

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072318\
 Data File : VN050006.D
 Acq On : 23 Jul 2018 12:03
 Operator : MD\SY
 Sample : PB111341ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111341ZHE#02

Quant Time: Jul 24 04:13:02 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	605406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	836356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	428349	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	7.59	113	376775	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	
50) Toluene-d8	10.09	98	1358597	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	
62) 4-Bromofluorobenzene	12.40	95	341660	32.45	ug/l	0.00
Spiked Amount			Recovery	=	64.90%	

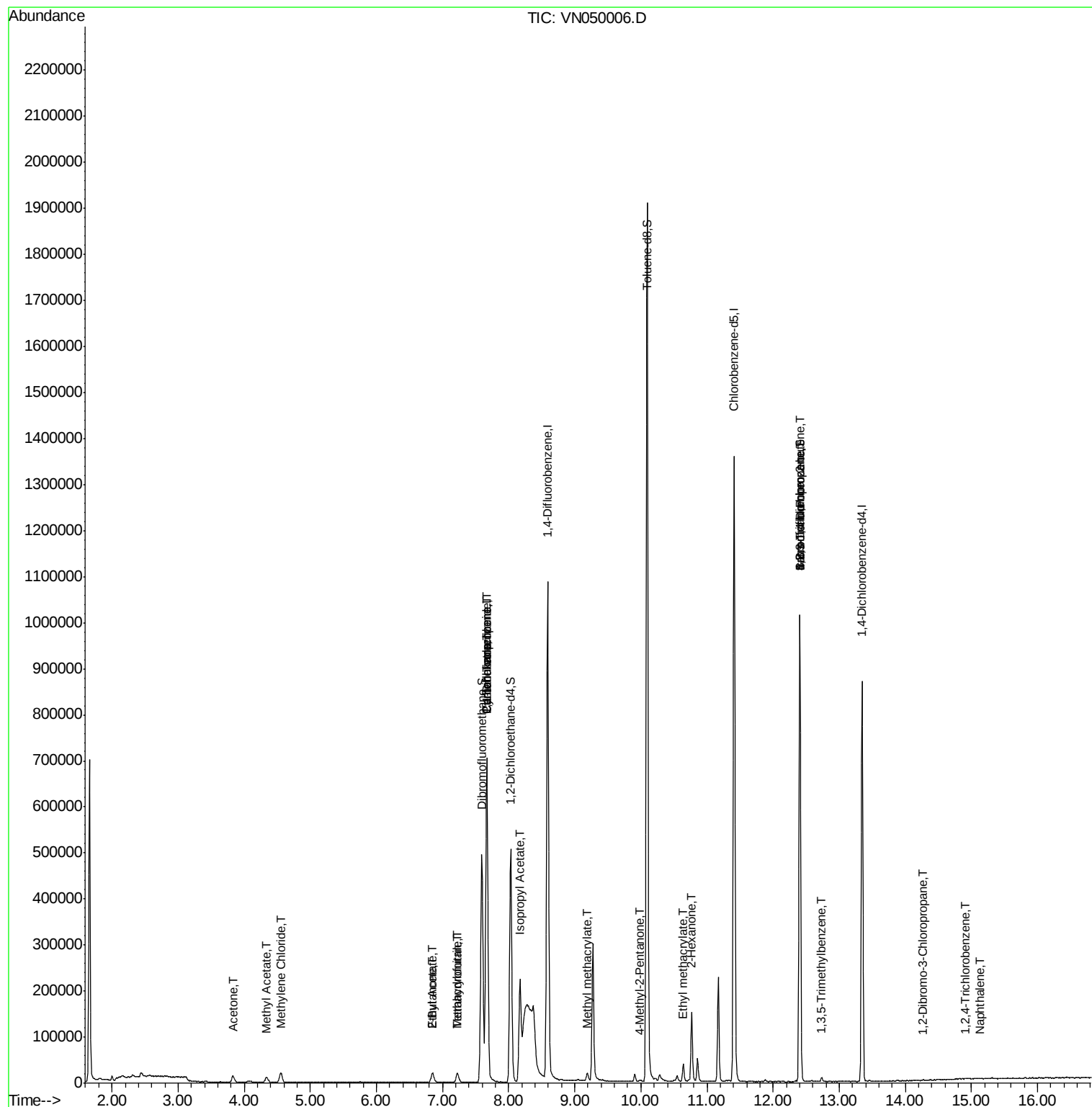
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1653	Below Cal		84
16) Acetone	3.83	43	25139	11.669	ug/l	100
18) Methyl Acetate	4.33	43	20920	2.303	ug/l #	71
20) Methylene Chloride	4.55	84	15231	1.859	ug/l	93
25) 2-Butanone	6.85	43	33284	10.810	ug/l	96
29) Tetrahydrofuran	7.22	42	16283	8.395	ug/l #	82
31) Cyclohexane	7.67	56	11854	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43898	3.950	ug/l #	49
37) Ethyl Acetate	6.85	43	33284	4.362	ug/l #	68
38) Carbon Tetrachloride	7.67	117	56216	4.723	ug/l #	17
41) Methacrylonitrile	7.22	41	10106	2.642	ug/l #	42
43) Isopropyl Acetate	8.17	43	280828	21.065	ug/l	100
48) Methyl methacrylate	9.19	41	9127	1.365	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2086	0.280	ug/l	96
56) Ethyl methacrylate	10.64	69	531	2.203	ug/l #	1
59) 2-Hexanone	10.77	43	22344	4.464	ug/l #	55
71) Bromoform	12.40	173	3040	0.522	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	162773	35.430	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4168	0.280	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	162773	110.787	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	227	0.264	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	396	3.552	ug/l #	50
95) Naphthalene	15.14	128	905	4.562	ug/l #	69

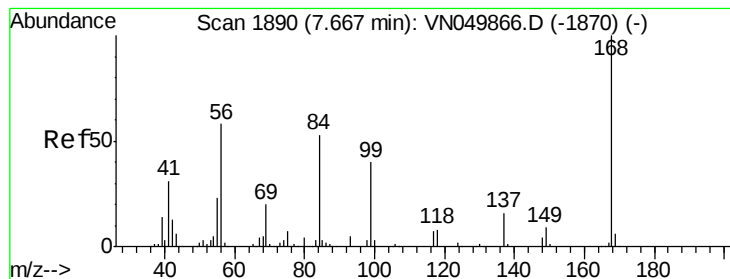
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN072318\
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Acq On : 23 Jul 2018 12:03
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jul 24 04:13:02 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# 1891

Delta R.T. 0.00 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

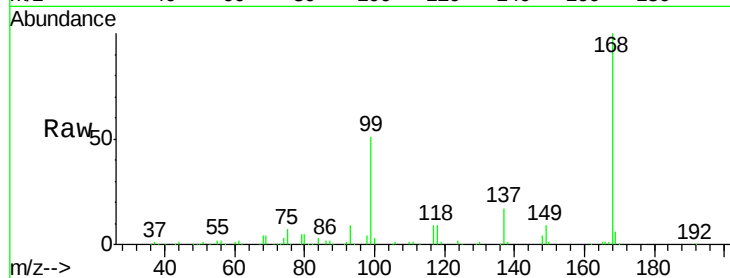
PB111341ZHE#02

Tgt Ion:168 Resp: 605406

Ion Ratio Lower Upper

168 100

99 51.1 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

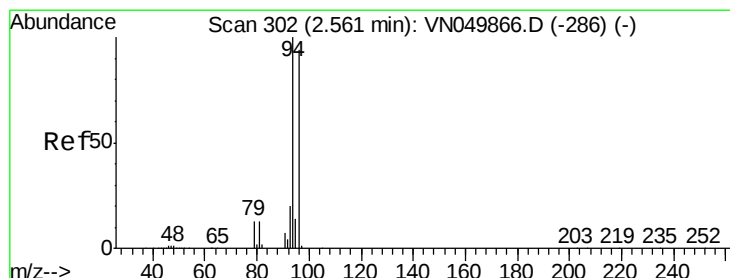
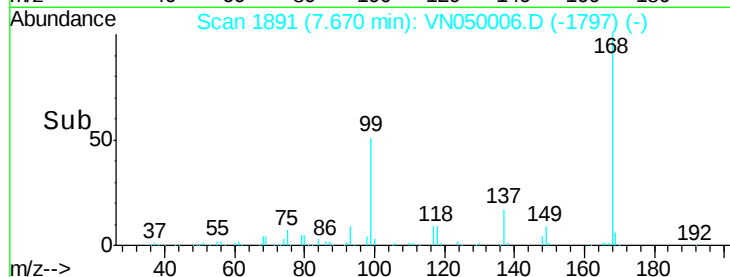
100000

50000

0

Time-->

7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050006.D

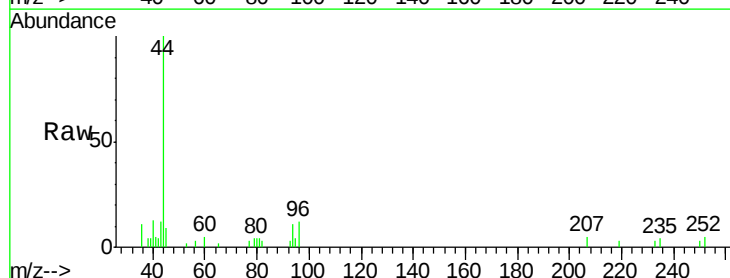
Acq: 23 Jul 2018 12:03

Tgt Ion: 94 Resp: 1653

Ion Ratio Lower Upper

94 100

96 109.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

800

600

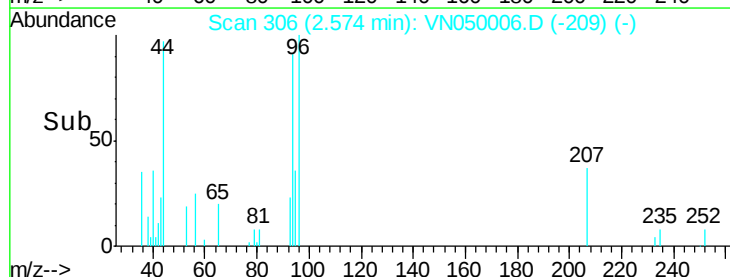
400

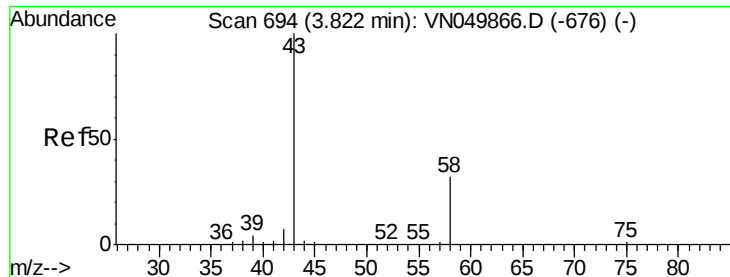
200

0

Time-->

2.55 2.60





#16

Acetone

Concen: 11.669 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

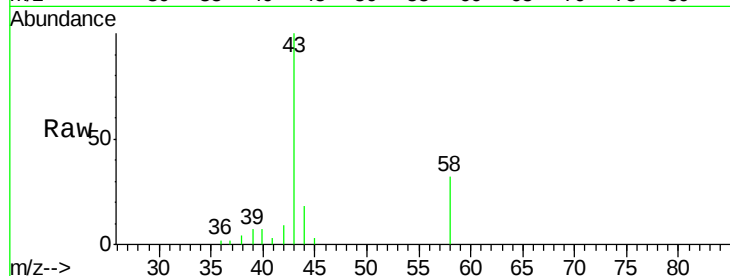
PB111341ZHE#02

Tgt Ion: 43 Resp: 25139

Ion Ratio Lower Upper

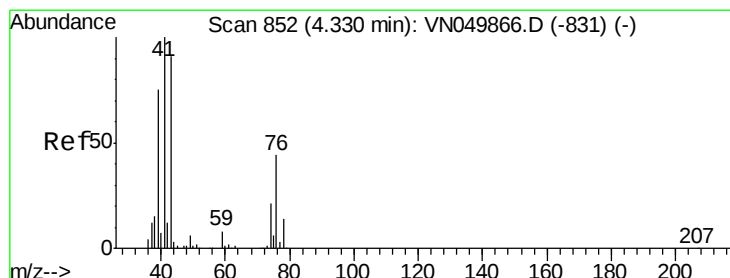
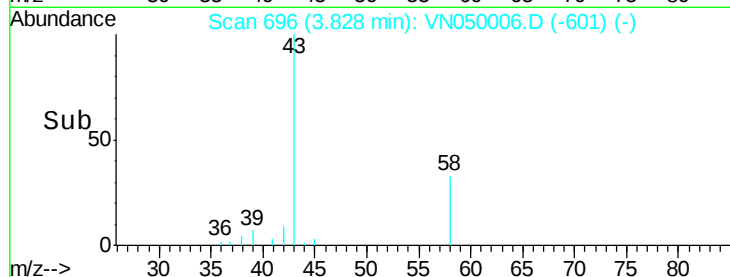
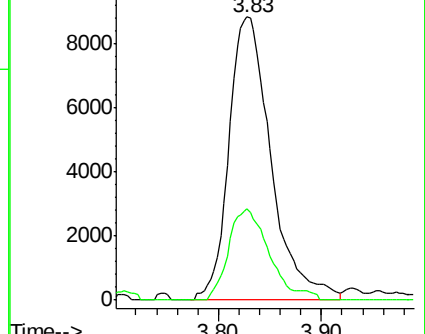
43 100

58 32.2 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: 2.303 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050006.D

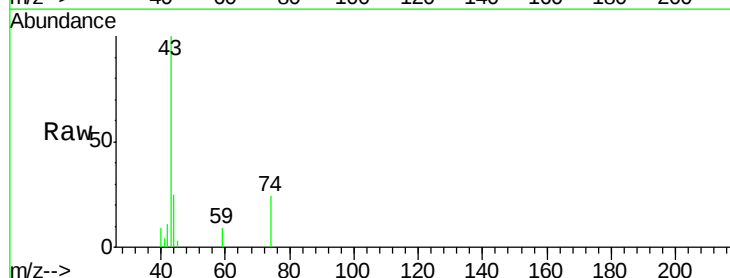
Acq: 23 Jul 2018 12:03

Tgt Ion: 43 Resp: 20920

Ion Ratio Lower Upper

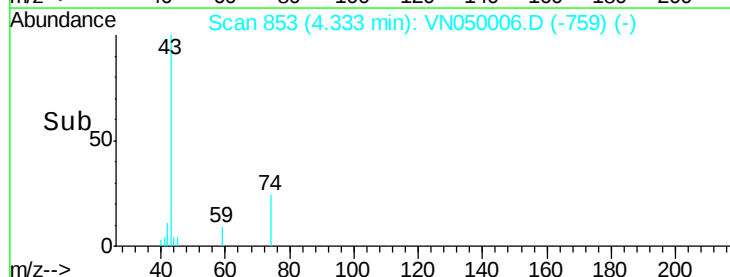
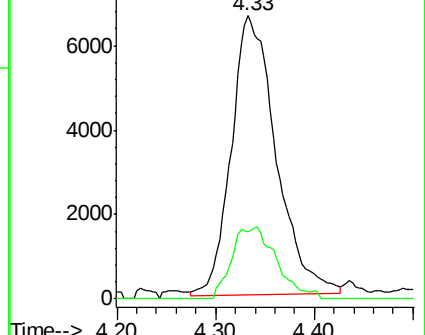
43 100

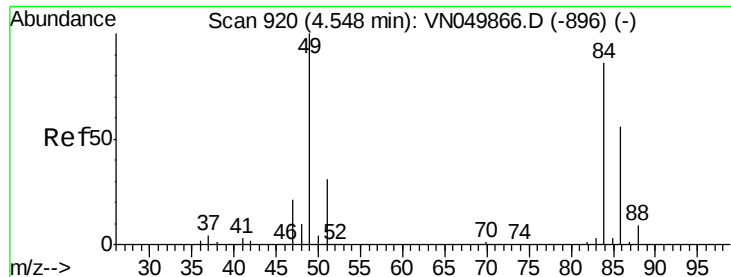
74 10.2 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

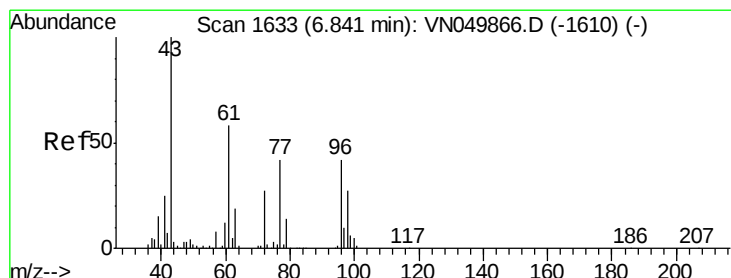
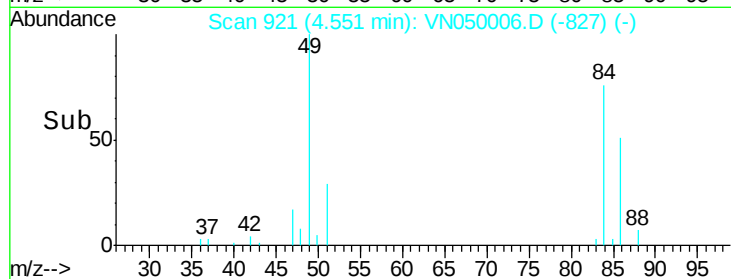
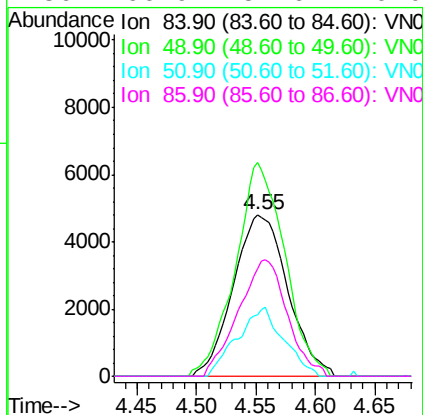
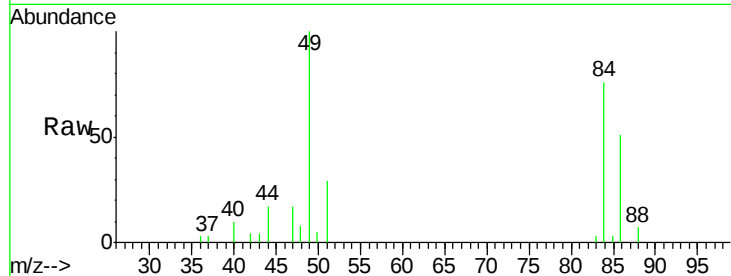




#20
Methylene Chloride
Concen: 1.859 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

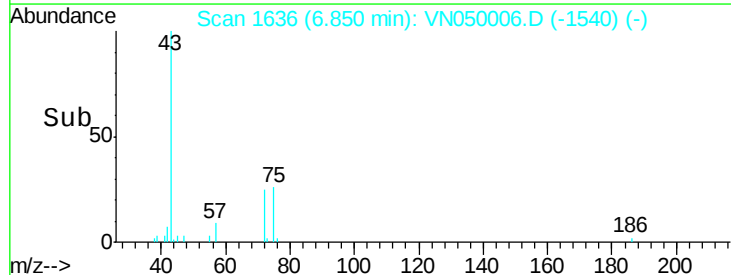
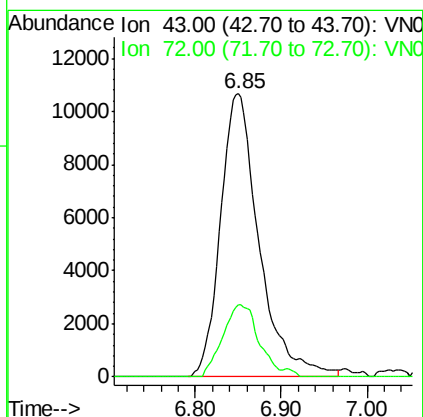
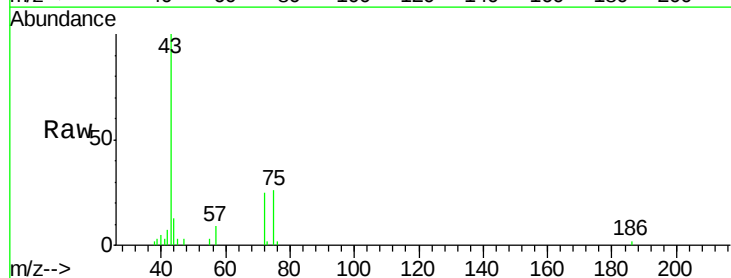
Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#02

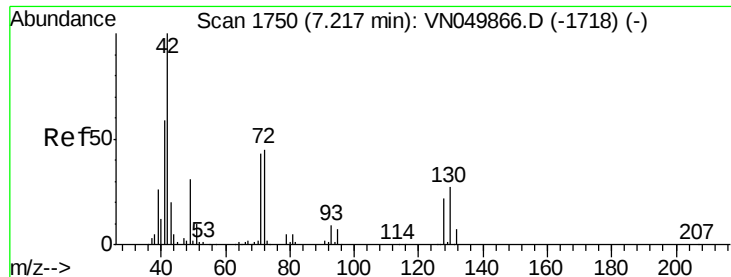
Tgt Ion: 84 Resp: 15231
Ion Ratio Lower Upper
84 100
49 132.1 95.4 143.2
51 38.1 28.4 42.6
86 66.9 52.6 79.0



#25
2-Butanone
Concen: 10.810 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

Tgt Ion: 43 Resp: 33284
Ion Ratio Lower Upper
43 100
72 25.3 22.1 33.1

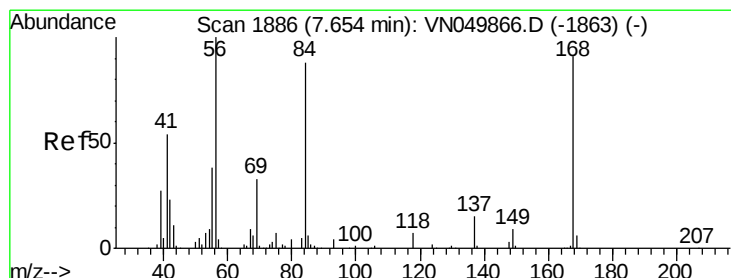
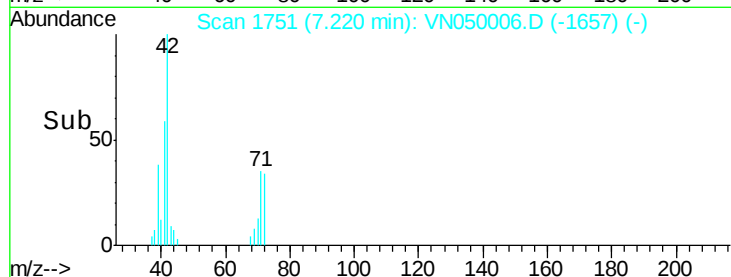
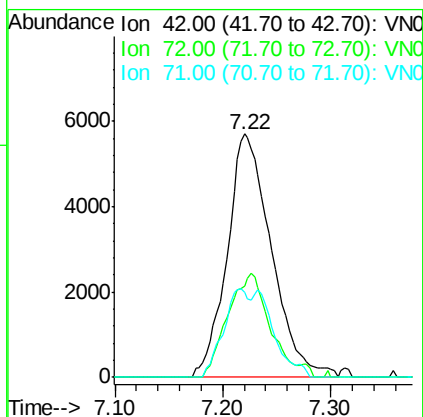
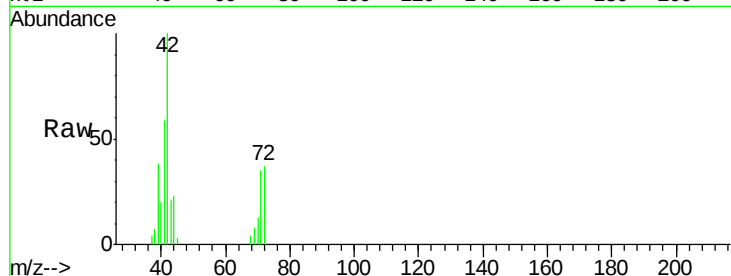




#29
Tetrahydrofuran
Concen: 8.395 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

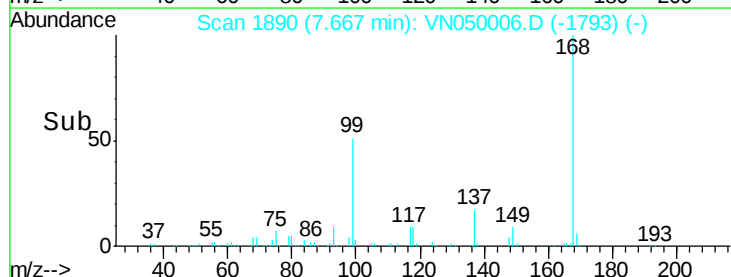
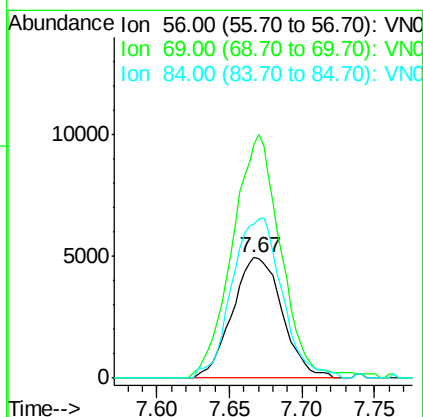
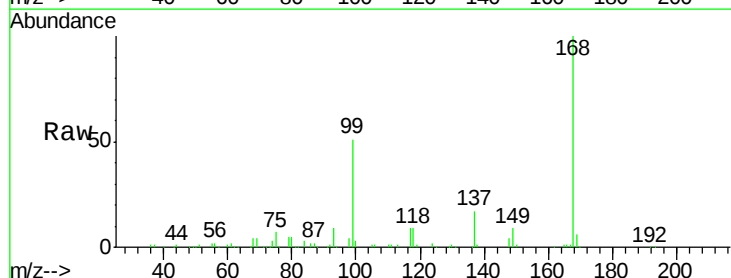
Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#02

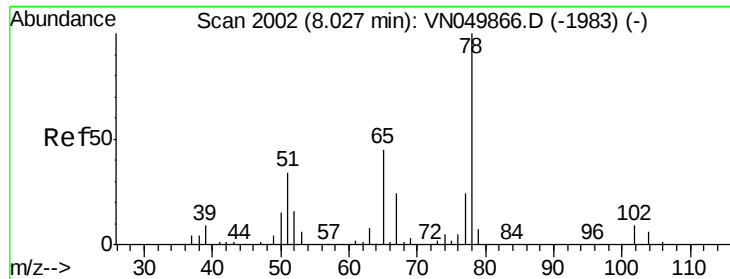
Tgt Ion: 42 Resp: 16283
Ion Ratio Lower Upper
42 100
72 41.1 35.6 53.4
71 22.0 34.0 51.0#



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

Tgt Ion: 56 Resp: 11854
Ion Ratio Lower Upper
56 100
69 194.2 26.6 40.0#
84 128.4 69.0 103.6#

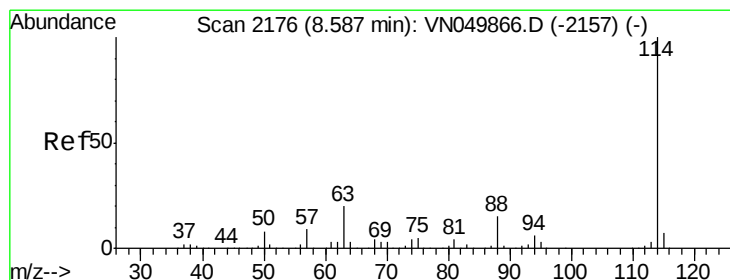
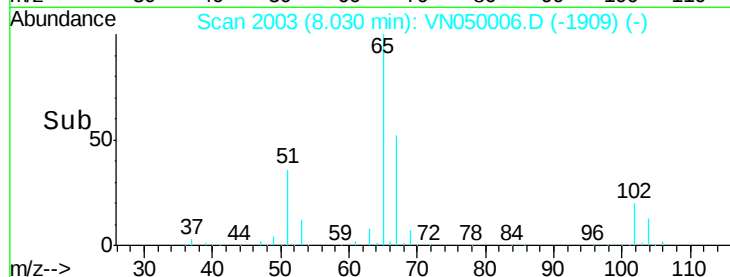
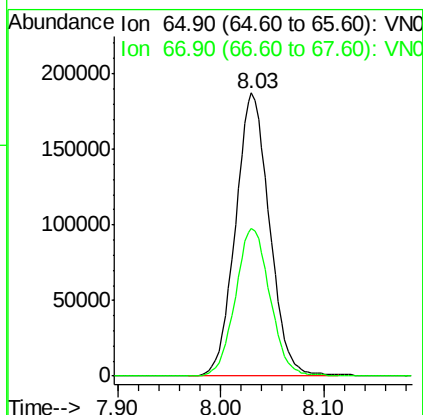
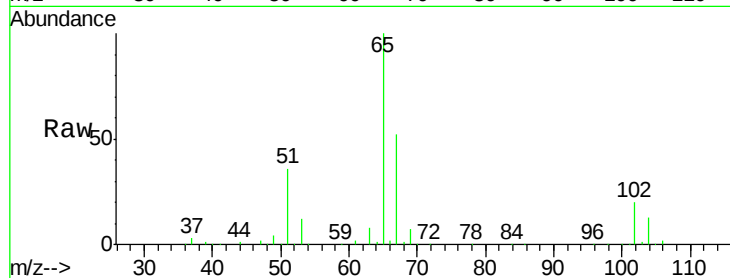




#33
 1,2-Dichloroethane-d4
 Concen: 51.478 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050006.D
 Acq: 23 Jul 2018 12:03

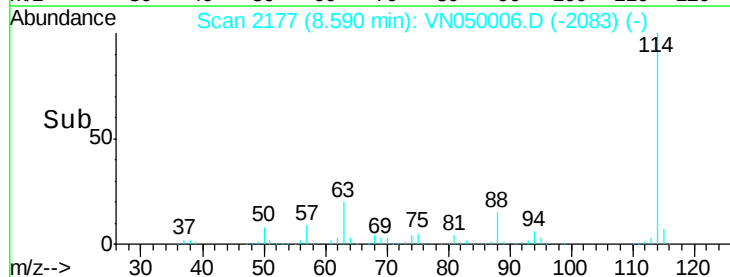
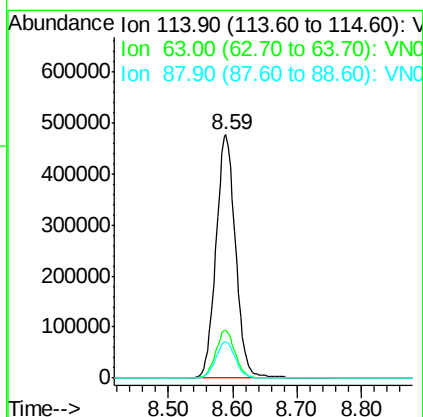
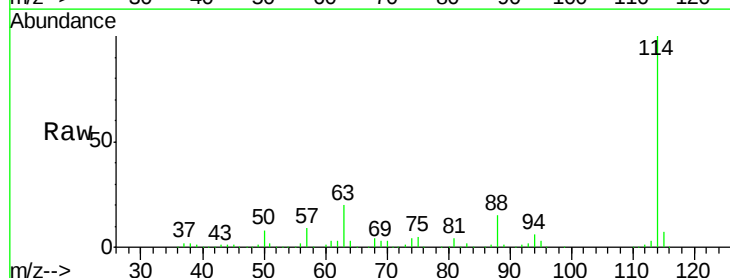
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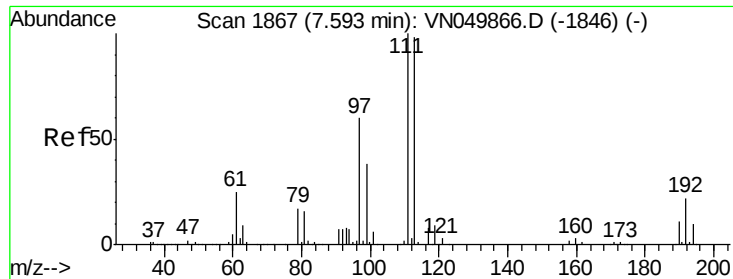
Tgt Ion: 65 Resp: 428349
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050006.D
 Acq: 23 Jul 2018 12:03

Tgt Ion: 114 Resp: 999429
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.1 0.0 30.6

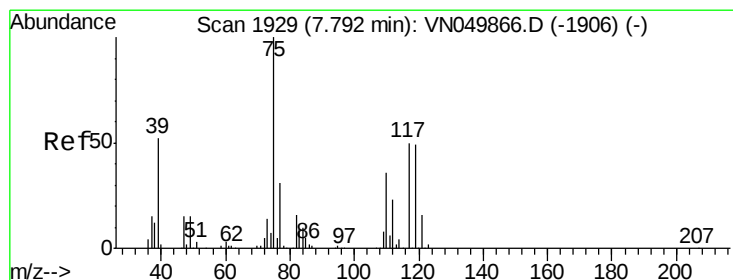
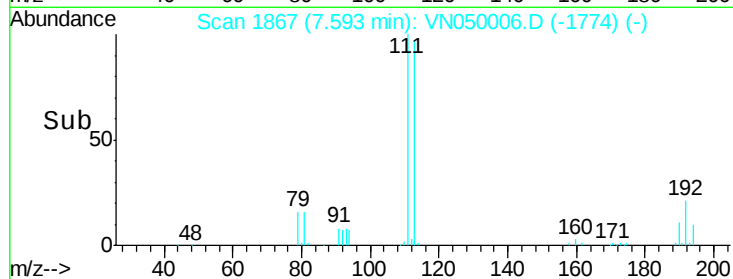
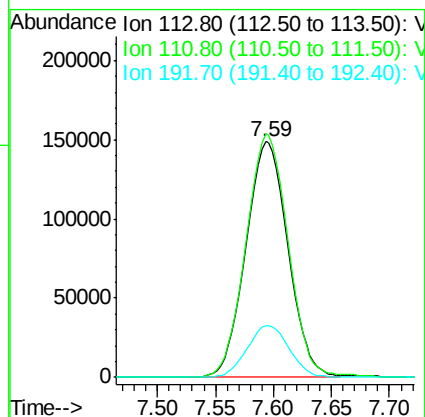
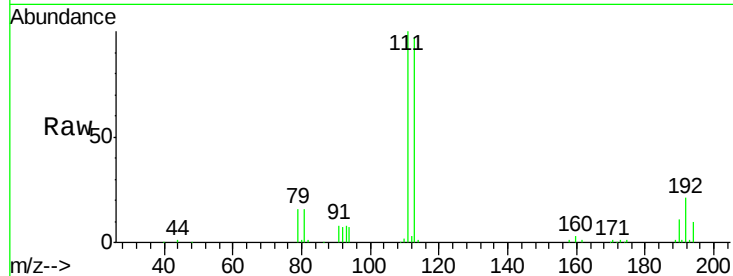




#35
 Dibromofluoromethane
 Concen: 44.906 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050006.D
 Acq: 23 Jul 2018 12:03

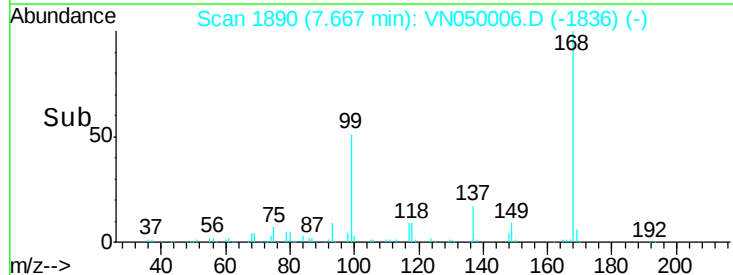
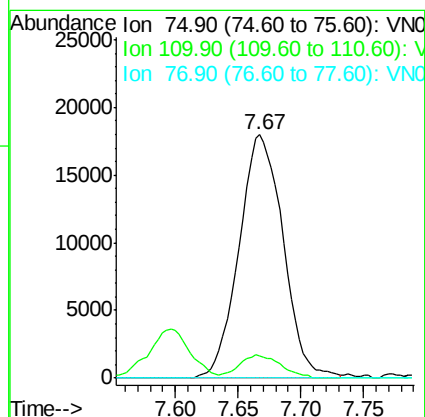
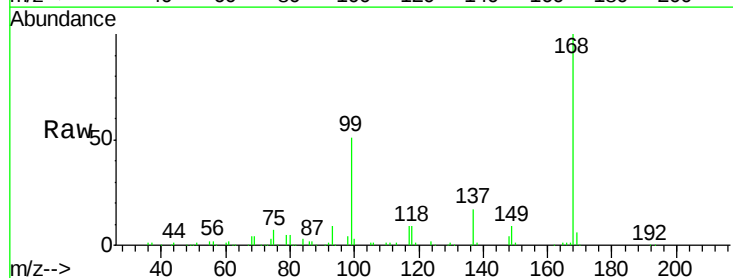
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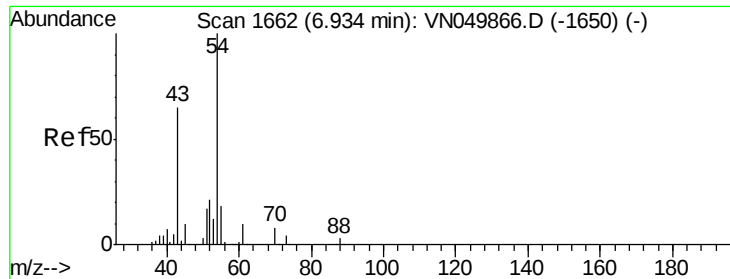
Tgt Ion:113 Resp: 376775
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.950 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050006.D
 Acq: 23 Jul 2018 12:03

Tgt Ion: 75 Resp: 43898
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.4#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.362 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. -0.08 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#02

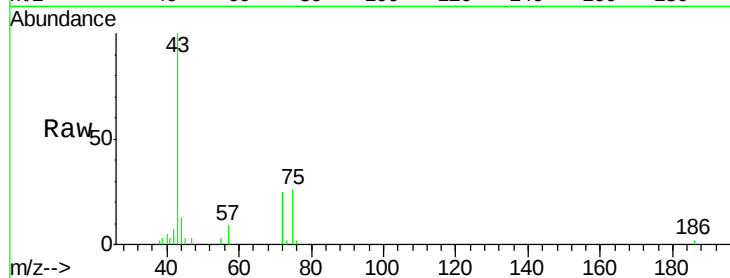
Tgt Ion: 43 Resp: 33284

Ion Ratio Lower Upper

43 100

61 0.1 11.7 17.5#

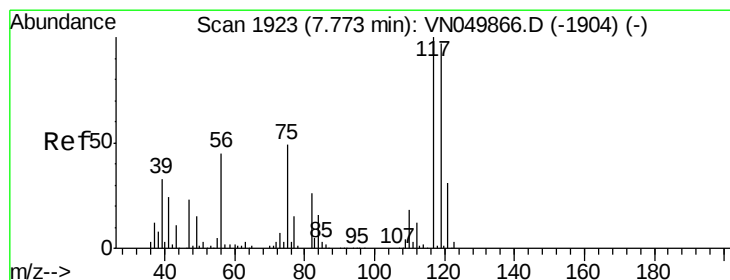
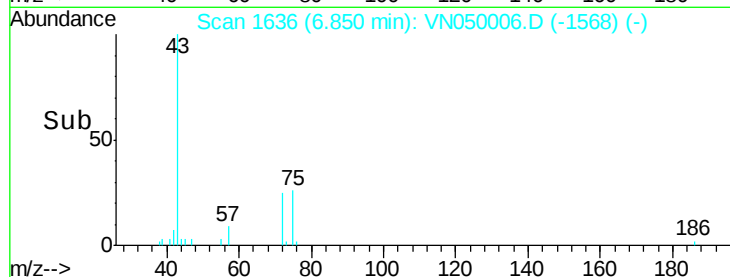
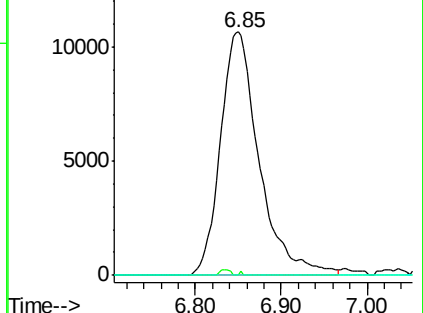
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 4.723 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.10 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

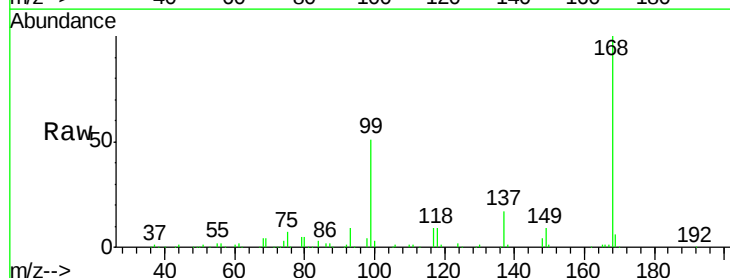
Tgt Ion: 117 Resp: 56216

Ion Ratio Lower Upper

117 100

119 6.2 77.2 115.8#

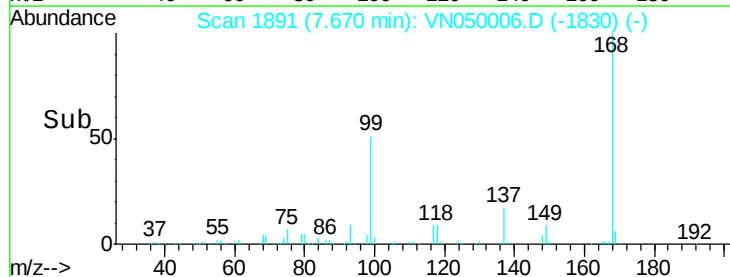
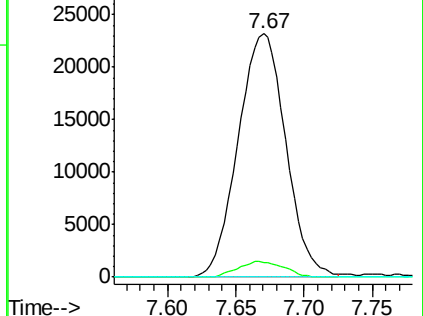
121 0.0 25.0 37.6#

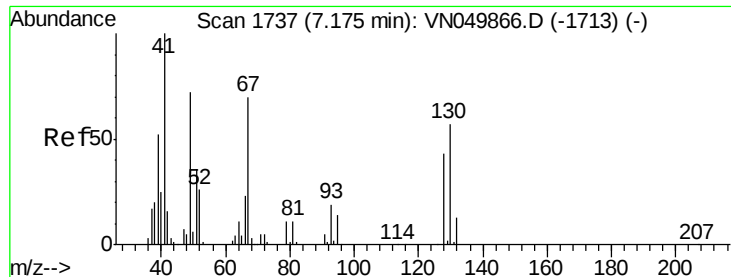


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 2.642 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.04 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

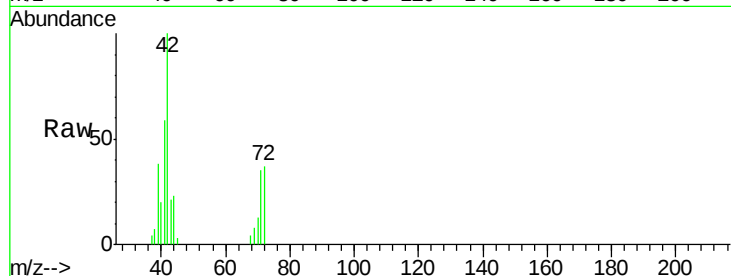
MSVOA_N

ClientSampleId :

PB111341ZHE#02

Tgt Ion: 41 Resp: 10106

Ion	Ratio	Lower	Upper
41	100		
39	63.6	45.4	68.2
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#



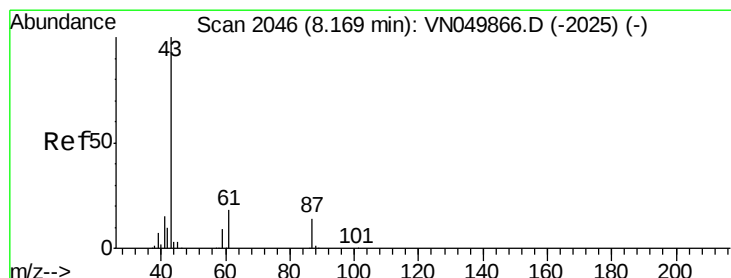
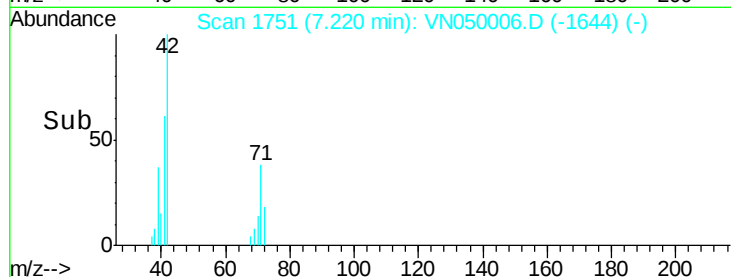
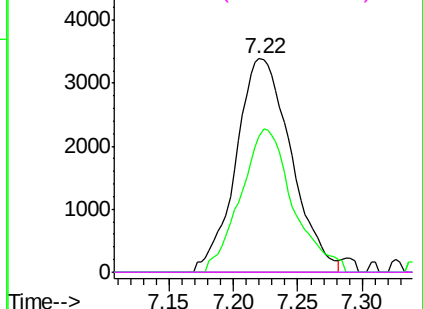
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#43

Isopropyl Acetate

Concen: 21.065 ug/l

RT: 8.17 min Scan# 2047

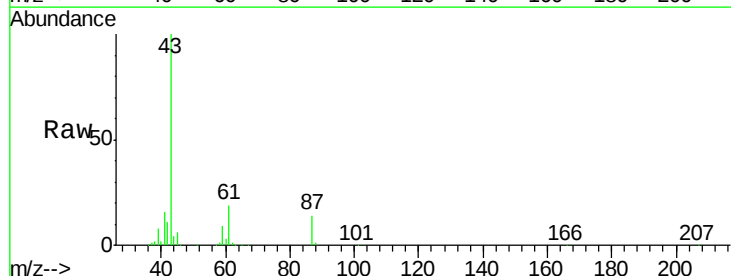
Delta R.T. 0.00 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Tgt Ion: 43 Resp: 280828

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	12.3	10.0	15.0

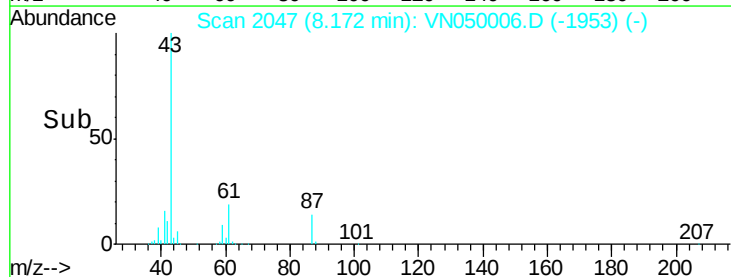
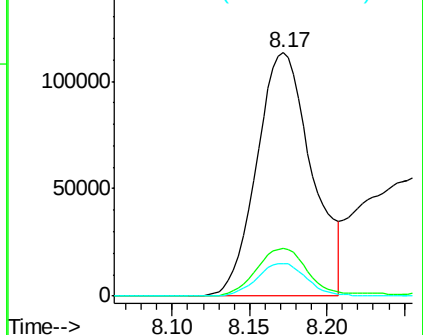


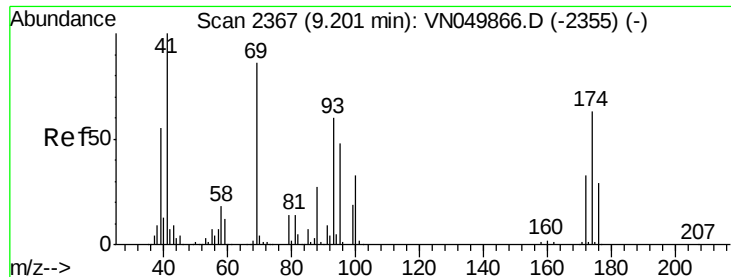
Abundance

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

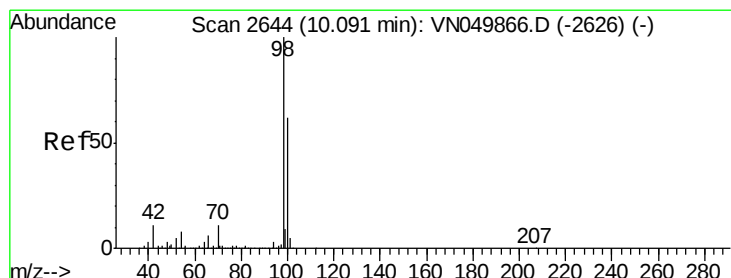
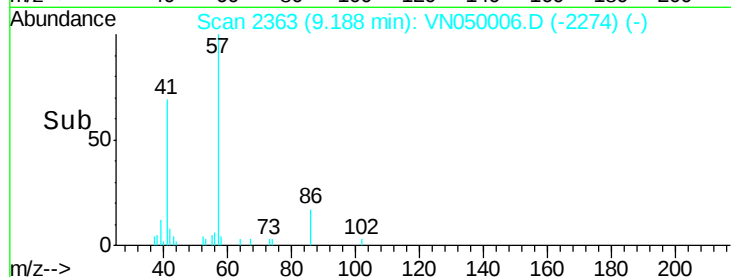
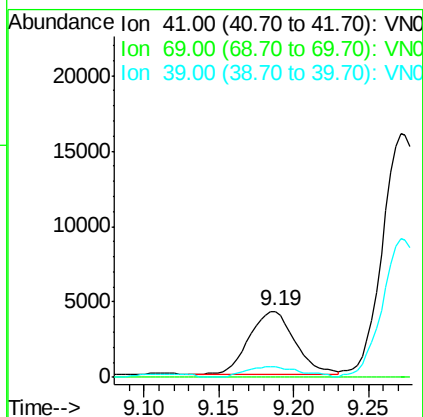
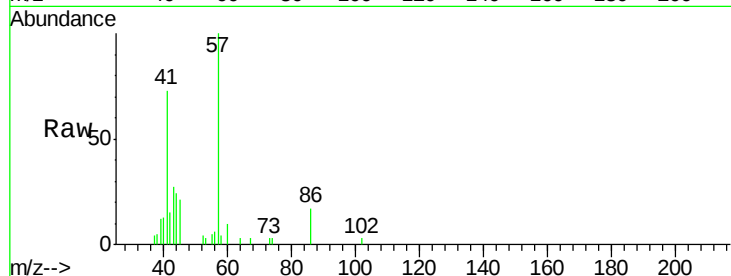




#48
Methyl methacrylate
Concen: 1.365 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

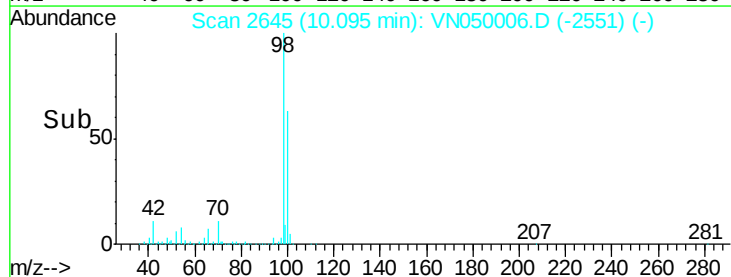
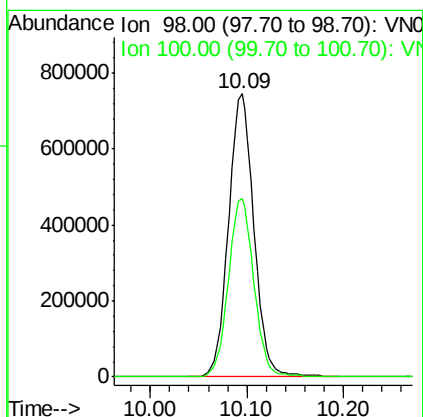
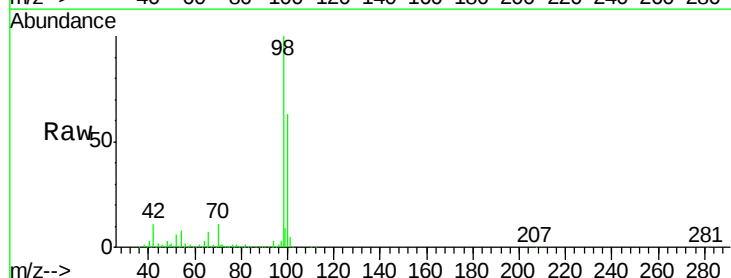
Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#02

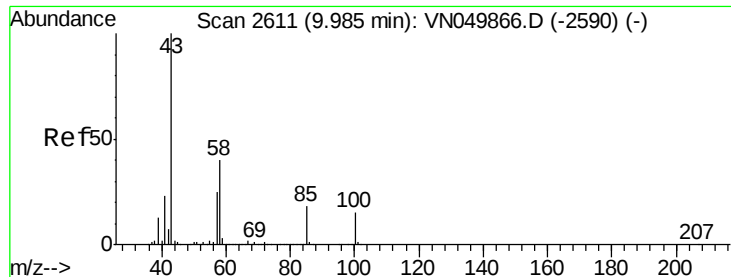
Tgt Ion: 41 Resp: 9127
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 19.8 44.7 67.1#



#50
Toluene-d8
Concen: 44.442 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

Tgt Ion: 98 Resp: 1358597
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.280 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

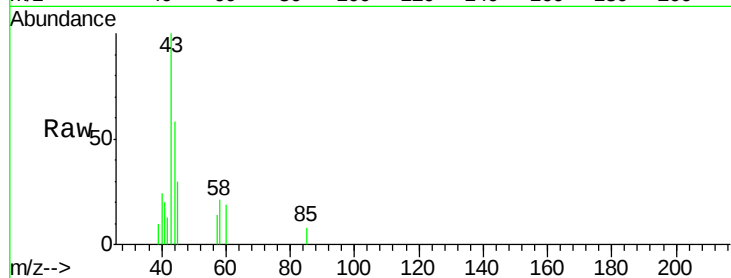
PB111341ZHE#02

Tgt Ion: 43 Resp: 2086

Ion Ratio Lower Upper

43 100

58 37.5 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500

2000

1500

1000

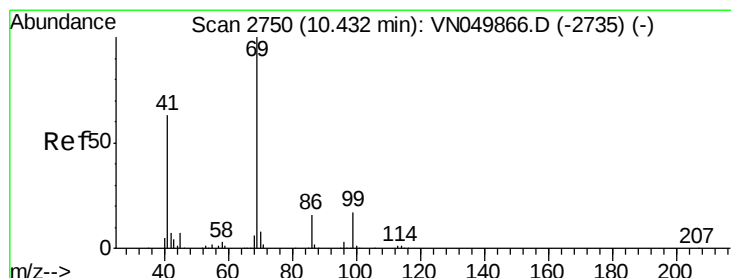
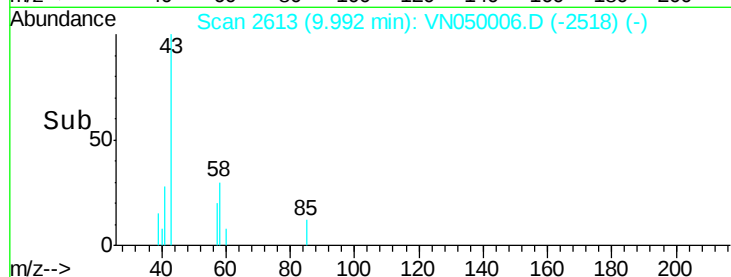
500

0

9.95

10.00

Time-->



#56

Ethyl methacrylate

Concen: 2.203 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

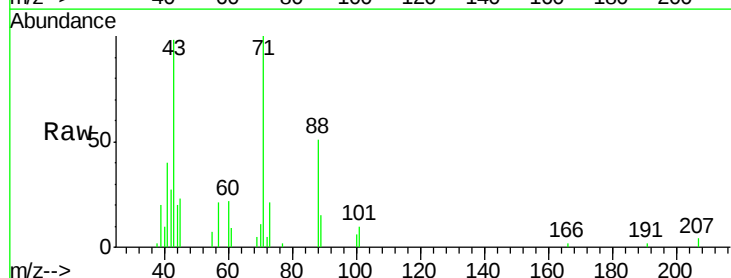
Tgt Ion: 69 Resp: 531

Ion Ratio Lower Upper

69 100

41 1123.9 51.6 77.4#

39 572.1 25.8 38.8#



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

4000

3000

2000

1000

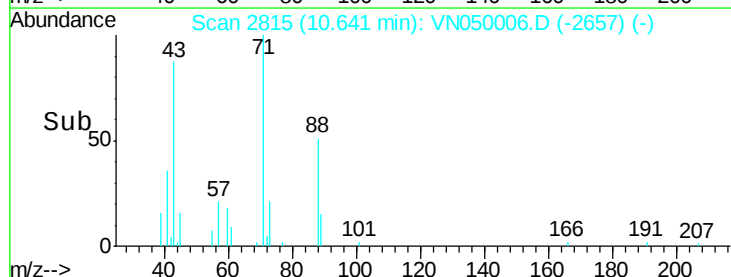
0

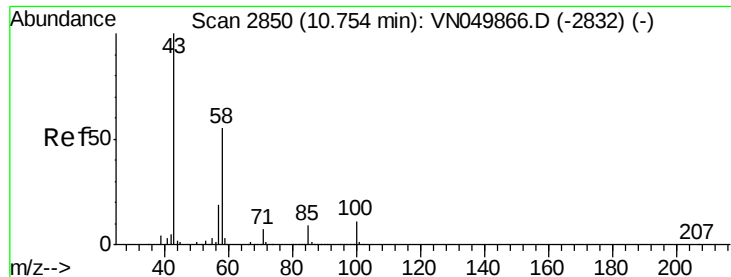
10.62

10.64

10.66

Time-->





#59

2-Hexanone

Concen: 4.464 ug/l

RT: 10.77 min Scan# 2855

Delta R.T. 0.02 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

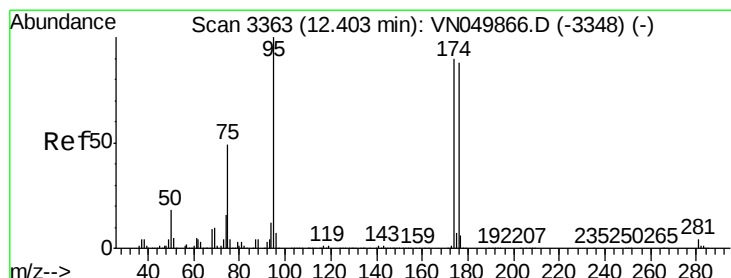
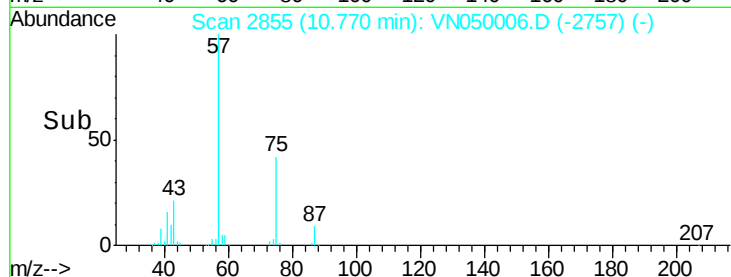
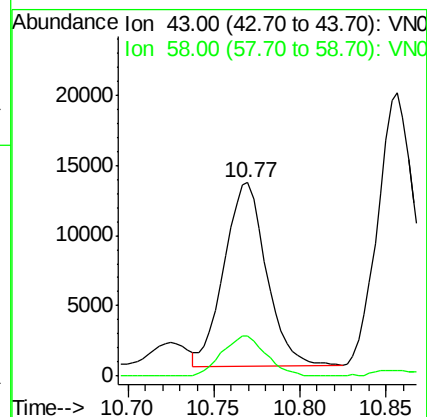
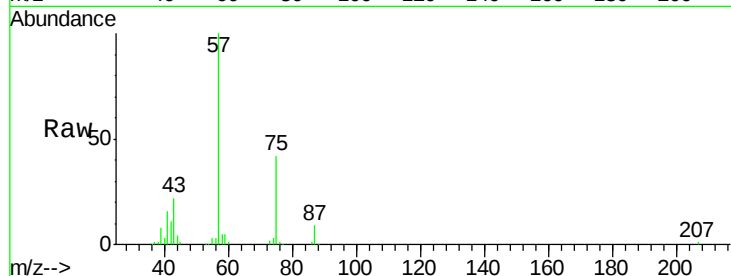
PB111341ZHE#02

Tgt Ion: 43 Resp: 22344

Ion Ratio Lower Upper

43 100

58 22.8 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 32.452 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

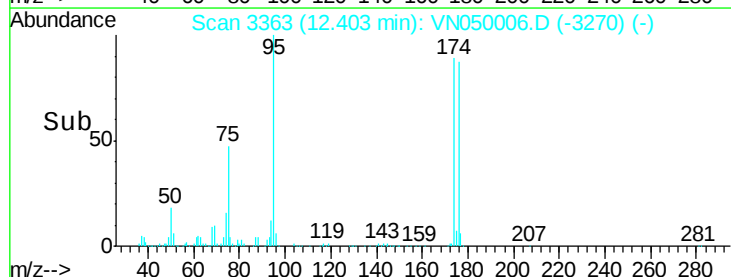
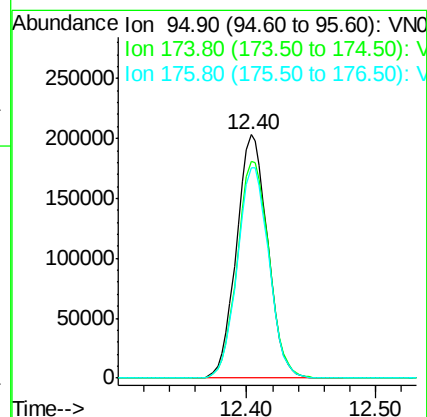
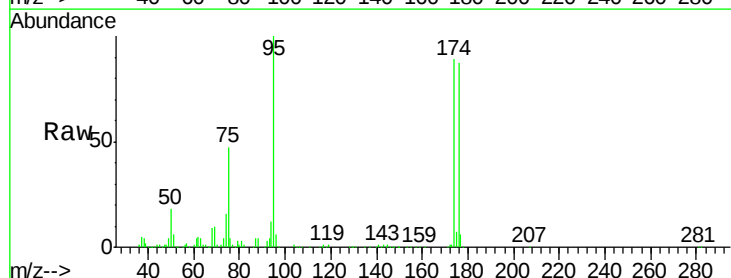
Tgt Ion: 95 Resp: 341660

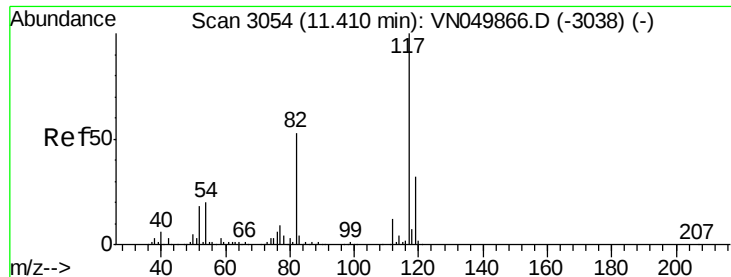
Ion Ratio Lower Upper

95 100

174 90.8 0.0 179.6

176 87.6 0.0 174.0

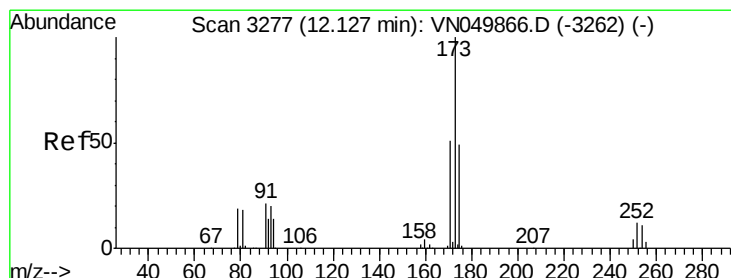
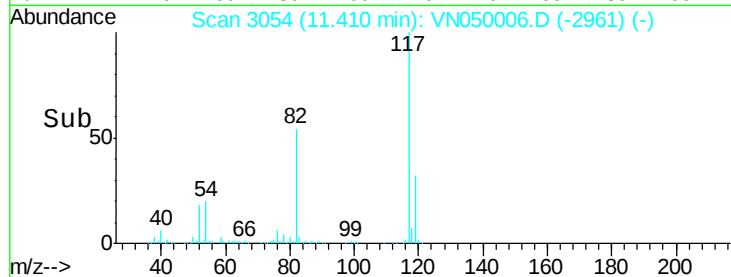
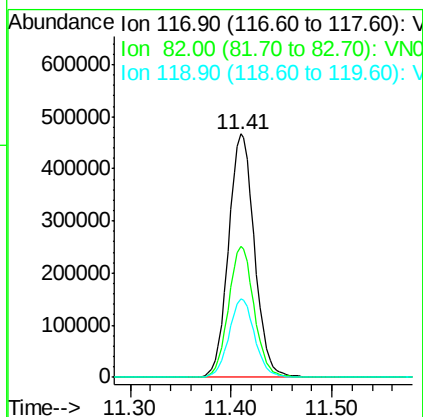
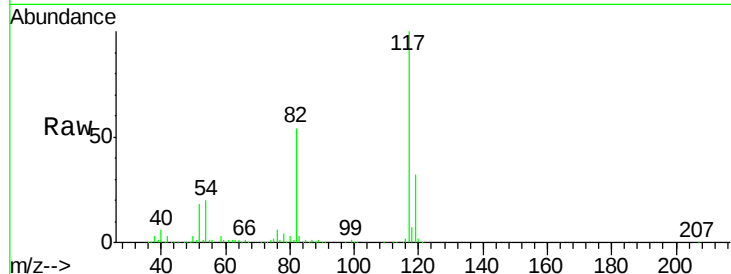




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

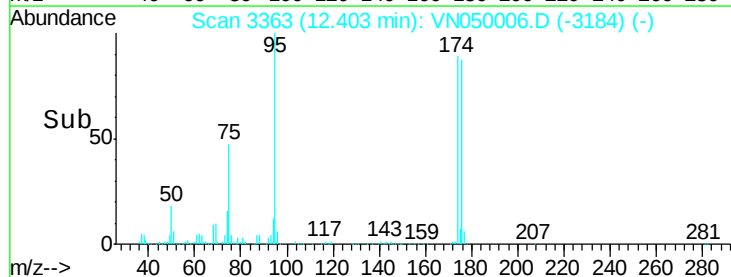
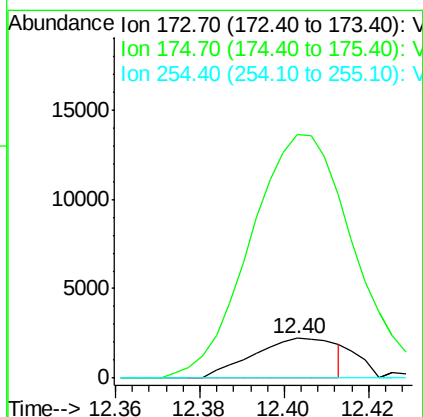
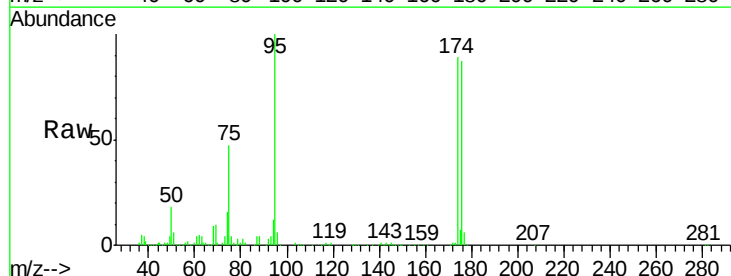
Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#02

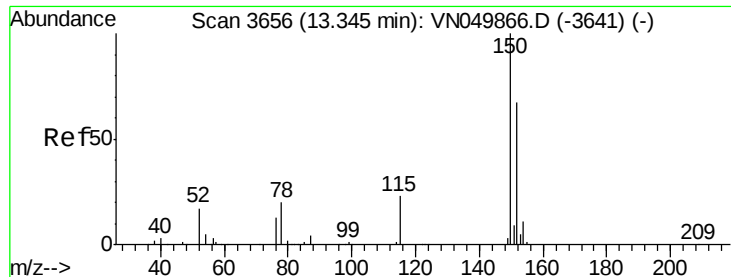
Tgt Ion:117 Resp: 836356
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 32.1 25.4 38.2



#71
Bromoform
Concen: 0.522 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

Tgt Ion:173 Resp: 3040
Ion Ratio Lower Upper
173 100
175 620.5 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#02

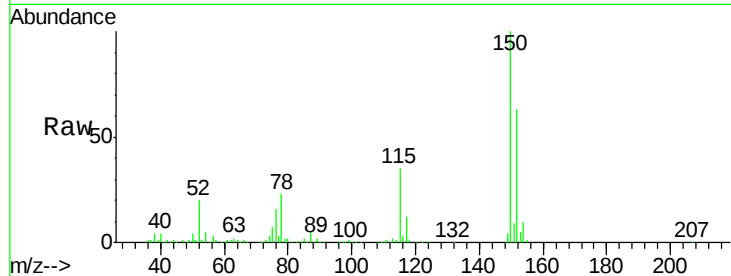
Tgt Ion:152 Resp: 244910

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.2

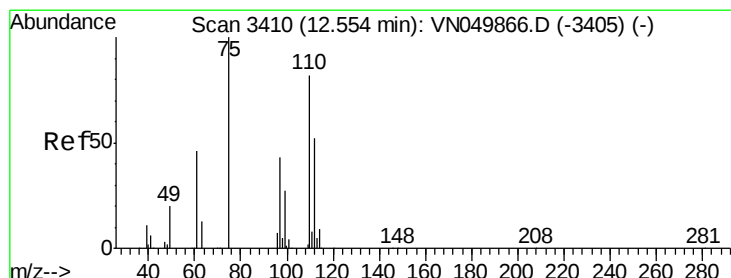
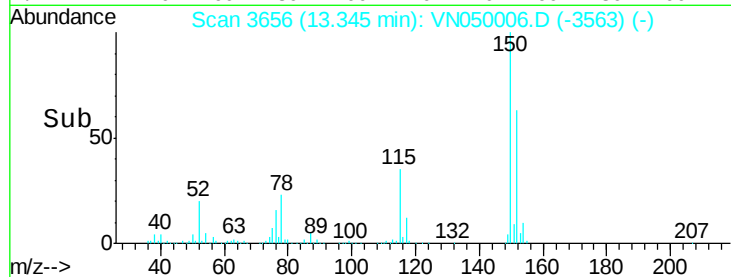
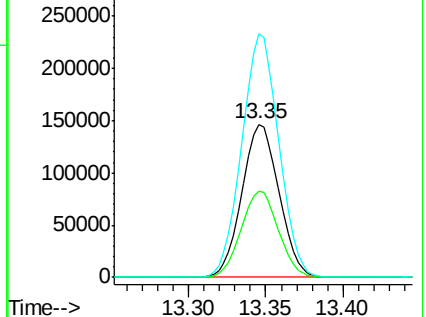
150 158.8 0.0 347.6



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: 35.430 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050006.D

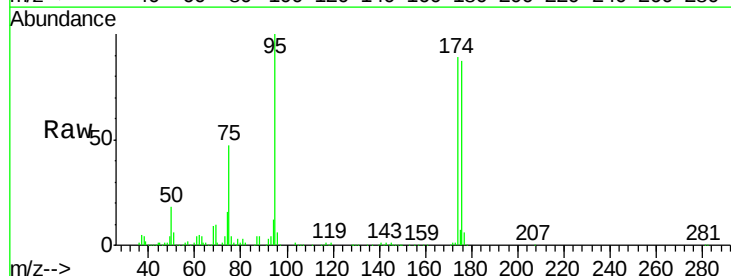
Acq: 23 Jul 2018 12:03

Tgt Ion: 75 Resp: 162773

Ion Ratio Lower Upper

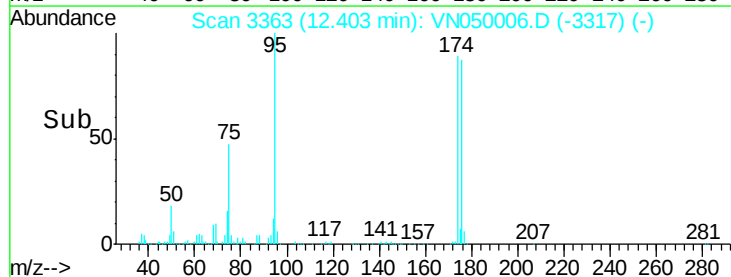
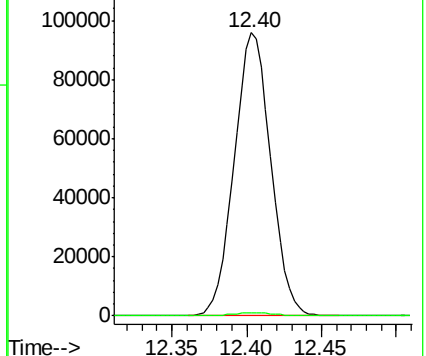
75 100

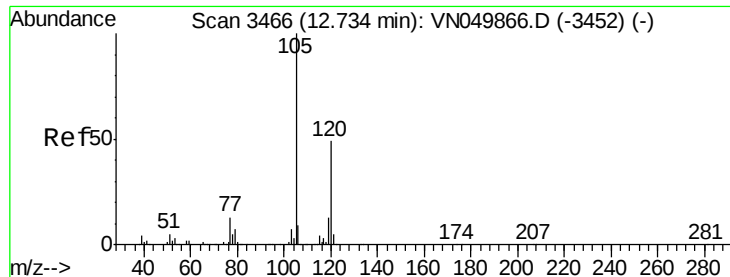
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

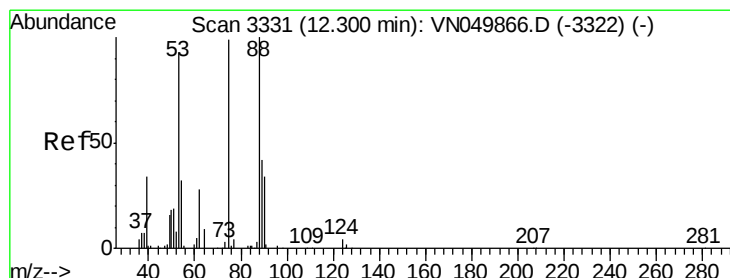
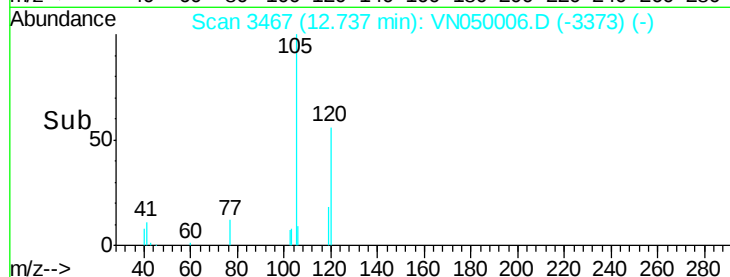
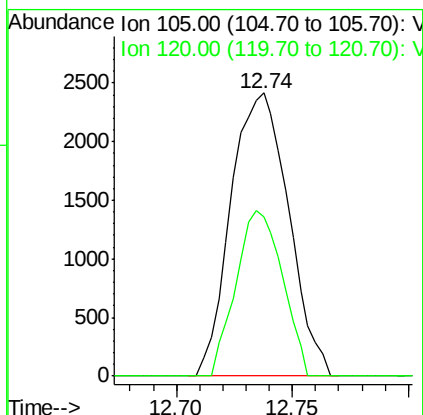
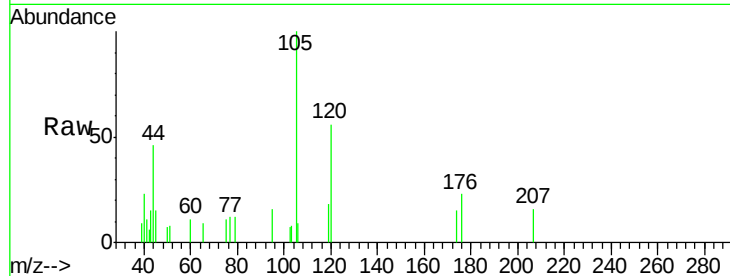




#80
 1,3,5-Trimethylbenzene
 Concen: 0.280 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN050006.D
 Acq: 23 Jul 2018 12:03

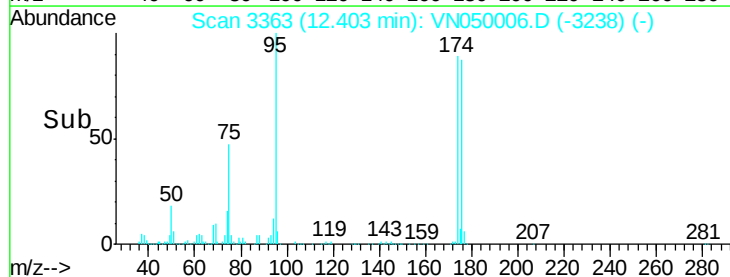
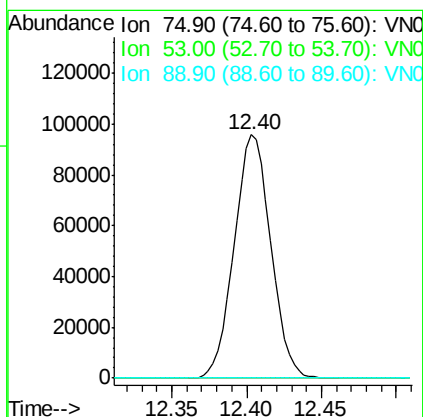
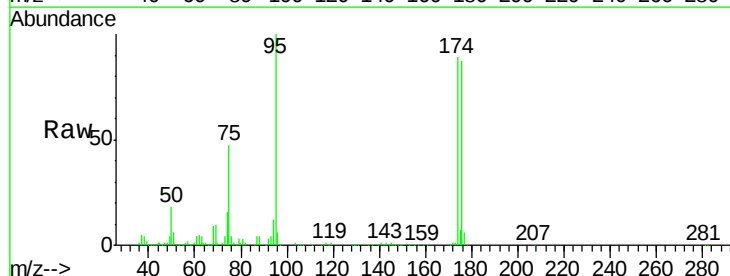
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111341ZHE#02

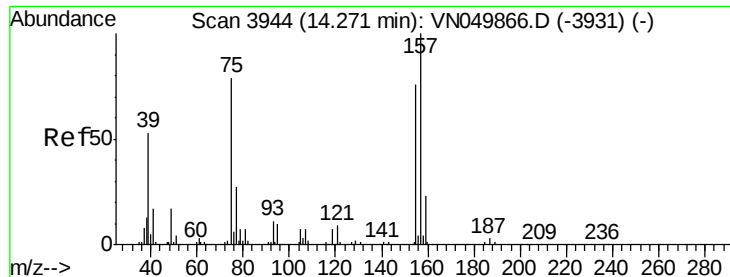
Tgt Ion: 105 Resp: 4168
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.787 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050006.D
 Acq: 23 Jul 2018 12:03

Tgt Ion: 75 Resp: 162773
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 35.9 53.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.264 ug/l

RT: 14.26 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

PB111341ZHE#02

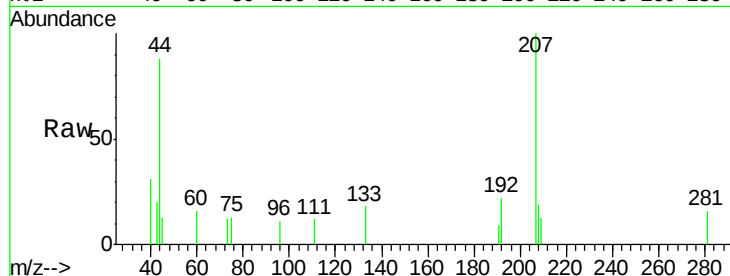
Tgt Ion: 75 Resp: 227

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

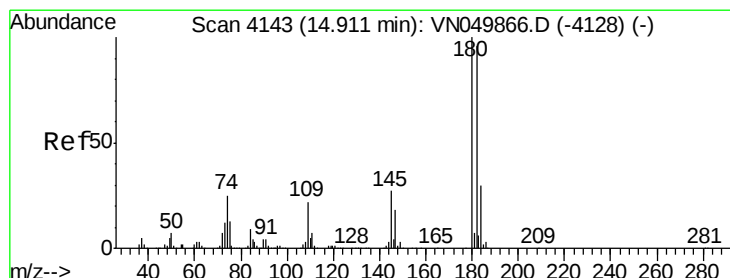
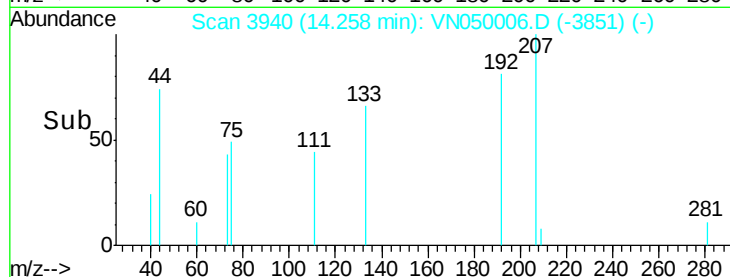
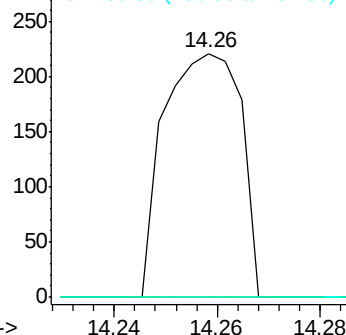
157 0.0 56.9 170.7#



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: 3.552 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050006.D

Acq: 23 Jul 2018 12:03

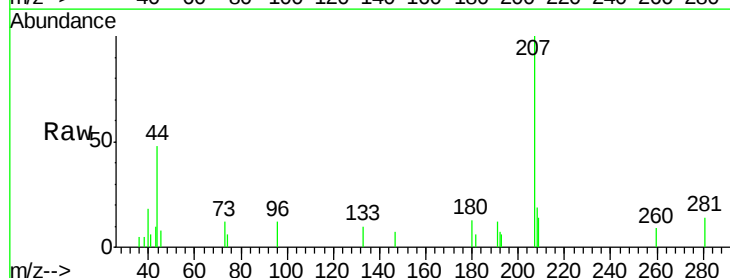
Tgt Ion: 180 Resp: 396

Ion Ratio Lower Upper

180 100

182 47.5 47.3 141.9

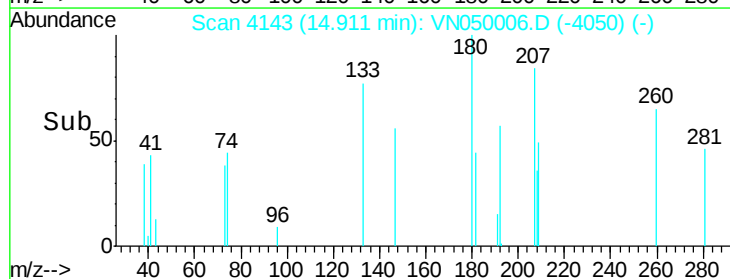
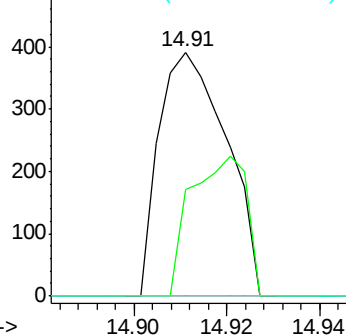
145 0.0 14.4 43.0#

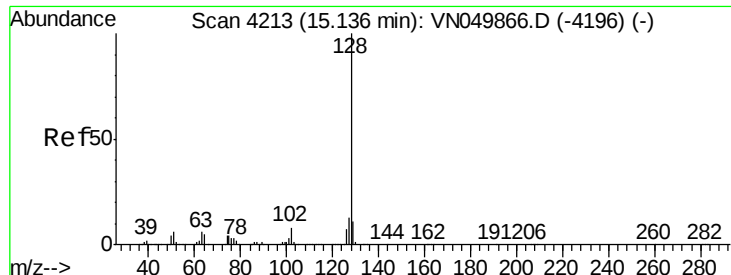


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

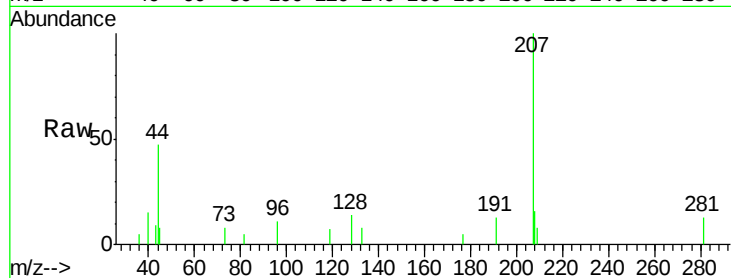




#95
Naphthalene
Concen: 4.562 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050006.D
Acq: 23 Jul 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
PB111341ZHE#02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

