

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061458.D
 Acq On : 31 Mar 2019 20:28
 Operator : VA/AP
 Sample : K2131-02RE
 Misc : 5.73q/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:56:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	511392	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.25	114	966143	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.38	117	716660	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	224145	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	256537	58.72	ug/l	0.05
Spiked Amount			Recovery	=	117.44%	
35) Dibromofluoromethane	6.95	113	349935	47.40	ug/l	0.05
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	10.43	98	743469	41.98	ug/l	0.05
Spiked Amount			Recovery	=	83.96%	
62) 4-Bromofluorobenzene	13.56	95	274993	40.50	ug/l	0.02
Spiked Amount			Recovery	=	81.00%	

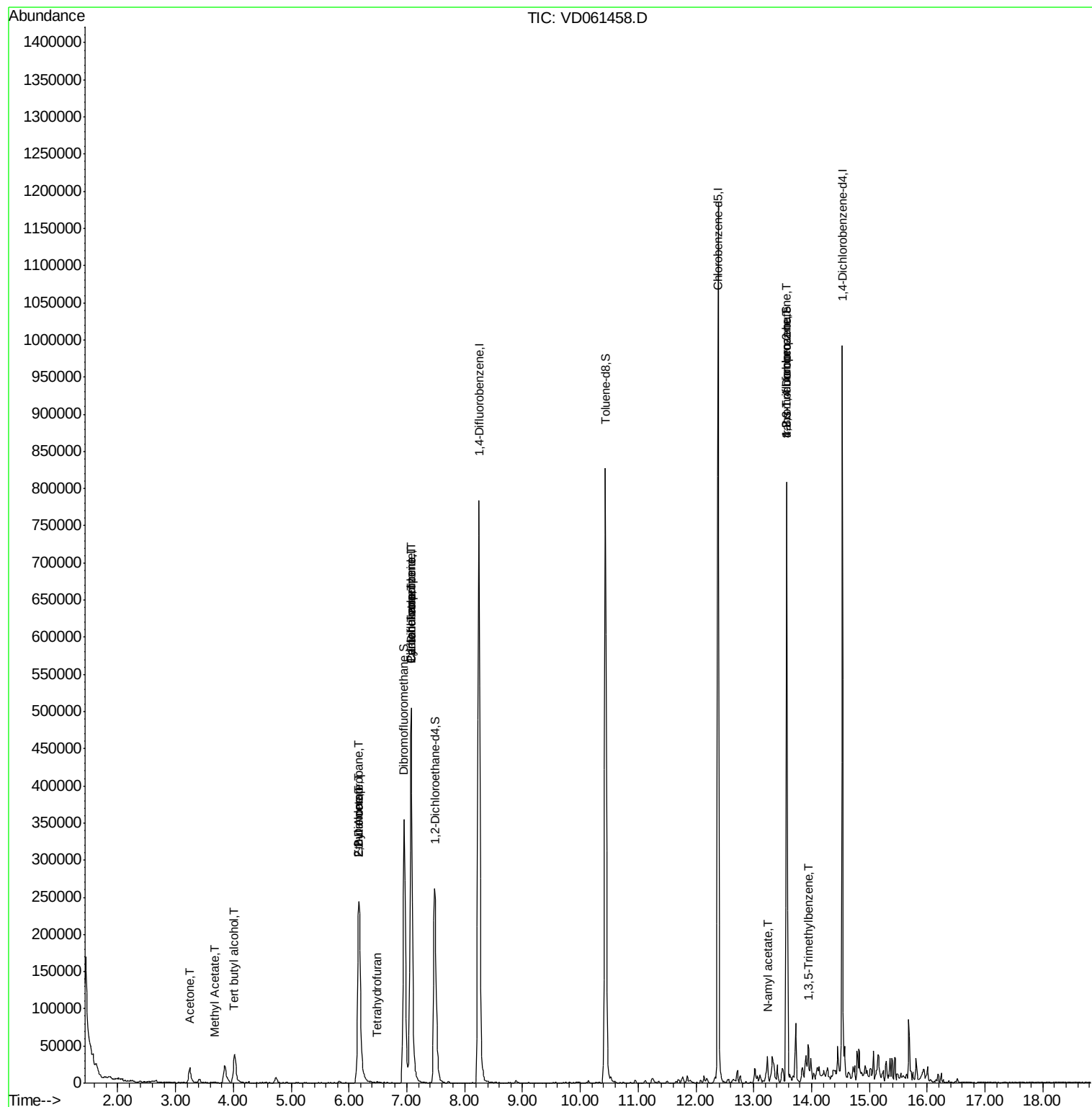
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.02	59	37319	137.173	ug/l #	76
16) Acetone	3.25	43	41450	36.910	ug/l	95
18) Methyl Acetate	3.67	43	3405	1.442	ug/l #	55
25) 2-Butanone	6.17	43	14980	10.604	ug/l #	73
26) 2,2-Dichloropropane	6.17	77	19365	2.558	ug/l #	50
29) Tetrahydrofuran	6.50	42	1246	1.820	ug/l #	42
31) Cyclohexane	7.07	56	8804	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	39704	4.709	ug/l #	44
37) Ethyl Acetate	6.17	43	14979	4.154	ug/l #	1
38) Carbon Tetrachloride	7.08	117	48443	5.000	ug/l #	14
74) N-amyl acetate	13.23	43	6805	1.566	ug/l #	49
76) 1,2,3-Trichloropropane	13.56	75	101042	31.207	ug/l #	45
80) 1,3,5-Trimethylbenzene	13.95	105	12580	1.039	ug/l	86
81) trans-1,4-Dichloro-2-buten	13.56	75	102241	103.565	ug/l #	18

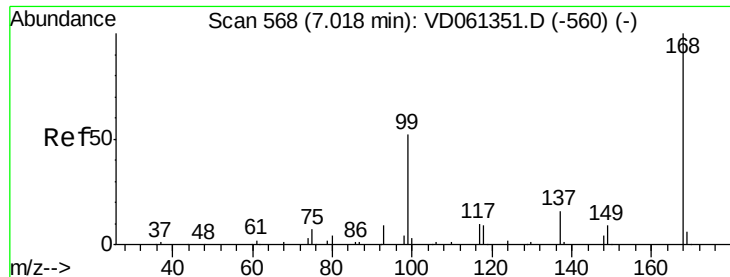
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.06 min

Lab File: VD061458.D

Acq: 31 Mar 2019 20:28

Instrument :

MSVOA_D

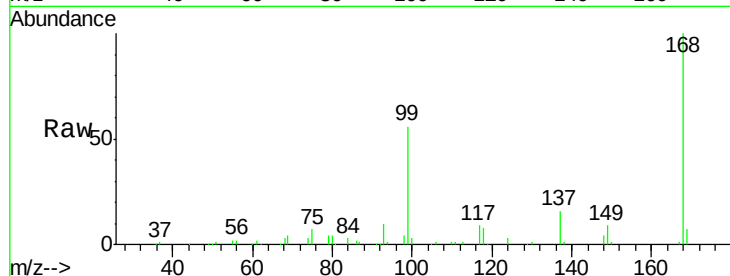
ClientSampled :

Tot Ion:168 Resp: 511392

Ion Ratio Lower Upper

168 100

99 55.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

200000

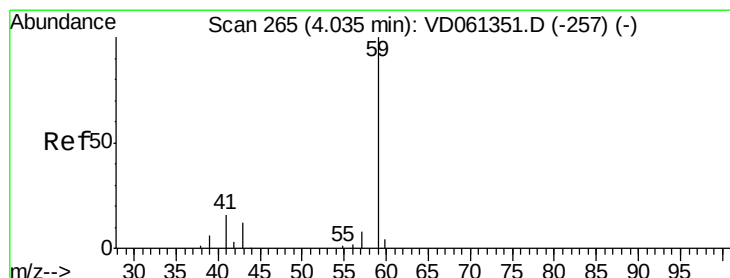
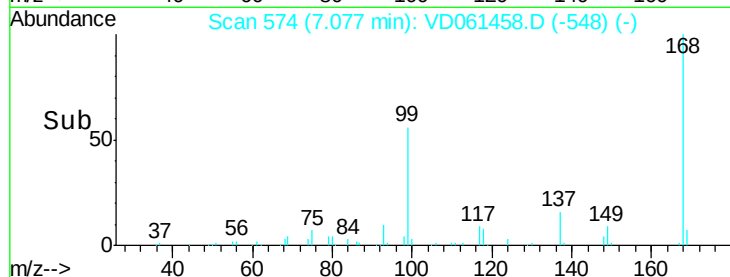
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 137.173 ug/l

RT: 4.02 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD061458.D

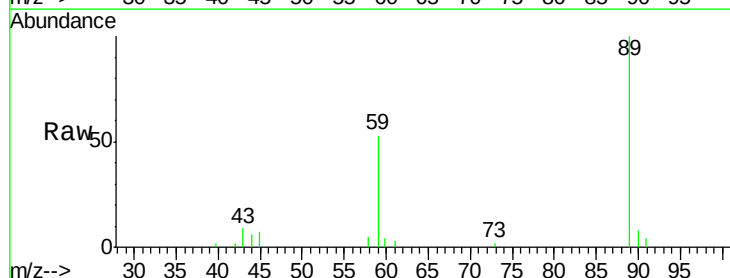
Acq: 31 Mar 2019 20:28

Tgt Ion: 59 Resp: 37319

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.02

12000

10000

8000

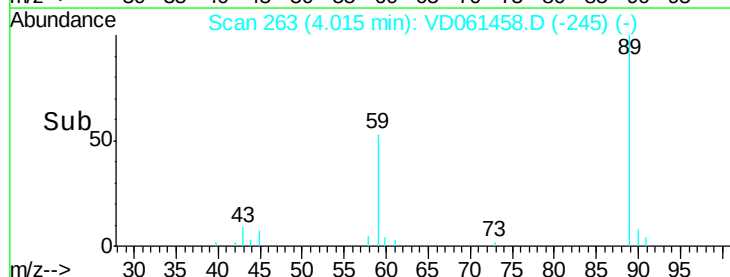
6000

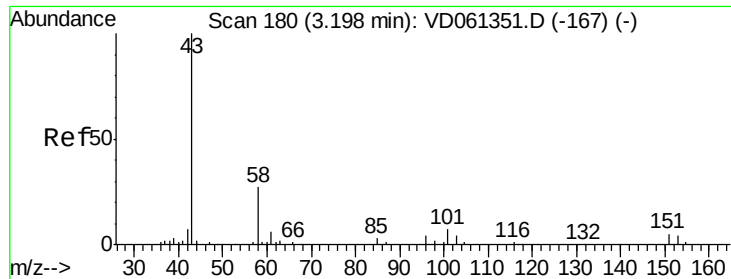
4000

2000

0

Time-->





#16

Acetone

Concen: 36.910 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD061458.D

Acq: 31 Mar 2019 20:28

Instrument :

MSVOA_D

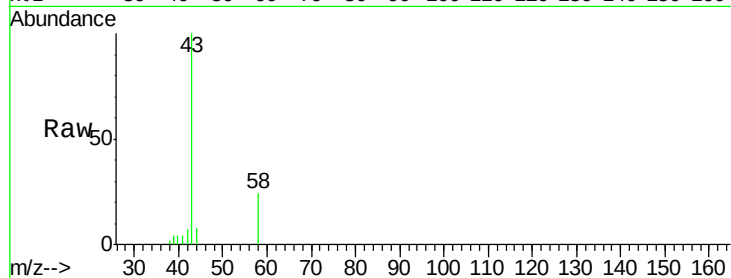
ClientSampled :

Tot Ion: 43 Resp: 41450

Ion Ratio Lower Upper

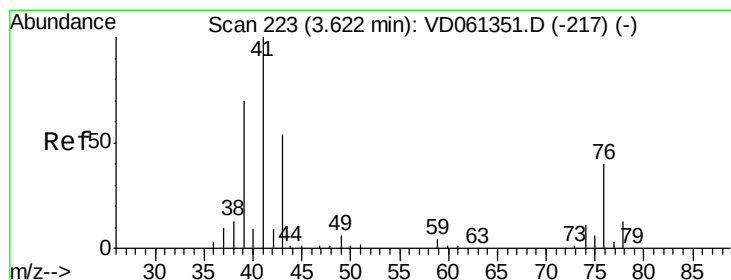
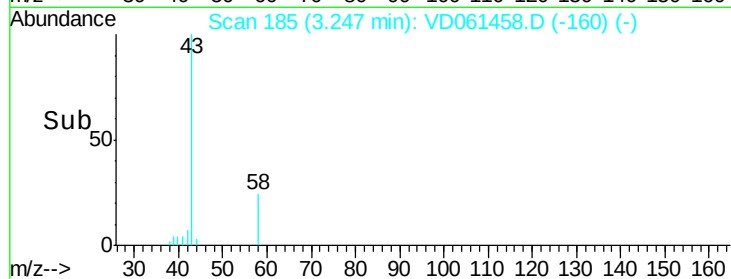
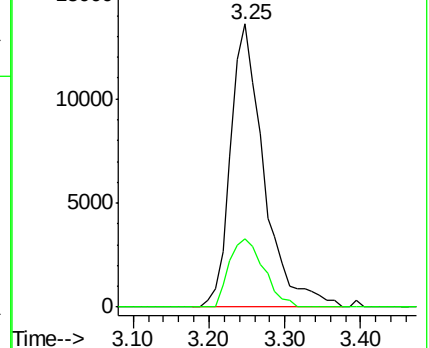
43 100

58 24.3 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.442 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.05 min

Lab File: VD061458.D

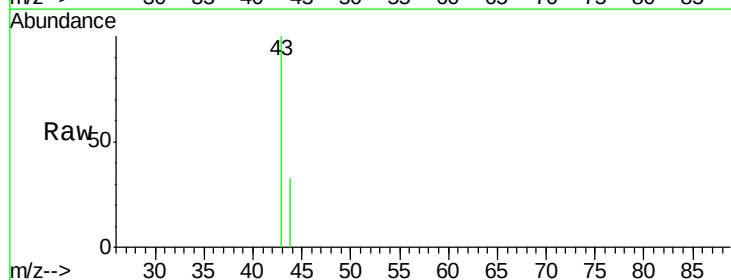
Acq: 31 Mar 2019 20:28

Tgt Ion: 43 Resp: 3405

Ion Ratio Lower Upper

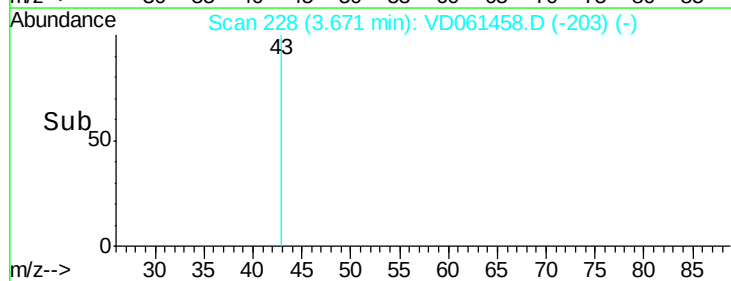
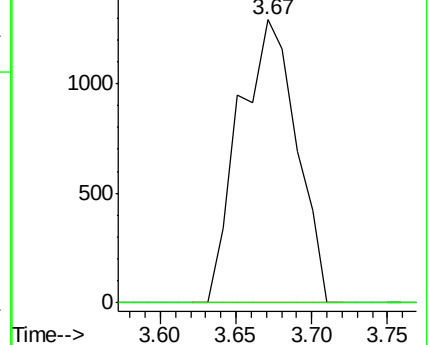
43 100

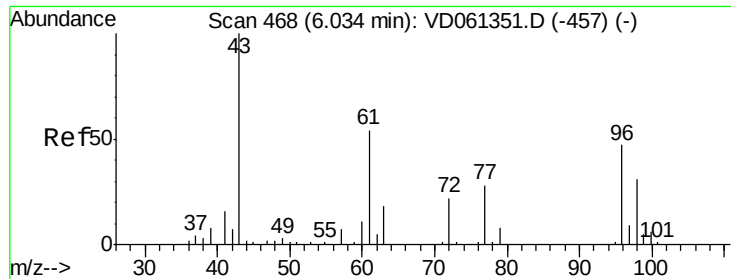
74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

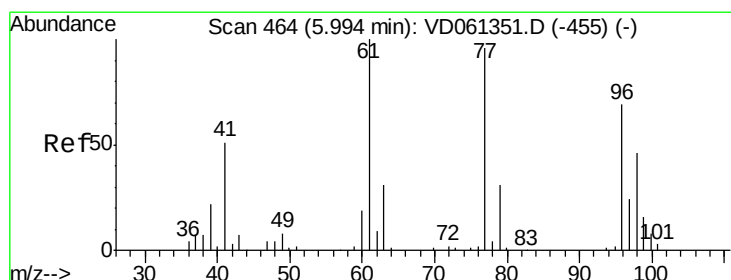
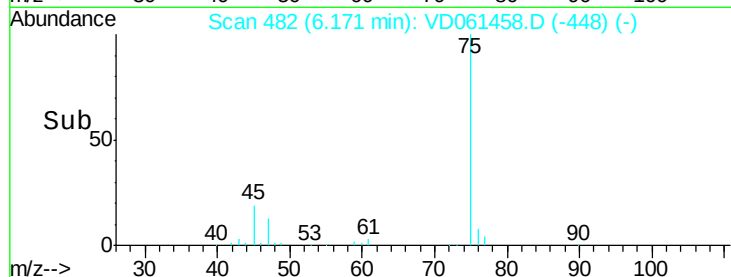
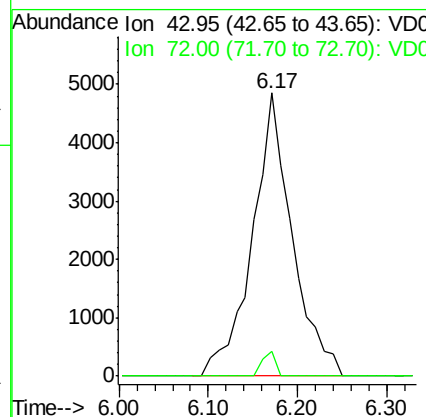
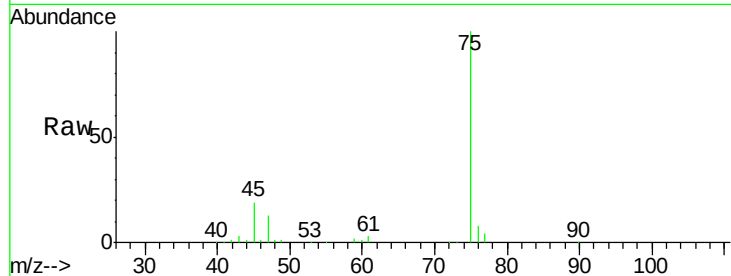




#25
2-Butanone
Concen: 10.604 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.14 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

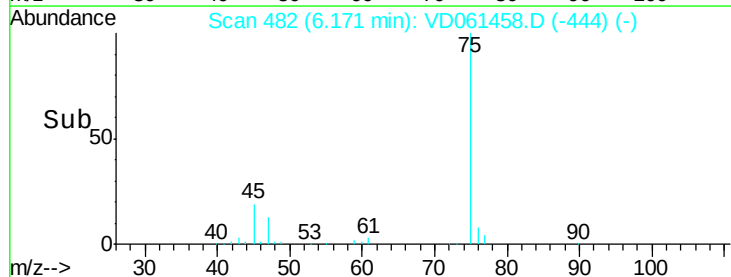
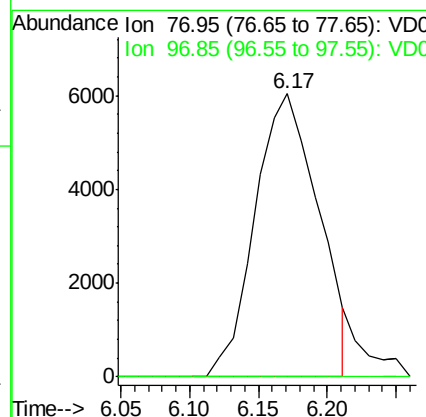
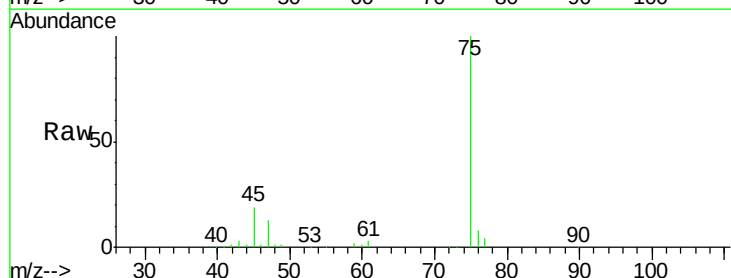
Instrument :
MSVOA_D
ClientSampled :

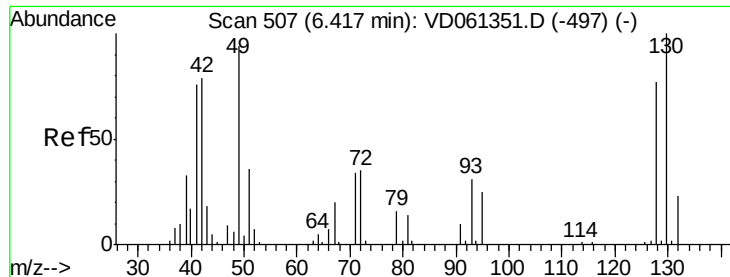
Tot Ion: 43 Resp: 14980
Ion Ratio Lower Upper
43 100
72 8.8 17.2 25.8#



#26
2,2-Dichloropropane
Concen: 2.558 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.18 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

Tgt Ion: 77 Resp: 19365
Ion Ratio Lower Upper
77 100
97 0.0 12.7 38.0#

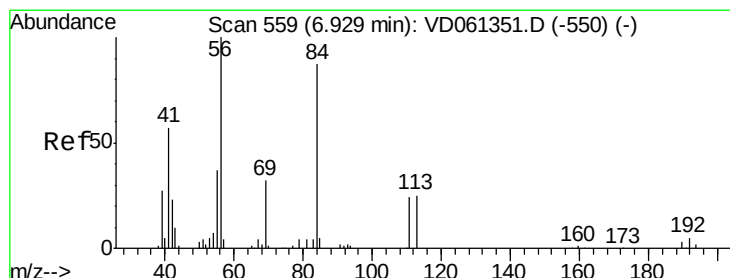
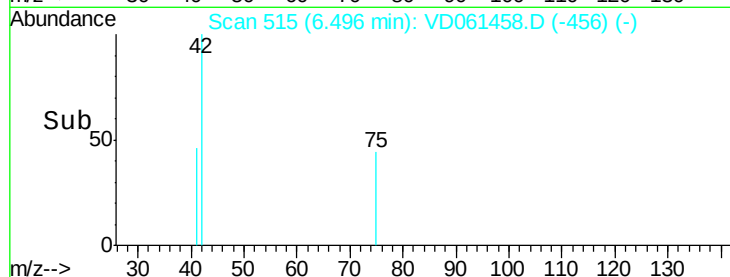
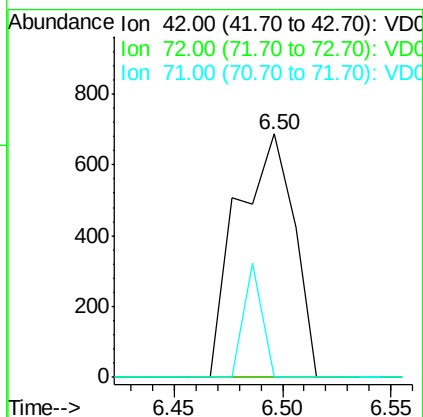
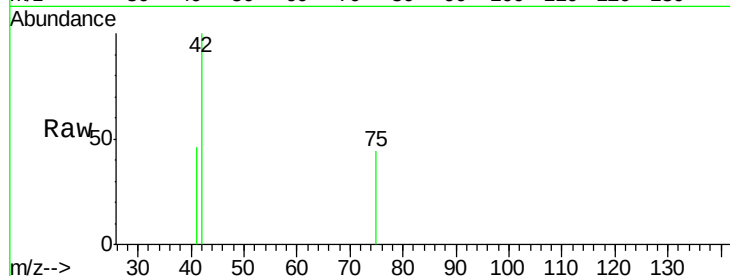




#29
Tetrahydrofuran
Concen: 1.820 ug/l
RT: 6.50 min Scan# 515
Delta R.T. 0.08 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

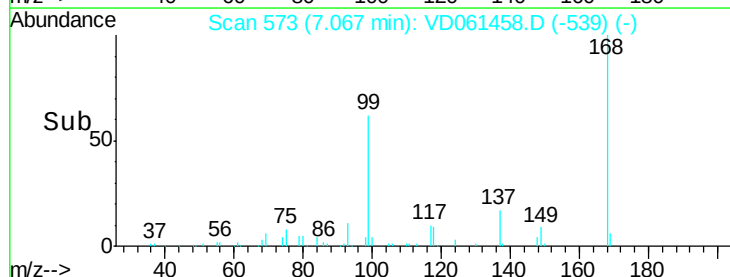
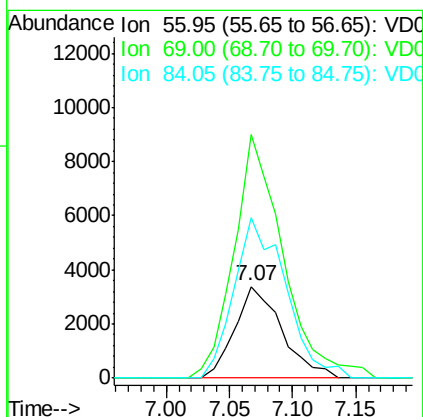
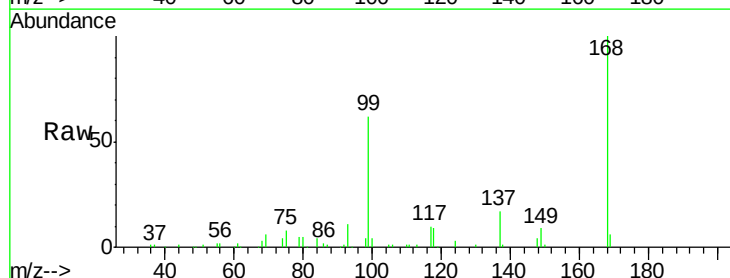
Instrument :
MSVOA_D
ClientSampled :

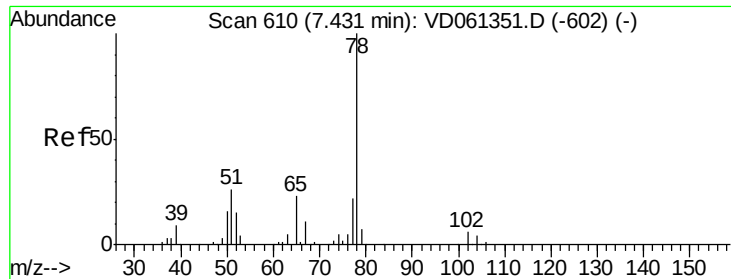
Tot Ion: 42 Resp: 1246
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 15.2 36.7 55.1#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.14 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

Tgt Ion: 56 Resp: 8804
Ion Ratio Lower Upper
56 100
69 265.4 25.7 38.5#
84 174.3 70.6 105.8#

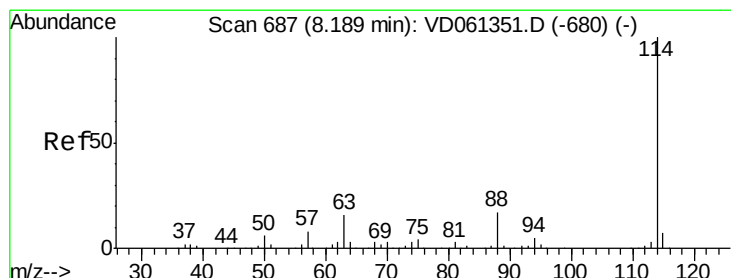
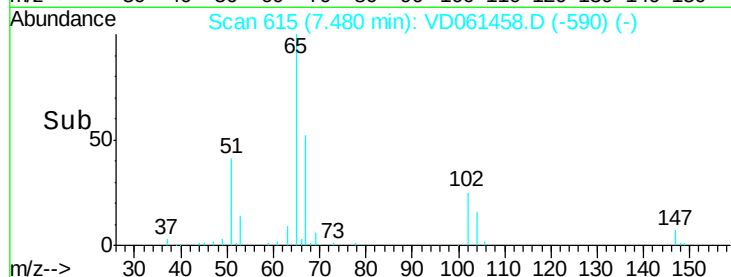
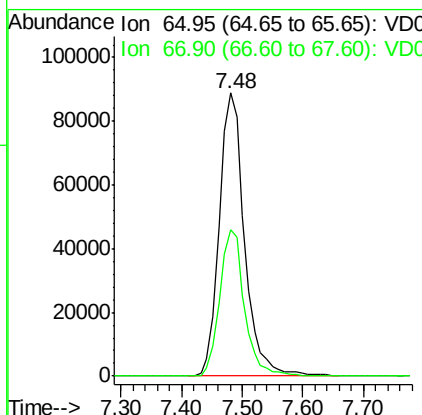
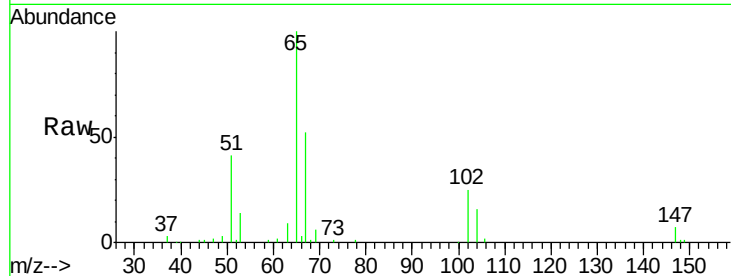




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: VD061458.D
 Acq: 31 Mar 2019 20:28

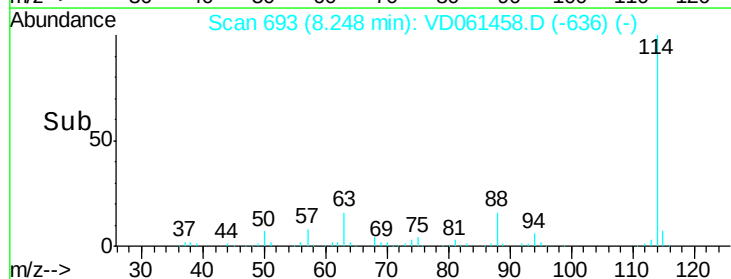
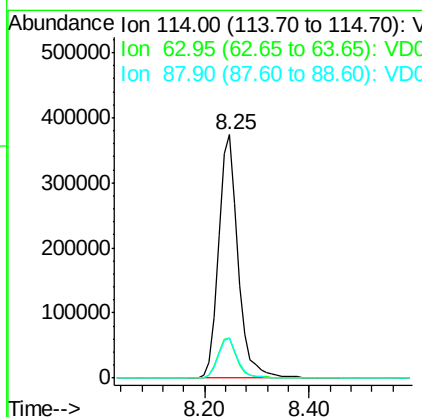
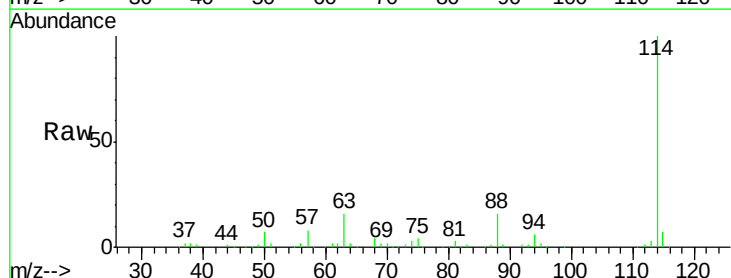
Instrument :
 MSVOA_D
 ClientSampleId :

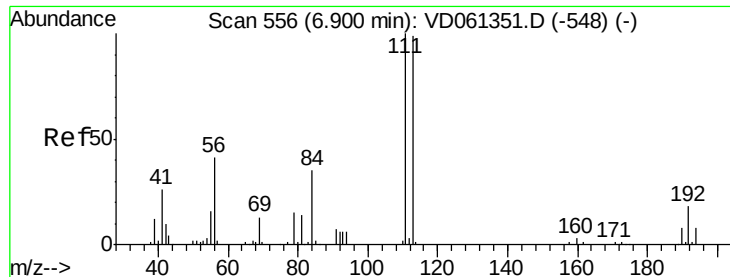
Tot Ion: 65 Resp: 256537
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.06 min
 Lab File: VD061458.D
 Acq: 31 Mar 2019 20:28

Tgt Ion: 114 Resp: 966143
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.6
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD061458.D

Acq: 31 Mar 2019 20:28

Instrument :
MSVOA_D
ClientSampleId :

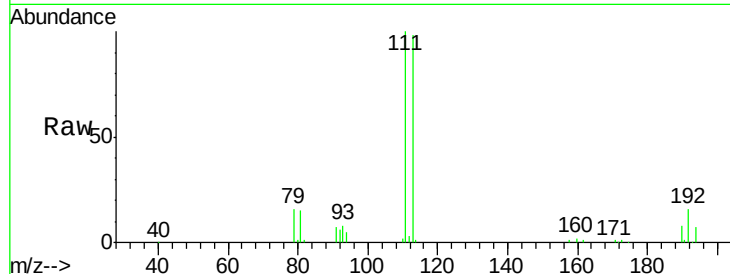
Tot Ion:113 Resp: 349935

Ion Ratio Lower Upper

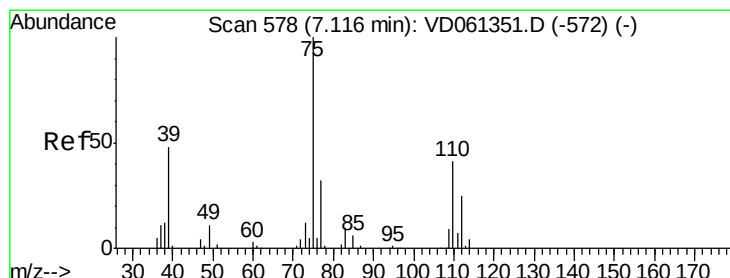
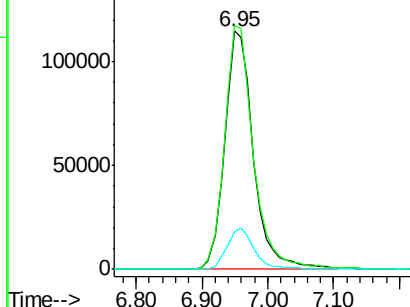
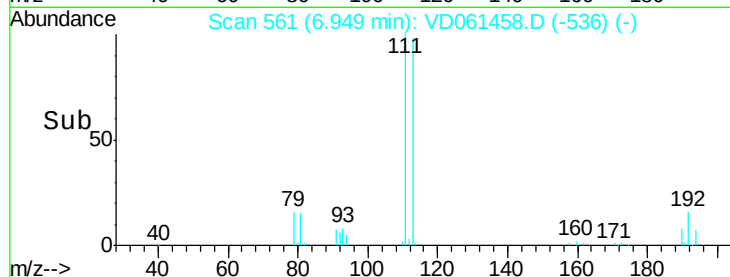
113 100

111 102.2 81.0 121.6

192 16.0 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.709 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061458.D

Acq: 31 Mar 2019 20:28

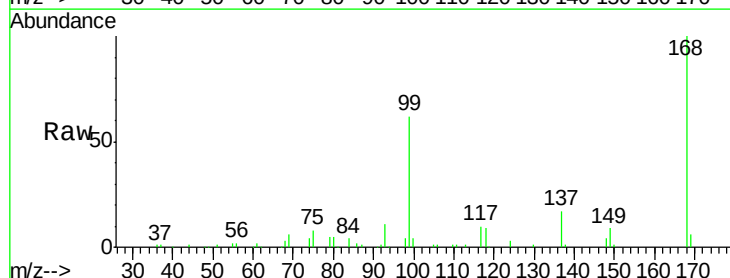
Tgt Ion: 75 Resp: 39704

Ion Ratio Lower Upper

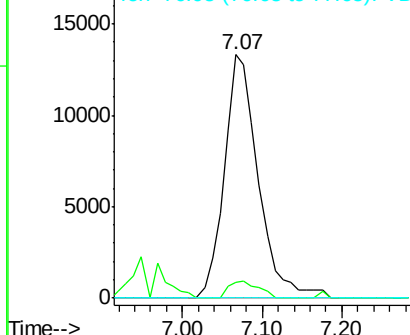
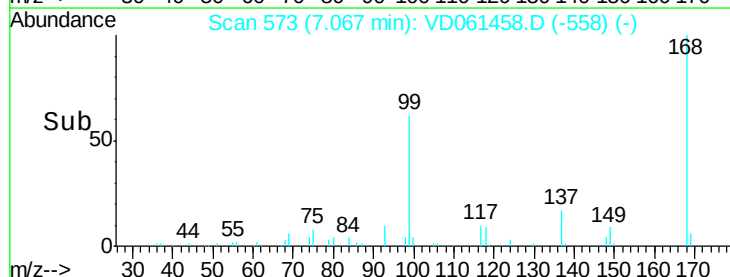
75 100

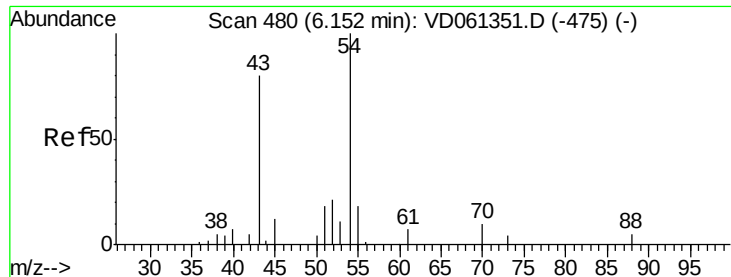
110 6.3 20.4 61.3#

77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

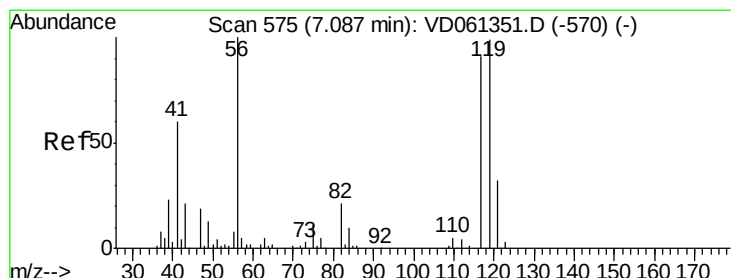
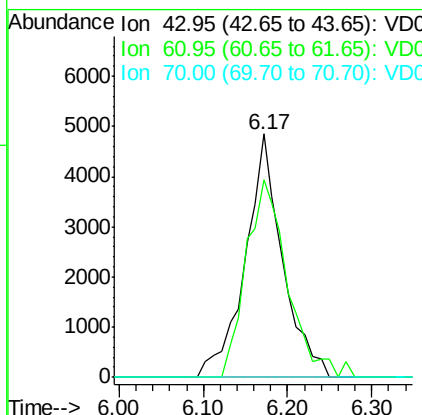
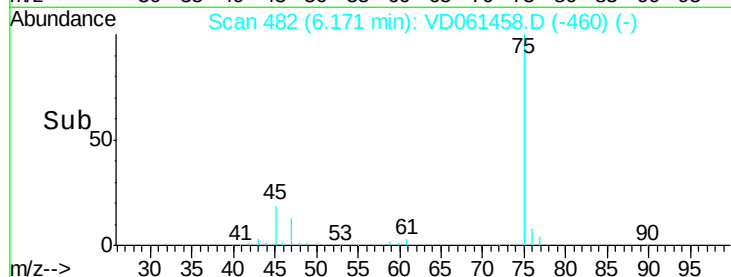
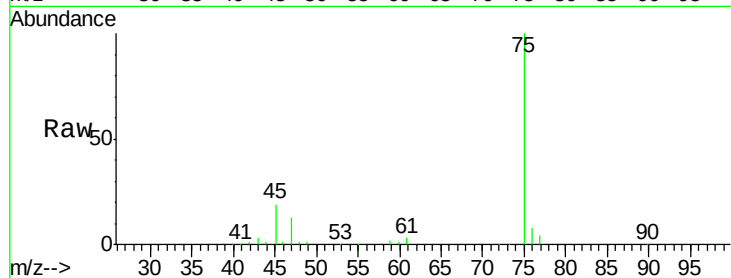




#37
Ethyl Acetate
Concen: 4.154 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

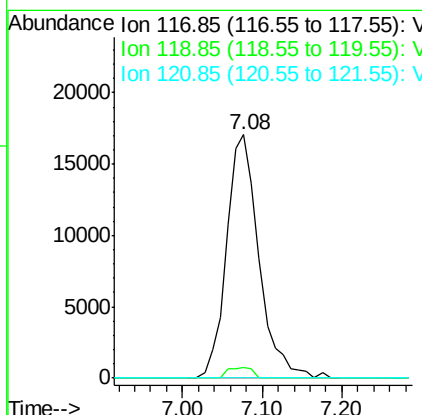
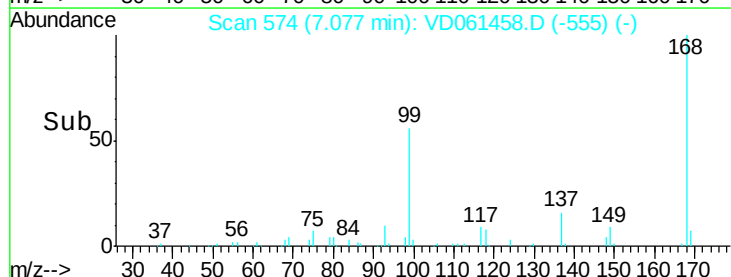
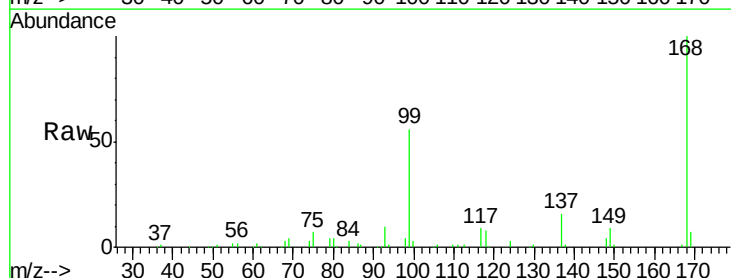
Instrument :
MSVOA_D
ClientSampleId :

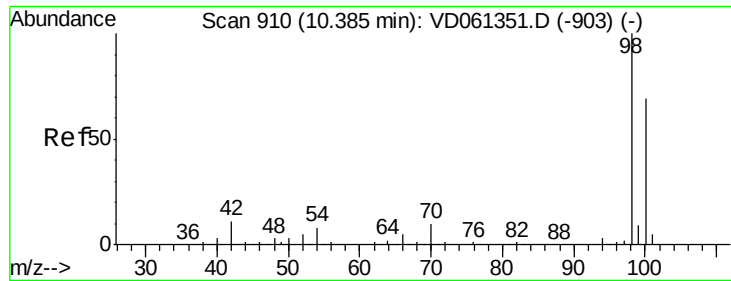
Tot Ion: 43 Resp: 14979
Ion Ratio Lower Upper
43 100
61 81.3 13.8 20.8#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.01 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

Tgt Ion: 117 Resp: 48443
Ion Ratio Lower Upper
117 100
119 4.6 80.1 120.1#
121 0.0 25.6 38.4#

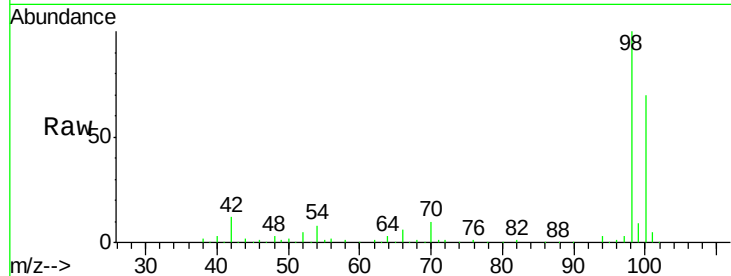




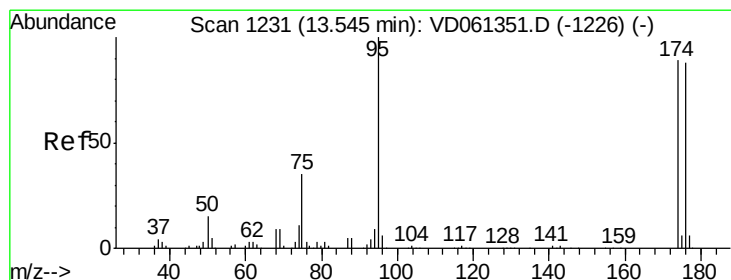
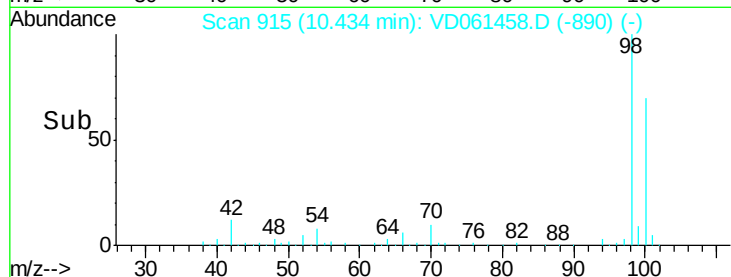
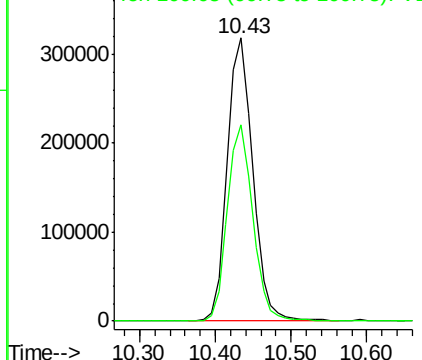
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.05 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 743469
Ion Ratio Lower Upper
98 100
100 69.6 56.2 84.2

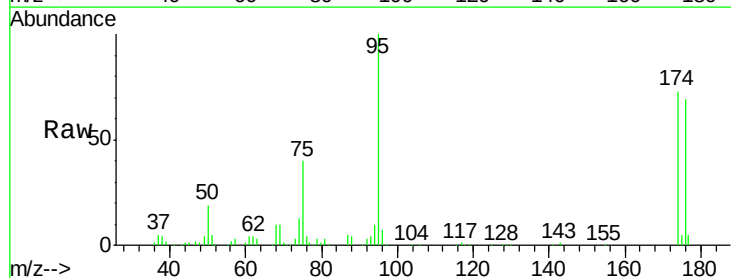


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

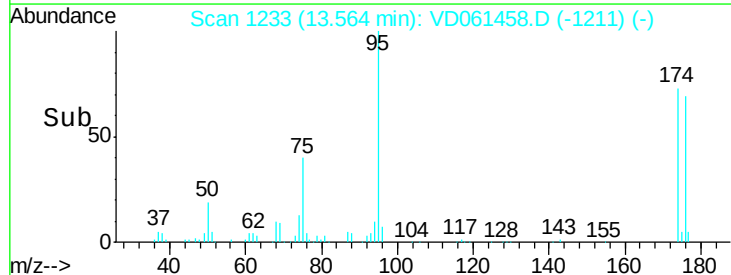
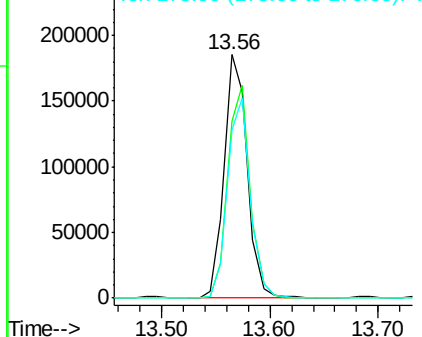


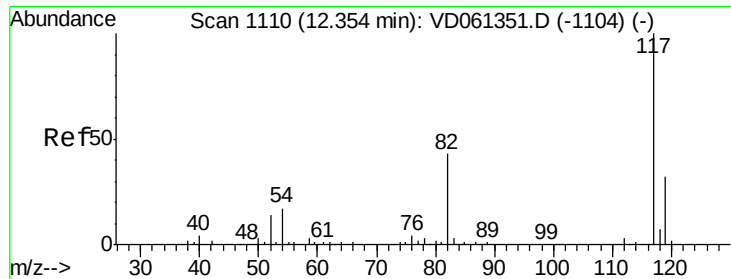
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

Tgt Ion: 95 Resp: 274993
Ion Ratio Lower Upper
95 100
174 72.6 0.0 178.0
176 68.9 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)
Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)
Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD061458.D

Acq: 31 Mar 2019 20:28

Instrument :

MSVOA_D

ClientSampled :

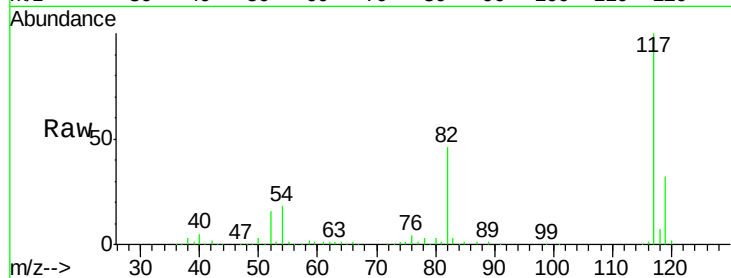
Tot Ion:117 Resp: 716660

Ion Ratio Lower Upper

117 100

82 46.1 34.4 51.6

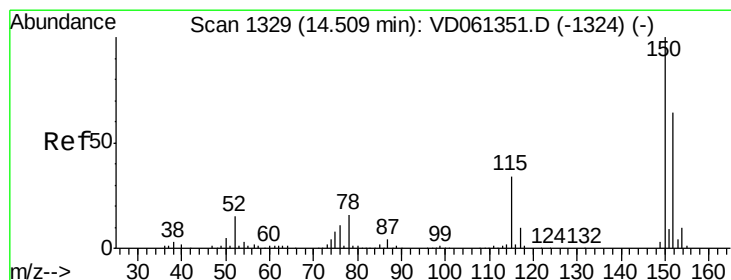
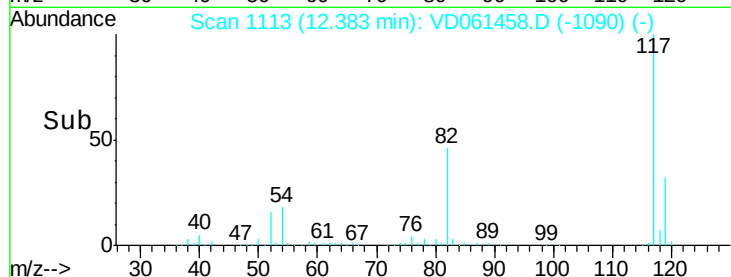
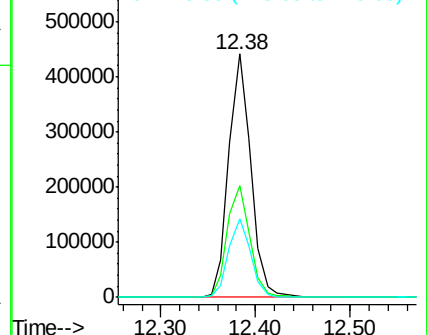
119 32.1 25.8 38.6



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061458.D

Acq: 31 Mar 2019 20:28

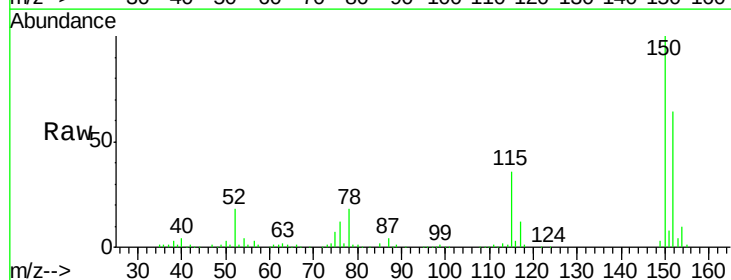
Tgt Ion:152 Resp: 224145

Ion Ratio Lower Upper

152 100

115 56.3 26.9 80.6

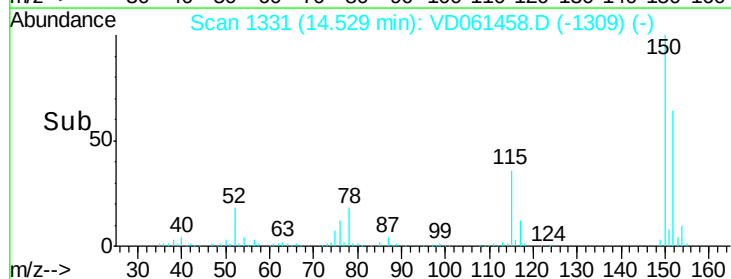
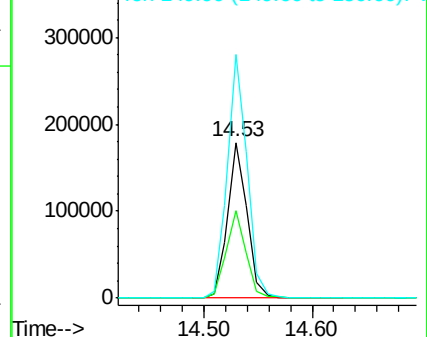
150 156.8 0.0 318.0

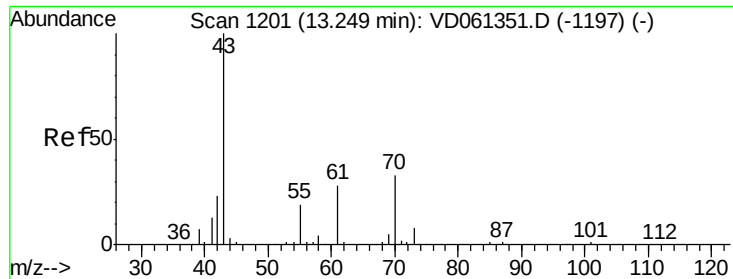


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

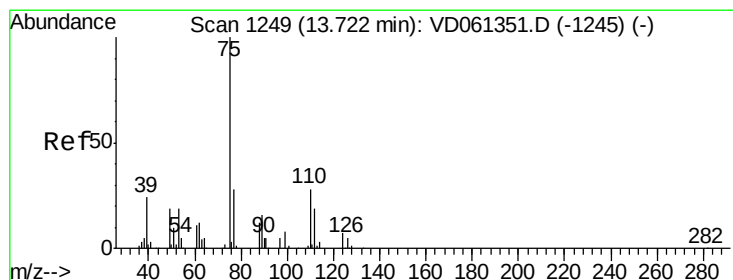
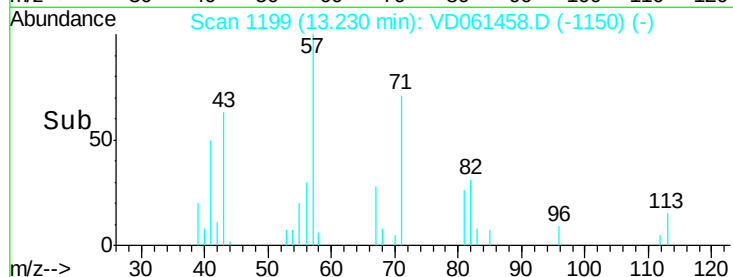
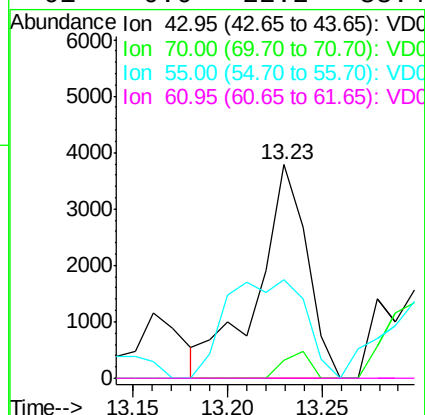
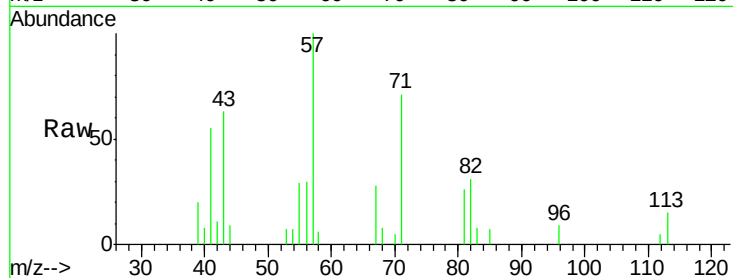




#74
N-amyl acetate
Concen: 1.566 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

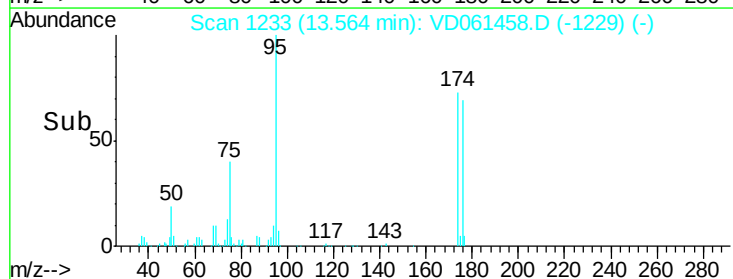
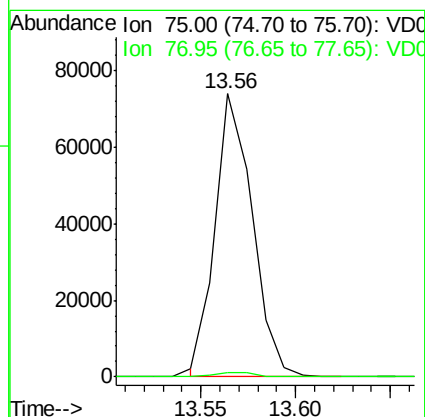
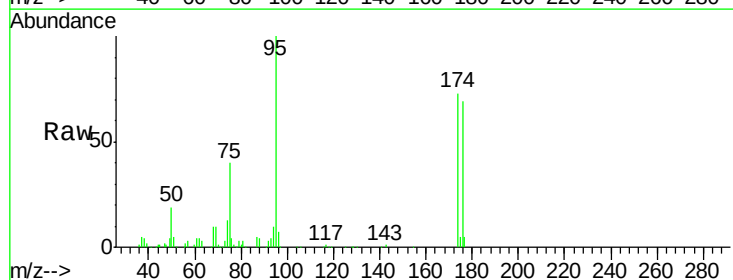
Instrument :
MSVOA_D
ClientSampleId :

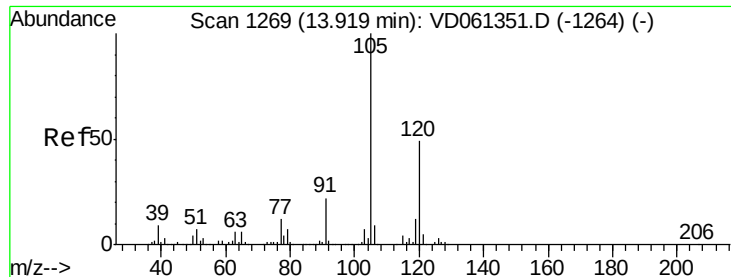
Tot Ion: 43 Resp: 6805
Ion Ratio Lower Upper
43 100
70 8.3 26.6 40.0#
55 46.4 15.4 23.2#
61 0.0 22.2 33.4#



#76
1,2,3-Trichloropropane
Concen: 31.207 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VD061458.D
Acq: 31 Mar 2019 20:28

Tgt Ion: 75 Resp: 101042
Ion Ratio Lower Upper
75 100
77 1.6 16.2 48.5#

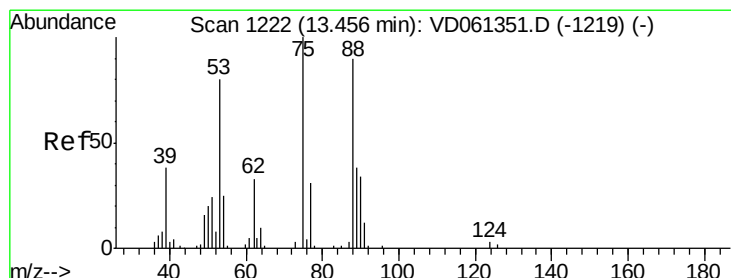
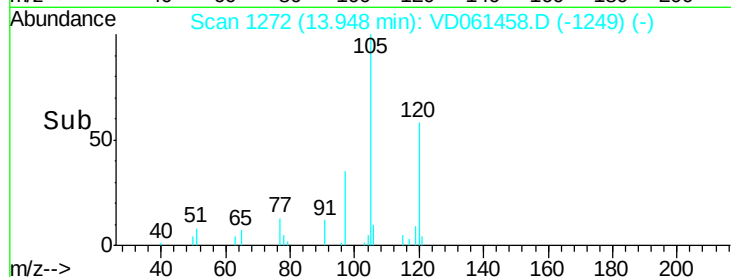
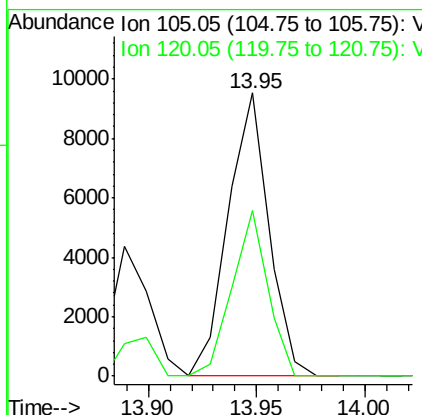
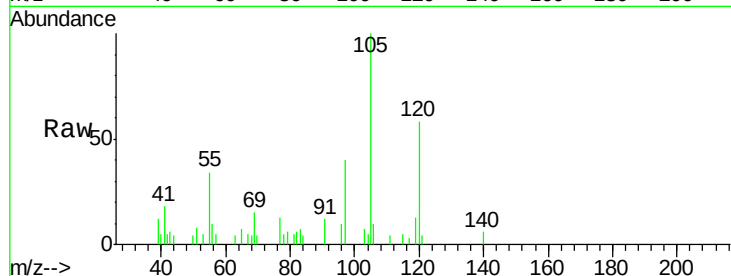




#80
 1,3,5-Trimethylbenzene
 Concen: 1.039 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.03 min
 Lab File: VD061458.D
 Acq: 31 Mar 2019 20:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 12580
 Ion Ratio Lower Upper
 105 100
 120 58.4 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.565 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.11 min
 Lab File: VD061458.D
 Acq: 31 Mar 2019 20:28

Tgt Ion: 75 Resp: 102241
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

