

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059036.D
 Acq On : 31 Oct 2019 13:55
 Operator : JC/SP
 Sample : K5623-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	416100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	647081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	576627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	214270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	285136	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	7.57	113	207182	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.09	98	799325	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.41	95	253647	41.82	ug/l	0.00
Spiked Amount			Recovery	=	83.64%	

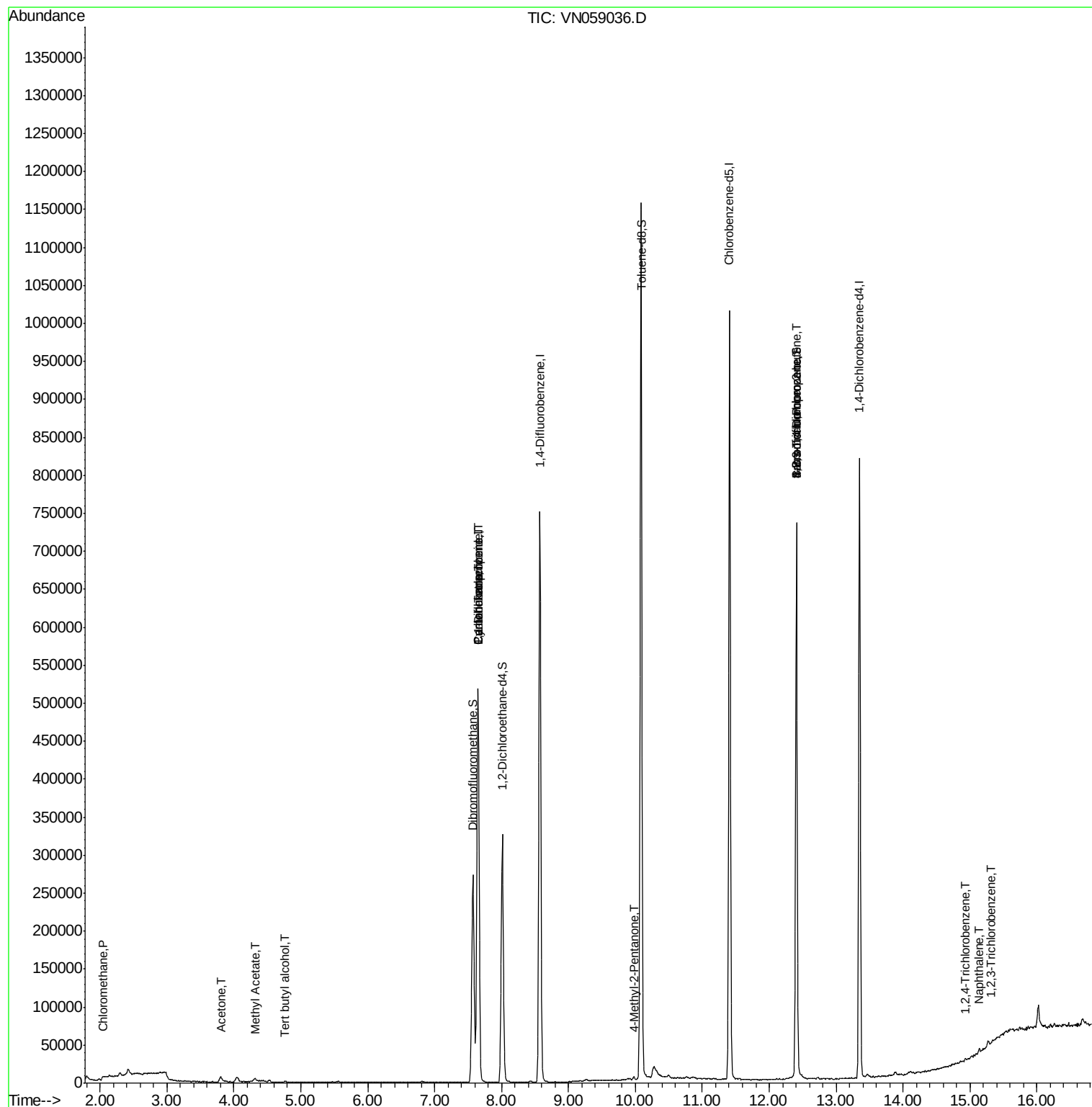
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2323	0.362	ug/l	100
11) Tert butyl alcohol	4.76	59	1486	1.467	ug/l #	72
16) Acetone	3.80	43	12338	4.091	ug/l	91
18) Methyl Acetate	4.31	43	8650	1.262	ug/l #	78
31) Cyclohexane	7.65	56	8778	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32695	4.935	ug/l #	47
38) Carbon Tetrachloride	7.65	117	41418	6.069	ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	2116	0.313	ug/l	99
71) Bromoform	12.41	173	1271	0.370	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	131621	26.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131621	69.047	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.92	180	90	2.541	ug/l #	13
95) Naphthalene	15.14	128	1864	2.370	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.31	180	60	2.408	ug/l #	9

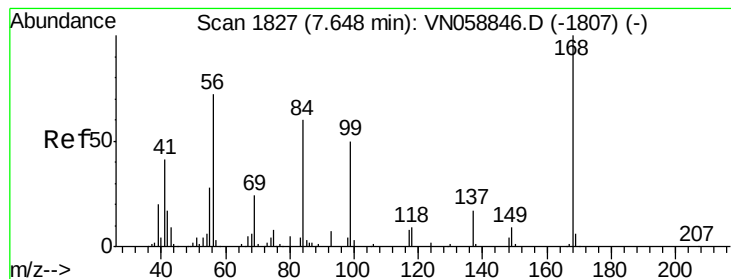
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

Instrument :

MSVOA_N

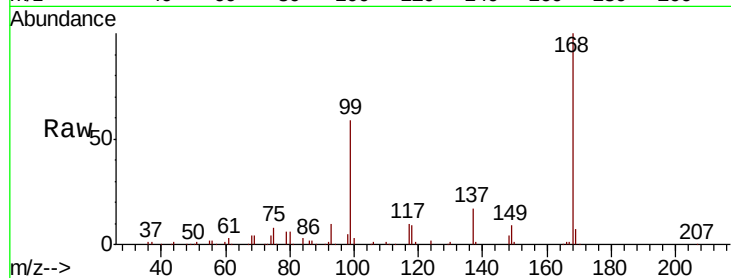
ClientSampled :

Tot Ion:168 Resp: 416100

Ion Ratio Lower Upper

168 100

99 58.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

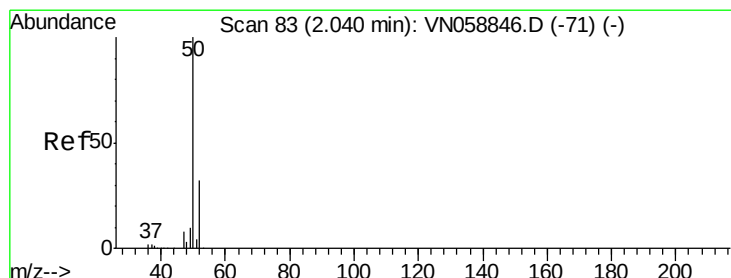
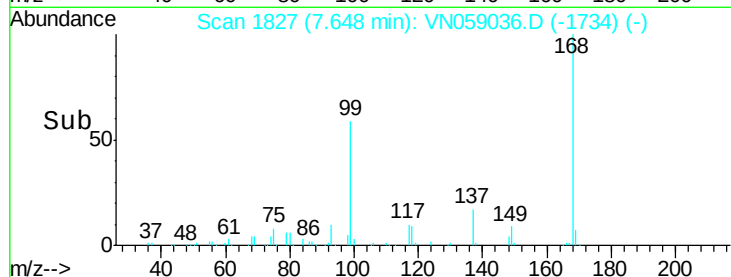
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: 0.362 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059036.D

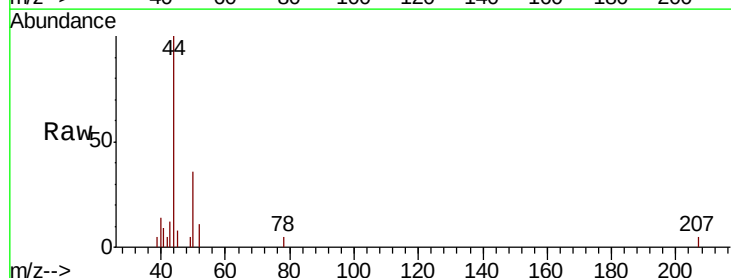
Acq: 31 Oct 2019 13:55

Tgt Ion: 50 Resp: 2323

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

1500

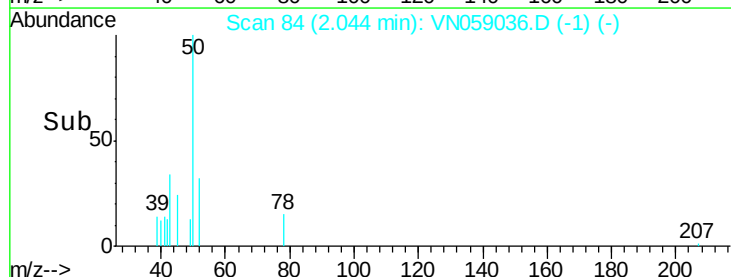
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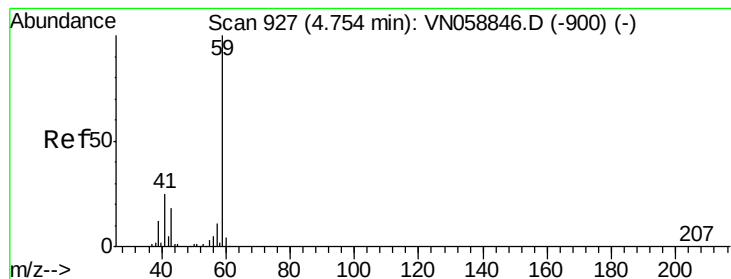
500

0

2.00 2.05 2.10

Time-->





#11

Tert butyl alcohol

Concen: 1.467 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

Instrument :

MSVOA_N

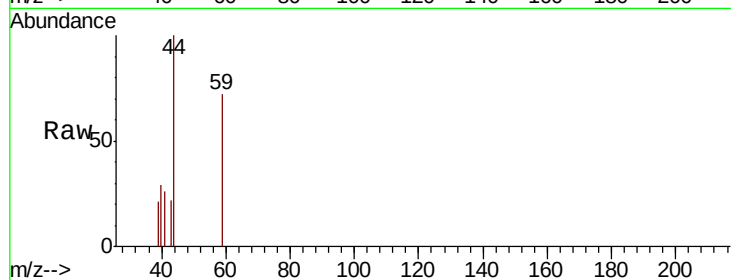
ClientSampled :

Tot Ion: 59 Resp: 1486

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.76

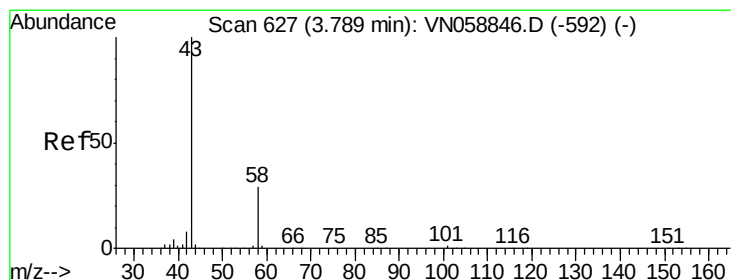
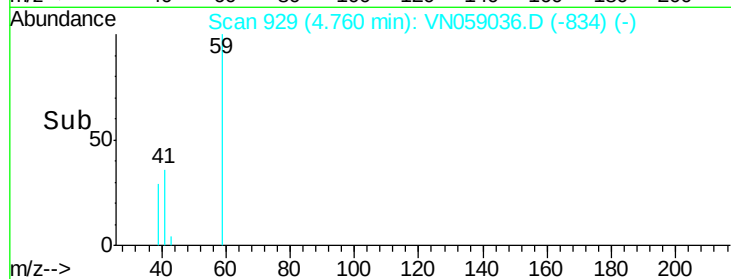
600

400

200

0

Time-->



#16

Acetone

Concen: 4.091 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059036.D

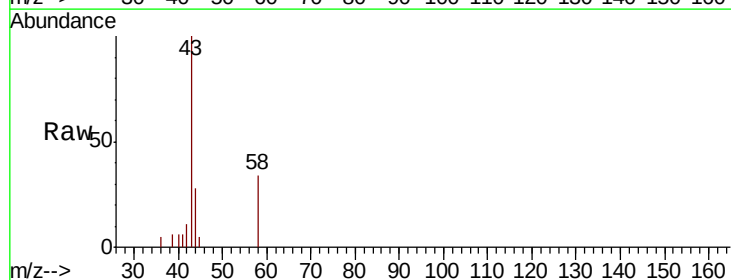
Acq: 31 Oct 2019 13:55

Tgt Ion: 43 Resp: 12338

Ion Ratio Lower Upper

43 100

58 33.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

5000

4000

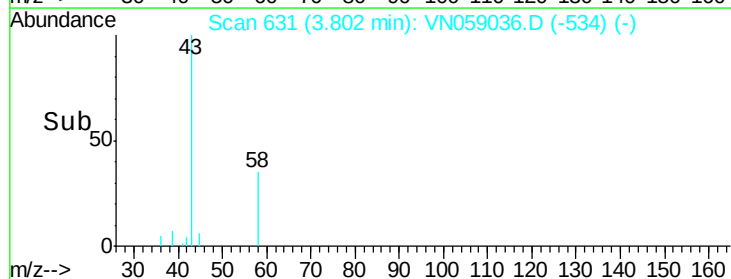
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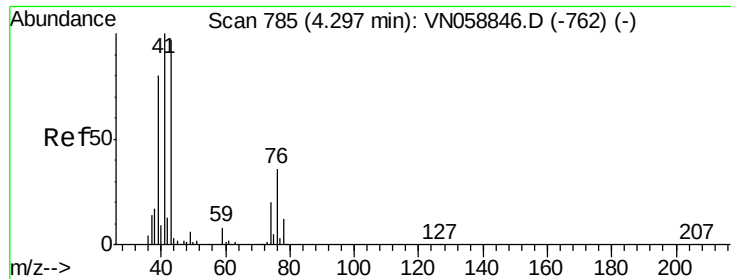
2000

1000

0

Time-->

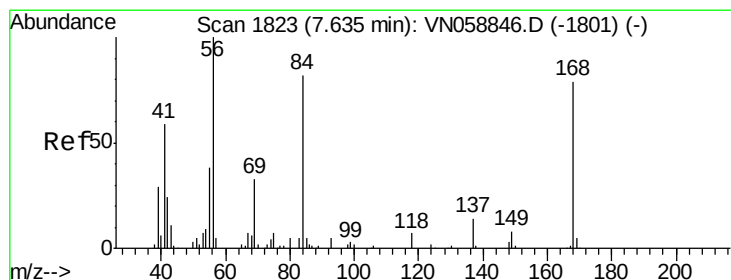
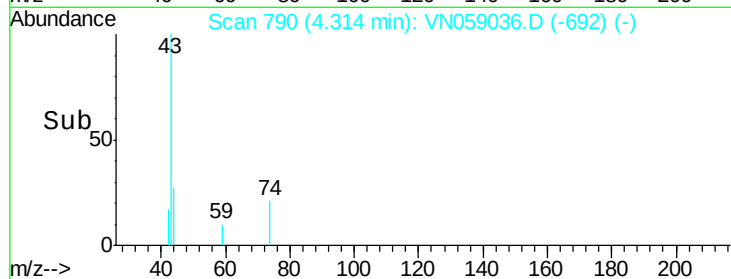
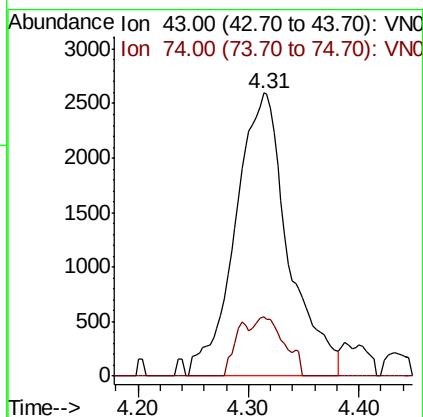
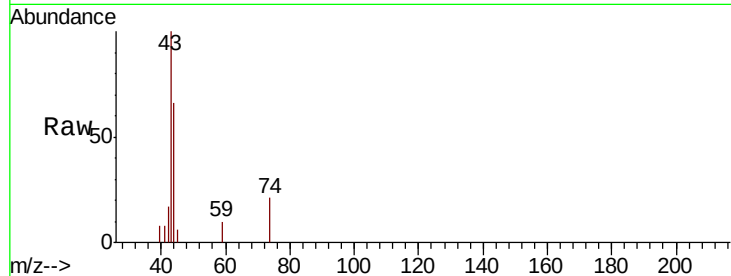




#18
Methvl Acetate
Concen: 1.262 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.02 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

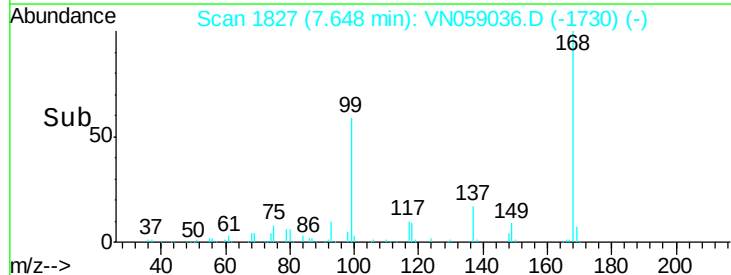
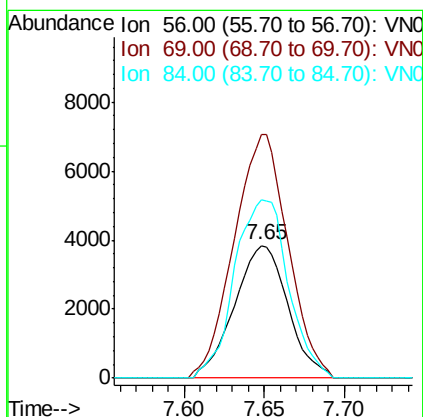
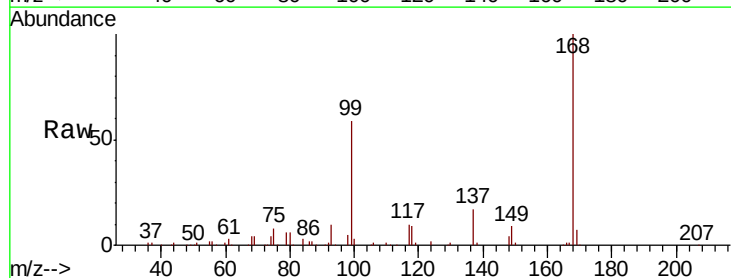
Instrument :
MSVOA_N
ClientSampled :

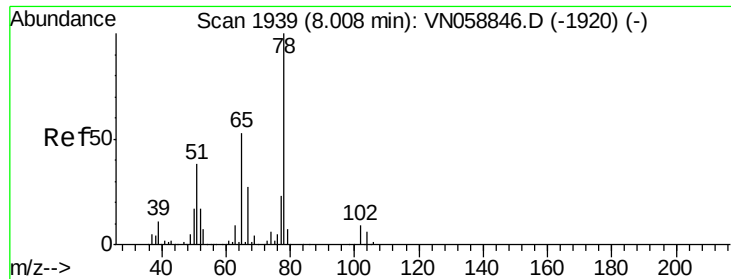
Tot Ion: 43 Resp: 8650
Ion Ratio Lower Upper
43 100
74 11.2 17.1 25.7#



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

Tgt Ion: 56 Resp: 8778
Ion Ratio Lower Upper
56 100
69 183.5 26.2 39.4#
84 134.6 65.6 98.4#

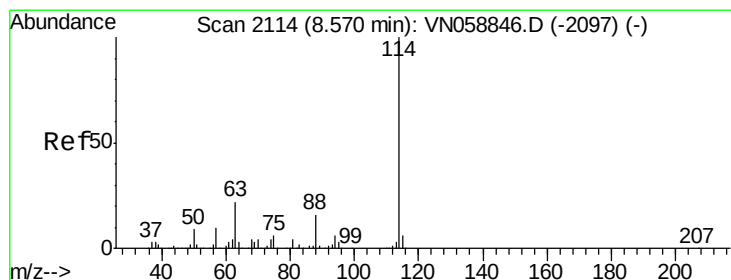
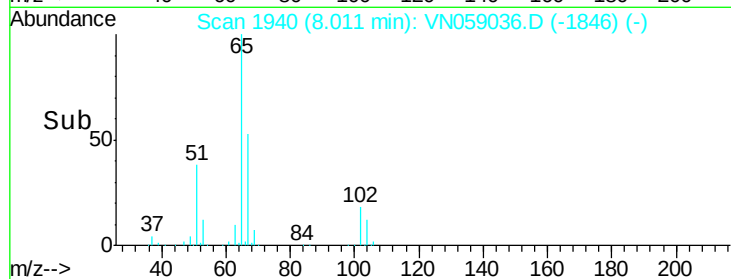
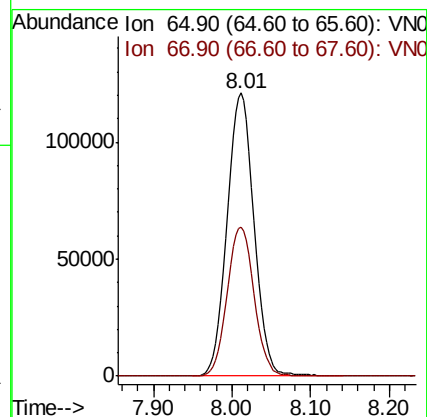
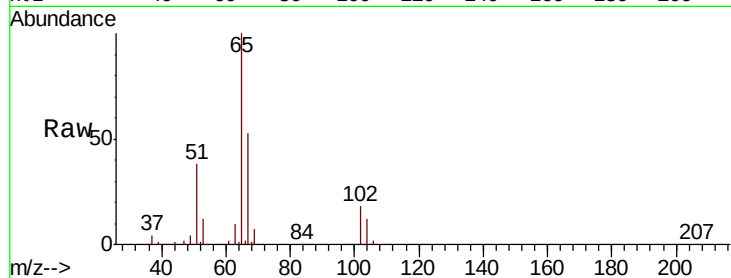




#33
 1,2-Dichloroethane-d4
 Concen: 46.723 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN059036.D
 Acq: 31 Oct 2019 13:55

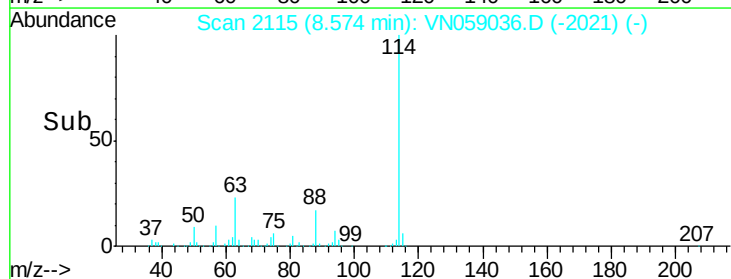
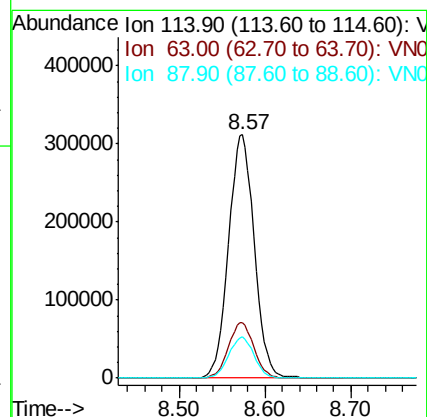
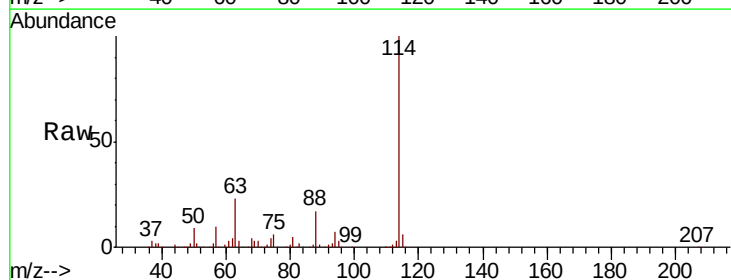
Instrument :
 MSVOA_N
 ClientSampled :

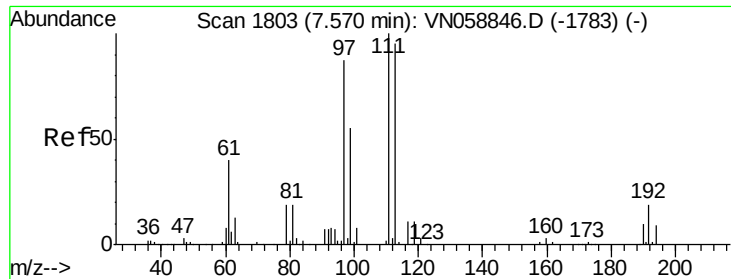
Tot Ion: 65 Resp: 285136
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN059036.D
 Acq: 31 Oct 2019 13:55

Tgt Ion: 114 Resp: 647081
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.4
 88 16.8 0.0 31.4

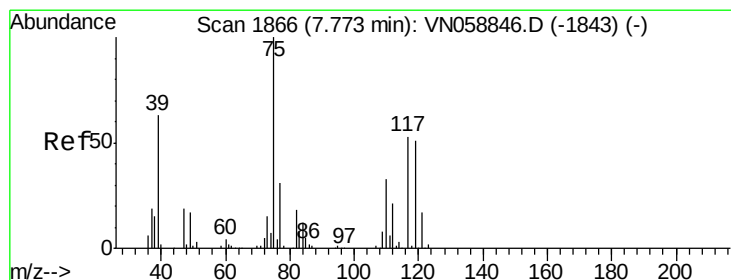
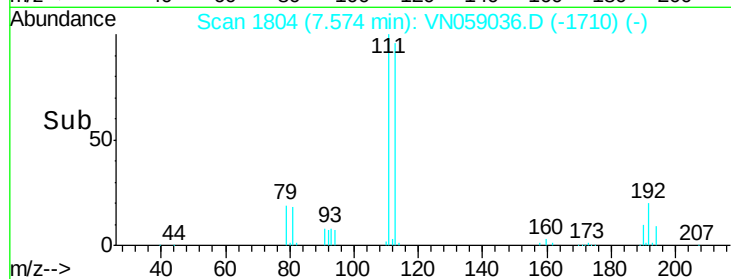
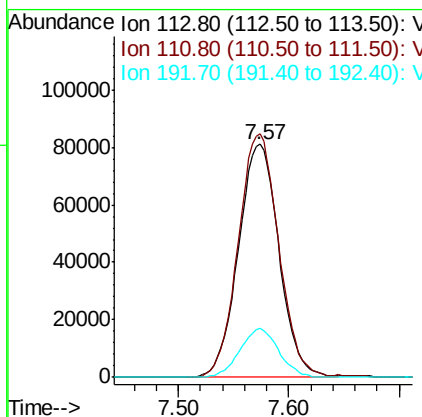
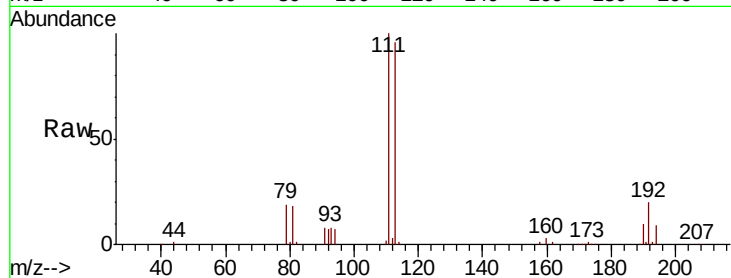




#35
 Dibromofluoromethane
 Concen: 48.698 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN059036.D
 Acq: 31 Oct 2019 13:55

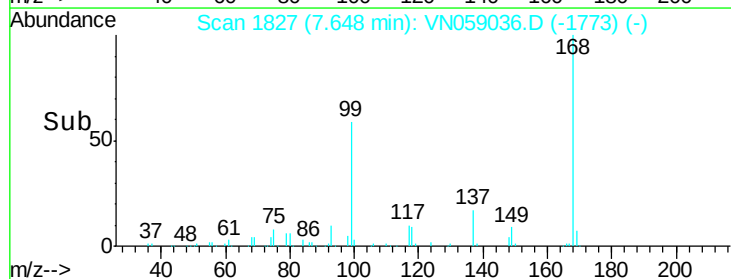
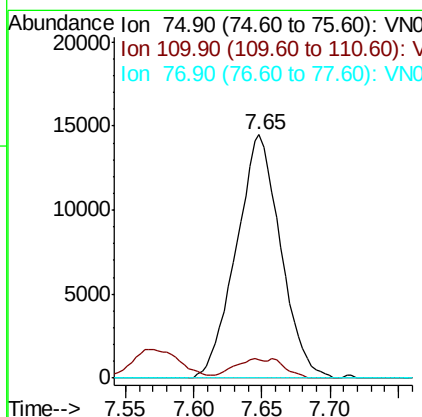
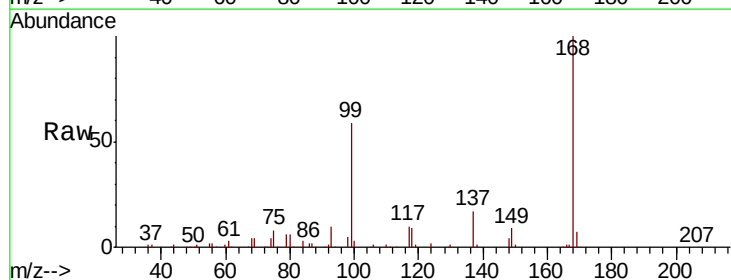
Instrument :
 MSVOA_N
 ClientSampleId :

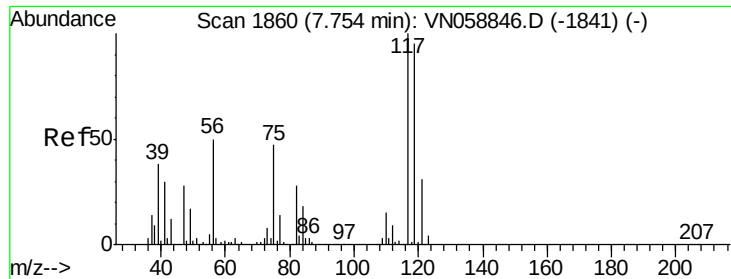
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.0	123.0
192	19.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 4.935 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN059036.D
 Acq: 31 Oct 2019 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.0	16.3	48.9#
77	0.0	24.6	36.8#

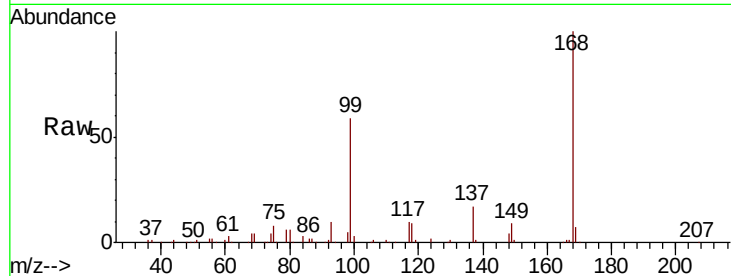




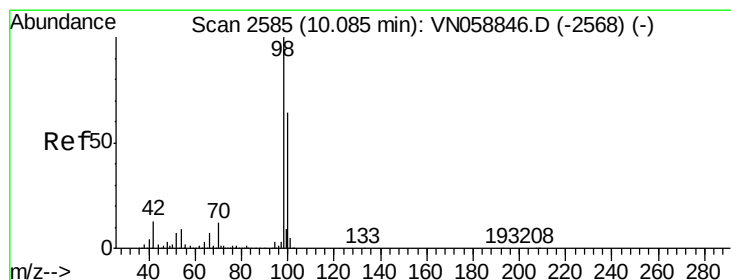
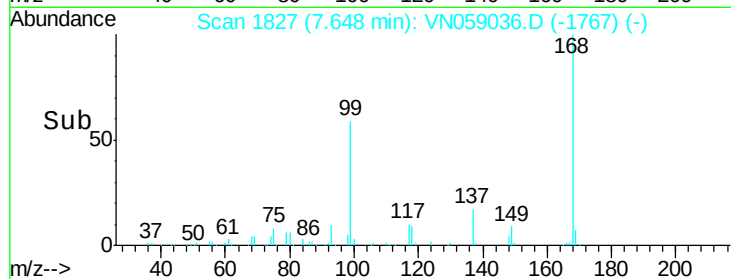
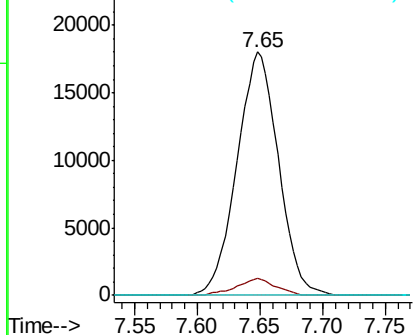
#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 41418
Ion Ratio Lower Upper
117 100
119 6.8 75.7 113.5#
121 0.0 25.0 37.6#

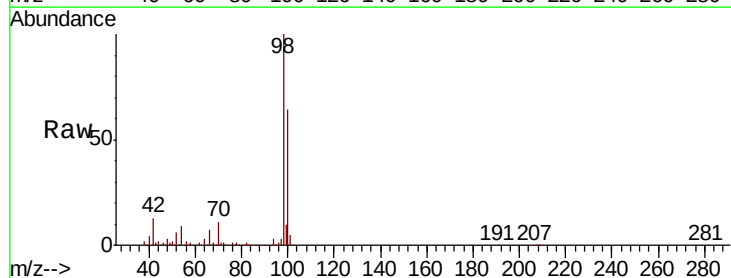


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

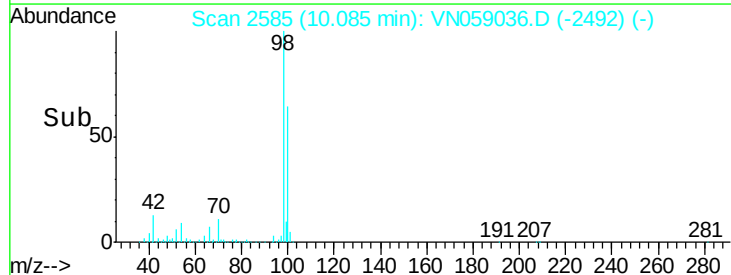
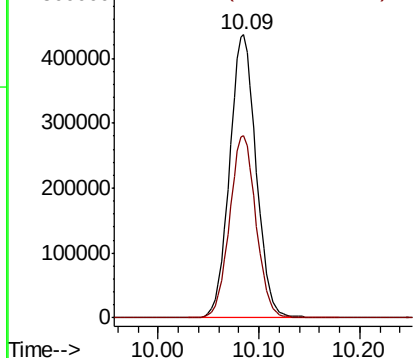


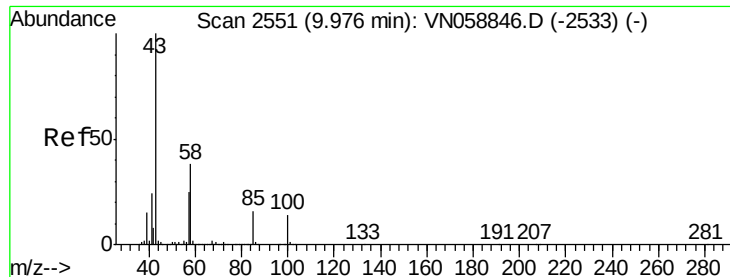
#50
Toluene-d8
Concen: 48.400 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

Tgt Ion: 98 Resp: 799325
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



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: 0.313 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.01 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

Instrument :

MSVOA_N

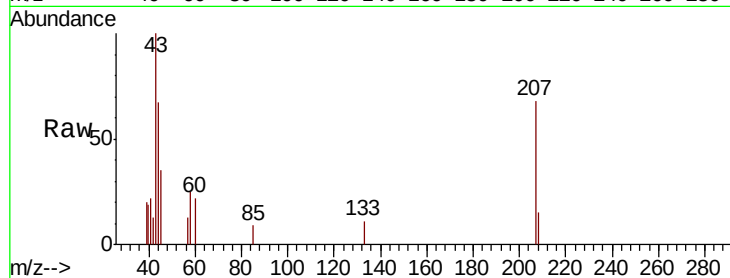
ClientSampleId :

Tot Ion: 43 Resp: 2116

Ion Ratio Lower Upper

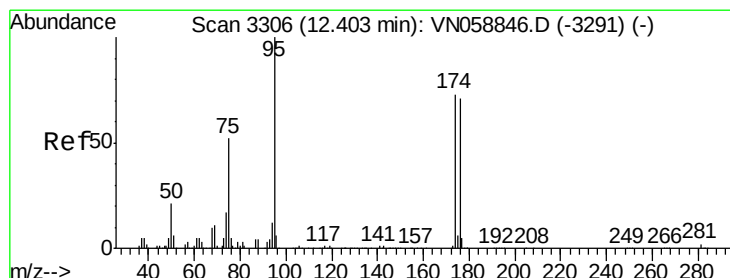
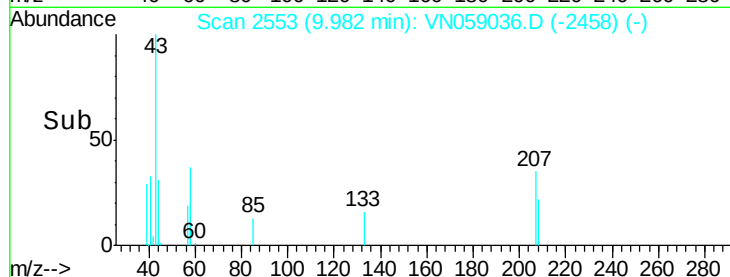
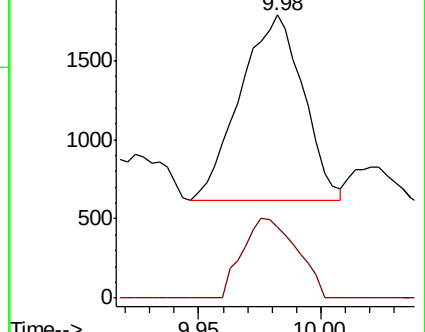
43 100

58 36.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)



#62

4-Bromofluorobenzene

Concen: 41.823 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

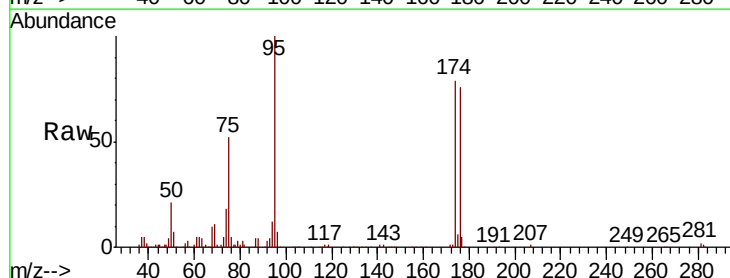
Tgt Ion: 95 Resp: 253647

Ion Ratio Lower Upper

95 100

174 78.6 0.0 147.6

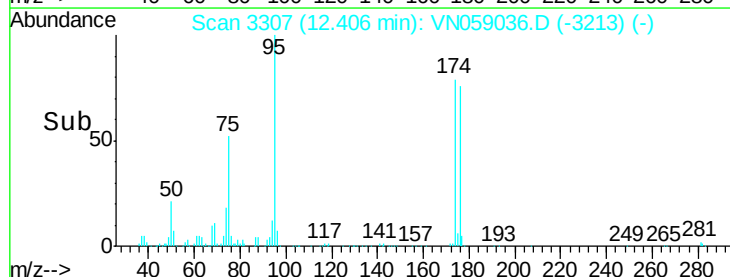
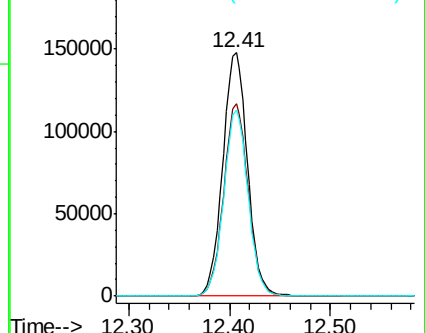
176 75.3 0.0 143.2

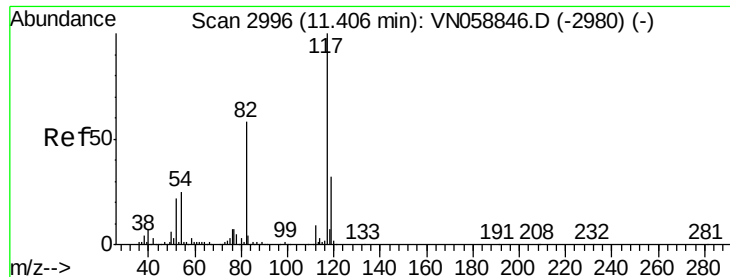


Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)

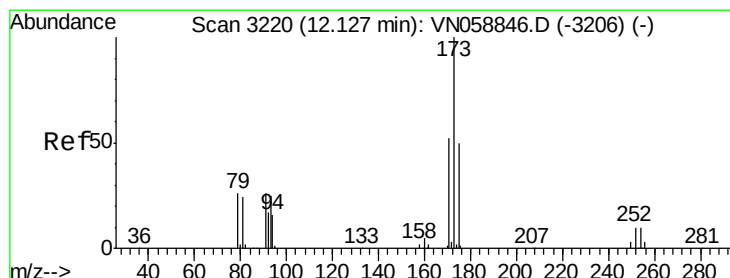
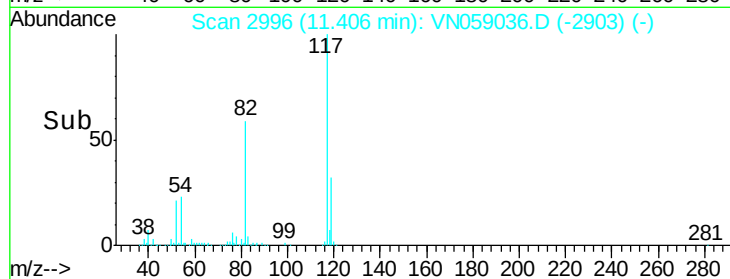
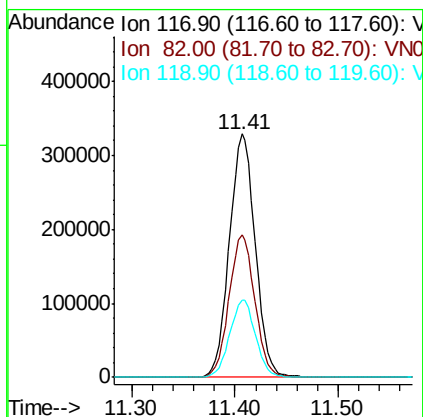
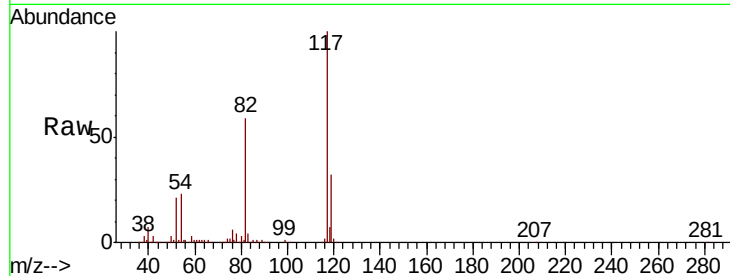




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

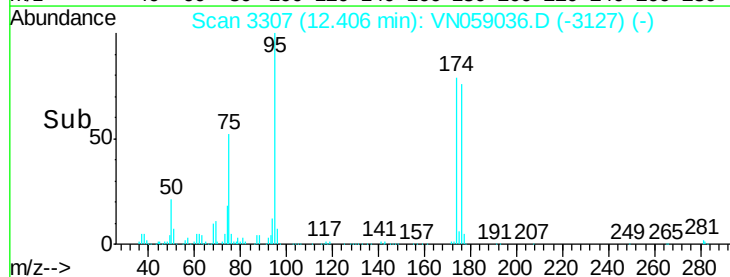
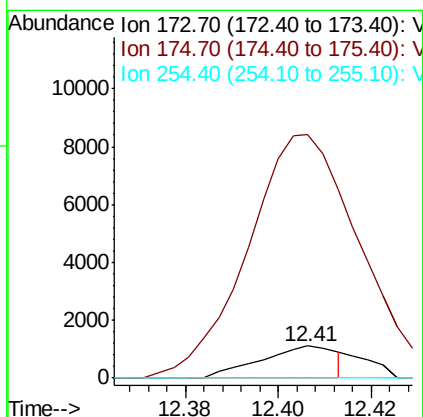
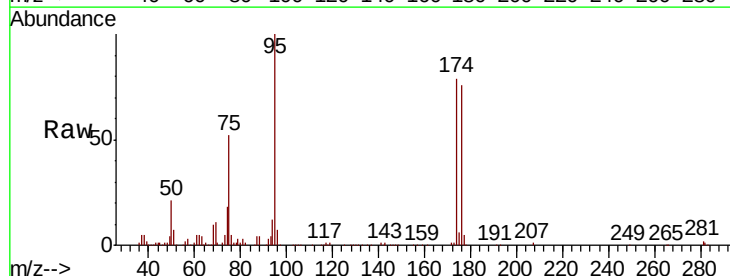
Instrument :
MSVOA_N
ClientSampled :

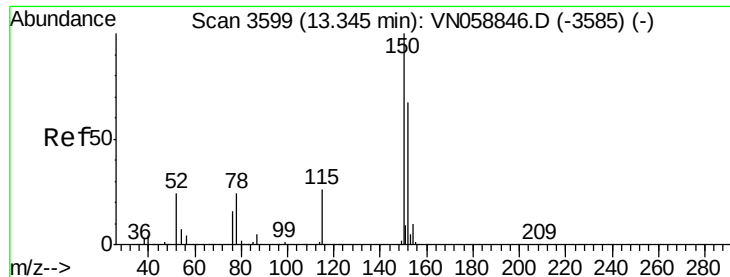
Tot Ion:117 Resp: 576627
Ion Ratio Lower Upper
117 100
82 58.7 46.6 69.8
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.370 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

Tgt Ion:173 Resp: 1271
Ion Ratio Lower Upper
173 100
175 868.7 24.7 74.1#
254 0.0 0.0 0.0



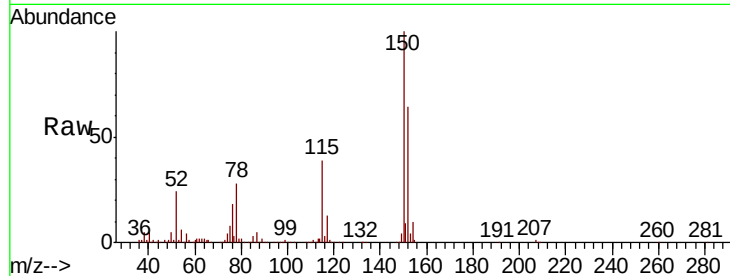


#72

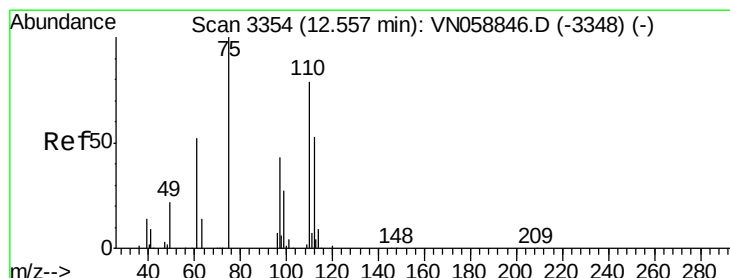
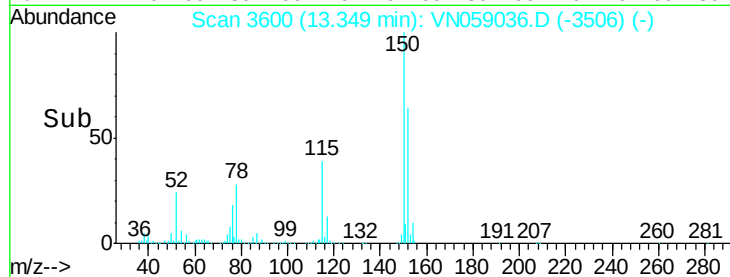
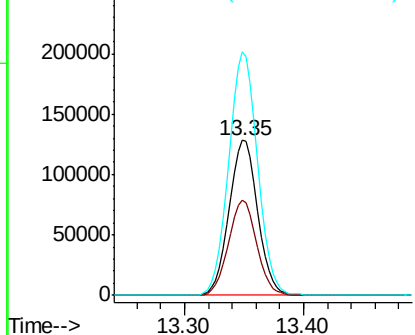
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 214270
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 158.0 0.0 344.4



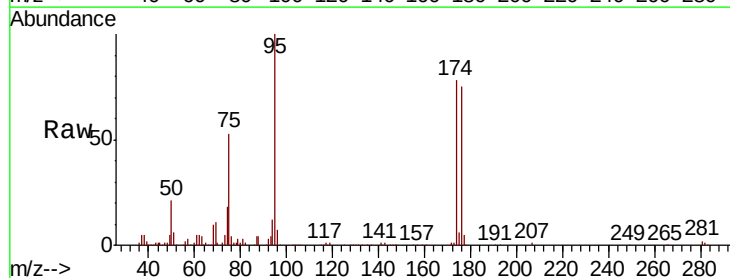
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



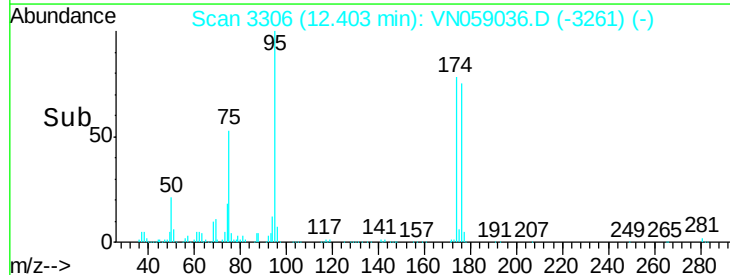
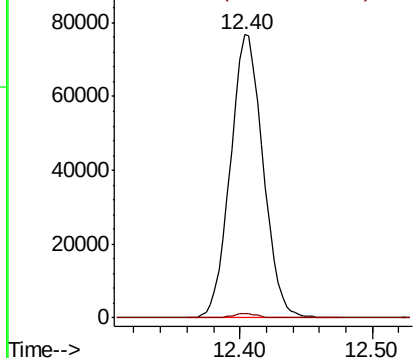
#76

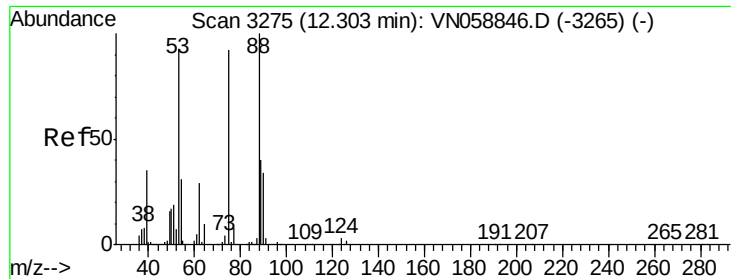
1,2,3-Trichloropropane
Concen: 26.505 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN059036.D
Acq: 31 Oct 2019 13:55

Tgt Ion: 75 Resp: 131621
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 69.047 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

Instrument :

MSVOA_N

ClientSampled :

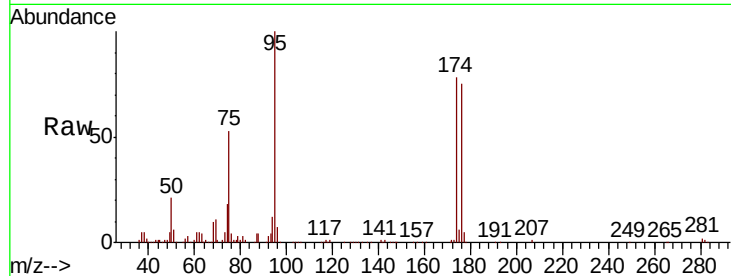
Tot Ion: 75 Resp: 131621

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

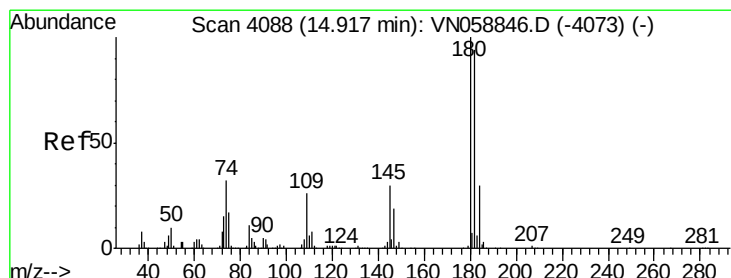
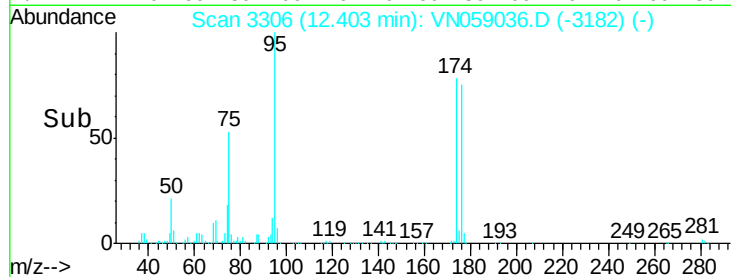
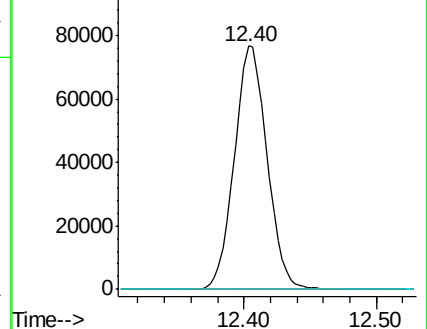
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059036.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN059036.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN059036.D (-3306) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.541 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

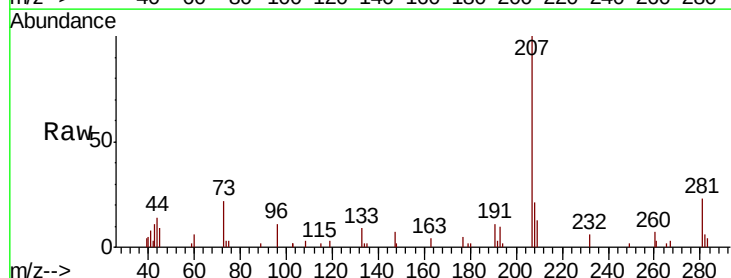
Tgt Ion: 180 Resp: 90

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

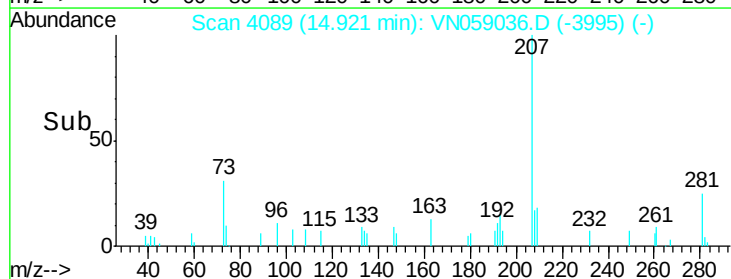
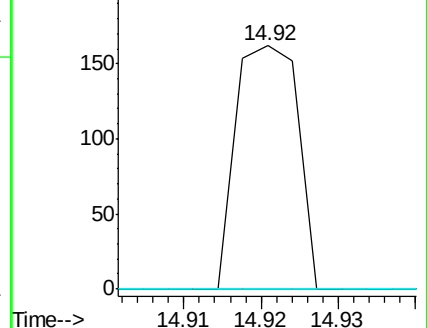
145 0.0 15.3 45.8#

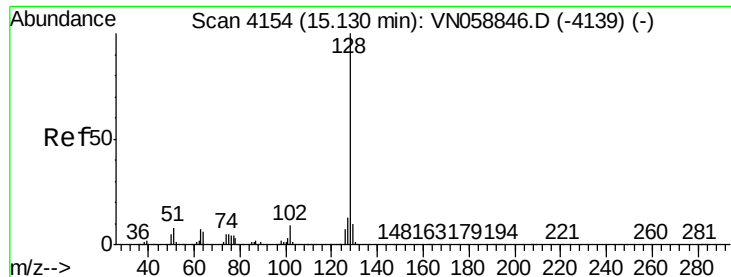


Abundance Ion 179.80 (179.50 to 180.50): VN059036.D (-4088) (-)

Ion 181.80 (181.50 to 182.50): VN059036.D (-4088) (-)

Ion 144.80 (144.50 to 145.50): VN059036.D (-4088) (-)





#95

Naphthalene

Concen: 2.370 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

Instrument :

MSVOA_N

ClientSampled :

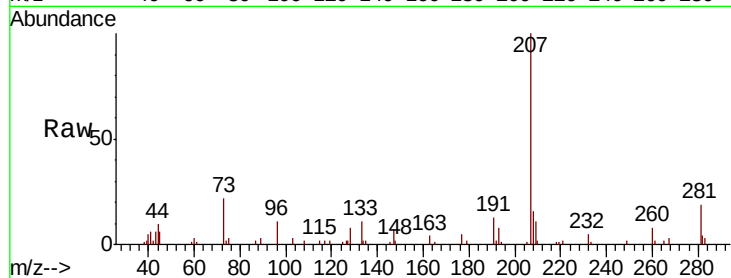
Tot Ion:128 Resp: 1864

Ion Ratio Lower Upper

128 100

127 5.8 10.2 15.2#

129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

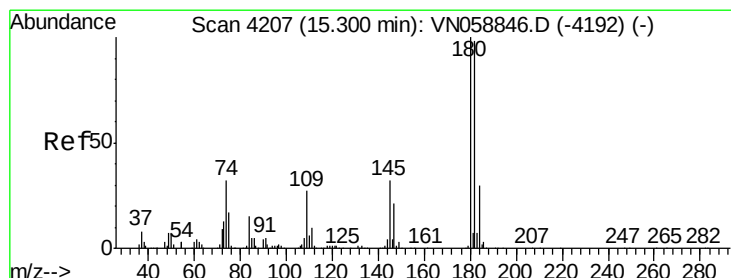
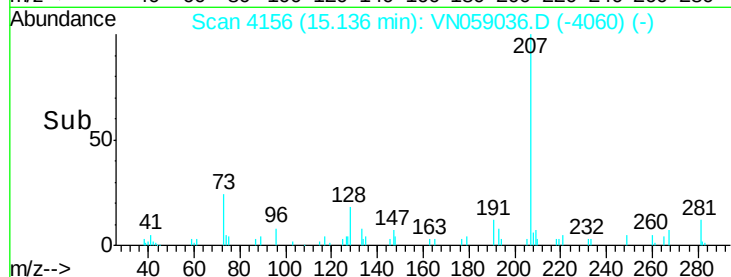
Ion 129.00 (128.70 to 129.70): V

15.14

1000

500

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.408 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.01 min

Lab File: VN059036.D

Acq: 31 Oct 2019 13:55

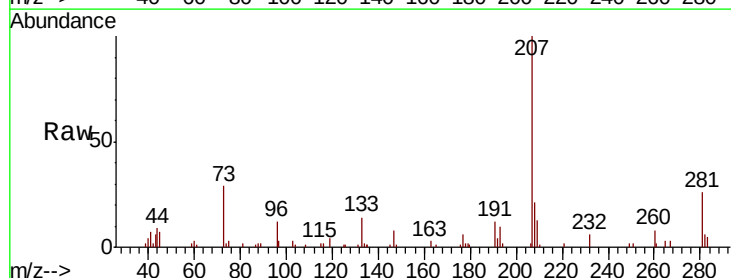
Tgt Ion:180 Resp: 60

Ion Ratio Lower Upper

180 100

182 105.0 47.9 143.7

145 218.3 15.9 47.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.31

250

200

150

100

50

Time-->

