

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050516.D
 Acq On : 10 Aug 2018 14:32
 Operator : MD\SY
 Sample : J4420-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Aug 10 23:16:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	740388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	374644	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	481498	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	445000	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.09	98	1589236	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
62) 4-Bromofluorobenzene	12.40	95	445774	38.01	ug/l	0.00
Spiked Amount			Recovery	=	76.02%	

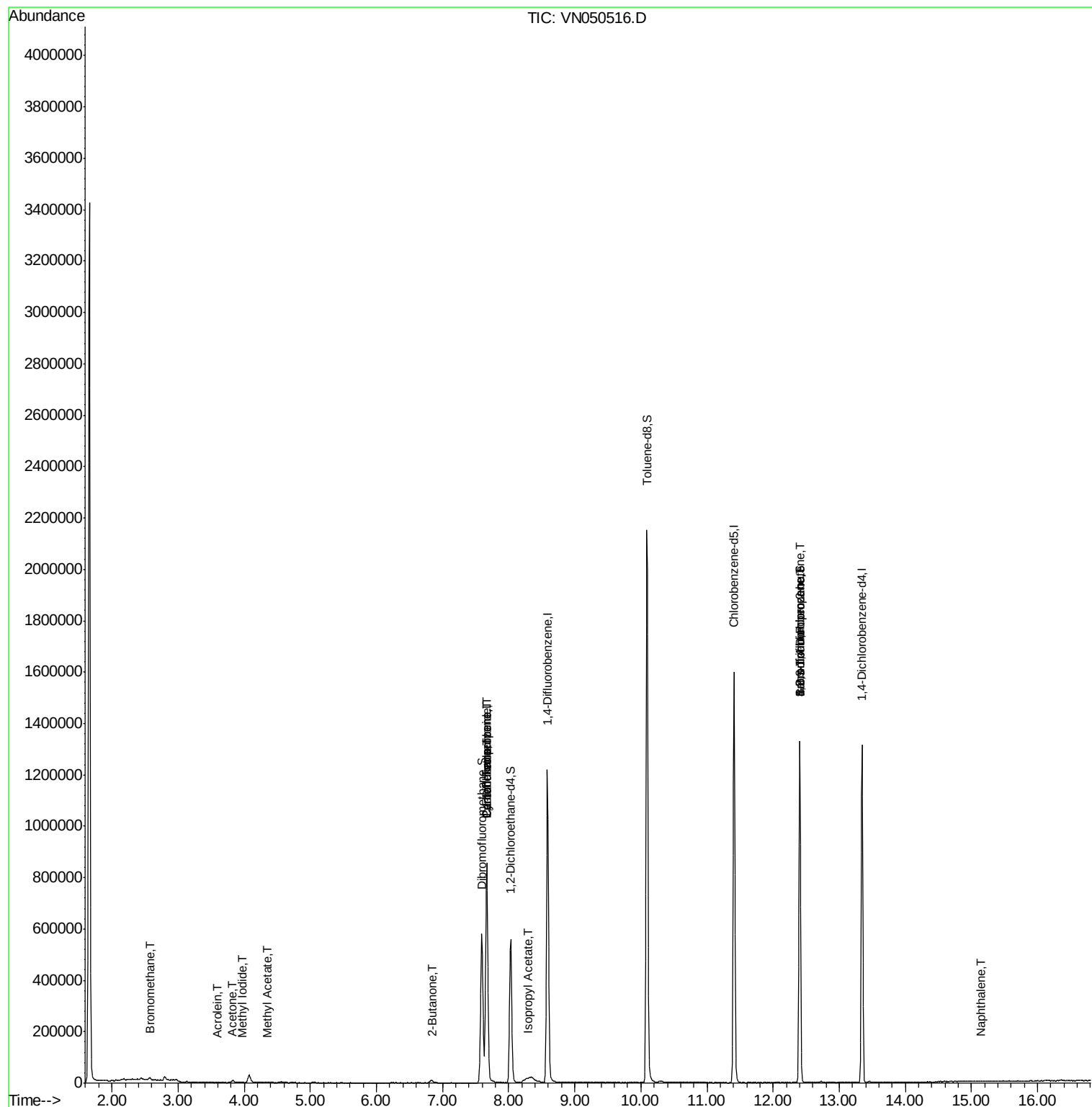
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3455	Below Cal		99
5) Bromomethane	2.57	94	5103	1.16	ug/l #	79
10) Methyl Iodide	3.96	142	1589	0.42	ug/l #	79
13) Acrolein	3.60	56	60	15.08	ug/l #	15
16) Acetone	3.82	43	16373	5.20	ug/l	96
18) Methyl Acetate	4.35	43	4597	0.41	ug/l #	70
20) Methylene Chloride	4.55	84	1276	Below Cal		92
25) 2-Butanone	6.85	43	1030	0.21	ug/l #	48
31) Cyclohexane	7.67	56	13513	0.33	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	50507	4.03	ug/l #	48
38) Carbon Tetrachloride	7.67	117	64937	4.97	ug/l #	16
43) Isopropyl Acetate	8.29	43	23432	1.50	ug/l #	61
71) Bromoform	12.40	173	3688	0.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	214943	31.70	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	214943	111.36	ug/l #	13
95) Naphthalene	15.14	128	955	3.67	ug/l #	69

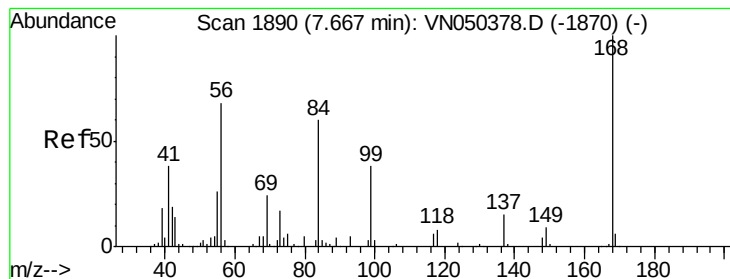
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081018\
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

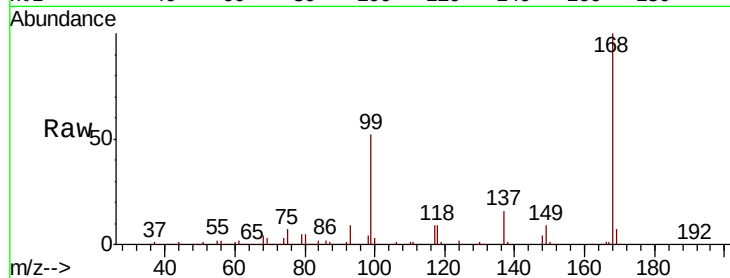
MW-4

Tot Ion:168 Resp: 740388

Ion Ratio Lower Upper

168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

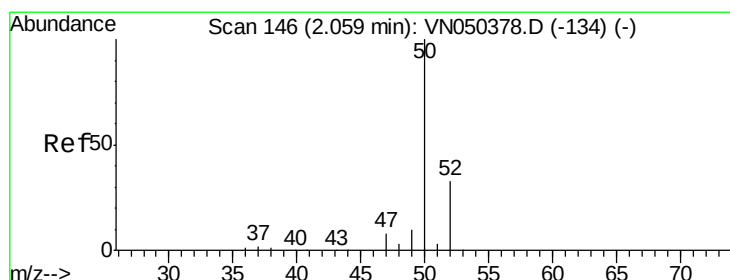
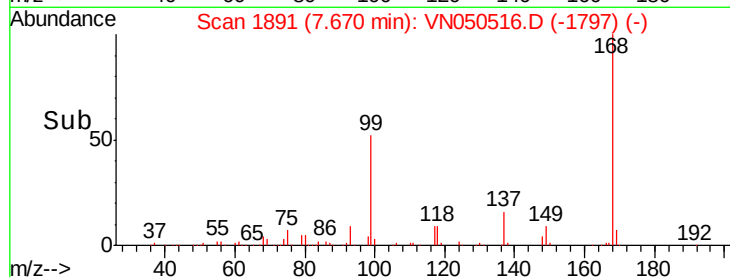
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050516.D

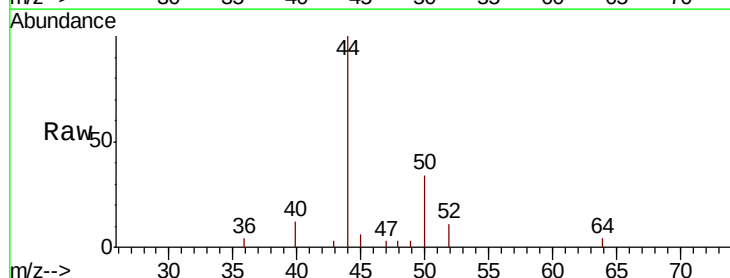
Acq: 10 Aug 2018 14:32

Tgt Ion: 50 Resp: 3455

Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2500

2000

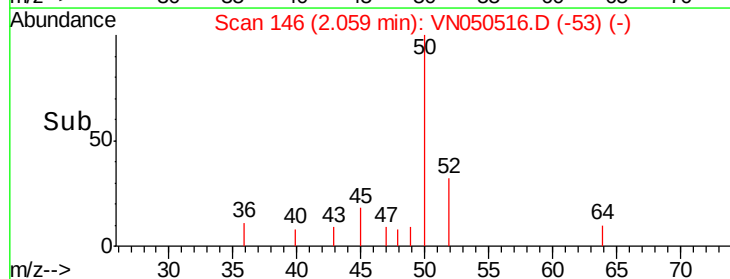
1500

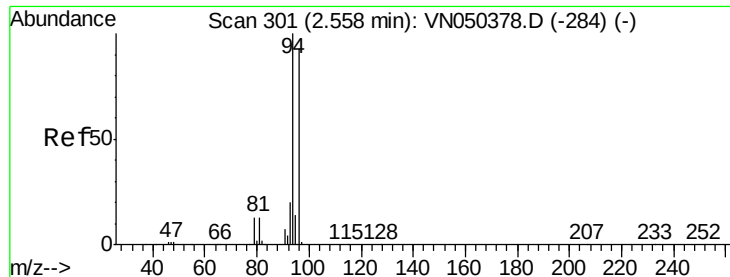
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.16 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

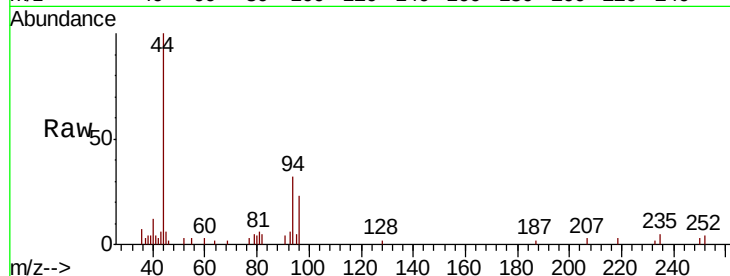
MW-4

Tot Ion: 94 Resp: 5103

Ion Ratio Lower Upper

94 100

96 73.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2500

2000

1500

1000

500

0

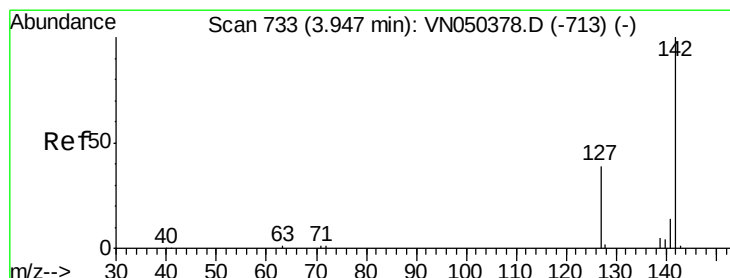
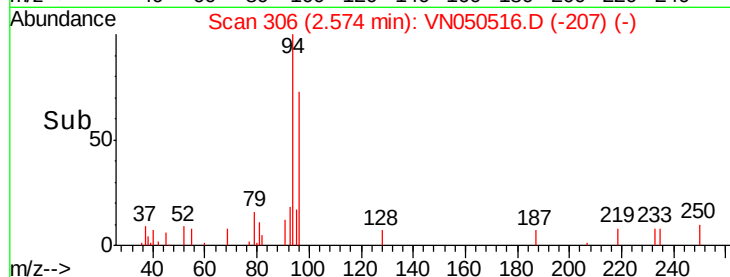
Time-->

2.50

2.55

2.60

2.65



#10

Methyl Iodide

Concen: 0.42 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.02 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

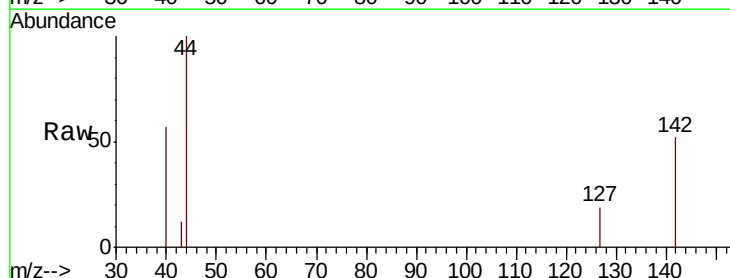
Tgt Ion: 142 Resp: 1589

Ion Ratio Lower Upper

142 100

127 31.7 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

600

400

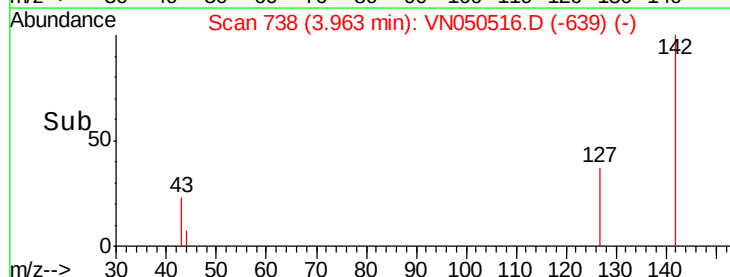
200

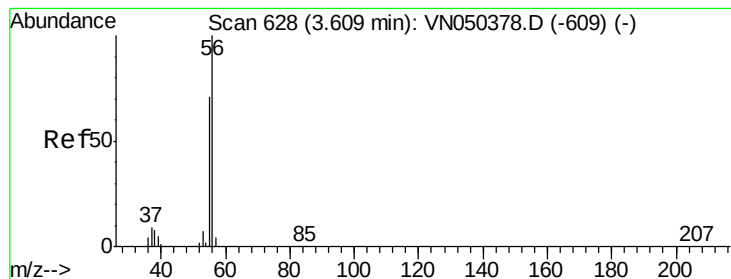
0

Time-->

3.90

3.95





#13

Acrolein

Concen: 15.08 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

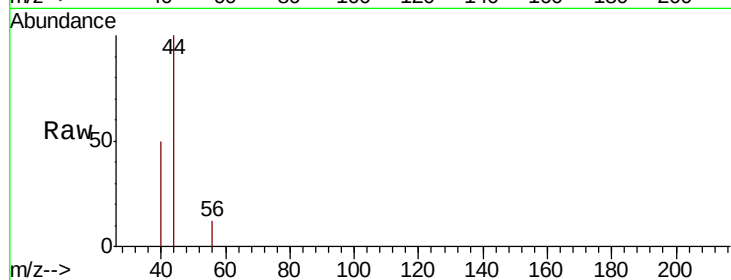
MW-4

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

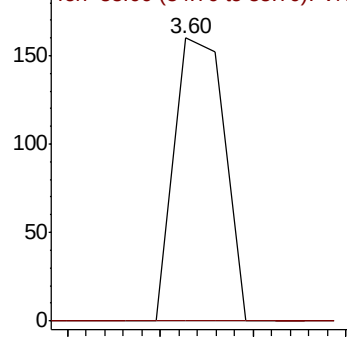
56 100

55 0.0 55.8 83.6#

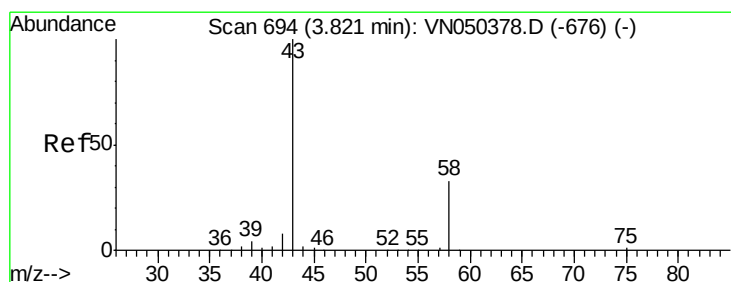
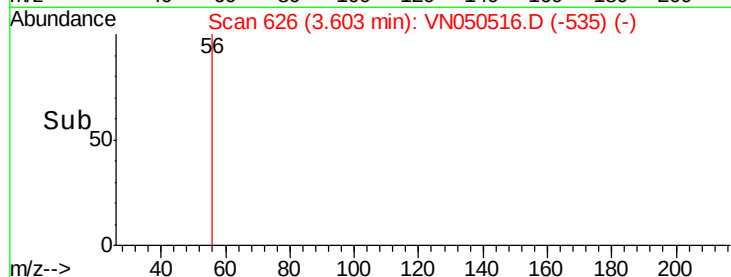


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 5.20 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050516.D

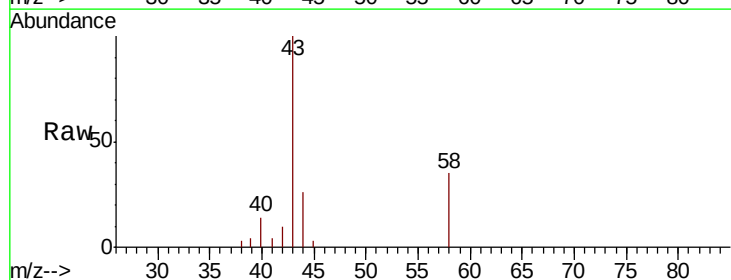
Acq: 10 Aug 2018 14:32

Tgt Ion: 43 Resp: 16373

Ion Ratio Lower Upper

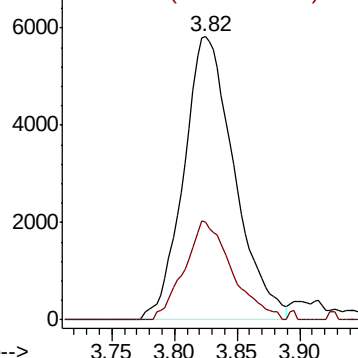
43 100

58 34.7 25.8 38.8

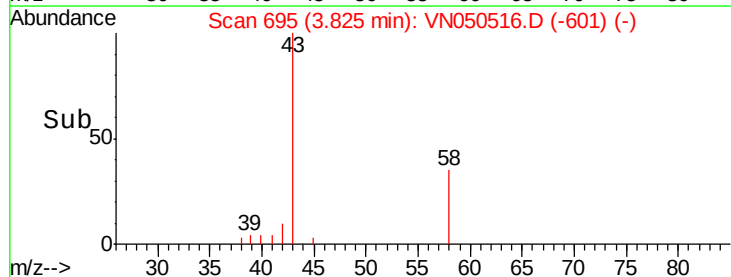


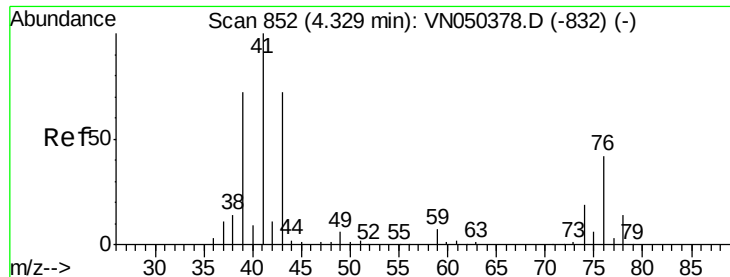
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#18

Methyl Acetate

Concen: 0.41 ug/l

RT: 4.35 min Scan# 857

Delta R.T. 0.02 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

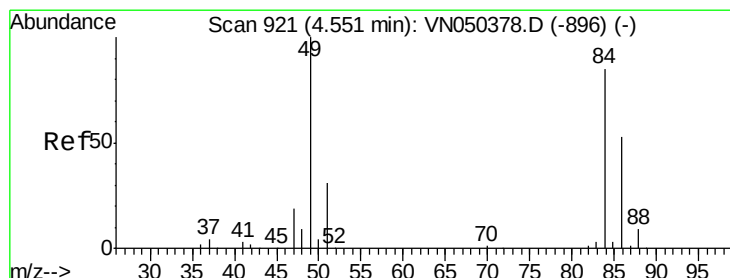
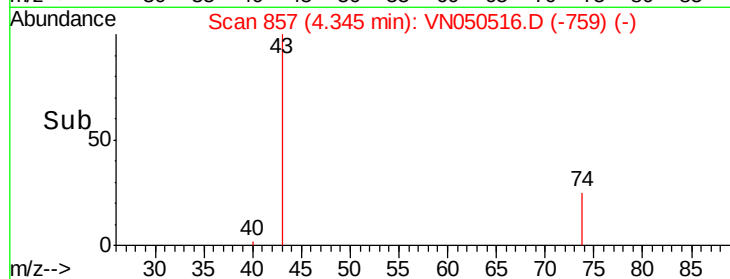
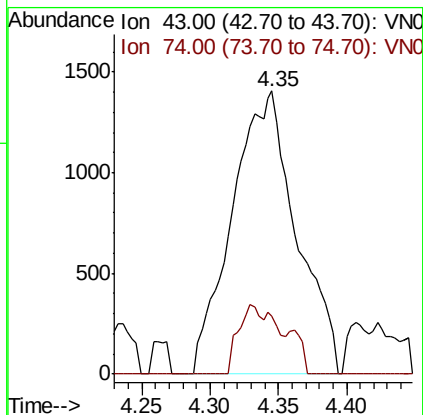
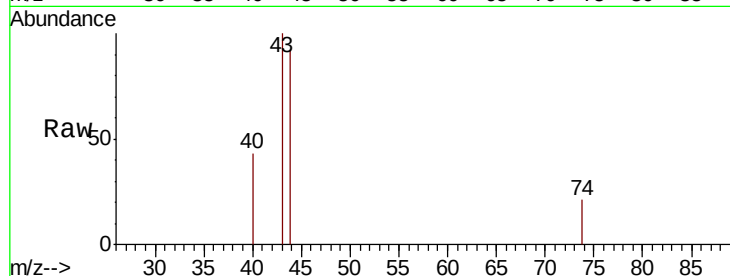
MW-4

Tot Ion: 43 Resp: 4597

Ion Ratio Lower Upper

43 100

74 9.1 19.2 28.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

Tgt Ion: 84 Resp: 1276

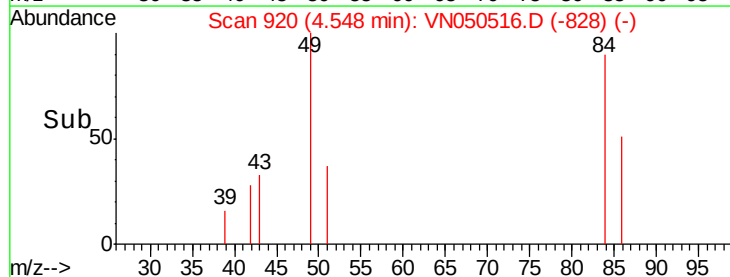
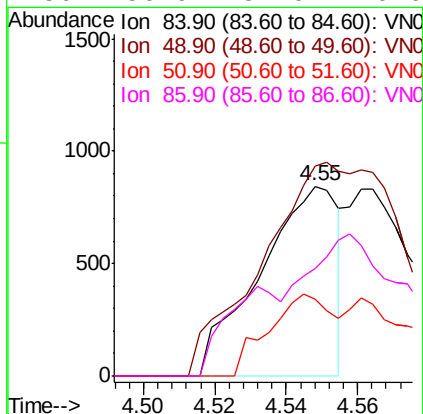
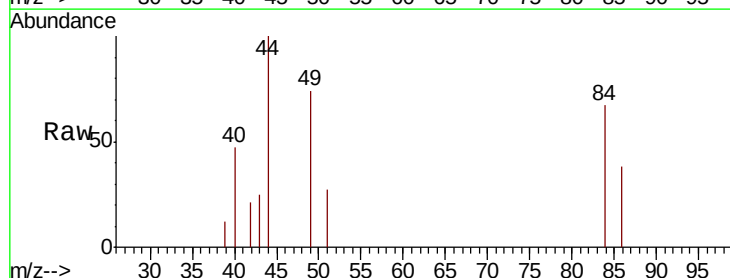
Ion Ratio Lower Upper

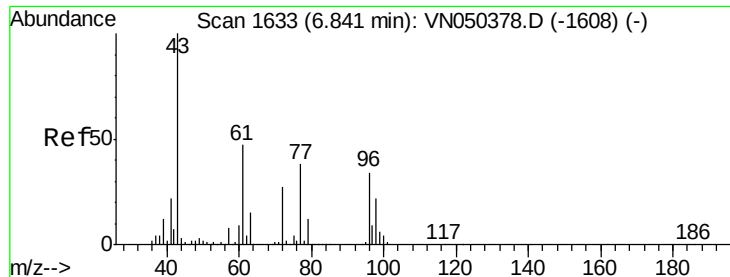
84 100

49 110.9 94.8 142.2

51 40.5 28.3 42.5

86 56.9 51.0 76.6

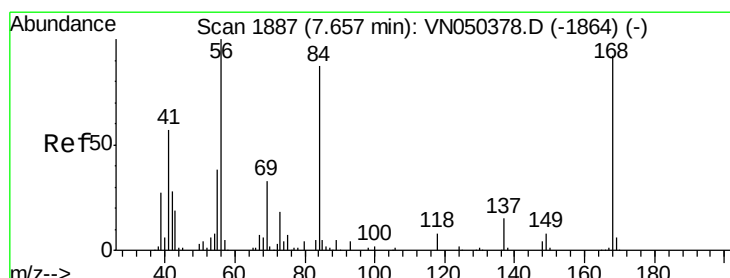
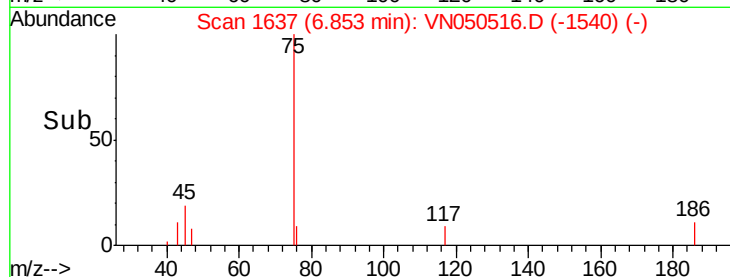
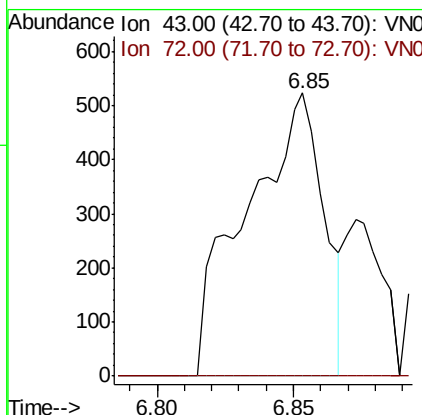
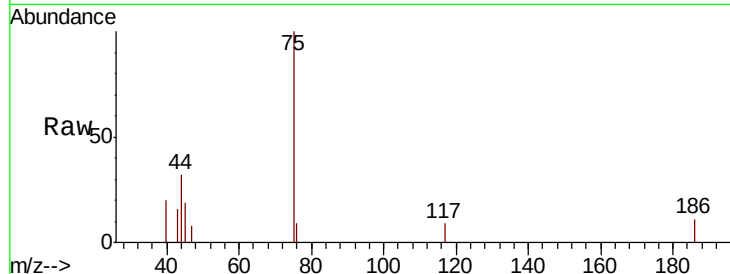




#25
2-Butanone
Concen: 0.21 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

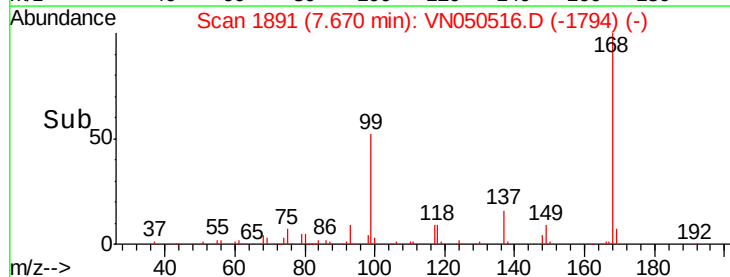
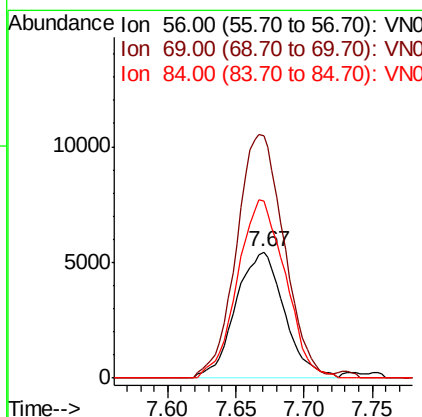
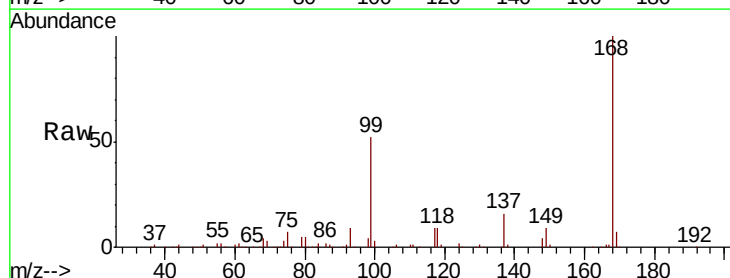
Instrument :
MSVOA_N
ClientSampleId :
MW-4

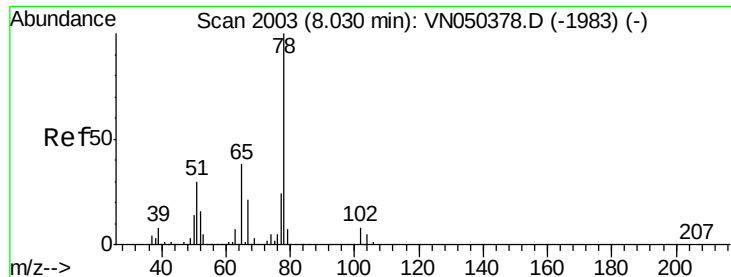
Tot Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 0.33 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

Tgt Ion: 56 Resp: 13513
Ion Ratio Lower Upper
56 100
69 192.7 26.2 39.4#
84 140.2 67.4 101.0#

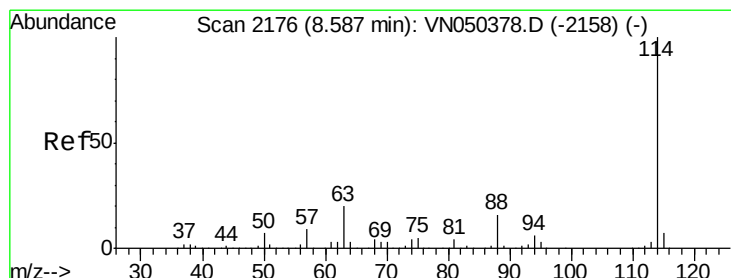
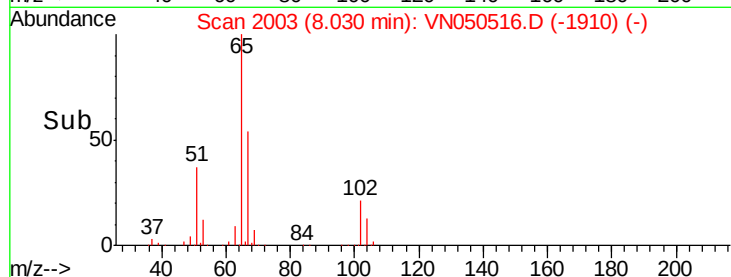
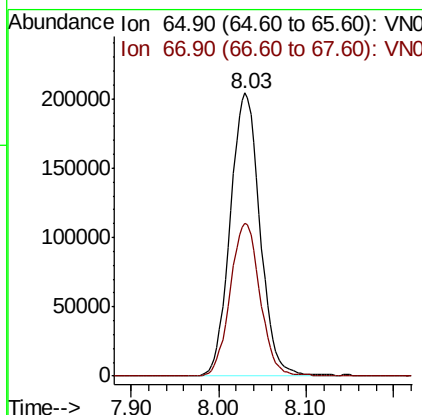
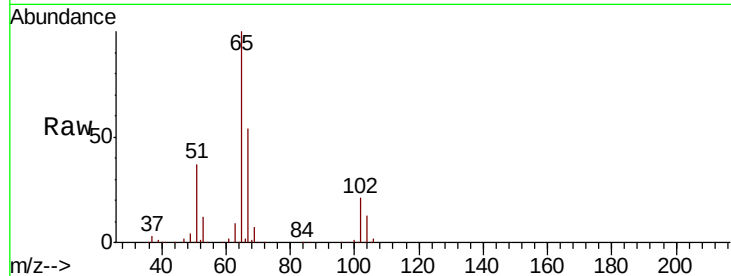




#33
 1,2-Dichloroethane-d4
 Concen: 48.67 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050516.D
 Acq: 10 Aug 2018 14:32

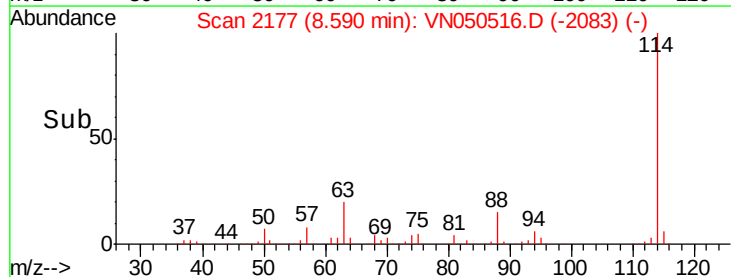
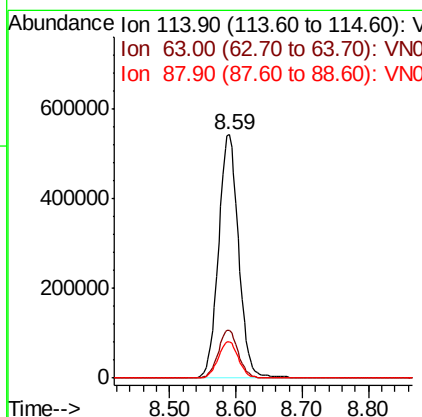
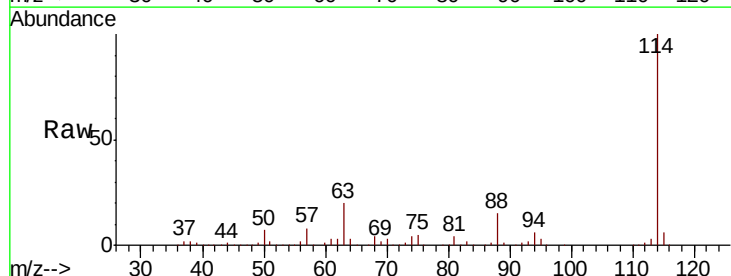
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

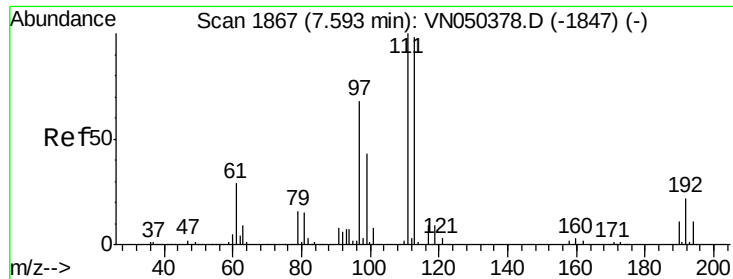
Tot Ion: 65 Resp: 481498
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050516.D
 Acq: 10 Aug 2018 14:32

Tgt Ion: 114 Resp: 1140447
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.1 0.0 31.2

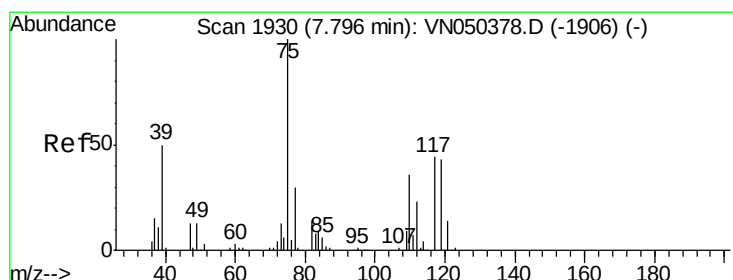
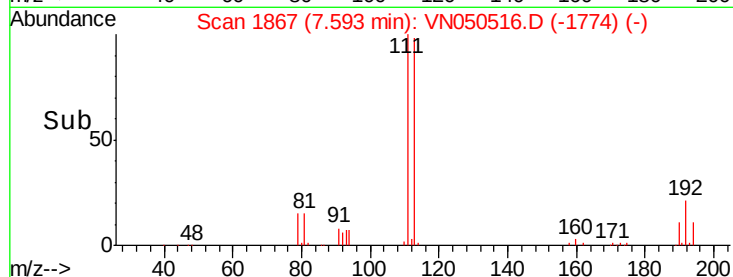
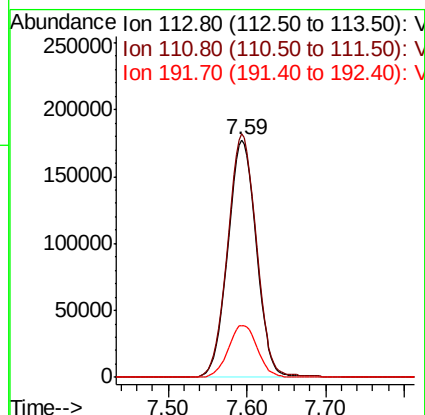
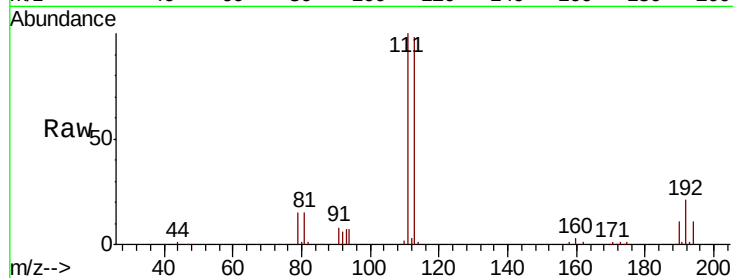




#35
 Dibromofluoromethane
 Concen: 48.63 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050516.D
 Acq: 10 Aug 2018 14:32

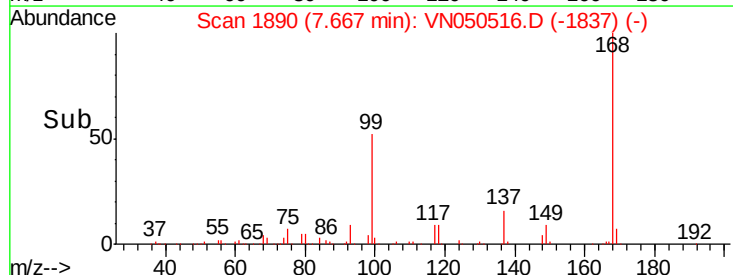
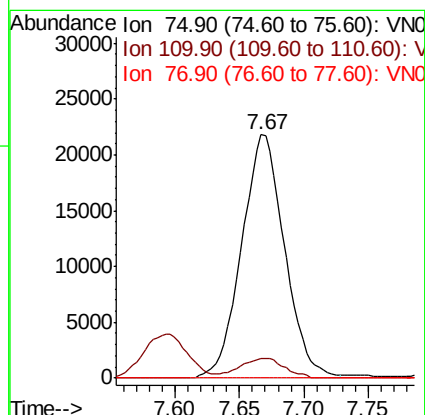
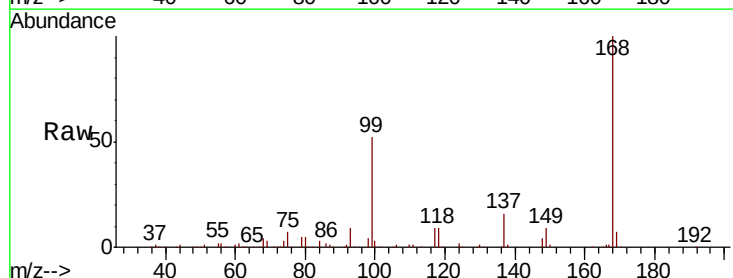
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

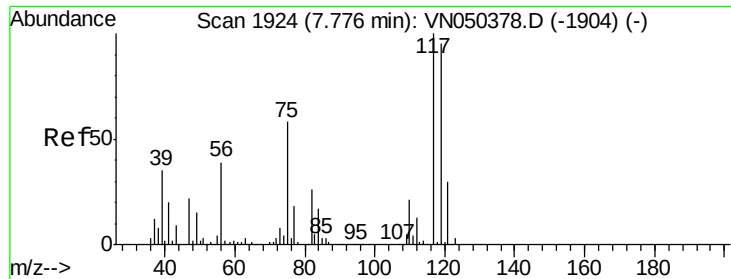
Tot Ion:113 Resp: 445000
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.03 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050516.D
 Acq: 10 Aug 2018 14:32

Tgt Ion: 75 Resp: 50507
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 25.3 37.9#

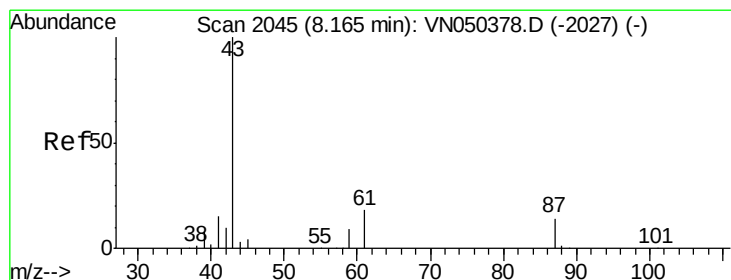
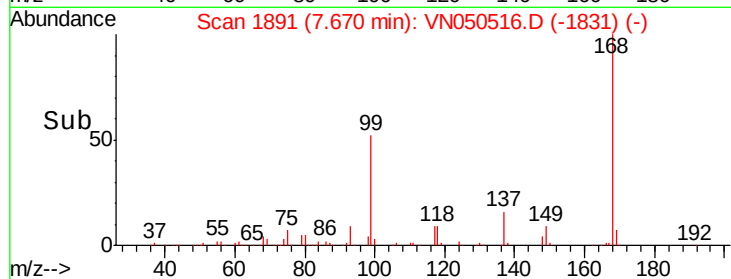
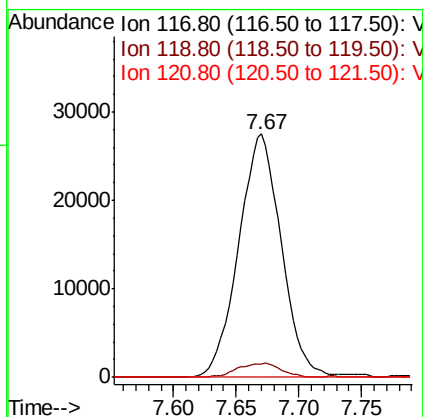
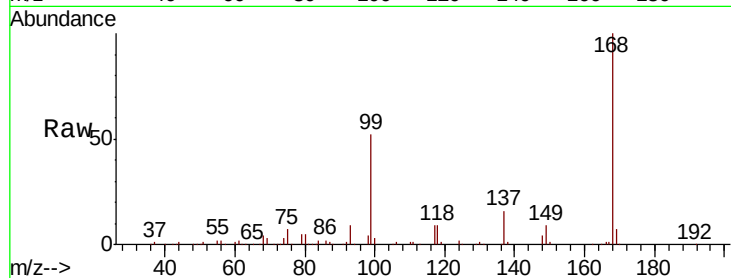




#38
Carbon Tetrachloride
Concen: 4.97 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

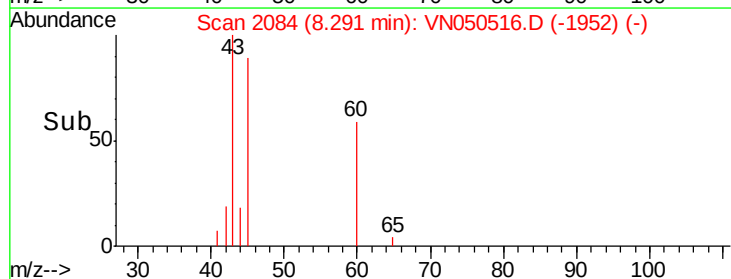
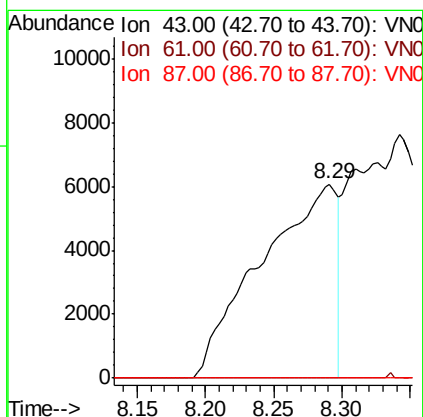
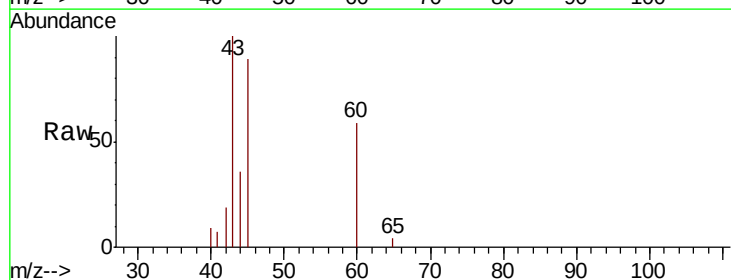
Instrument :
MSVOA_N
ClientSampled :
MW-4

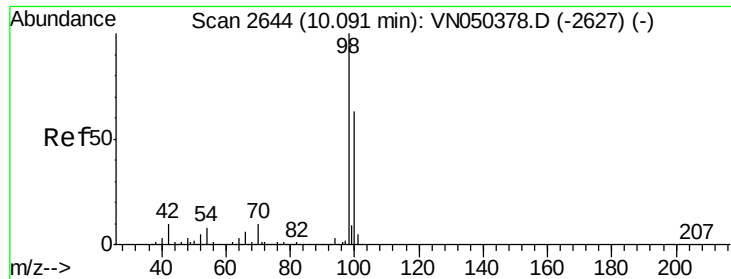
Tot Ion:117 Resp: 64937
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 1.50 ug/l
RT: 8.29 min Scan# 2084
Delta R.T. 0.13 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

Tgt Ion: 43 Resp: 23432
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#

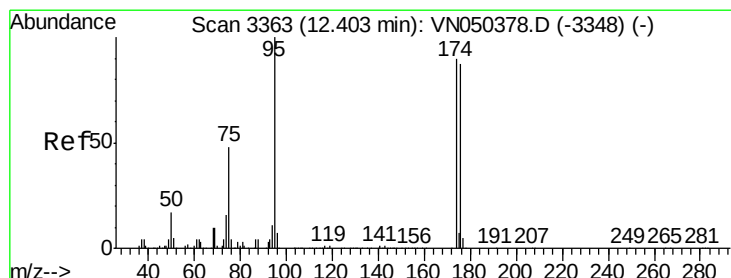
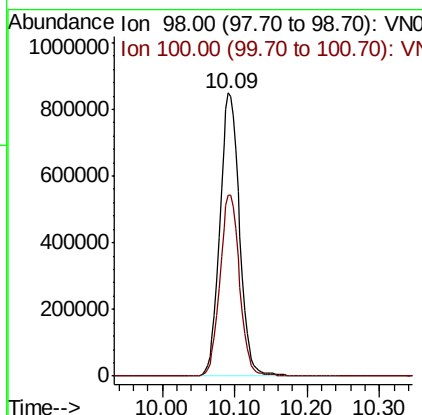
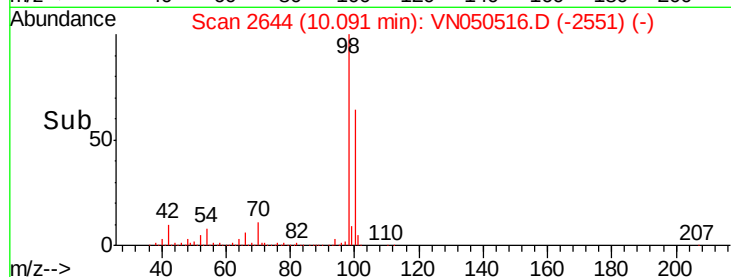
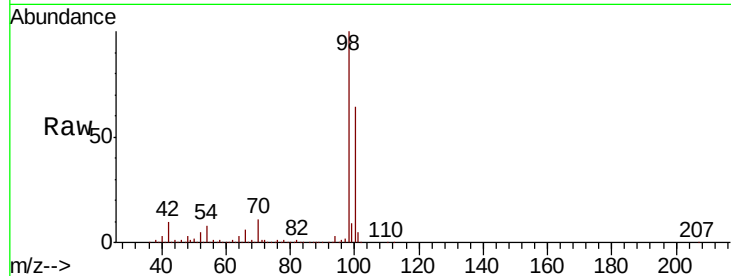




#50
Toluene-d8
Concen: 46.19 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

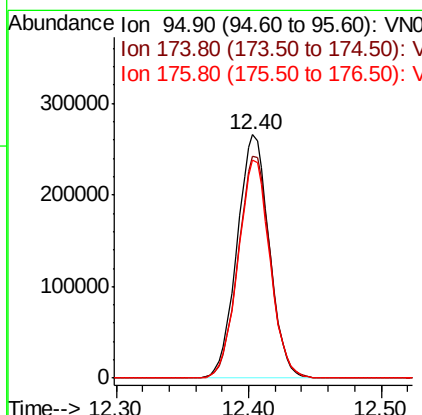
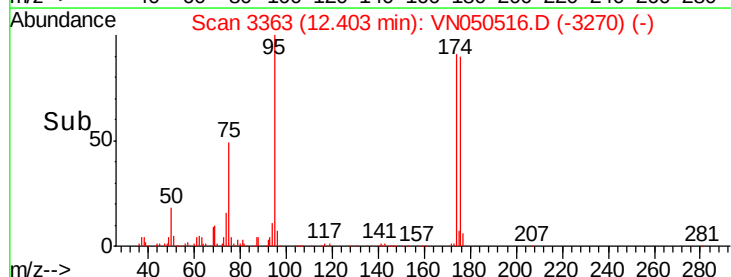
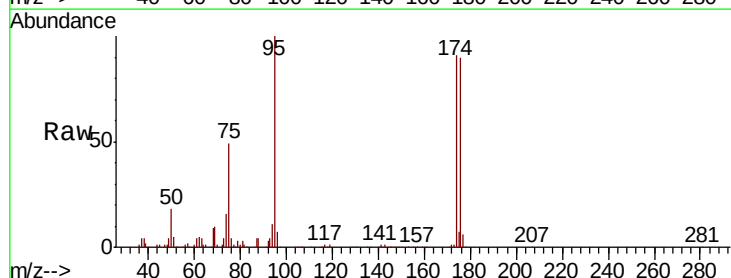
Instrument :
MSVOA_N
ClientSampleId :
MW-4

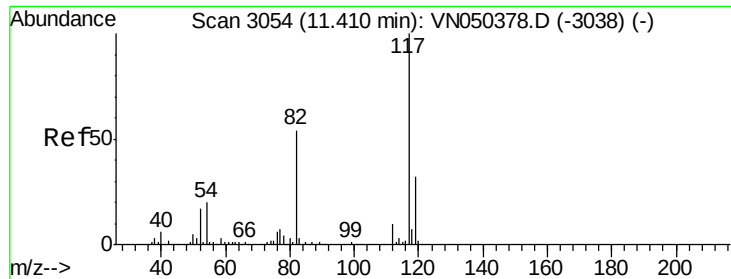
Tot Ion: 98 Resp: 1589236
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 38.01 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

Tgt Ion: 95 Resp: 445774
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 89.0 0.0 173.4

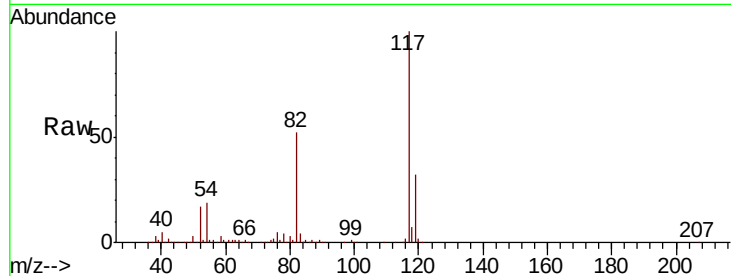




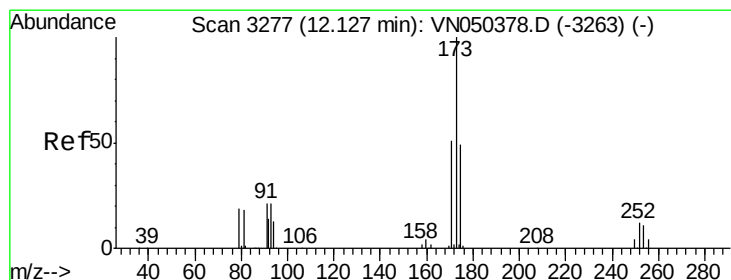
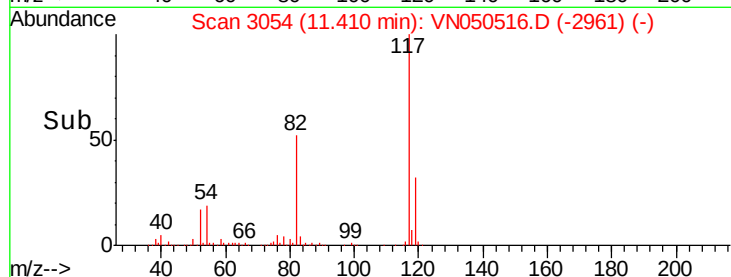
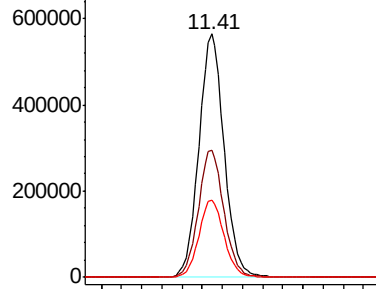
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion:117 Resp: 985313
Ion Ratio Lower Upper
117 100
82 52.4 43.7 65.5
119 31.9 26.1 39.1

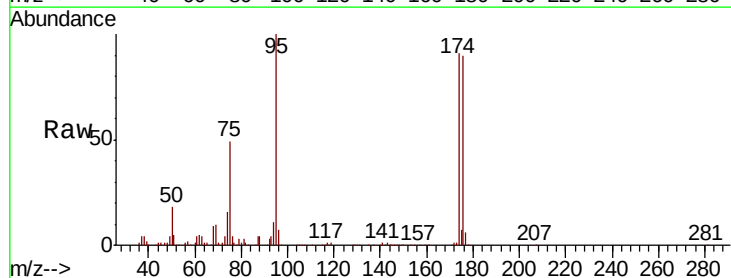


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

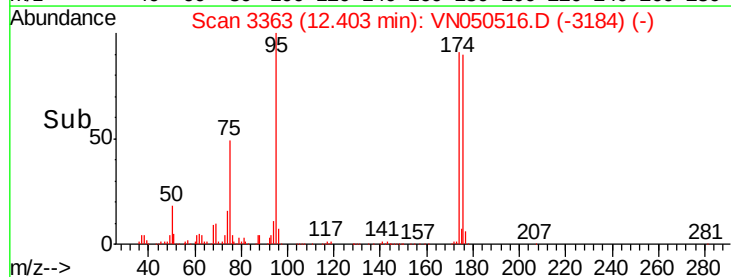
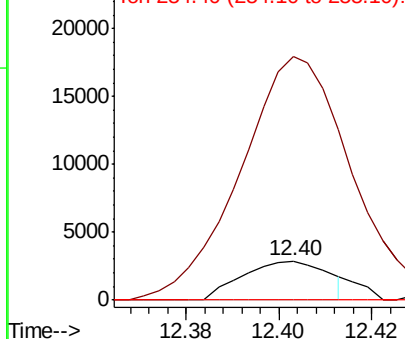


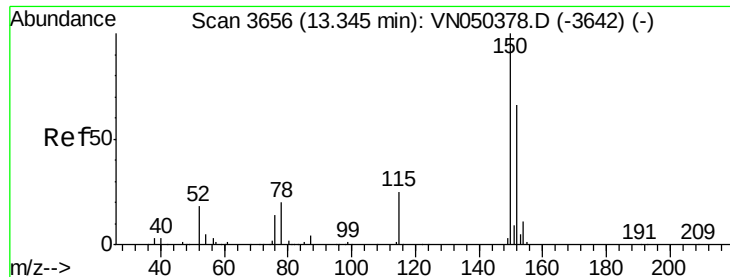
#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050516.D
Acq: 10 Aug 2018 14:32

Tgt Ion:173 Resp: 3688
Ion Ratio Lower Upper
173 100
175 671.0 24.1 72.2#
254 0.0 0.2 0.2#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

MW-4

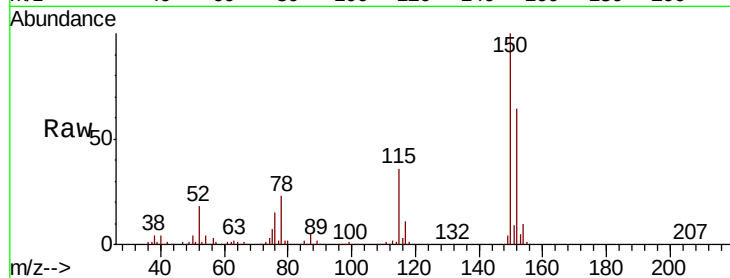
Tot Ion:152 Resp: 374644

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

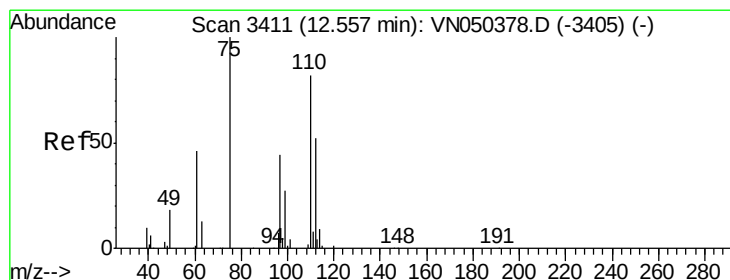
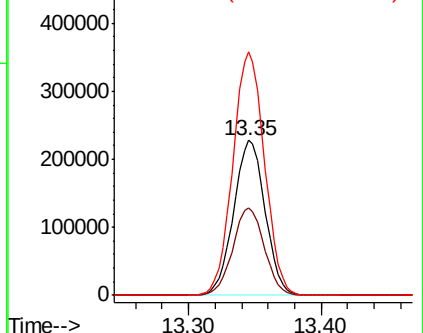
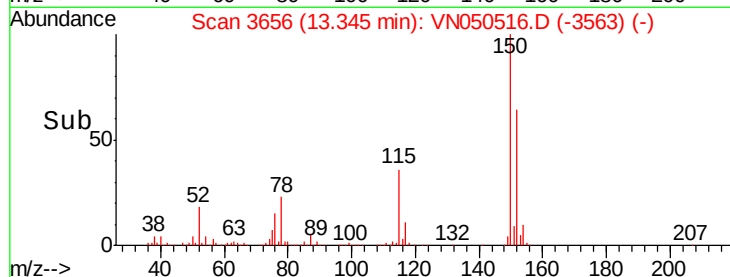
150 157.8 0.0 348.6



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: 31.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050516.D

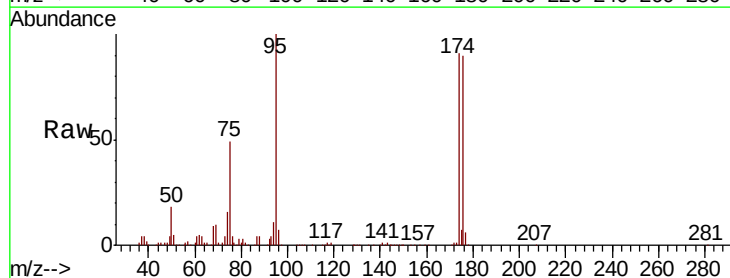
Acq: 10 Aug 2018 14:32

Tgt Ion: 75 Resp: 214943

Ion Ratio Lower Upper

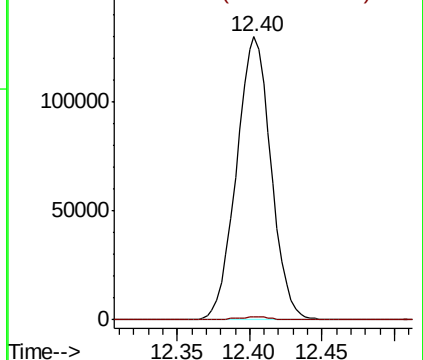
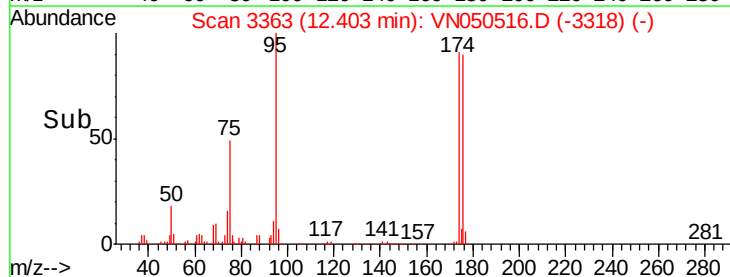
75 100

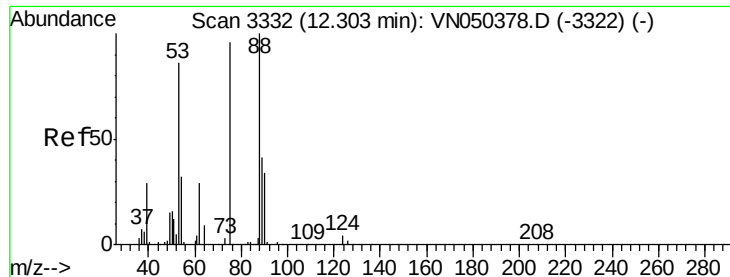
77 1.1 0.0 0.0#



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: 111.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

MW-4

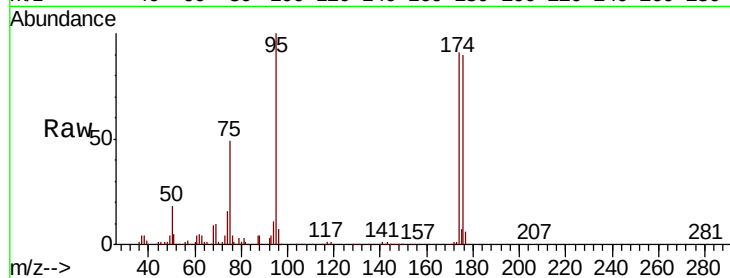
Tot Ion: 75 Resp: 214943

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

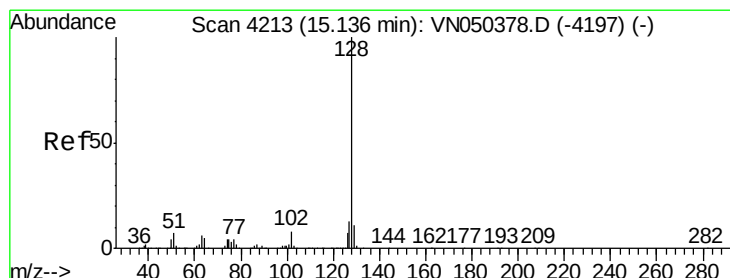
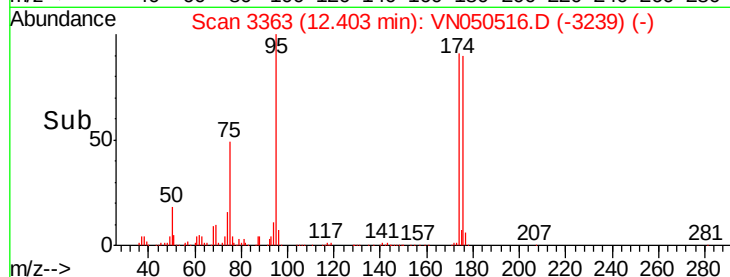
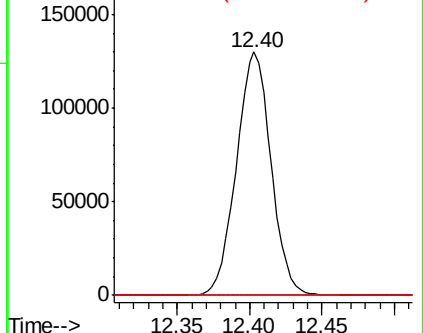
89 0.0 36.0 54.0#



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



#95

Naphthalene

Concen: 3.67 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050516.D

Acq: 10 Aug 2018 14:32

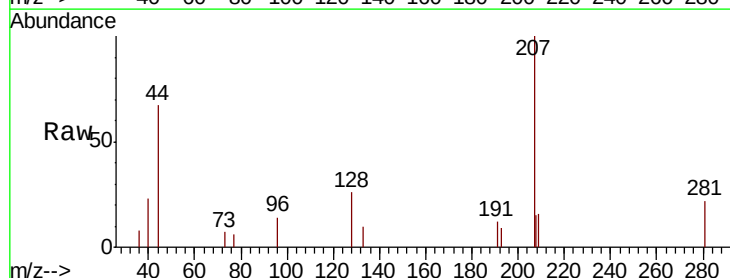
Tgt Ion: 128 Resp: 955

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

