

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072318\
 Data File : VN050005.D
 Acq On : 23 Jul 2018 11:37
 Operator : MD\SY
 Sample : PB111341ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111341ZHE#01

Quant Time: Jul 24 04:12:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	597469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	977158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	835093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424903	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.59	113	372815	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
50) Toluene-d8	10.09	98	1330518	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
62) 4-Bromofluorobenzene	12.40	95	366945	35.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.30%	

Target Compounds

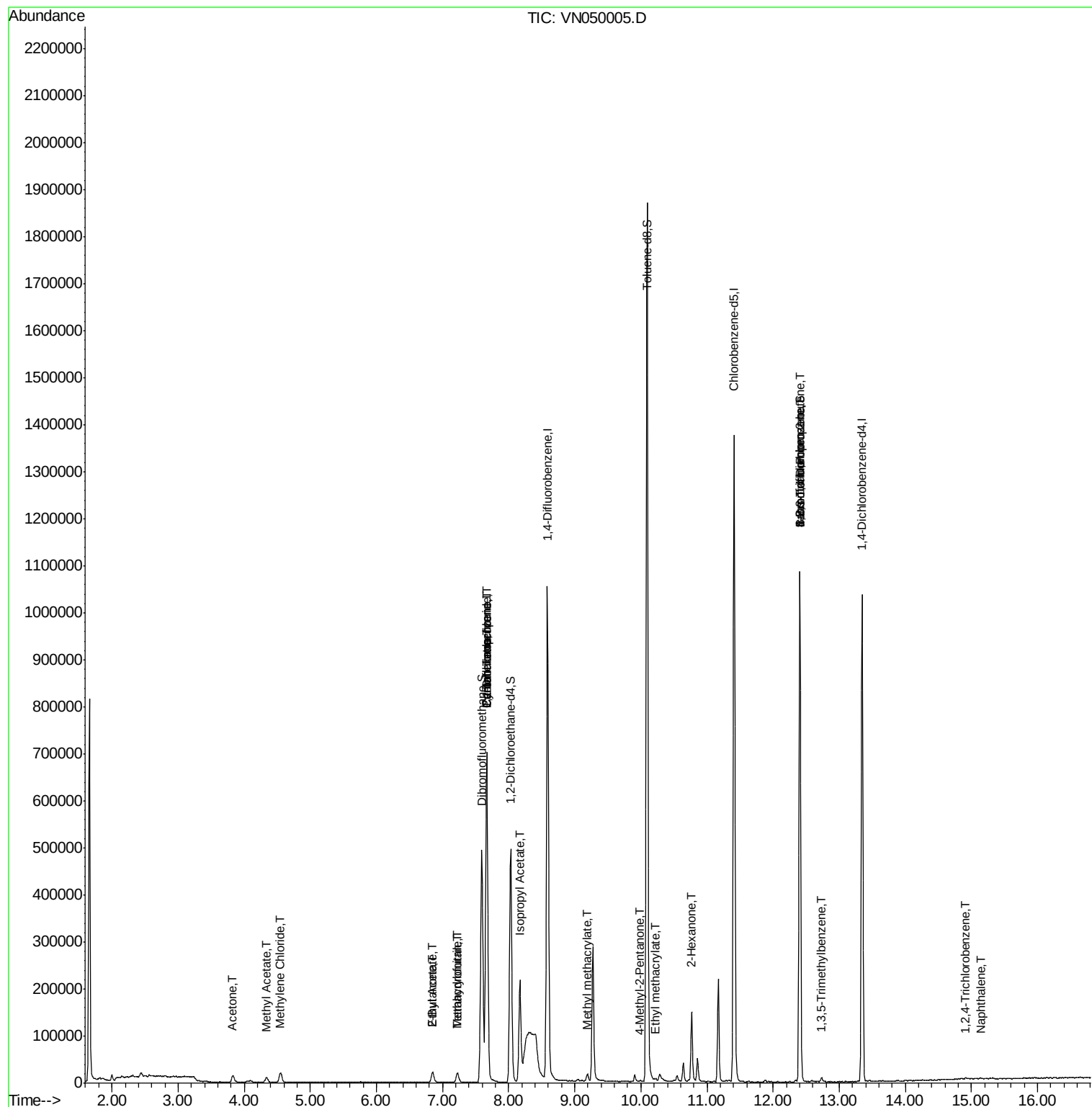
						Qvalue
2) Dichlorodifluoromethane	1.85	85	153	Below Cal	#	44
5) Bromomethane	2.57	94	1849	Below Cal		99
16) Acetone	3.82	43	25367	11.931	ug/l	98
18) Methyl Acetate	4.34	43	18805	2.023	ug/l	99
20) Methylene Chloride	4.54	84	14619	1.808	ug/l	97
25) 2-Butanone	6.85	43	33651	11.074	ug/l #	89
29) Tetrahydrofuran	7.23	42	16542	8.642	ug/l	96
31) Cyclohexane	7.67	56	10884	0.995	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43022	3.960	ug/l #	49
37) Ethyl Acetate	6.85	43	33651	4.510	ug/l #	69
38) Carbon Tetrachloride	7.67	117	53810	4.624	ug/l #	16
41) Methacrylonitrile	7.22	41	10828	2.895	ug/l #	45
43) Isopropyl Acetate	8.17	43	257168	19.730	ug/l	98
48) Methyl methacrylate	9.18	41	8654	1.324	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	2757	0.378	ug/l	94
56) Ethyl methacrylate	10.23	69	2426	2.369	ug/l #	70
59) 2-Hexanone	10.77	43	21292	4.351	ug/l #	60
71) Bromoform	12.40	173	3352	0.577	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	179734	31.865	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4274	0.233	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	179734	99.640	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	997	3.632	ug/l #	66
95) Naphthalene	15.14	128	2434	4.647	ug/l #	89

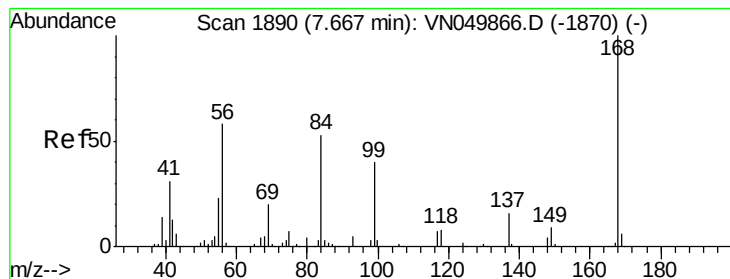
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN072318\
Data File : VN050005.D
Acq On : 23 Jul 2018 11:37
Operator : MD\SY
Sample : PB111341ZHE#01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#01

Quant Time: Jul 24 04:12:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

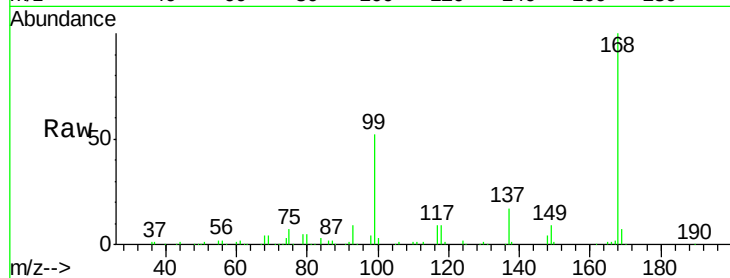
PB111341ZHE#01

Tgt Ion:168 Resp: 597469

Ion Ratio Lower Upper

168 100

99 52.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

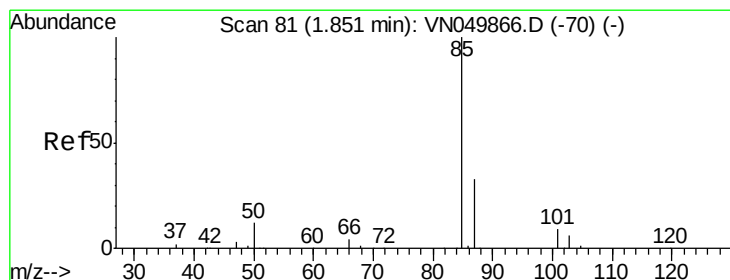
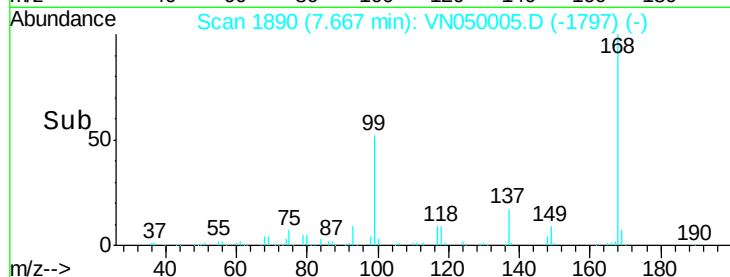
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050005.D

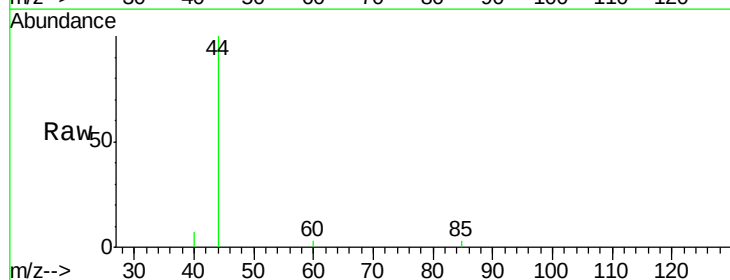
Acq: 23 Jul 2018 11:37

Tgt Ion: 85 Resp: 153

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250

200

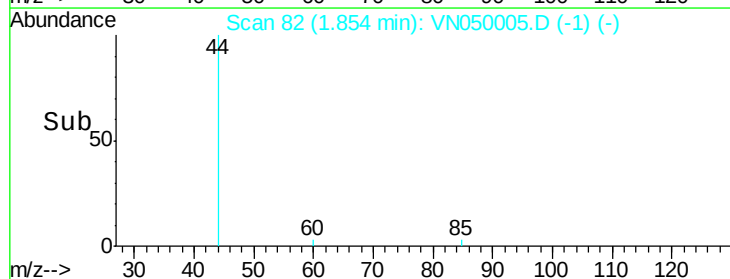
150

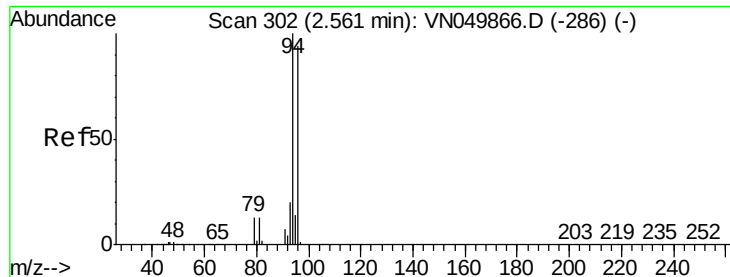
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

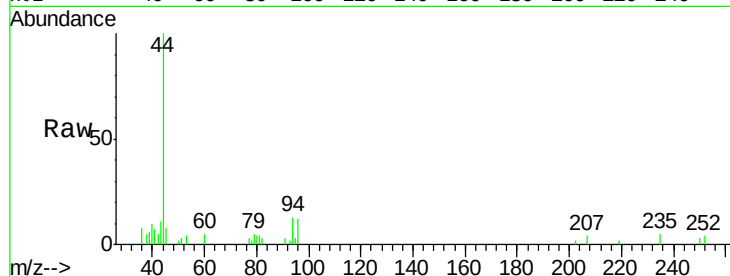
PB111341ZHE#01

Tgt Ion: 94 Resp: 1849

Ion Ratio Lower Upper

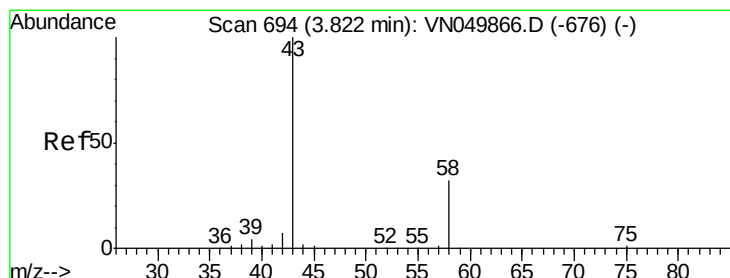
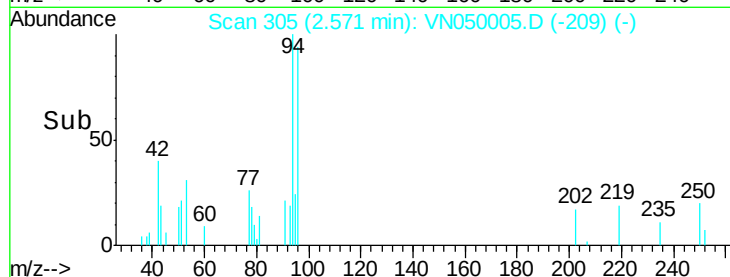
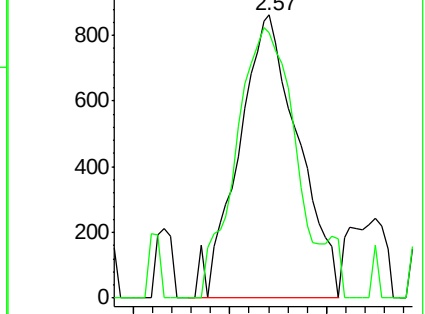
94 100

96 93.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 11.931 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050005.D

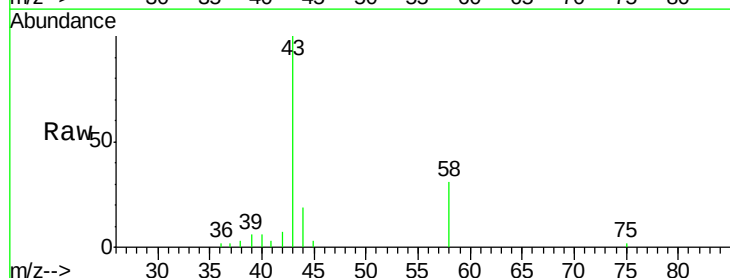
Acq: 23 Jul 2018 11:37

Tgt Ion: 43 Resp: 25367

Ion Ratio Lower Upper

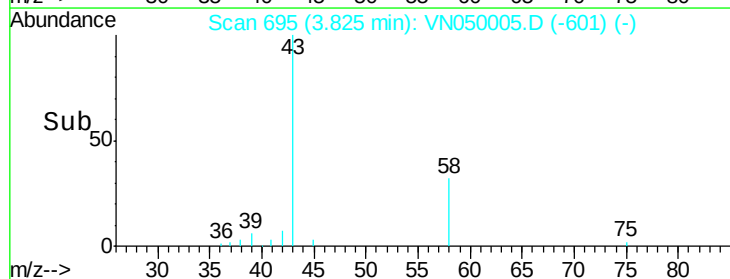
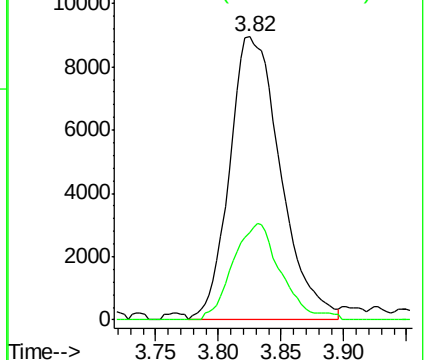
43 100

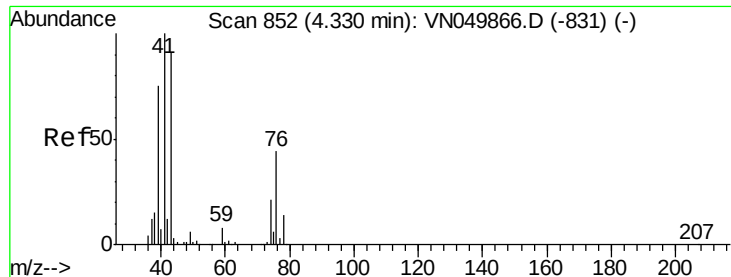
58 31.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

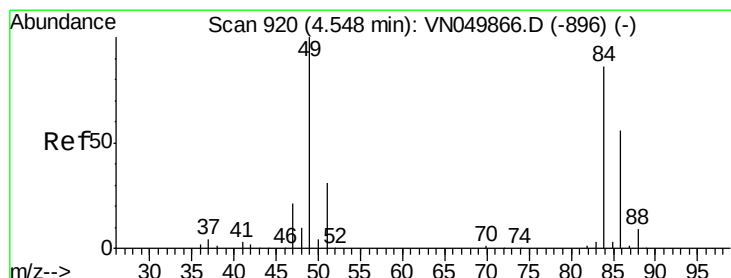
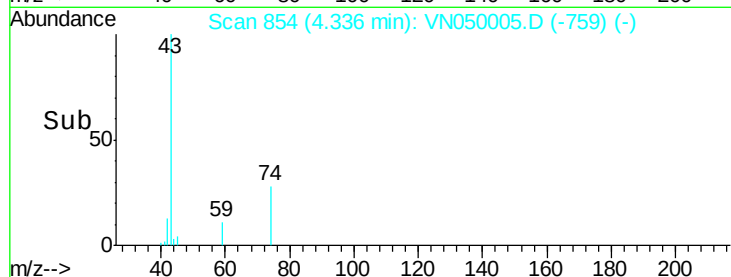
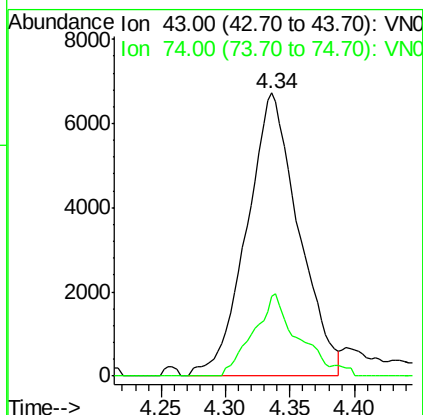
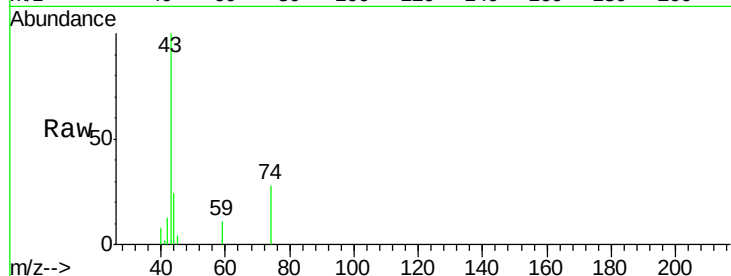




#18
Methyl Acetate
Concen: 2.023 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050005.D
Acq: 23 Jul 2018 11:37

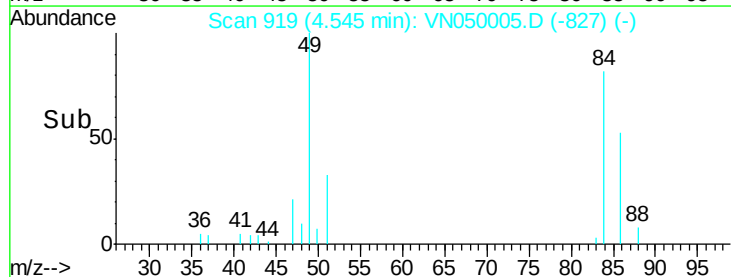
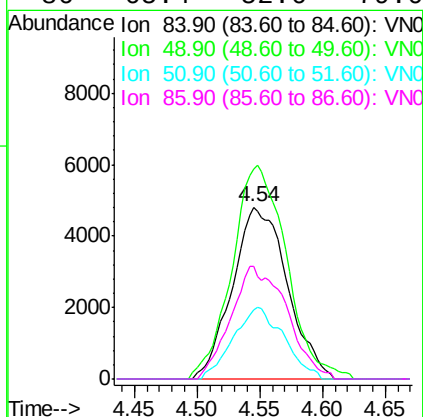
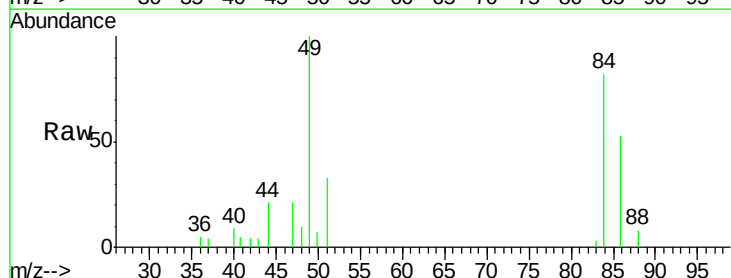
Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#01

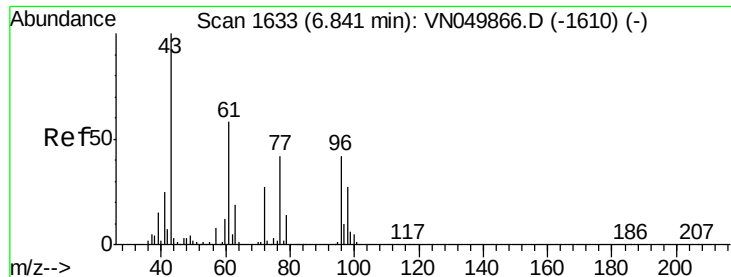
Tgt Ion: 43 Resp: 18805
Ion Ratio Lower Upper
43 100
74 25.4 19.8 29.8



#20
Methylene Chloride
Concen: 1.808 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN050005.D
Acq: 23 Jul 2018 11:37

Tgt Ion: 84 Resp: 14619
Ion Ratio Lower Upper
84 100
49 122.7 95.4 143.2
51 40.3 28.4 42.6
86 65.4 52.6 79.0





#25

2-Butanone

Concen: 11.074 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

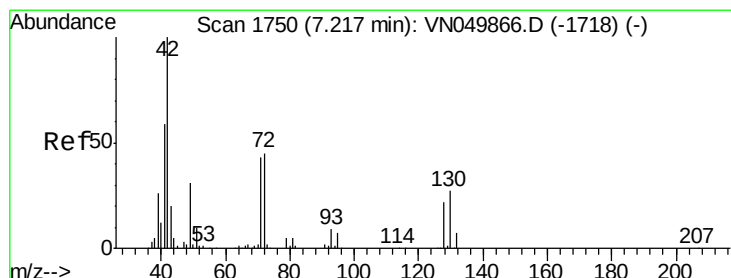
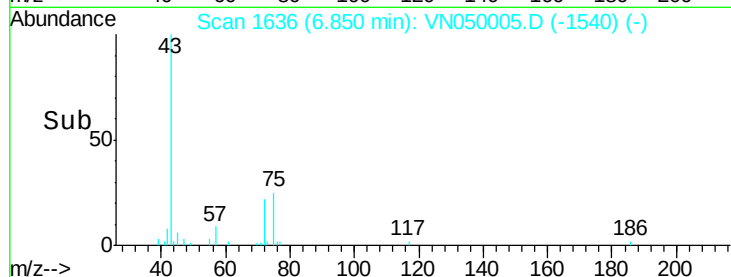
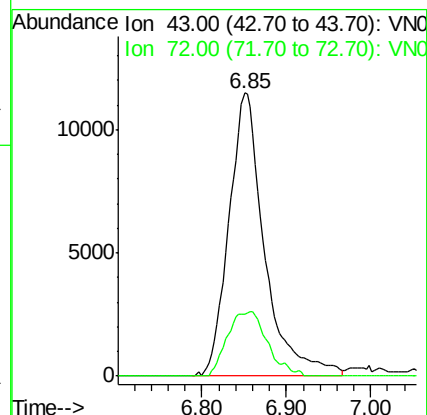
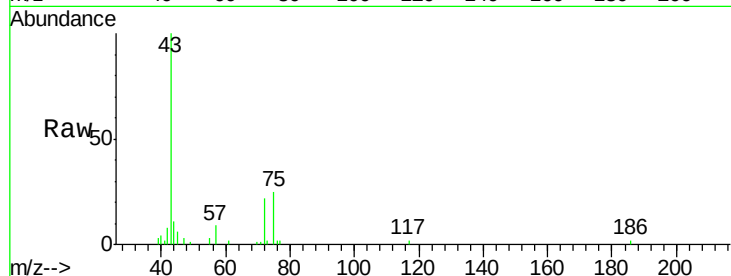
PB111341ZHE#01

Tgt Ion: 43 Resp: 33651

Ion Ratio Lower Upper

43 100

72 21.7 22.1 33.1#



#29

Tetrahydrofuran

Concen: 8.642 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

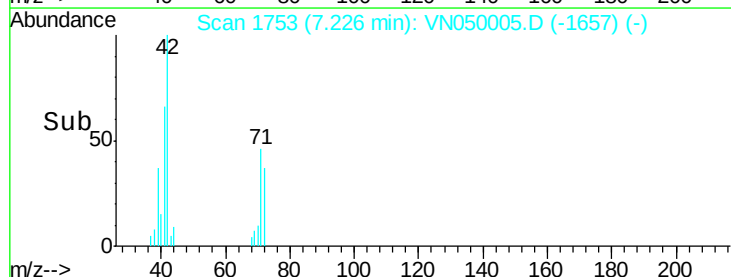
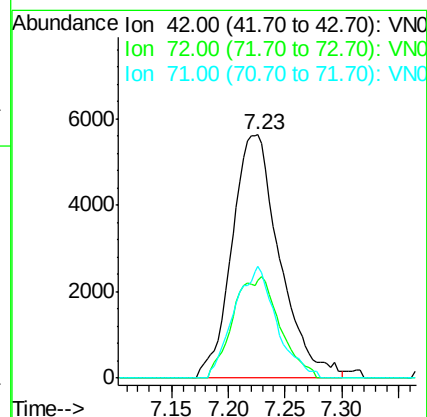
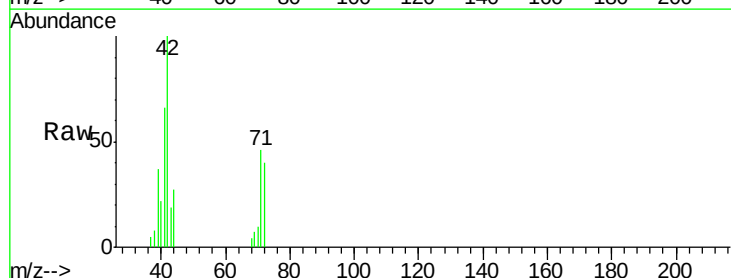
Tgt Ion: 42 Resp: 16542

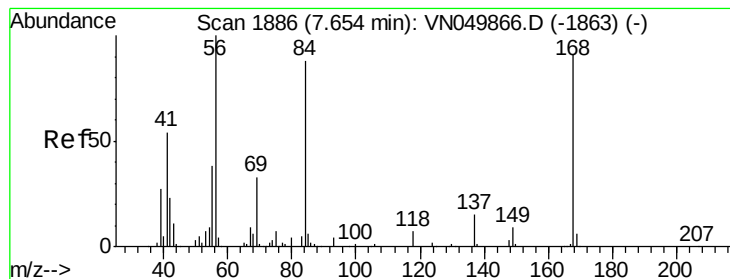
Ion Ratio Lower Upper

42 100

72 40.7 35.6 53.4

71 40.7 34.0 51.0





#31

Cyclohexane

Concen: 0.995 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#01

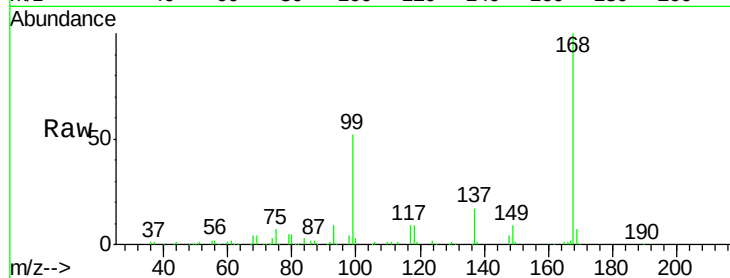
Tgt Ion: 56 Resp: 10884

Ion Ratio Lower Upper

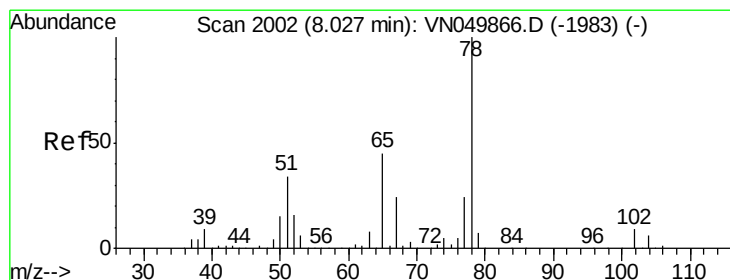
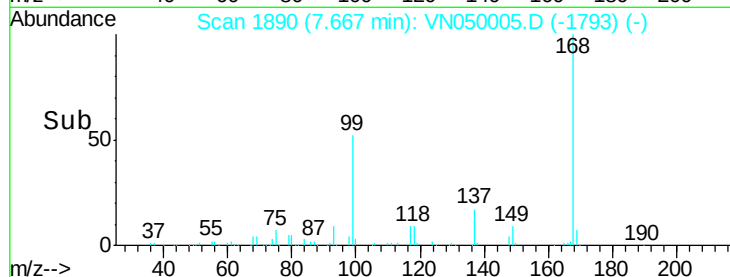
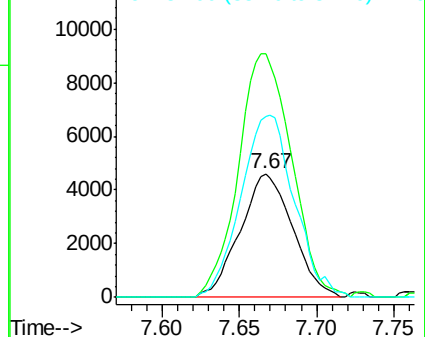
56 100

69 196.8 26.6 40.0#

84 146.5 69.0 103.6#



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: 51.742 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050005.D

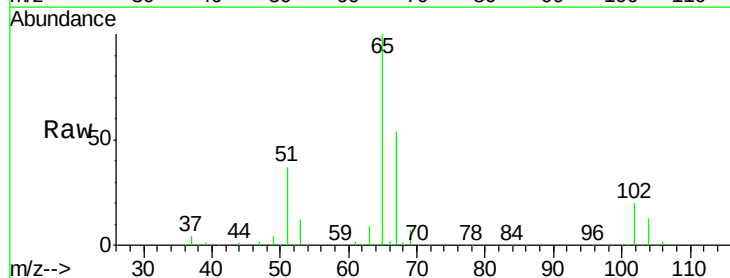
Acq: 23 Jul 2018 11:37

Tgt Ion: 65 Resp: 424903

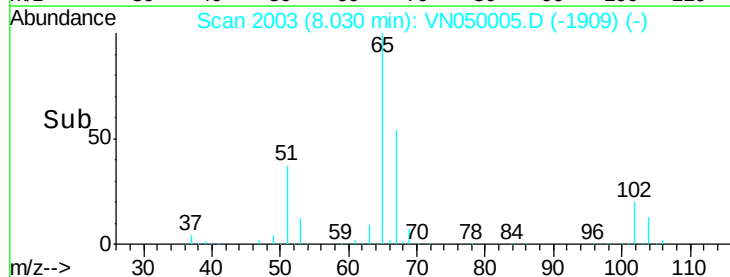
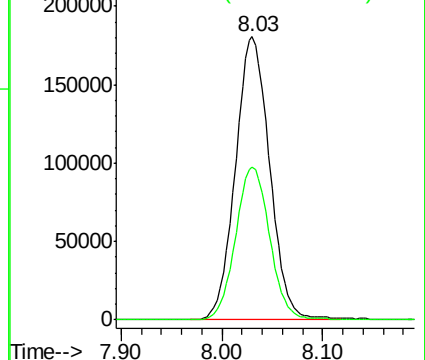
Ion Ratio Lower Upper

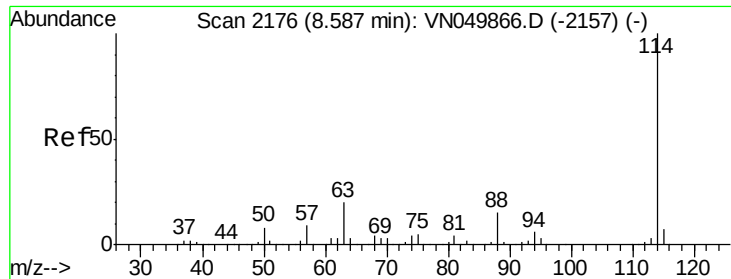
65 100

67 53.8 0.0 107.2



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

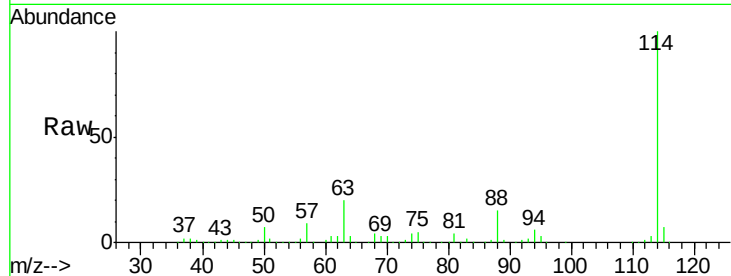




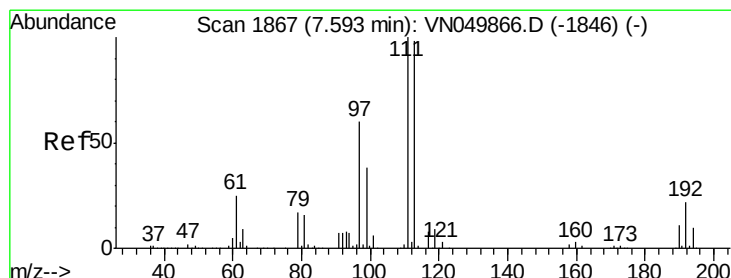
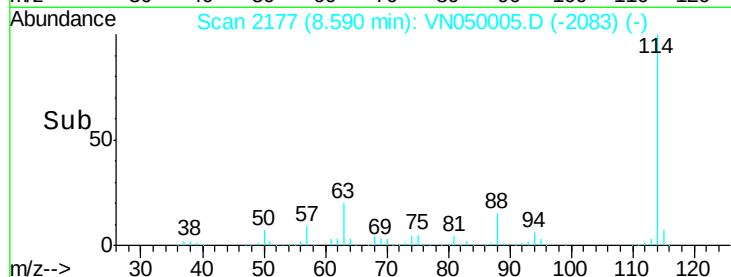
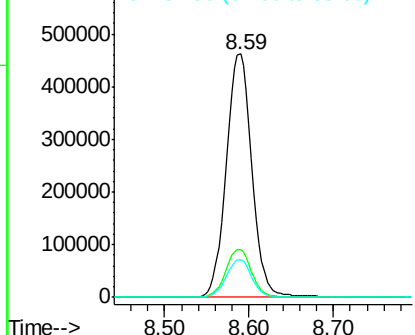
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050005.D
 Acq: 23 Jul 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111341ZHE#01

Tgt Ion:114 Resp: 977158
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.3 0.0 30.6

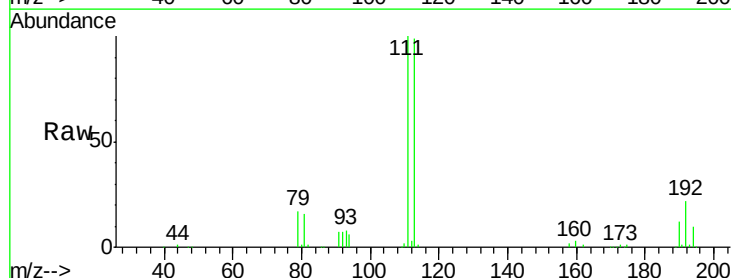


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

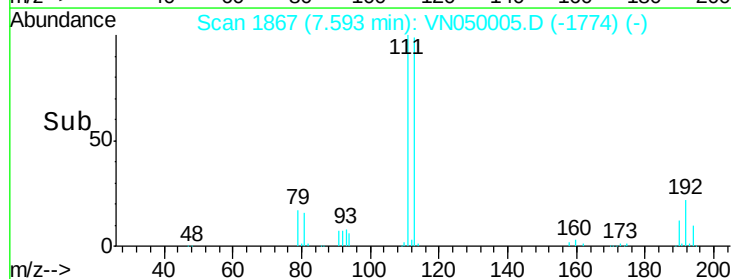
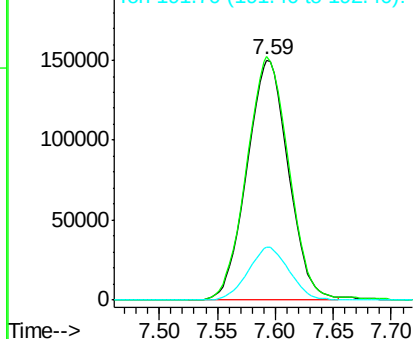


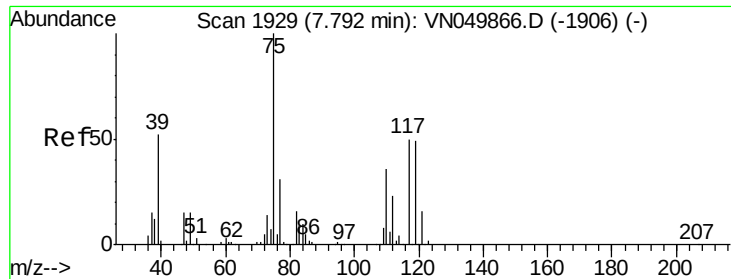
#35
 Dibromofluoromethane
 Concen: 45.447 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050005.D
 Acq: 23 Jul 2018 11:37

Tgt Ion:113 Resp: 372815
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 21.9 17.8 26.6



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

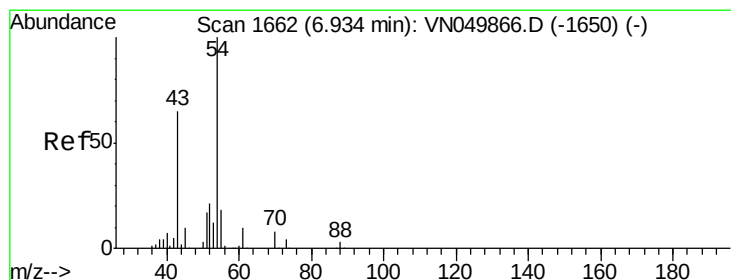
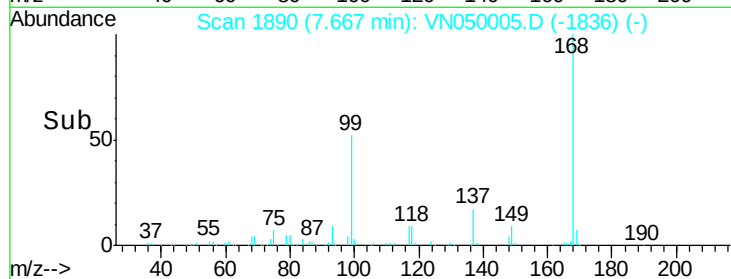
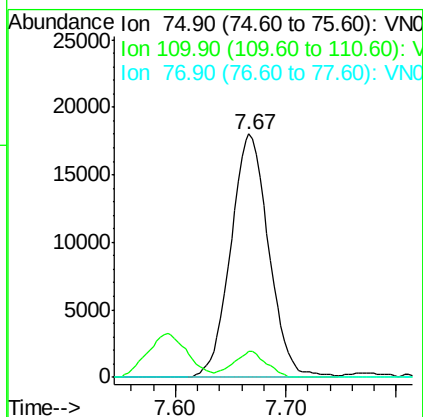
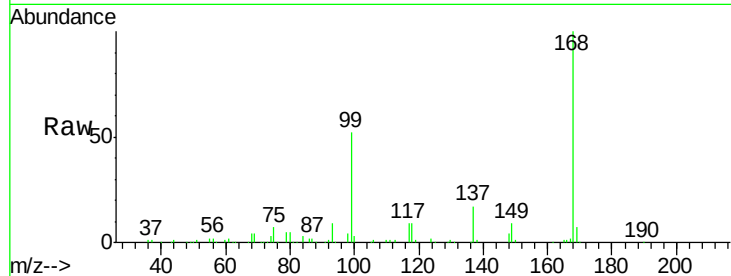




#36
 1,1-Dichloropropene
 Concen: 3.960 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050005.D
 Acq: 23 Jul 2018 11:37

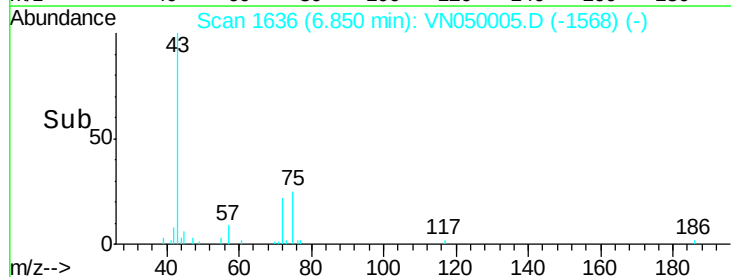
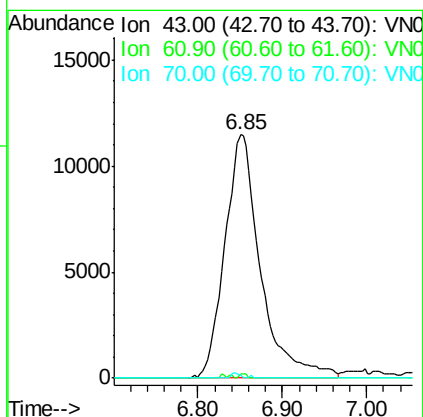
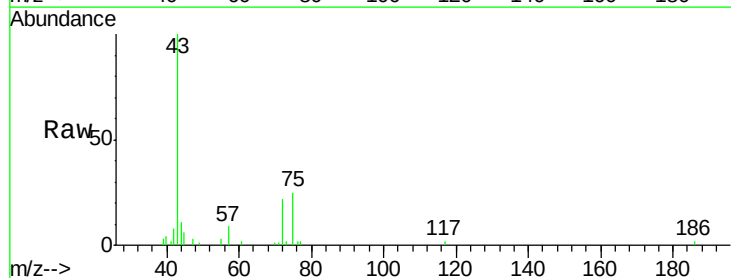
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111341ZHE#01

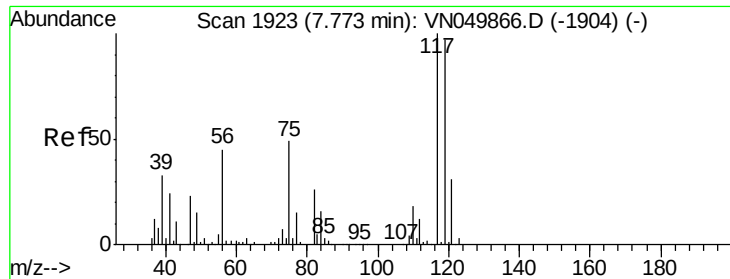
Tgt Ion: 75 Resp: 43022
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.4#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 4.510 ug/l
 RT: 6.85 min Scan# 1636
 Delta R.T. -0.08 min
 Lab File: VN050005.D
 Acq: 23 Jul 2018 11:37

Tgt Ion: 43 Resp: 33651
 Ion Ratio Lower Upper
 43 100
 61 0.3 11.7 17.5#
 70 0.5 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 4.624 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#01

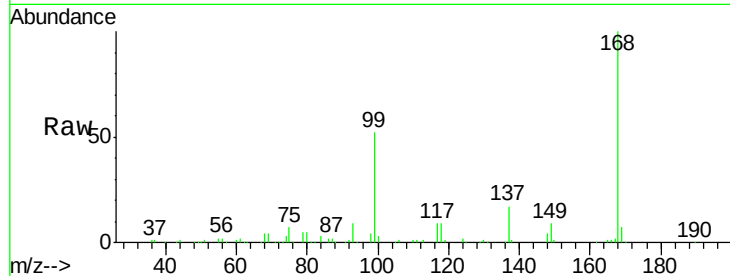
Tgt Ion: 117 Resp: 53810

Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

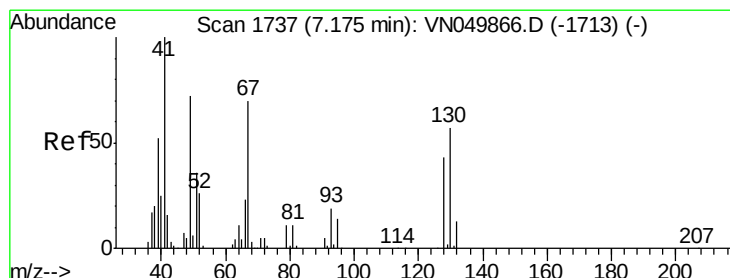
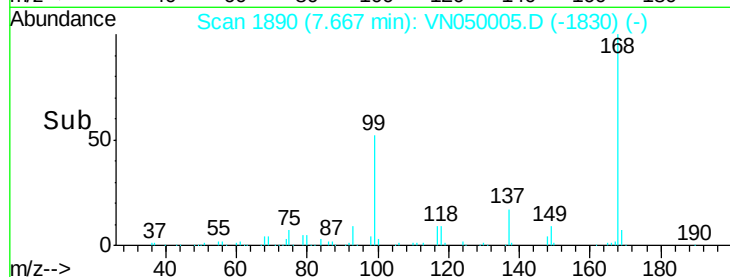
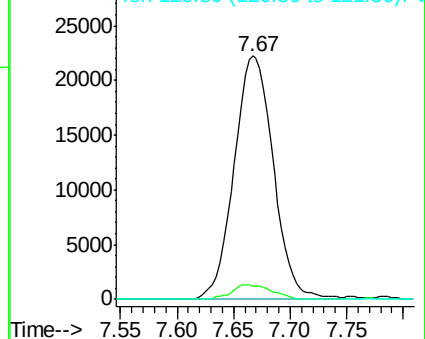
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.895 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.04 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Tgt Ion: 41 Resp: 10828

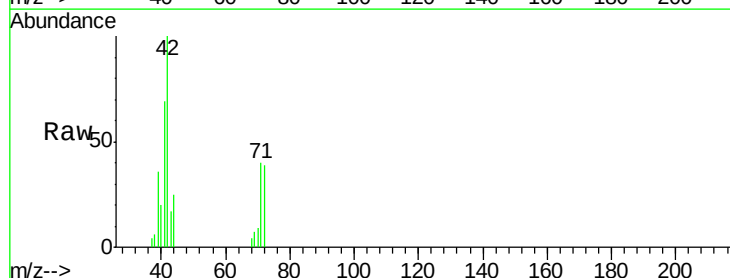
Ion Ratio Lower Upper

41 100

39 57.5 45.4 68.2

67 0.0 65.4 98.0#

52 0.0 24.7 37.1#

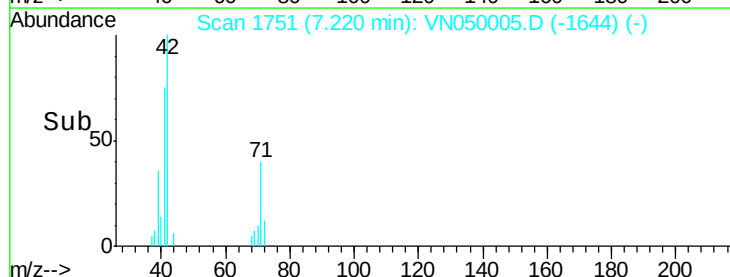
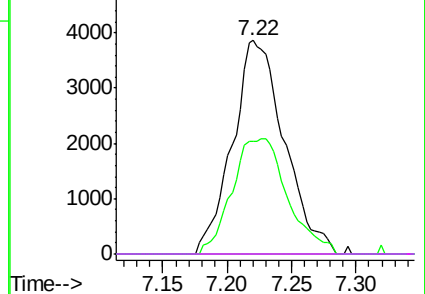


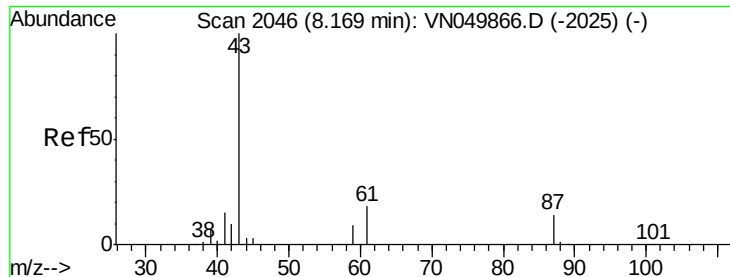
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 19.730 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#01

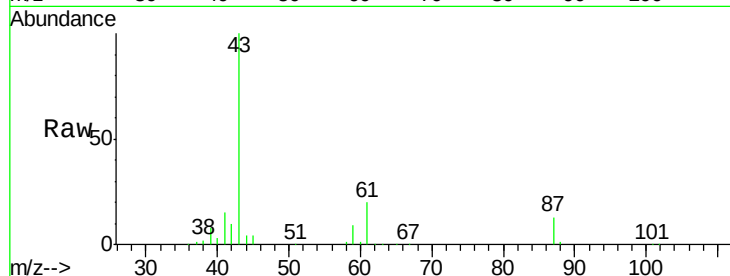
Tgt Ion: 43 Resp: 257168

Ion Ratio Lower Upper

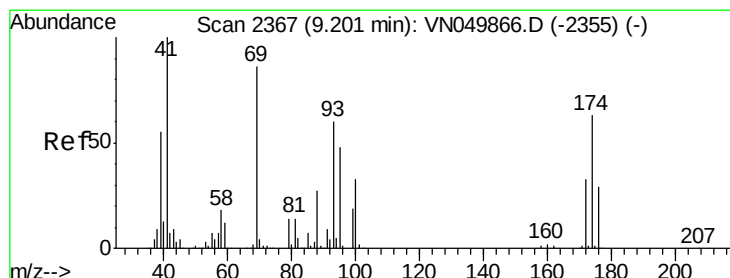
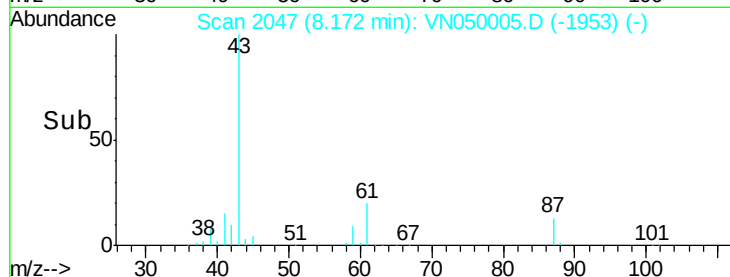
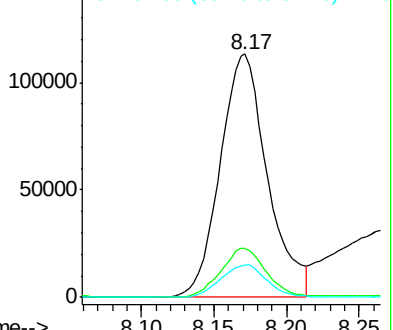
43 100

61 19.8 14.9 22.3

87 13.0 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.324 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

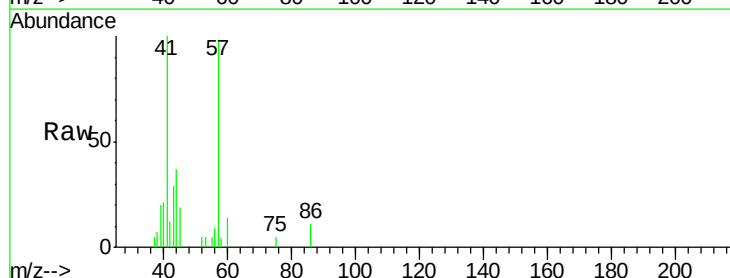
Tgt Ion: 41 Resp: 8654

Ion Ratio Lower Upper

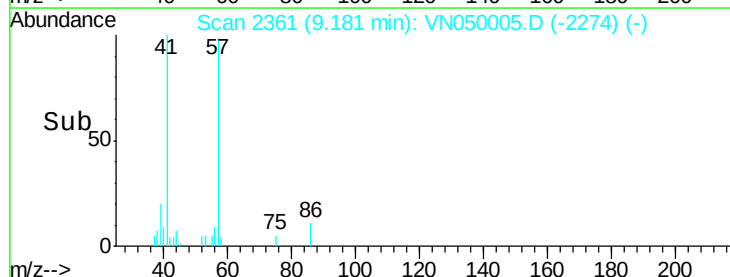
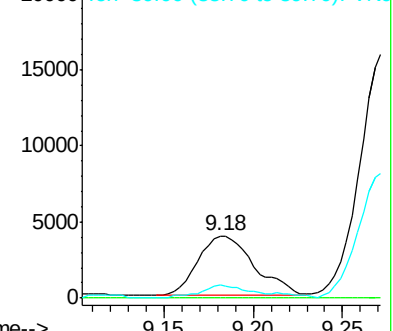
41 100

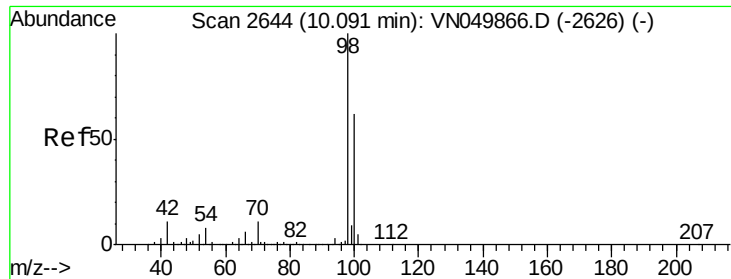
69 0.0 71.5 107.3#

39 22.4 44.7 67.1#



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

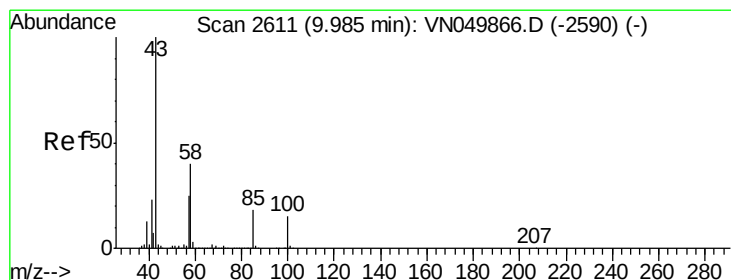
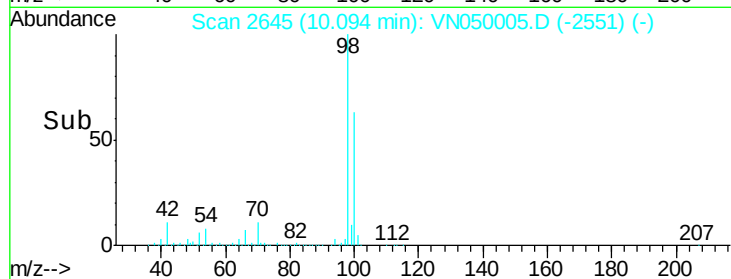
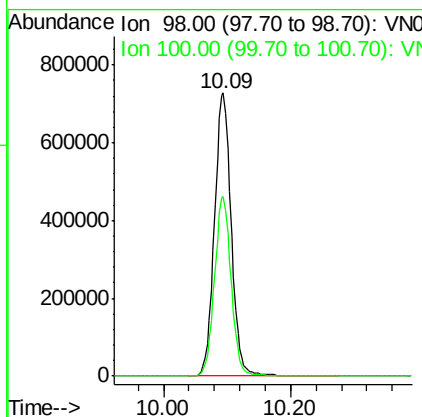
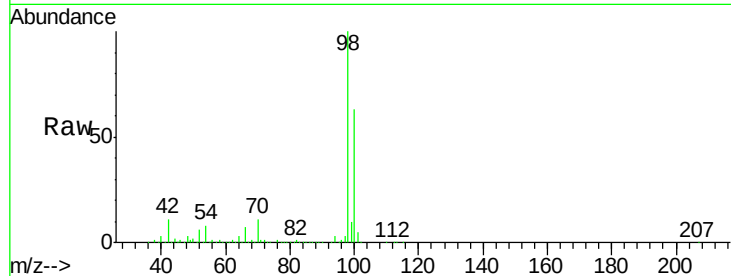




#50
Toluene-d8
Concen: 44.515 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050005.D
Acq: 23 Jul 2018 11:37

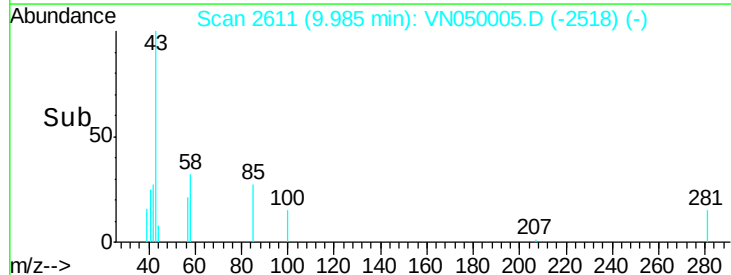
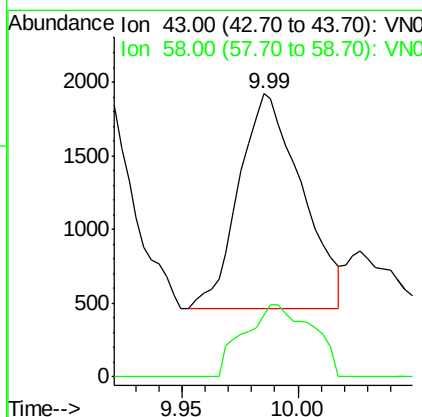
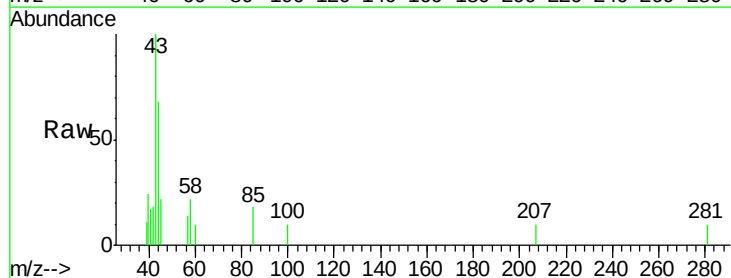
Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#01

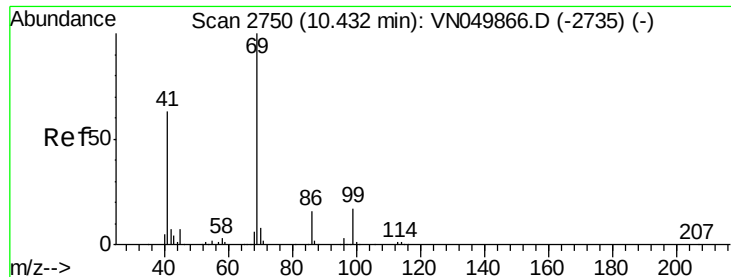
Tgt Ion: 98 Resp: 1330518
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.378 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050005.D
Acq: 23 Jul 2018 11:37

Tgt Ion: 43 Resp: 2757
Ion Ratio Lower Upper
43 100
58 36.1 31.8 47.8





#56

Ethyl methacrylate

Concen: 2.369 ug/l

RT: 10.23 min Scan# 2688

Delta R.T. -0.20 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#01

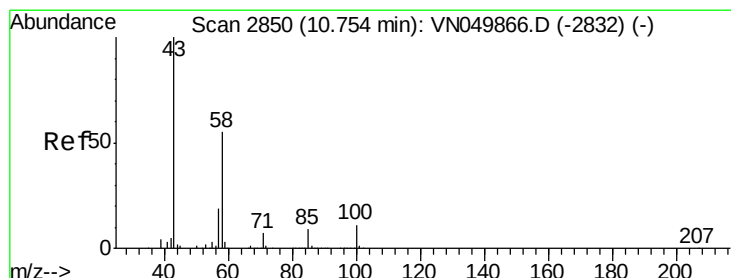
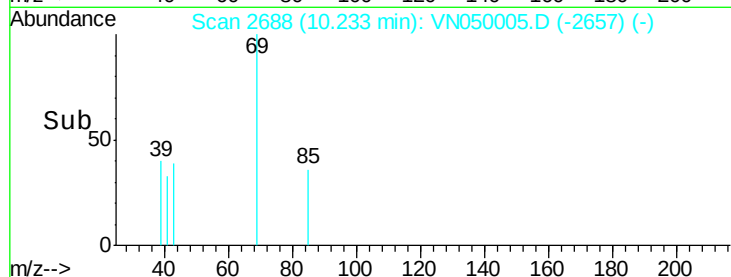
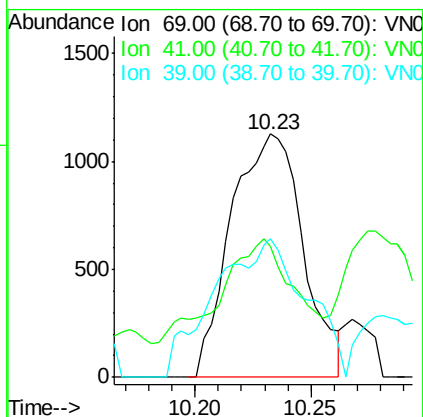
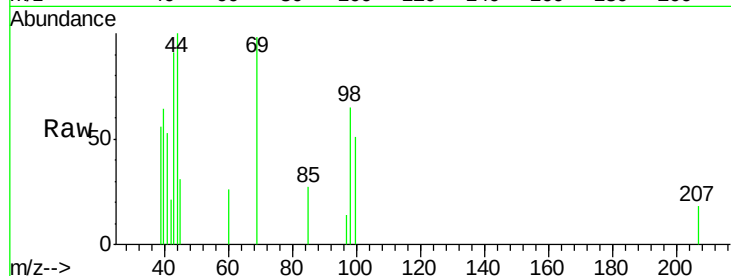
Tgt Ion: 69 Resp: 2426

Ion Ratio Lower Upper

69 100

41 71.1 51.6 77.4

39 72.7 25.8 38.8#



#59

2-Hexanone

Concen: 4.351 ug/l

RT: 10.77 min Scan# 2855

Delta R.T. 0.02 min

Lab File: VN050005.D

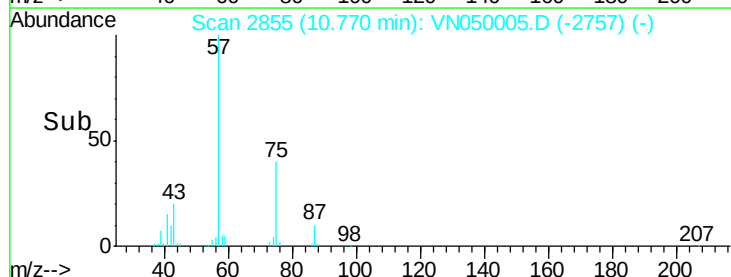
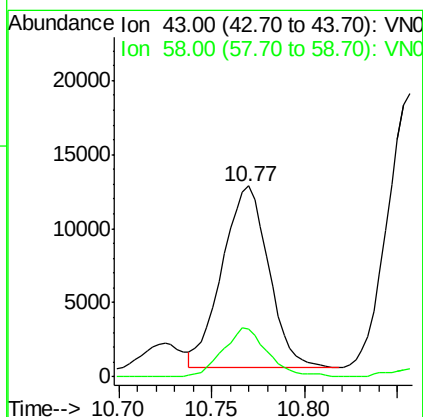
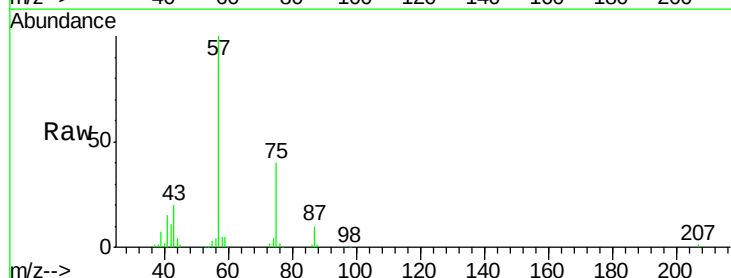
Acq: 23 Jul 2018 11:37

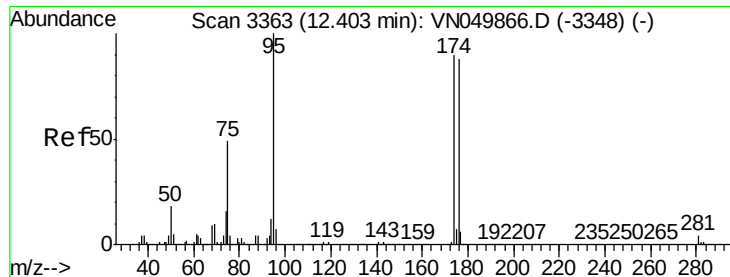
Tgt Ion: 43 Resp: 21292

Ion Ratio Lower Upper

43 100

58 26.3 27.8 83.4#

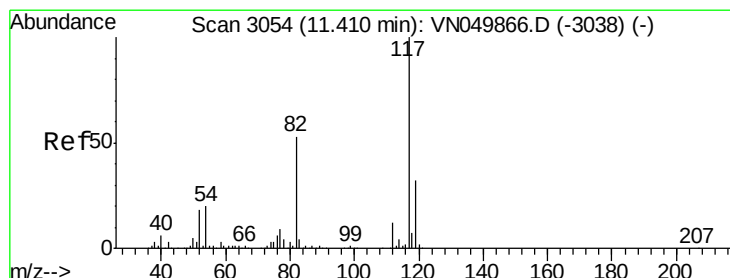
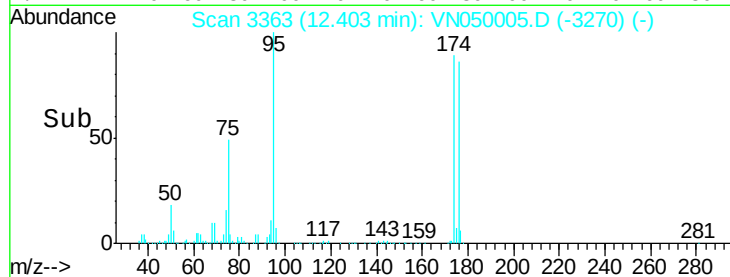
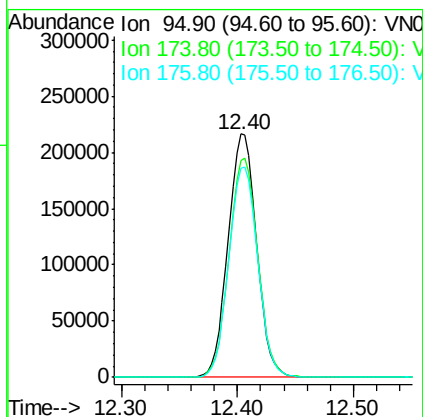
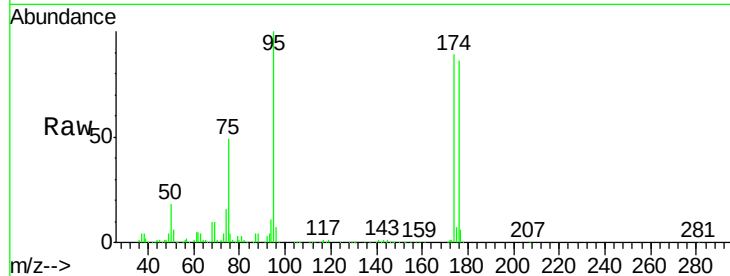




#62
4-Bromofluorobenzene
Concen: 35.648 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050005.D
Acq: 23 Jul 2018 11:37

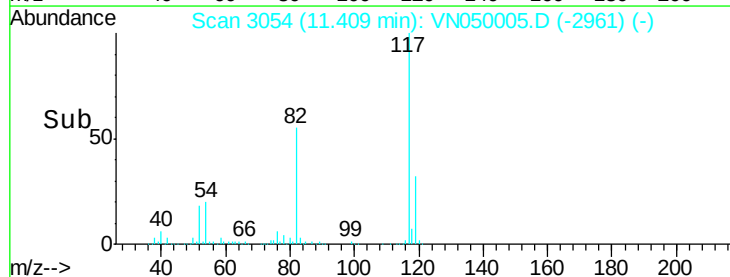
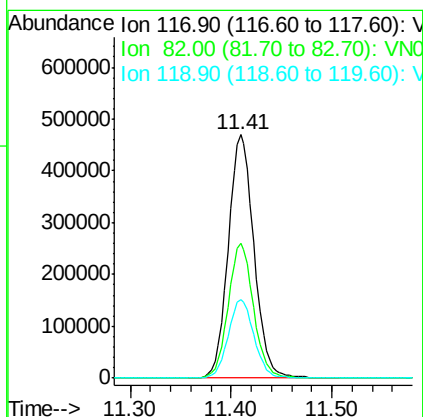
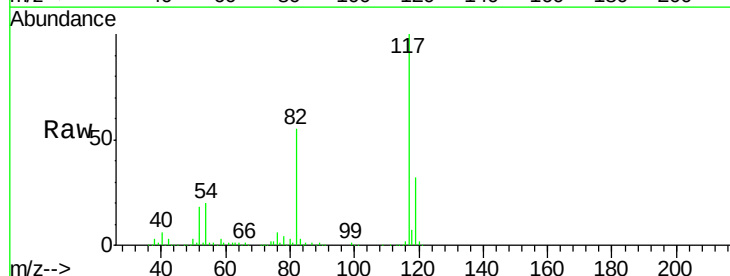
Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#01

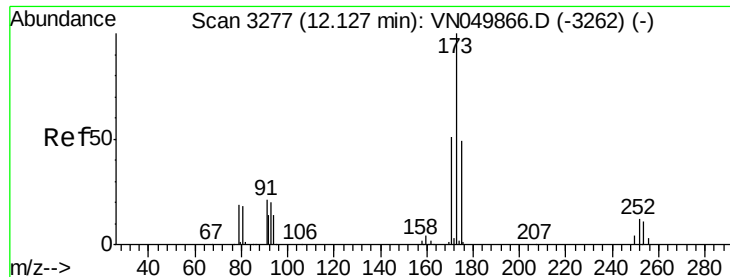
Tgt Ion: 95 Resp: 366945
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.6
176 87.5 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050005.D
Acq: 23 Jul 2018 11:37

Tgt Ion: 117 Resp: 835093
Ion Ratio Lower Upper
117 100
82 55.2 41.9 62.9
119 32.4 25.4 38.2

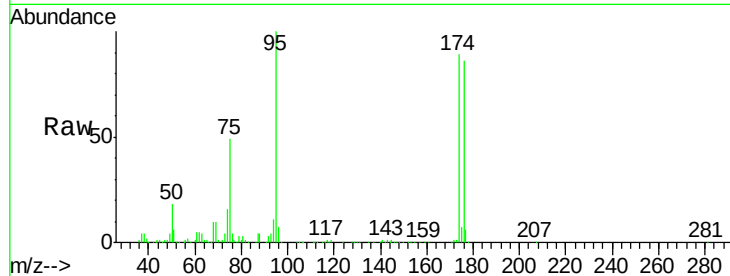




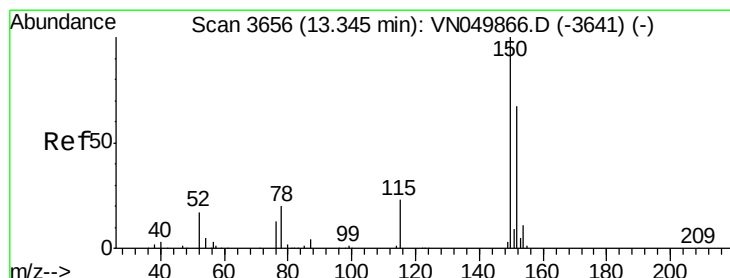
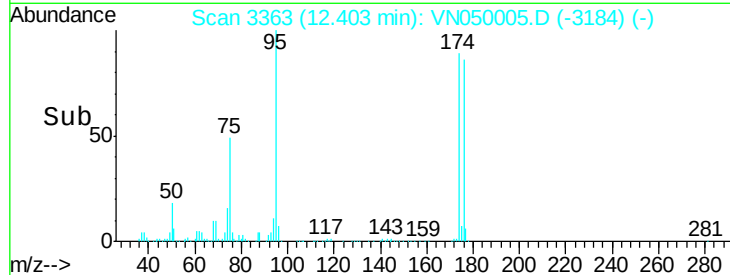
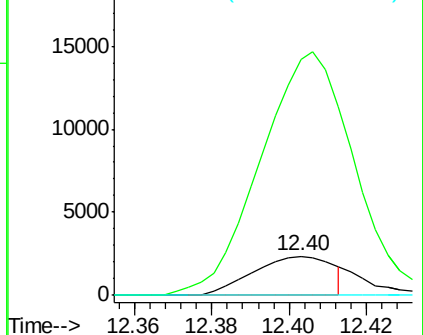
#71
 Bromoform
 Concen: 0.577 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.28 min
 Lab File: VN050005.D
 Acq: 23 Jul 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111341ZHE#01

Tgt Ion:173 Resp: 3352
 Ion Ratio Lower Upper
 173 100
 175 589.2 24.6 73.8#
 254 0.0 0.2 0.2#

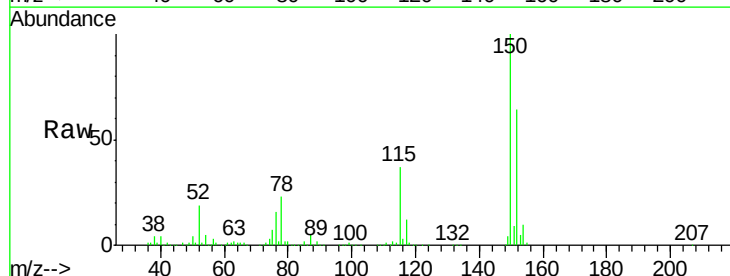


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

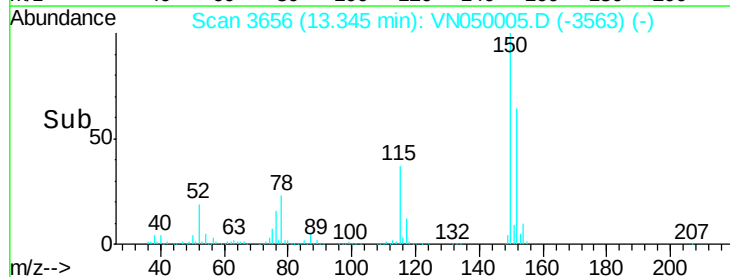
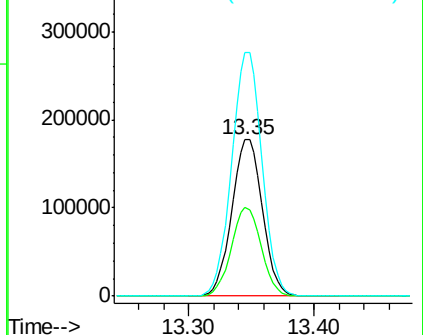


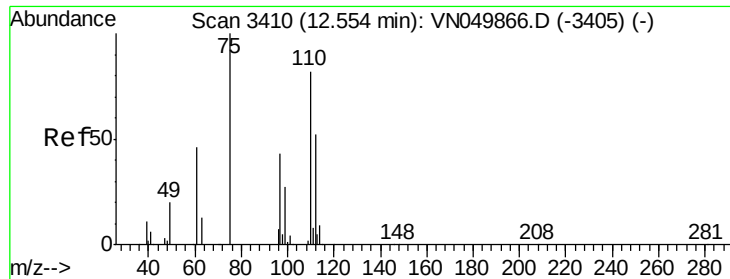
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050005.D
 Acq: 23 Jul 2018 11:37

Tgt Ion:152 Resp: 300684
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.1 84.2
 150 154.3 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





#76

1,2,3-Trichloropropane

Concen: 31.865 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

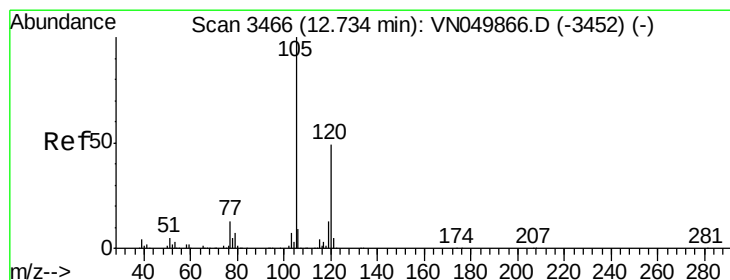
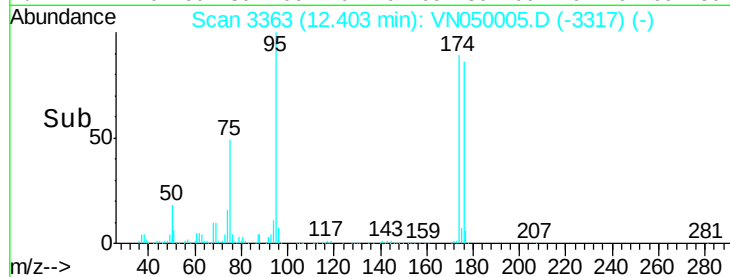
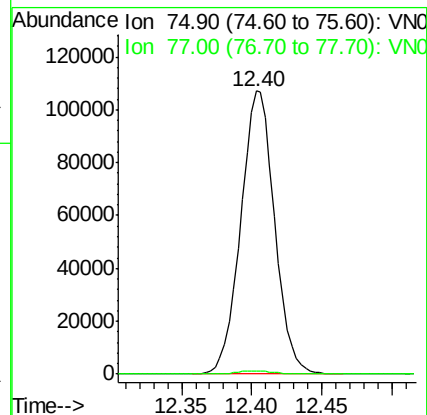
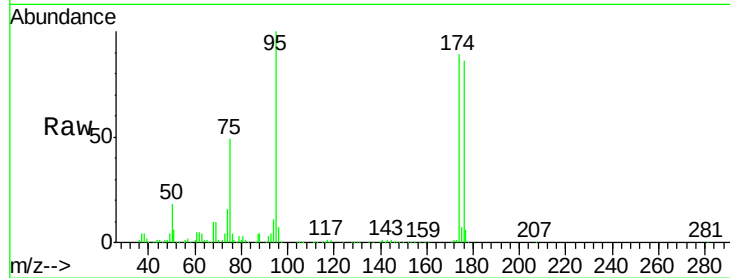
PB111341ZHE#01

Tgt Ion: 75 Resp: 179734

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.233 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050005.D

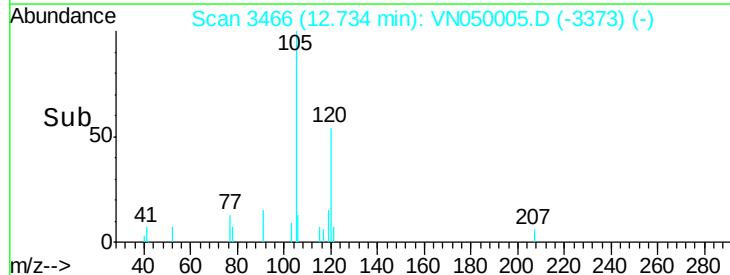
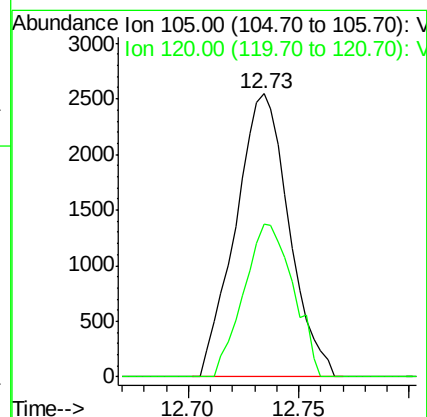
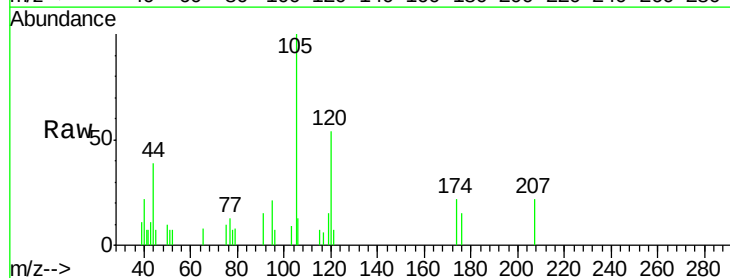
Acq: 23 Jul 2018 11:37

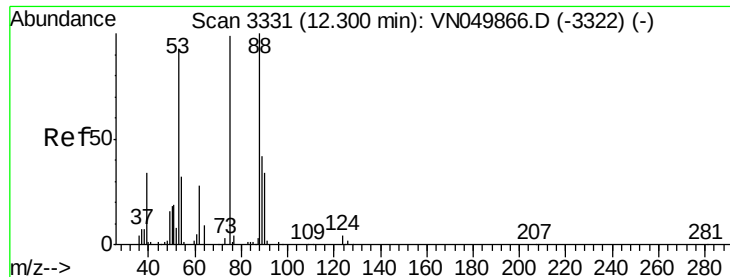
Tgt Ion: 105 Resp: 4274

Ion Ratio Lower Upper

105 100

120 49.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 99.640 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#01

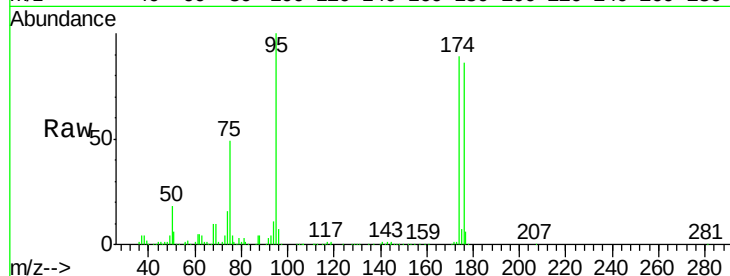
Tgt Ion: 75 Resp: 179734

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

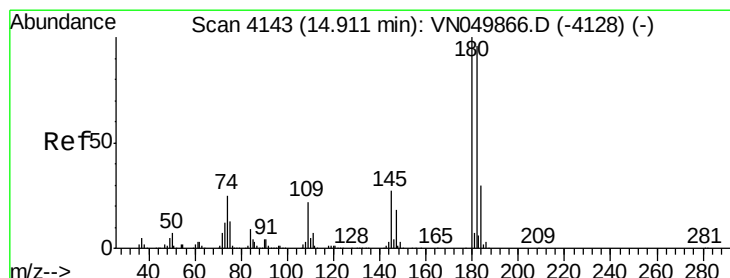
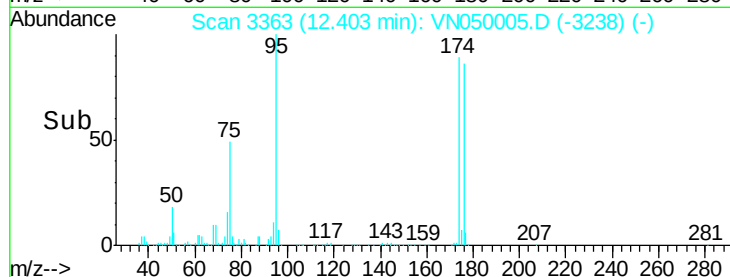
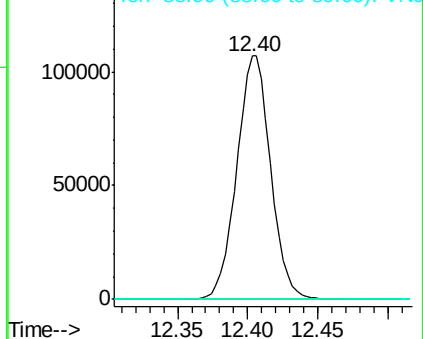
89 0.0 35.9 53.9#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.632 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN050005.D

Acq: 23 Jul 2018 11:37

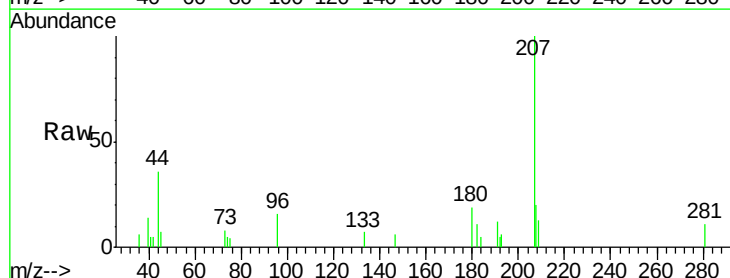
Tgt Ion: 180 Resp: 997

Ion Ratio Lower Upper

180 100

182 68.0 47.3 141.9

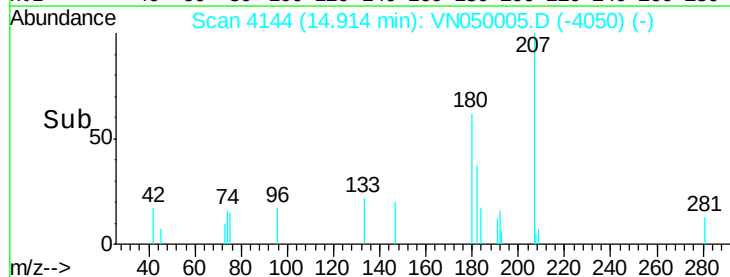
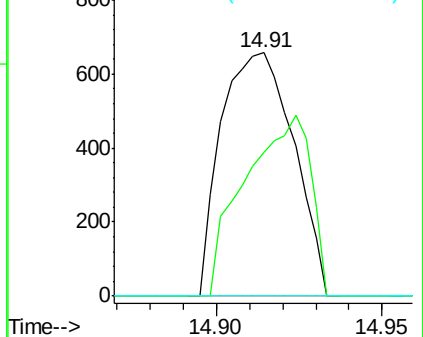
145 0.0 14.4 43.0#

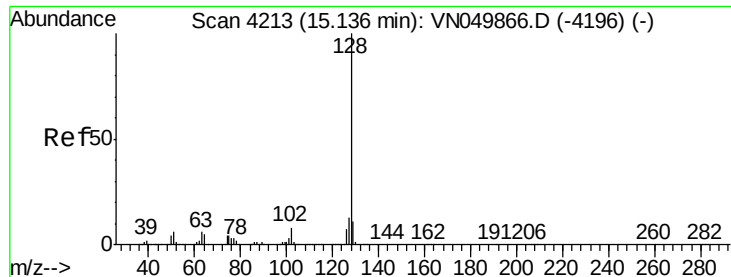


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

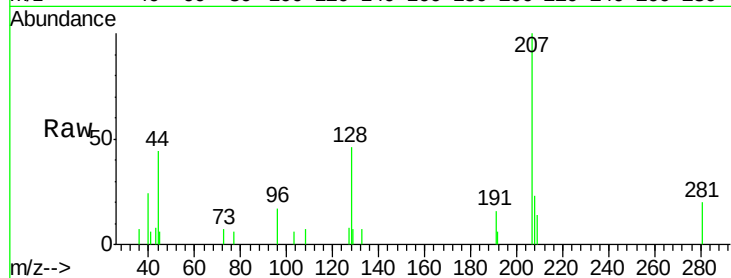




#95
Naphthalene
Concen: 4.647 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050005.D
Acq: 23 Jul 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#01

Tgt Ion:128 Resp: 2434
Ion Ratio Lower Upper
128 100
127 6.2 10.4 15.6#
129 9.1 8.6 13.0



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

