

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042619\
 Data File : VD062054.D
 Acq On : 26 Apr 2019 11:27
 Operator : VA/AP
 Sample : VD0426SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBL01

Quant Time: Apr 26 23:04:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	552404	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	789212	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	672396	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	328611	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	227166	52.54	ug/l	0.03
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	6.94	113	330318	60.52	ug/l	0.00
Spiked Amount			Recovery	=	121.04%	
50) Toluene-d8	10.43	98	734563	56.56	ug/l	0.02
Spiked Amount			Recovery	=	113.12%	
62) 4-Bromofluorobenzene	13.56	95	308056	59.14	ug/l	0.00
Spiked Amount			Recovery	=	118.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.34	142	426	5.475	ug/l #	37
16) Acetone	3.23	43	2180	2.112	ug/l #	50
20) Methylene Chloride	3.84	84	13147	Below Cal		95
31) Cyclohexane	7.07	56	9917	1.540	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	42088	6.845	ug/l #	47
38) Carbon Tetrachloride	7.07	117	55922	7.177	ug/l #	16
43) Isopropyl Acetate	9.57	43	8896	2.324	ug/l #	43
51) 4-Methyl-2-Pentanone	10.38	43	2343	1.001	ug/l	94
76) 1,2,3-Trichloropropane	13.56	75	106236	25.459	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	124021	98.076	ug/l #	16

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

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Acq On : 26 Apr 2019 11:27
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Sample : VD0426SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

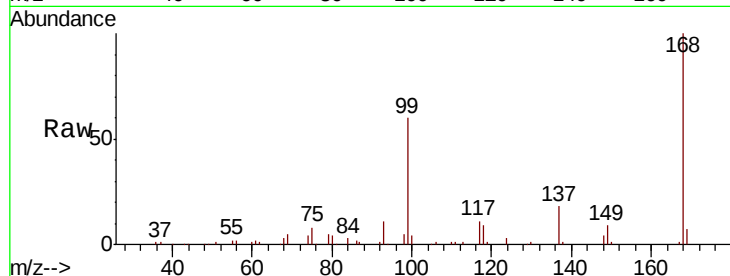
VD0426SBL01

Tot Ion:168 Resp: 552404

Ion Ratio Lower Upper

168 100

99 59.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

200000

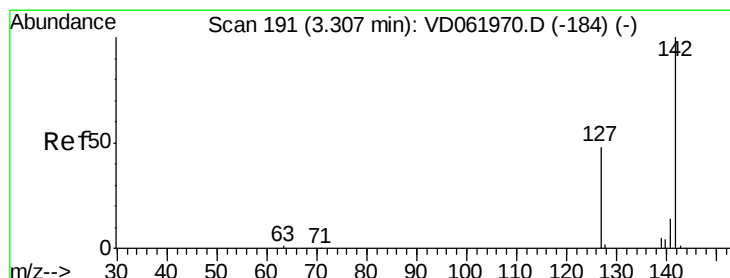
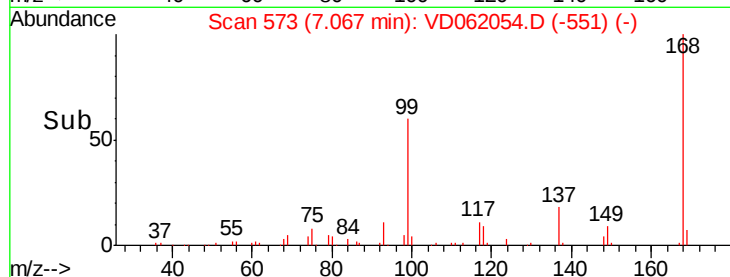
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 5.475 ug/l

RT: 3.34 min Scan# 194

Delta R.T. 0.02 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

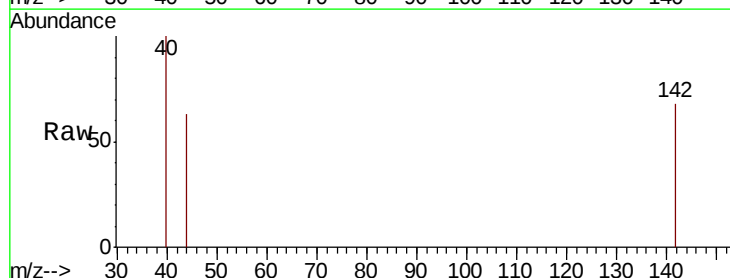
Tgt Ion:142 Resp: 426

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.34

500

400

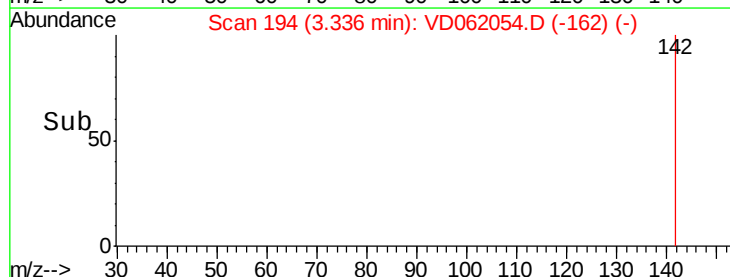
300

200

100

0

Time--> 3.30 3.32 3.34 3.36





#16

Acetone

Concen: 2.112 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

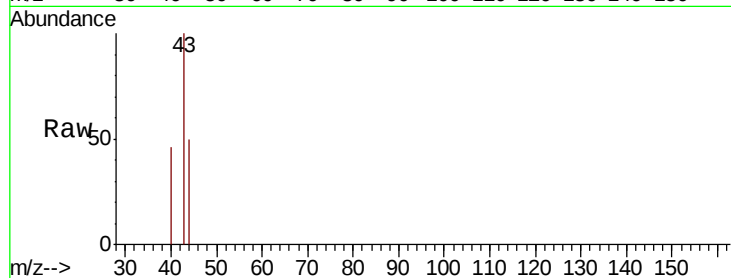
VD0426SBL01

Tot Ion: 43 Resp: 2180

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

1200

1000

800

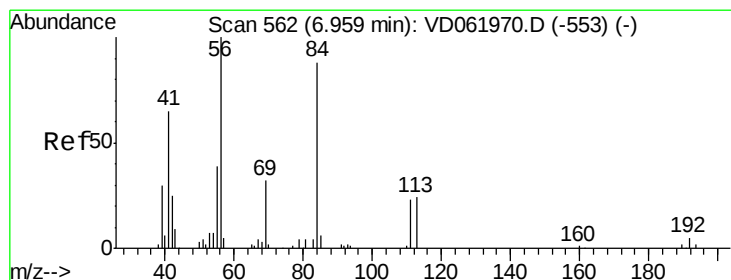
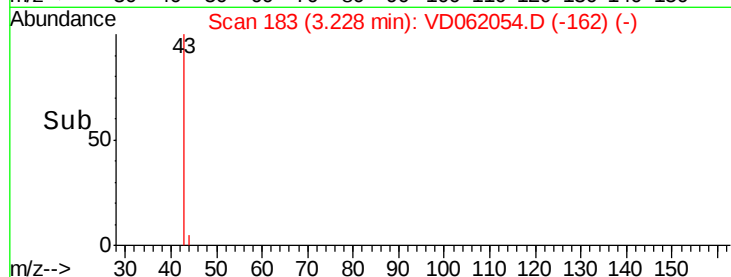
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.540 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.10 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

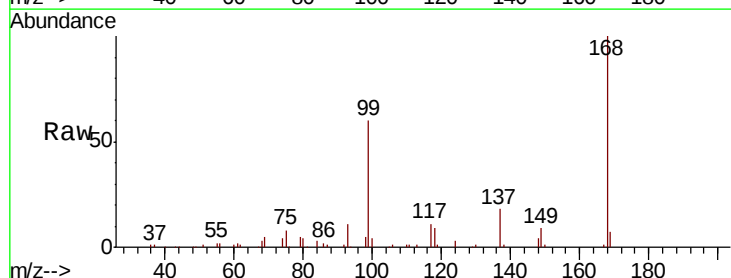
Tgt Ion: 56 Resp: 9917

Ion Ratio Lower Upper

56 100

69 248.8 25.8 38.6#

84 131.0 72.2 108.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

12000

10000

8000

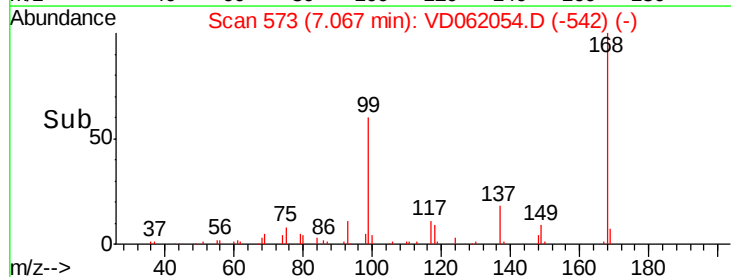
6000

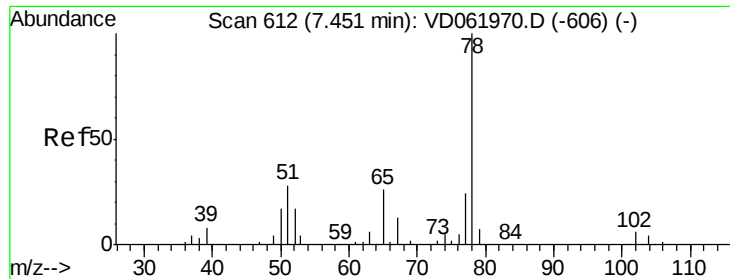
4000

2000

0

Time-->

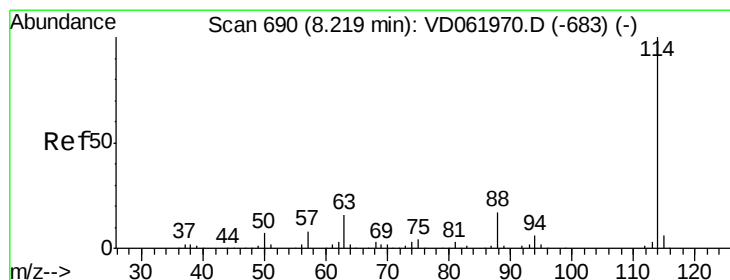
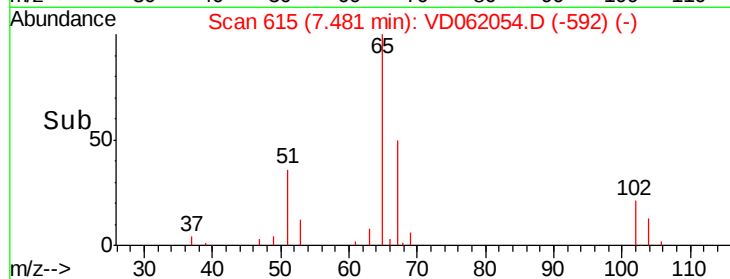
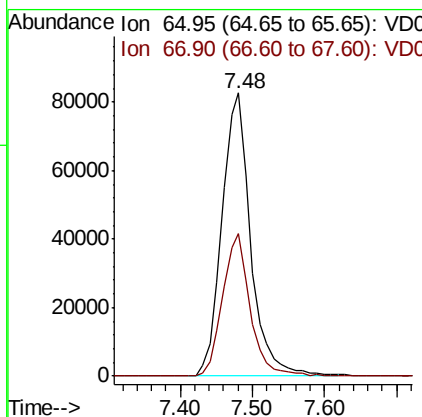
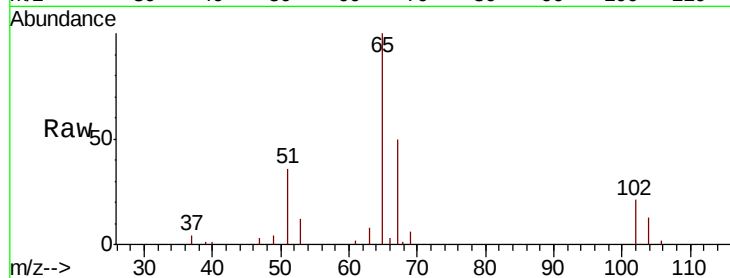




#33
 1,2-Dichloroethane-d4
 Concen: 52.543 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD062054.D
 Acq: 26 Apr 2019 11:27

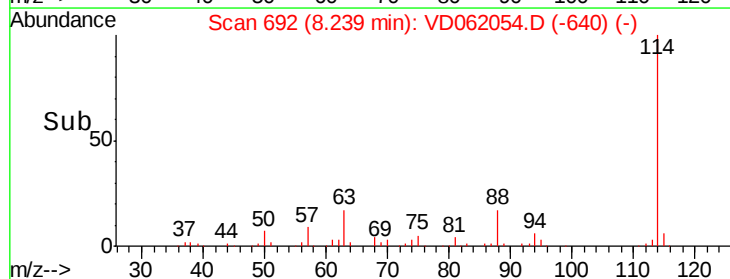
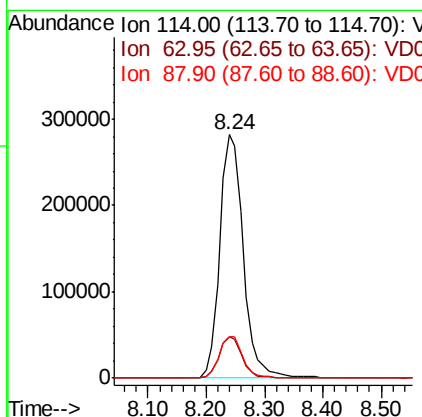
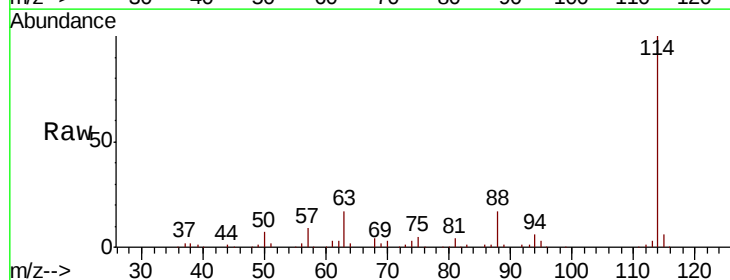
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBL01

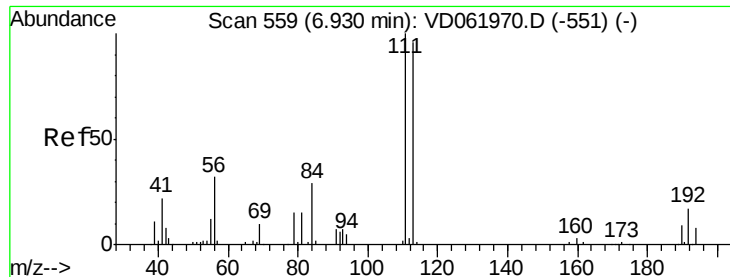
Tot Ion: 65 Resp: 227166
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD062054.D
 Acq: 26 Apr 2019 11:27

Tgt Ion: 114 Resp: 789212
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 32.4
 88 17.2 0.0 33.6

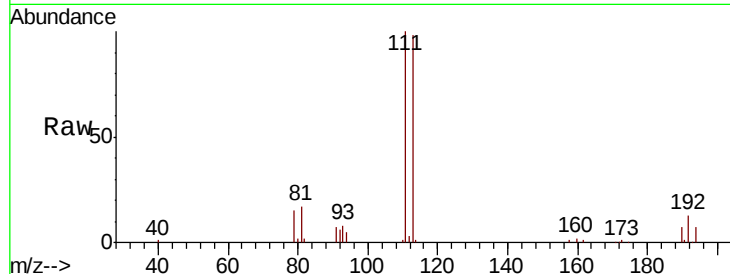




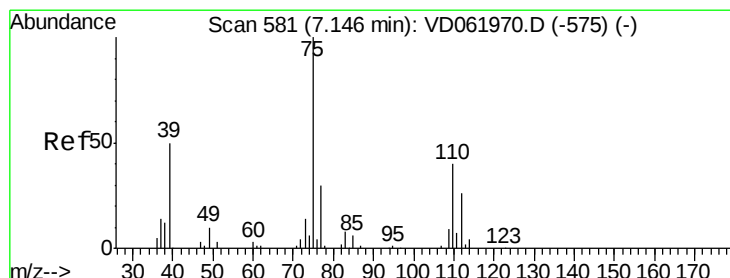
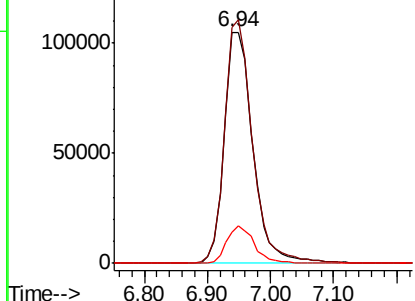
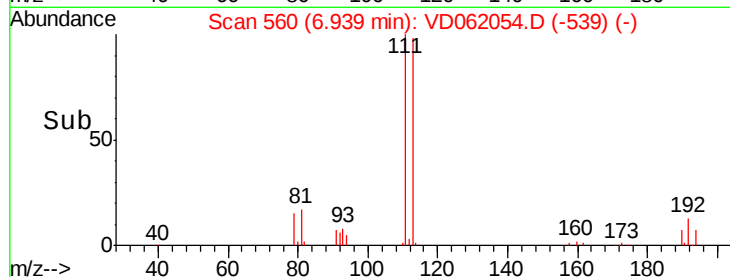
#35
 Dibromofluoromethane
 Concen: 60.518 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD062054.D
 Acq: 26 Apr 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	78.5	117.7
192	13.6	13.0	19.4

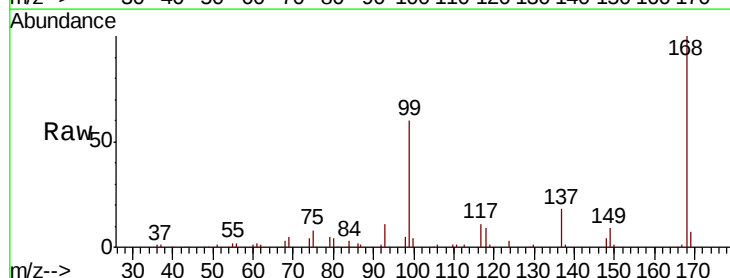


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

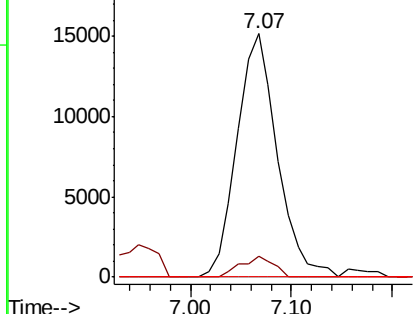
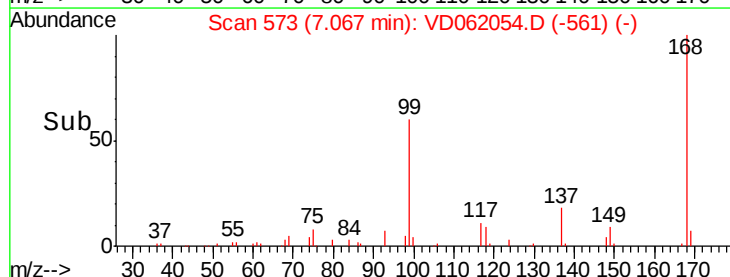


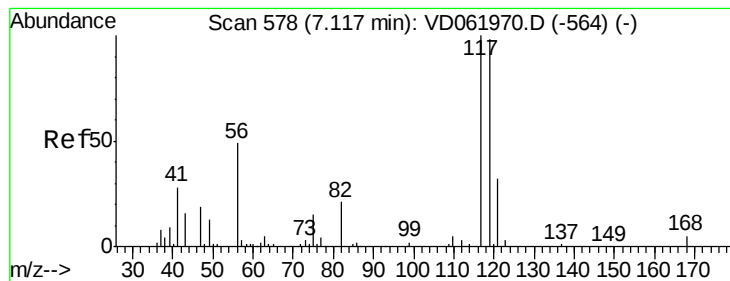
#36
 1,1-Dichloropropene
 Concen: 6.845 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD062054.D
 Acq: 26 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.1	57.1#
77	0.0	25.6	38.4#



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





#38

Carbon Tetrachloride

Concen: 7.177 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBL01

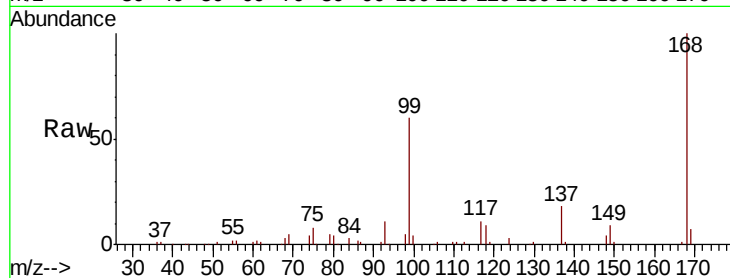
Tot Ion:117 Resp: 55922

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

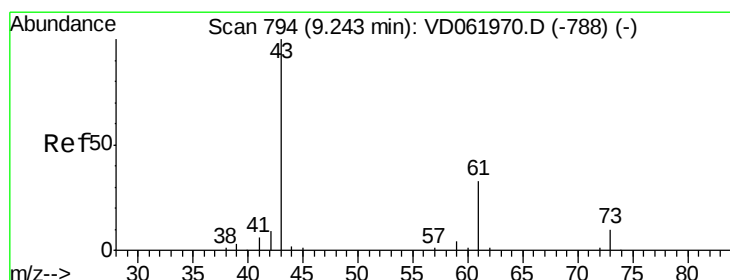
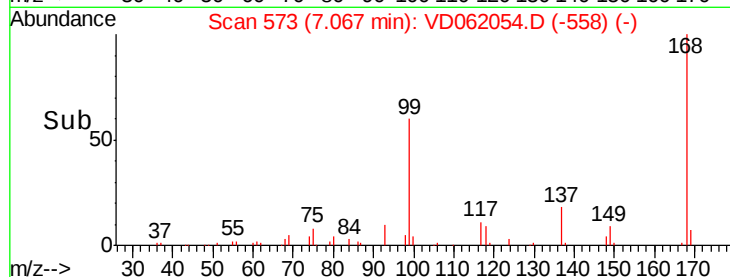
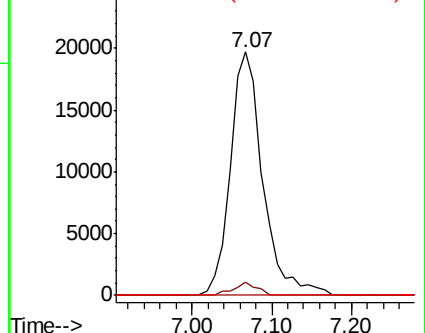
121 0.0 25.9 38.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#43

Isopropyl Acetate

Concen: 2.324 ug/l

RT: 9.57 min Scan# 827

Delta R.T. 0.32 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

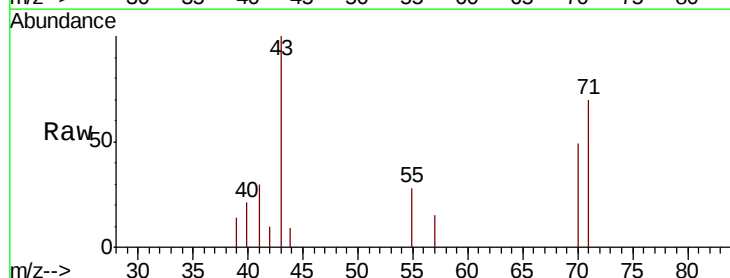
Tgt Ion: 43 Resp: 8896

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

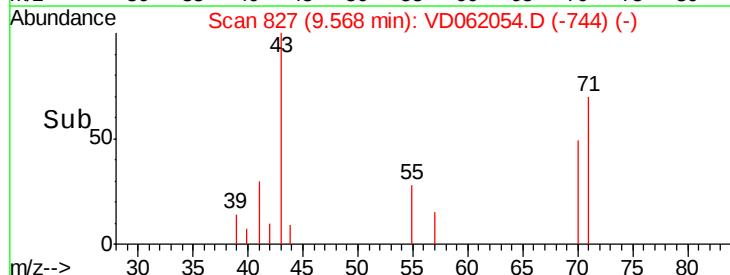
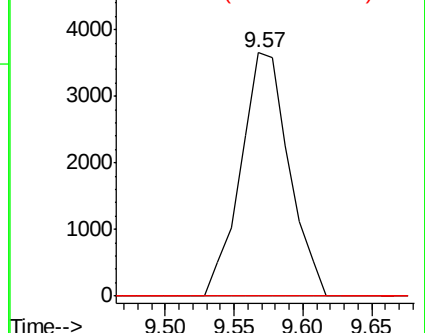
87 0.0 0.0 0.0

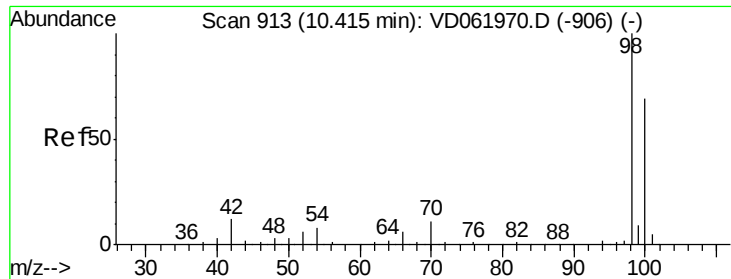


Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 87.00 (86.70 to 87.70): V

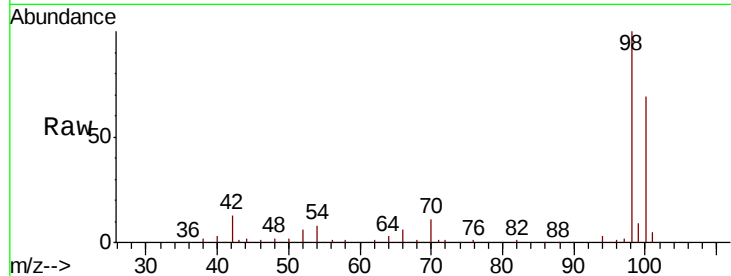




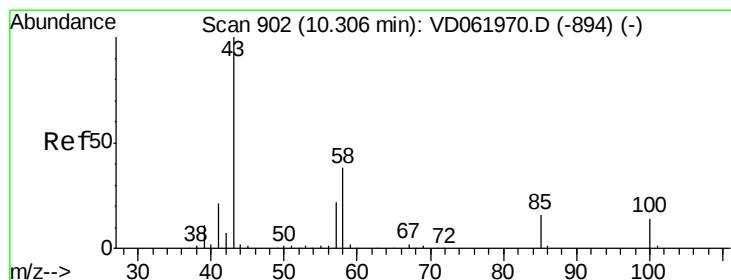
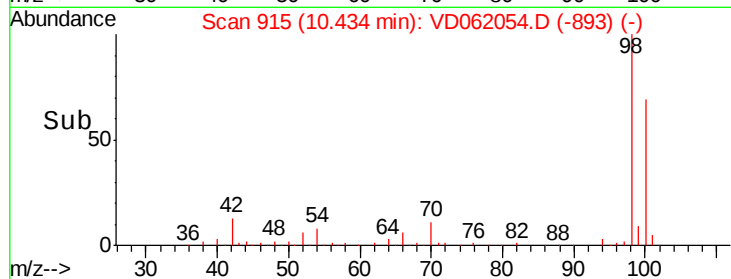
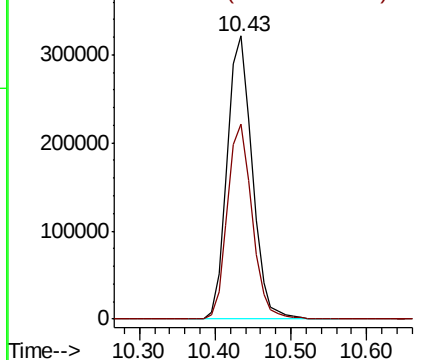
#50
Toluene-d8
Concen: 56.558 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062054.D
Acq: 26 Apr 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBL01

Tot Ion: 98 Resp: 734563
Ion Ratio Lower Upper
98 100
100 68.7 53.8 80.8

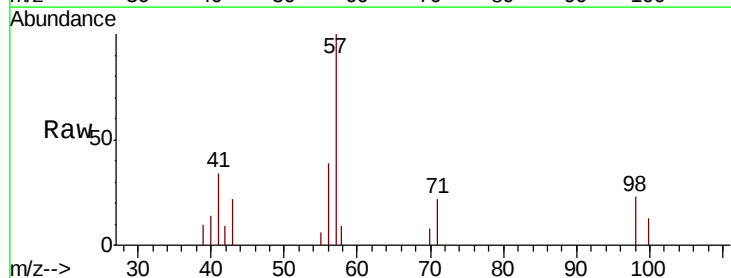


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

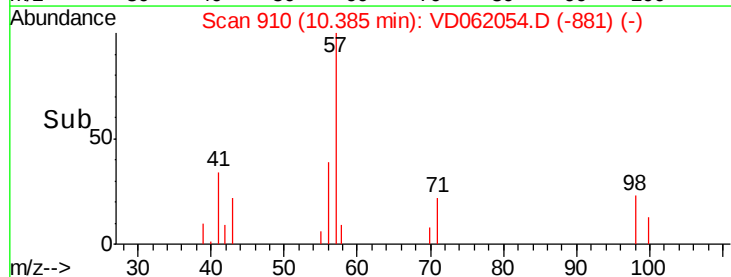
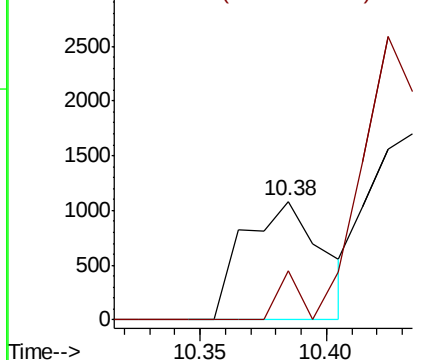


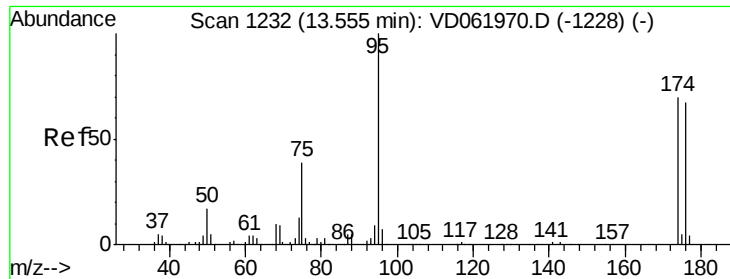
#51
4-Methyl-2-Pentanone
Concen: 1.001 ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.08 min
Lab File: VD062054.D
Acq: 26 Apr 2019 11:27

Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
58 41.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

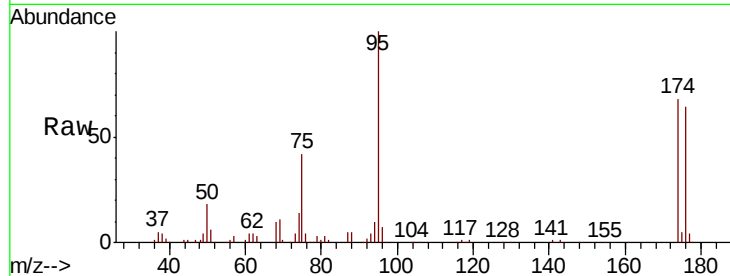




#62
 4-Bromofluorobenzene
 Concen: 59.136 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062054.D
 Acq: 26 Apr 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBL01

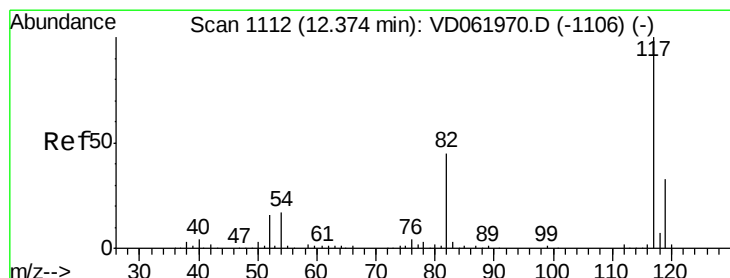
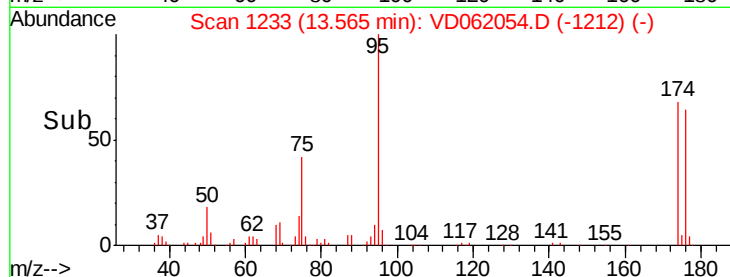
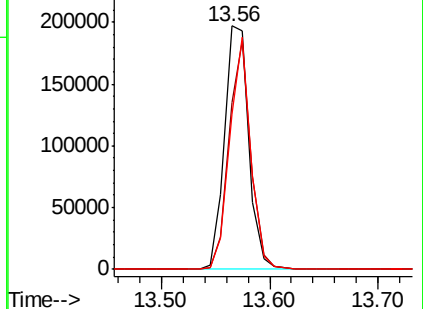
Tot Ion	95	Resp	308056
Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	181.8
176	63.9	0.0	174.4



Abundance Ion 95.00 (94.70 to 95.70): V

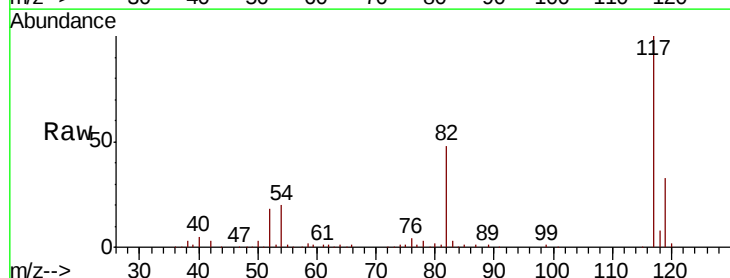
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.38 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: VD062054.D
 Acq: 26 Apr 2019 11:27

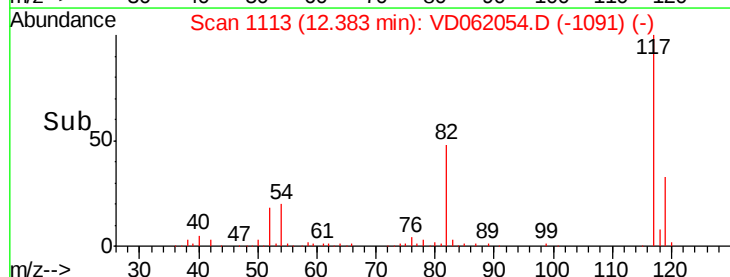
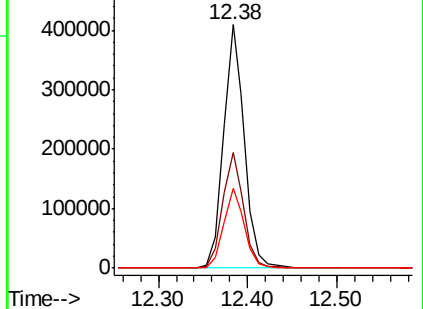
Tgt Ion	117	Resp	672396
Ion	Ratio	Lower	Upper
117	100		
82	47.7	36.2	54.2
119	32.8	26.2	39.4

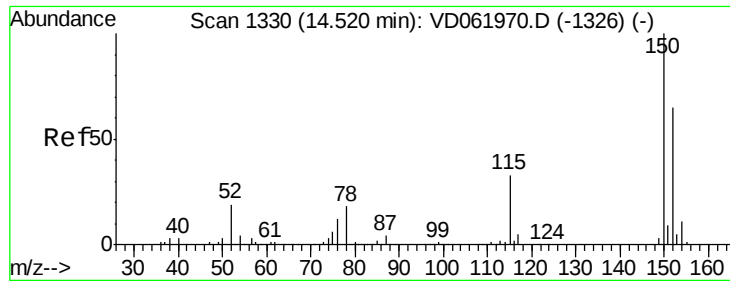


Abundance Ion 116.95 (116.65 to 117.65): V

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. 0.01 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBL01

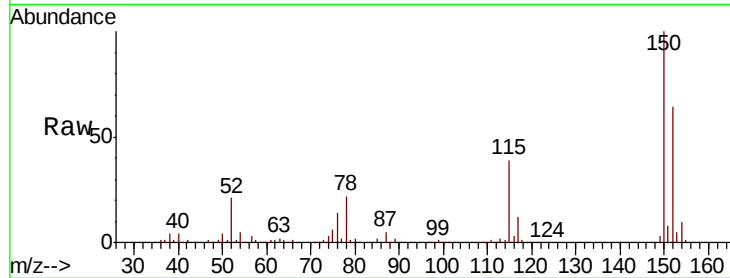
Tot Ion:152 Resp: 328611

Ion Ratio Lower Upper

152 100

115 61.1 30.9 92.7

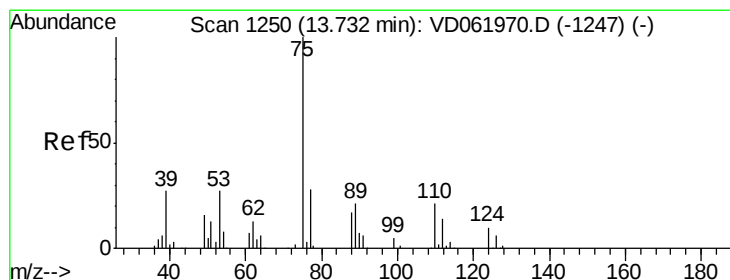
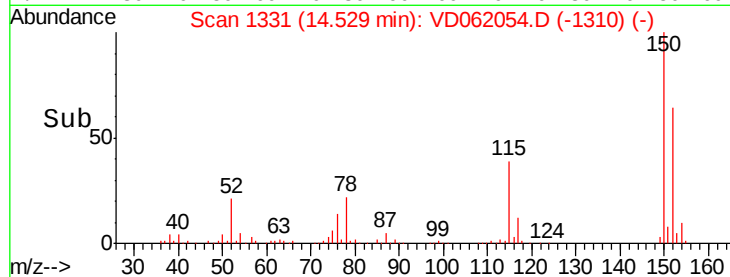
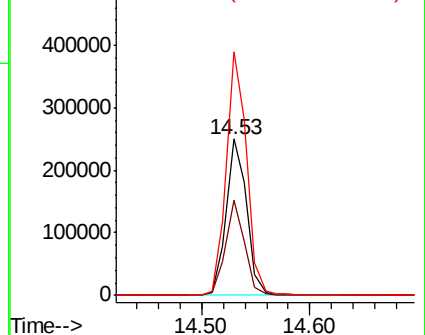
150 155.8 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 25.459 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062054.D

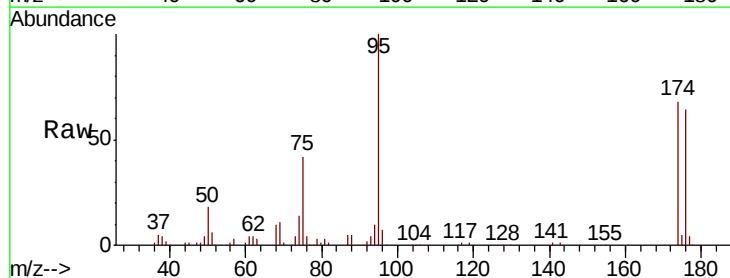
Acq: 26 Apr 2019 11:27

Tgt Ion: 75 Resp: 106236

Ion Ratio Lower Upper

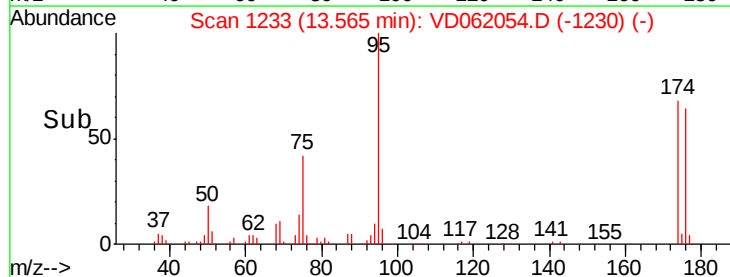
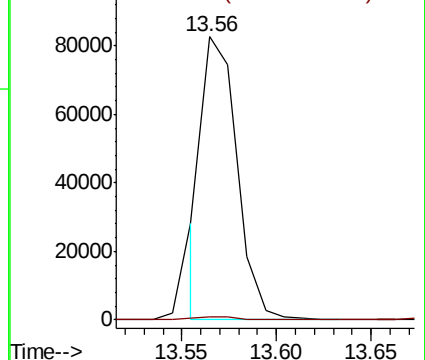
75 100

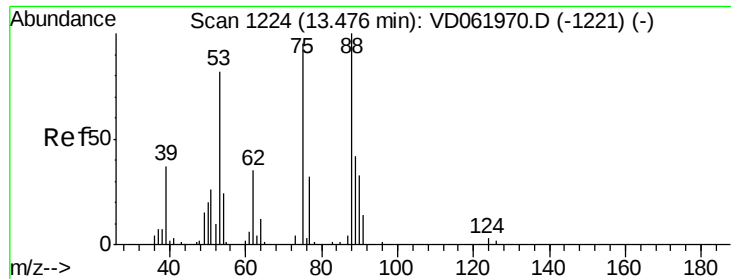
77 1.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 98.076 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062054.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBL01

Tot Ion: 75 Resp: 124021

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

