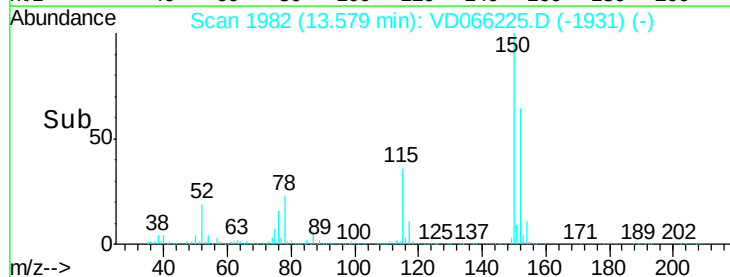
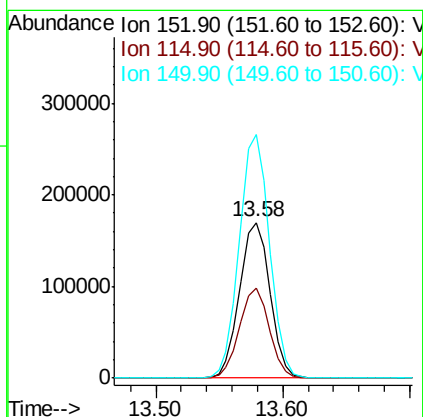
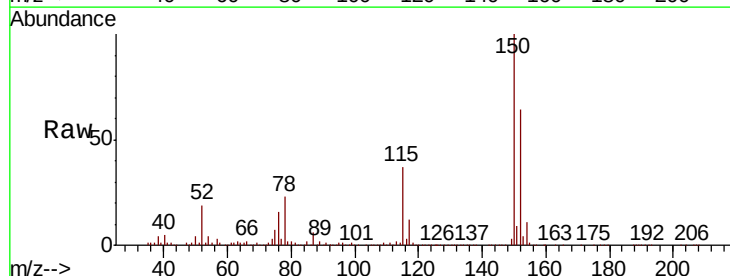
Instrument :
MSVOA_D
ClientSampleId :
RBR-374

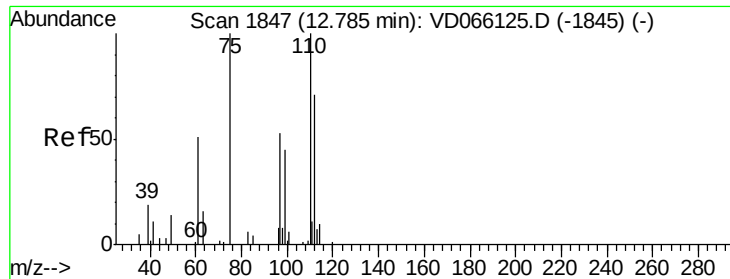
Tot Ion:117 Resp: 517907
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066225.D
Acq: 13 Aug 2020 22:04

Tgt Ion:152 Resp: 282828
Ion Ratio Lower Upper
152 100
115 56.6 28.0 83.9
150 154.9 0.0 346.4

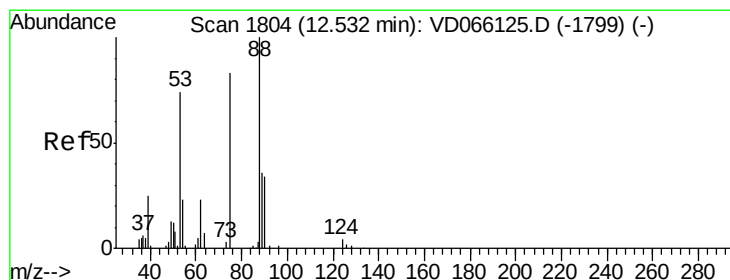
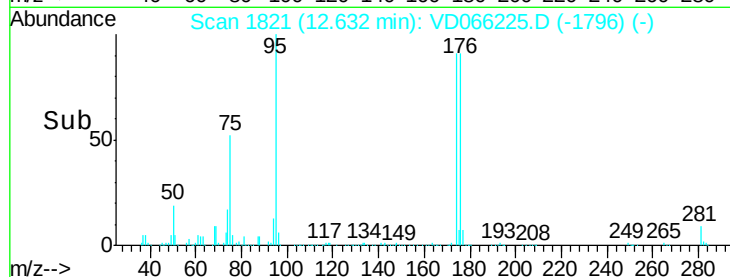
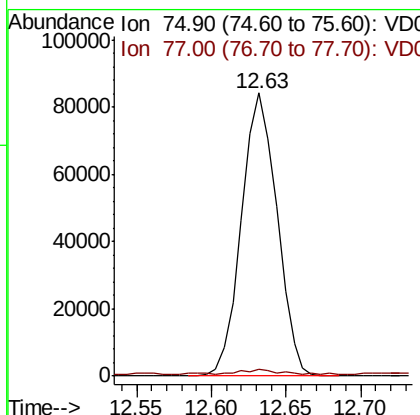
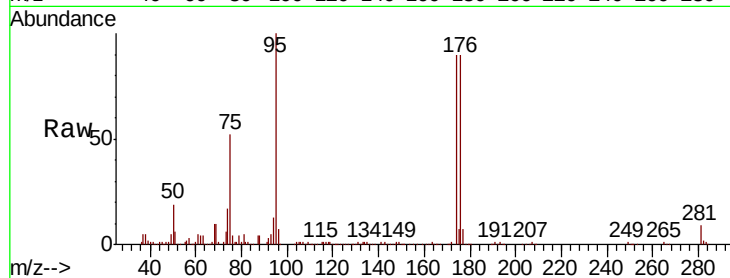




#76
 1,2,3-Trichloropropane
 Concen: 59.110 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066225.D
 Acq: 13 Aug 2020 22:04

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-374

Tot Ion: 75 Resp: 139417
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.667 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066225.D
 Acq: 13 Aug 2020 22:04

Tgt Ion: 75 Resp: 139417
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.1 36.6 55.0#

