

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061881.D
 Acq On : 18 Jun 2020 5:05
 Operator : JC/MD
 Sample : PB129582TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582TB

Quant Time: Jun 18 07:10:07 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	134936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	251654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	99462	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	91469	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	7.55	113	81099	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.06	98	323737	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.38	95	109997	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	

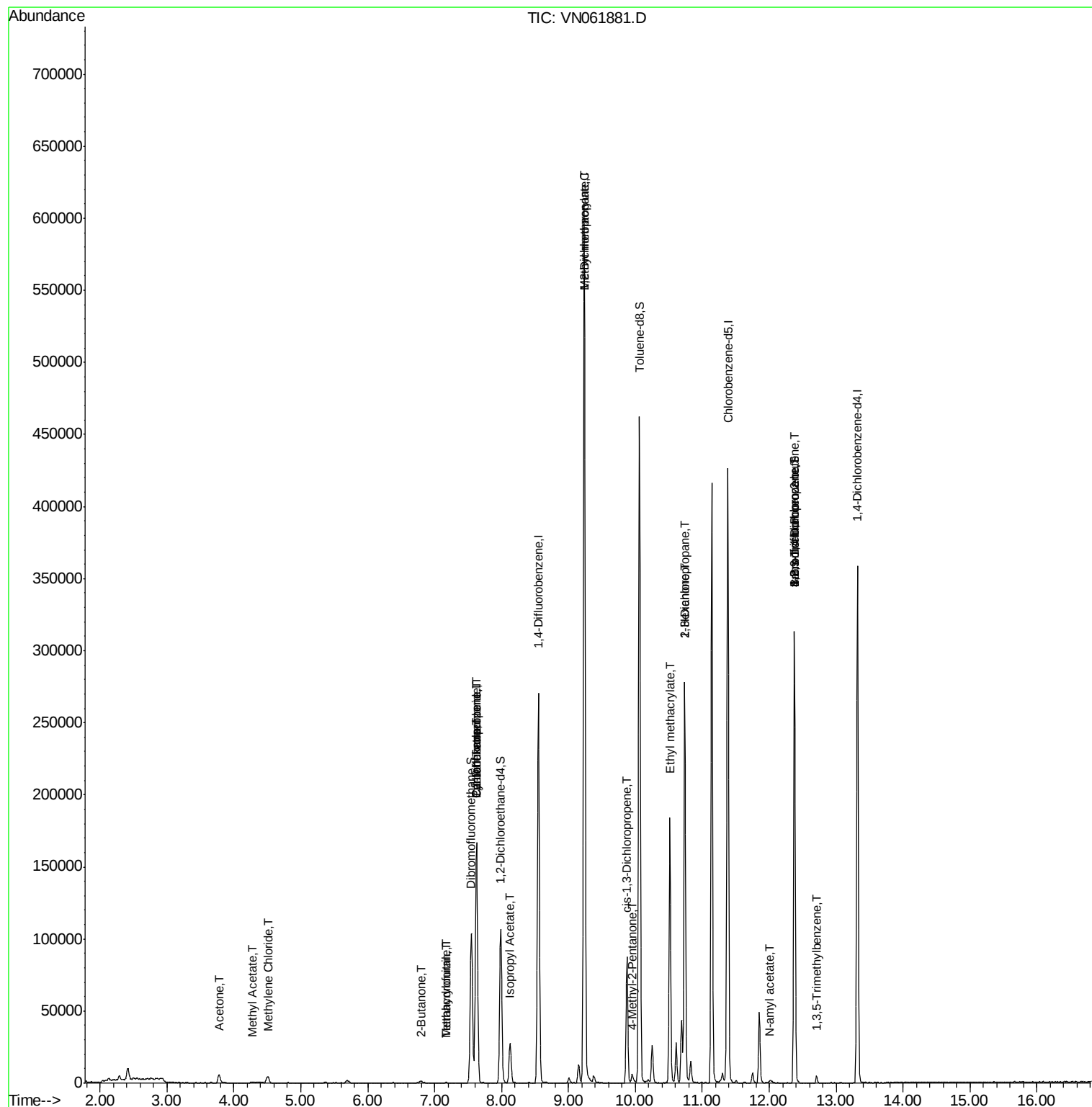
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9097	17.018	ug/l	98
18) Methyl Acetate	4.27	43	459	0.298	ug/l #	46
20) Methylene Chloride	4.50	84	4375	2.512	ug/l	94
25) 2-Butanone	6.81	43	1744	2.236	ug/l	91
29) Tetrahydrofuran	7.16	42	180	0.351	ug/l #	37
31) Cyclohexane	7.62	56	2833	1.188	ug/l #	7
36) 1,1-Dichloropropene	7.62	75	10529	4.587	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13604	5.985	ug/l #	17
41) Methacrylonitrile	7.18	41	294	0.384	ug/l #	100
43) Isopropyl Acetate	8.13	43	31226	10.337	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	583	0.341	ug/l #	43
48) Methyl methacrylate	9.24	41	56845	41.381	ug/l #	34
51) 4-Methyl-2-Pentanone	9.96	43	5693	3.189	ug/l #	76
54) cis-1,3-Dichloropropene	9.87	75	16660	5.864	ug/l #	69
56) Ethyl methacrylate	10.51	69	671	3.143	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3073	1.056	ug/l #	42
59) 2-Hexanone	10.74	43	38179	38.743	ug/l #	48
71) Bromoform	12.37	173	932	0.675	ug/l #	1
74) N-amyl acetate	12.01	43	1931	3.772	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	54577	27.950	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3530	0.604	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.37	75	54577	76.231	ug/l #	14

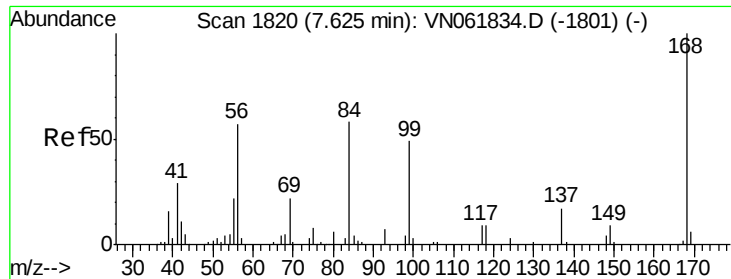
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061720\
Data File : VN061881.D
Acq On : 18 Jun 2020 5:05
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Sample : PB129582TB
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Quant Time: Jun 18 07:10:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

Instrument :

MSVOA_N

ClientSampled :

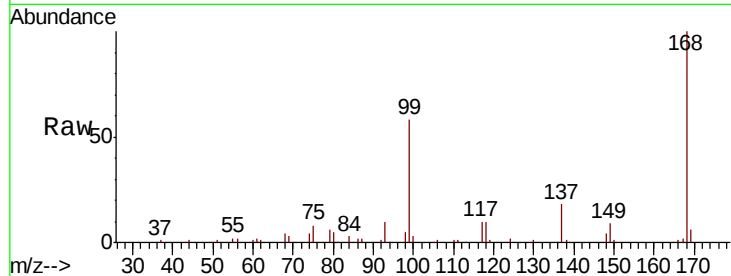
PB129582TB

Tot Ion:168 Resp: 134936

Ion Ratio Lower Upper

168 100

99 58.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

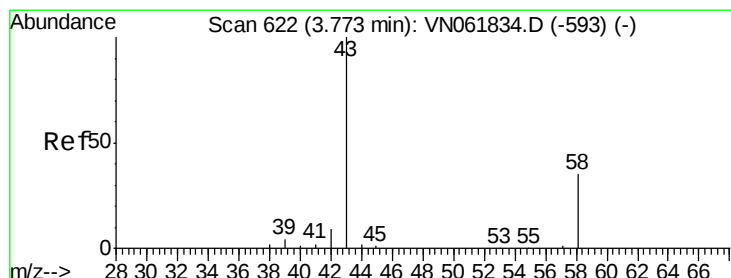
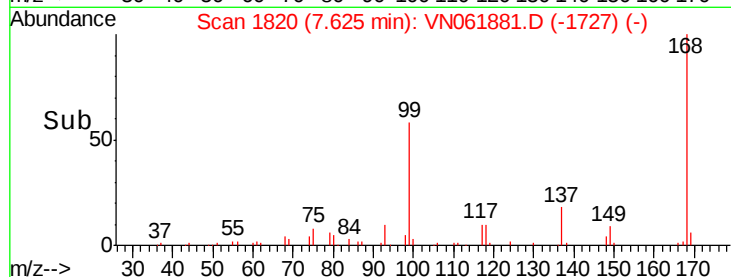
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 17.018 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061881.D

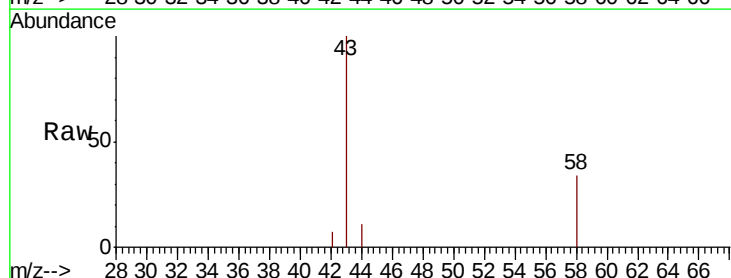
Acq: 18 Jun 2020 5:05

Tgt Ion: 43 Resp: 9097

Ion Ratio Lower Upper

43 100

58 33.9 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

4000

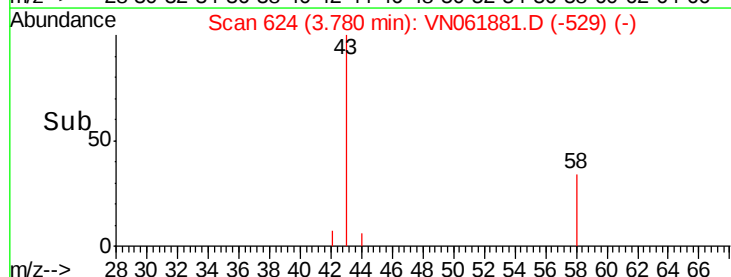
3000

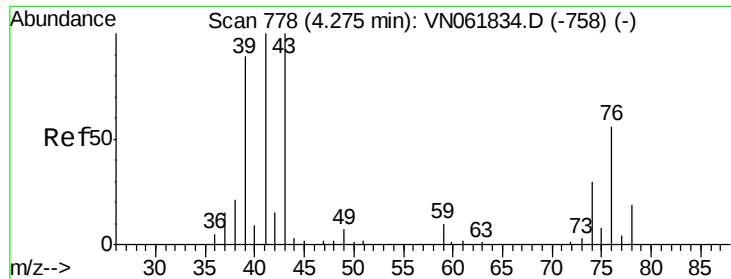
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

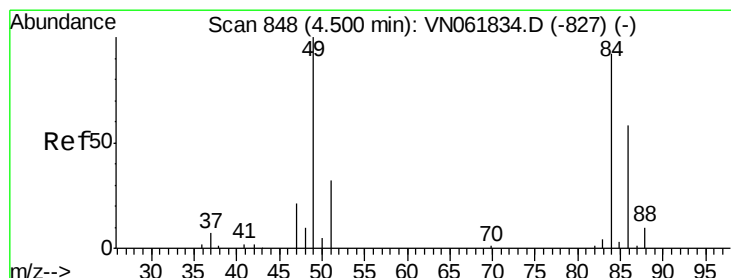
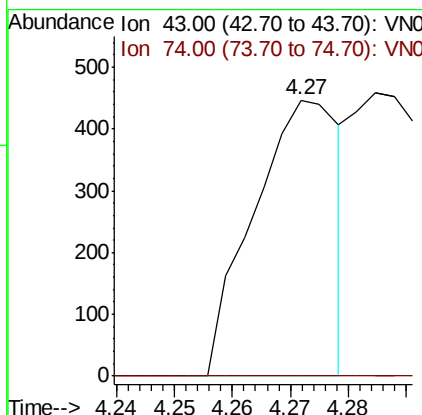
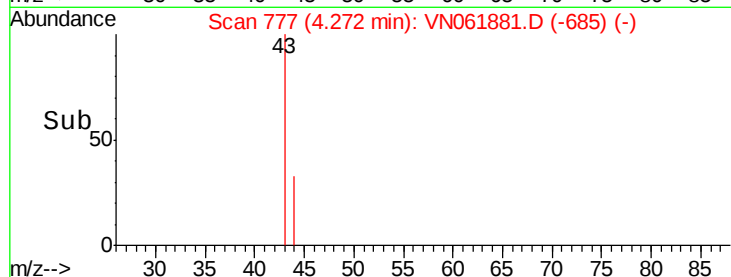
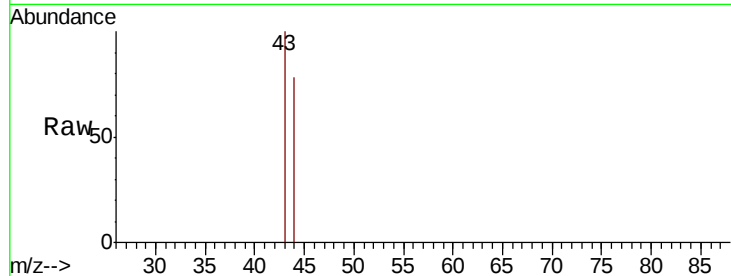




#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061881.D
Acq: 18 Jun 2020 5:05

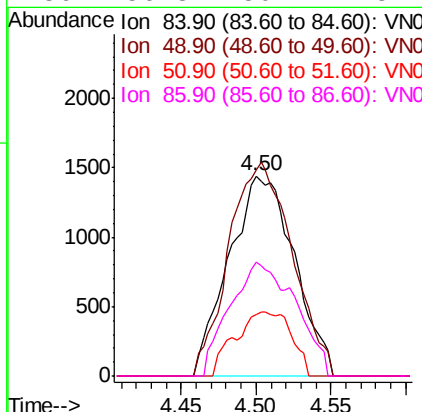
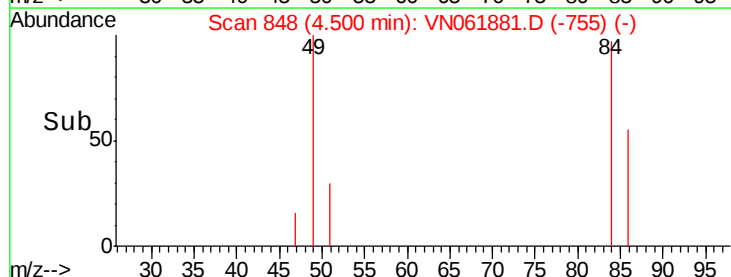
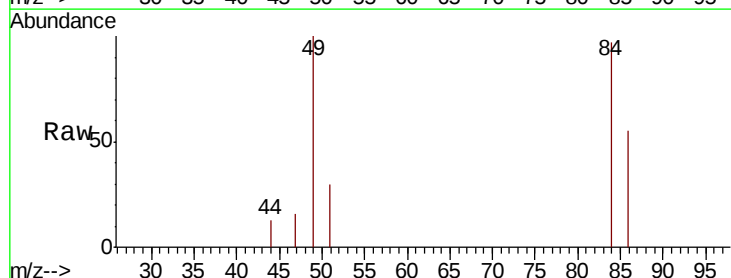
Instrument :
MSVOA_N
ClientSampled :
PB129582TB

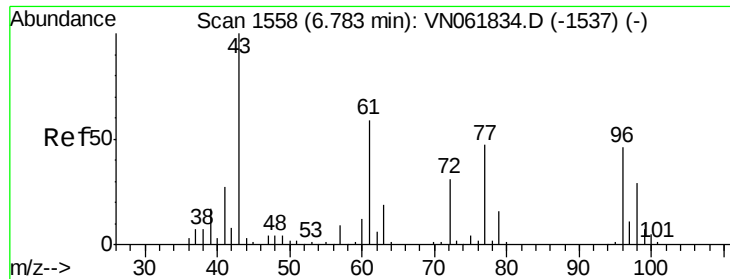
Tot Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#20
Methylene Chloride
Concen: 2.512 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061881.D
Acq: 18 Jun 2020 5:05

Tgt Ion: 84 Resp: 4375
Ion Ratio Lower Upper
84 100
49 103.1 87.0 130.4
51 30.9 27.8 41.6
86 56.8 50.2 75.2





#25

2-Butanone

Concen: 2.236 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.02 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

Instrument :

MSVOA_N

ClientSampleId :

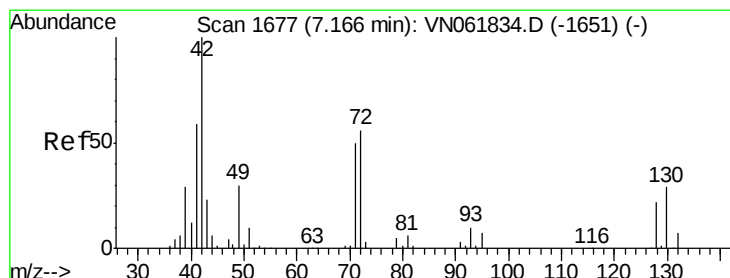
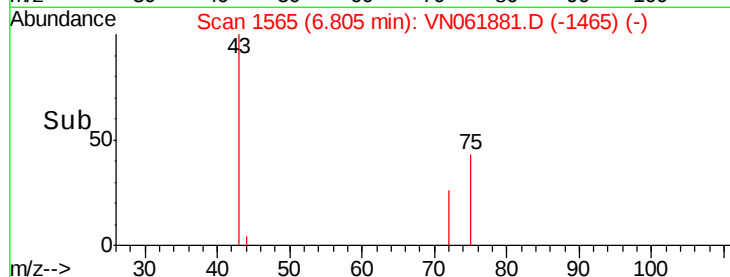
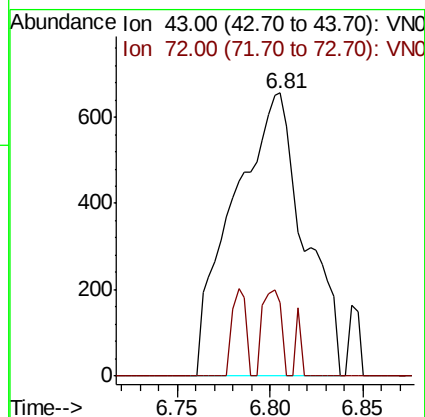
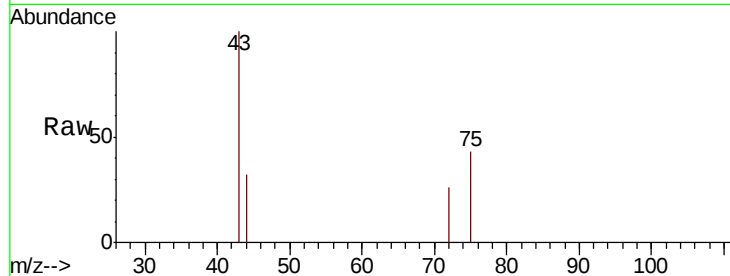
PB129582TB

Tot Ion: 43 Resp: 1744

Ion Ratio Lower Upper

43 100

72 25.9 24.6 37.0



#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

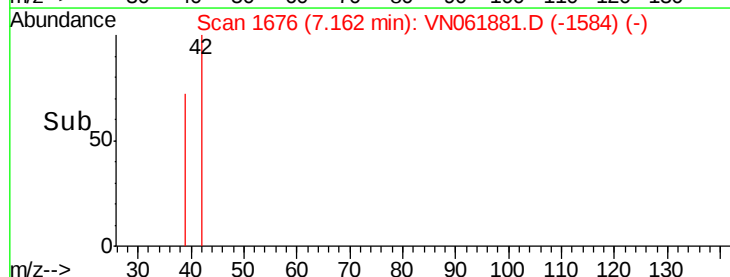
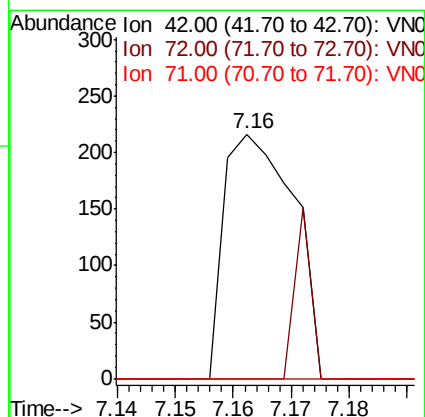
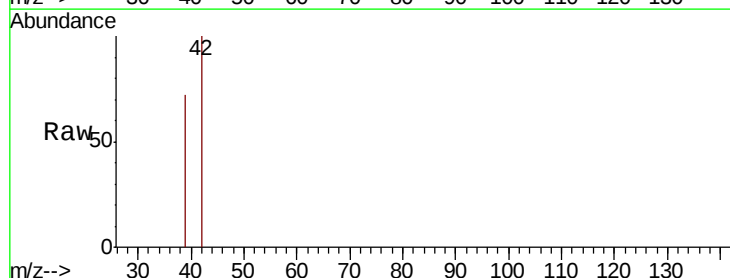
Tgt Ion: 42 Resp: 180

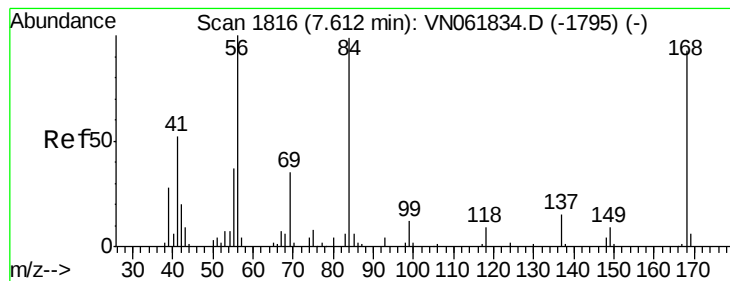
Ion Ratio Lower Upper

42 100

72 16.1 44.0 66.0#

71 0.0 40.0 60.0#





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

Instrument :

MSVOA_N

ClientSampleId :

PB129582TB

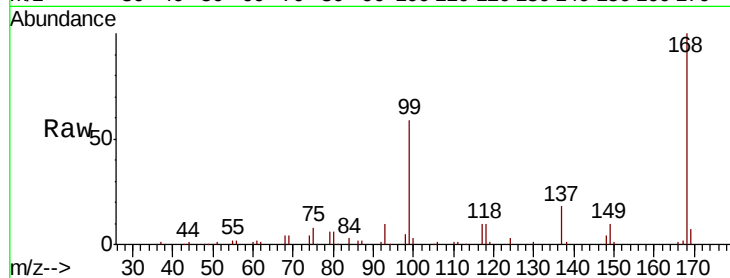
Tot Ion: 56 Resp: 2833

Ion Ratio Lower Upper

56 100

69 165.1 27.7 41.5#

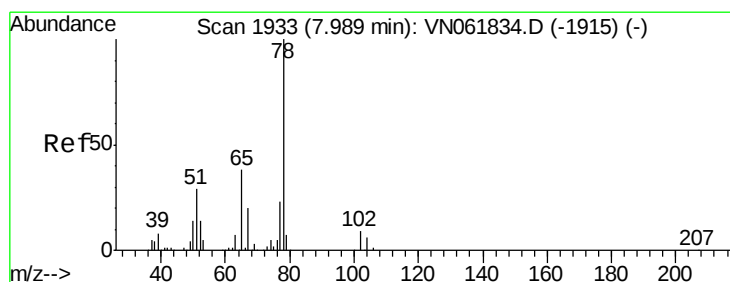
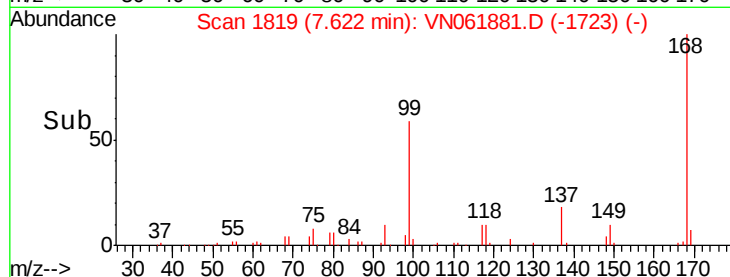
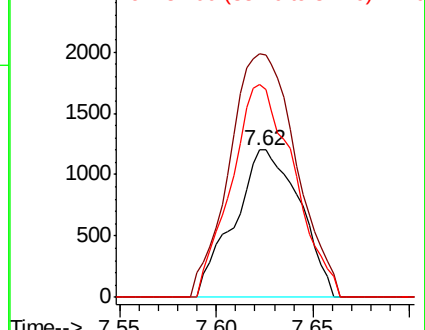
84 144.5 79.1 118.7#



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: 50.544 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061881.D

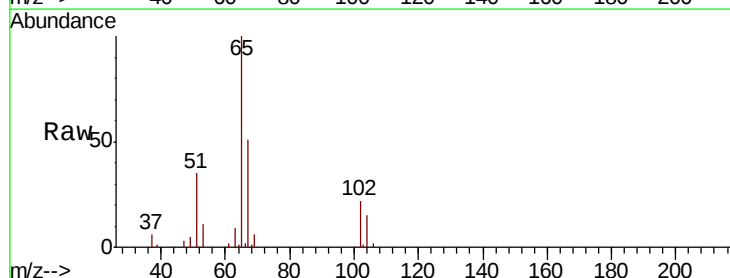
Acq: 18 Jun 2020 5:05

Tgt Ion: 65 Resp: 91469

Ion Ratio Lower Upper

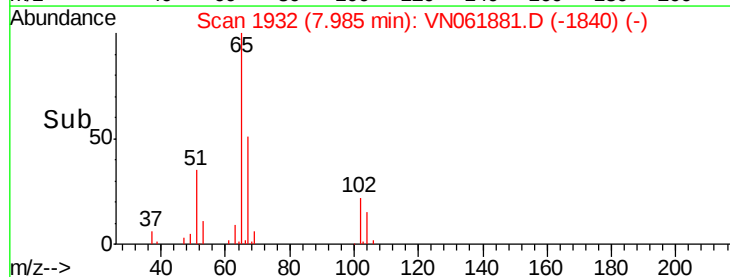
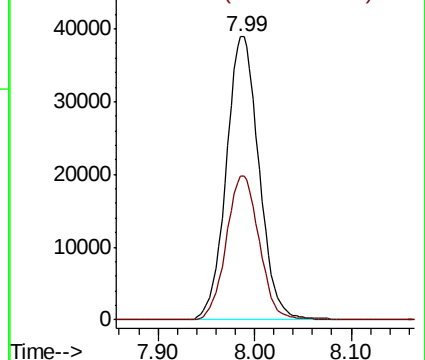
65 100

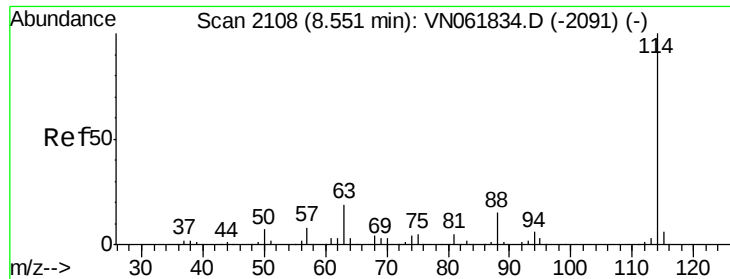
67 51.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

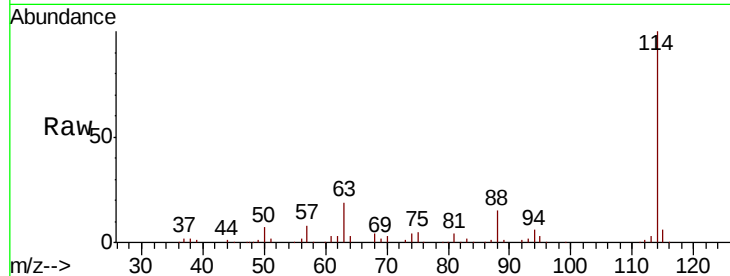




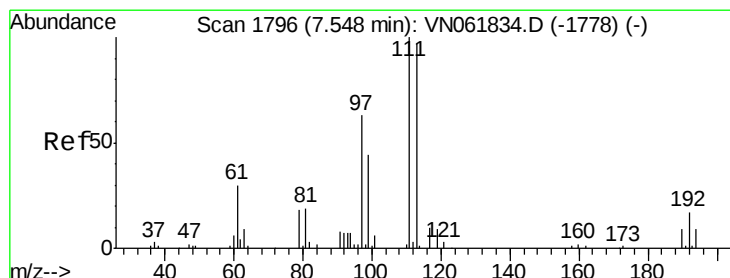
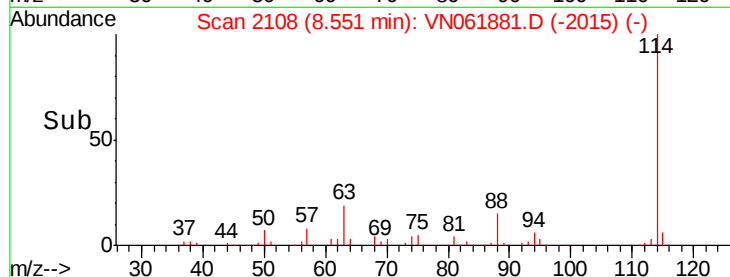
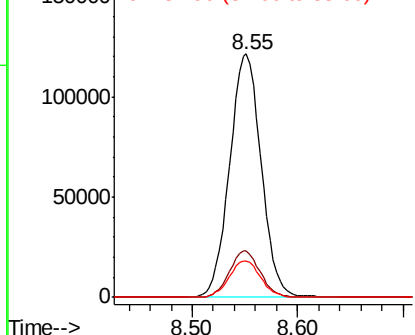
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582TB

Tot Ion:114 Resp: 251654
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.6
 88 15.1 0.0 31.0

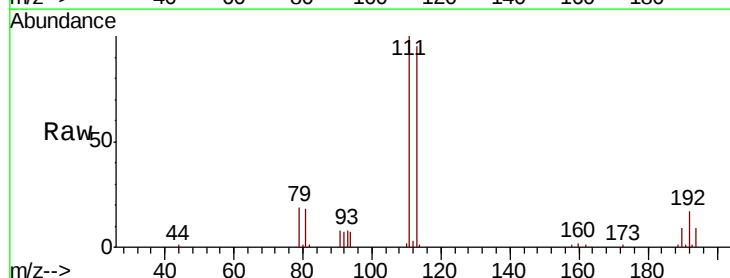


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

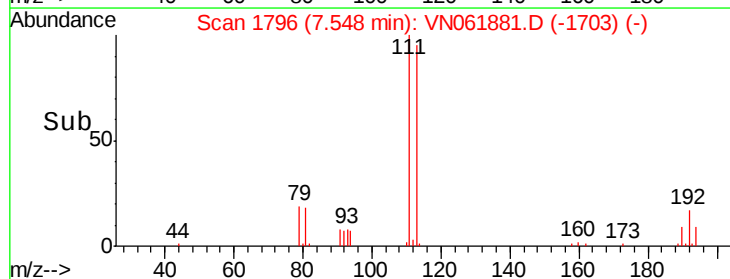
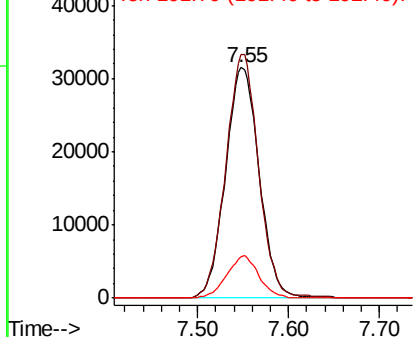


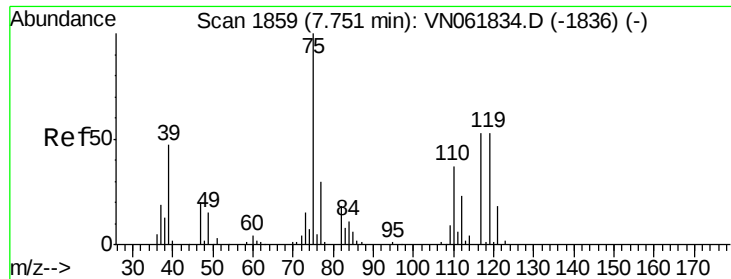
#35
 Dibromofluoromethane
 Concen: 50.374 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Tgt Ion:113 Resp: 81099
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.7 125.5
 192 17.5 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

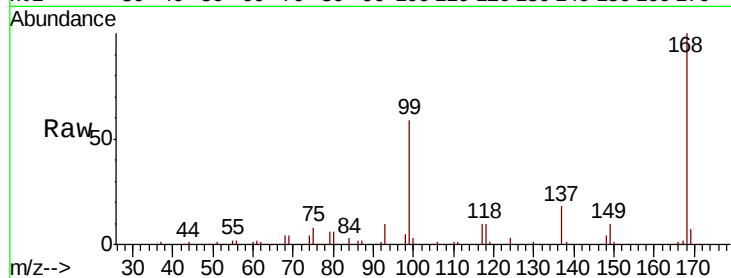




#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582TB

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.2	54.6#
77	0.0	24.2	36.4#

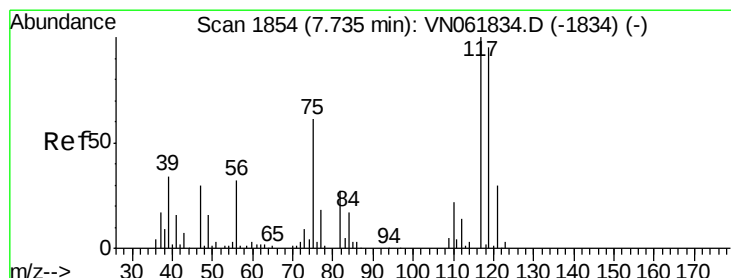
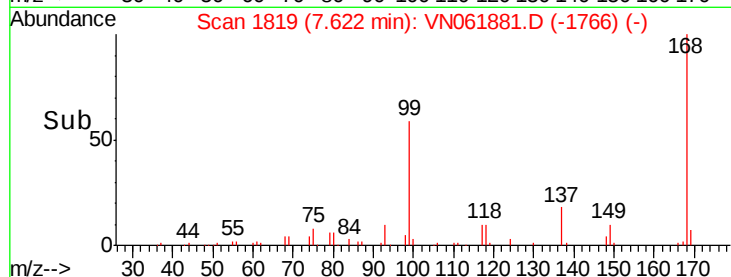
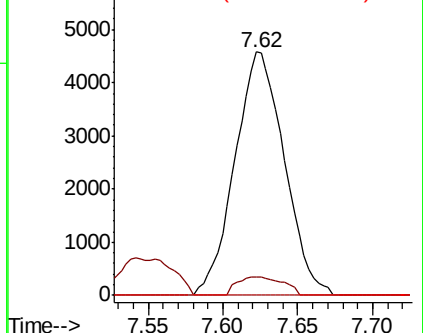


Abundance

Ion 74.90 (74.60 to 75.60): VN061881.D (-1766) (-)

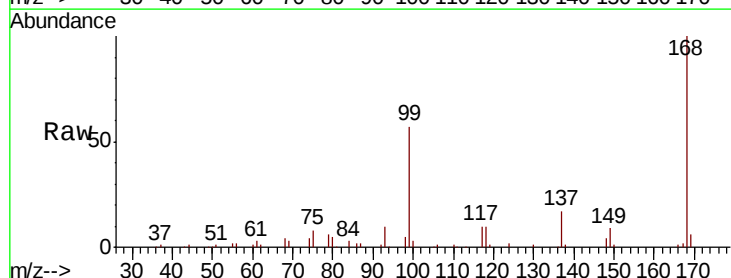
Ion 109.90 (109.60 to 110.60): VN061881.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN061881.D (-1766) (-)



#38
 Carbon Tetrachloride
 Concen: 5.985 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.0	23.8	35.6#

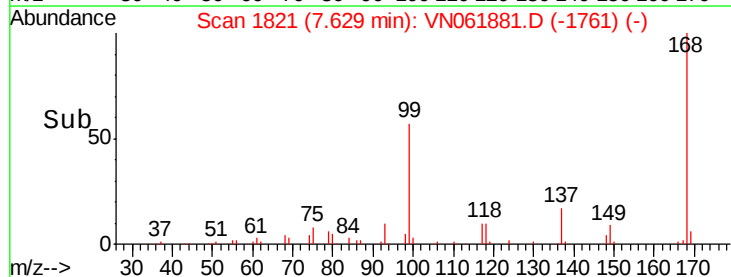
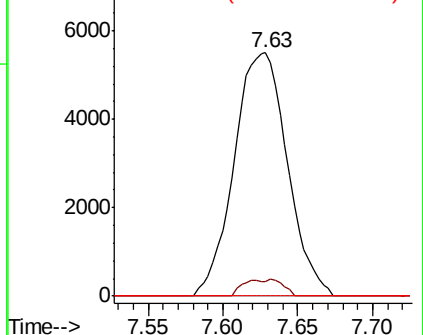


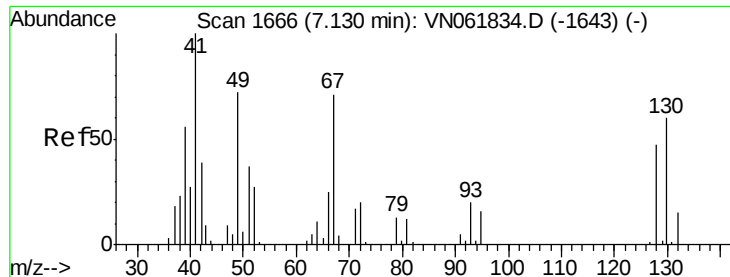
Abundance

Ion 116.80 (116.50 to 117.50): VN061881.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN061881.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061881.D (-1761) (-)

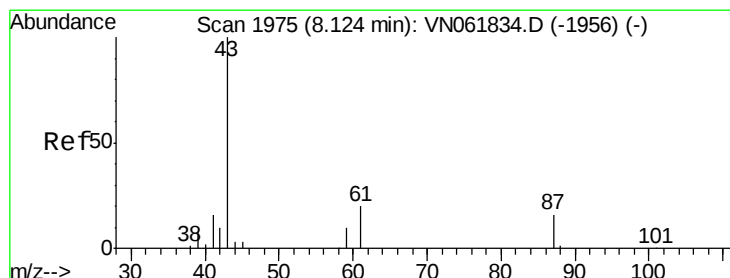
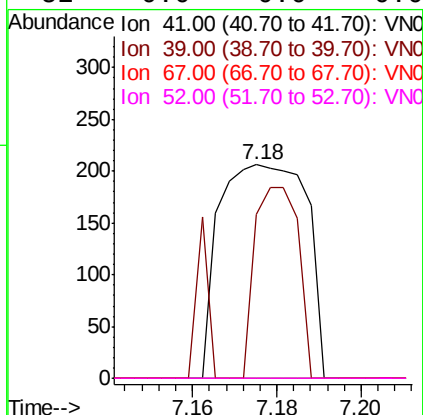
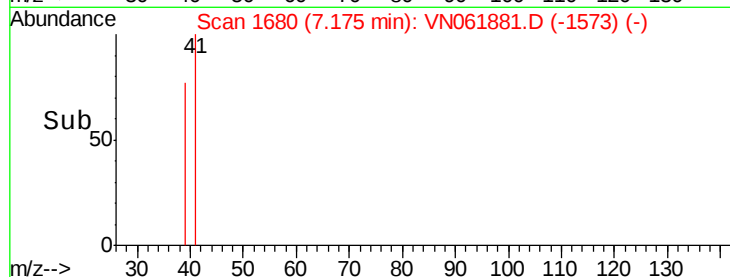
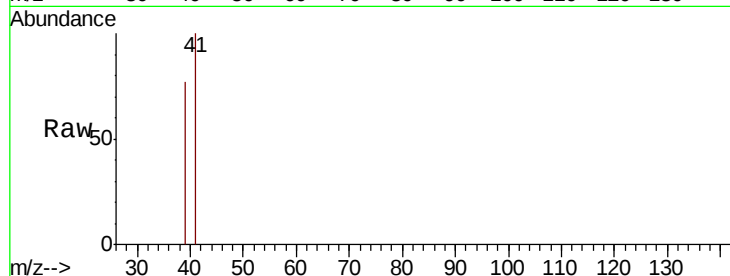




#41
Methacrylonitrile
Concen: 0.384 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.05 min
Lab File: VN061881.D
Acq: 18 Jun 2020 5:05

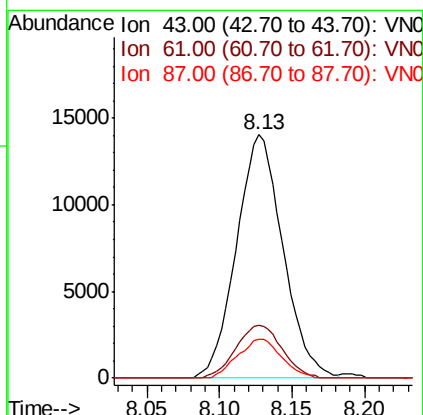
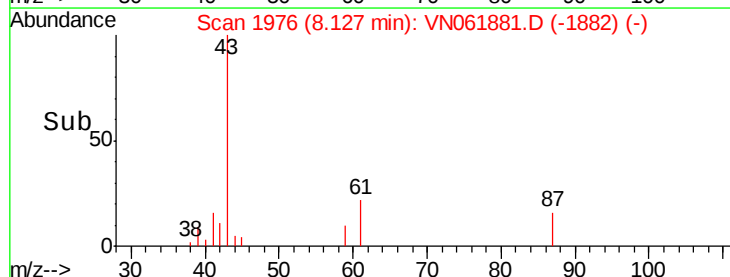
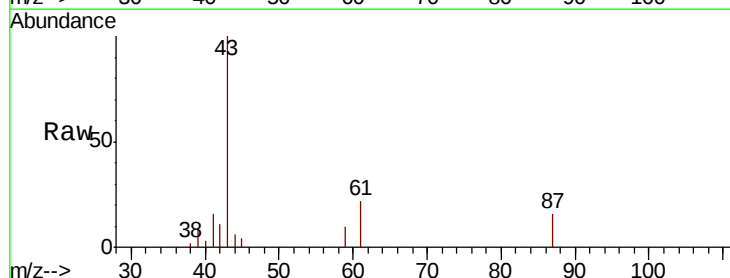
Instrument :
MSVOA_N
ClientSampled :
PB129582TB

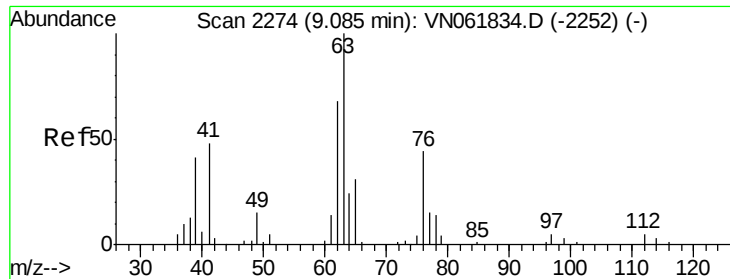
Tot Ion:	41	Resp:	294
Ion	Ratio	Lower	Upper
41	100		
39	44.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.337 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061881.D
Acq: 18 Jun 2020 5:05

Tgt Ion:	43	Resp:	31226
Ion	Ratio	Lower	Upper
43	100		
61	21.6	24.0	36.0#
87	15.1	12.5	18.7

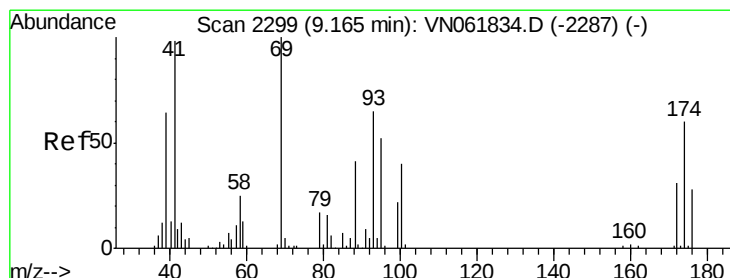
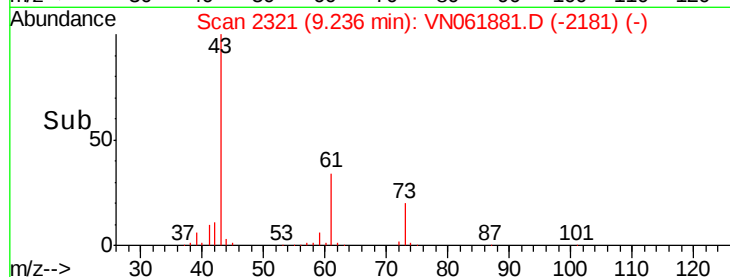
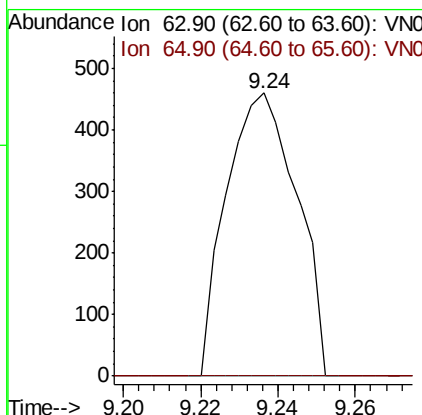
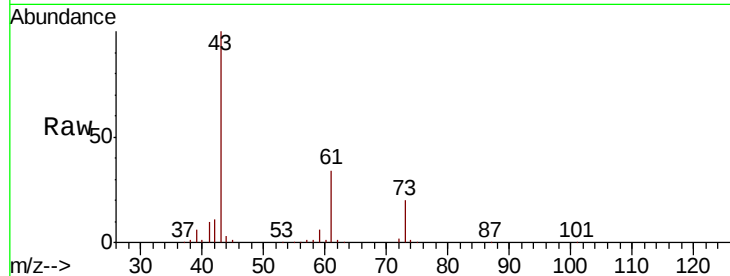




#45
 1,2-Dichloropropane
 Concen: 0.341 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

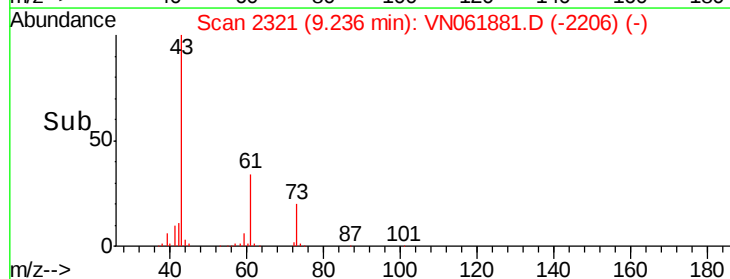
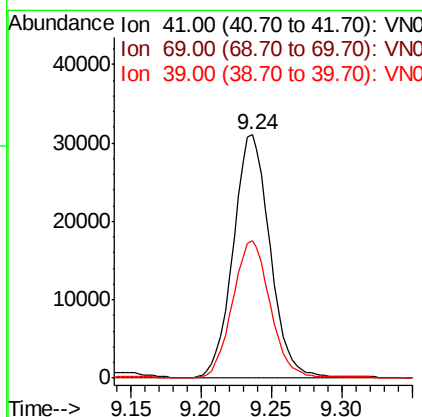
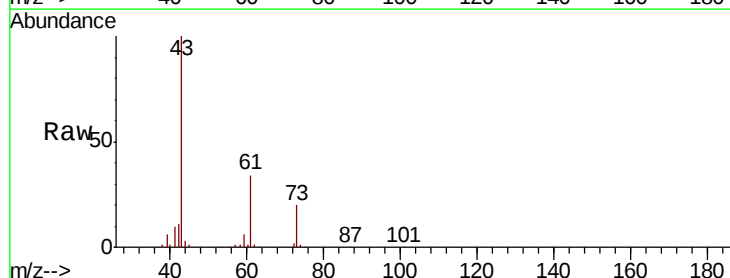
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582TB

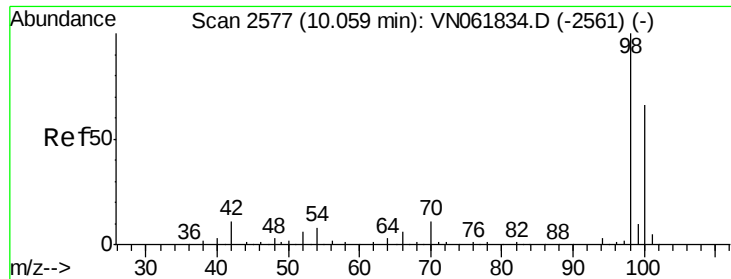
Tot Ion: 63 Resp: 583
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 41.381 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Tgt Ion: 41 Resp: 56845
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.0 124.4#
 39 58.1 55.1 82.7





#50

Toluene-d8

Concen: 51.148 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

Instrument :

MSVOA_N

ClientSampleId :

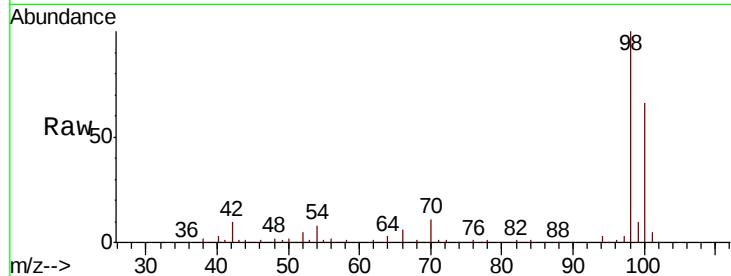
PB129582TB

Tot Ion: 98 Resp: 323737

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

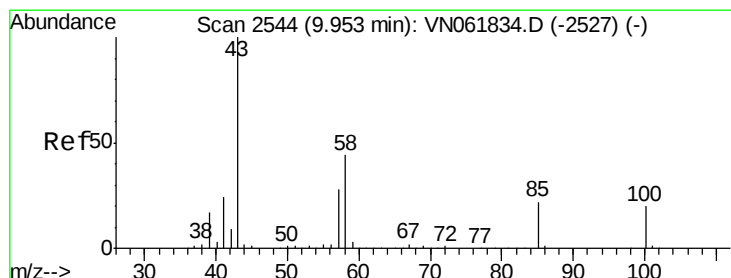
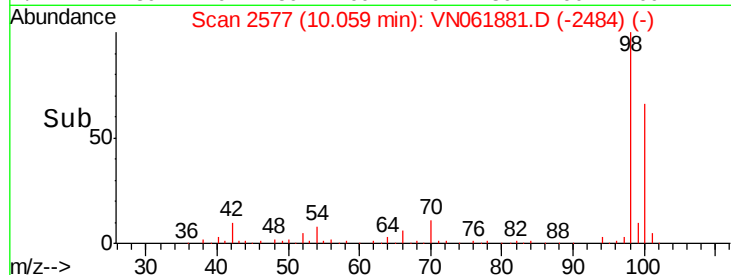
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.189 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061881.D

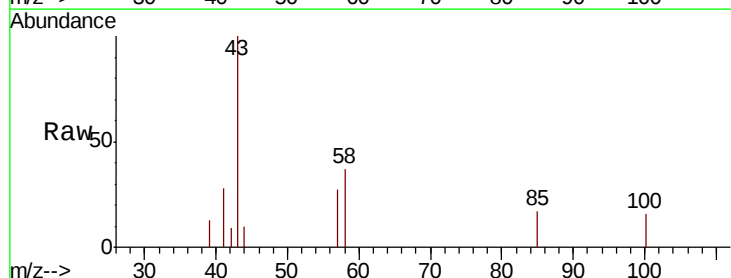
Acq: 18 Jun 2020 5:05

Tgt Ion: 43 Resp: 5693

Ion Ratio Lower Upper

43 100

58 28.1 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

20000

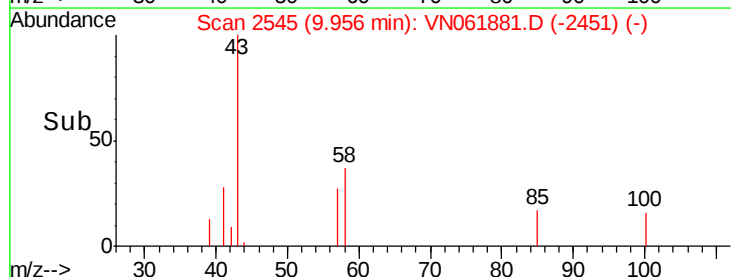
15000

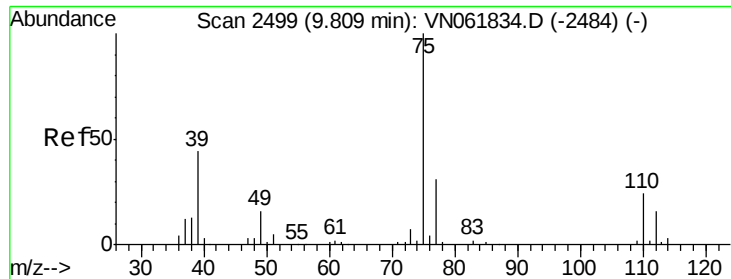
10000

5000

0

Time-->



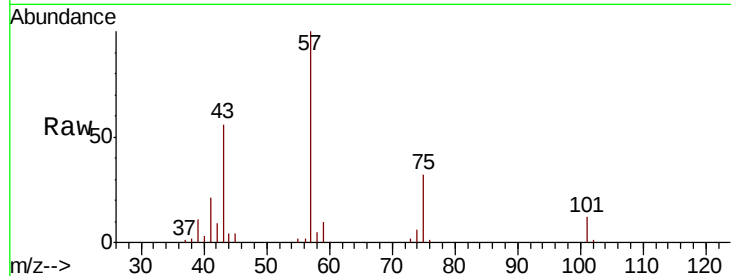


#54

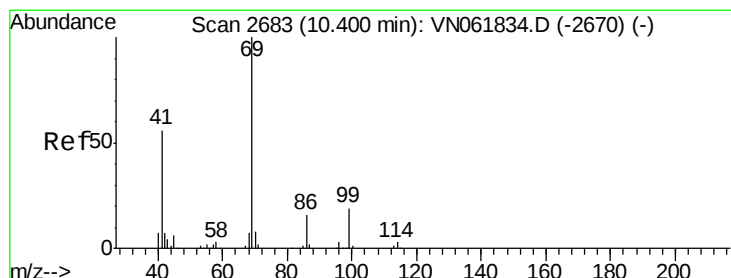
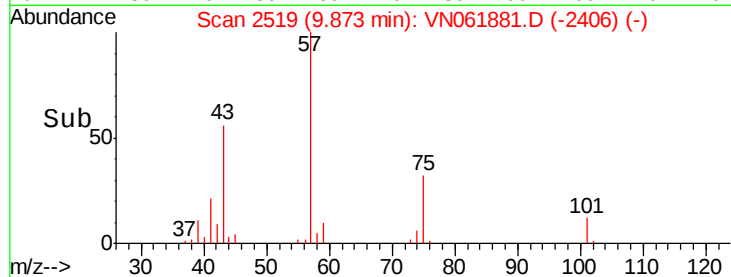
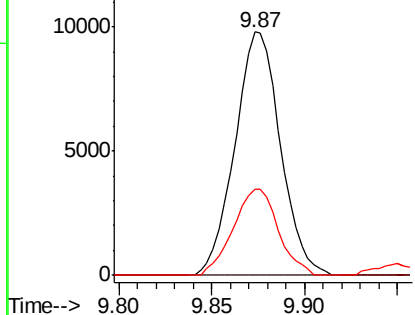
cis-1,3-Dichloropropene
 Concen: 5.864 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Instrument :
 MSVOA_N
 ClientSampled :
 PB129582TB

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.8	37.2#
39	35.3	35.4	53.0#



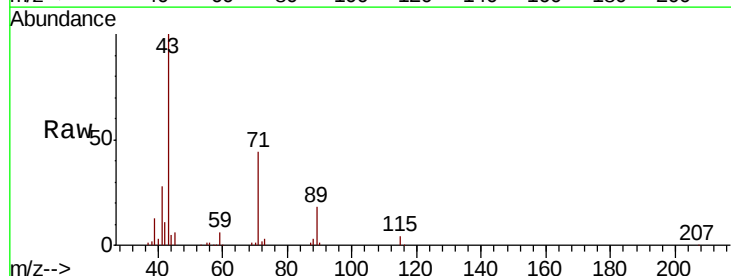
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



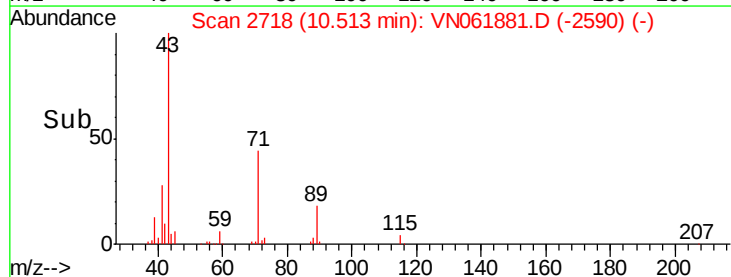
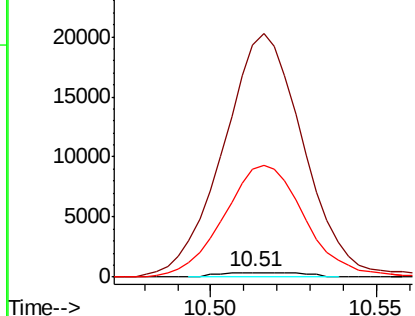
#56

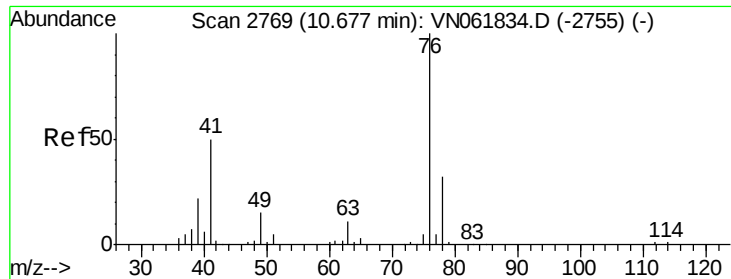
Ethyl methacrylate
 Concen: 3.143 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	5133.1	44.9	67.3#
39	2359.0	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

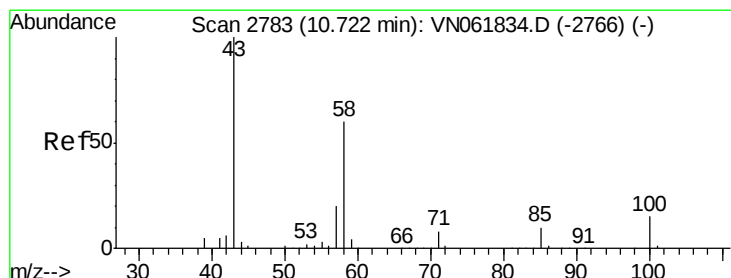
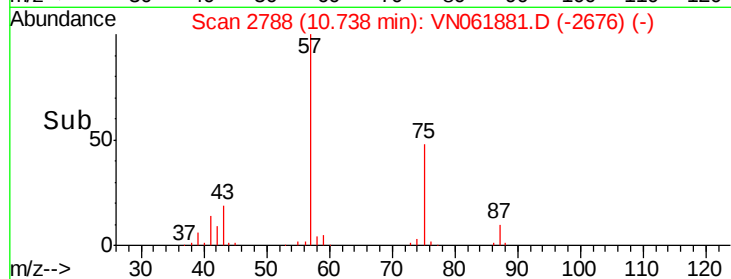
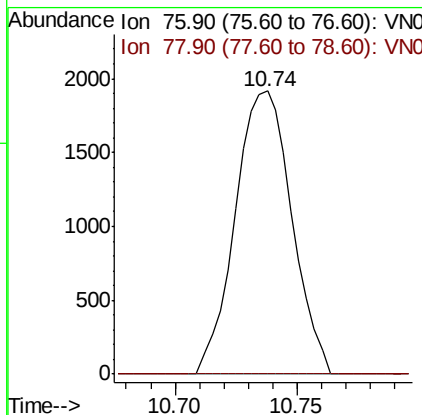
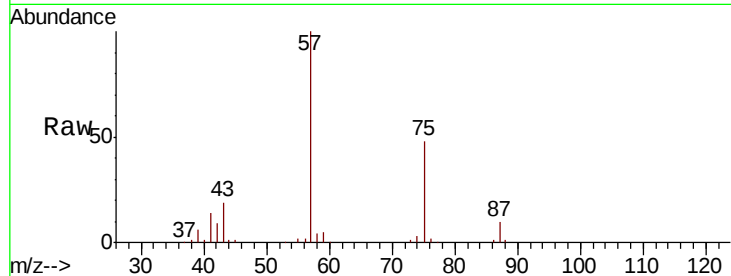




#57
 1,3-Dichloropropane
 Concen: 1.056 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

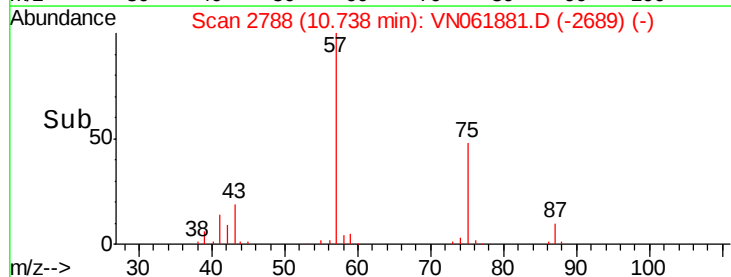
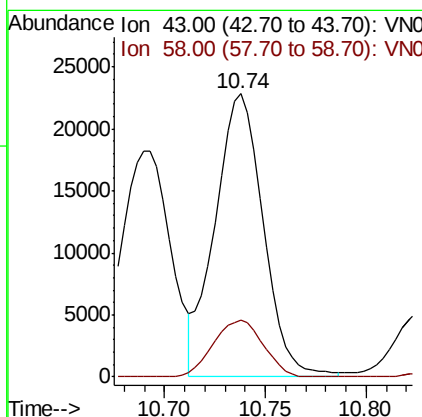
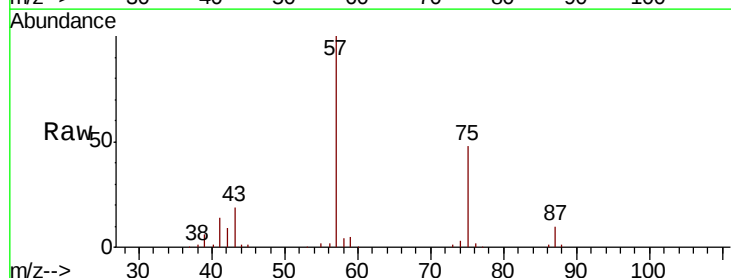
Instrument :
 MSVOA_N
 ClientSampled :
 PB129582TB

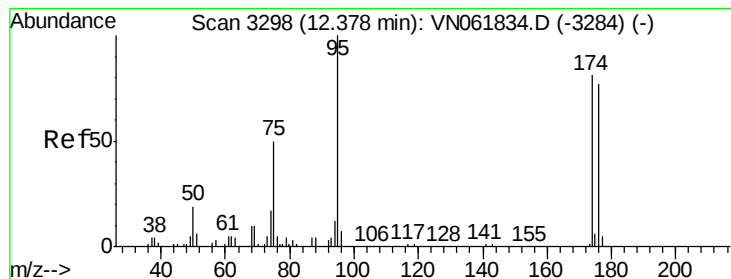
Tot Ion: 76 Resp: 3073
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 38.743 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Tgt Ion: 43 Resp: 38179
 Ion Ratio Lower Upper
 43 100
 58 20.6 30.1 90.5#





#62

4-Bromofluorobenzene

Concen: 50.665 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

Instrument :

MSVOA_N

ClientSampled :

PB129582TB

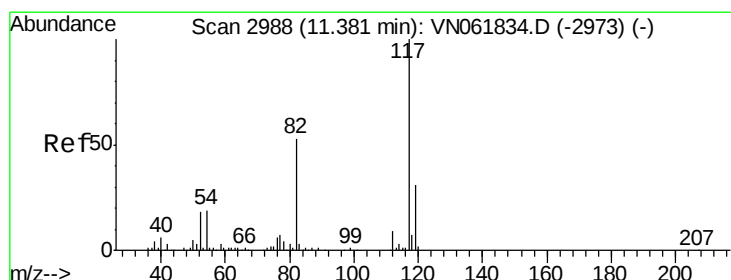
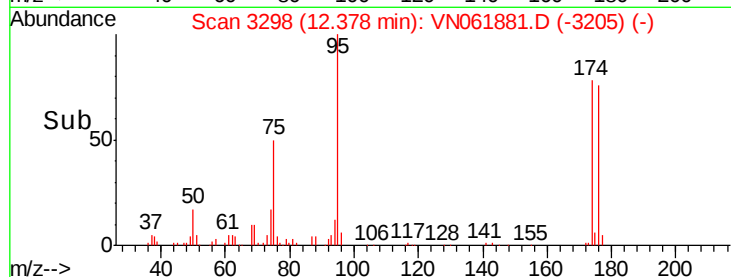
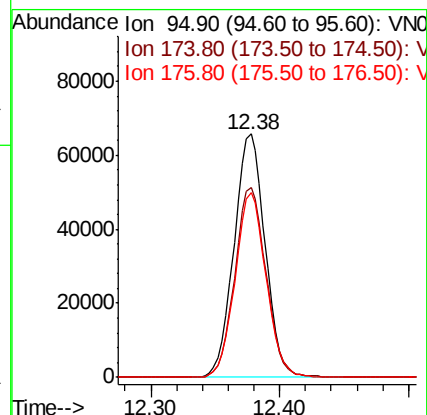
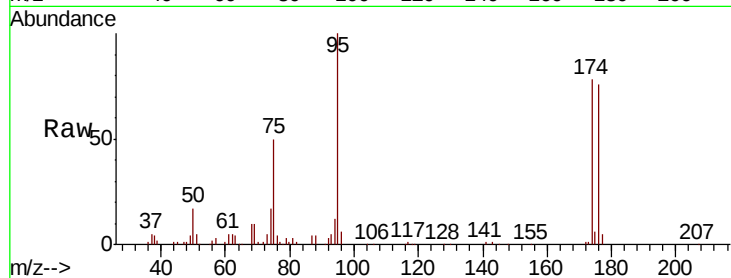
Tot Ion: 95 Resp: 109997

Ion Ratio Lower Upper

95 100

174 78.4 0.0 158.6

176 75.5 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: VN061881.D

Acq: 18 Jun 2020 5:05

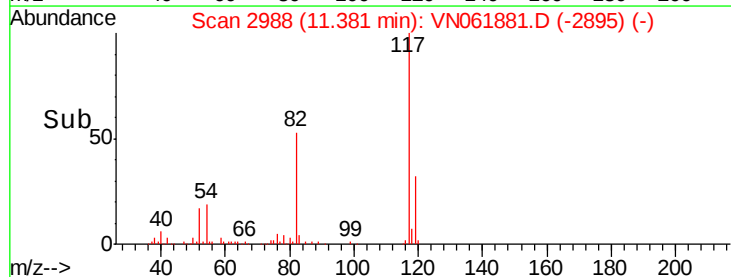
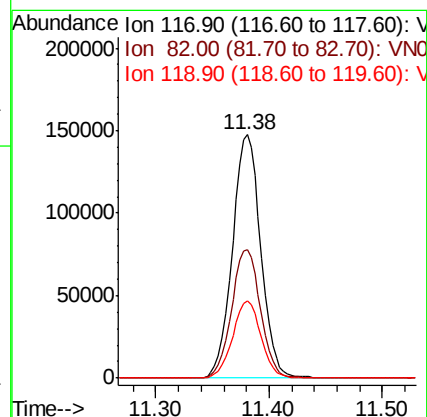
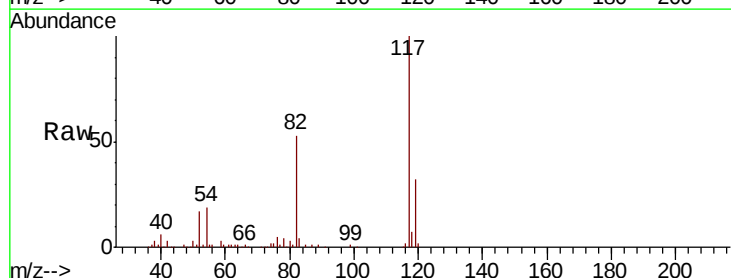
Tgt Ion: 117 Resp: 257134

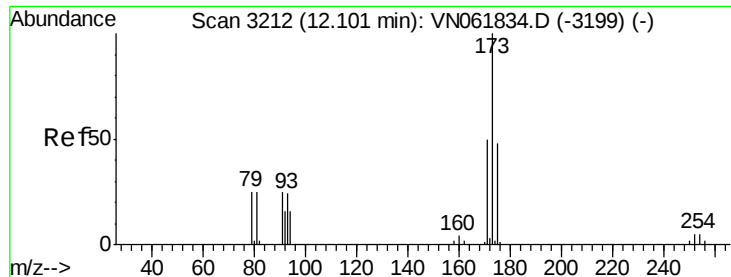
Ion Ratio Lower Upper

117 100

82 52.7 42.6 64.0

119 31.7 24.7 37.1





#71

Bromoform

Concen: 0.675 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

Instrument :

MSVOA_N

ClientSampleId :

PB129582TB

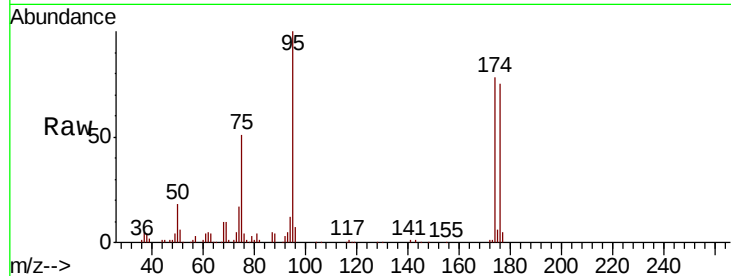
Tot Ion:173 Resp: 932

Ion Ratio Lower Upper

173 100

175 583.4 23.9 71.7#

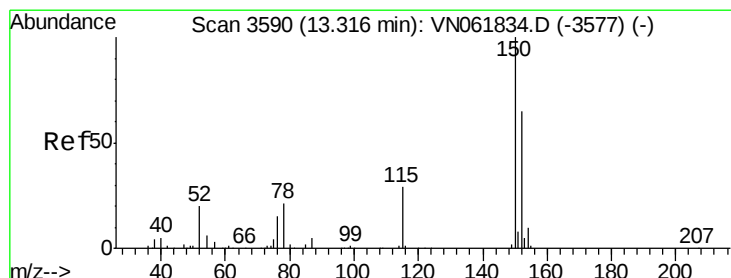
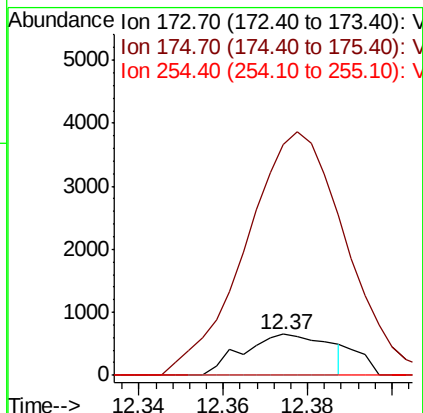
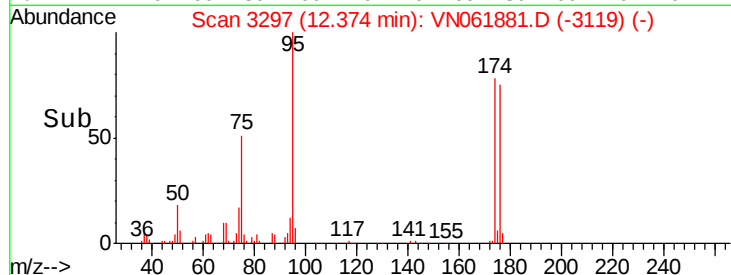
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

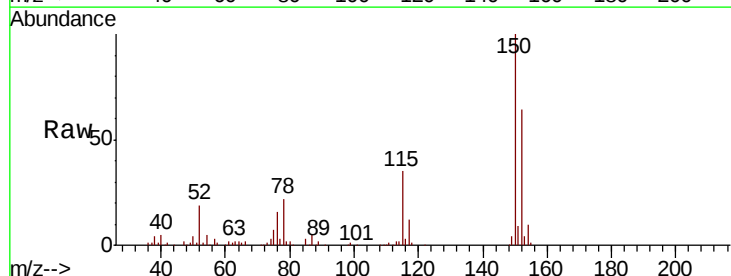
Tgt Ion:152 Resp: 99462

Ion Ratio Lower Upper

152 100

115 57.6 29.1 87.3

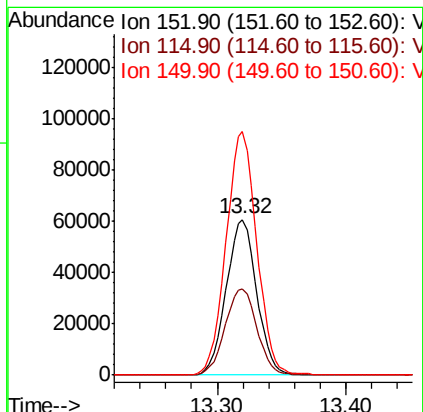
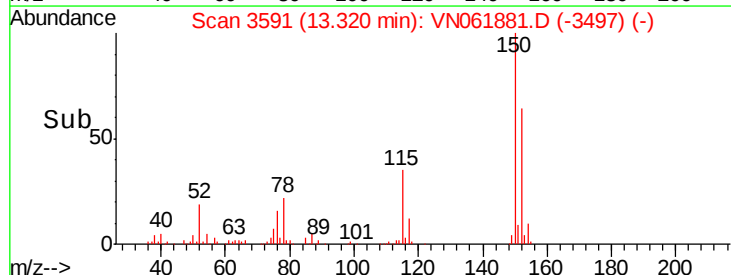
150 158.0 0.0 347.6

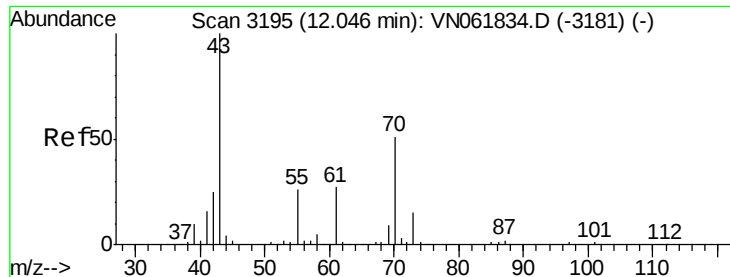


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.772 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN061881.D

Acq: 18 Jun 2020 5:05

Instrument :

MSVOA_N

ClientSampleId :

PB129582TB

Tot Ion: 43 Resp: 1931

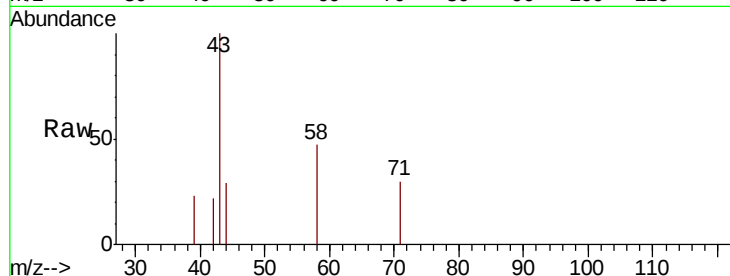
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

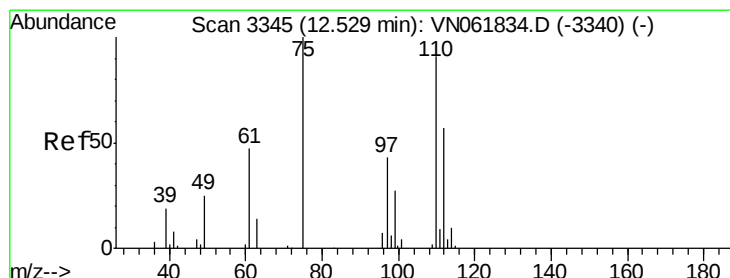
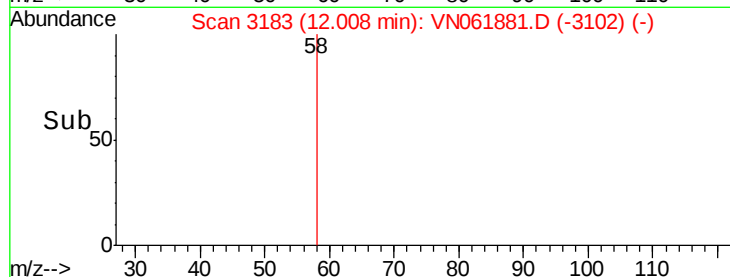
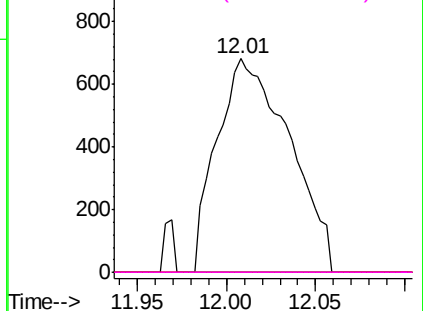


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.950 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061881.D

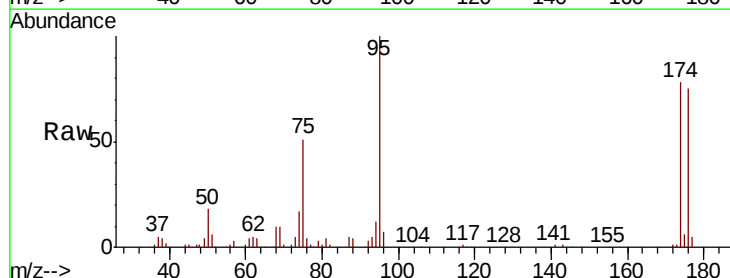
Acq: 18 Jun 2020 5:05

Tgt Ion: 75 Resp: 54577

Ion Ratio Lower Upper

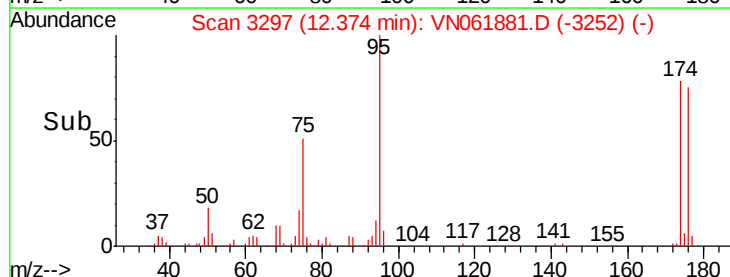
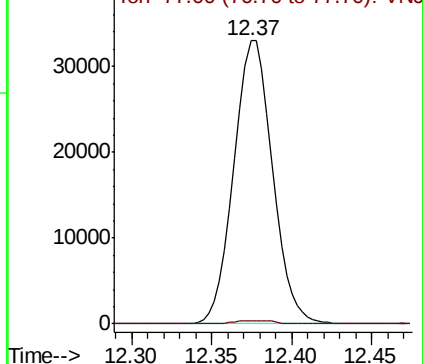
75 100

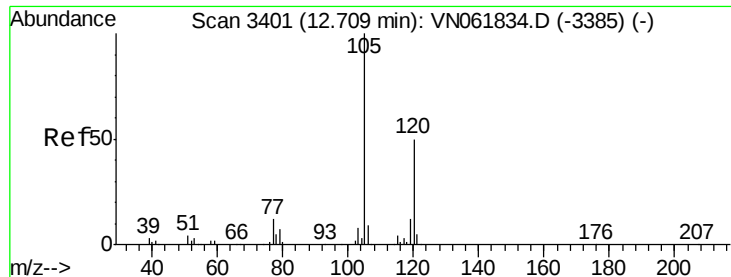
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

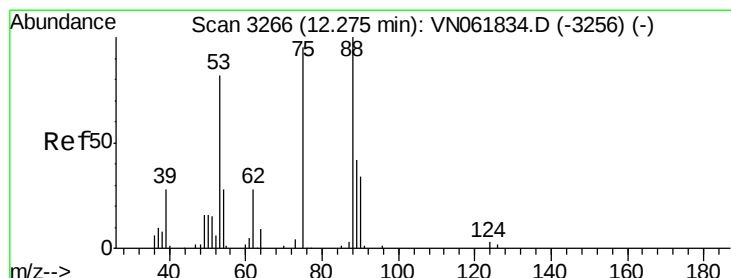
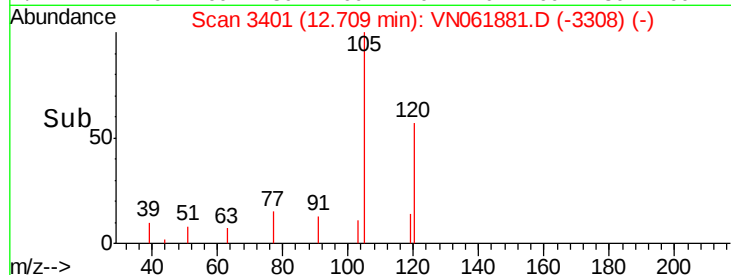
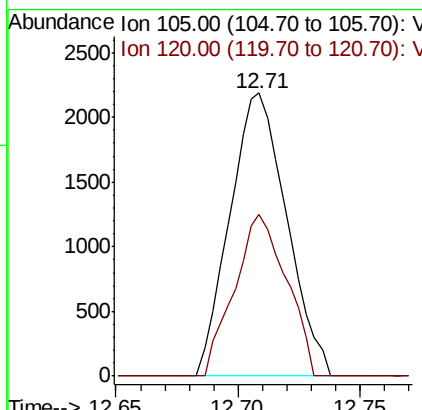
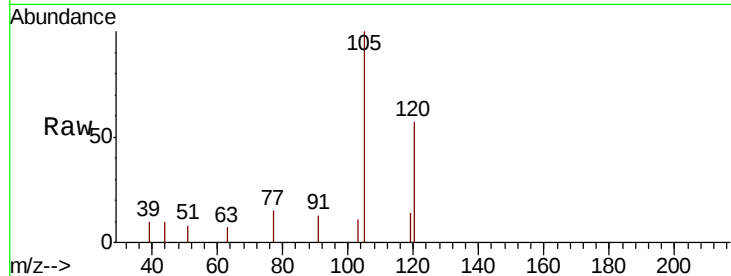




#80
 1,3,5-Trimethylbenzene
 Concen: 0.604 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129582TB

Tot Ion:105 Resp: 3530
 Ion Ratio Lower Upper
 105 100
 120 52.5 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.231 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061881.D
 Acq: 18 Jun 2020 5:05

Tgt Ion: 75 Resp: 54577
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

