

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050386.D
 Acq On : 6 Aug 2018 16:15
 Operator : MD\SY
 Sample : PB11760ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#01

Quant Time: Aug 07 05:48:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	709994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1134689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	965555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	354396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	477987	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.59	113	431970	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.09	98	1538406	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
62) 4-Bromofluorobenzene	12.40	95	431969	37.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.04%	

Target Compounds

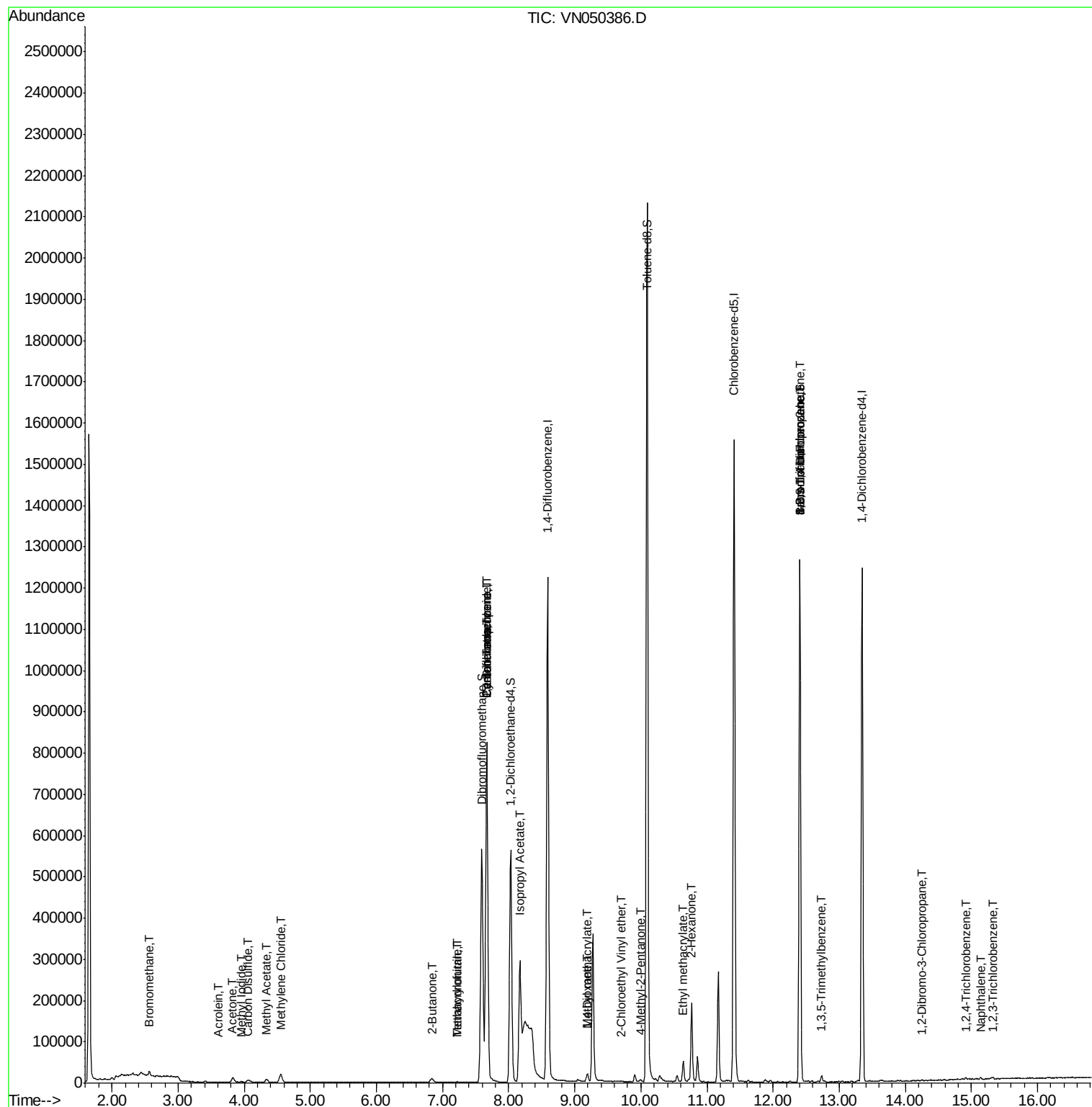
						Qvalue
3) Chloromethane	2.06	50	5163	Below Cal		98
5) Bromomethane	2.57	94	6035	1.39 ug/l		97
10) Methyl Iodide	3.95	142	2872	0.80 ug/l #		88
13) Acrolein	3.60	56	461	15.47 ug/l		98
16) Acetone	3.82	43	19507	6.54 ug/l		95
17) Carbon Disulfide	4.05	76	7469	0.30 ug/l #		87
18) Methyl Acetate	4.34	43	13655	1.67 ug/l		97
20) Methylene Chloride	4.55	84	15680	0.27 ug/l		92
25) 2-Butanone	6.85	43	4433	0.94 ug/l		99
29) Tetrahydrofuran	7.22	42	774	0.31 ug/l #		65
31) Cyclohexane	7.67	56	12821	0.32 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	49131	3.94 ug/l #		43
38) Carbon Tetrachloride	7.67	117	64188	4.94 ug/l #		16
41) Methacrylonitrile	7.23	41	1100	0.23 ug/l #		20
43) Isopropyl Acetate	8.17	43	377597	24.36 ug/l		97
48) Methyl methacrylate	9.18	41	11371	1.46 ug/l #		22
49) 1,4-Dioxane	9.18	88	32	0.27 ug/l #		1
51) 4-Methyl-2-Pentanone	9.99	43	3550	0.32 ug/l		96
56) Ethyl methacrylate	10.64	69	632	1.76 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.70	63	65	7.40 ug/l #		48
59) 2-Hexanone	10.77	43	27493	3.53 ug/l #		59
71) Bromoform	12.40	173	2022	0.31 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	207826	32.40 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	7286	0.34 ug/l		97
81) trans-1,4-Dichloro-2-buten	12.40	75	207826	113.83 ug/l #		13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	407	0.31 ug/l #		1
93) 1,2,4-Trichlorobenzene	14.92	180	1408	0.22 ug/l		96
94) Hexachlorobutadiene	15.01	225	500	Below Cal #		70
95) Naphthalene	15.14	128	3963	3.83 ug/l #		85
96) 1,2,3-Trichlorobenzene	15.32	180	1633	0.25 ug/l		90

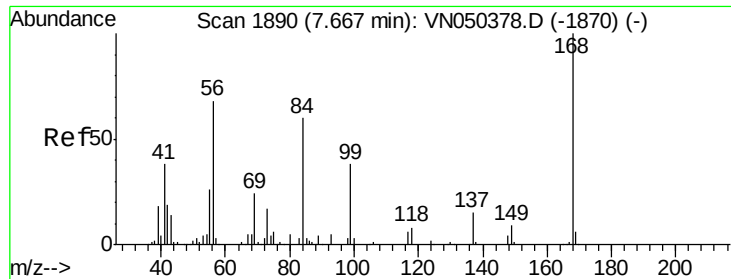
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

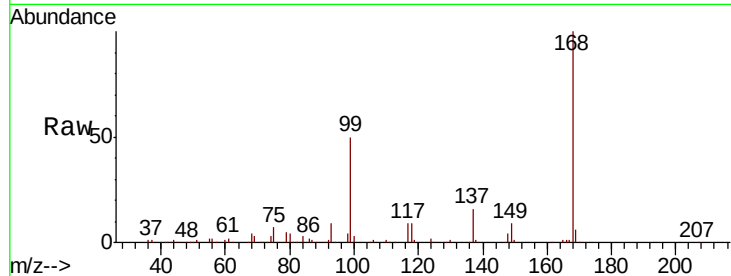
PB11760ZHE#01

Tot Ion:168 Resp: 709994

Ion Ratio Lower Upper

168 100

99 50.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

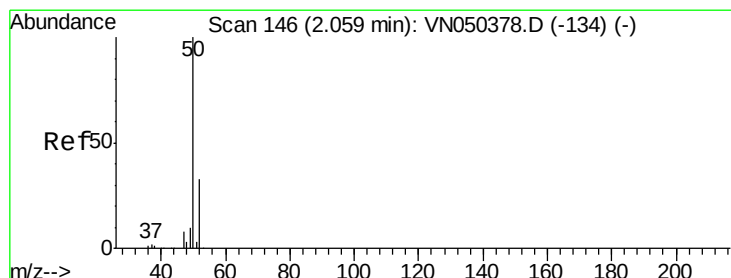
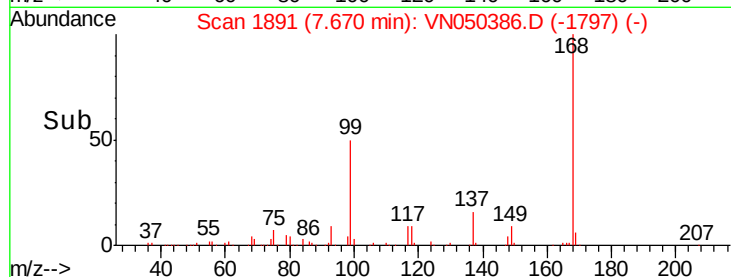
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050386.D

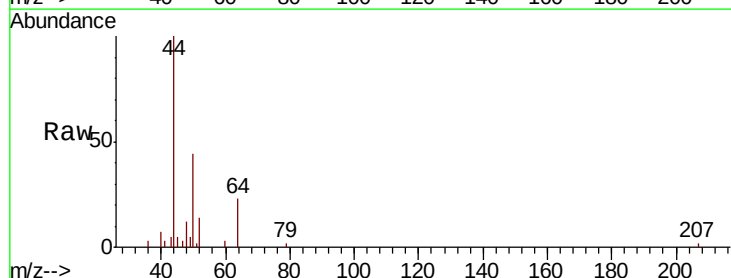
Acq: 6 Aug 2018 16:15

Tgt Ion: 50 Resp: 5163

Ion Ratio Lower Upper

50 100

52 31.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

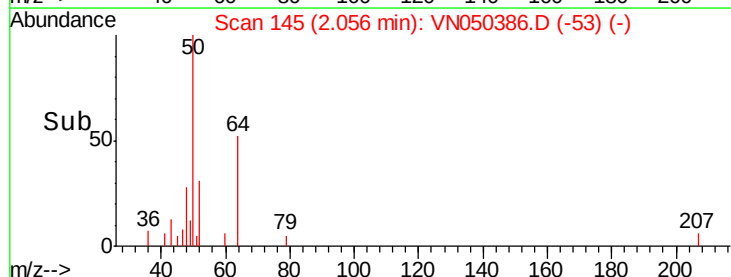
3000

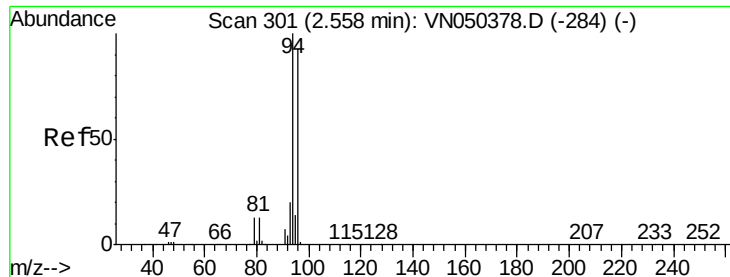
2000

1000

0

Time--> 2.00 2.05 2.10





#5

Bromomethane

Concen: 1.39 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

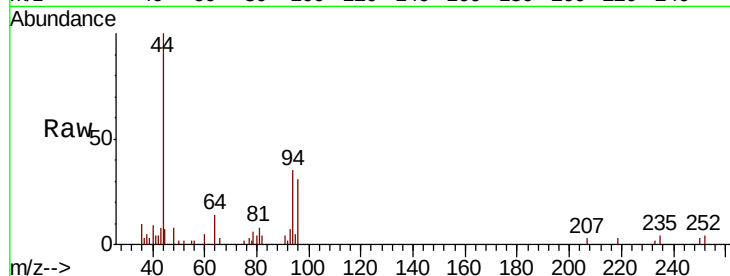
PB11760ZHE#01

Tot Ion: 94 Resp: 6035

Ion Ratio Lower Upper

94 100

96 90.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2.57

3000

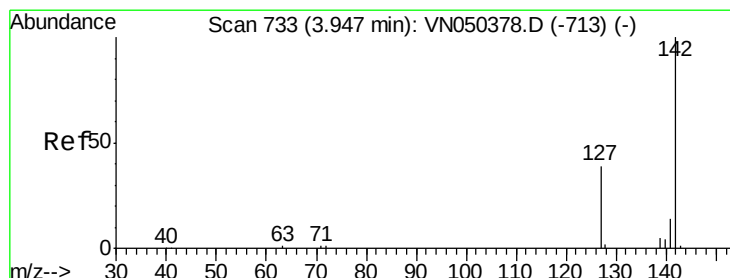
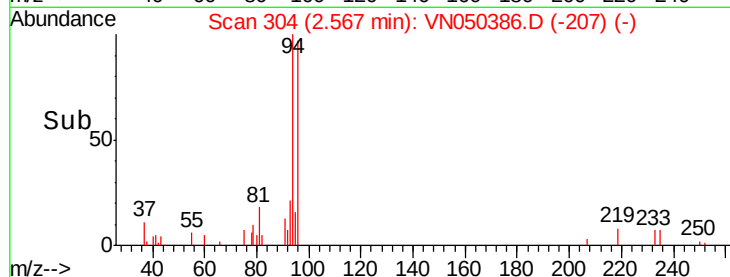
2000

1000

0

2.50 2.55 2.60

Time-->



#10

Methyl Iodide

Concen: 0.80 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

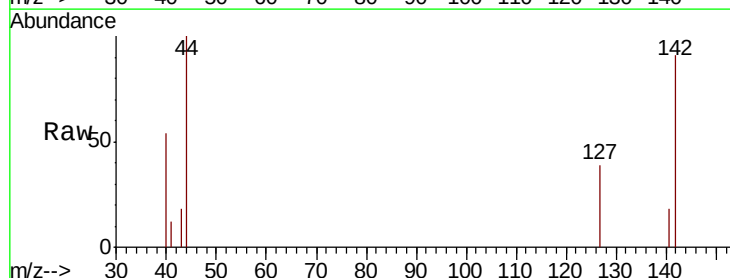
Tgt Ion: 142 Resp: 2872

Ion Ratio Lower Upper

142 100

127 35.3 33.4 50.2

141 7.6 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

3.95

1500

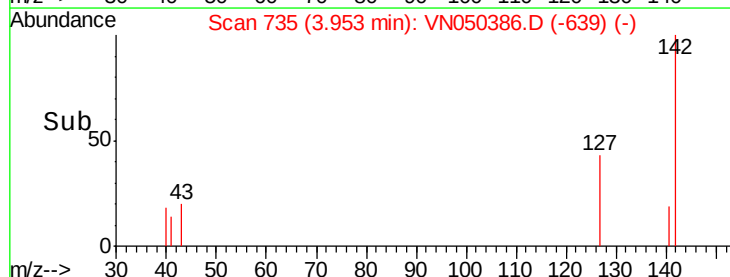
1000

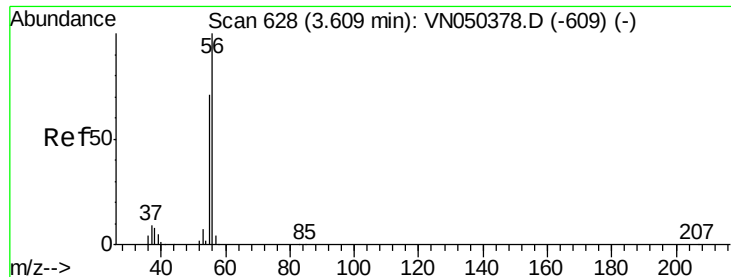
500

0

3.90 3.95 4.00

Time-->





#13

Acrolein

Concen: 15.47 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

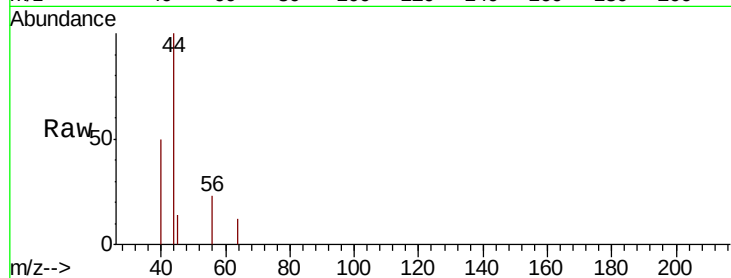
PB11760ZHE#01

Tot Ion: 56 Resp: 461

Ion Ratio Lower Upper

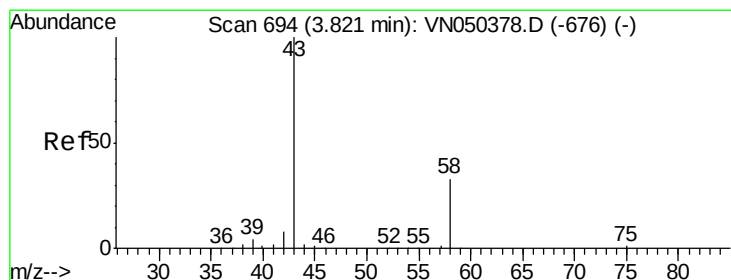
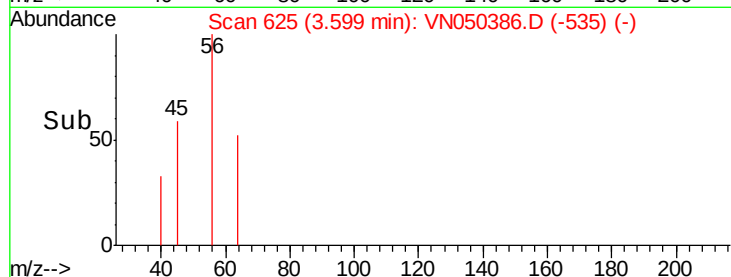
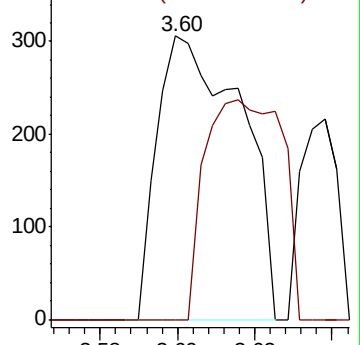
56 100

55 71.4 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 6.54 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050386.D

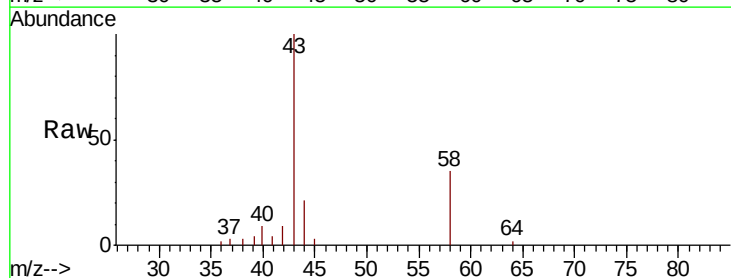
Acq: 6 Aug 2018 16:15

Tgt Ion: 43 Resp: 19507

Ion Ratio Lower Upper

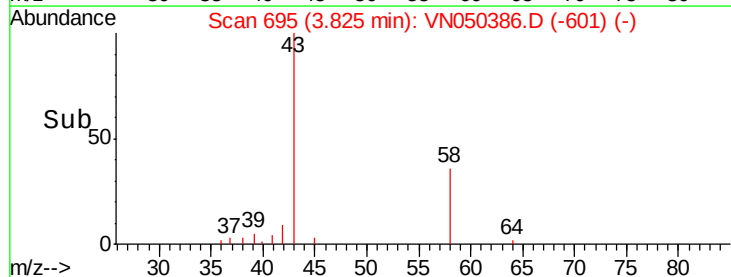
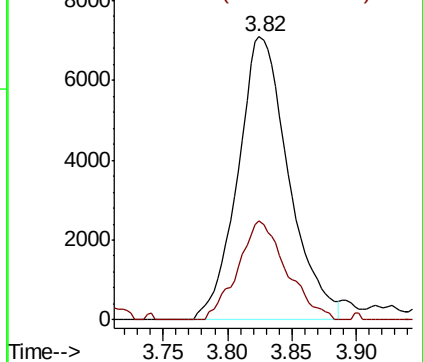
43 100

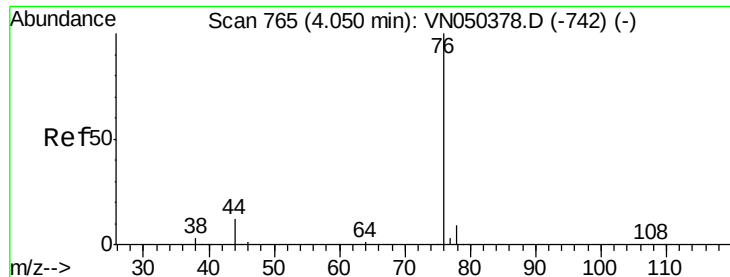
58 35.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

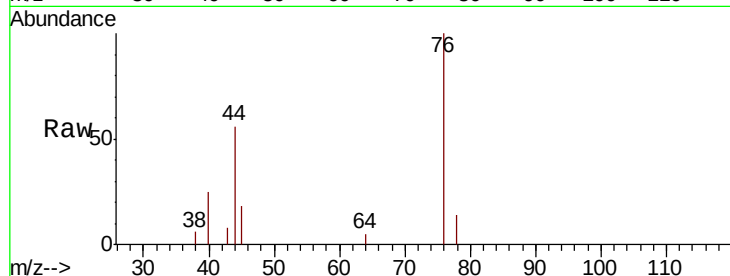
PB11760ZHE#01

Tot Ion: 76 Resp: 7469

Ion Ratio Lower Upper

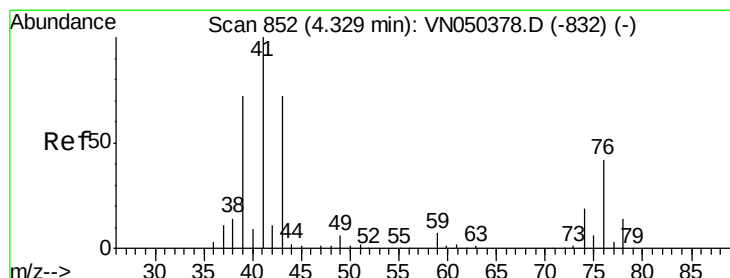
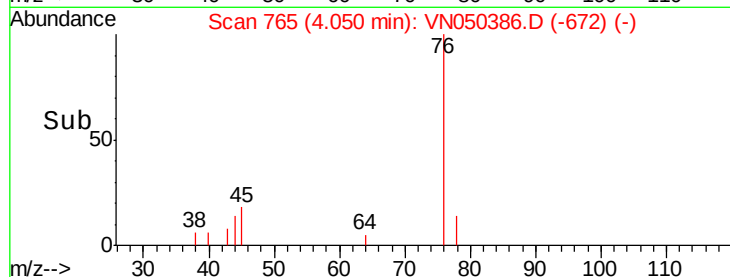
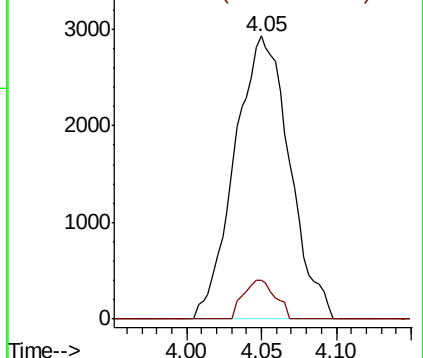
76 100

78 13.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.67 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050386.D

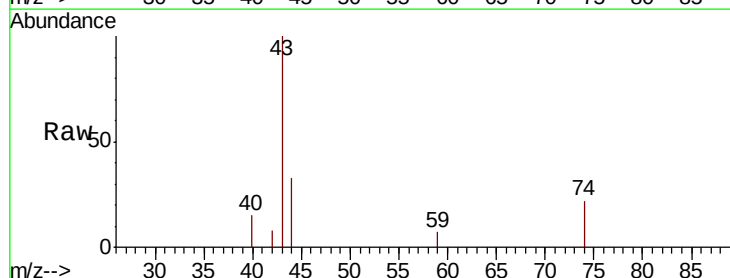
Acq: 6 Aug 2018 16:15

Tgt Ion: 43 Resp: 13655

Ion Ratio Lower Upper

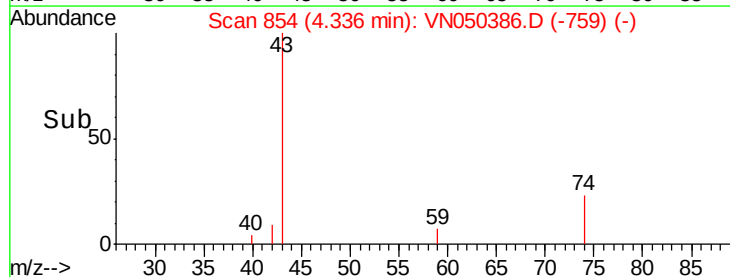
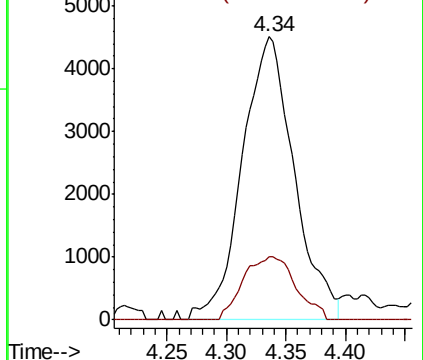
43 100

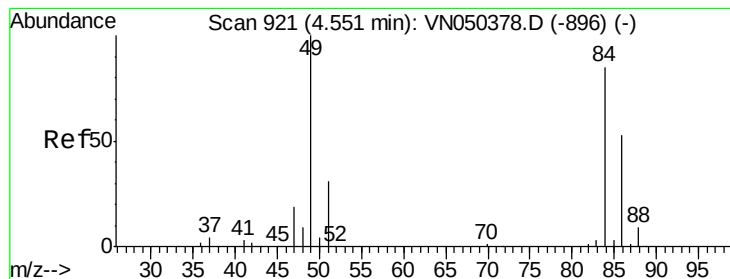
74 22.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 0.27 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#01

Tot Ion: 84 Resp: 15680

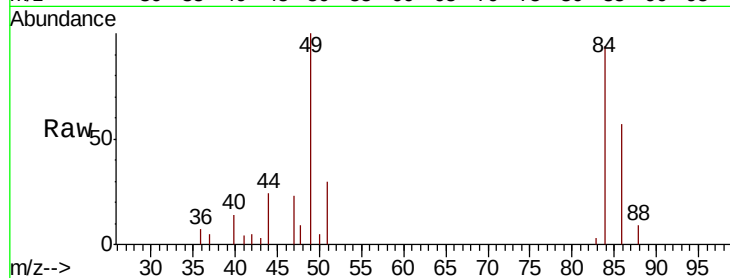
Ion Ratio Lower Upper

84 100

49 106.9 94.8 142.2

51 32.4 28.3 42.5

86 60.6 51.0 76.6



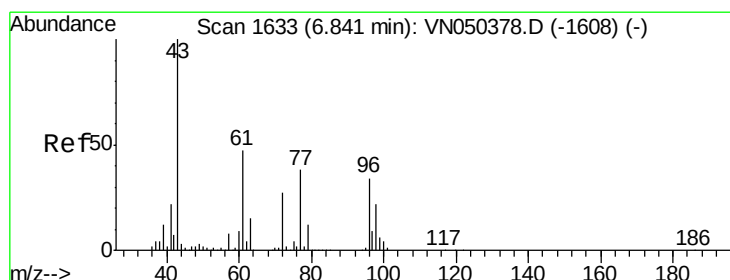
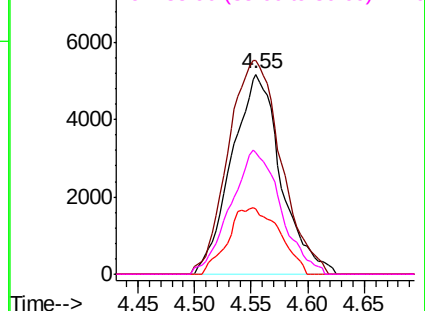
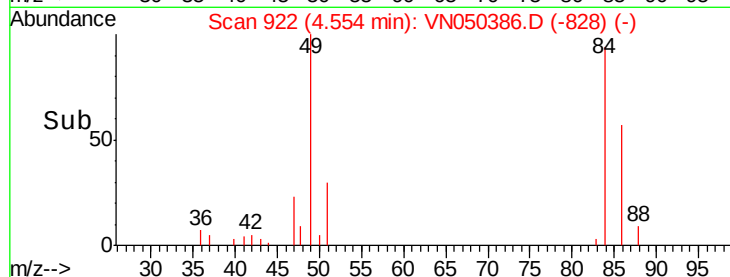
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.94 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050386.D

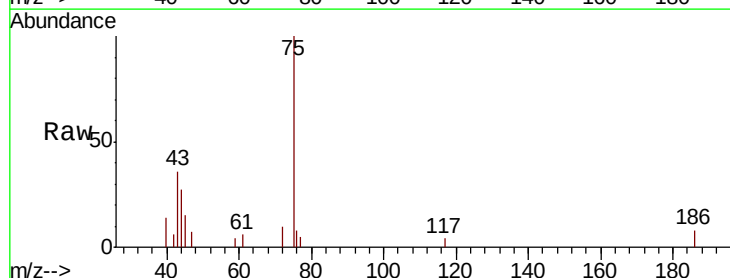
Acq: 6 Aug 2018 16:15

Tgt Ion: 43 Resp: 4433

Ion Ratio Lower Upper

43 100

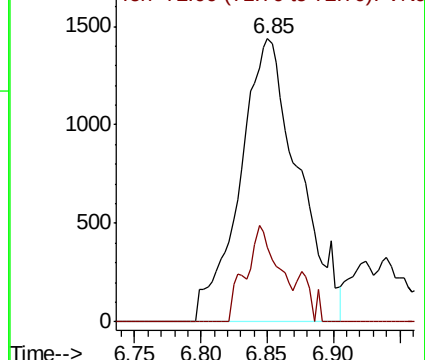
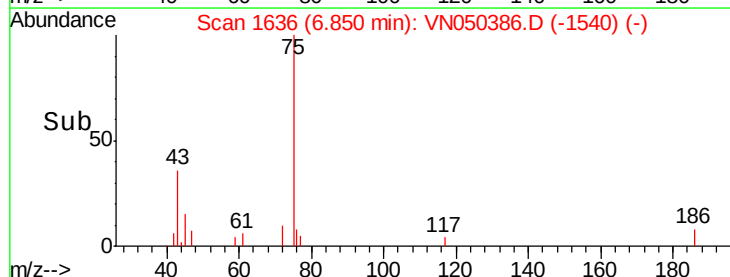
72 26.5 21.5 32.3

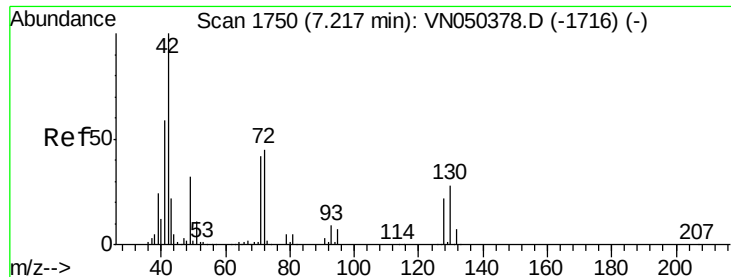


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampled :

PB11760ZHE#01

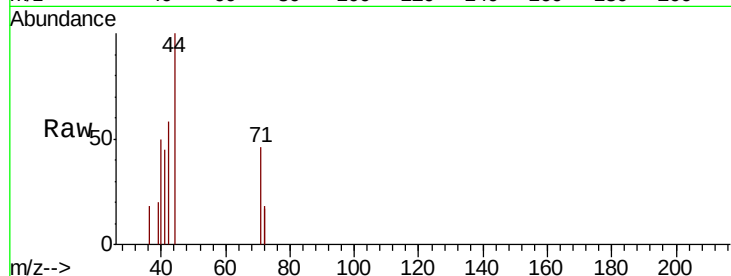
Tot Ion: 42 Resp: 774

Ion Ratio Lower Upper

42 100

72 34.2 35.9 53.9#

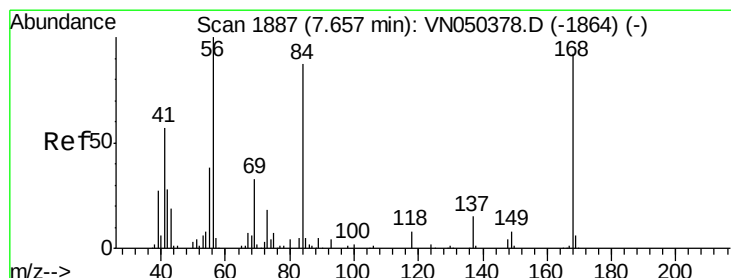
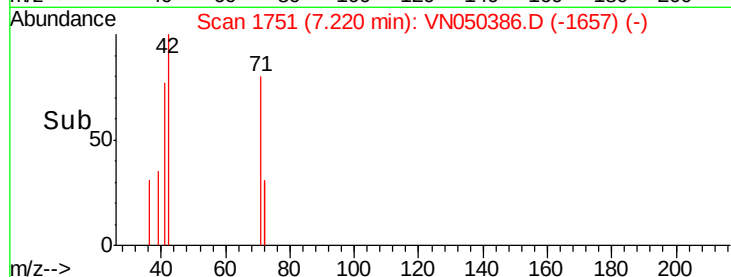
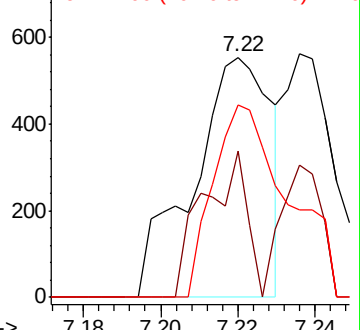
71 77.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.32 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

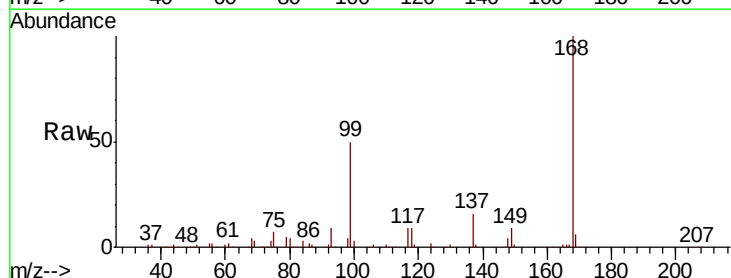
Tgt Ion: 56 Resp: 12821

Ion Ratio Lower Upper

56 100

69 202.8 26.2 39.4#

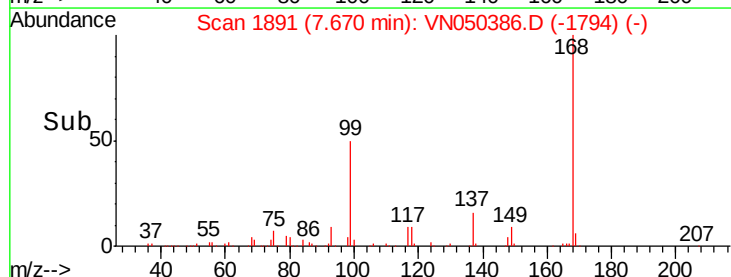
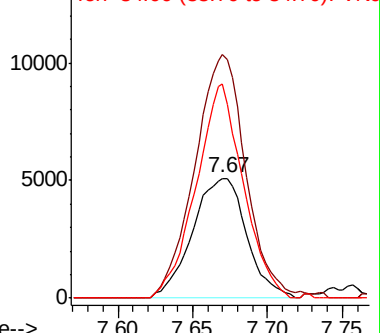
84 178.9 67.4 101.0#

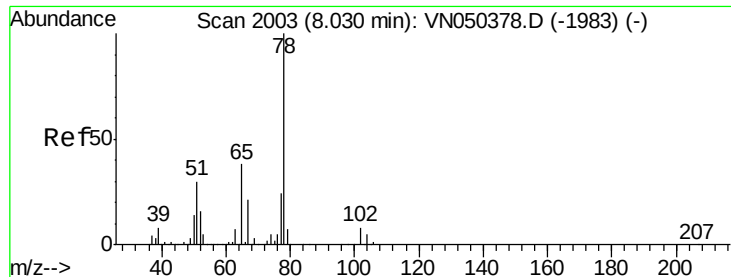


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

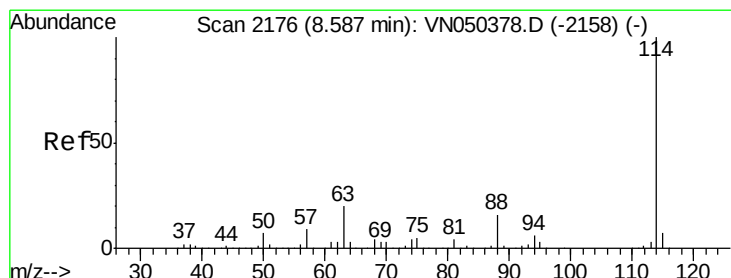
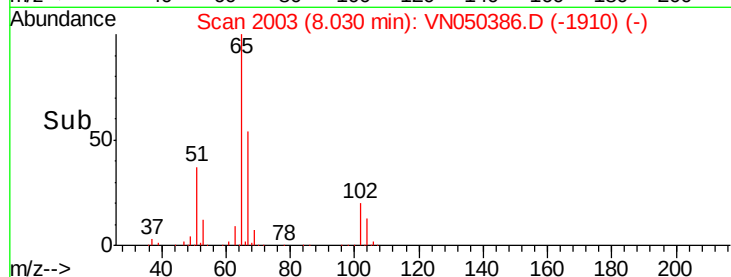
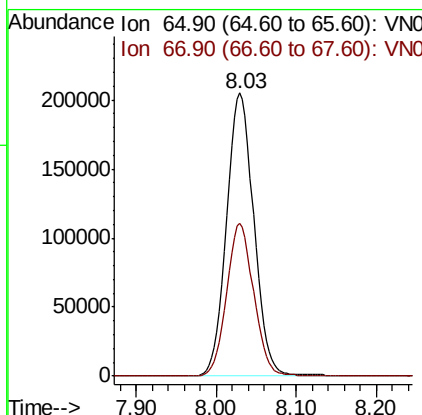
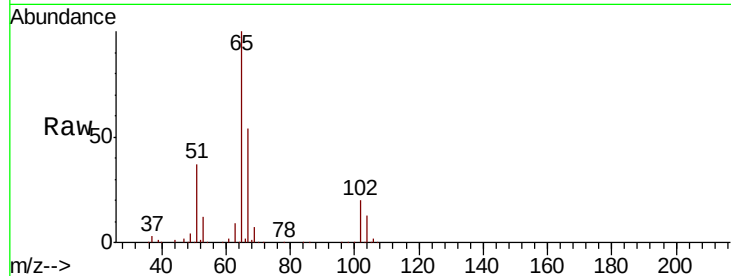




#33
 1,2-Dichloroethane-d4
 Concen: 50.39 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

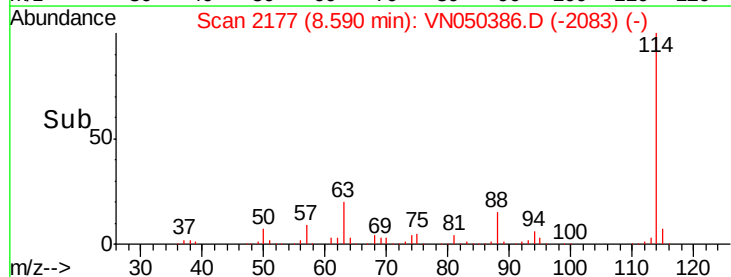
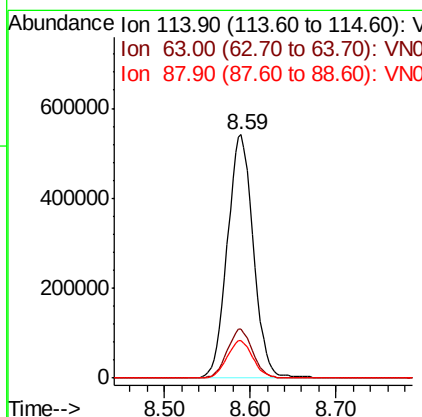
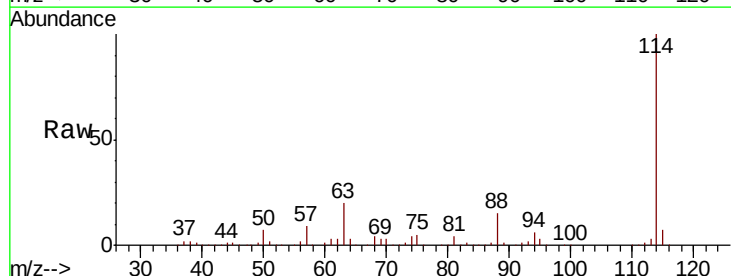
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#01

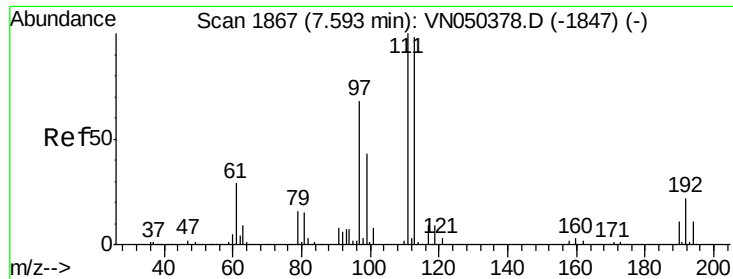
Tot Ion: 65 Resp: 477987
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

Tgt Ion: 114 Resp: 1134689
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.3 0.0 31.2

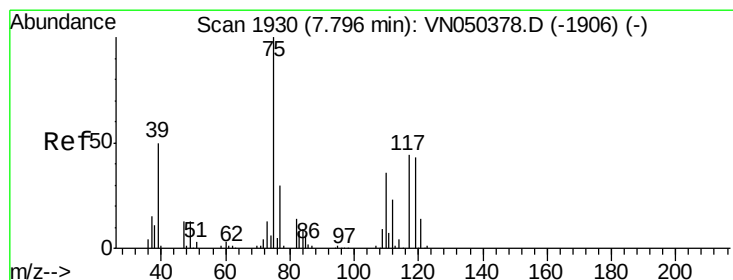
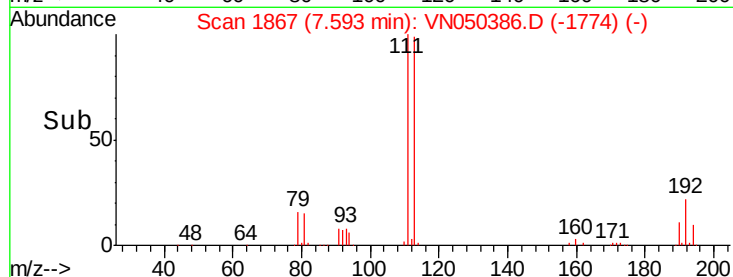
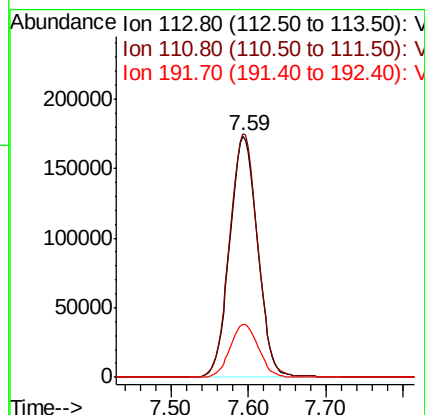
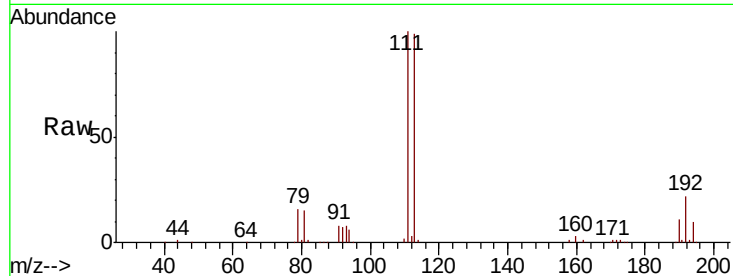




#35
 Dibromofluoromethane
 Concen: 47.45 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

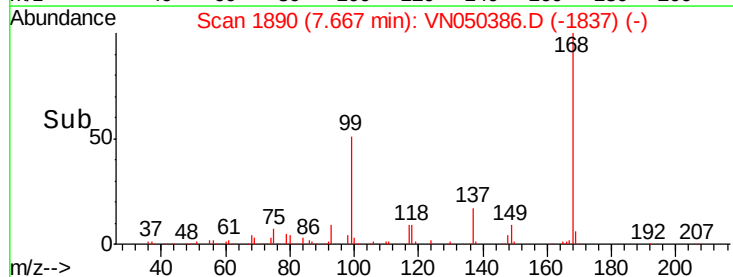
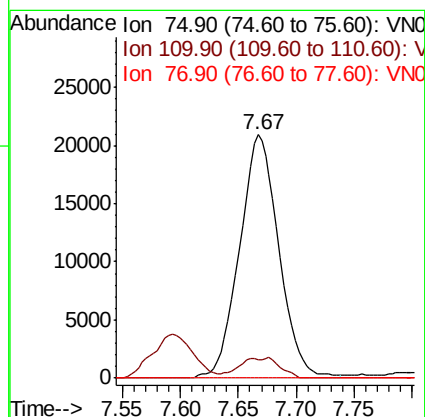
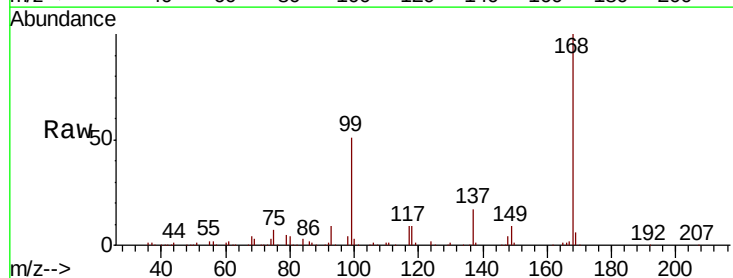
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#01

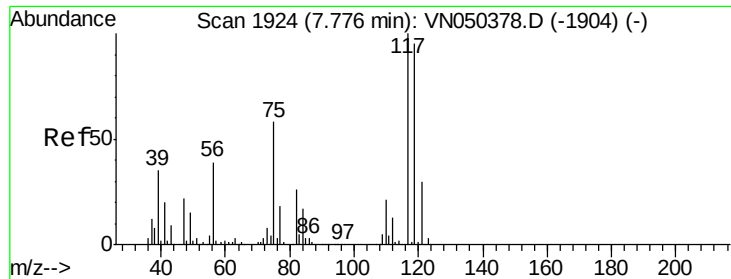
Tot Ion:113 Resp: 431970
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

Tgt Ion: 75 Resp: 49131
 Ion Ratio Lower Upper
 75 100
 110 2.9 18.4 55.2#
 77 0.0 25.3 37.9#

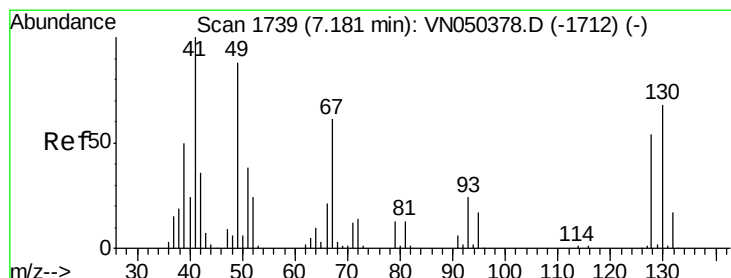
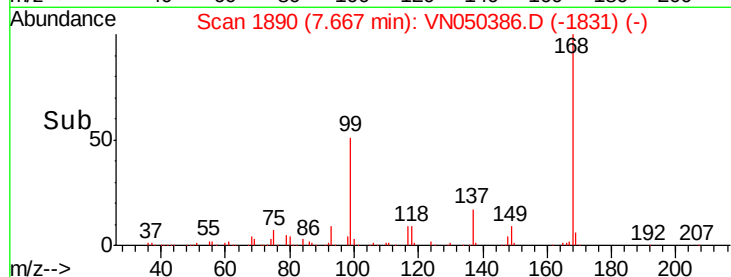
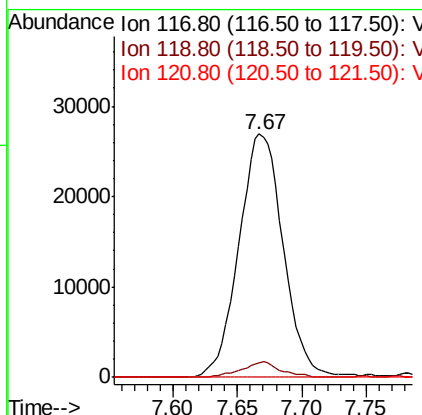
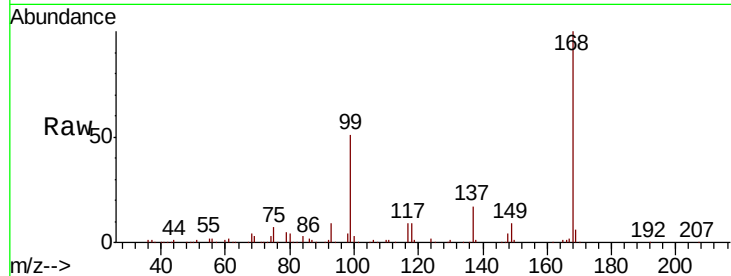




#38
Carbon Tetrachloride
Concen: 4.94 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050386.D
Acq: 6 Aug 2018 16:15

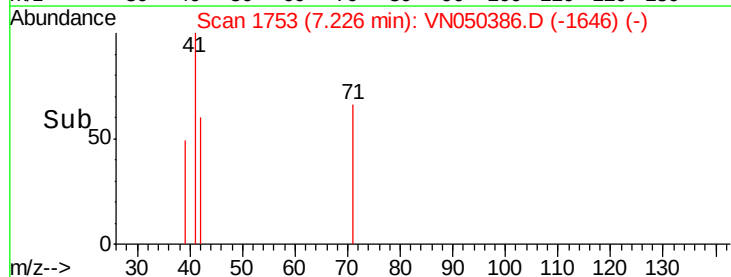
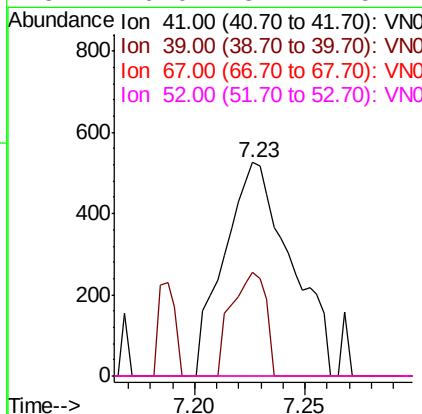
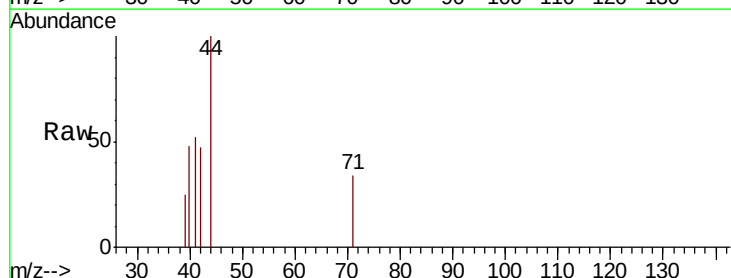
Instrument :
MSVOA_N
ClientSampled :
PB11760ZHE#01

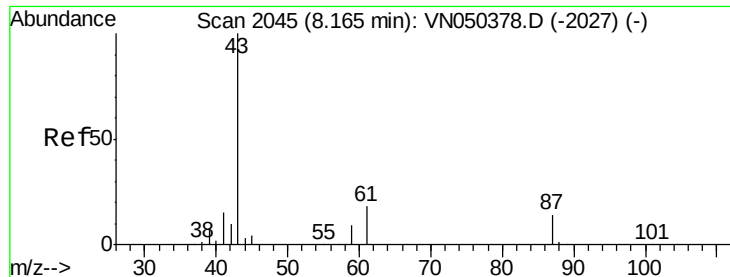
Tot Ion:117 Resp: 64188
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.04 min
Lab File: VN050386.D
Acq: 6 Aug 2018 16:15

Tgt Ion: 41 Resp: 1100
Ion Ratio Lower Upper
41 100
39 25.3 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 24.36 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#01

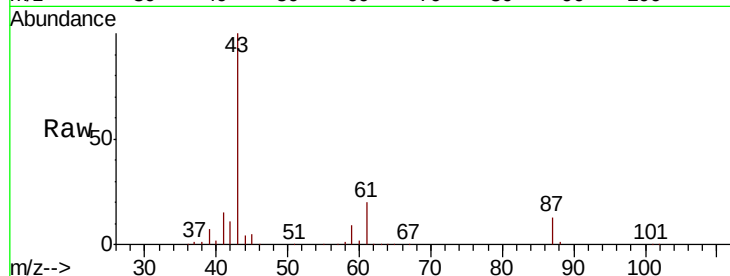
Tot Ion: 43 Resp: 377597

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.6

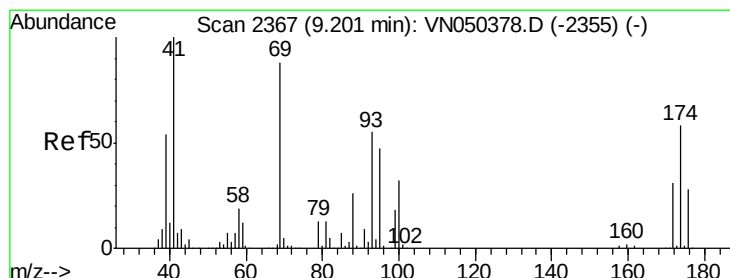
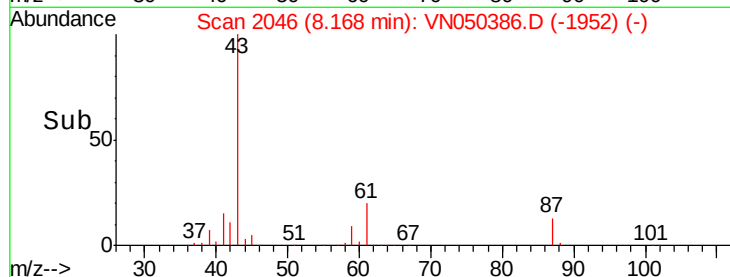
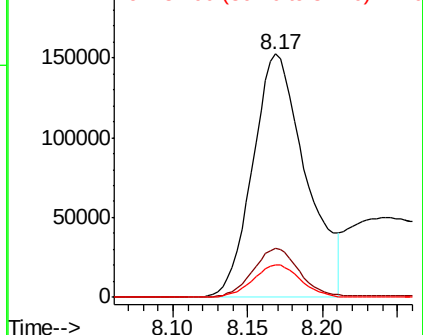
87 12.0 10.3 15.5



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



#48

Methyl methacrylate

Concen: 1.46 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

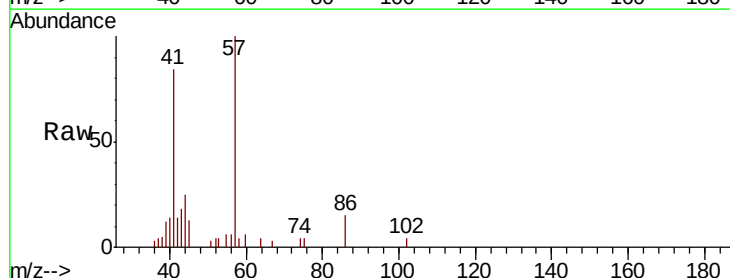
Tgt Ion: 41 Resp: 11371

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

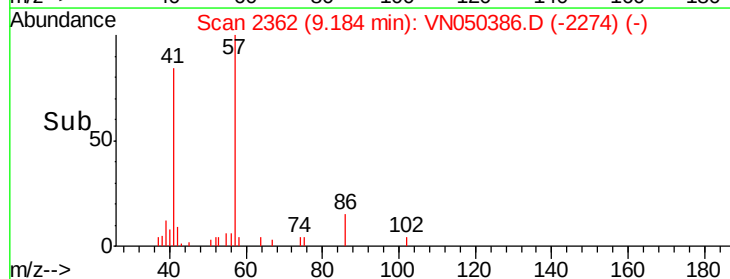
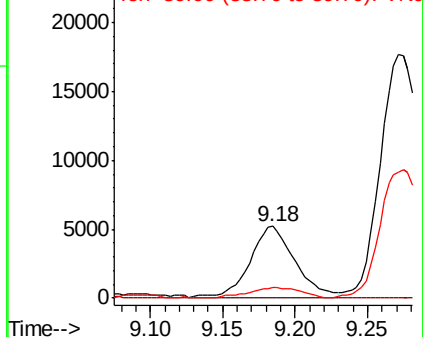
39 17.0 43.9 65.9#

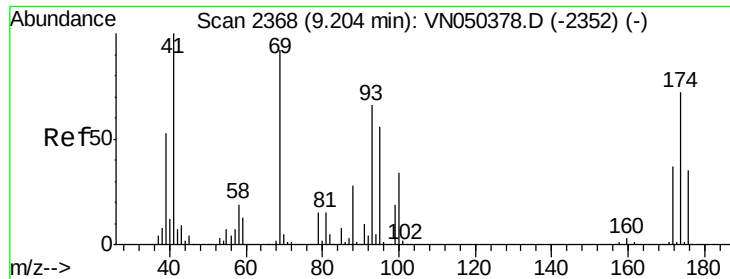


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

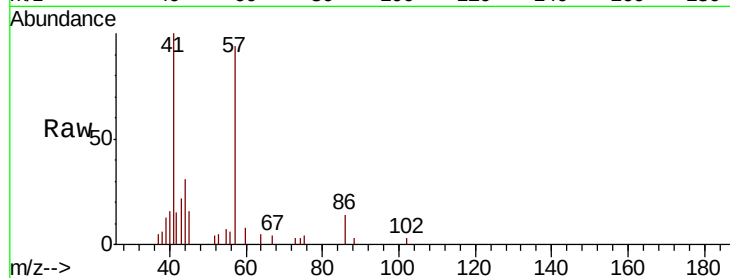




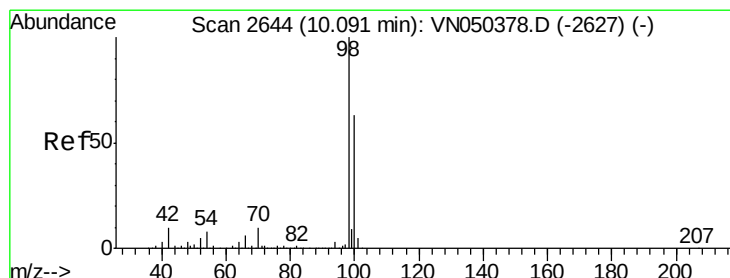
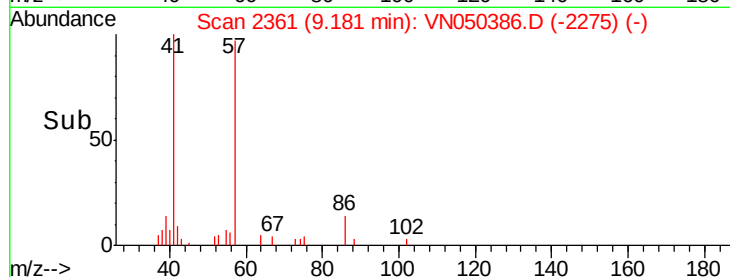
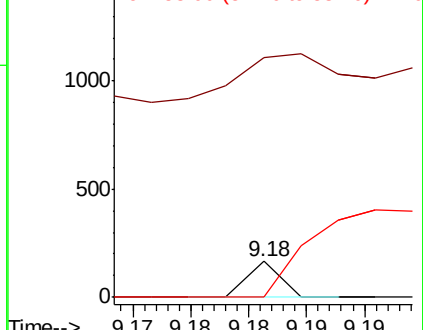
#49
1,4-Dioxane
Concen: 0.27 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050386.D
Acq: 6 Aug 2018 16:15

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#01

Tot Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 1846.9 57.3 85.9#

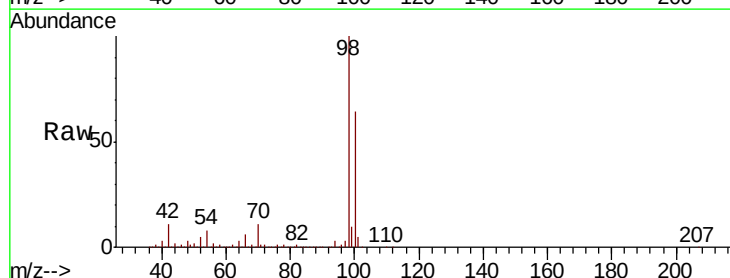


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

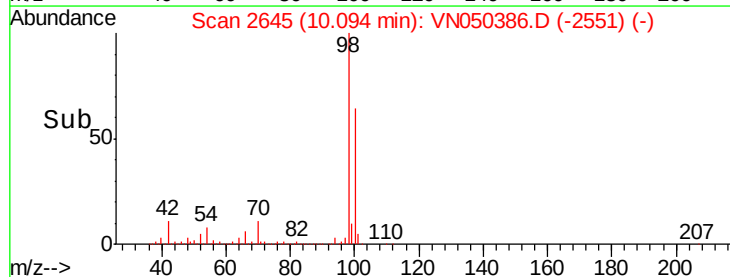
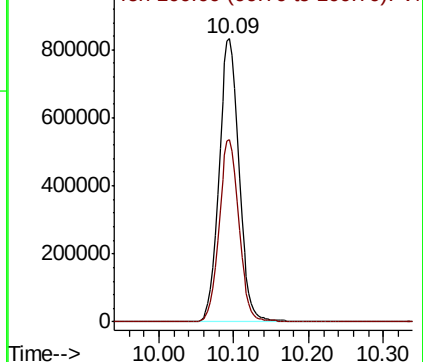


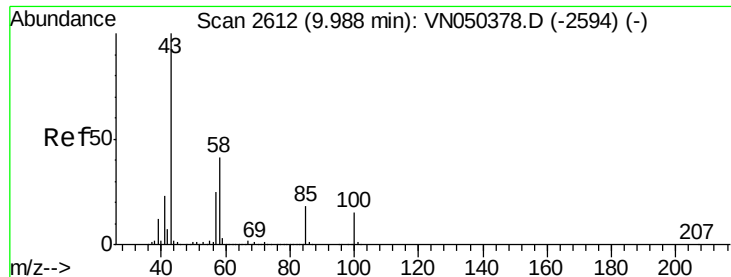
#50
Toluene-d8
Concen: 44.94 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050386.D
Acq: 6 Aug 2018 16:15

Tgt Ion: 98 Resp: 1538406
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

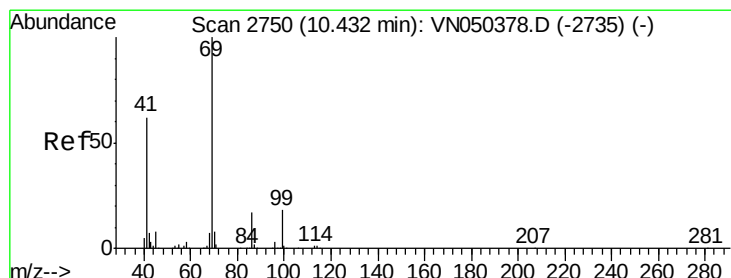
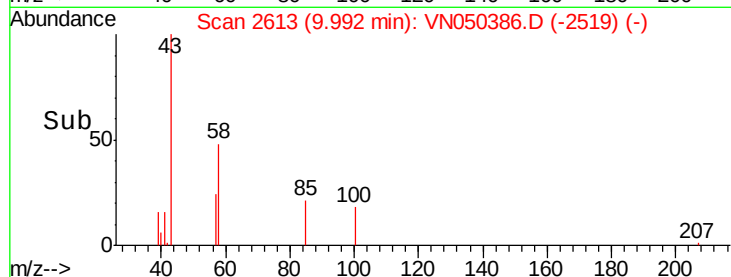
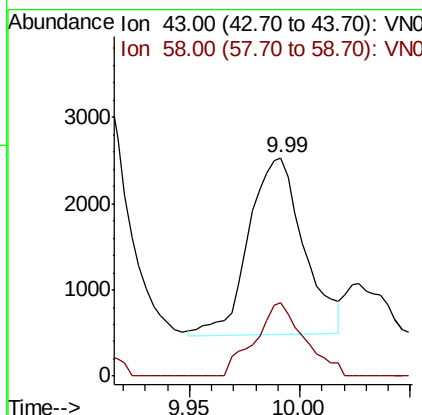
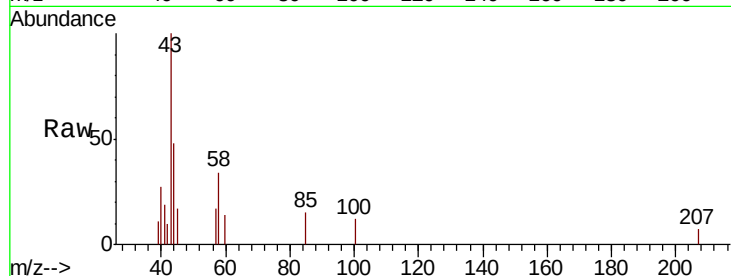




#51
4-Methyl-2-Pentanone
Concen: 0.32 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN050386.D
Acq: 6 Aug 2018 16:15

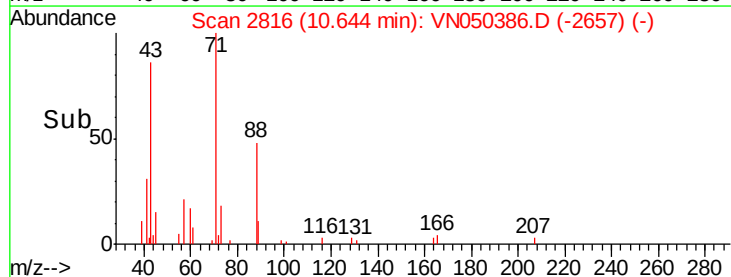
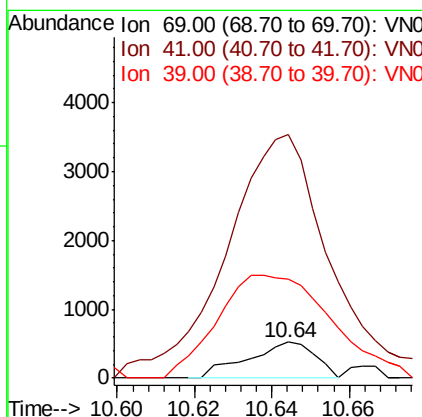
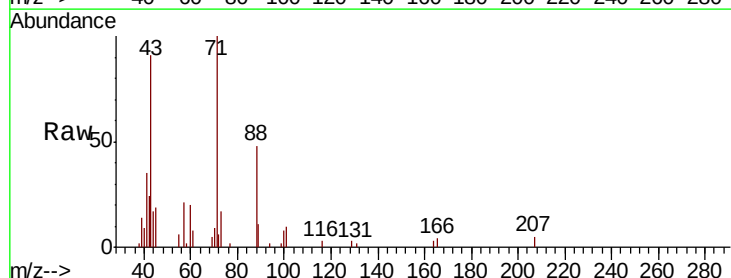
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#01

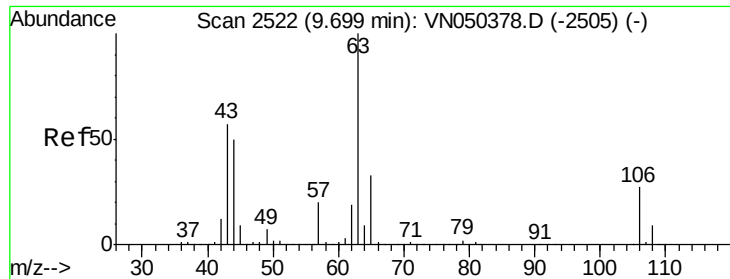
Tot Ion: 43 Resp: 3550
Ion Ratio Lower Upper
43 100
58 37.4 31.9 47.9



#56
Ethyl methacrylate
Concen: 1.76 ug/l
RT: 10.64 min Scan# 2816
Delta R.T. 0.21 min
Lab File: VN050386.D
Acq: 6 Aug 2018 16:15

Tgt Ion: 69 Resp: 632
Ion Ratio Lower Upper
69 100
41 1062.2 51.0 76.4#
39 485.3 26.6 40.0#

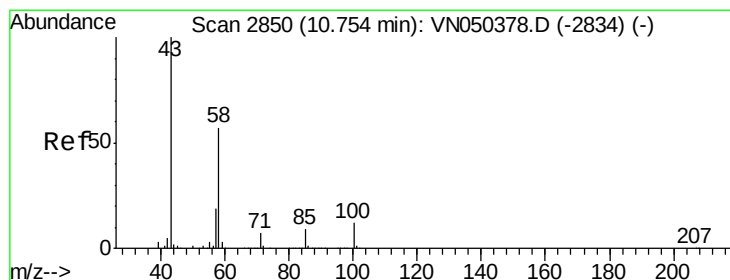
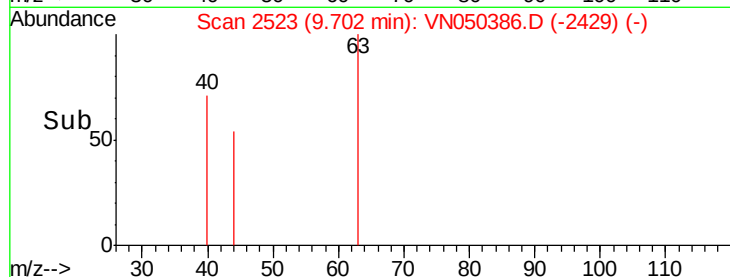
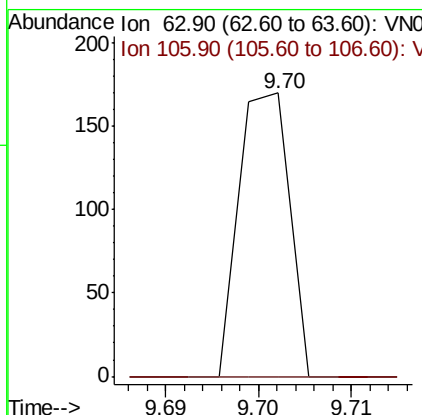
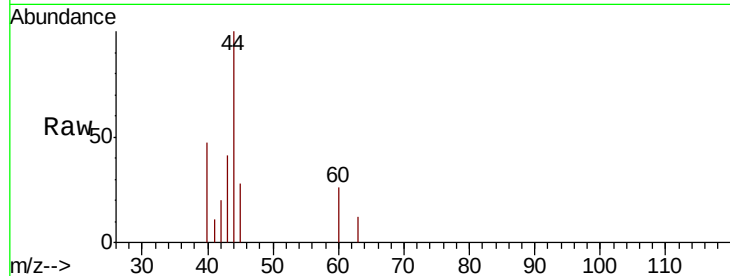




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.40 ug/l
 RT: 9.70 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

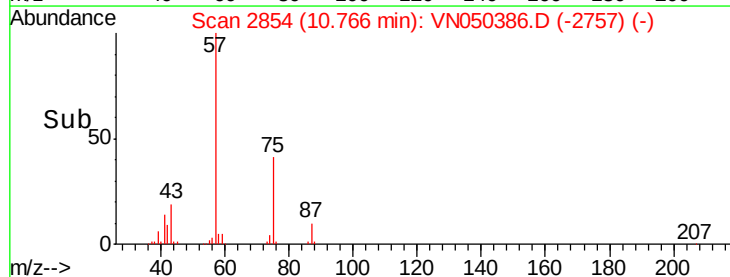
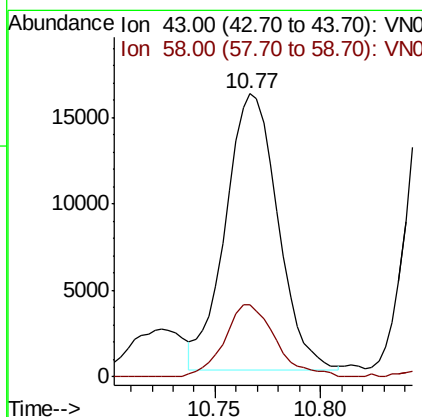
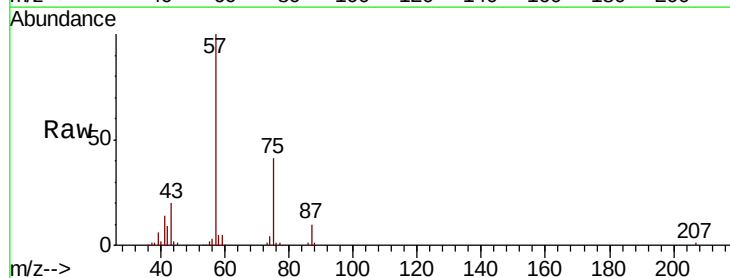
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#01

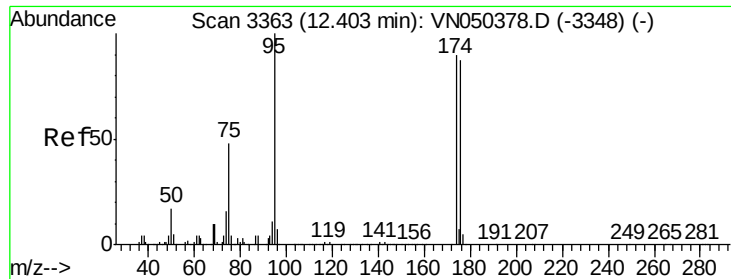
Tot Ion: 63 Resp: 65
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.7 32.5#



#59
 2-Hexanone
 Concen: 3.53 ug/l
 RT: 10.77 min Scan# 2854
 Delta R.T. 0.01 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

Tgt Ion: 43 Resp: 27493
 Ion Ratio Lower Upper
 43 100
 58 25.7 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 37.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#01

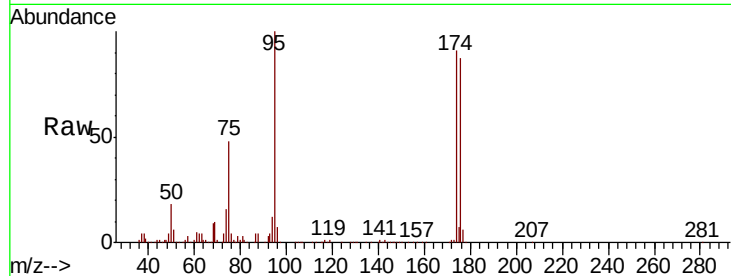
Tot Ion: 95 Resp: 431969

Ion Ratio Lower Upper

95 100

174 91.1 0.0 178.2

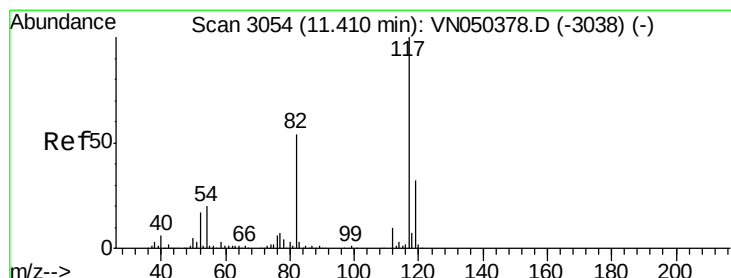
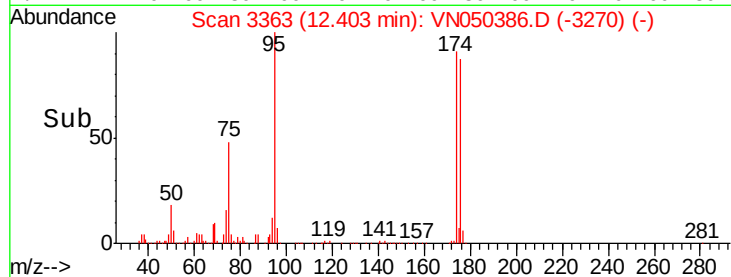
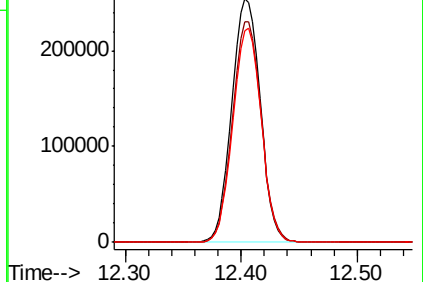
176 87.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

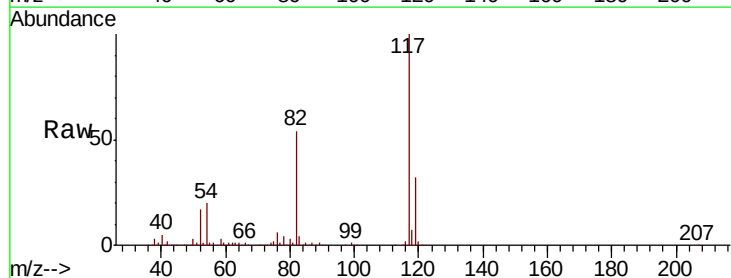
Tgt Ion: 117 Resp: 965555

Ion Ratio Lower Upper

117 100

82 54.1 43.7 65.5

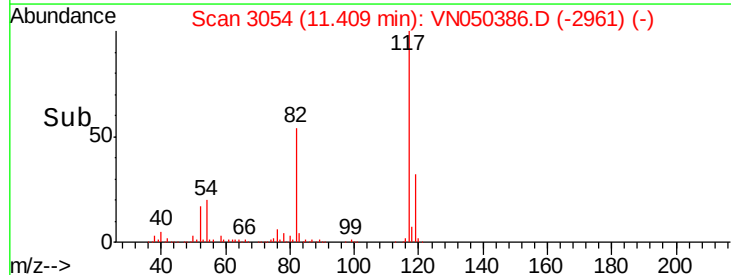
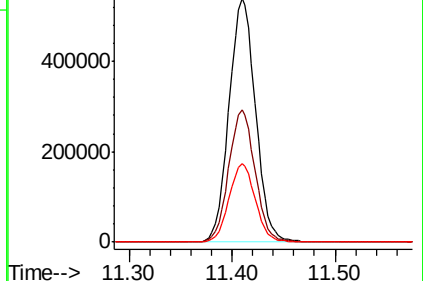
119 32.4 26.1 39.1

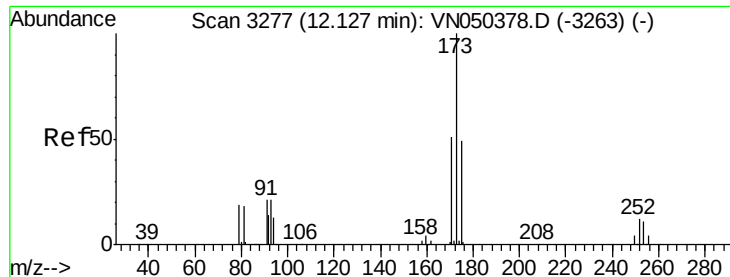


Abundance Ion 116.90 (116.60 to 117.60): VN050378.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050378.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050378.D (-3038) (-)





#71

Bromoform

Concen: 0.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#01

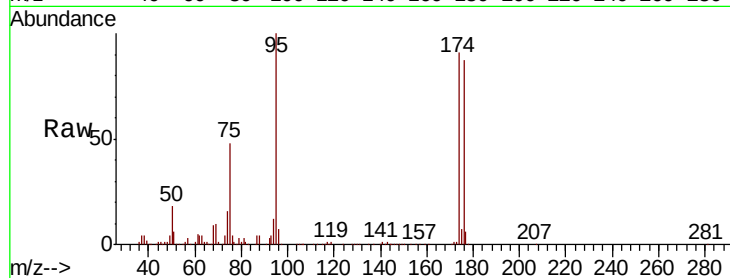
Tot Ion:173 Resp: 2022

Ion Ratio Lower Upper

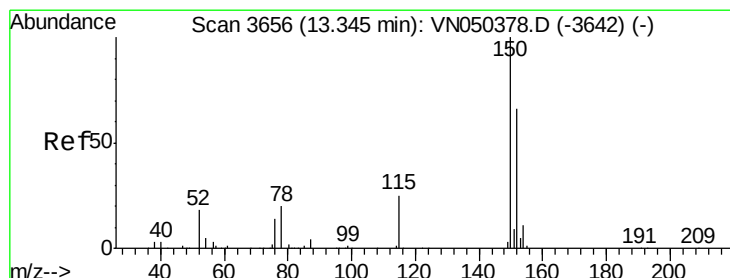
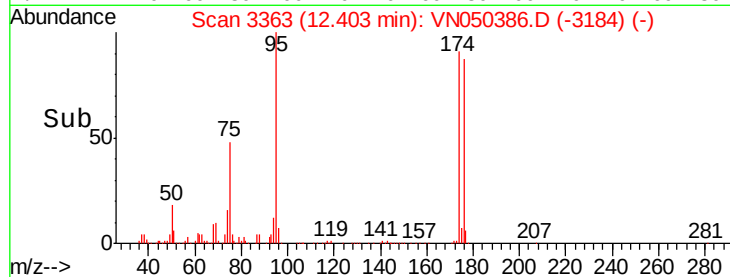
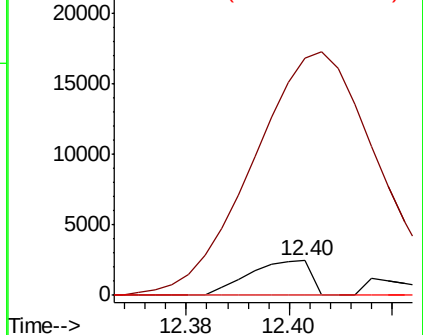
173 100

175 1132.2 24.1 72.2#

254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

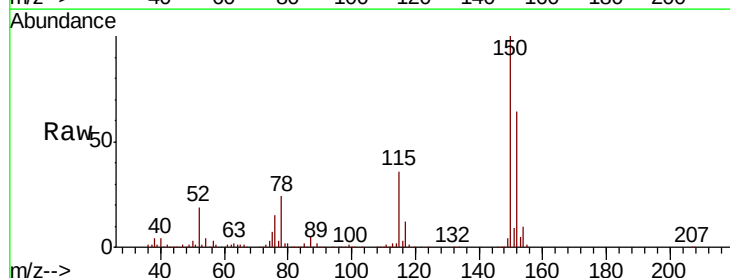
Tgt Ion:152 Resp: 354396

Ion Ratio Lower Upper

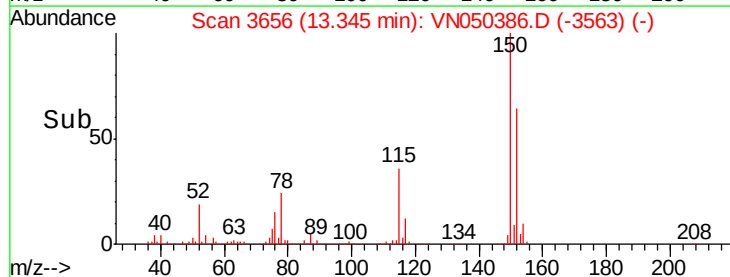
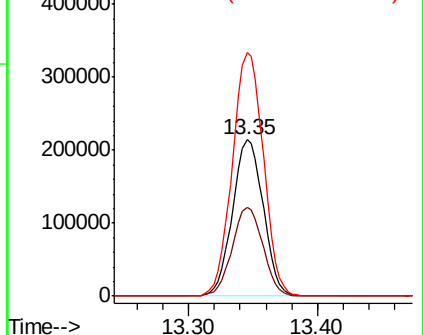
152 100

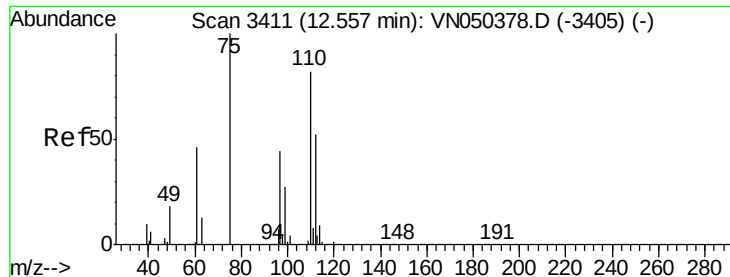
115 56.6 27.8 83.3

150 157.6 0.0 348.6



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





#76

1,2,3-Trichloropropane

Concen: 32.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

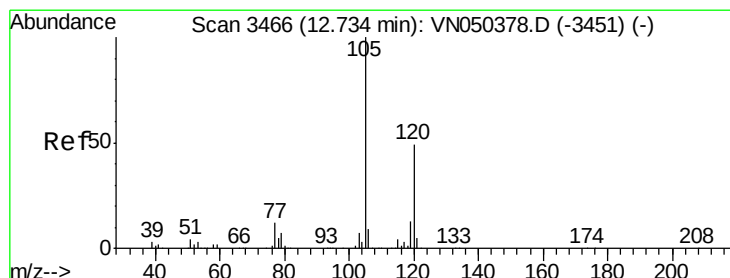
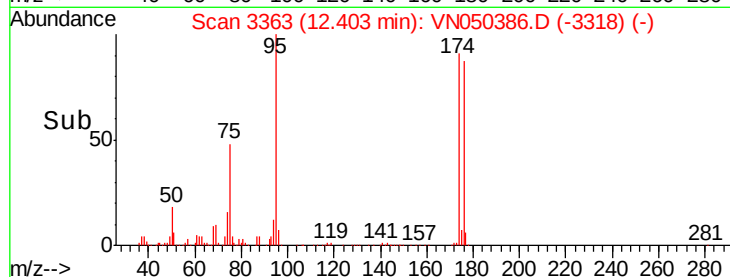
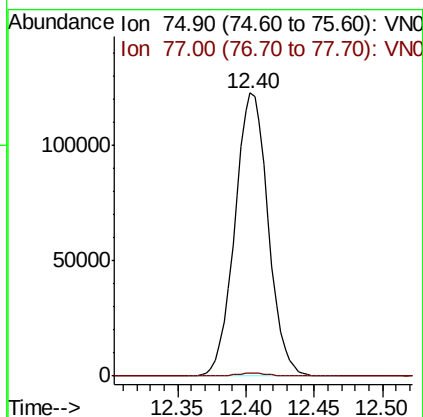
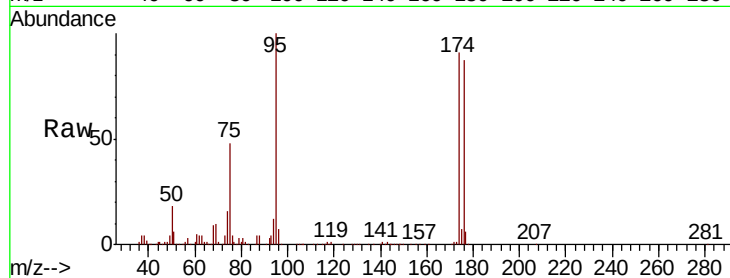
PB11760ZHE#01

Tot Ion: 75 Resp: 207826

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.34 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050386.D

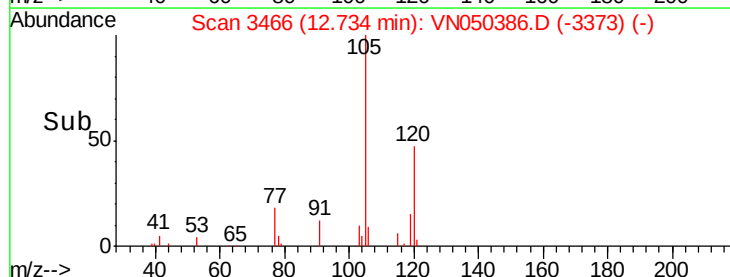
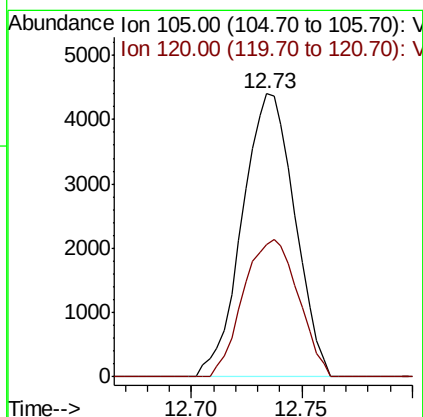
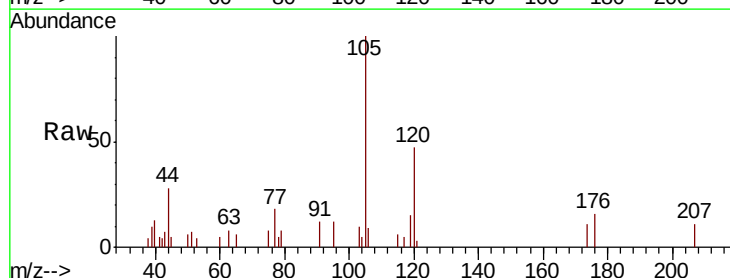
Acq: 6 Aug 2018 16:15

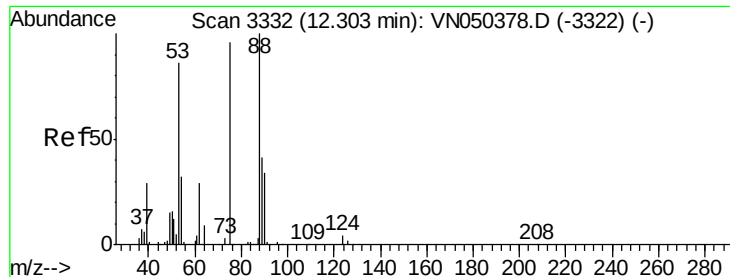
Tgt Ion:105 Resp: 7286

Ion Ratio Lower Upper

105 100

120 50.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 113.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#01

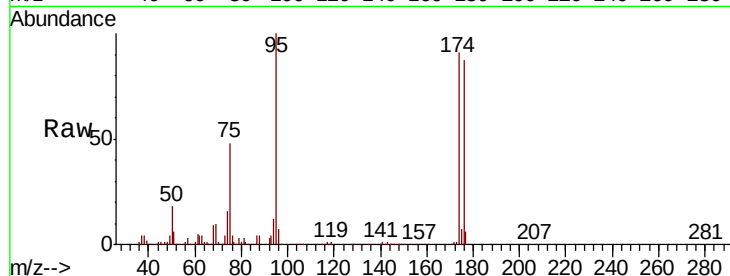
Tot Ion: 75 Resp: 207826

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

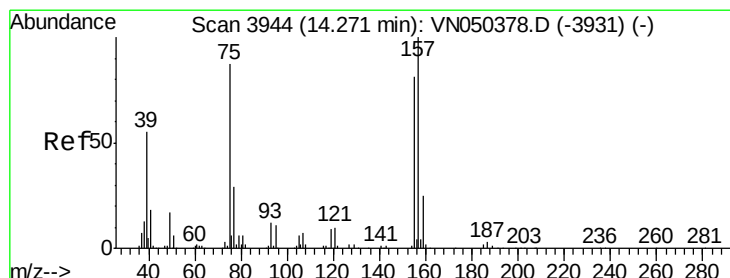
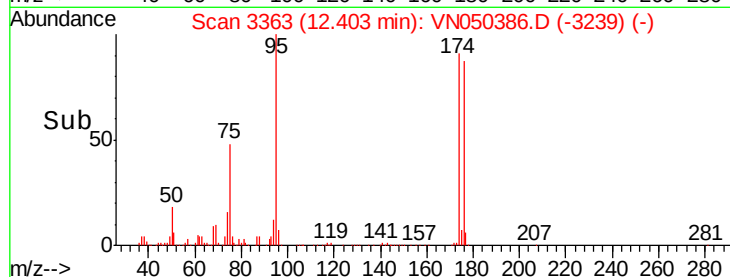
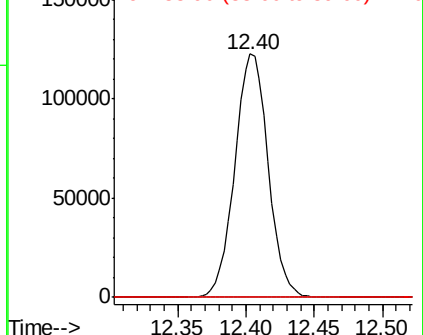
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.31 ug/l

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

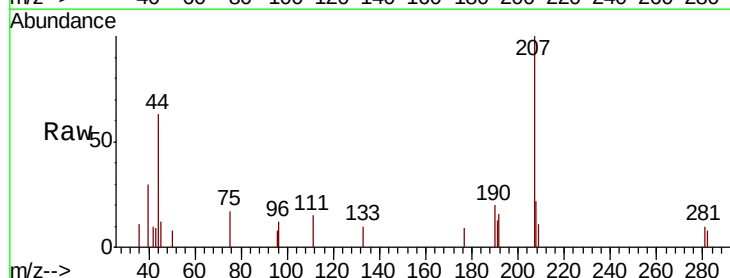
Tgt Ion: 75 Resp: 407

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

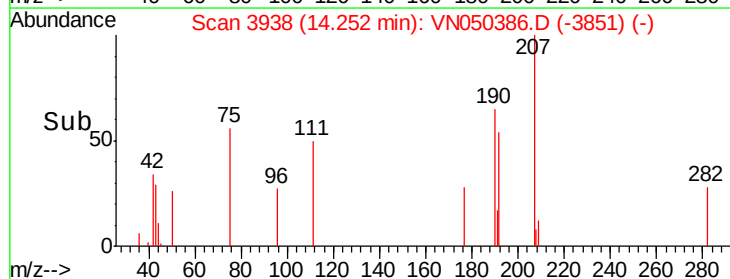
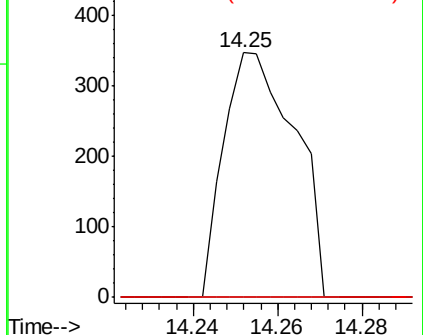
157 0.0 57.2 171.6#

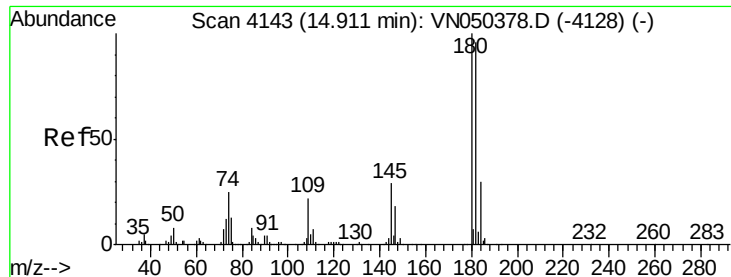


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

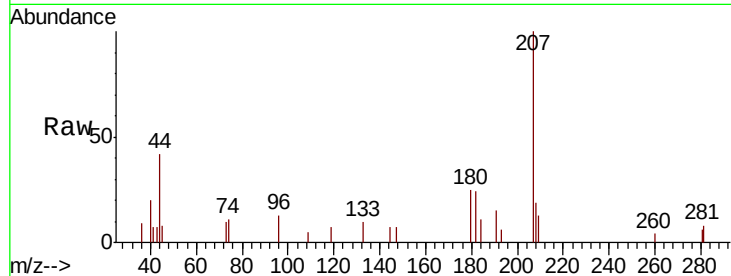




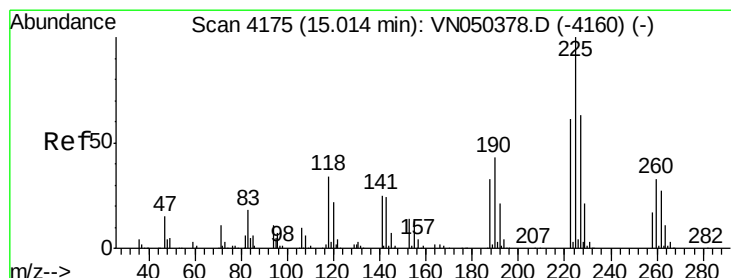
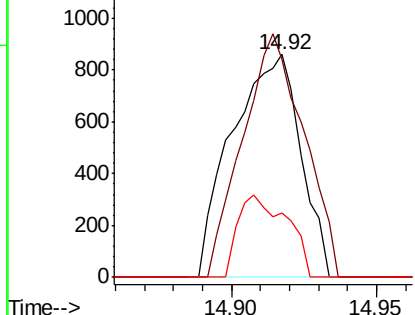
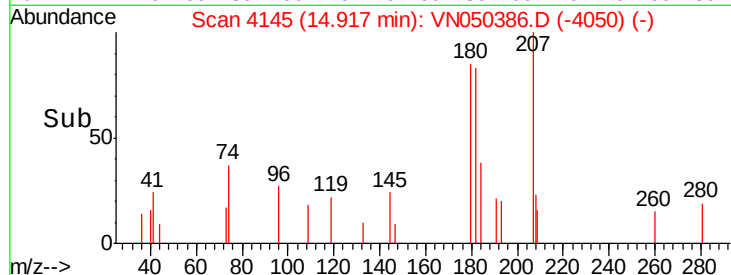
#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#01

Tot Ion:180 Resp: 1408
 Ion Ratio Lower Upper
 180 100
 182 97.9 46.7 140.1
 145 26.5 13.8 41.4

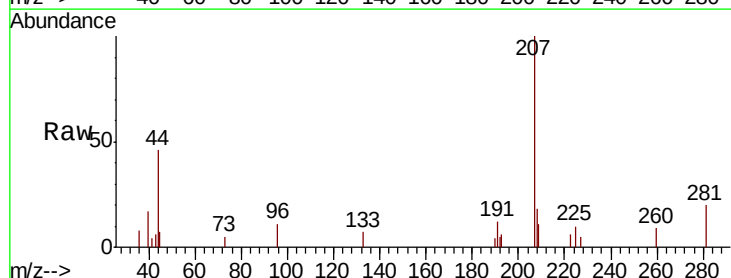


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

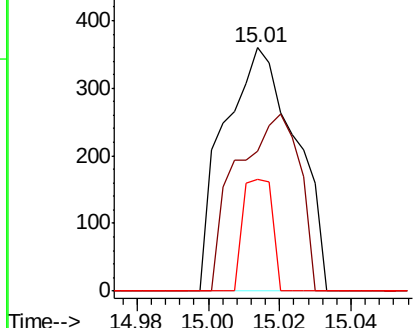
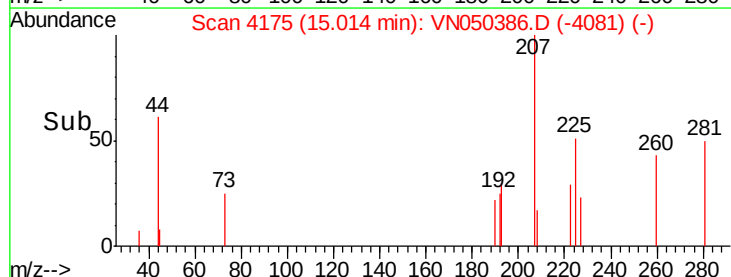


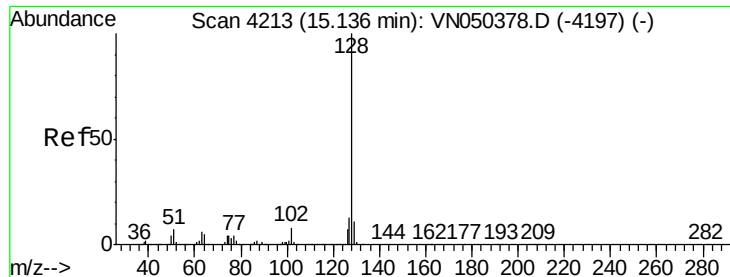
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050386.D
 Acq: 6 Aug 2018 16:15

Tgt Ion:225 Resp: 500
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.2
 227 18.8 32.1 96.5#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.83 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#01

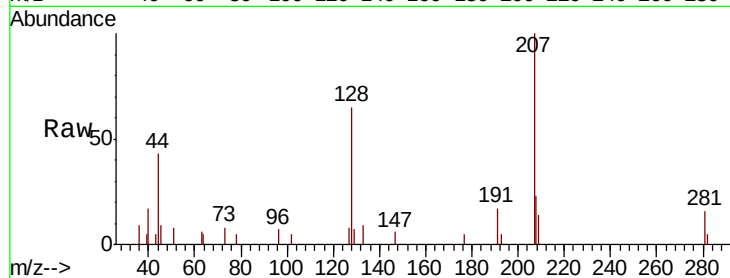
Tot Ion:128 Resp: 3963

Ion Ratio Lower Upper

128 100

127 7.3 10.4 15.6#

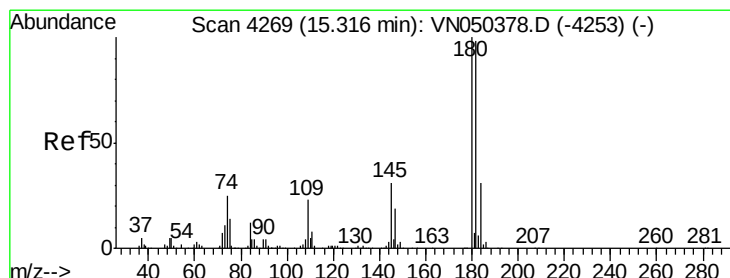
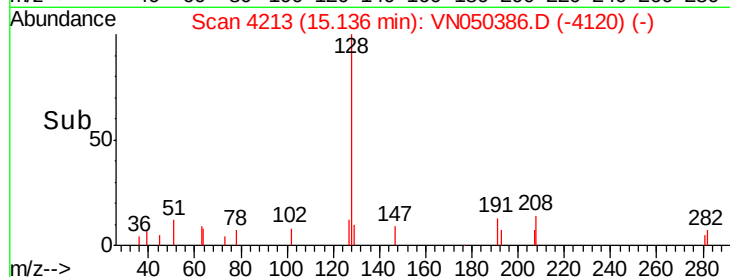
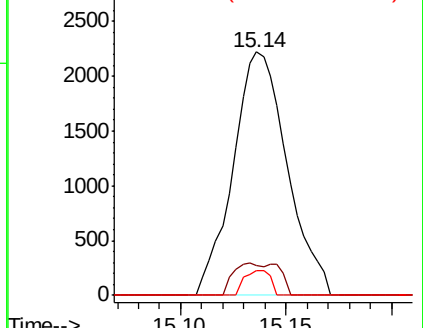
129 4.8 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN050386.D

Acq: 6 Aug 2018 16:15

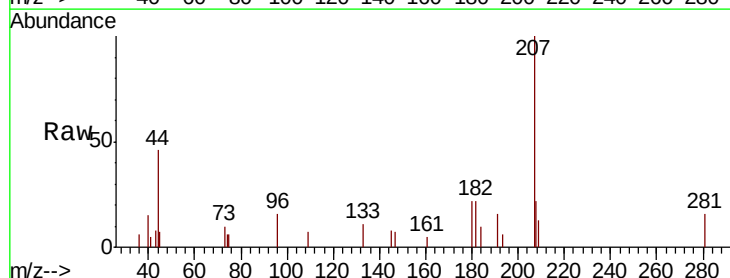
Tgt Ion:180 Resp: 1633

Ion Ratio Lower Upper

180 100

182 85.5 48.1 144.4

145 26.3 15.3 45.9



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

