

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050508.D
 Acq On : 10 Aug 2018 11:12
 Operator : MD\SY
 Sample : VN0810WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBL01

Quant Time: Aug 10 23:13:06 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	781338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1207570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1056759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	401105	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	505588	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	7.59	113	466175	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	10.09	98	1710621	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.40	95	479292	38.60	ug/l	0.00
Spiked Amount			Recovery	=	77.20%	

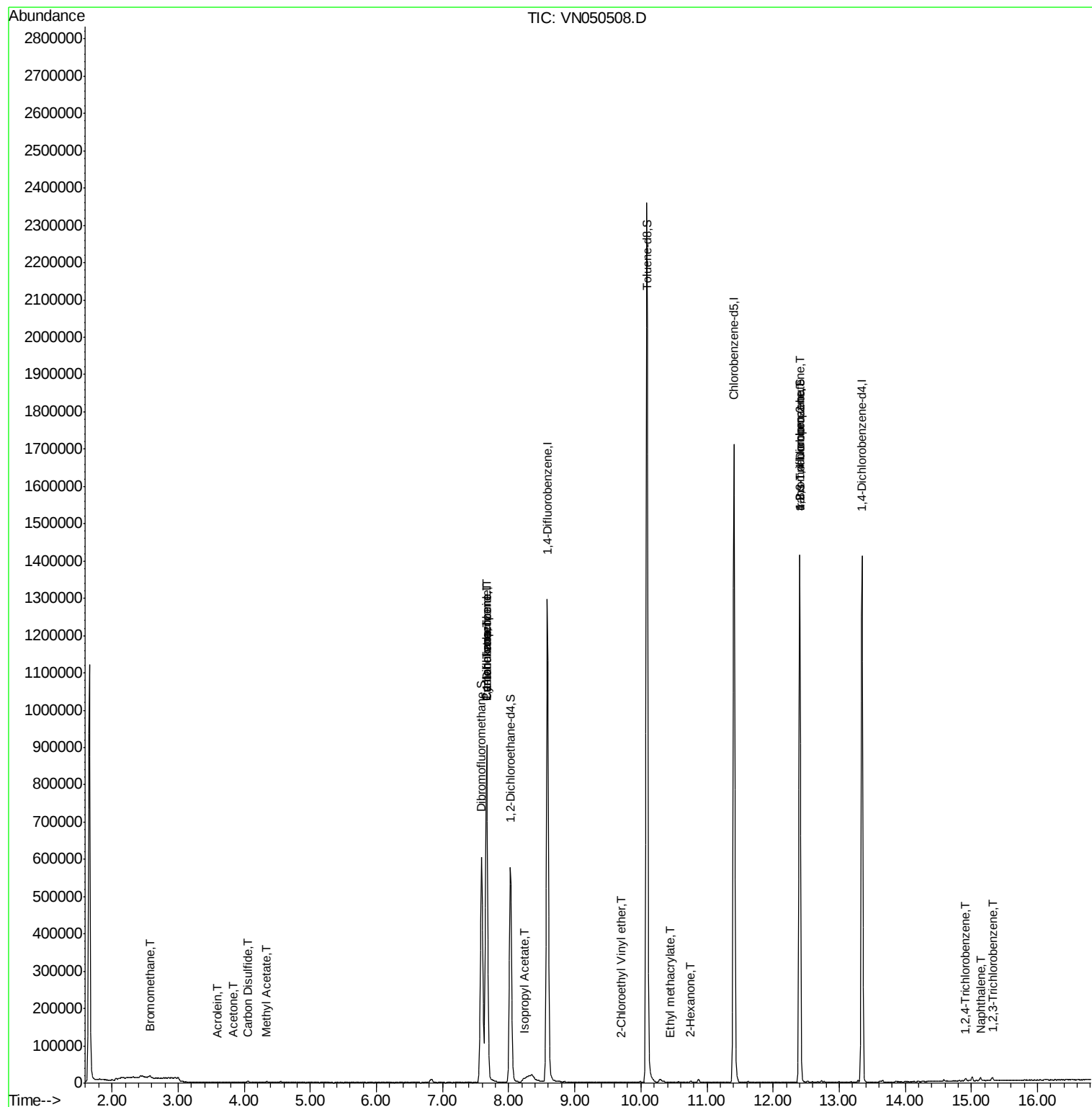
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2494	Below Cal	#	81
5) Bromomethane	2.56	94	3721	0.85	ug/l	83
13) Acrolein	3.61	56	494	15.45	ug/l	# 31
16) Acetone	3.83	43	2421	0.42	ug/l	91
17) Carbon Disulfide	4.05	76	5733	0.21	ug/l	100
18) Methyl Acetate	4.34	43	5007	0.43	ug/l	# 72
20) Methylene Chloride	4.54	84	1059	Below Cal		90
31) Cyclohexane	7.66	56	13757	0.29	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	53679	4.05	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	69433	5.02	ug/l	# 17
43) Isopropyl Acetate	8.23	43	6482	0.39	ug/l	# 61
56) Ethyl methacrylate	10.44	69	30	1.71	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.70	63	103	7.41	ug/l	# 48
59) 2-Hexanone	10.75	43	2938	0.35	ug/l	80
76) 1,2,3-Trichloropropane	12.40	75	230695	31.77	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	230695	111.64	ug/l	# 13
93) 1,2,4-Trichlorobenzene	14.91	180	2949	0.40	ug/l	86
94) Hexachlorobutadiene	15.01	225	2230	Below Cal		95
95) Naphthalene	15.14	128	7738	3.99	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	3697	0.50	ug/l	95

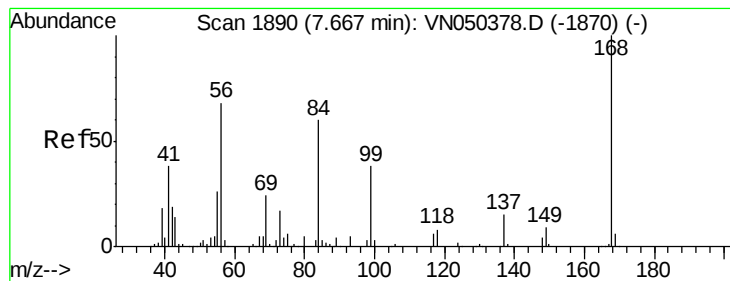
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081018\
Data File : VN050508.D
Acq On : 10 Aug 2018 11:12
Operator : MD\SY
Sample : VN0810WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBL01

Quant Time: Aug 10 23:13:06 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# 1890

Delta R.T. -0.00 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

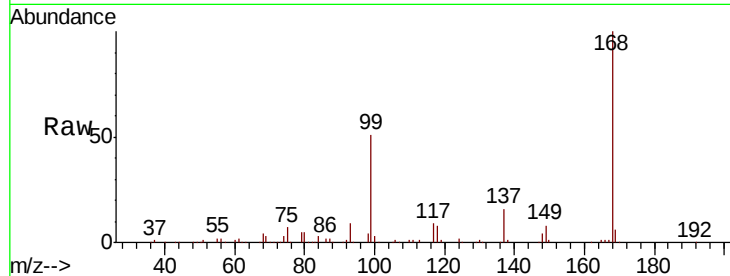
VN0810WBL01

Tot Ion:168 Resp: 781338

Ion Ratio Lower Upper

168 100

99 50.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

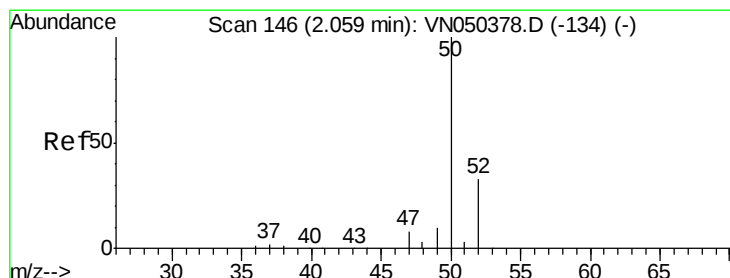
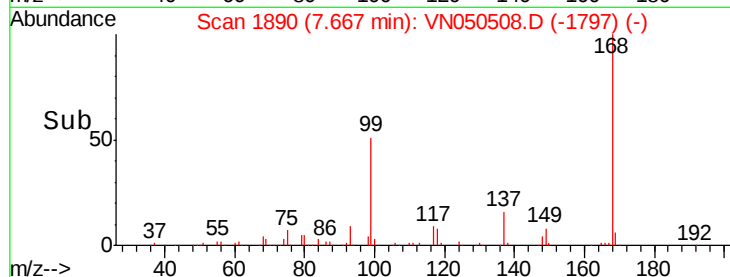
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050508.D

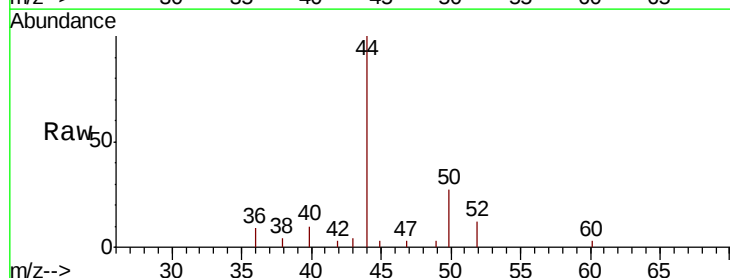
Acq: 10 Aug 2018 11:12

Tgt Ion: 50 Resp: 2494

Ion Ratio Lower Upper

50 100

52 43.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.06

2000

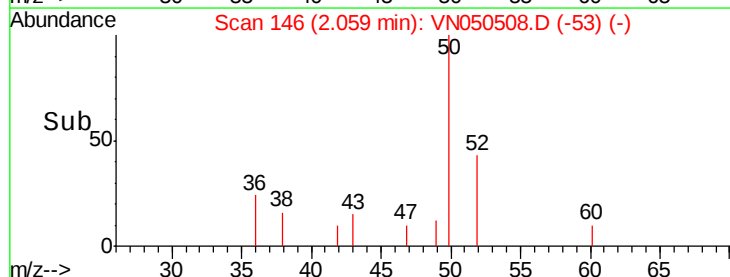
1500

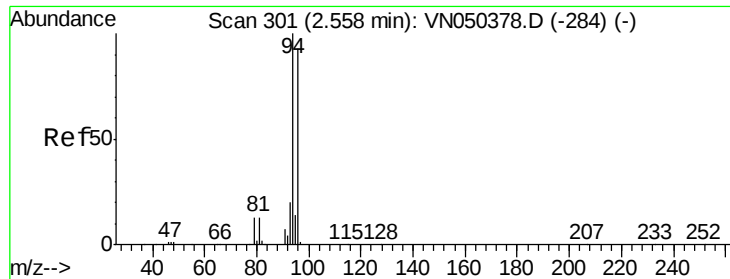
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.85 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

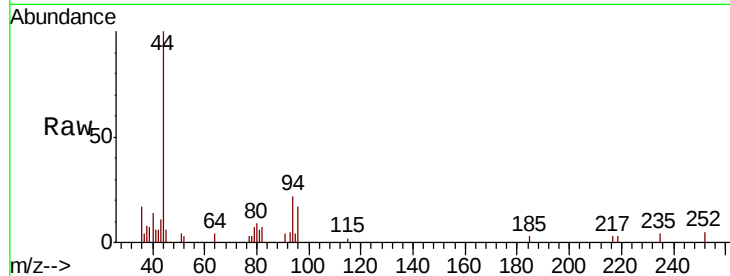
VN0810WBL01

Tot Ion: 94 Resp: 3721

Ion Ratio Lower Upper

94 100

96 77.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

1500

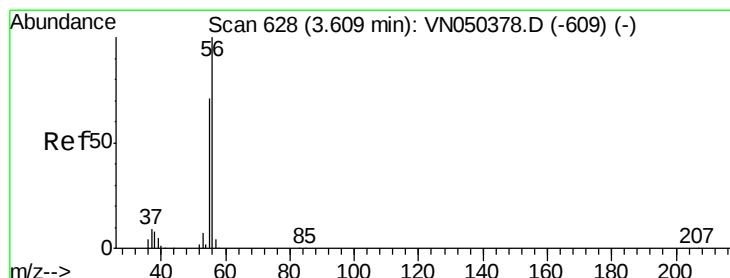
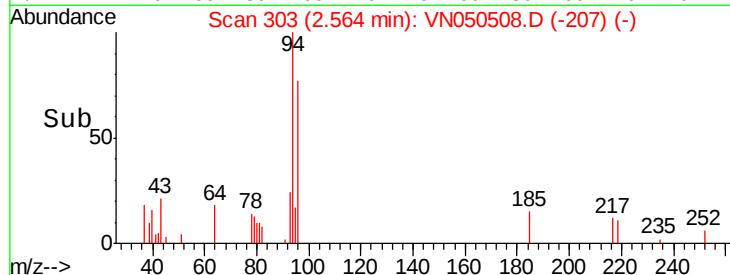
1000

500

0

Time-->

2.50 2.55 2.60 2.65



#13

Acrolein

Concen: 15.45 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050508.D

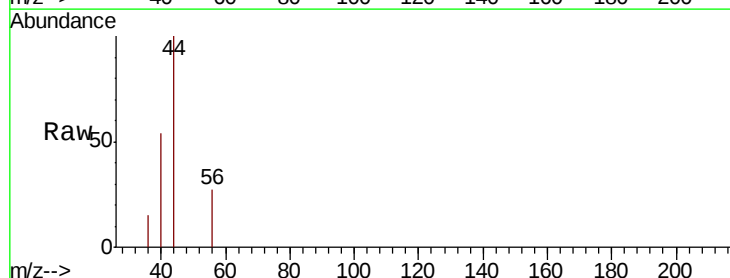
Acq: 10 Aug 2018 11:12

Tgt Ion: 56 Resp: 494

Ion Ratio Lower Upper

56 100

55 13.2 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

300

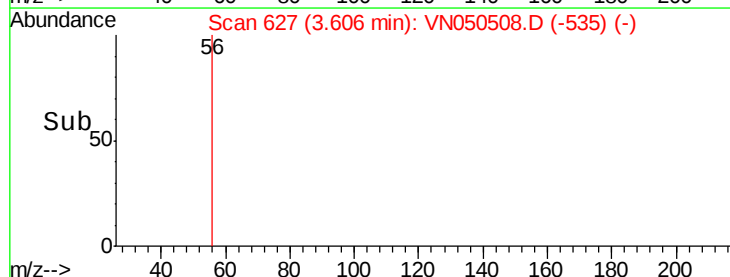
200

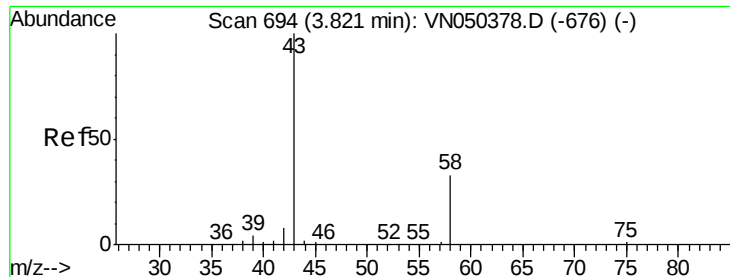
100

0

Time-->

3.58 3.60 3.62 3.64





#16

Acetone

Concen: 0.42 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

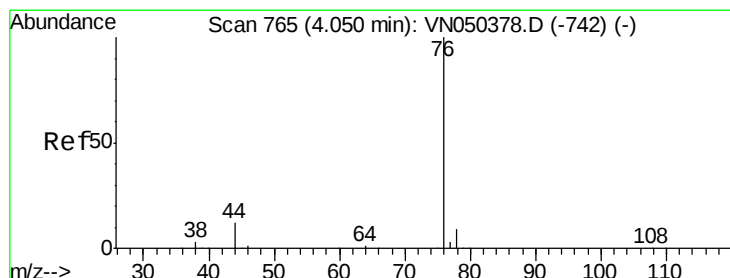
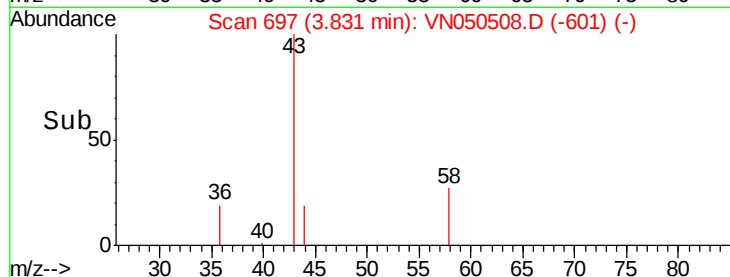
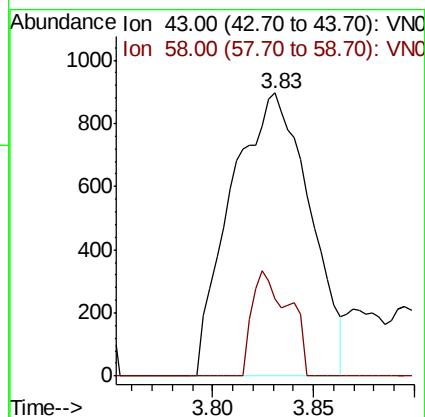
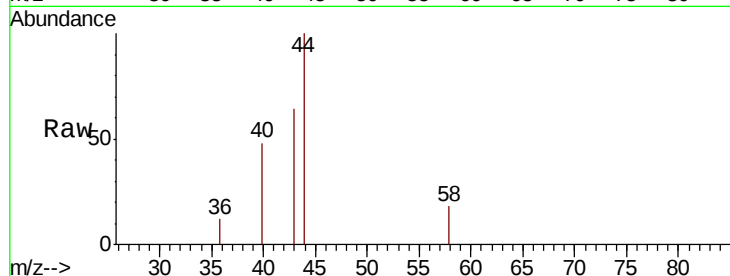
VN0810WBL01

Tot Ion: 43 Resp: 2421

Ion Ratio Lower Upper

43 100

58 27.5 25.8 38.8



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050508.D

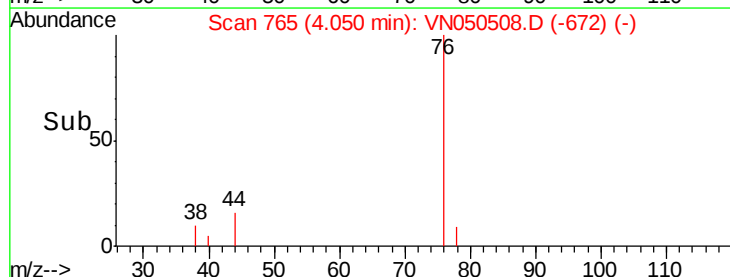
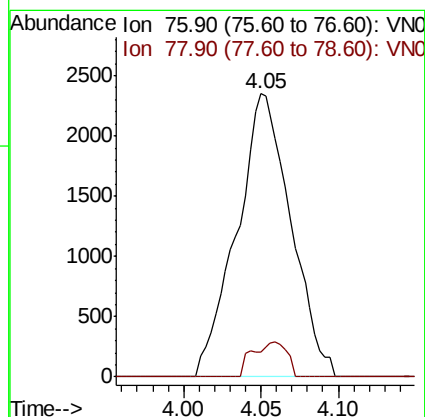
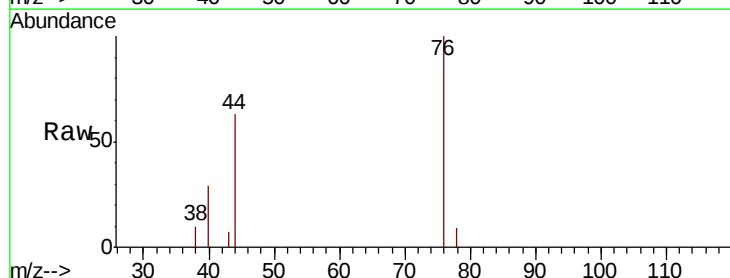
Acq: 10 Aug 2018 11:12

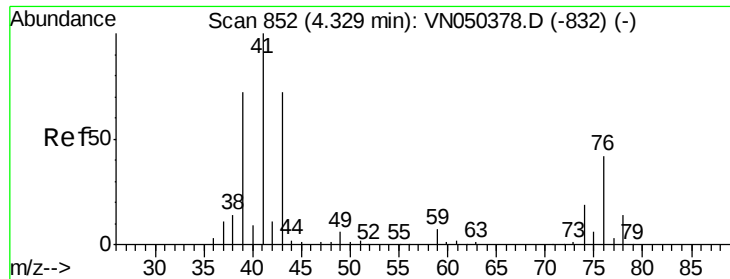
Tgt Ion: 76 Resp: 5733

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

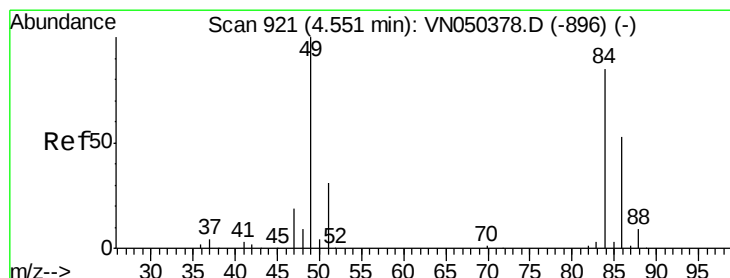
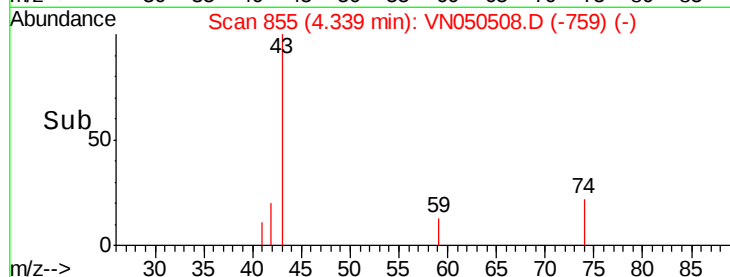
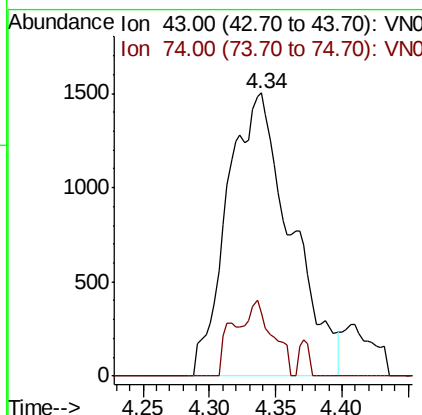
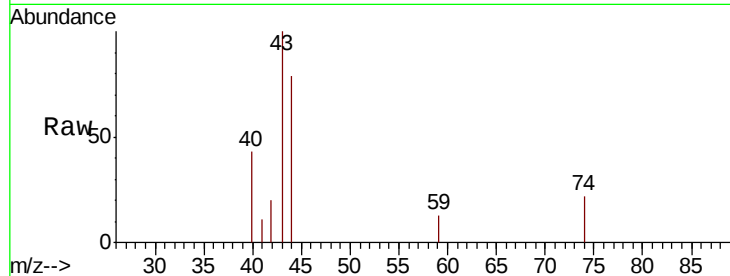




#18
Methyl Acetate
Concen: 0.43 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050508.D
Acq: 10 Aug 2018 11:12

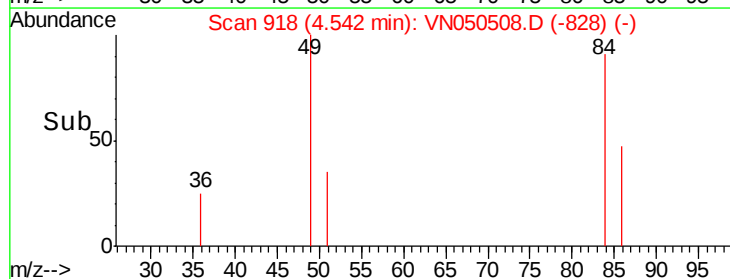
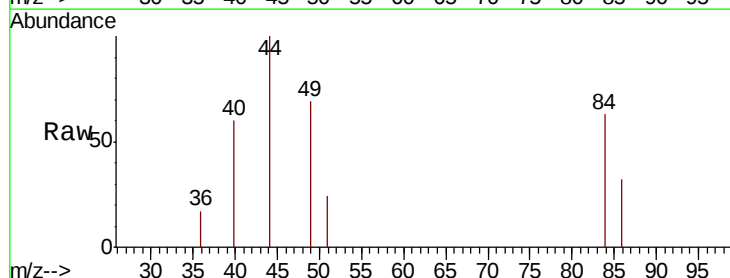
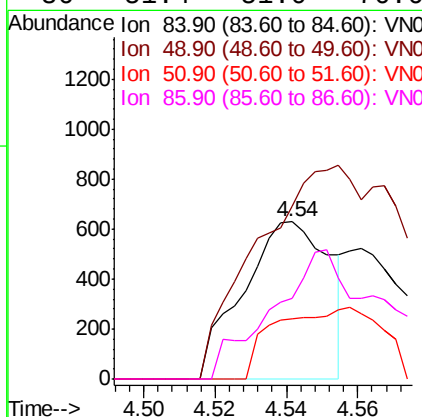
Instrument :
MSVOA_N
ClientSampled :
VN0810WBL01

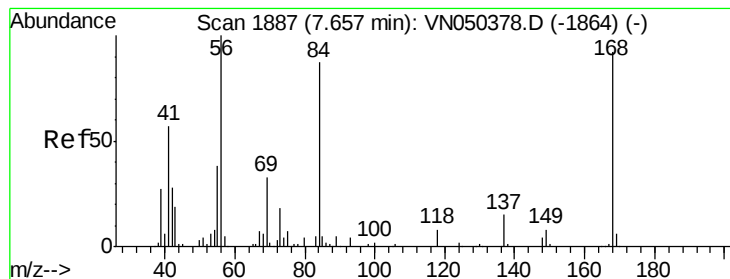
Tot Ion: 43 Resp: 5007
Ion Ratio Lower Upper
43 100
74 10.1 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050508.D
Acq: 10 Aug 2018 11:12

Tgt Ion: 84 Resp: 1059
Ion Ratio Lower Upper
84 100
49 109.7 94.8 142.2
51 38.4 28.3 42.5
86 51.4 51.0 76.6





#31

Cyclohexane

Concen: 0.29 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

VN0810WBL01

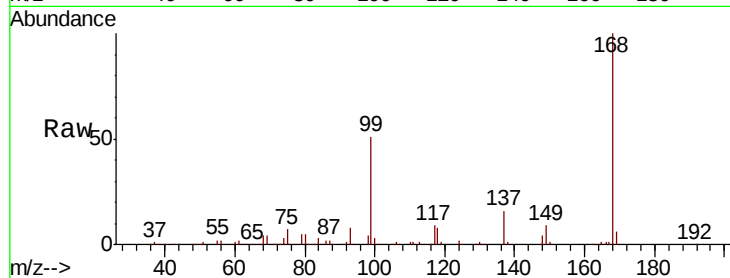
Tot Ion: 56 Resp: 13757

Ion Ratio Lower Upper

56 100

69 187.7 26.2 39.4#

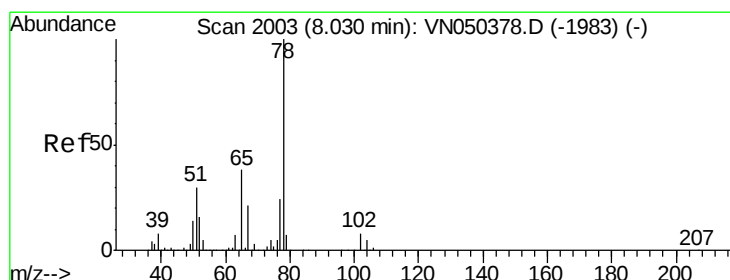
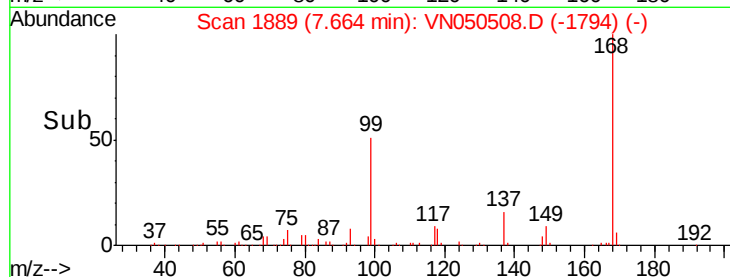
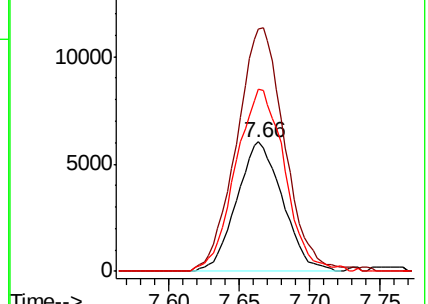
84 141.1 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.43 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050508.D

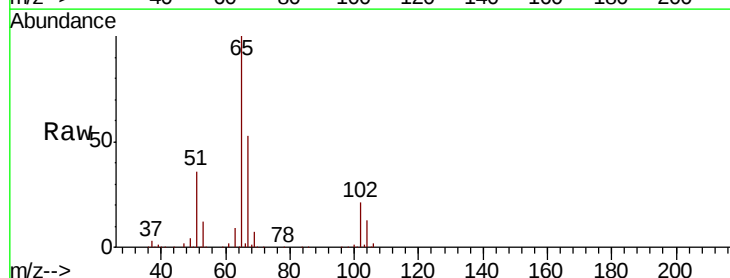
Acq: 10 Aug 2018 11:12

Tgt Ion: 65 Resp: 505588

Ion Ratio Lower Upper

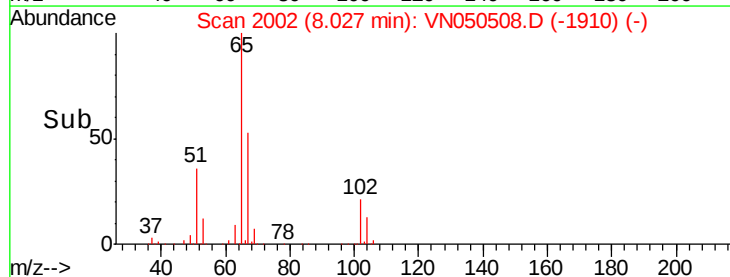
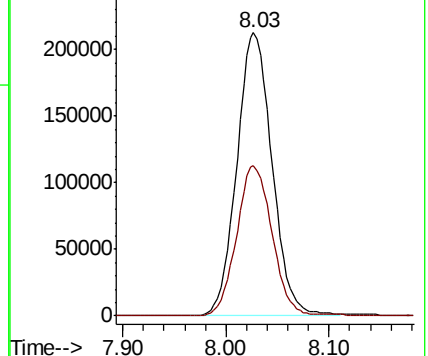
65 100

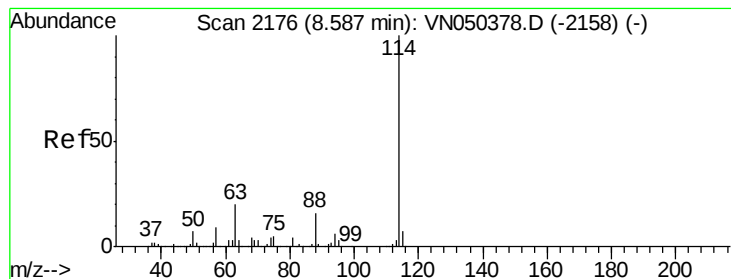
67 53.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL01

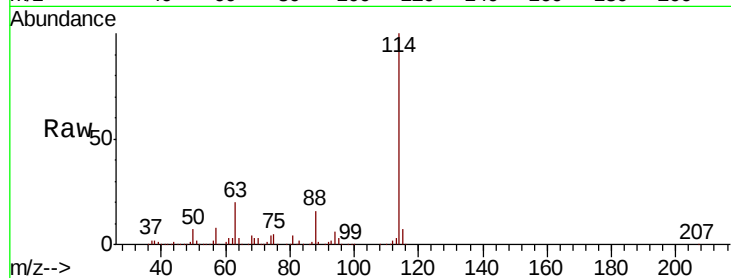
Tot Ion:114 Resp: 1207570

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

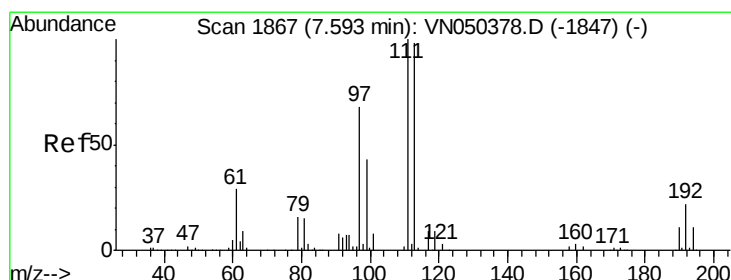
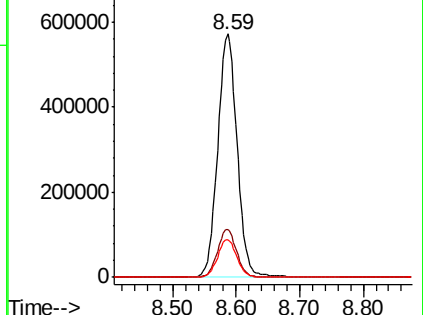
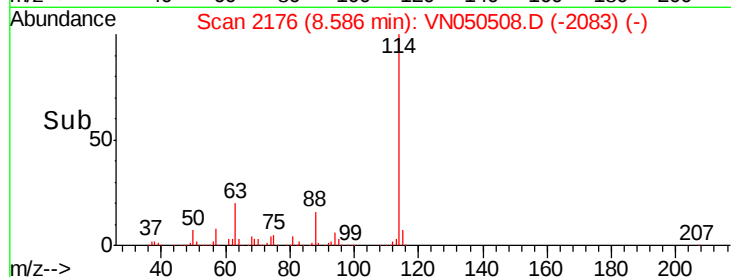
88 15.5 0.0 31.2



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: 48.11 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

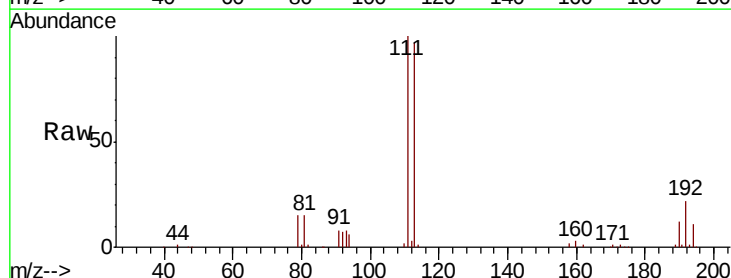
Tgt Ion:113 Resp: 466175

Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

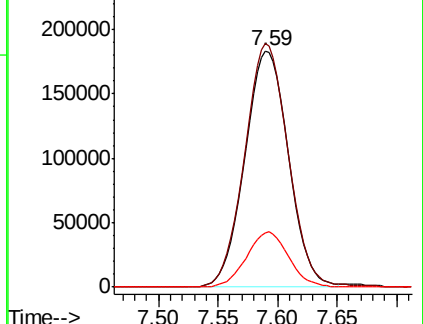
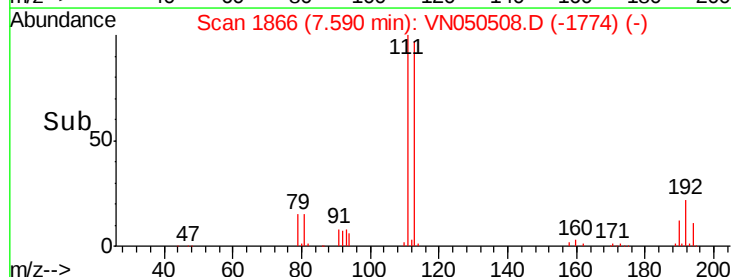
192 22.6 17.8 26.6

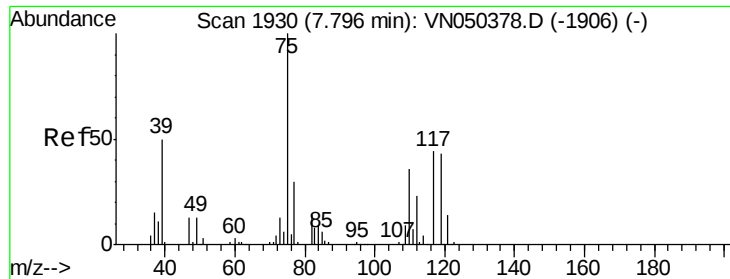


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

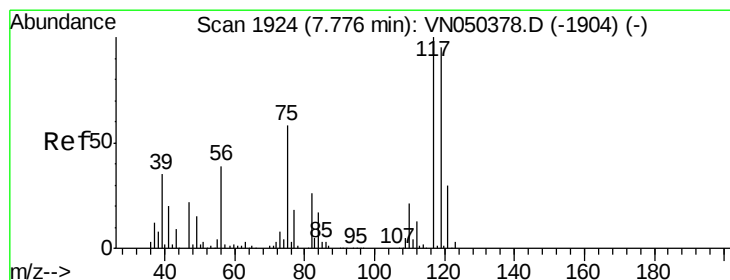
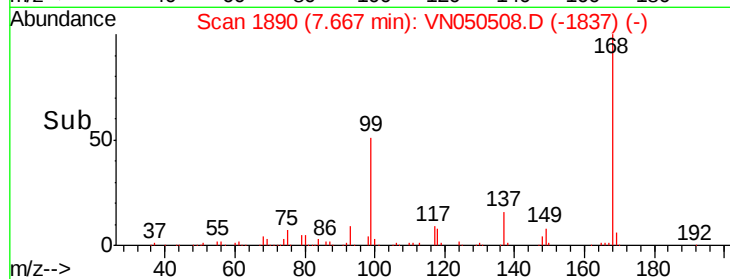
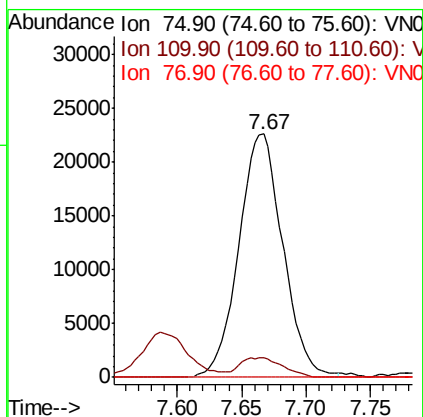
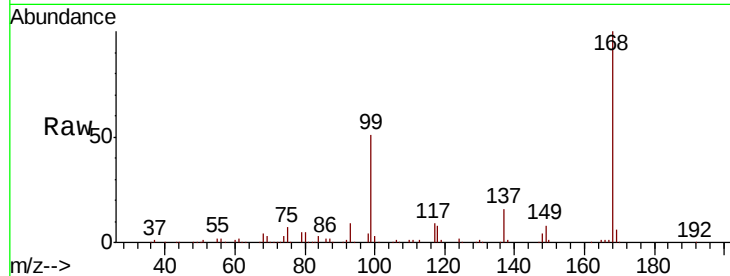




#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050508.D
 Acq: 10 Aug 2018 11:12

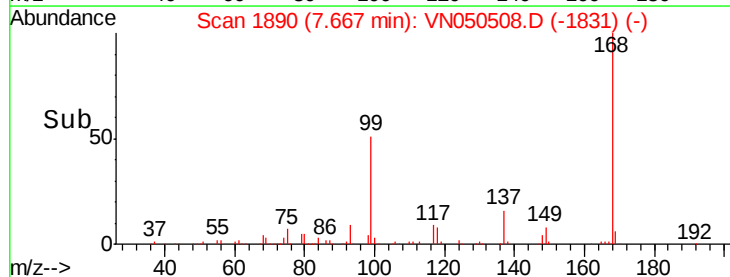
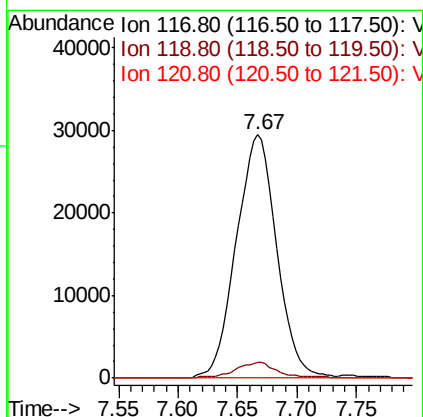
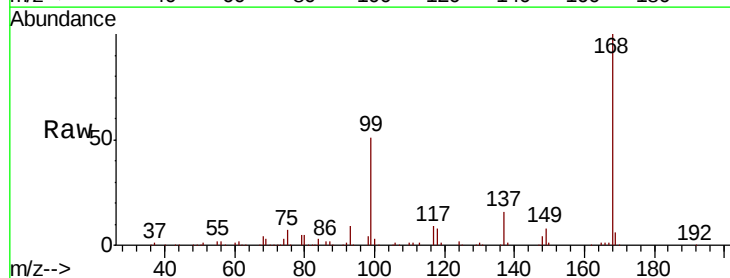
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBL01

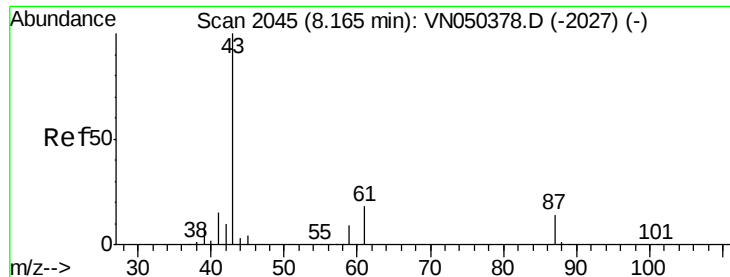
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 5.02 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050508.D
 Acq: 10 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 0.39 ug/l

RT: 8.23 min Scan# 2064

Delta R.T. 0.06 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL01

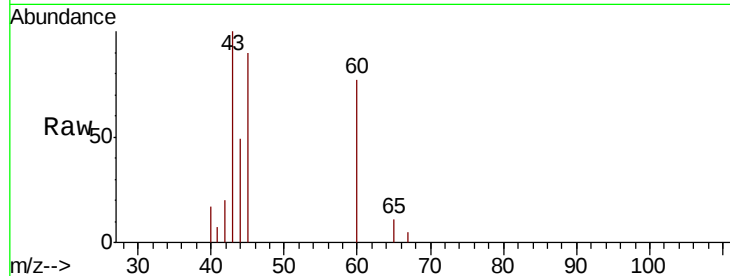
Tot Ion: 43 Resp: 6482

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

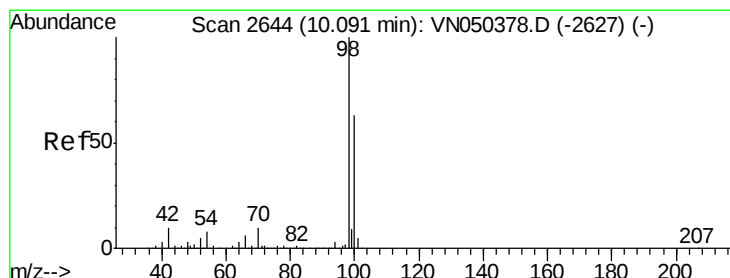
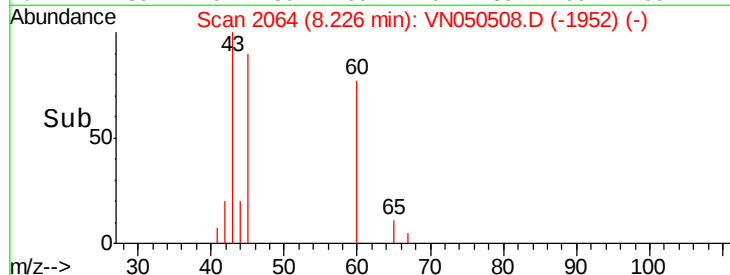
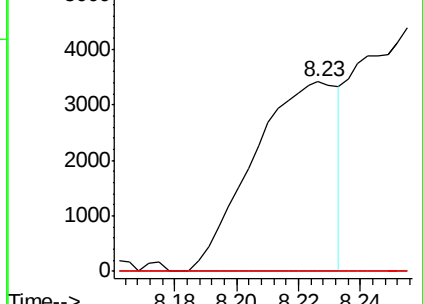
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.96 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050508.D

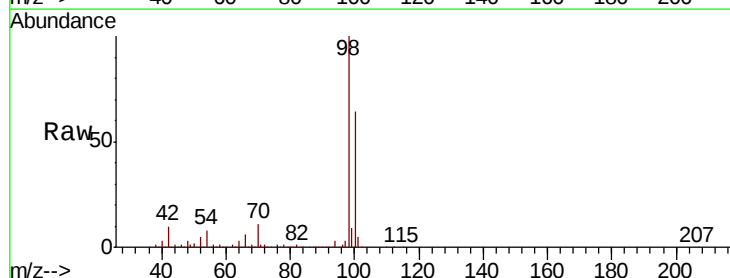
Acq: 10 Aug 2018 11:12

Tgt Ion: 98 Resp: 1710621

Ion Ratio Lower Upper

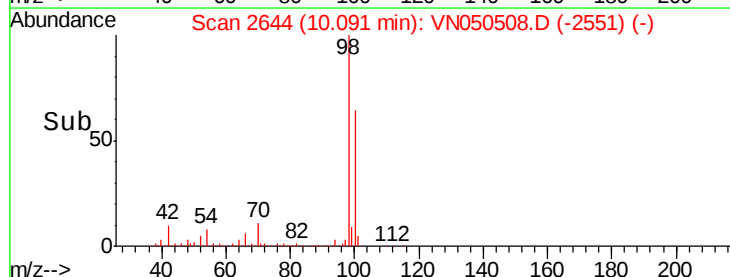
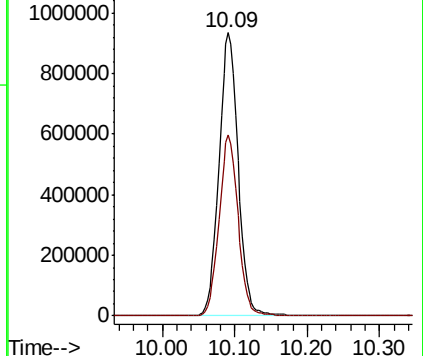
98 100

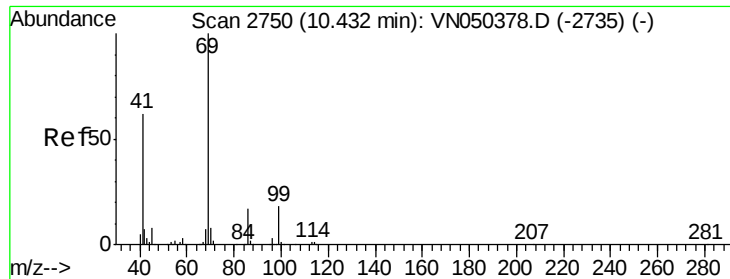
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#56

Ethyl methacrylate

Concen: 1.71 ug/l

RT: 10.44 min Scan# 2753

Delta R.T. 0.01 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

VN0810WBL01

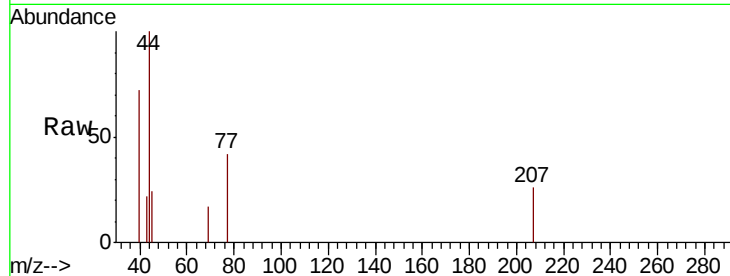
Tot Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 693.3 51.0 76.4#

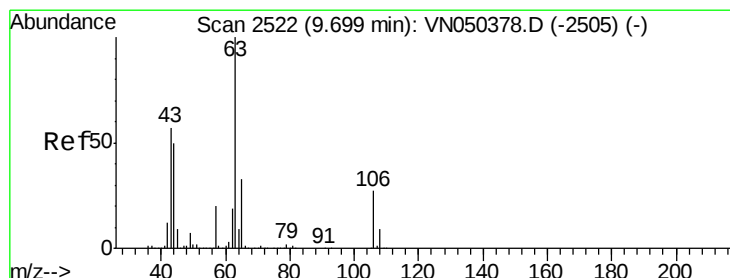
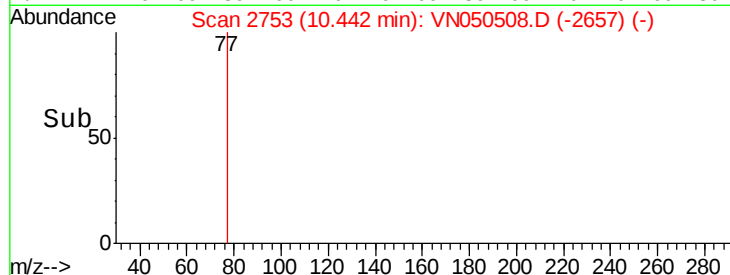
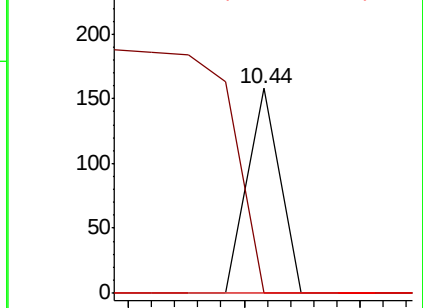
39 0.0 26.6 40.0#



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



#58

2-Chloroethyl Vinyl ether

Concen: 7.41 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VN050508.D

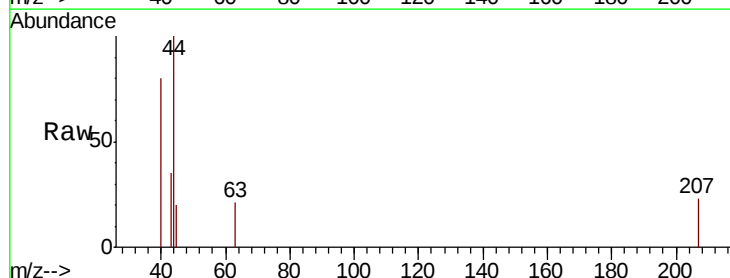
Acq: 10 Aug 2018 11:12

Tgt Ion: 63 Resp: 103

Ion Ratio Lower Upper

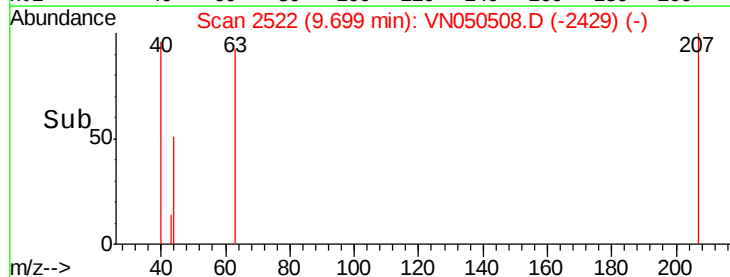
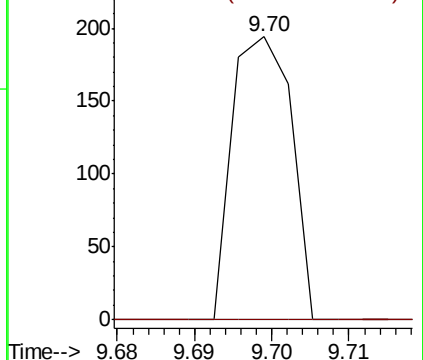
63 100

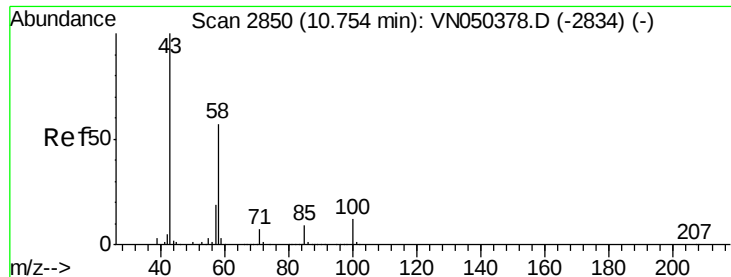
106 0.0 21.7 32.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

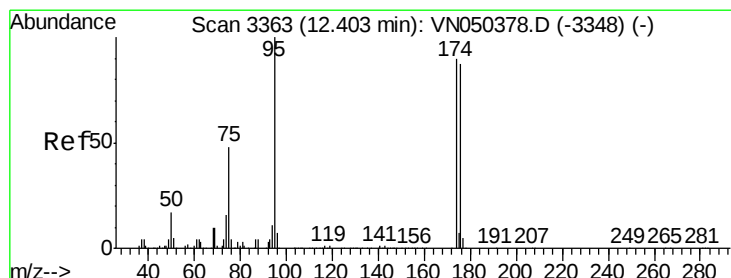
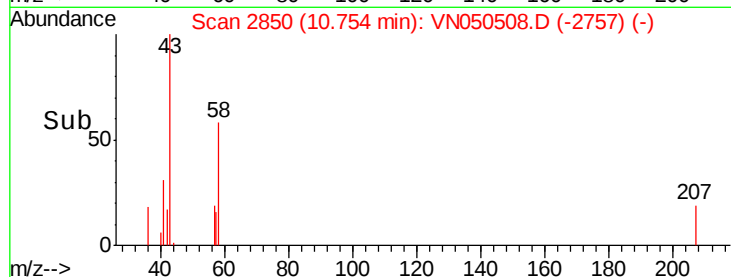
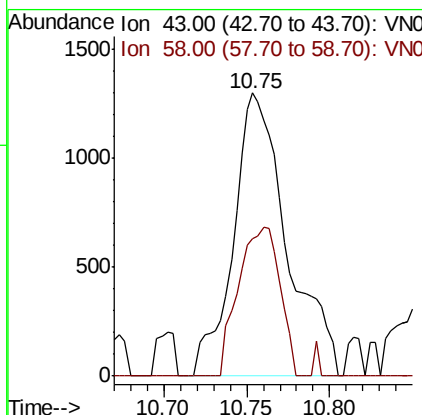
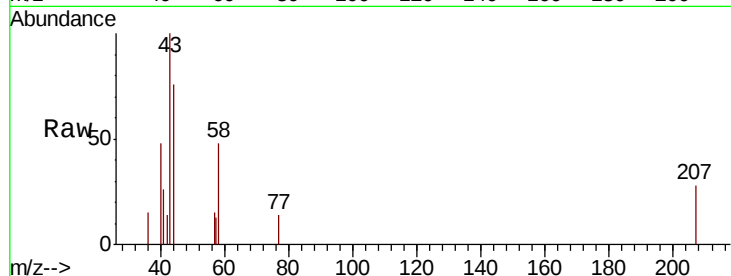




#59
2-Hexanone
Concen: 0.35 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050508.D
Acq: 10 Aug 2018 11:12

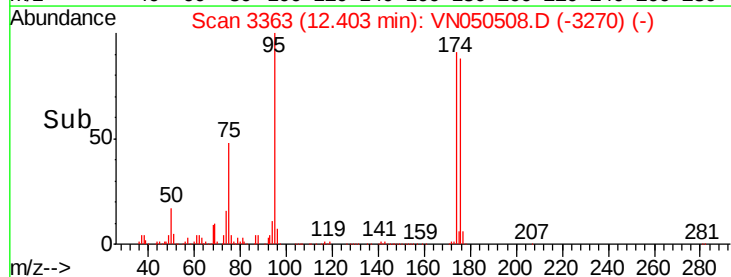
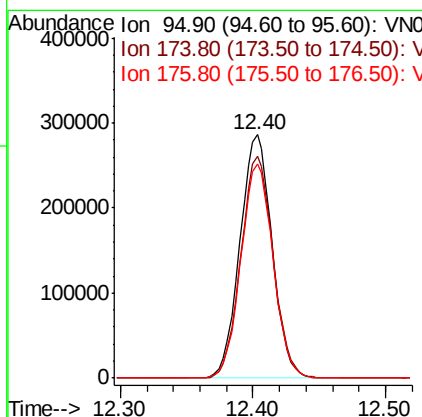
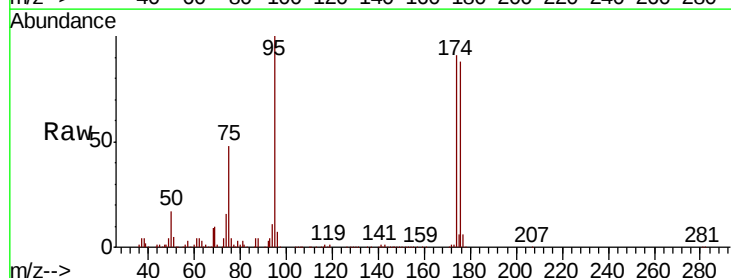
Instrument :
MSVOA_N
ClientSampled :
VN0810WBL01

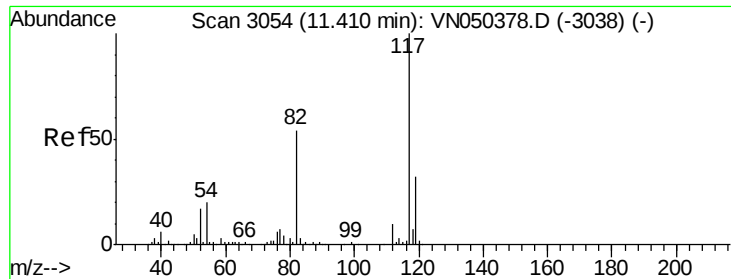
Tot Ion: 43 Resp: 2938
Ion Ratio Lower Upper
43 100
58 40.4 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 38.60 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050508.D
Acq: 10 Aug 2018 11:12

Tgt Ion: 95 Resp: 479292
Ion Ratio Lower Upper
95 100
174 91.9 0.0 178.2
176 88.5 0.0 173.4

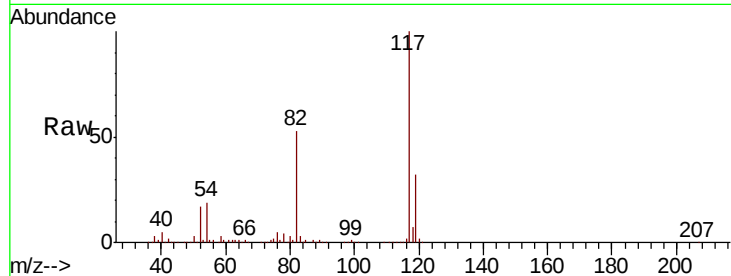




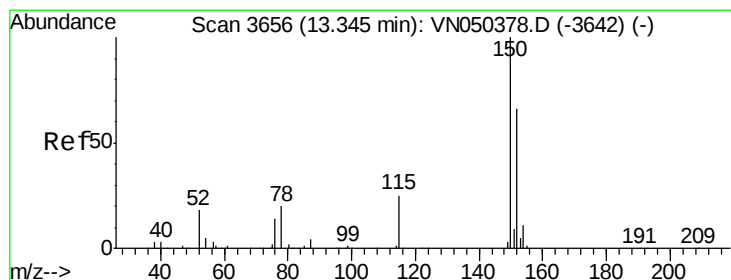
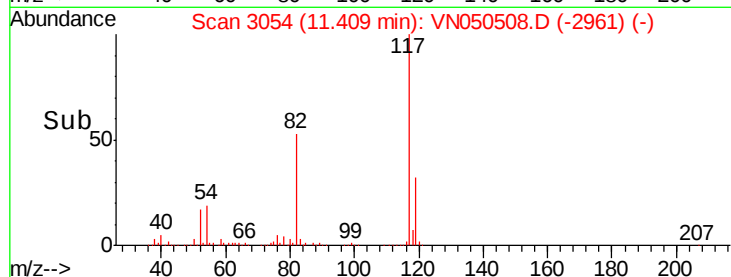
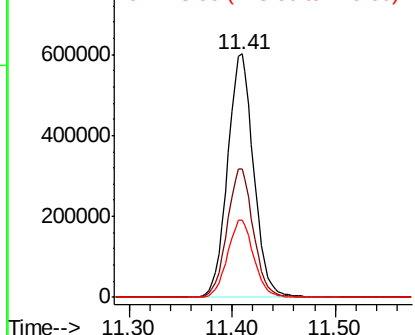
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050508.D
Acq: 10 Aug 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBL01

Tot Ion:117 Resp: 1056759
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 31.9 26.1 39.1

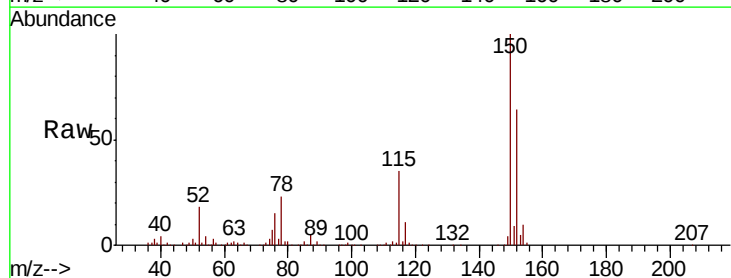


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

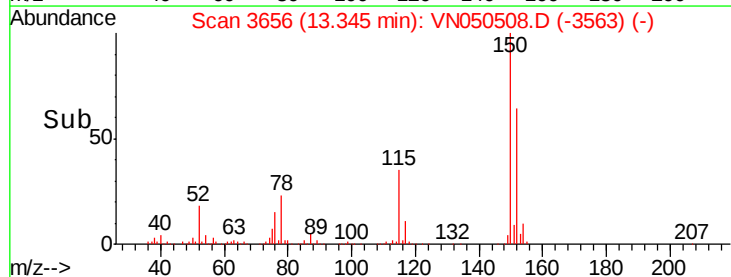
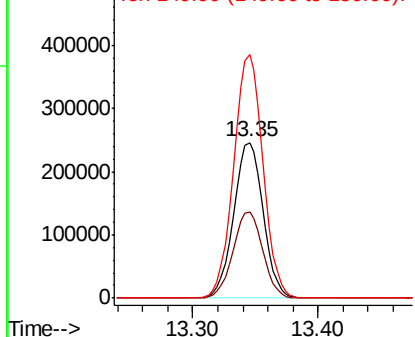


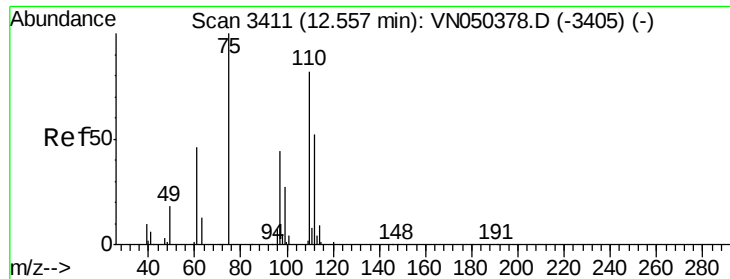
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050508.D
Acq: 10 Aug 2018 11:12

Tgt Ion:152 Resp: 401105
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.3
150 155.6 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

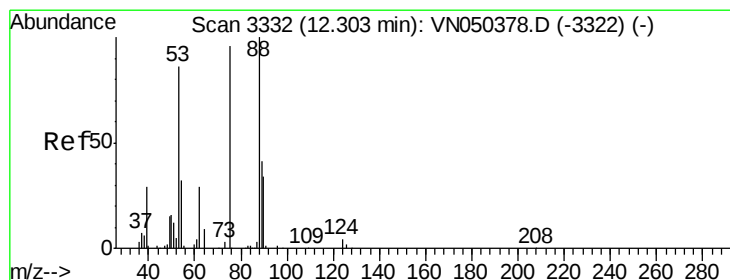
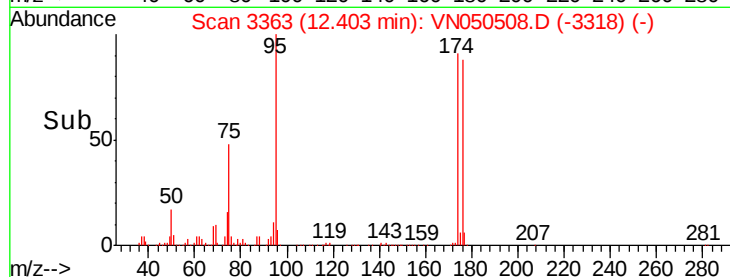
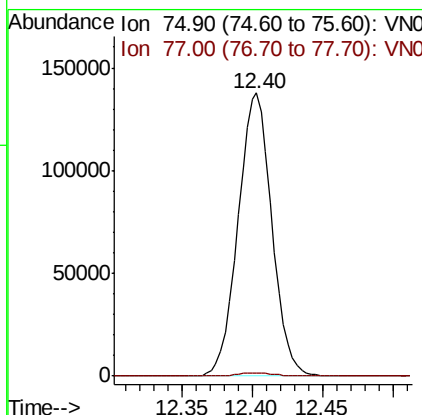
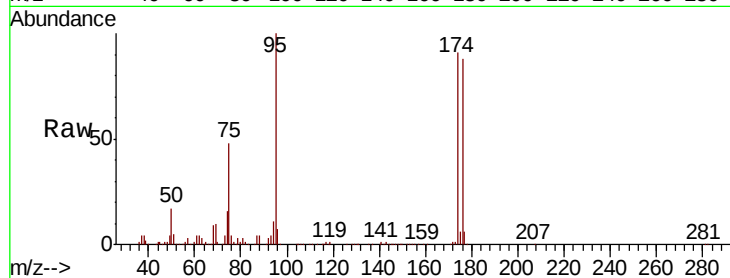




#76
 1,2,3-Trichloropropane
 Concen: 31.77 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050508.D
 Acq: 10 Aug 2018 11:12

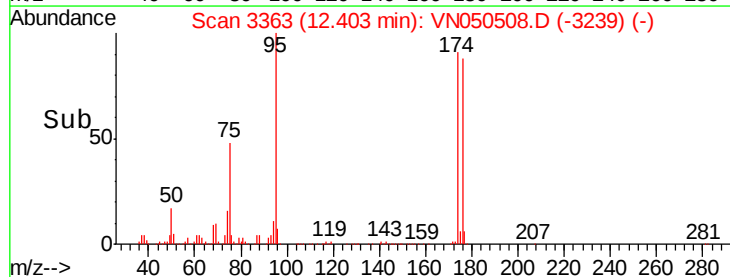
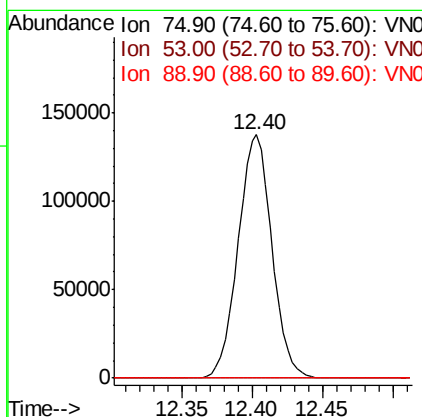
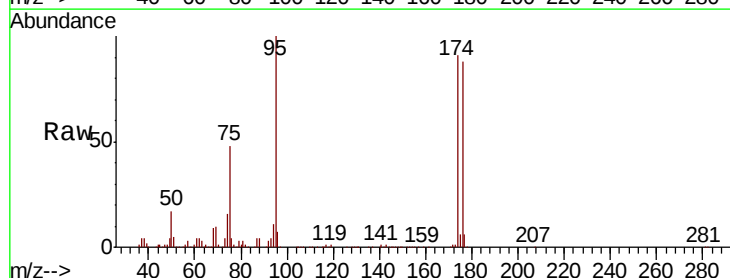
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBL01

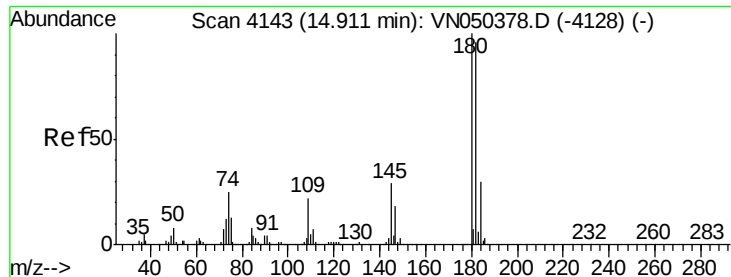
Tot Ion: 75 Resp: 230695
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.64 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050508.D
 Acq: 10 Aug 2018 11:12

Tgt Ion: 75 Resp: 230695
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.5 110.3#
 89 0.0 36.0 54.0#

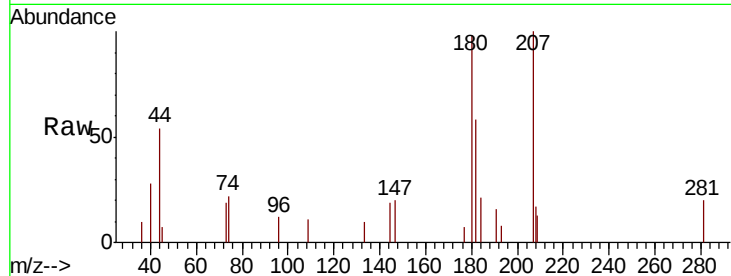




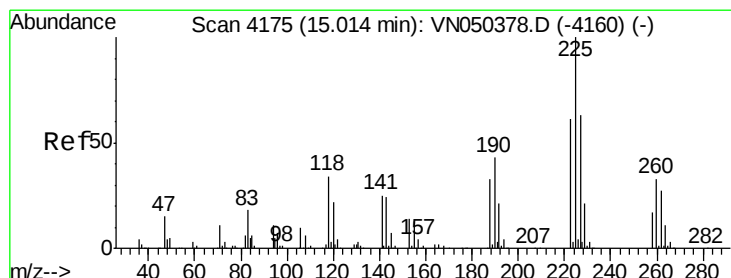
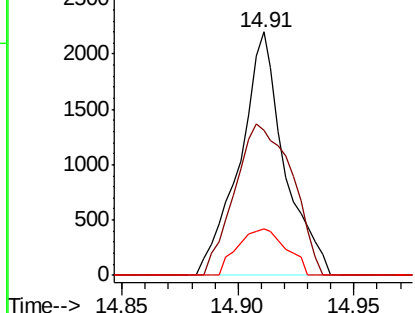
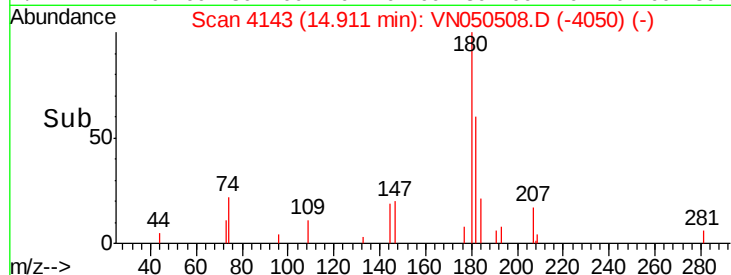
#93
 1,2,4-Trichlorobenzene
 Concen: 0.40 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050508.D
 Acq: 10 Aug 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBL01

Tot Ion:180 Resp: 2949
 Ion Ratio Lower Upper
 180 100
 182 79.9 46.7 140.1
 145 20.8 13.8 41.4

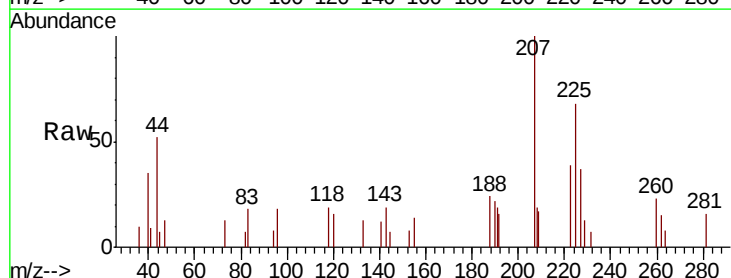


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

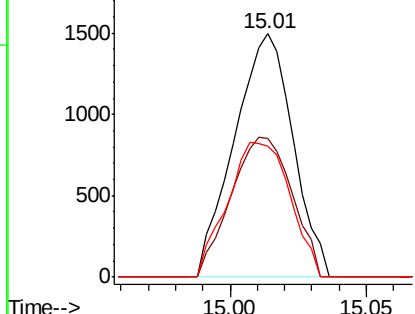
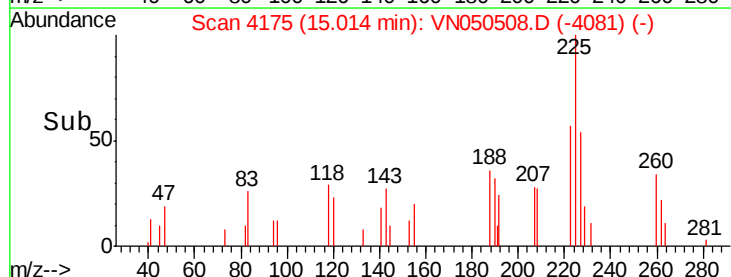


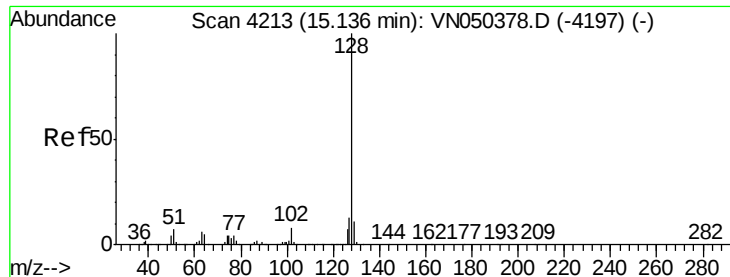
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050508.D
 Acq: 10 Aug 2018 11:12

Tgt Ion:225 Resp: 2230
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.4 94.2
 227 58.7 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: 3.99 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBL01

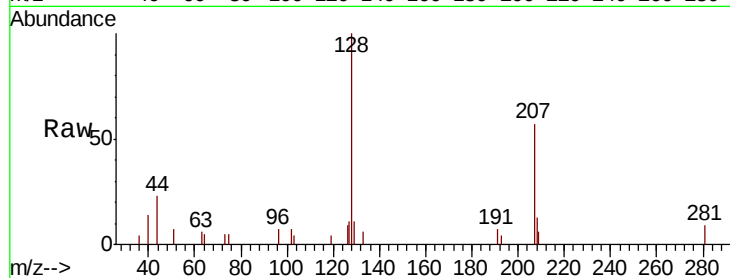
Tot Ion:128 Resp: 7738

Ion Ratio Lower Upper

128 100

127 14.7 10.4 15.6

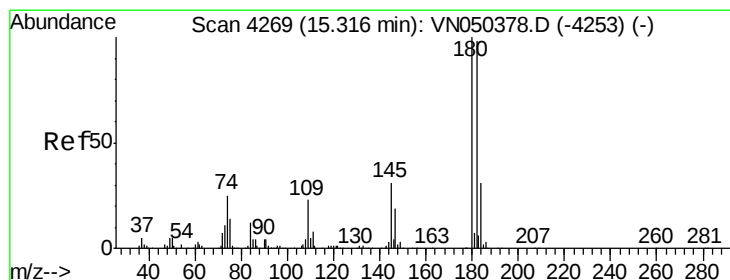
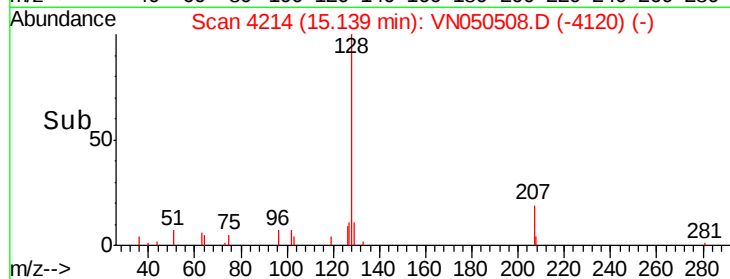
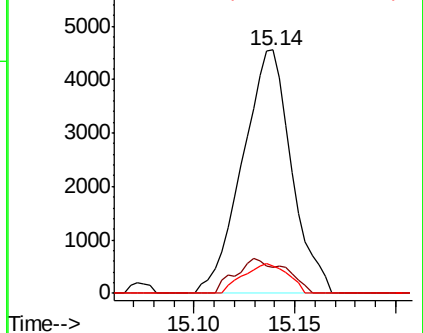
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.50 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050508.D

Acq: 10 Aug 2018 11:12

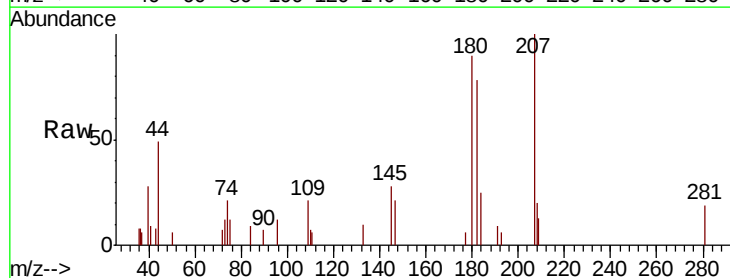
Tgt Ion:180 Resp: 3697

Ion Ratio Lower Upper

180 100

182 93.3 48.1 144.4

145 23.9 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

