

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061933.D
 Acq On : 19 Jun 2020 5:42
 Operator : JC/MD
 Sample : PB129596ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#10

Quant Time: Jun 19 07:35:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

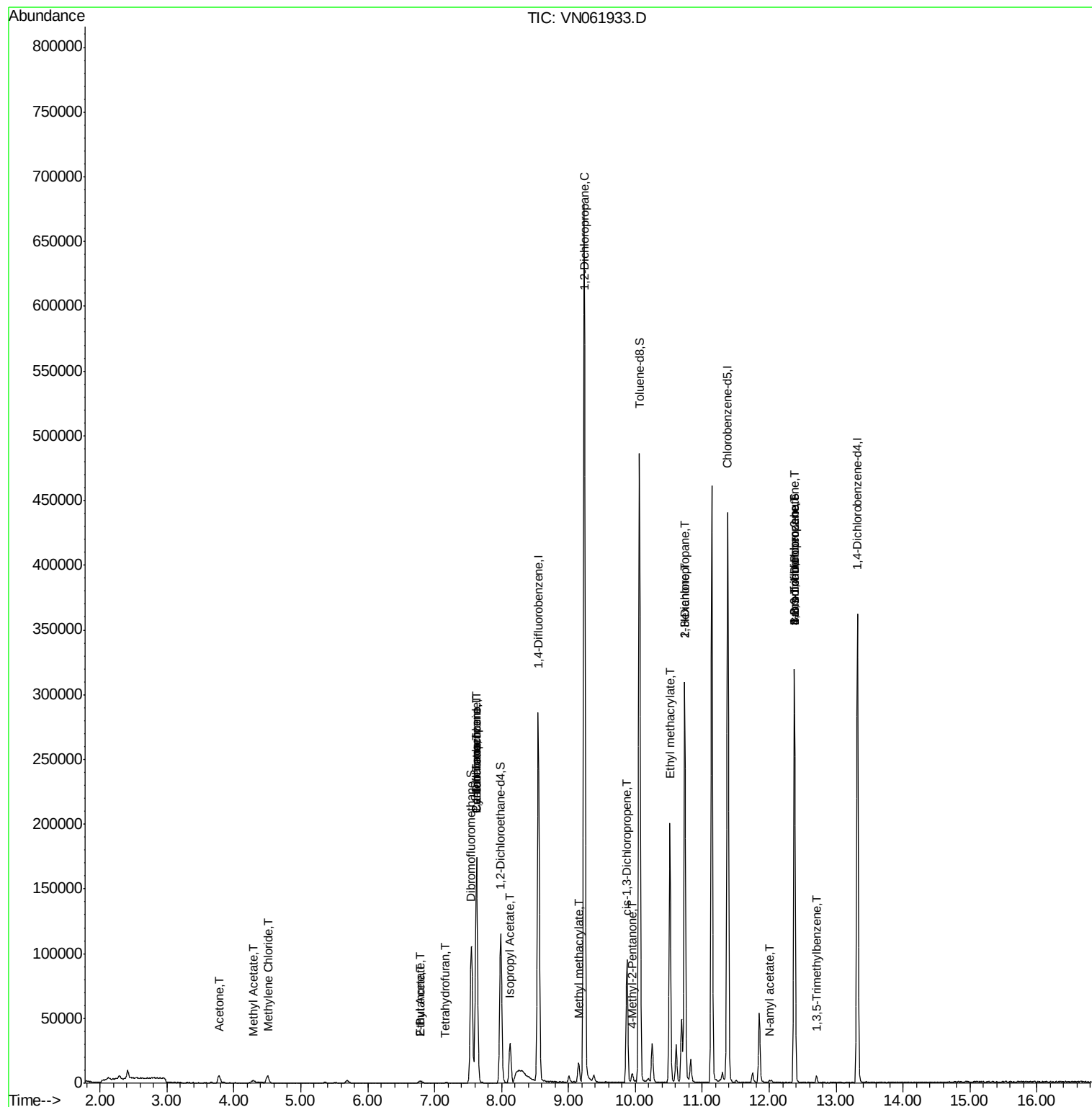
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	265433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	263082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	99744	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	96393	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.82%	
35) Dibromofluoromethane	7.55	113	83010	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.76%	
50) Toluene-d8	10.06	98	334583	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.38	95	110377	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	10042	18.133	ug/l	98
18) Methyl Acetate	4.29	43	3812	2.391	ug/l	95
20) Methylene Chloride	4.50	84	4308	2.388	ug/l	98
25) 2-Butanone	6.80	43	2201	2.724	ug/l #	83
29) Tetrahydrofuran	7.17	42	207	0.389	ug/l #	36
31) Cyclohexane	7.62	56	3014	1.220	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	11011	4.548	ug/l #	47
37) Ethyl Acetate	6.80	43	2201	1.164	ug/l #	65
38) Carbon Tetrachloride	7.63	117	13661	5.698	ug/l #	19
43) Isopropyl Acetate	8.13	43	34340	10.778	ug/l #	88
45) 1,2-Dichloropropane	9.24	63	810	0.449	ug/l #	43
48) Methyl methacrylate	9.15	41	1898	1.310	ug/l #	5
51) 4-Methyl-2-Pentanone	9.96	43	4275	2.271	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	18269	6.097	ug/l #	68
56) Ethyl methacrylate	10.51	69	743	3.155	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3483	1.134	ug/l #	42
59) 2-Hexanone	10.74	43	39030	37.963	ug/l #	48
71) Bromoform	12.38	173	1086	0.769	ug/l #	1
74) N-amyl acetate	12.01	43	819	3.364	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	56204	28.702	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3494	0.596	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.38	75	56204	78.281	ug/l #	14

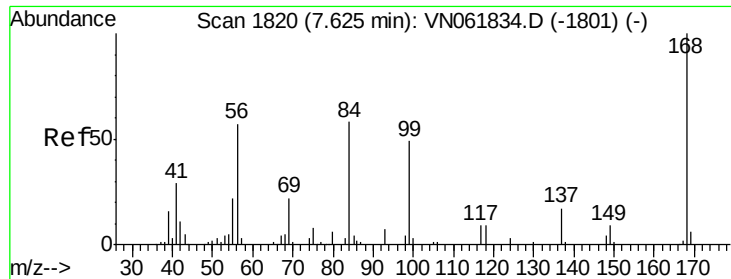
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

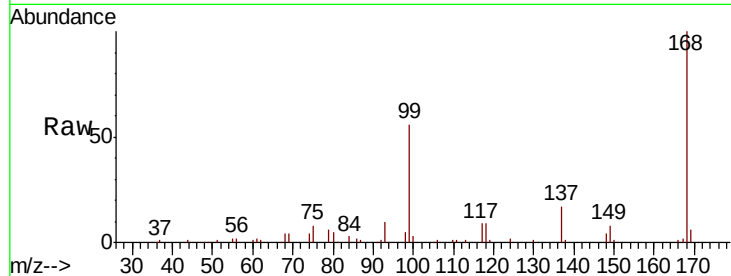
PB129596ZHE#10

Tot Ion:168 Resp: 139795

Ion Ratio Lower Upper

168 100

99 55.6 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061933.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN061933.D (-1727) (-)

7.63

60000

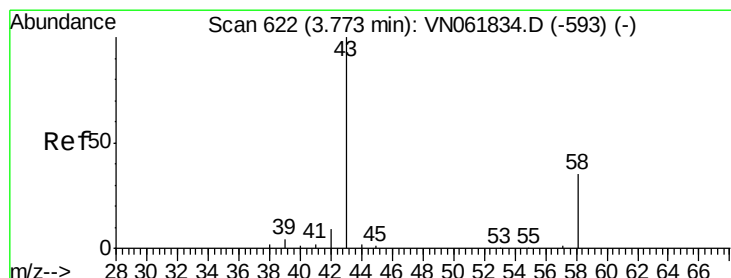
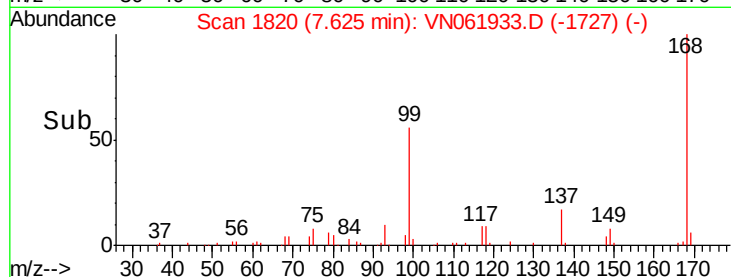
40000

20000

0

7.50 7.60 7.70

Time-->



#16

Acetone

Concen: 18.133 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061933.D

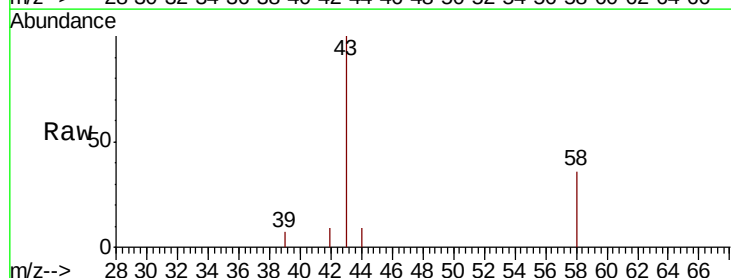
Acq: 19 Jun 2020 5:42

Tgt Ion: 43 Resp: 10042

Ion Ratio Lower Upper

43 100

58 35.8 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061933.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061933.D (-529) (-)

3.78

4000

3000

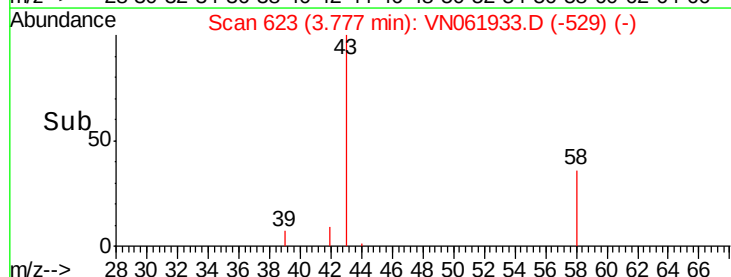
2000

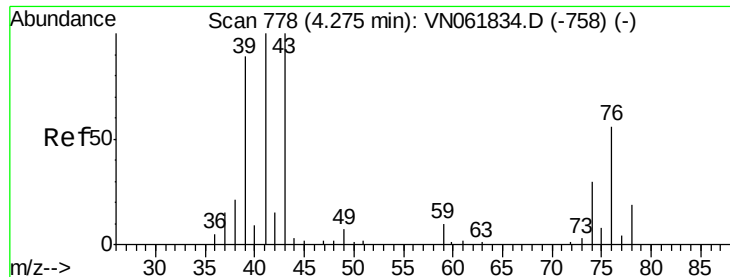
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

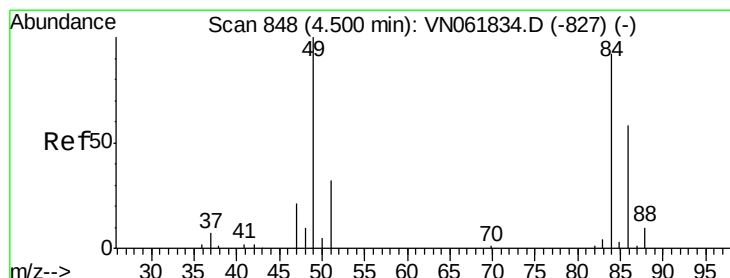
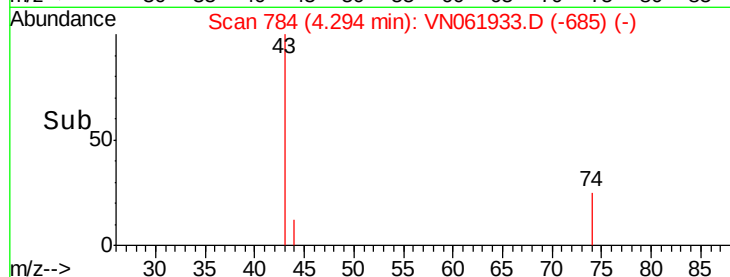
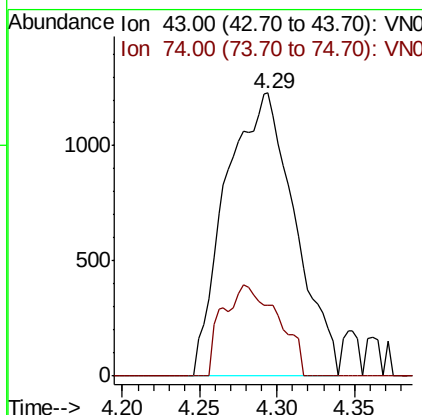
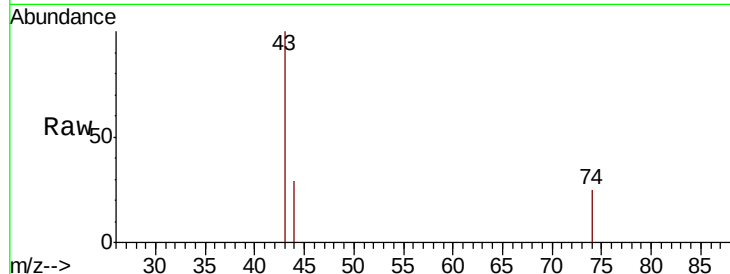




#18
Methyl Acetate
Concen: 2.391 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.02 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

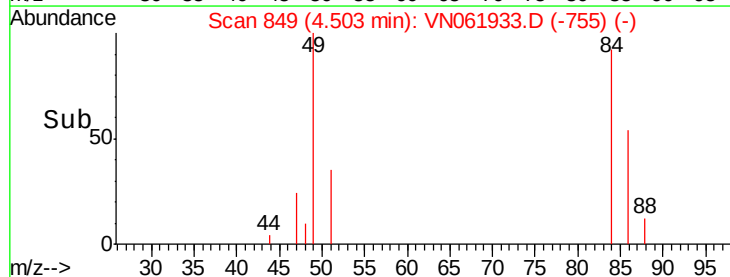
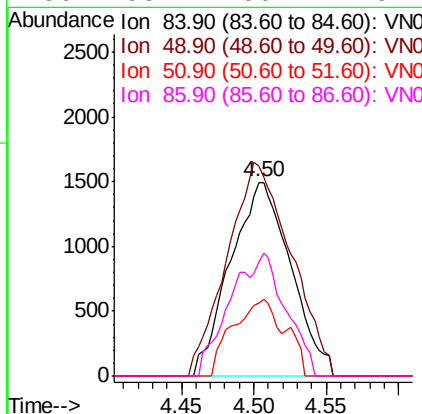
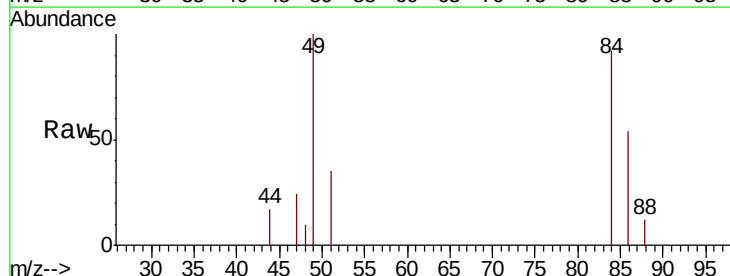
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#10

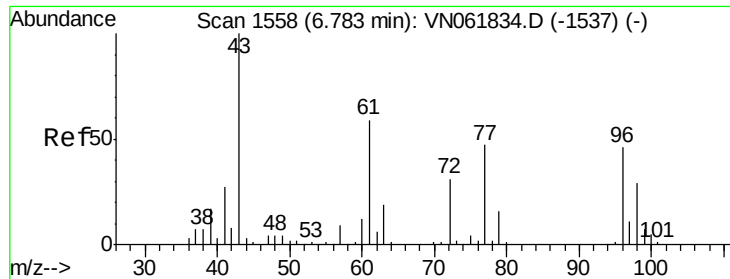
Tot Ion: 43 Resp: 3812
Ion Ratio Lower Upper
43 100
74 25.9 23.0 34.4



#20
Methylene Chloride
Concen: 2.388 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

Tgt Ion: 84 Resp: 4308
Ion Ratio Lower Upper
84 100
49 108.6 87.0 130.4
51 37.6 27.8 41.6
86 58.7 50.2 75.2

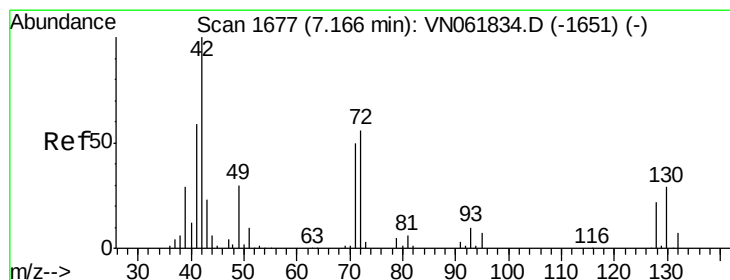
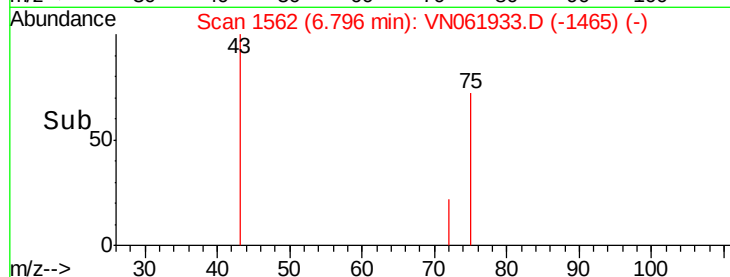
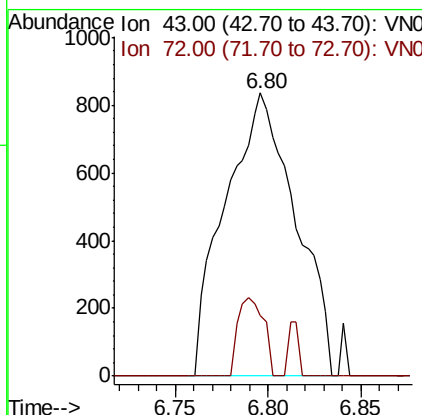
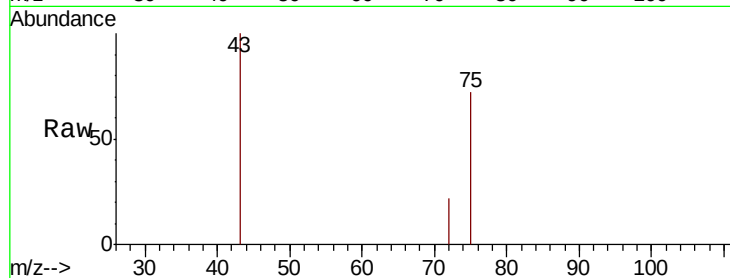




#25
2-Butanone
Concen: 2.724 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

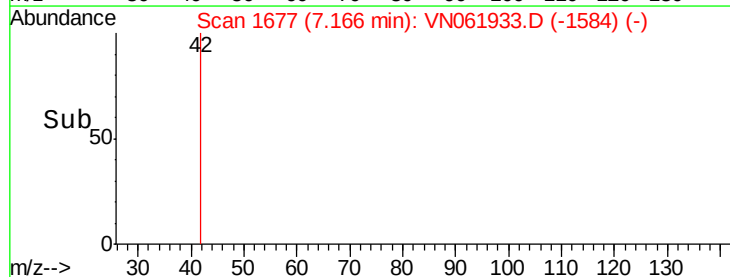
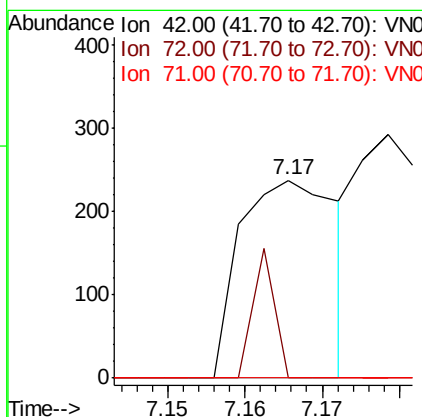
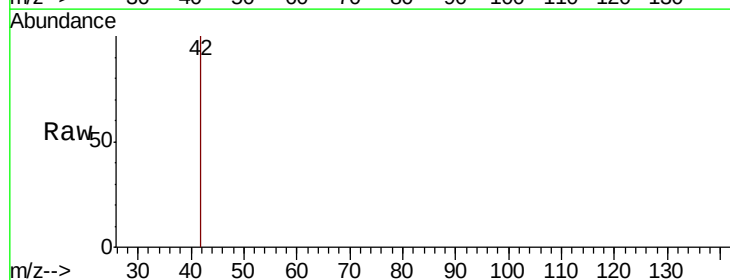
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#10

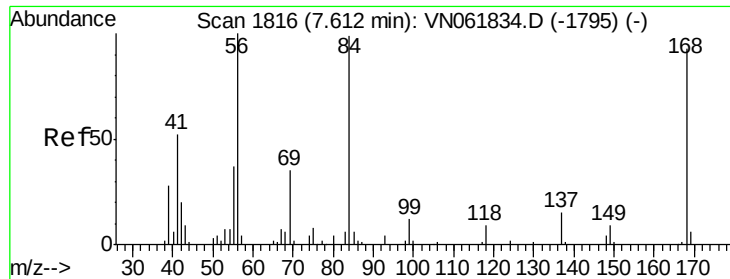
Tot Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
72 21.7 24.6 37.0#



#29
Tetrahydrofuran
Concen: 0.389 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

Tgt Ion: 42 Resp: 207
Ion Ratio Lower Upper
42 100
72 14.5 44.0 66.0#
71 0.0 40.0 60.0#

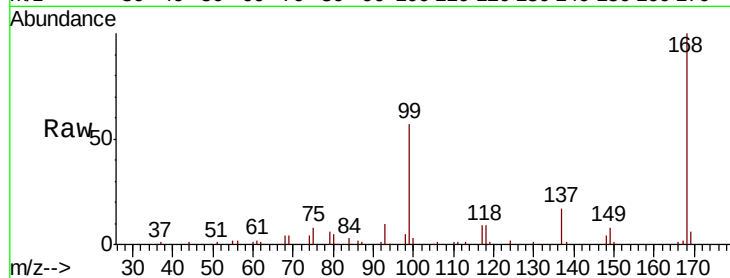




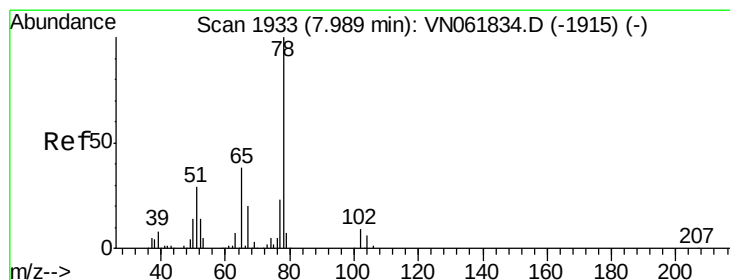
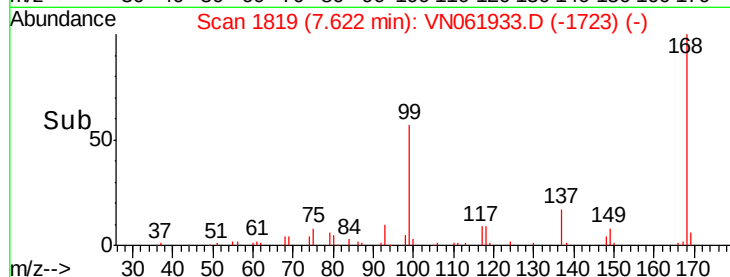
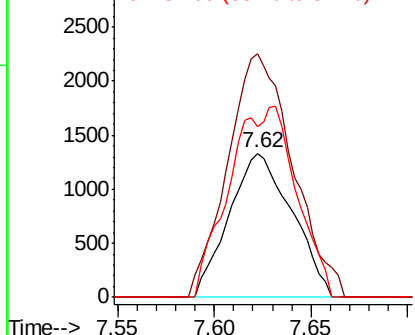
#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#10

Tot Ion: 56 Resp: 3014
Ion Ratio Lower Upper
56 100
69 169.3 27.7 41.5#
84 118.7 79.1 118.7#

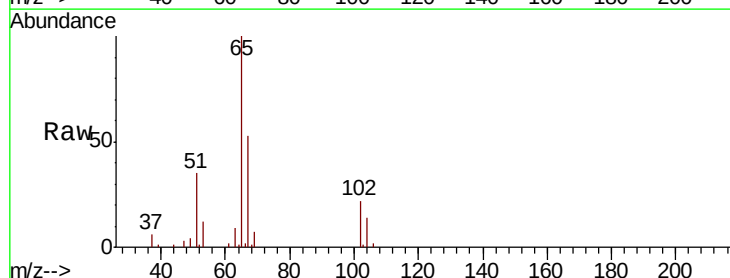


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

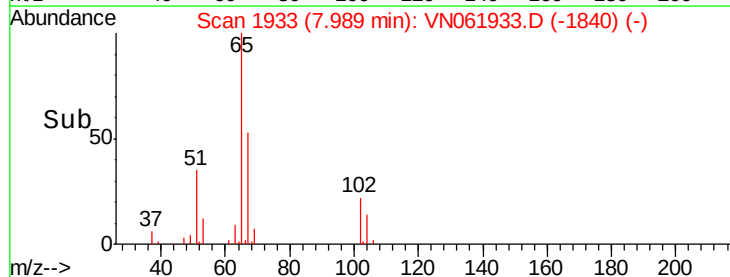
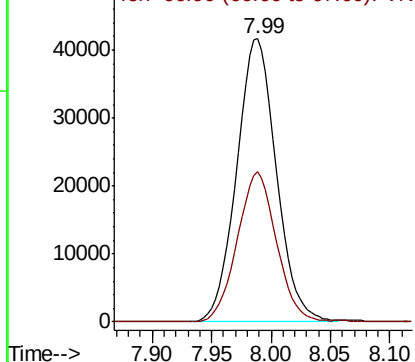


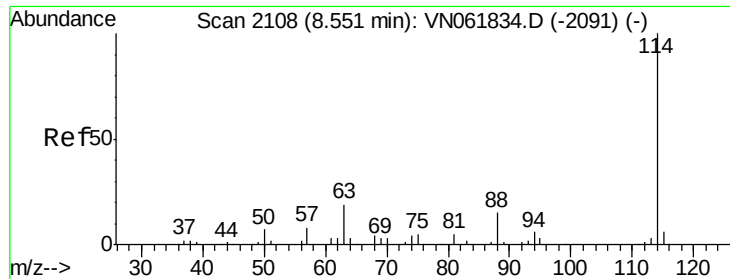
#33
1,2-Dichloroethane-d4
Concen: 51.414 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

Tgt Ion: 65 Resp: 96393
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

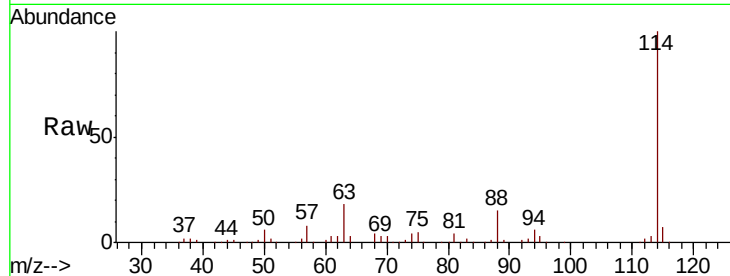




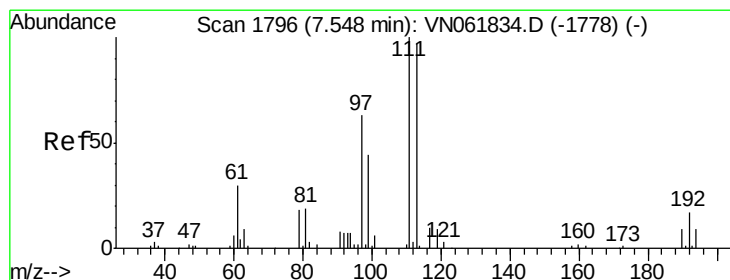
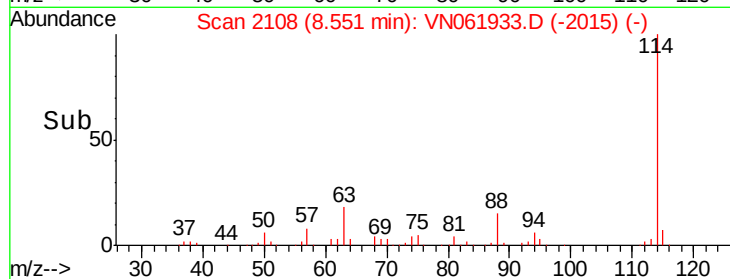
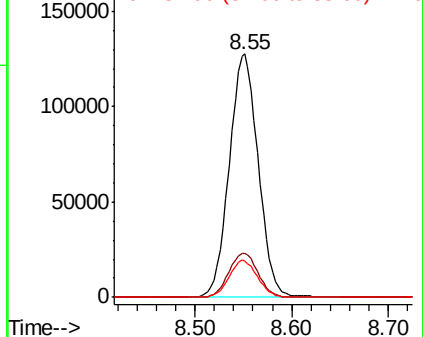
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#10

Tot Ion:114 Resp: 265433
Ion Ratio Lower Upper
114 100
63 18.1 0.0 37.6
88 14.9 0.0 31.0

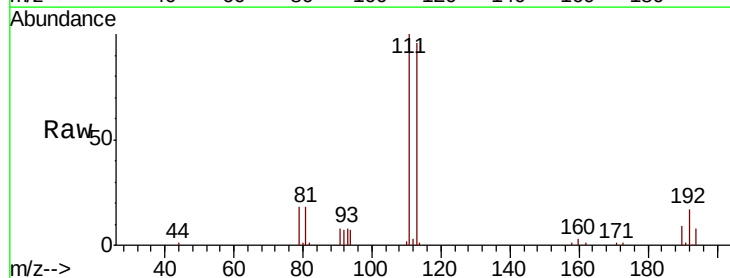


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VNO
Ion 87.90 (87.60 to 88.60): VNO

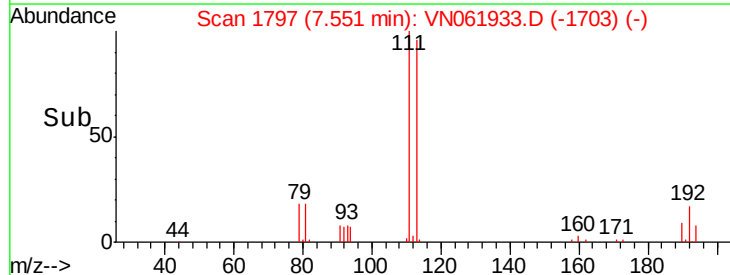
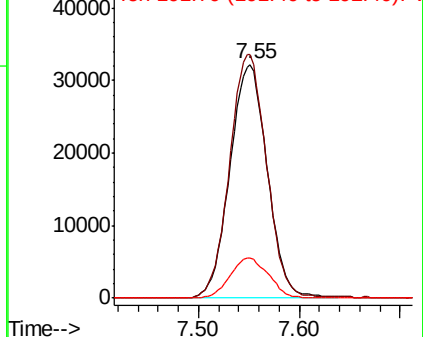


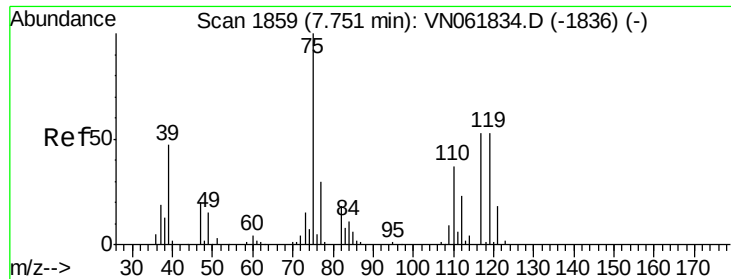
#35
Dibromofluoromethane
Concen: 48.884 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

Tgt Ion:113 Resp: 83010
Ion Ratio Lower Upper
113 100
111 102.6 83.7 125.5
192 17.6 13.9 20.9



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: 4.548 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#10

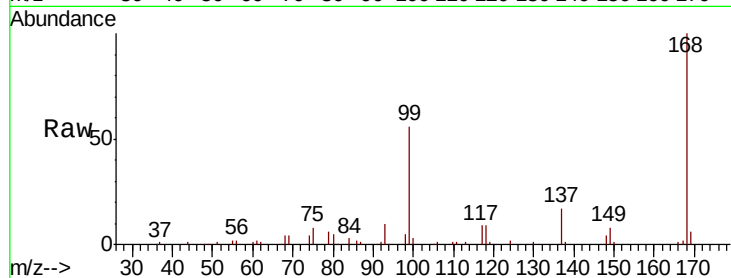
Tot Ion: 75 Resp: 11011

Ion Ratio Lower Upper

75 100

110 6.7 18.2 54.6#

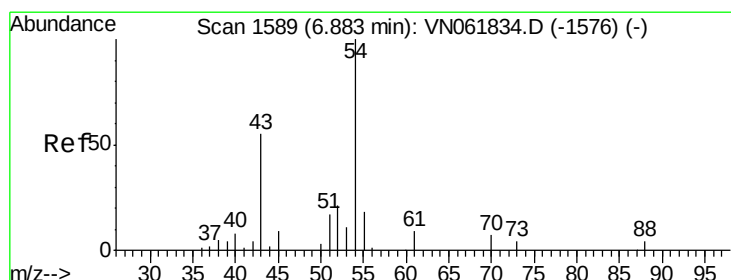
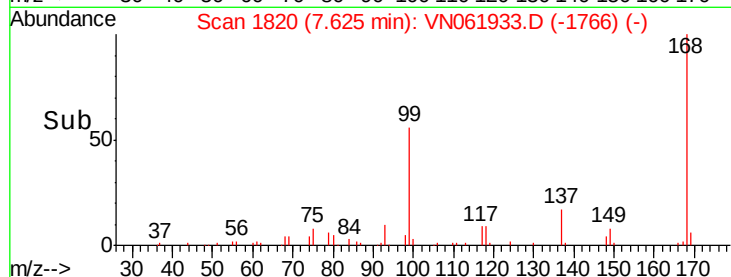
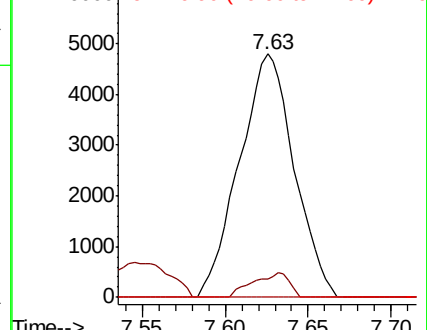
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.164 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.09 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

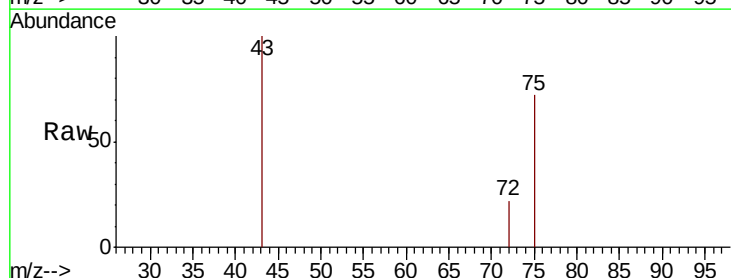
Tgt Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

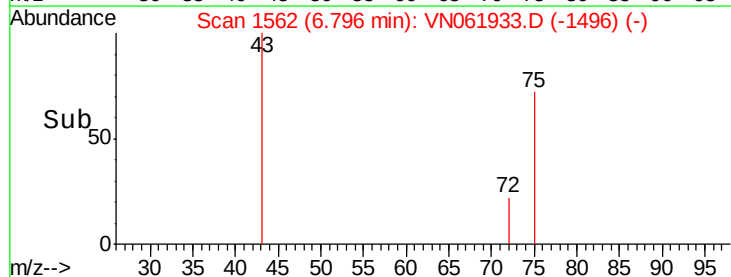
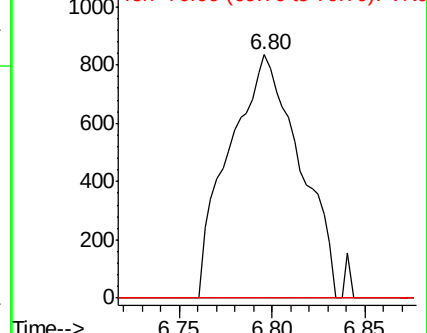
70 0.0 9.4 14.2#

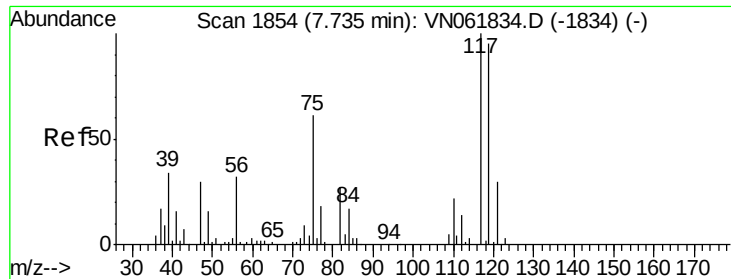


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.698 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#10

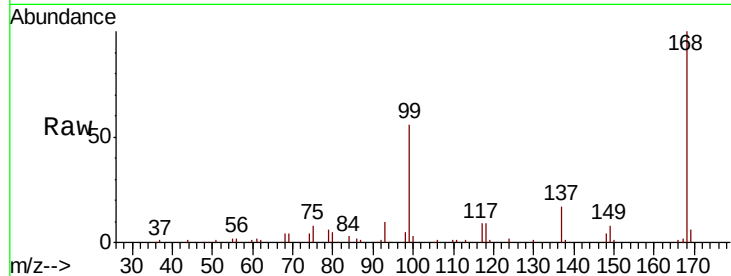
Tot Ion:117 Resp: 13661

Ion Ratio Lower Upper

117 100

119 7.7 75.8 113.6#

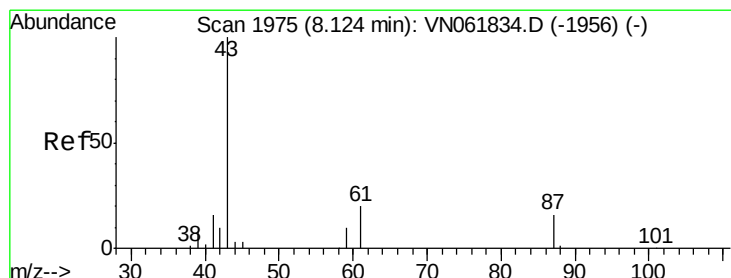
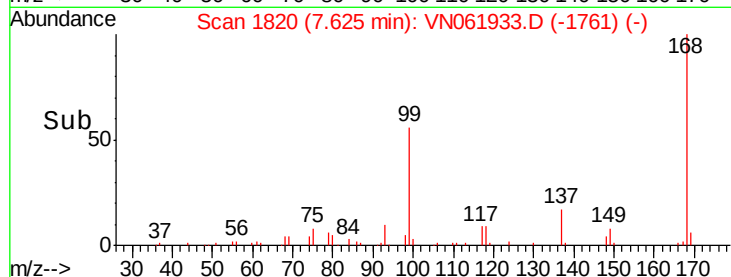
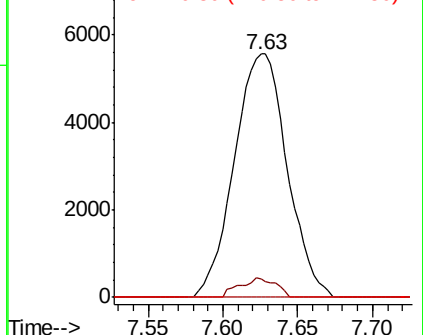
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 10.778 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

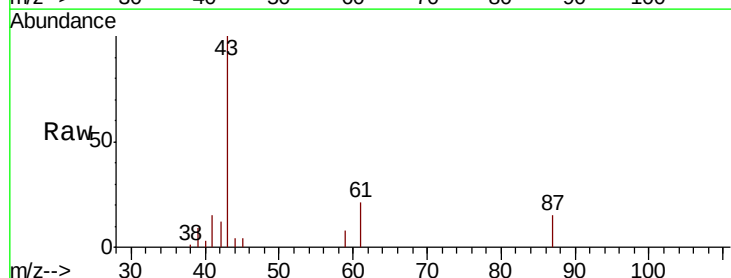
Tgt Ion: 43 Resp: 34340

Ion Ratio Lower Upper

43 100

61 20.2 24.0 36.0#

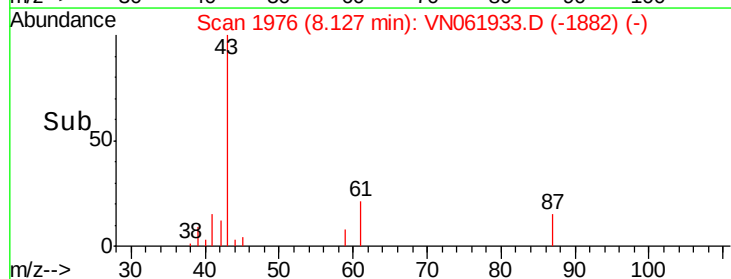
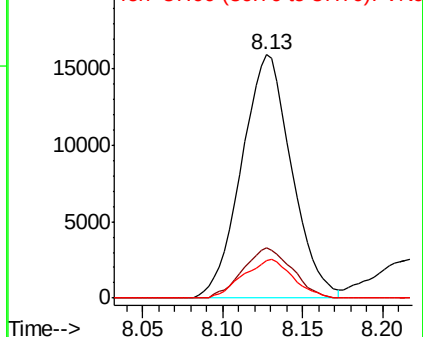
87 15.7 12.5 18.7

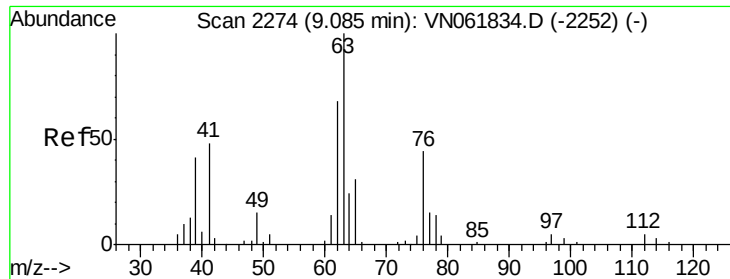


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

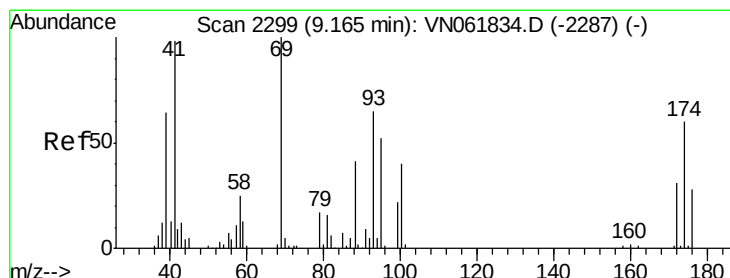
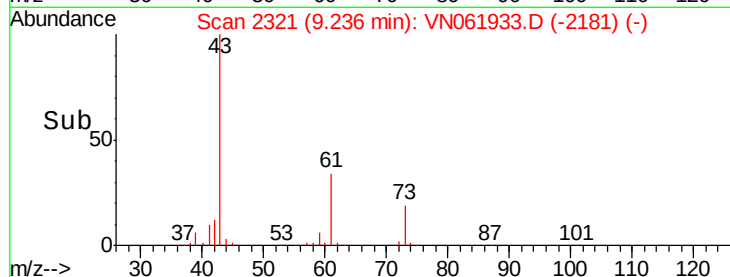
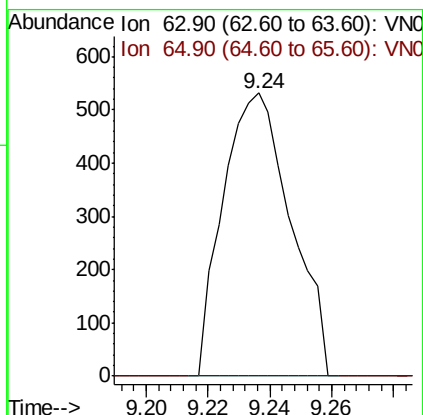
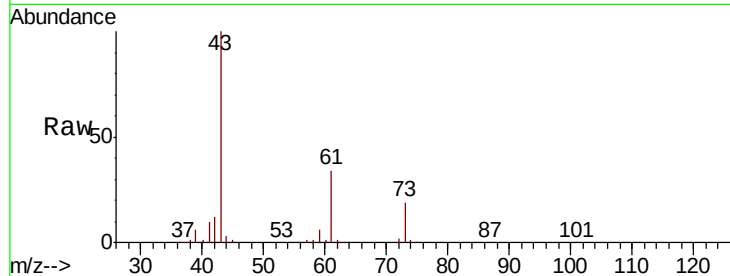




#45
 1,2-Dichloropropane
 Concen: 0.449 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

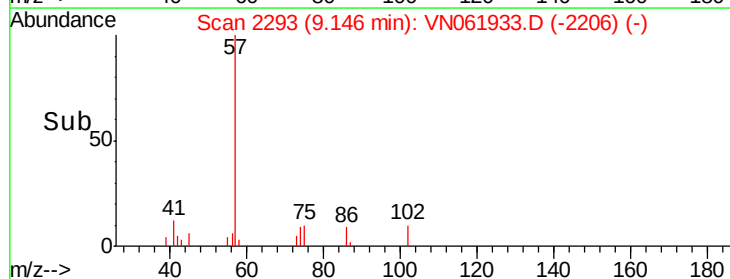
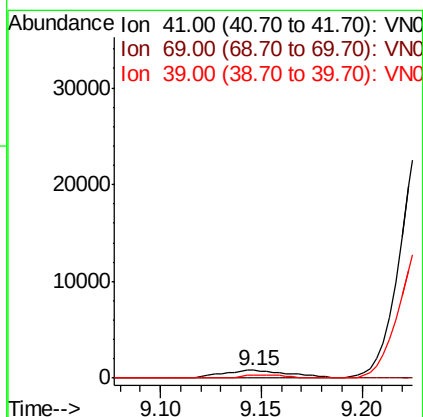
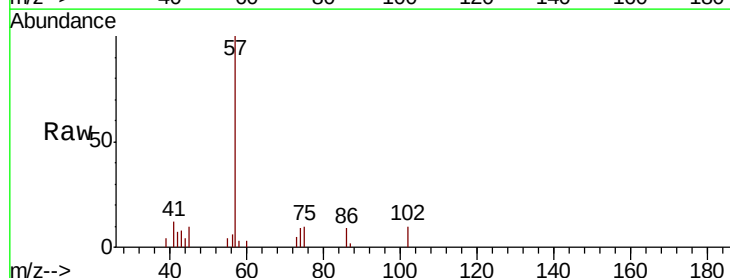
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#10

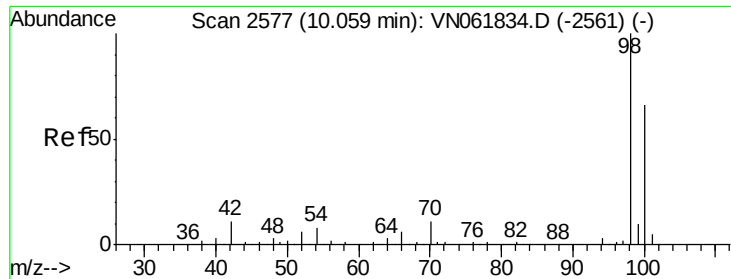
Tot Ion: 63 Resp: 810
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 1.310 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

Tgt Ion: 41 Resp: 1898
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.0 124.4#
 39 0.0 55.1 82.7#





#50

Toluene-d8

Concen: 50.118 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

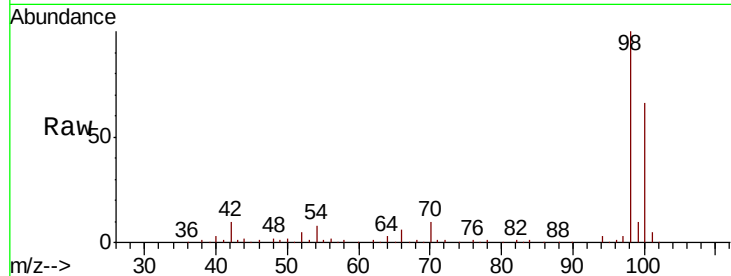
PB129596ZHE#10

Tot Ion: 98 Resp: 334583

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061933.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061933.D (-2561) (-)

10.06

150000

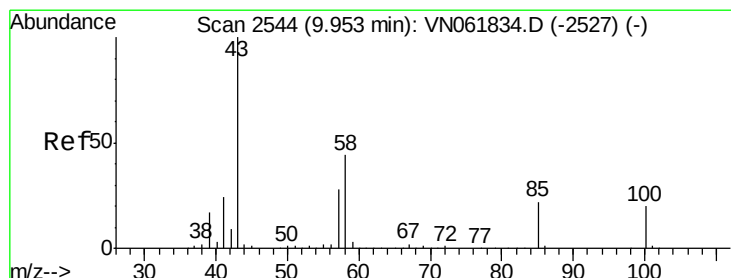
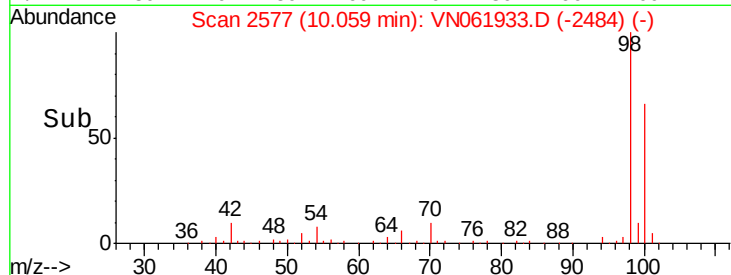
100000

50000

0

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.271 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061933.D

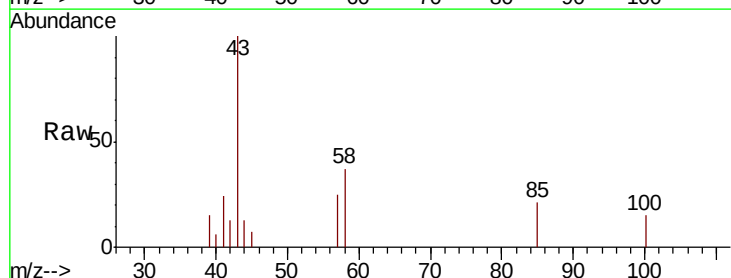
Acq: 19 Jun 2020 5:42

Tgt Ion: 43 Resp: 4275

Ion Ratio Lower Upper

43 100

58 41.8 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061933.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061933.D (-2527) (-)

12000

10000

8000

6000

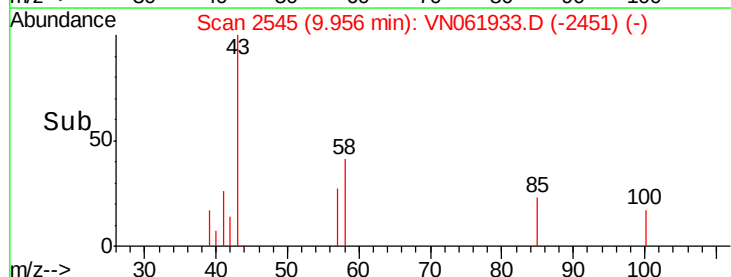
4000

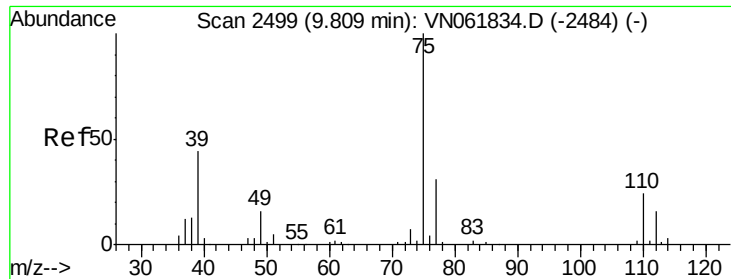
2000

0

9.90 9.95 10.00

Time-->



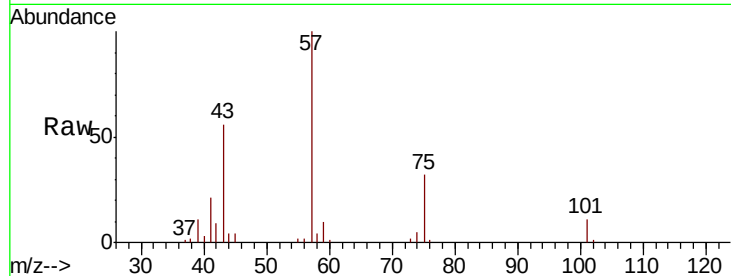


#54

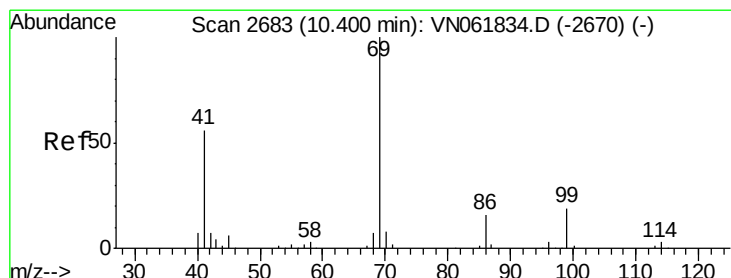
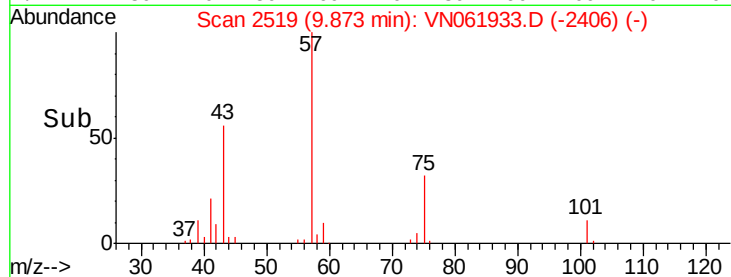
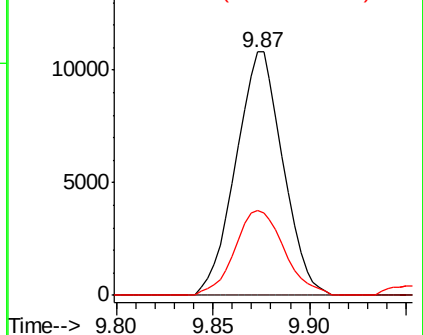
cis-1,3-Dichloropropene
 Concen: 6.097 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#10

Tot Ion: 75 Resp: 18269
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 35.0 35.4 53.0#



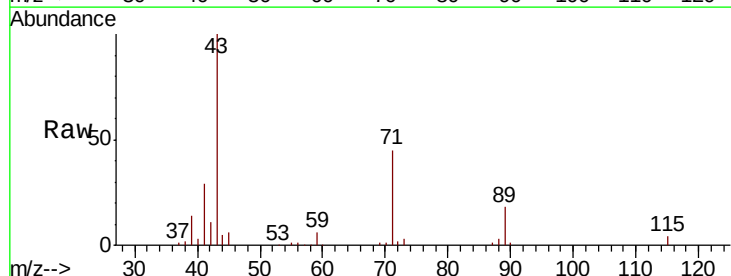
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



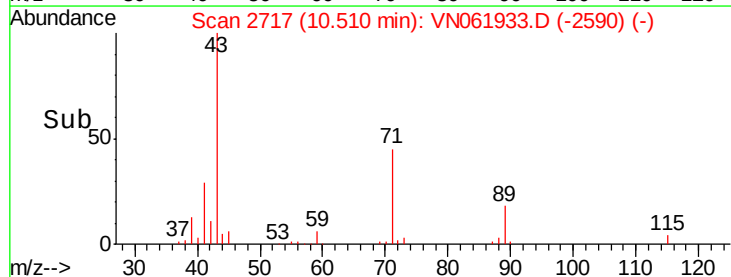
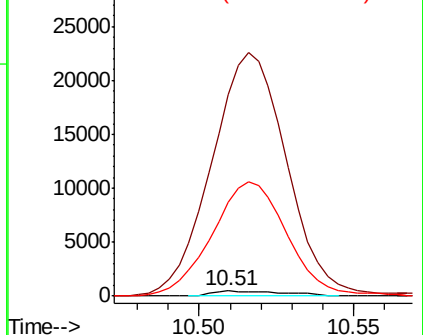
#56

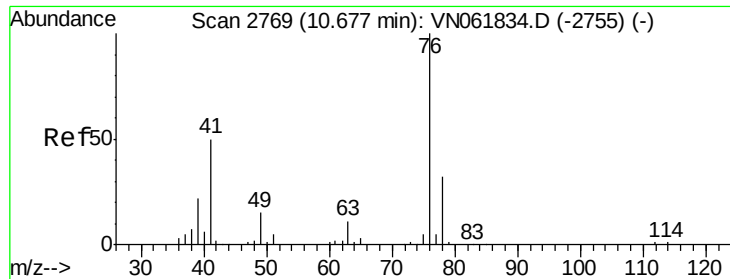
Ethyl methacrylate
 Concen: 3.155 ug/l
 RT: 10.51 min Scan# 2717
 Delta R.T. 0.11 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

Tgt Ion: 69 Resp: 743
 Ion Ratio Lower Upper
 69 100
 41 5170.7 44.9 67.3#
 39 2422.5 30.0 45.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

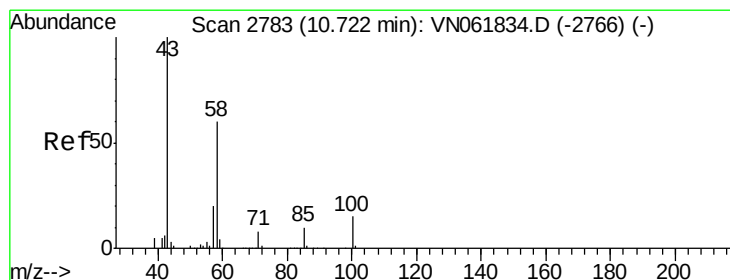
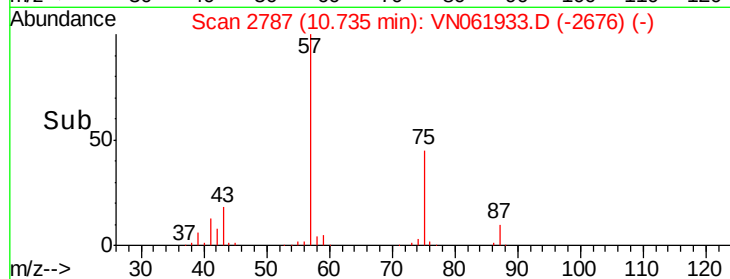
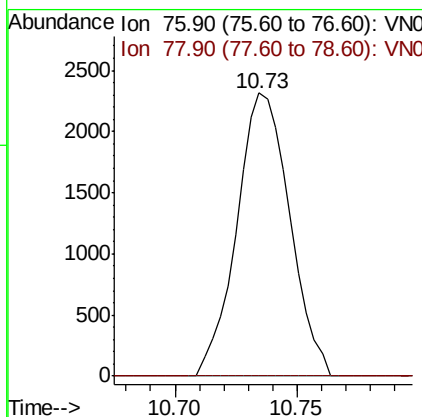
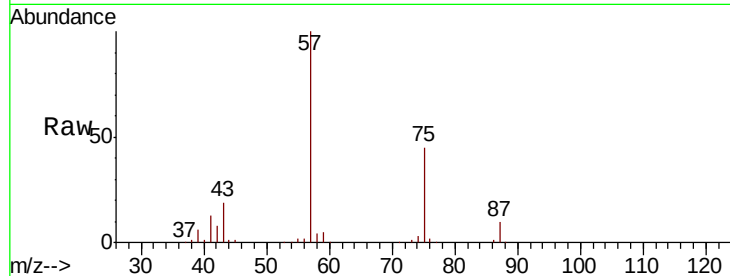




#57
 1,3-Dichloropropane
 Concen: 1.134 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.06 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

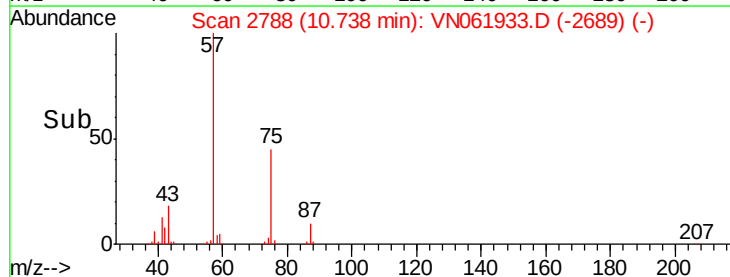
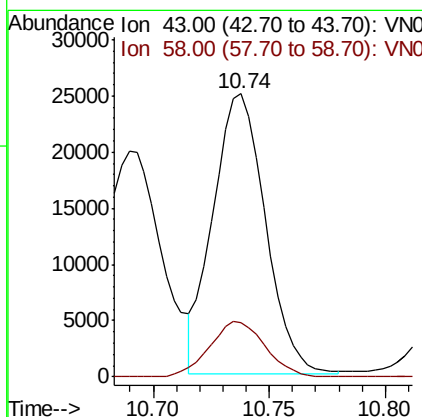
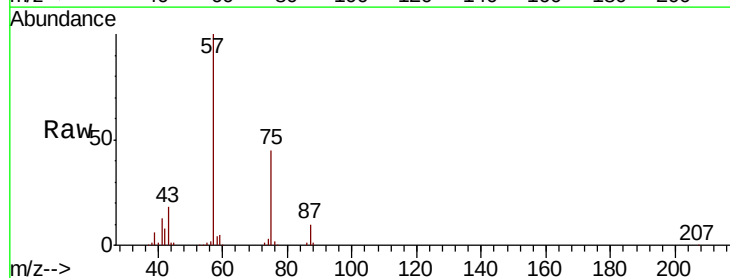
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#10

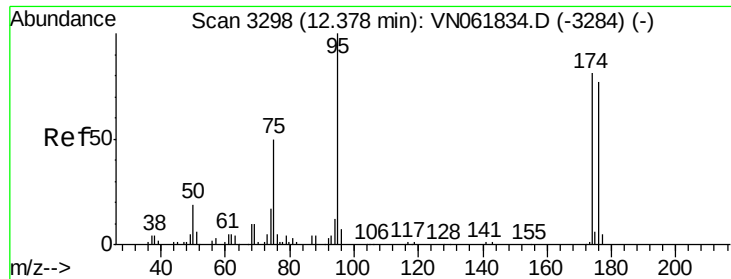
Tot Ion: 76 Resp: 3483
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 37.963 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

Tgt Ion: 43 Resp: 39030
 Ion Ratio Lower Upper
 43 100
 58 21.0 30.1 90.5#

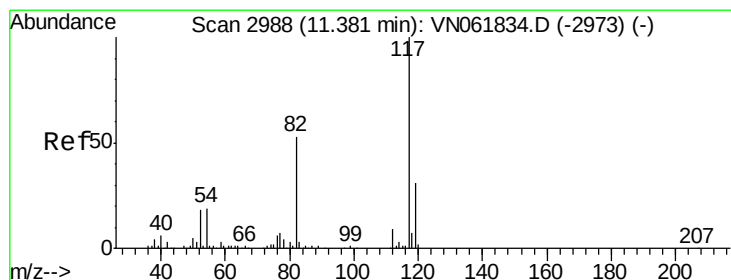
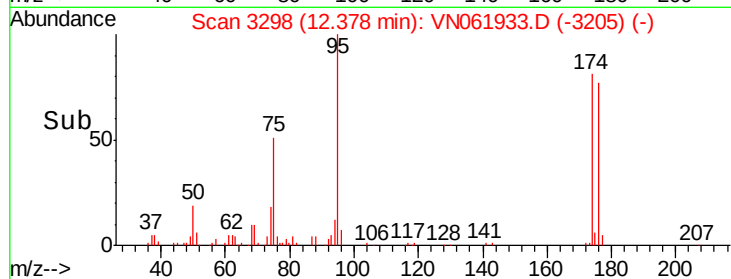
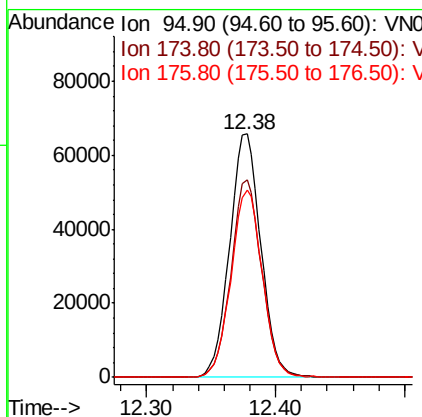
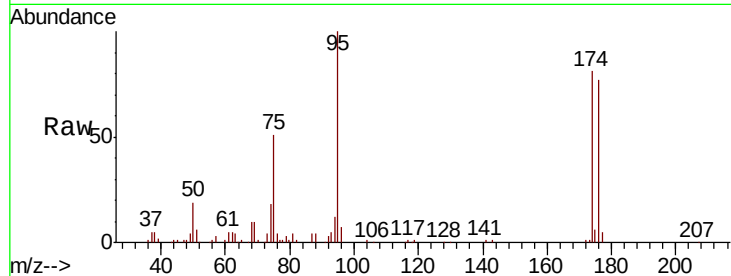




#62
4-Bromofluorobenzene
Concen: 48.201 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

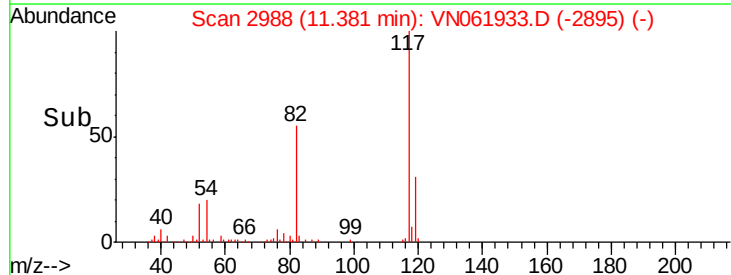
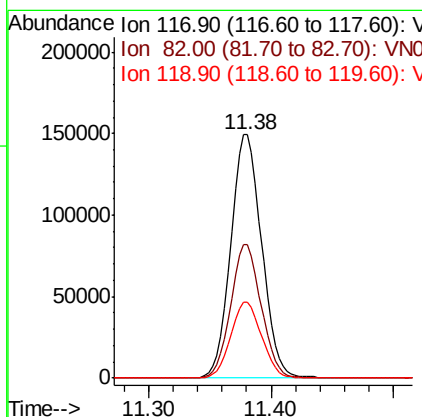
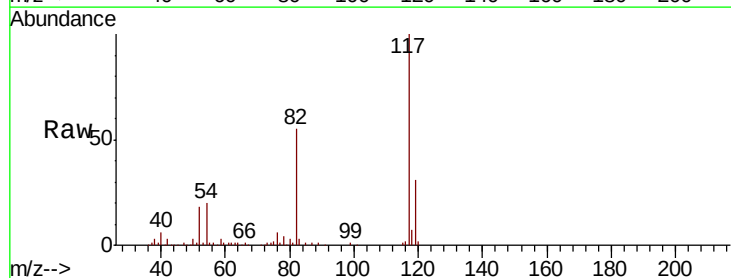
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#10

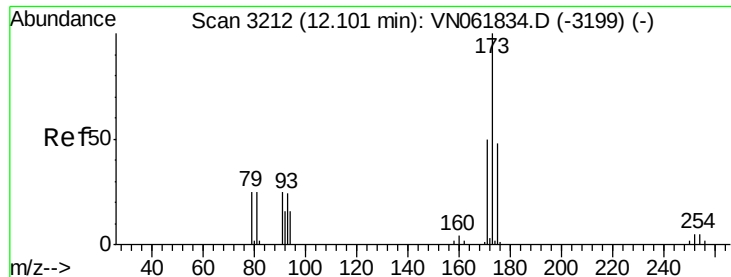
Tot Ion: 95 Resp: 110377
Ion Ratio Lower Upper
95 100
174 79.7 0.0 158.6
176 77.1 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061933.D
Acq: 19 Jun 2020 5:42

Tgt Ion: 117 Resp: 263082
Ion Ratio Lower Upper
117 100
82 54.6 42.6 64.0
119 31.4 24.7 37.1





#71

Bromoform

Concen: 0.769 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#10

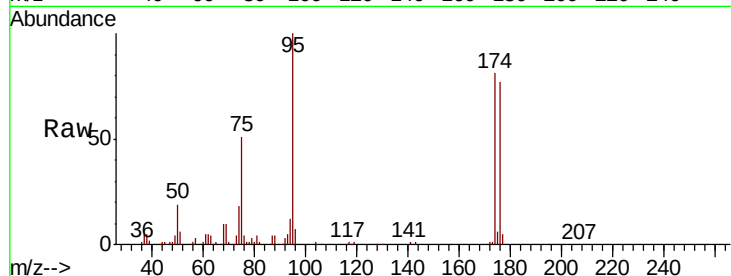
Tot Ion:173 Resp: 1086

Ion Ratio Lower Upper

173 100

175 515.8 23.9 71.7#

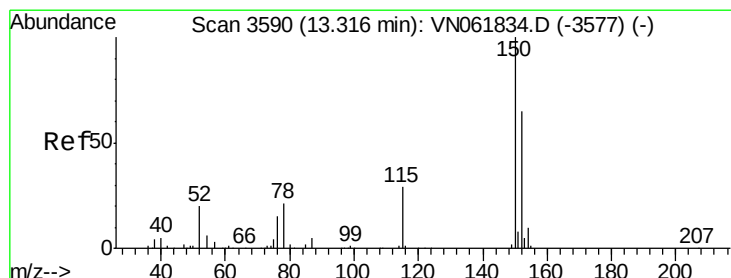
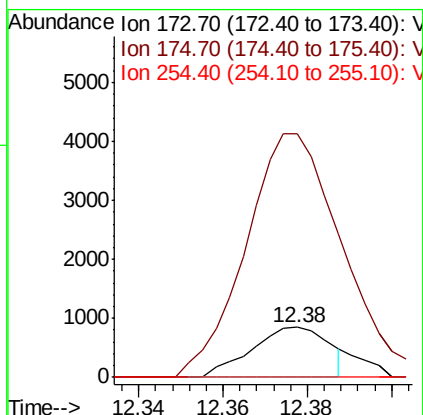
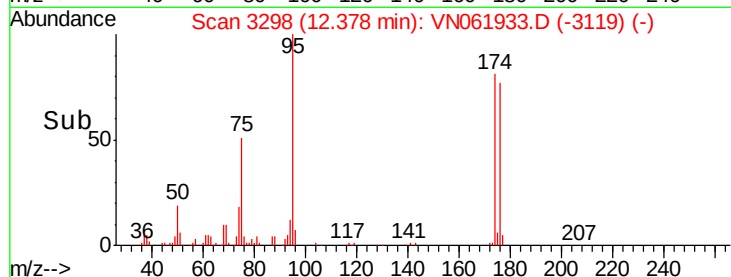
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

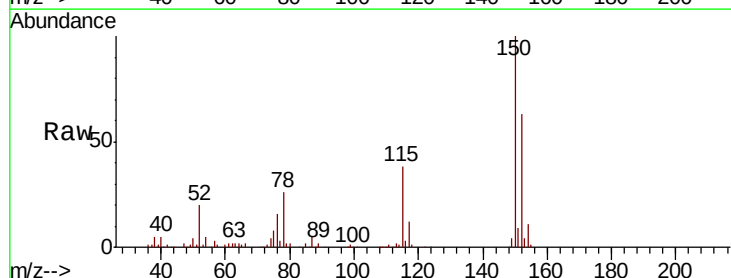
Tgt Ion:152 Resp: 99744

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.3

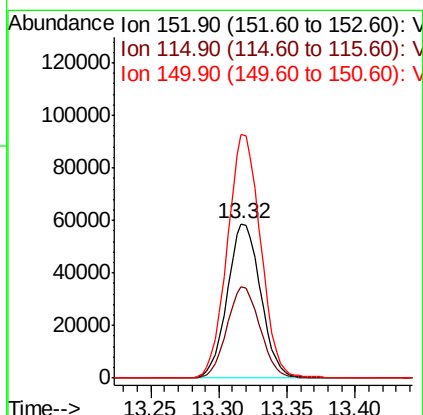
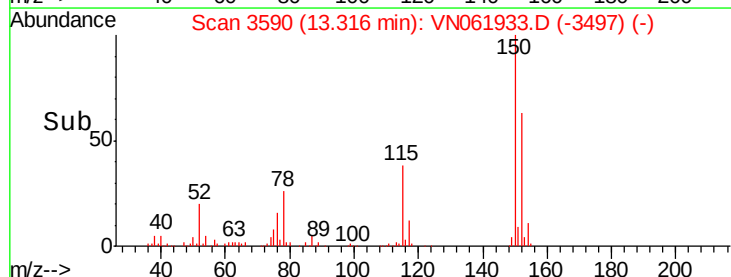
150 158.0 0.0 347.6

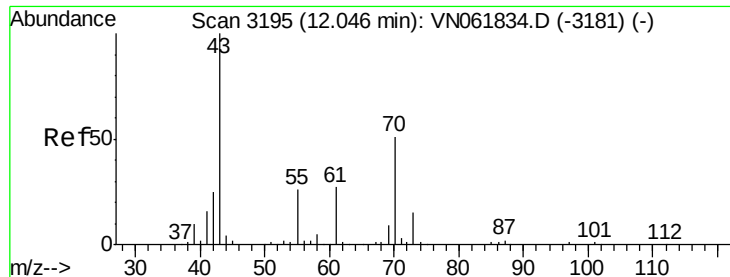


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.364 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN061933.D

Acq: 19 Jun 2020 5:42

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#10

Tot Ion: 43 Resp: 819

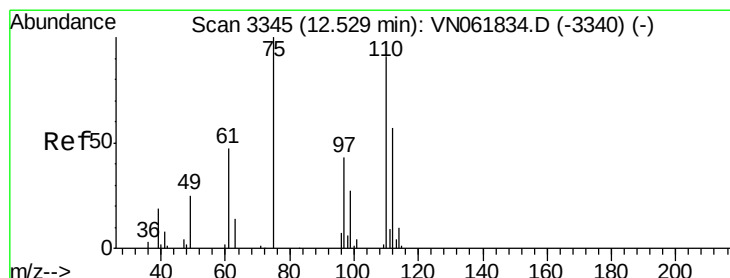
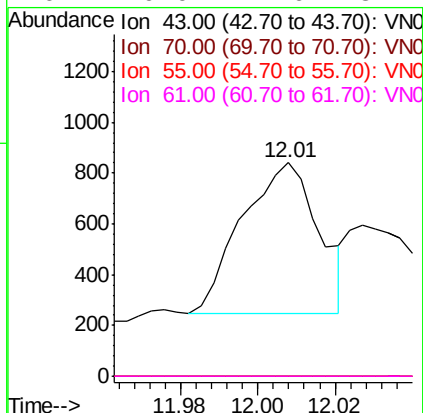
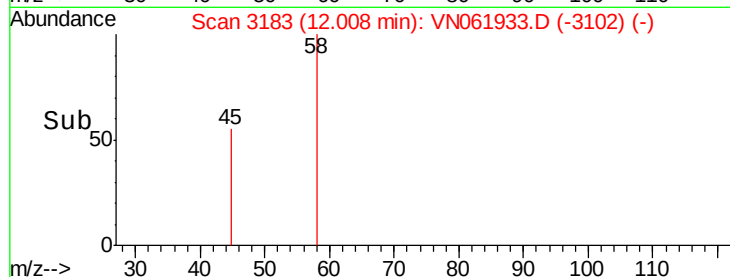
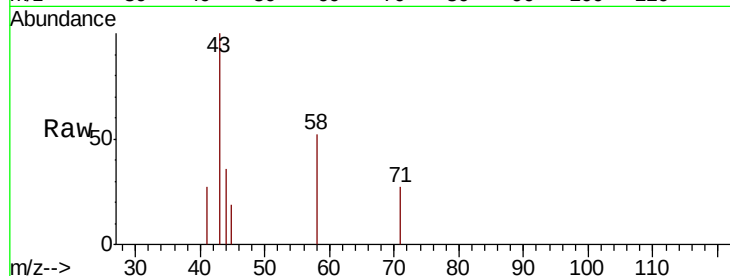
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#



#76

1,2,3-Trichloropropane

Concen: 28.702 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061933.D

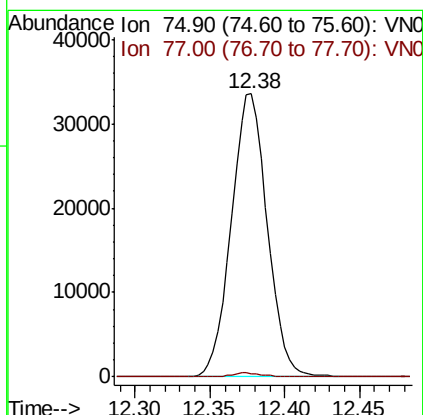
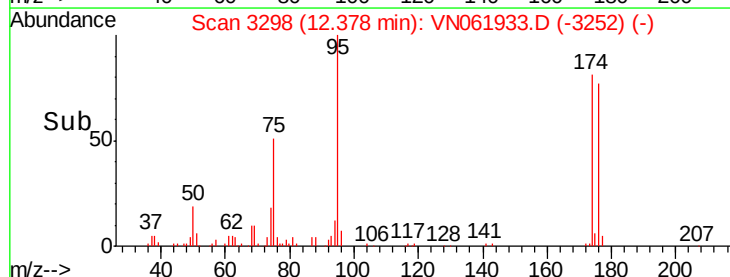
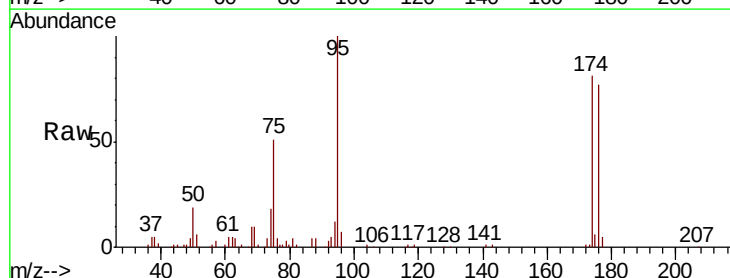
Acq: 19 Jun 2020 5:42

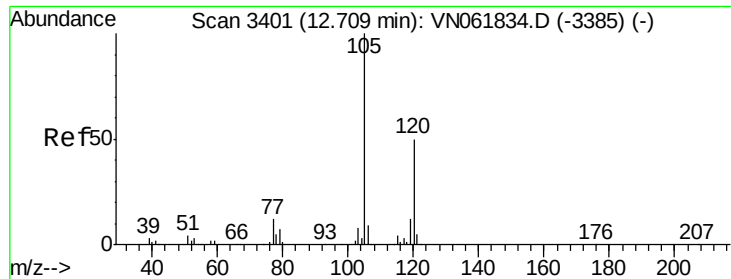
Tgt Ion: 75 Resp: 56204

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

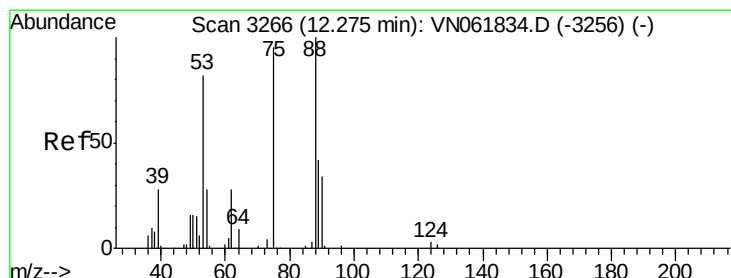
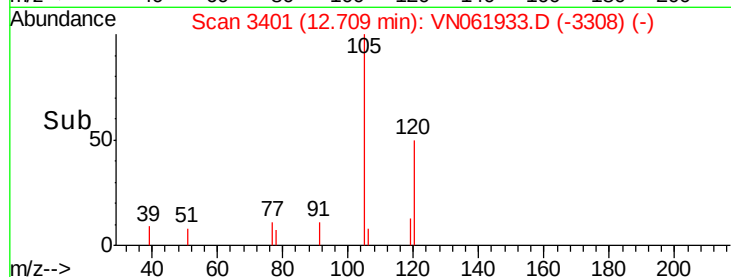
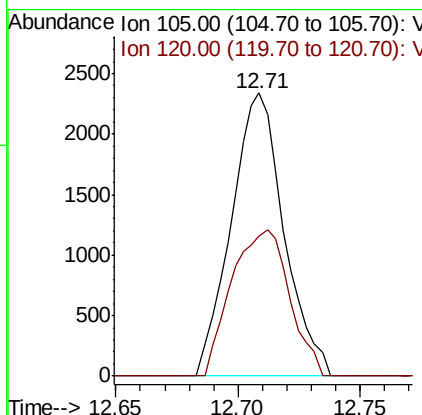
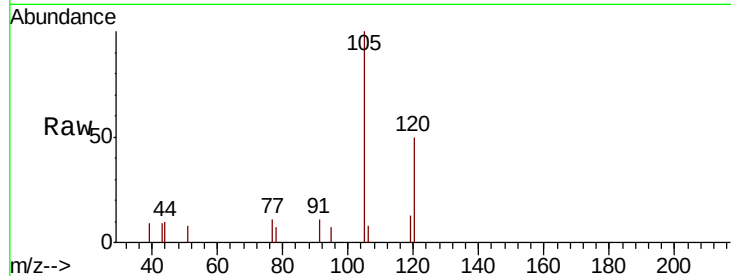




#80
 1,3,5-Trimethylbenzene
 Concen: 0.596 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#10

Tot Ion:105 Resp: 3494
 Ion Ratio Lower Upper
 105 100
 120 57.0 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.281 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061933.D
 Acq: 19 Jun 2020 5:42

Tgt Ion: 75 Resp: 56204
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

