

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050401.D
 Acq On : 6 Aug 2018 23:19
 Operator : MD\SY
 Sample : VN0806WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBL02

Quant Time: Aug 07 07:11:25 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	645090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1036964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	889786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	457001	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	7.59	113	405287	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.09	98	1425245	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.40	95	404399	37.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.86%	

Target Compounds

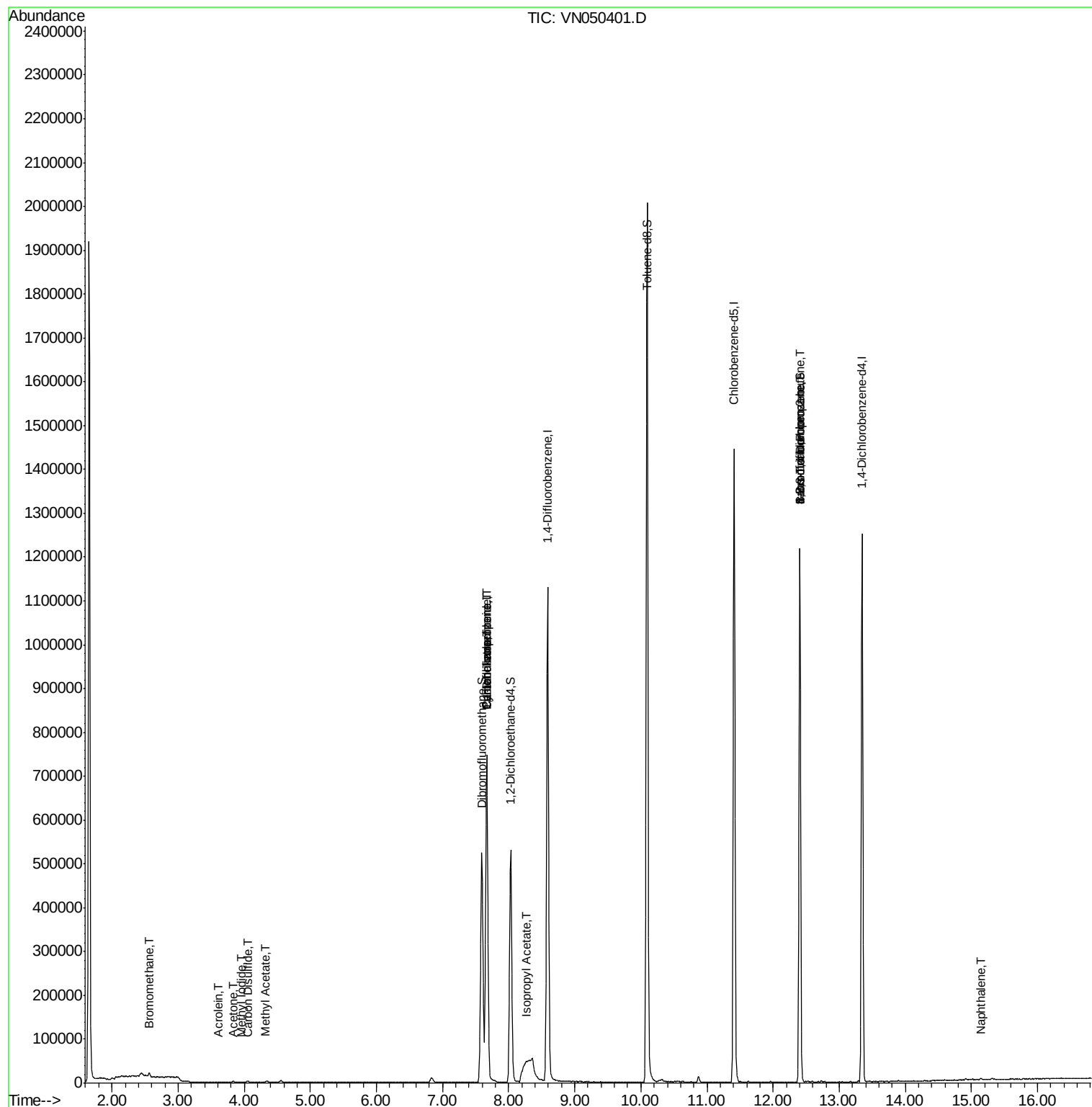
						Qvalue
3) Chloromethane	2.06	50	3603	Below Cal		96
5) Bromomethane	2.56	94	4837	1.24 ug/l		89
10) Methyl Iodide	3.95	142	1797	0.55 ug/l #		77
13) Acrolein	3.61	56	189	15.23 ug/l		97
16) Acetone	3.82	43	2241	0.51 ug/l		98
17) Carbon Disulfide	4.06	76	4993	0.22 ug/l #		83
18) Methyl Acetate	4.33	43	6527	0.79 ug/l #		81
20) Methylene Chloride	4.55	84	3484	Below Cal #		79
31) Cyclohexane	7.67	56	11630	0.32 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	45934	4.03 ug/l #		47
38) Carbon Tetrachloride	7.67	117	57607	4.85 ug/l #		16
43) Isopropyl Acetate	8.27	43	68811	4.86 ug/l #		61
71) Bromoform	12.41	173	3563	0.60 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	196279	30.85 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	196279	108.40 ug/l #		13
94) Hexachlorobutadiene	15.02	225	339	Below Cal		89
95) Naphthalene	15.14	128	2412	3.75 ug/l #		83

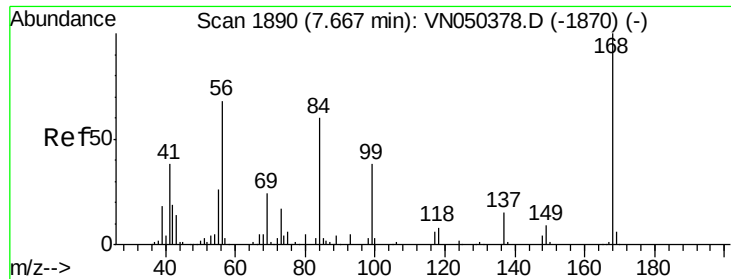
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080618\
Data File : VN050401.D
Acq On : 6 Aug 2018 23:19
Operator : MD\SY
Sample : VN0806WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL02

Quant Time: Aug 07 07:11:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
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: VN050401.D

Acq: 6 Aug 2018 23:19

Instrument :

MSVOA_N

ClientSampleId :

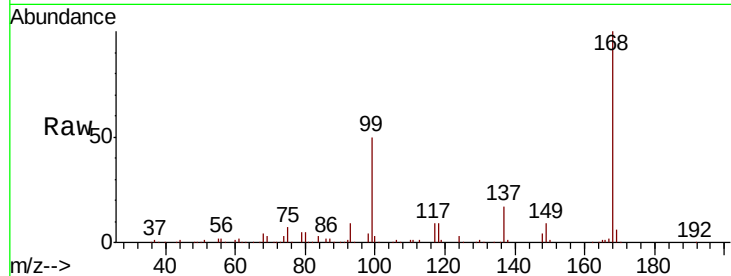
VN0806WBL02

Tot Ion:168 Resp: 645090

Ion Ratio Lower Upper

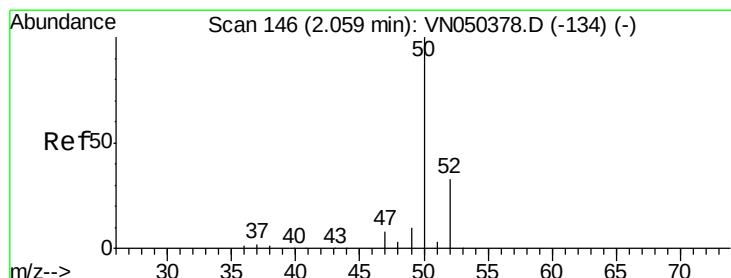
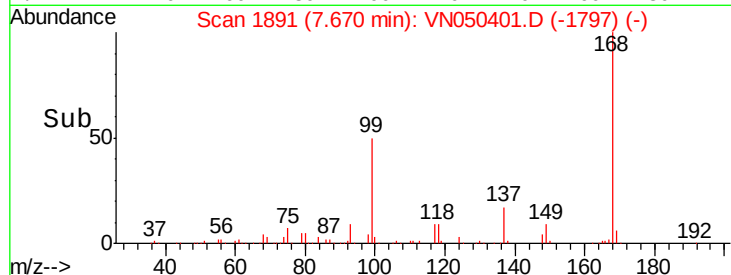
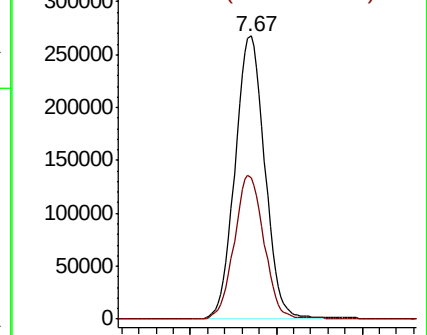
168 100

99 49.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050401.D

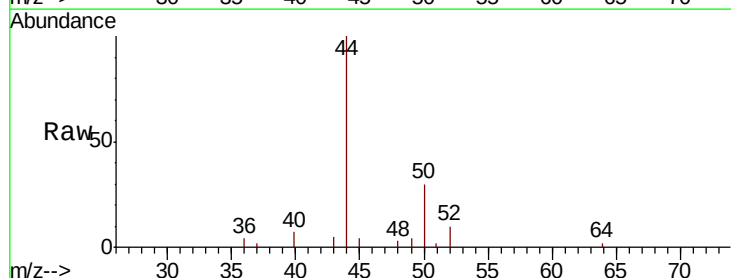
Acq: 6 Aug 2018 23:19

Tgt Ion: 50 Resp: 3603

Ion Ratio Lower Upper

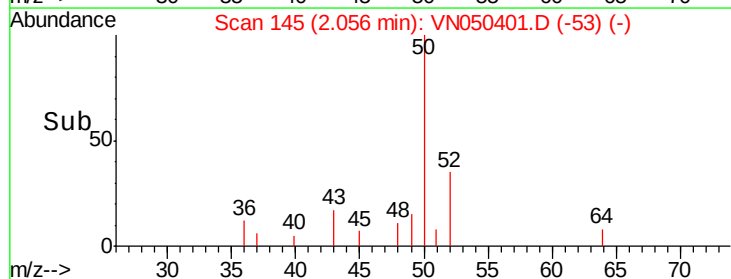
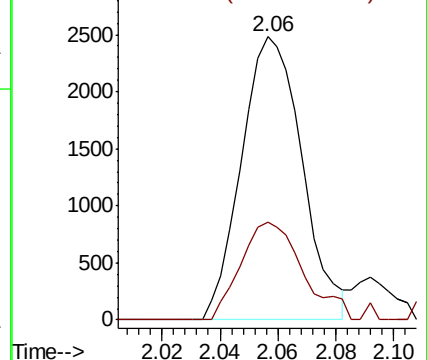
50 100

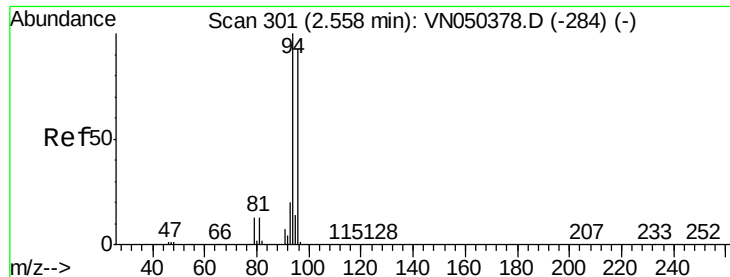
52 34.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: 1.24 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

Instrument :

MSVOA_N

ClientSampleId :

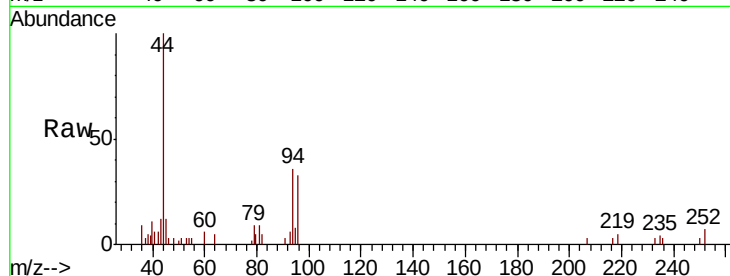
VN0806WBL02

Tot Ion: 94 Resp: 4837

Ion Ratio Lower Upper

94 100

96 83.1 74.6 112.0



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

Ion 95.90 (95.60 to 96.60): VN050401.D (-207) (-)

2.56

2500

2000

1500

1000

500

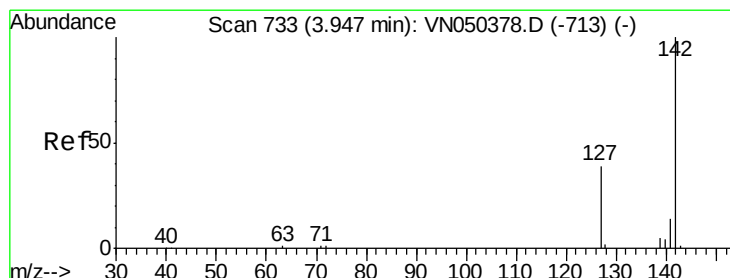
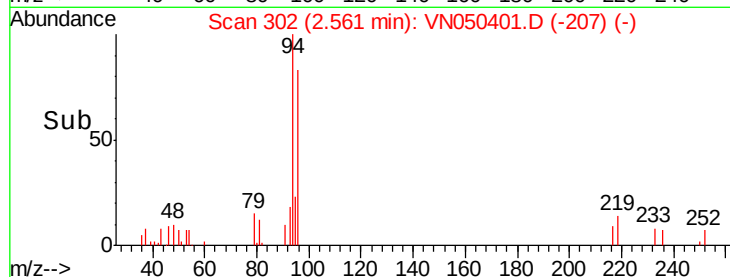
0

2.50

2.55

2.60

Time-->



#10

Methyl Iodide

Concen: 0.55 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

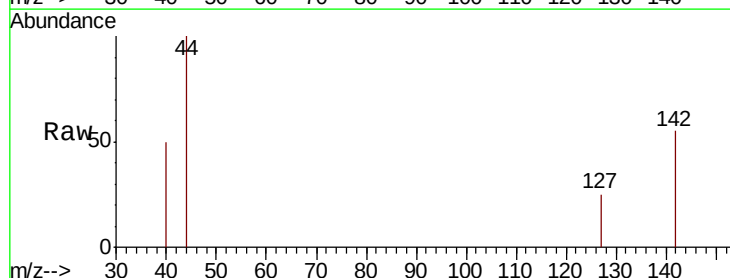
Tgt Ion: 142 Resp: 1797

Ion Ratio Lower Upper

142 100

127 29.2 33.4 50.2#

141 1.7 11.6 17.4#



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

Ion 126.80 (126.50 to 127.50): VN050401.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050401.D (-639) (-)

3.95

800

600

400

200

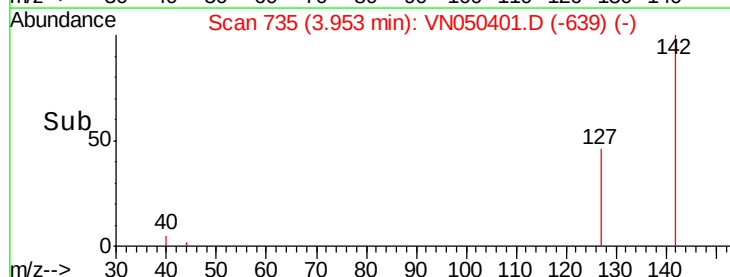
0

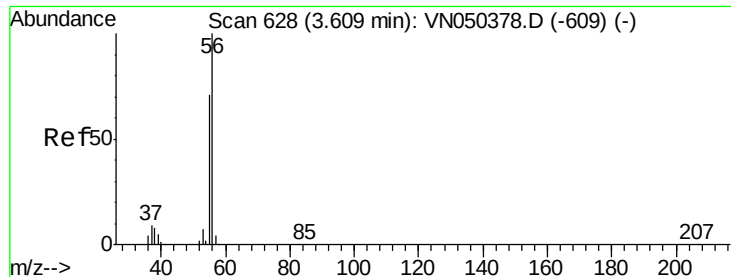
3.90

3.95

4.00

Time-->





#13

Acrolein

Concen: 15.23 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

Instrument :

MSVOA_N

ClientSampled :

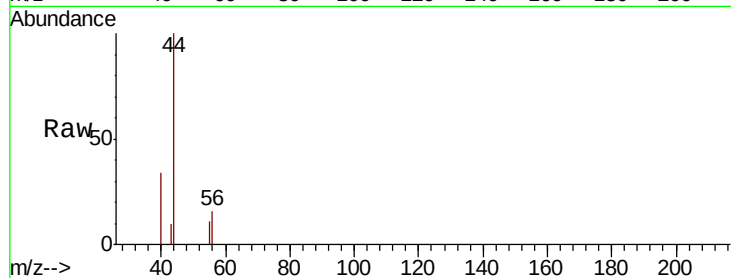
VN0806WBL02

Tot Ion: 56 Resp: 189

Ion Ratio Lower Upper

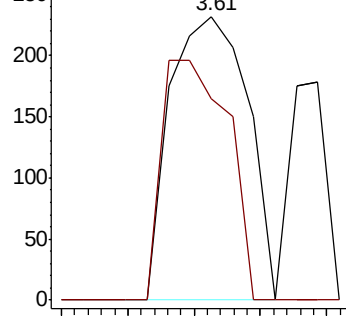
56 100

55 72.0 55.8 83.6

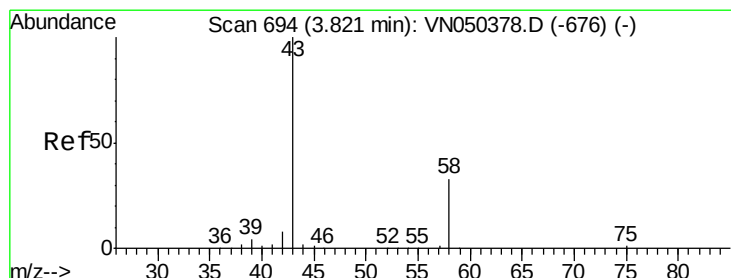
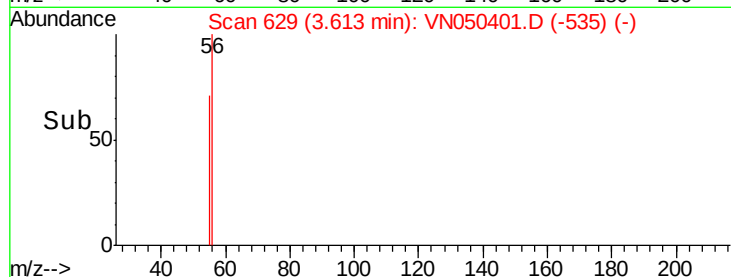


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.59 3.60 3.61 3.62 3.63



#16

Acetone

Concen: 0.51 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050401.D

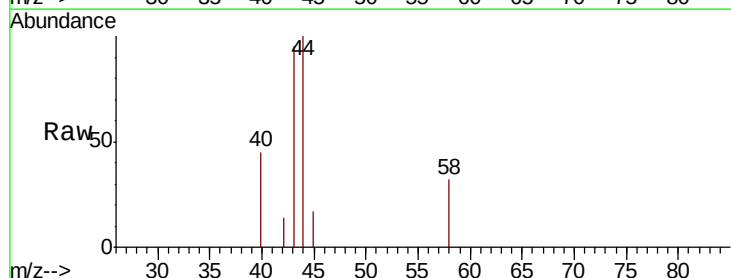
Acq: 6 Aug 2018 23:19

Tgt Ion: 43 Resp: 2241

Ion Ratio Lower Upper

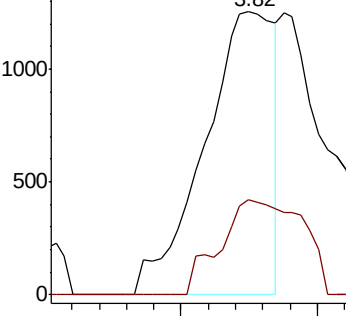
43 100

58 33.4 25.8 38.8

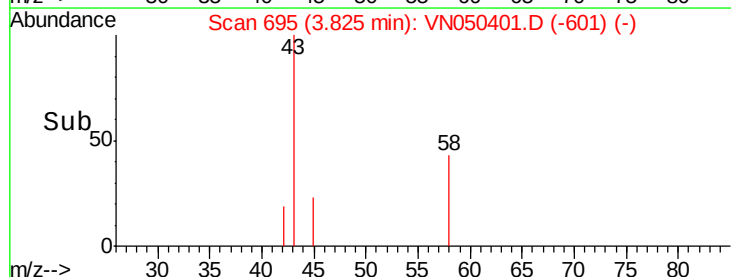


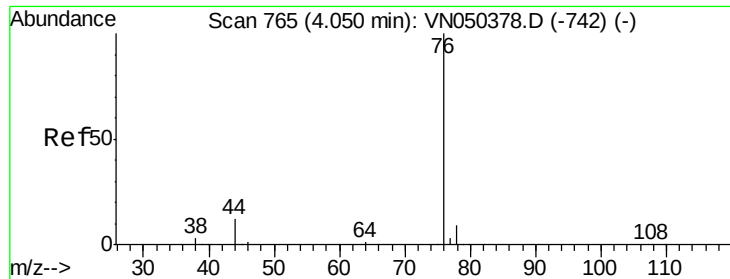
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.80 3.82 3.84 3.85

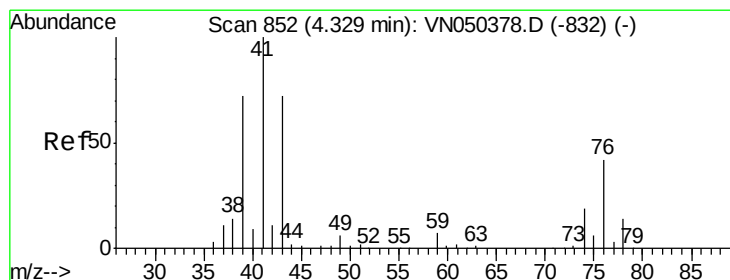
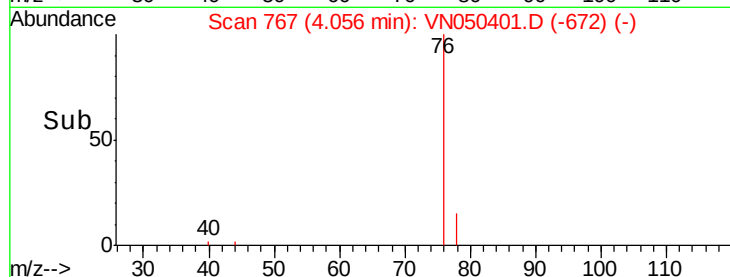
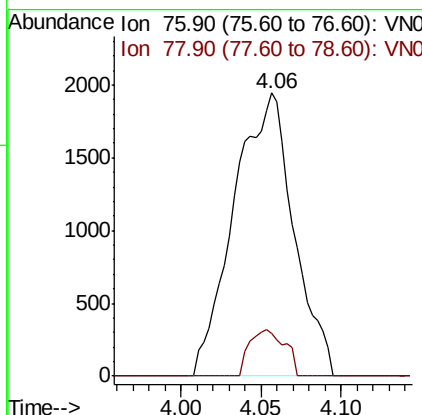
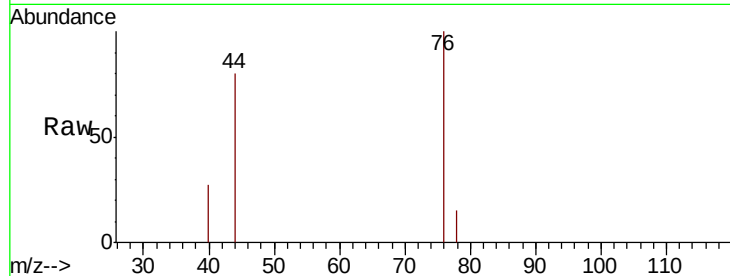




#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 4.06 min Scan# 767
Delta R.T. 0.01 min
Lab File: VN050401.D
Acq: 6 Aug 2018 23:19

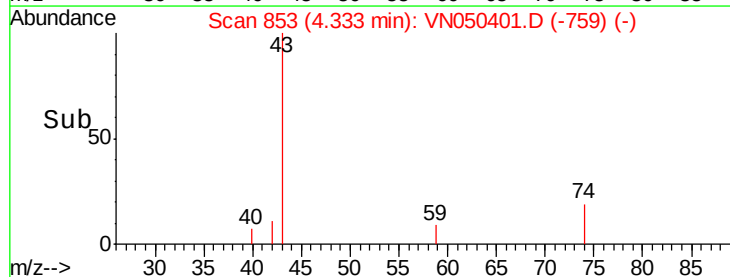
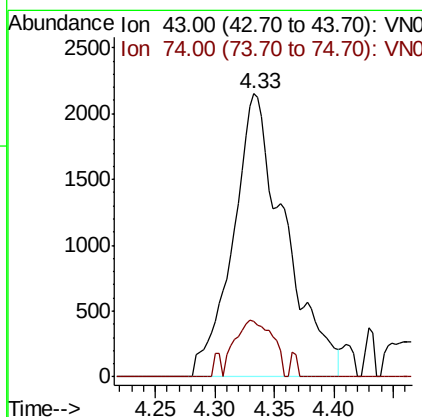
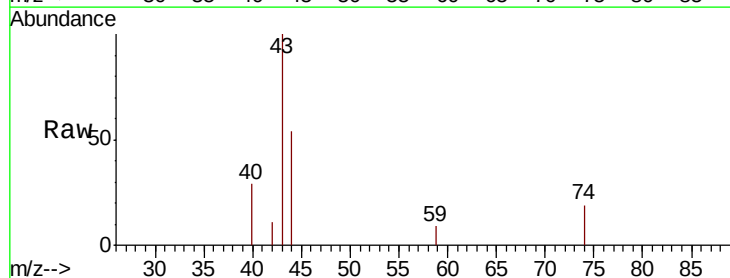
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL02

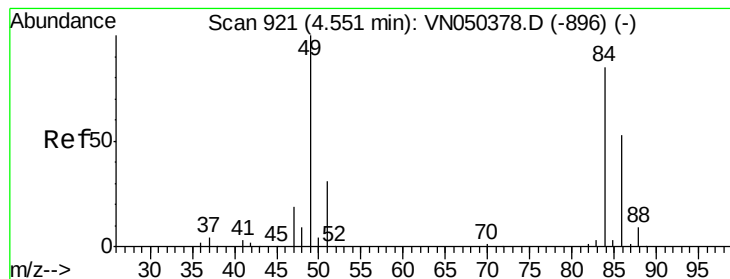
Tot Ion: 76 Resp: 4993
Ion Ratio Lower Upper
76 100
78 15.3 7.3 10.9#



#18
Methyl Acetate
Concen: 0.79 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050401.D
Acq: 6 Aug 2018 23:19

Tgt Ion: 43 Resp: 6527
Ion Ratio Lower Upper
43 100
74 14.4 19.2 28.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBL02

Tot Ion: 84 Resp: 3484

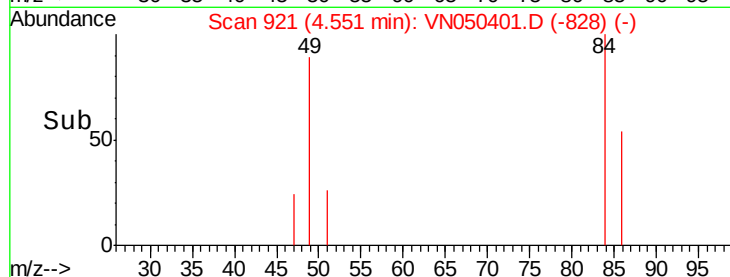
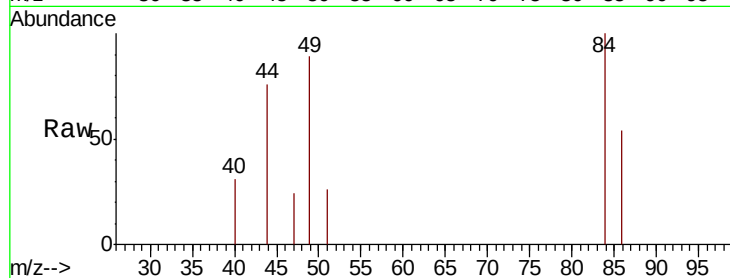
Ion Ratio Lower Upper

84 100

49 89.4 94.8 142.2#

51 26.1 28.3 42.5#

86 53.9 51.0 76.6

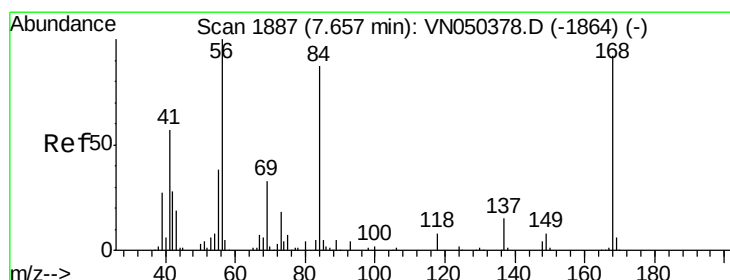
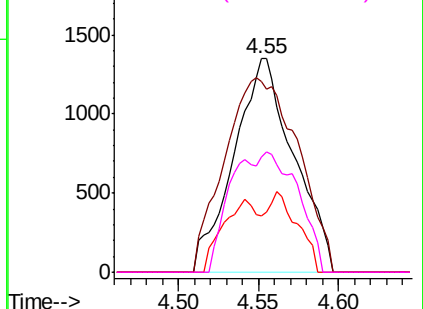


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#31

Cyclohexane

Concen: 0.32 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

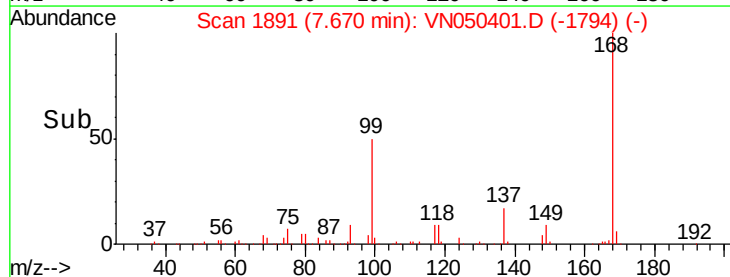
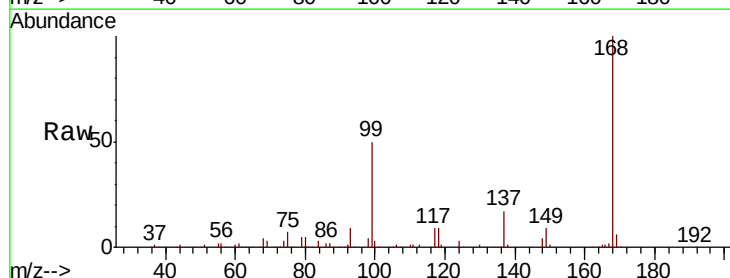
Tgt Ion: 56 Resp: 11630

Ion Ratio Lower Upper

56 100

69 185.0 26.2 39.4#

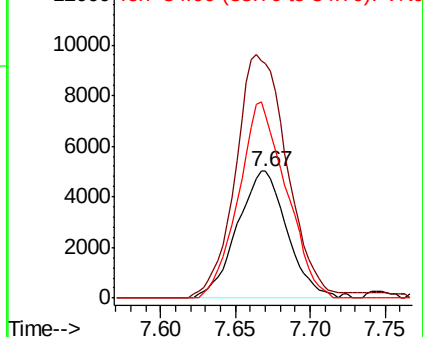
84 144.6 67.4 101.0#

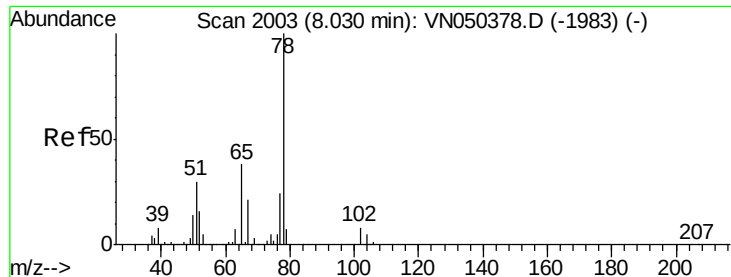


Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC

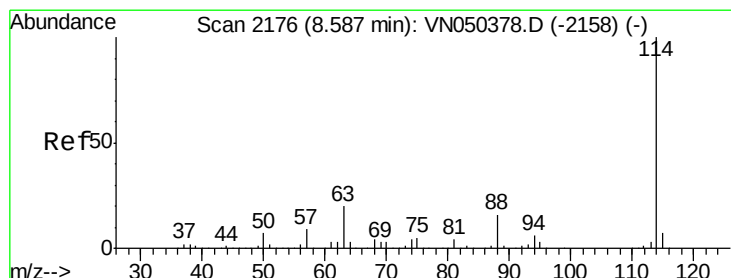
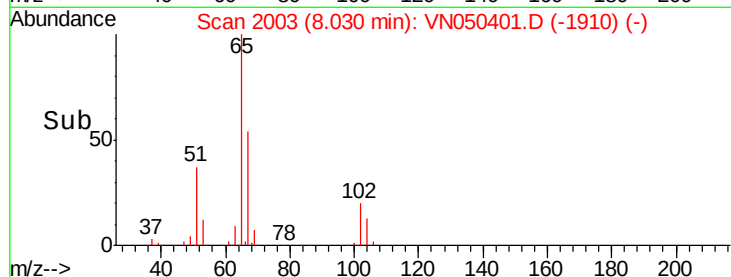
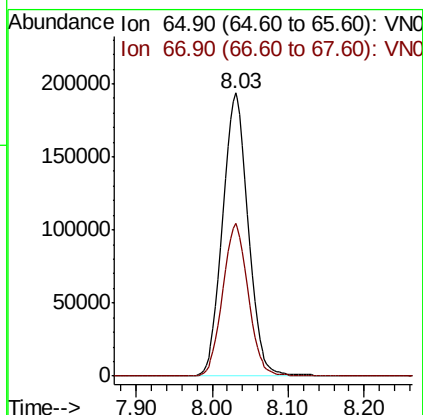
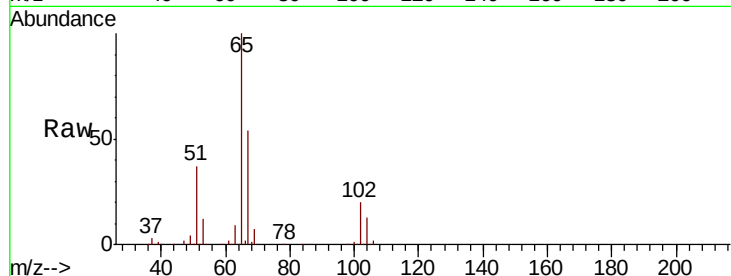




#33
 1,2-Dichloroethane-d4
 Concen: 53.02 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050401.D
 Acq: 6 Aug 2018 23:19

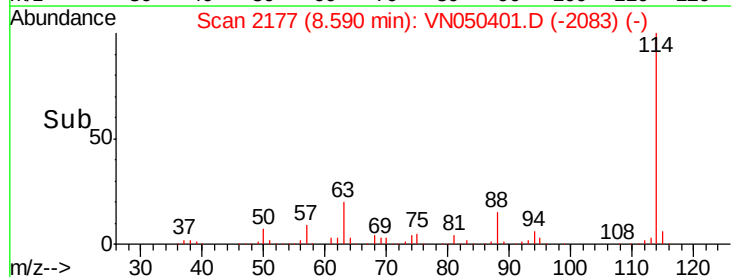
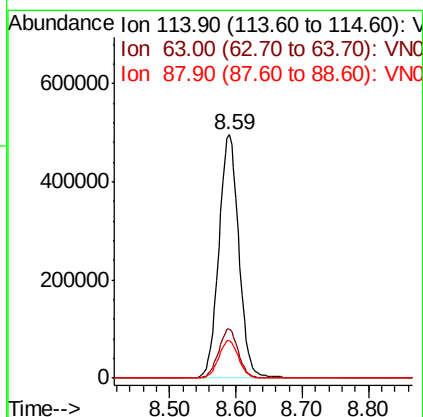
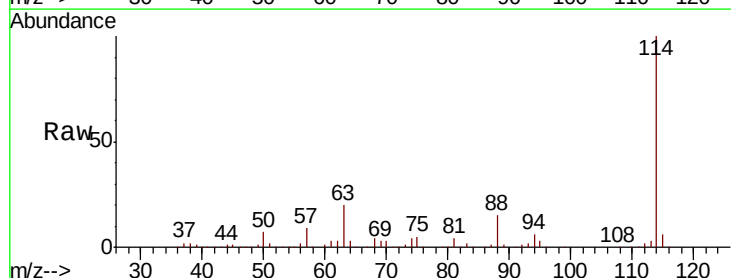
Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBL02

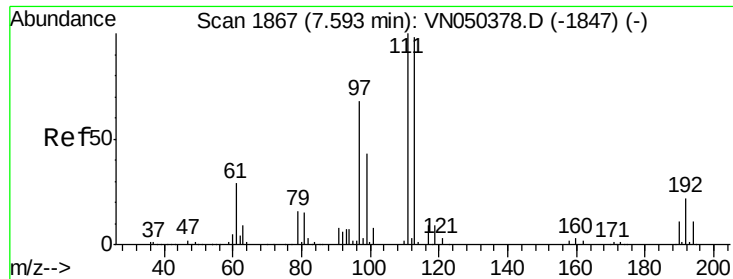
Tot Ion: 65 Resp: 457001
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050401.D
 Acq: 6 Aug 2018 23:19

Tgt Ion: 114 Resp: 1036964
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.2 0.0 31.2

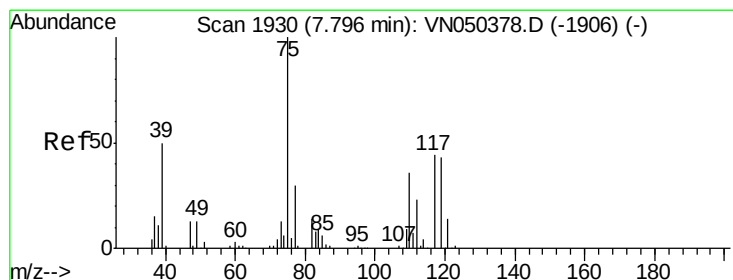
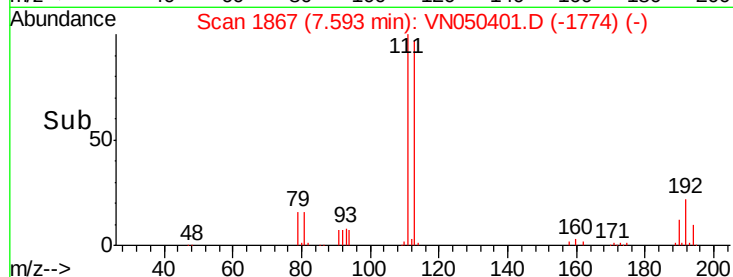
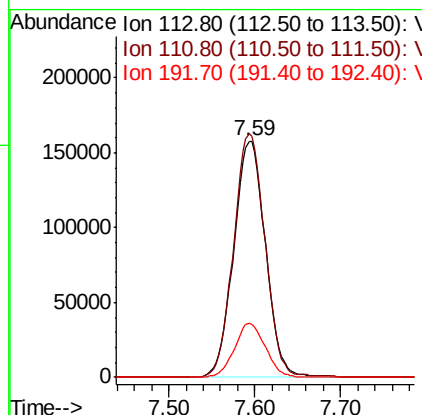
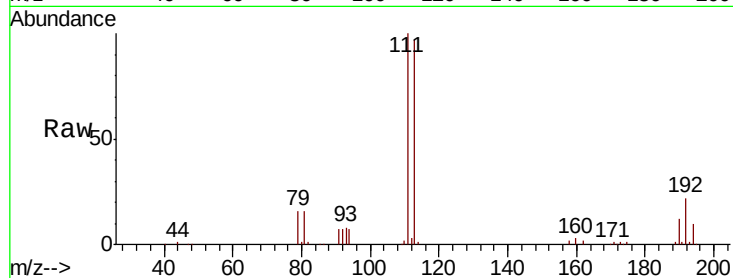




#35
 Dibromofluoromethane
 Concen: 48.71 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050401.D
 Acq: 6 Aug 2018 23:19

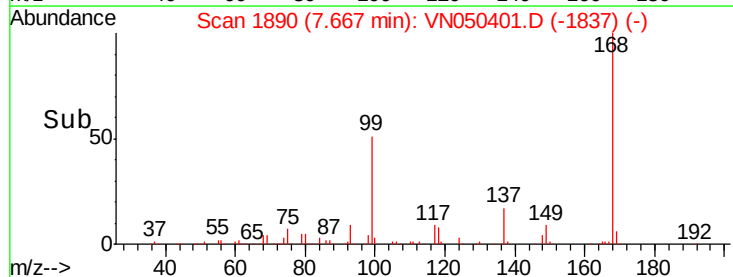
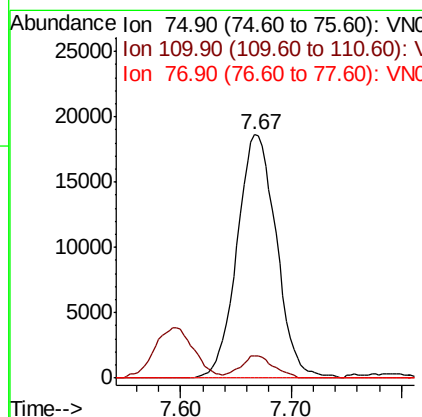
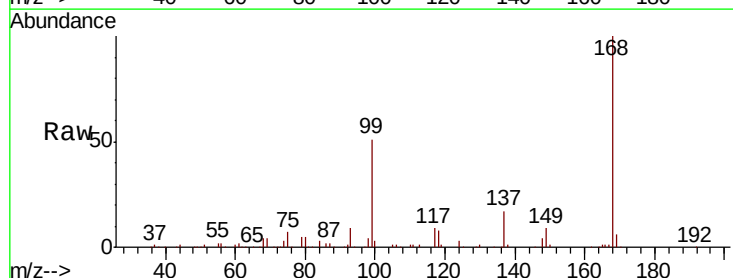
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBL02

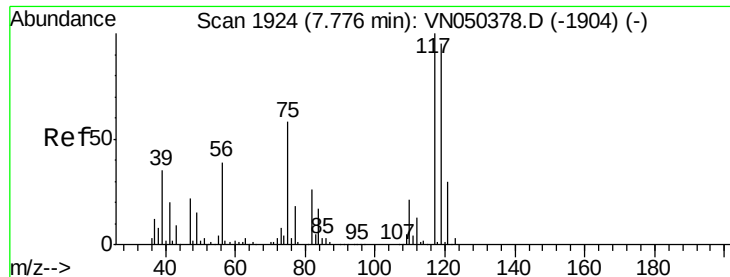
Tot Ion:113 Resp: 405287
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.03 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050401.D
 Acq: 6 Aug 2018 23:19

Tgt Ion: 75 Resp: 45934
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.85 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBL02

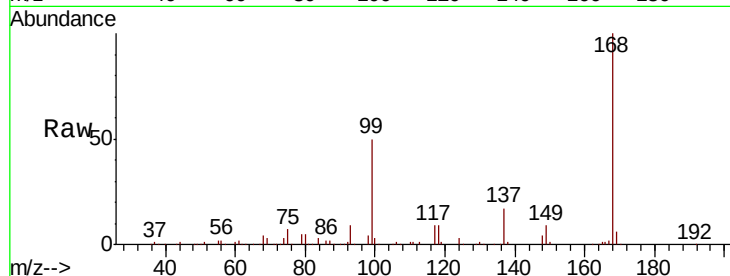
Tot Ion:117 Resp: 57607

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

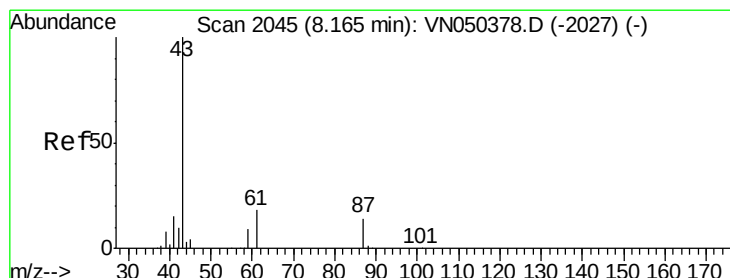
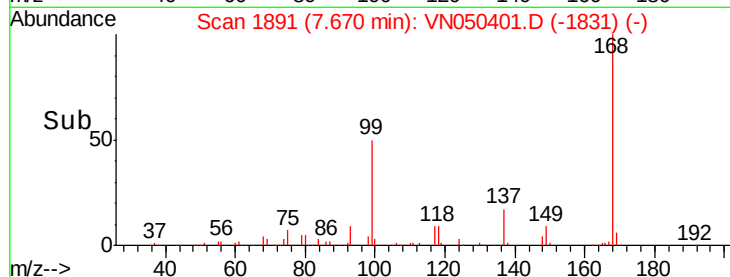
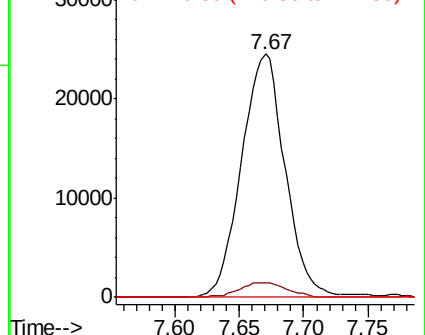
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 4.86 ug/l

RT: 8.27 min Scan# 2076

Delta R.T. 0.10 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

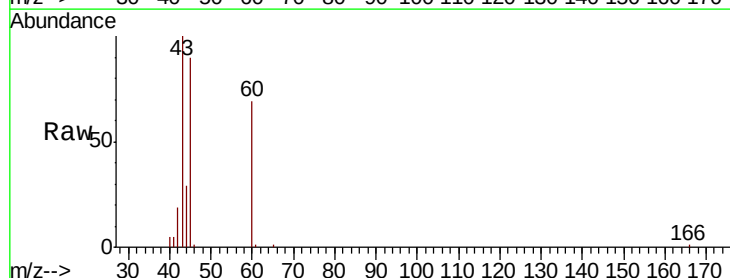
Tgt Ion: 43 Resp: 68811

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

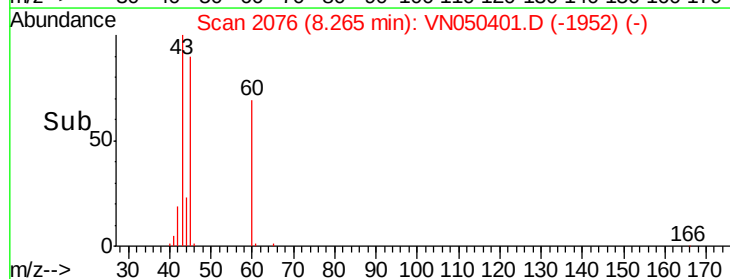
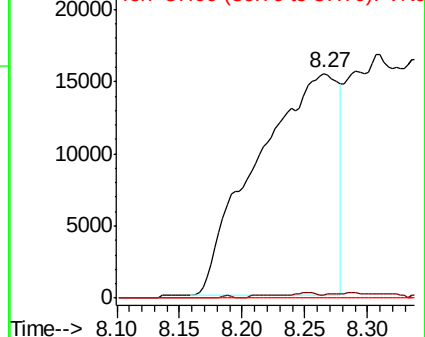
87 0.0 10.3 15.5#

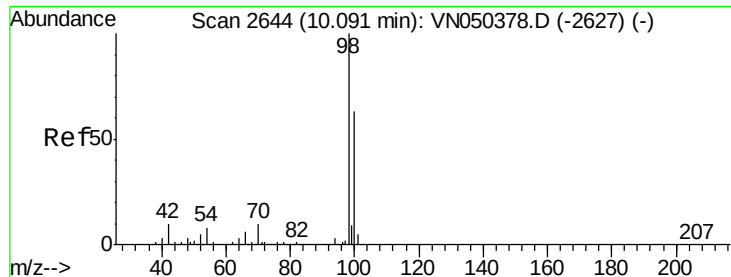


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

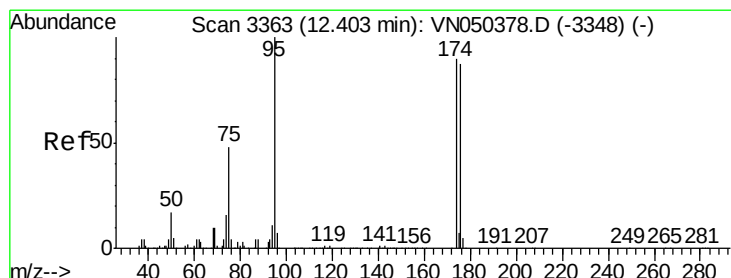
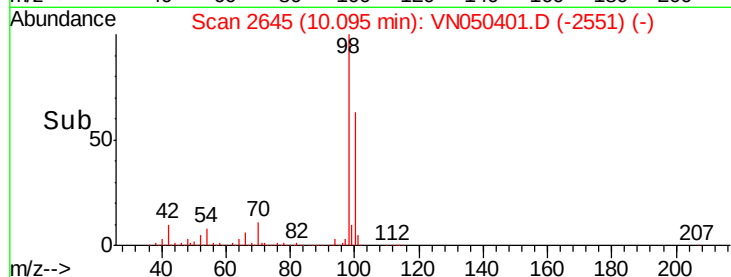
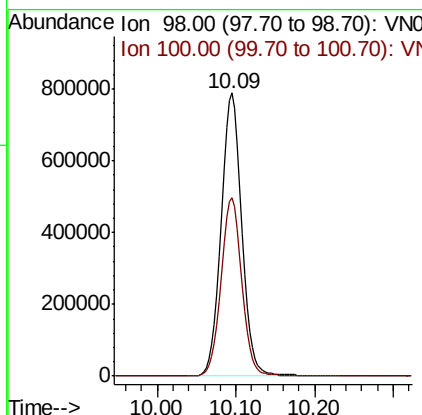
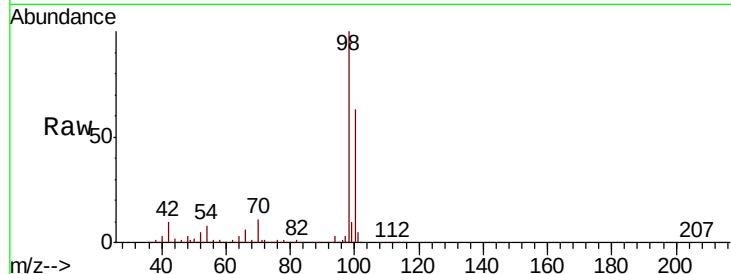




#50
Toluene-d8
Concen: 45.56 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050401.D
Acq: 6 Aug 2018 23:19

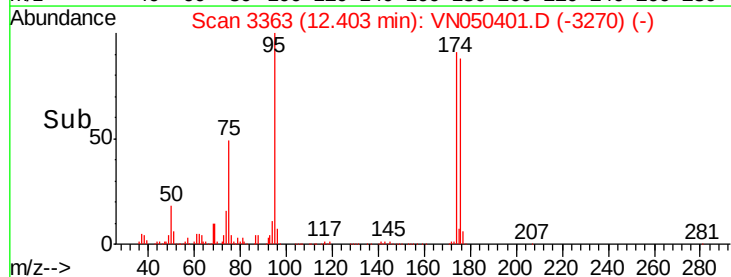
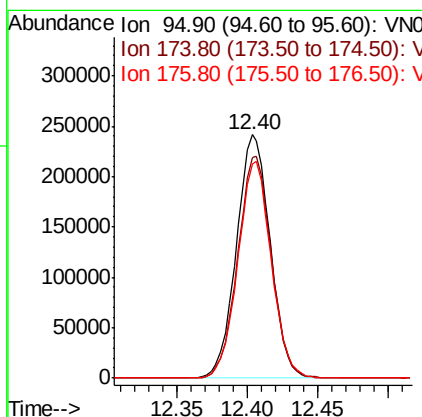
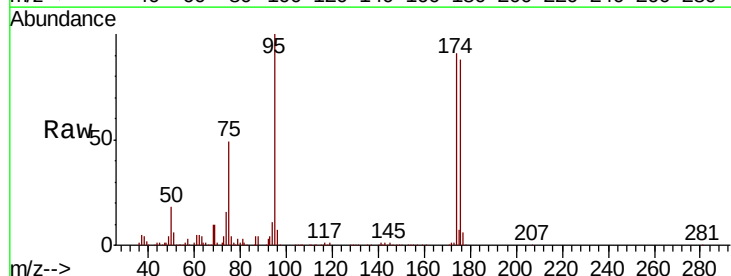
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL02

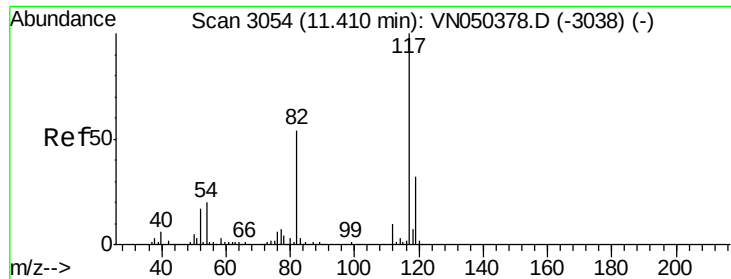
Tot Ion: 98 Resp: 1425245
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 37.93 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050401.D
Acq: 6 Aug 2018 23:19

Tgt Ion: 95 Resp: 404399
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.2
176 87.9 0.0 173.4

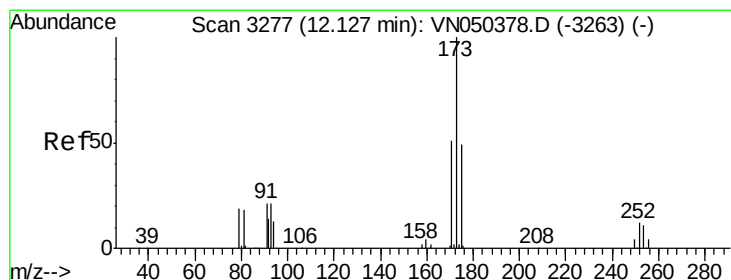
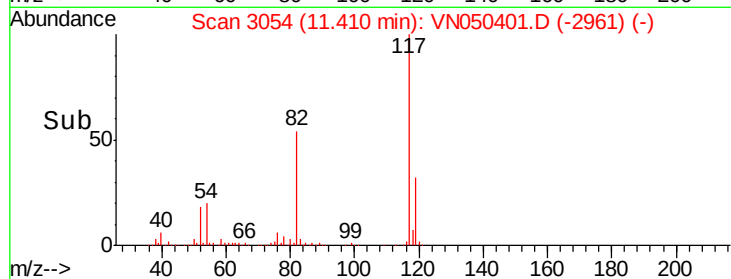
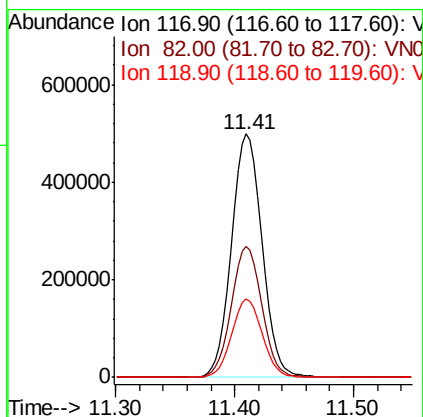
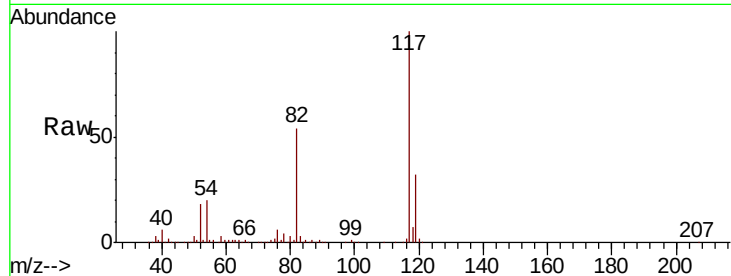




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050401.D
Acq: 6 Aug 2018 23:19

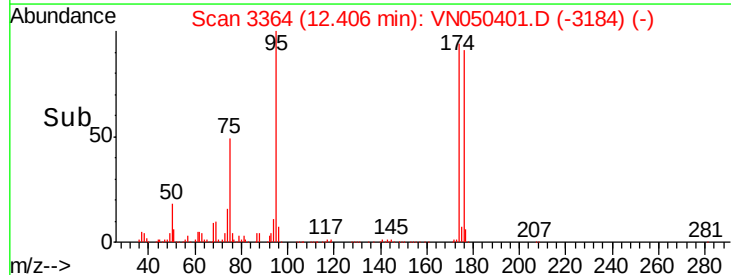
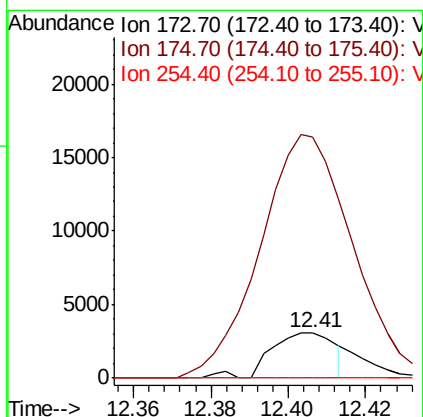
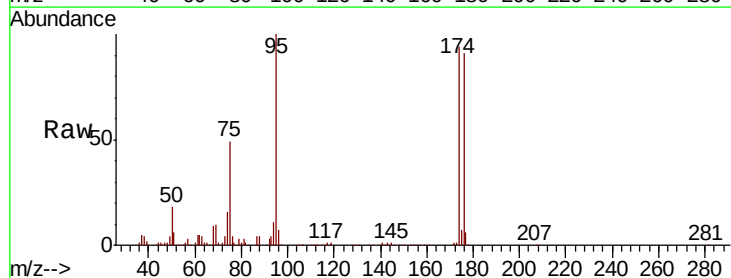
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL02

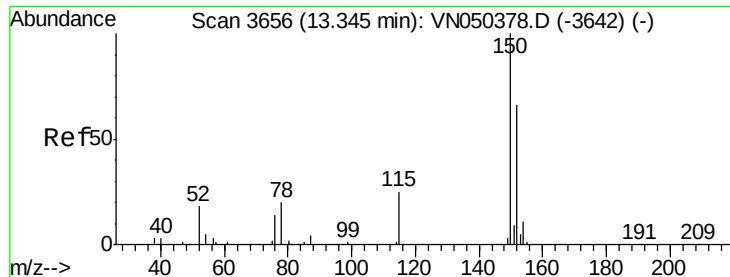
Tot Ion:117 Resp: 889786
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.2 26.1 39.1



#71
Bromoform
Concen: 0.60 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050401.D
Acq: 6 Aug 2018 23:19

Tgt Ion:173 Resp: 3563
Ion Ratio Lower Upper
173 100
175 620.9 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBL02

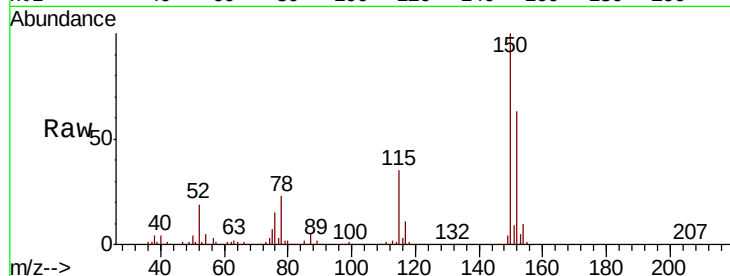
Tot Ion:152 Resp: 351479

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

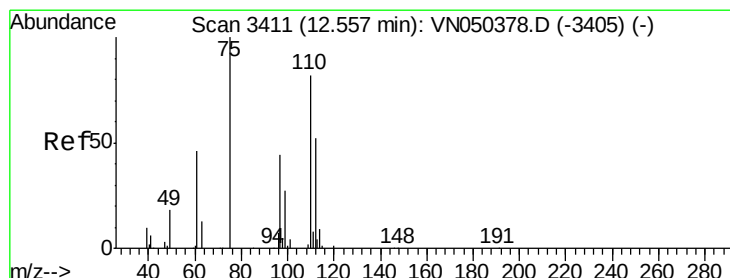
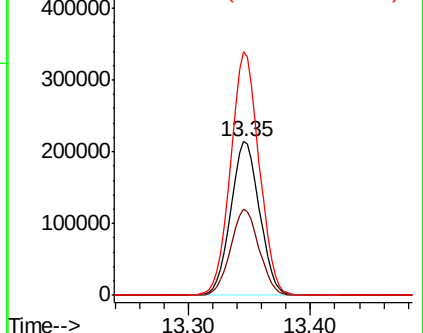
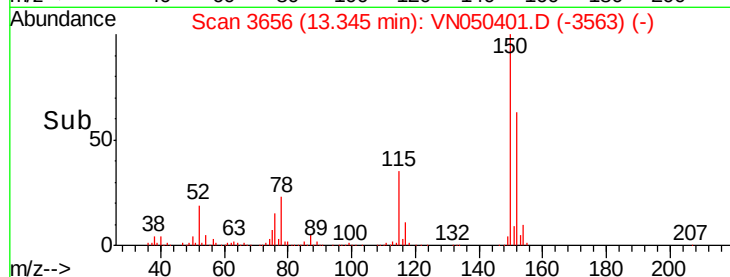
150 157.0 0.0 348.6



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: 30.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050401.D

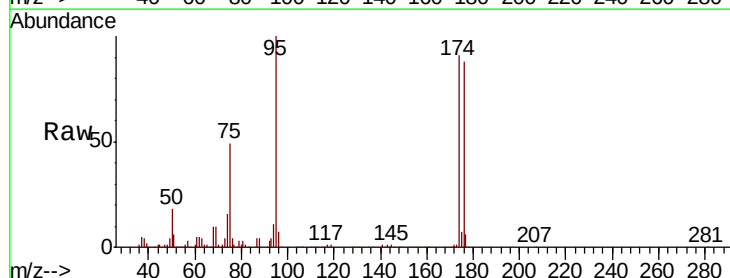
Acq: 6 Aug 2018 23:19

Tgt Ion: 75 Resp: 196279

Ion Ratio Lower Upper

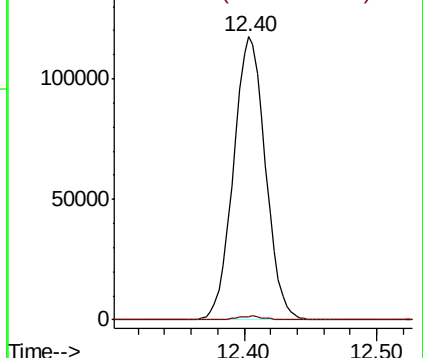
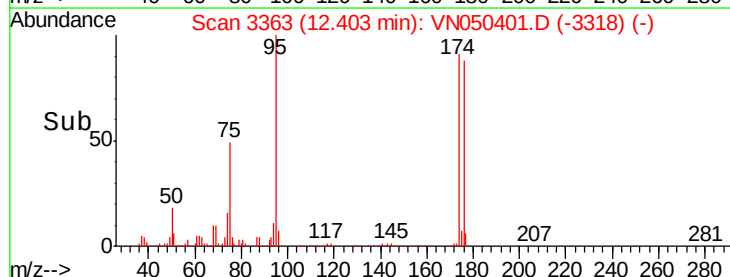
75 100

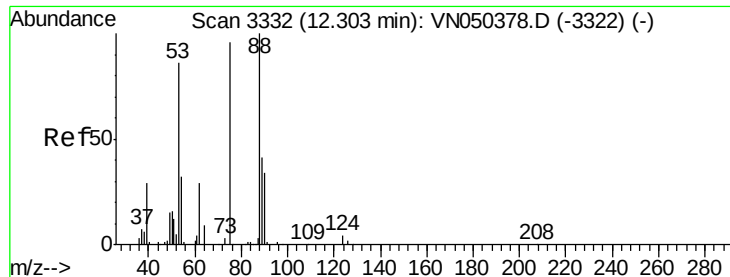
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBL02

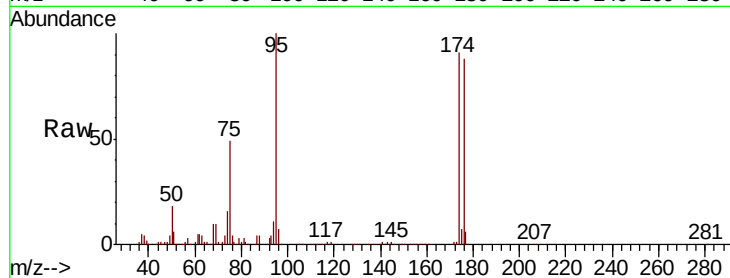
Tot Ion: 75 Resp: 196279

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#

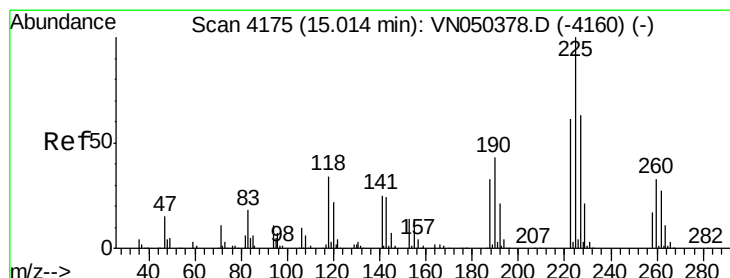
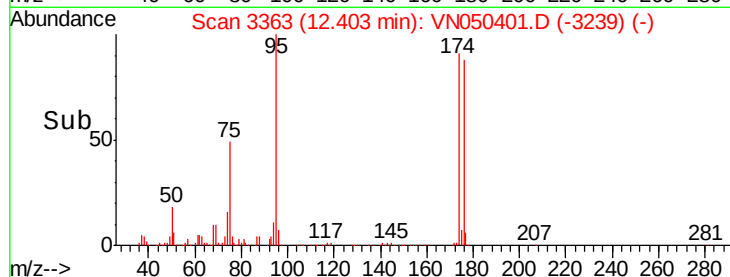
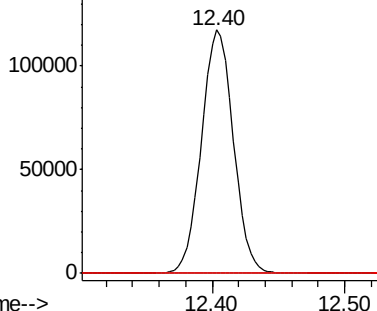


Abundance

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



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN050401.D

Acq: 6 Aug 2018 23:19

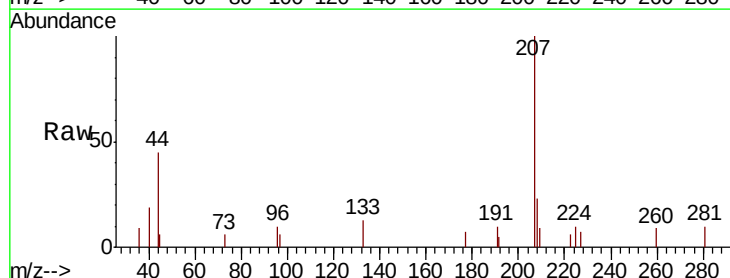
Tgt Ion: 225 Resp: 339

Ion Ratio Lower Upper

225 100

223 67.8 31.4 94.2

227 75.8 32.1 96.5

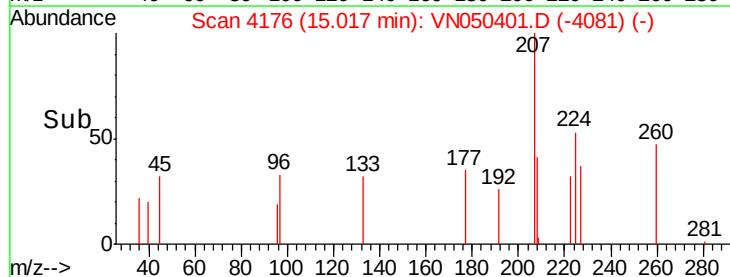
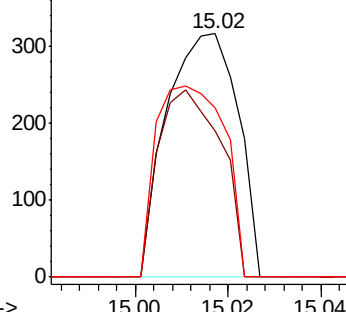


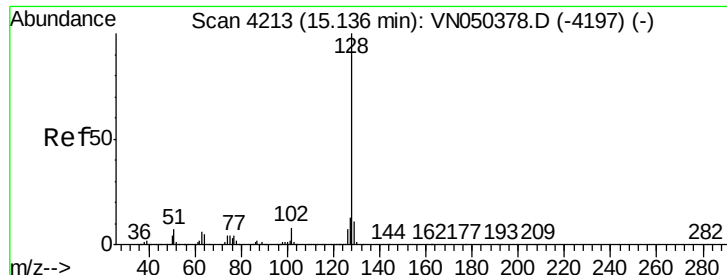
Abundance

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

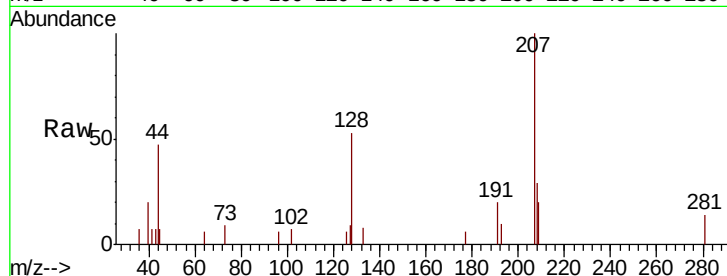




#95
Naphthalene
Concen: 3.75 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN050401.D
Acq: 6 Aug 2018 23:19

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.1	10.4	15.6#
129	3.9	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

