

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050540.D
 Acq On : 11 Aug 2018 1:16
 Operator : MD\SY
 Sample : PB111921ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#14

Quant Time: Aug 11 05:00:24 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	626579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1043605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	903483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437931	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.59	113	402903	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.09	98	1418176	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
62) 4-Bromofluorobenzene	12.40	95	410281	38.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.46%	

Target Compounds

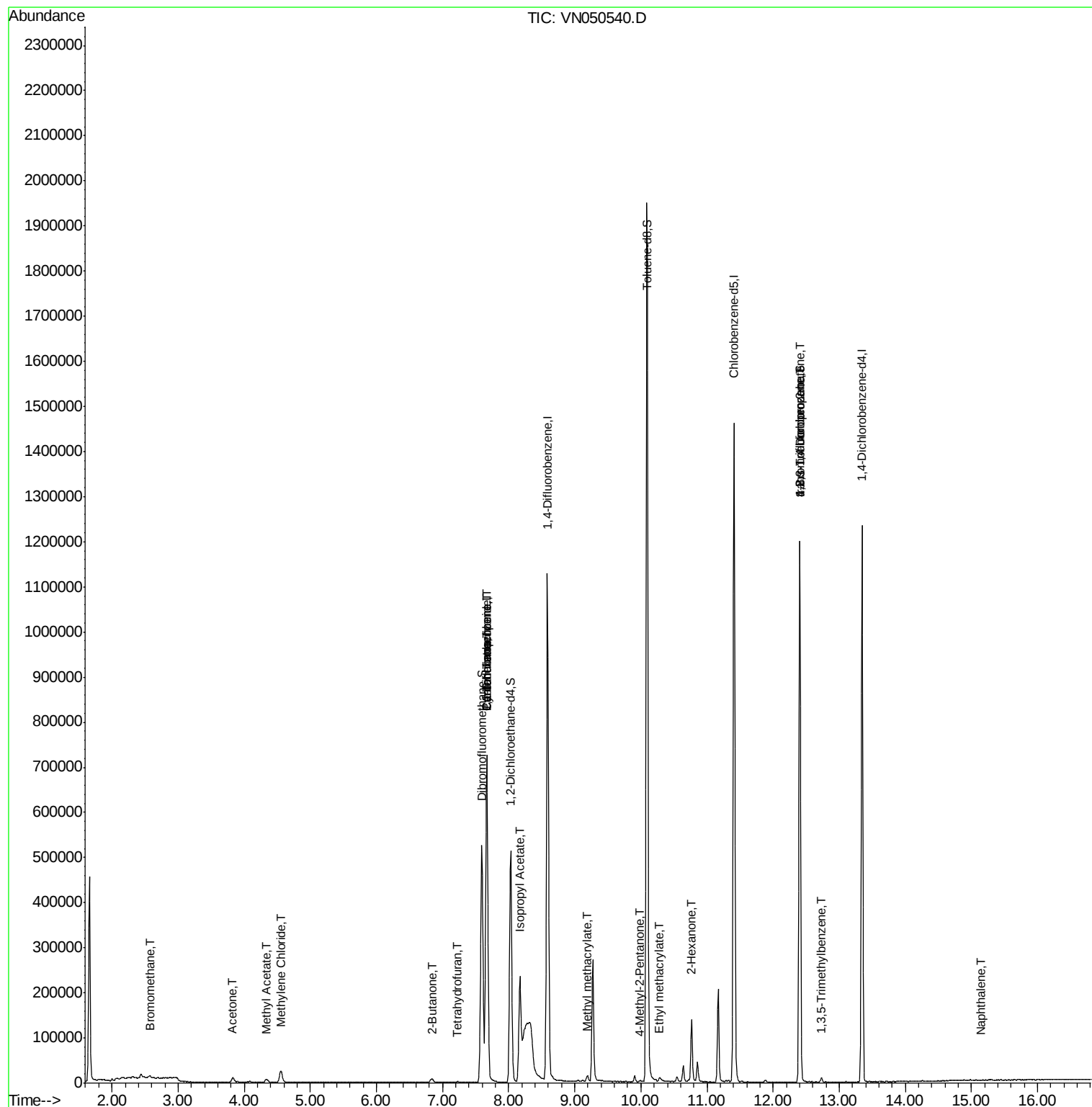
						Qvalue
3) Chloromethane	2.06	50	2856	Below Cal		99
5) Bromomethane	2.57	94	3722	1.02 ug/l		90
16) Acetone	3.82	43	18708	7.14 ug/l		99
18) Methyl Acetate	4.33	43	16198	2.31 ug/l		94
20) Methylene Chloride	4.56	84	19895	1.09 ug/l		97
25) 2-Butanone	6.85	43	3511	0.85 ug/l	#	79
29) Tetrahydrofuran	7.23	42	1534	0.69 ug/l	#	67
31) Cyclohexane	7.67	56	11357	0.32 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	44289	3.86 ug/l	#	43
38) Carbon Tetrachloride	7.67	117	56265	4.70 ug/l	#	16
43) Isopropyl Acetate	8.17	43	297648	20.88 ug/l		95
48) Methyl methacrylate	9.18	41	8118	1.14 ug/l	#	22
51) 4-Methyl-2-Pentanone	9.99	43	2379	0.23 ug/l		99
56) Ethyl methacrylate	10.27	69	89	1.72 ug/l	#	1
59) 2-Hexanone	10.77	43	18433	2.57 ug/l	#	59
76) 1,2,3-Trichloropropane	12.40	75	197732	31.47 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.74	105	4660	0.22 ug/l		98
81) trans-1,4-Dichloro-2-buten	12.40	75	197732	110.58 ug/l	#	13
95) Naphthalene	15.14	128	312	3.64 ug/l	#	69

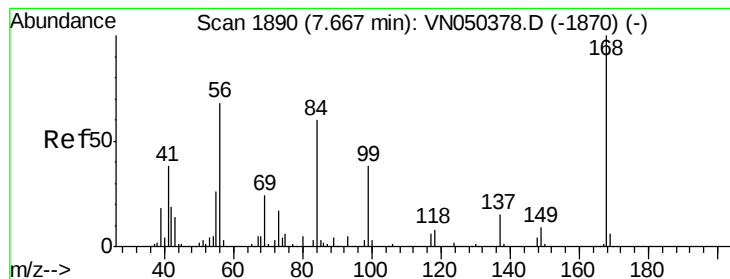
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

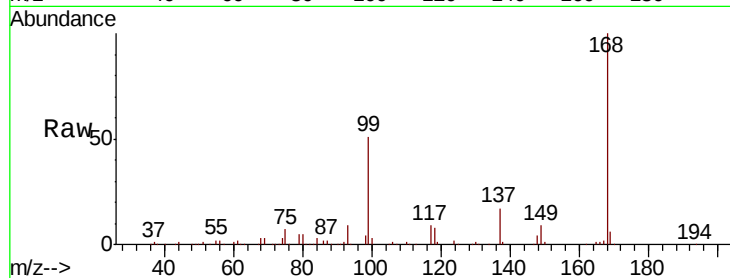
PB111921ZHE#14

Tot Ion:168 Resp: 626579

Ion Ratio Lower Upper

168 100

99 50.9 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

250000

200000

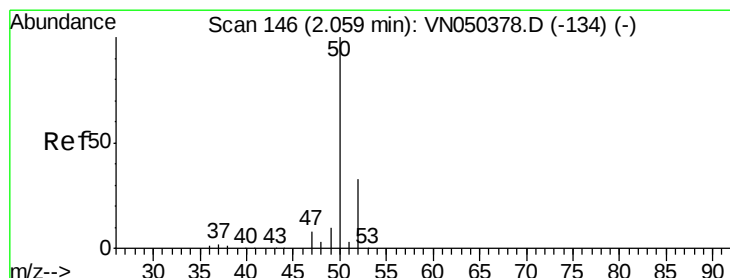
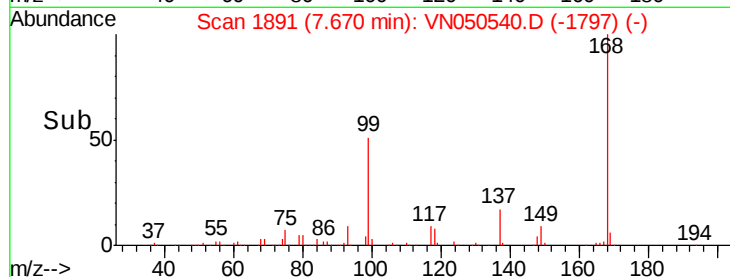
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050540.D

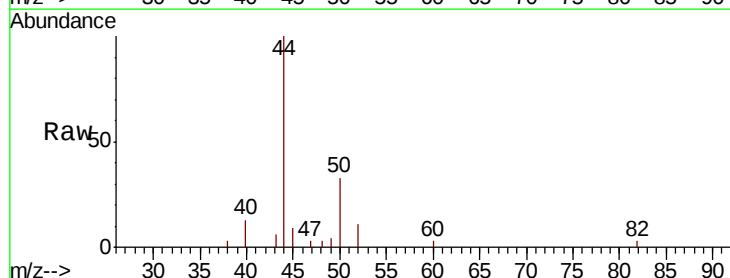
Acq: 11 Aug 2018 1:16

Tgt Ion: 50 Resp: 2856

Ion Ratio Lower Upper

50 100

52 32.8 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

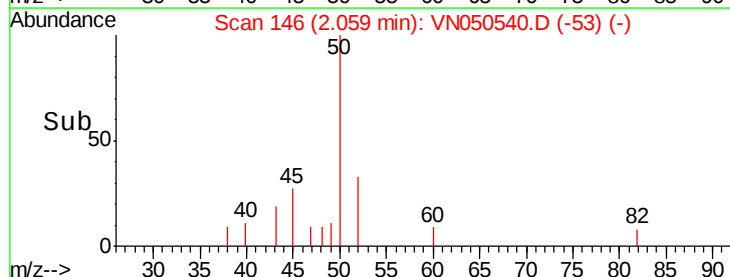
1500

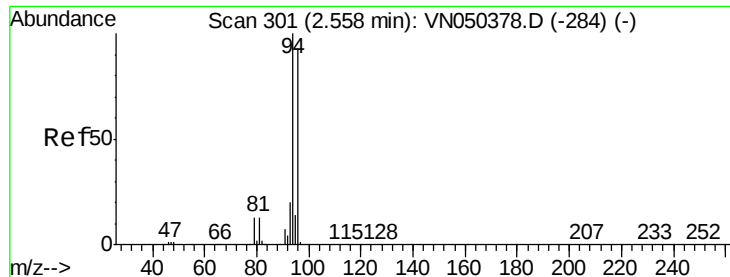
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.02 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

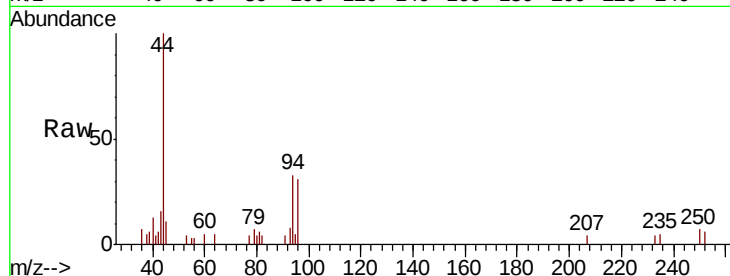
PB111921ZHE#14

Tot Ion: 94 Resp: 3722

Ion Ratio Lower Upper

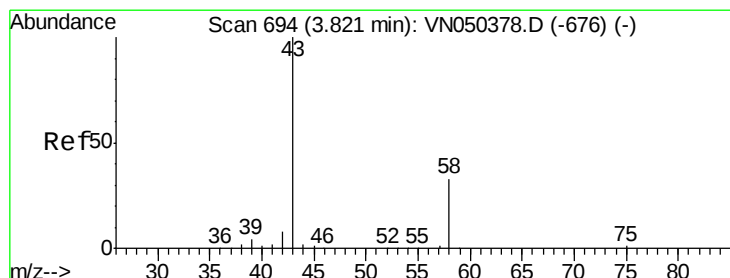
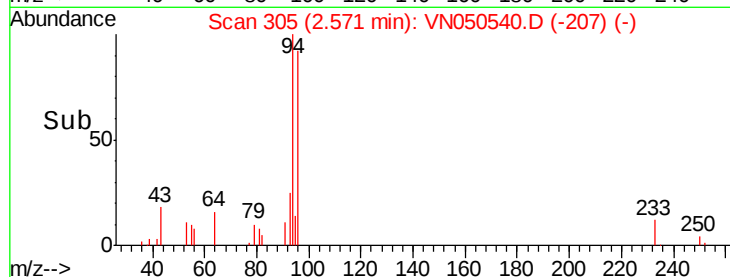
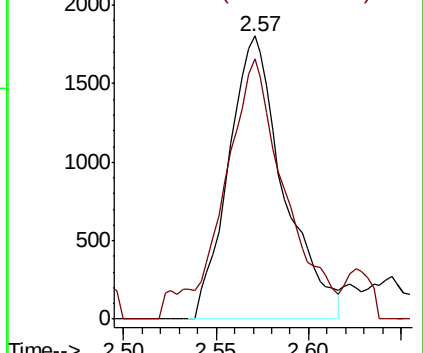
94 100

96 83.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 7.14 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050540.D

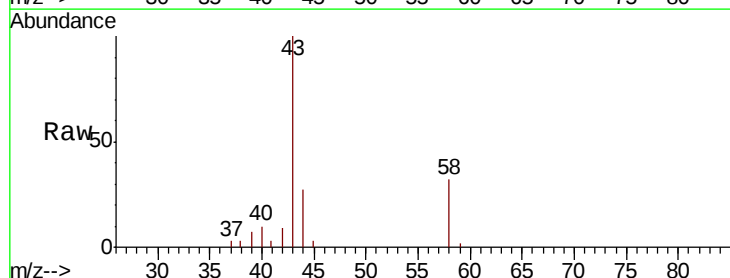
Acq: 11 Aug 2018 1:16

Tgt Ion: 43 Resp: 18708

Ion Ratio Lower Upper

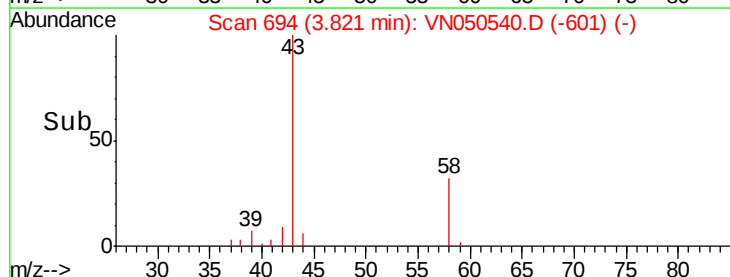
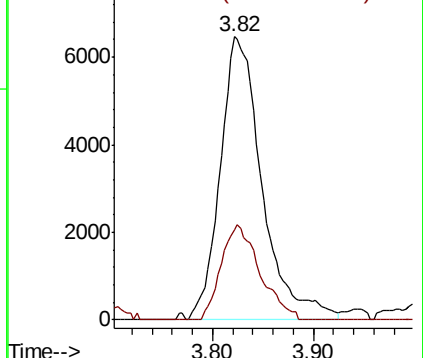
43 100

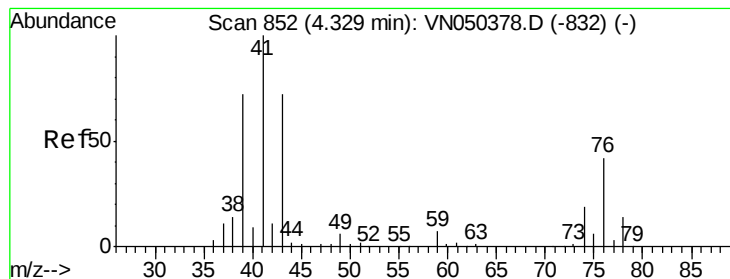
58 31.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 2.31 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

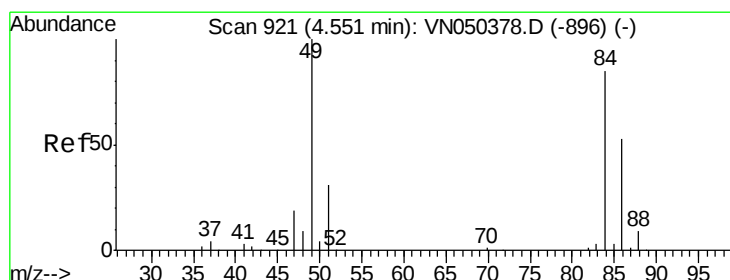
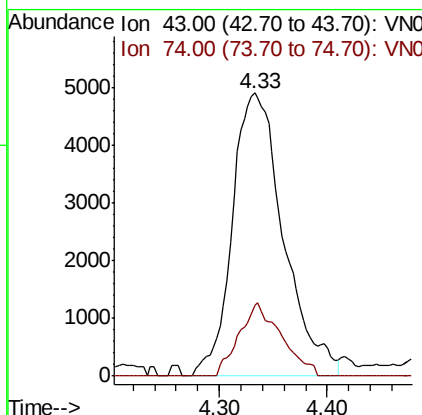
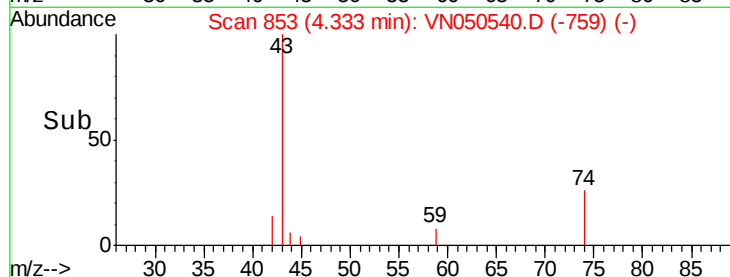
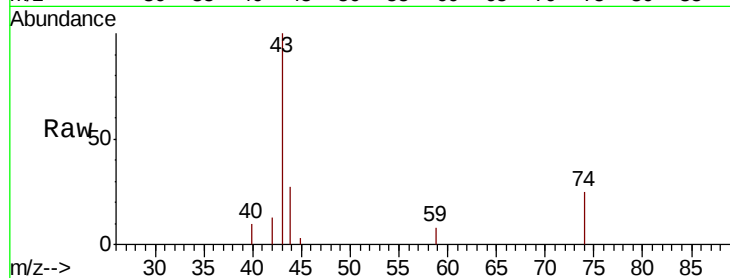
PB111921ZHE#14

Tot Ion: 43 Resp: 16198

Ion Ratio Lower Upper

43 100

74 21.3 19.2 28.8



#20

Methylene Chloride

Concen: 1.09 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Tgt Ion: 84 Resp: 19895

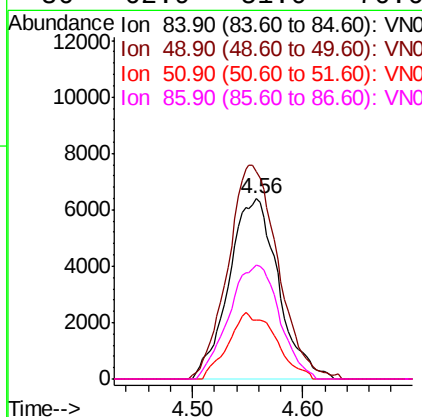
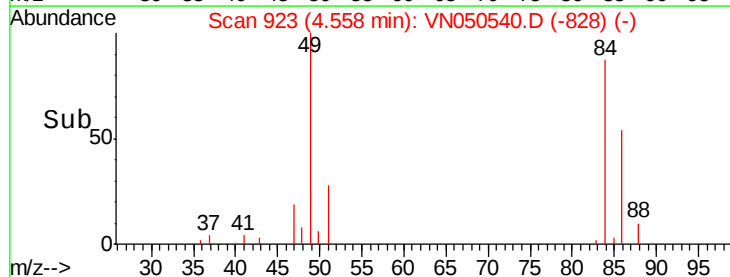
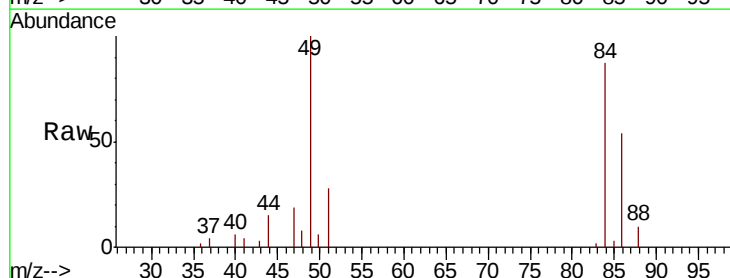
Ion Ratio Lower Upper

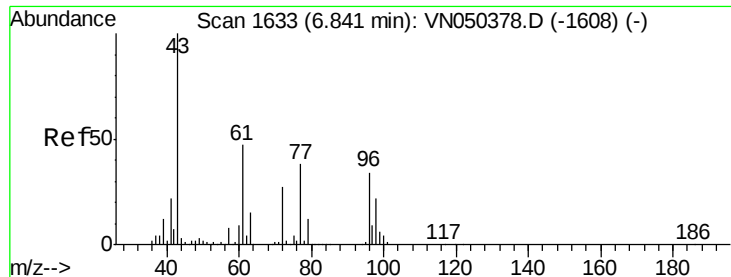
84 100

49 115.5 94.8 142.2

51 32.8 28.3 42.5

86 62.9 51.0 76.6





#25

2-Butanone

Concen: 0.85 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

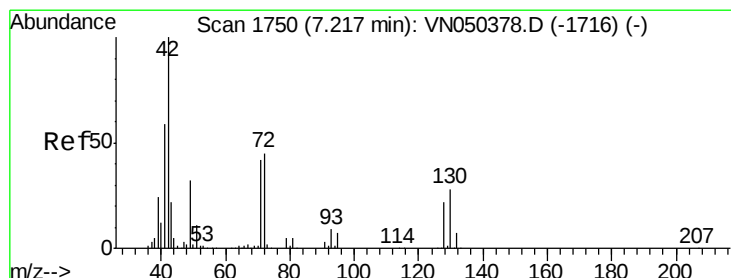
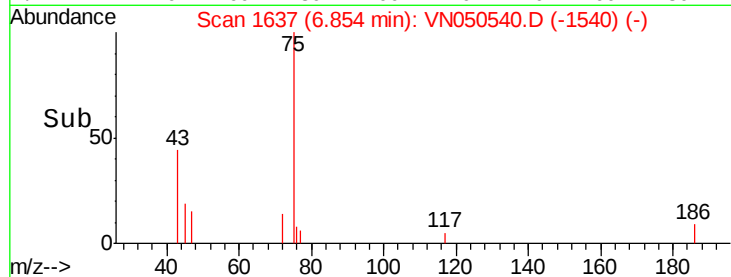
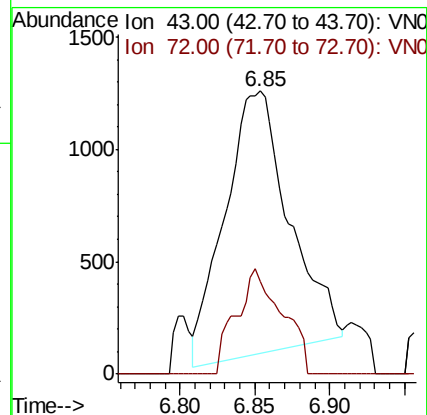
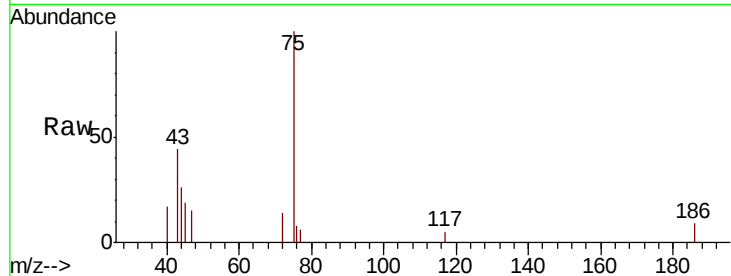
PB111921ZHE#14

Tot Ion: 43 Resp: 3511

Ion Ratio Lower Upper

43 100

72 37.6 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.69 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

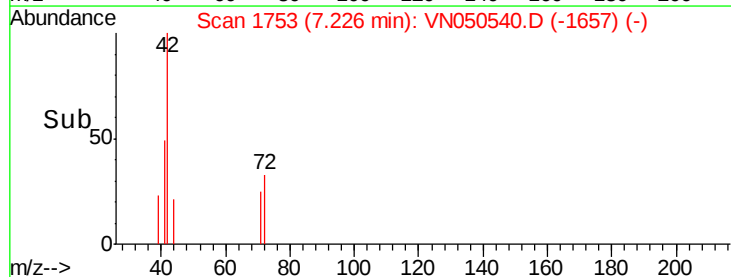
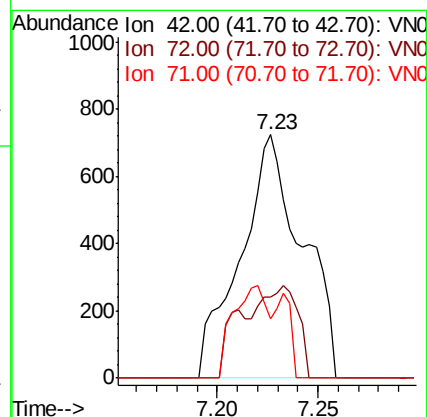
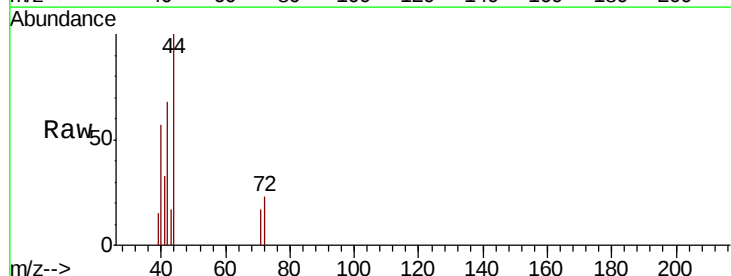
Tgt Ion: 42 Resp: 1534

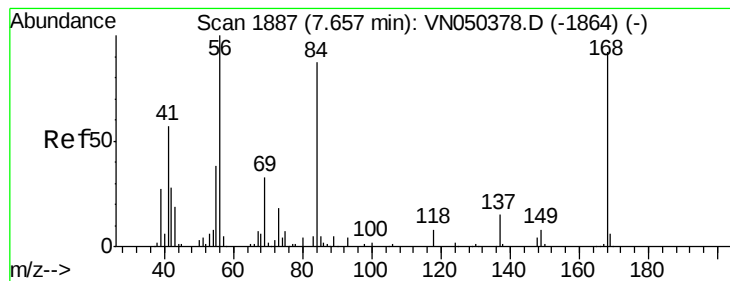
Ion Ratio Lower Upper

42 100

72 23.3 35.9 53.9#

71 21.9 33.7 50.5#





#31

Cvclohexane

Concen: 0.32 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#14

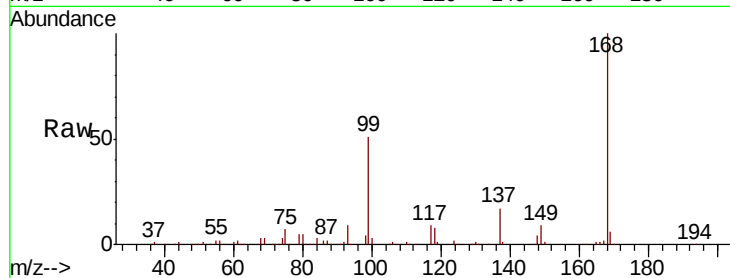
Tot Ion: 56 Resp: 11357

Ion Ratio Lower Upper

56 100

69 189.5 26.2 39.4#

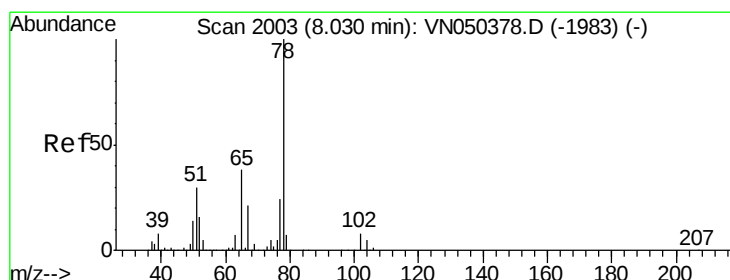
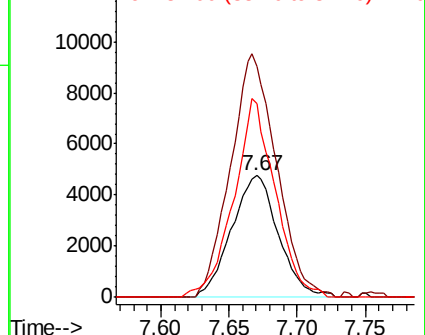
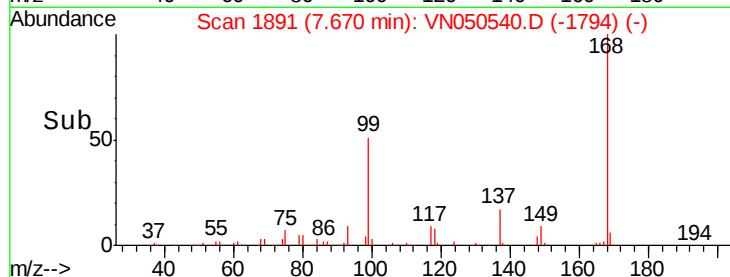
84 159.1 67.4 101.0#



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: 52.31 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050540.D

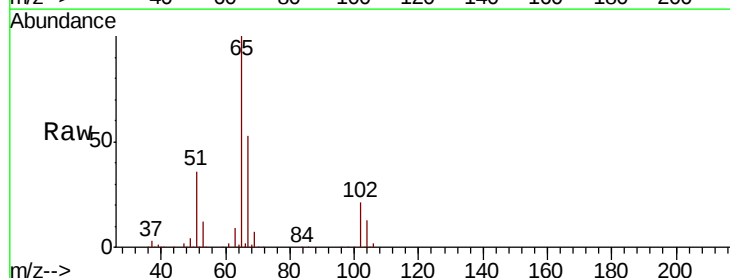
Acq: 11 Aug 2018 1:16

Tgt Ion: 65 Resp: 437931

Ion Ratio Lower Upper

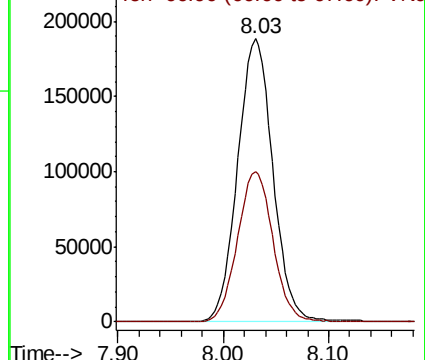
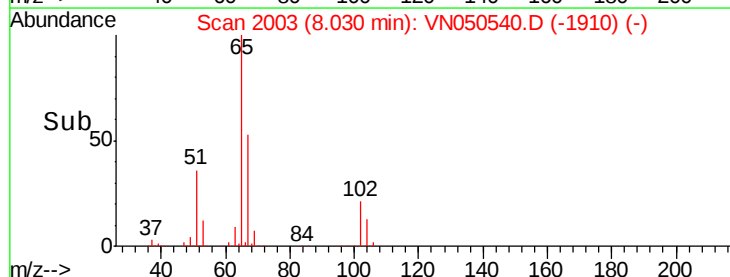
65 100

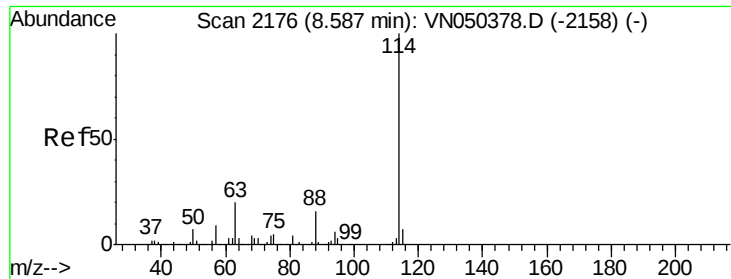
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

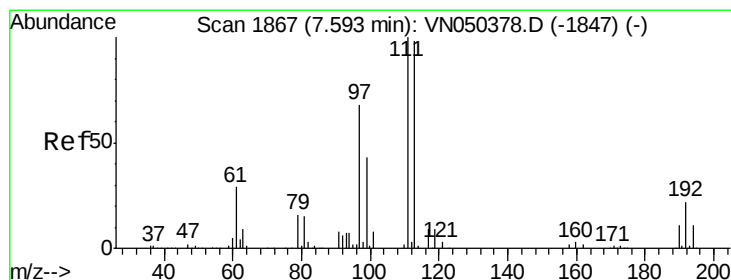
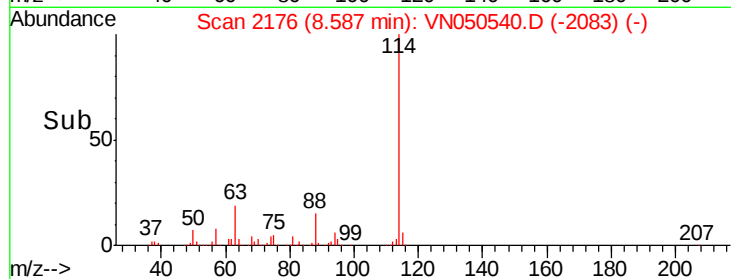
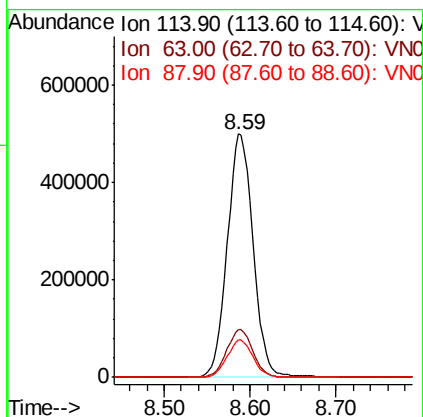
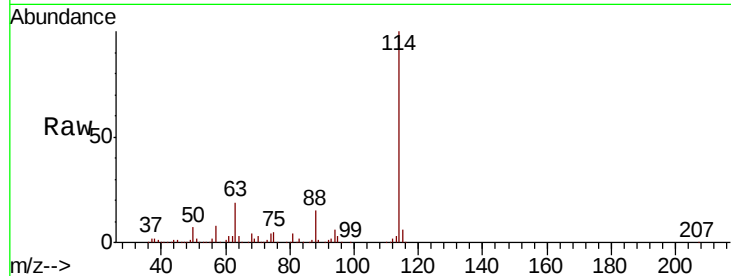




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050540.D
 Acq: 11 Aug 2018 1:16

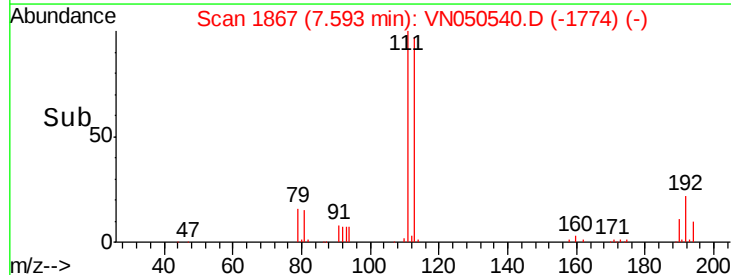
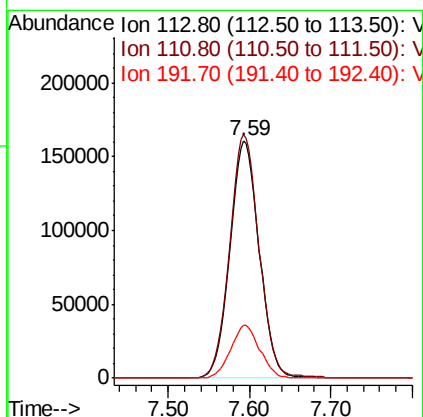
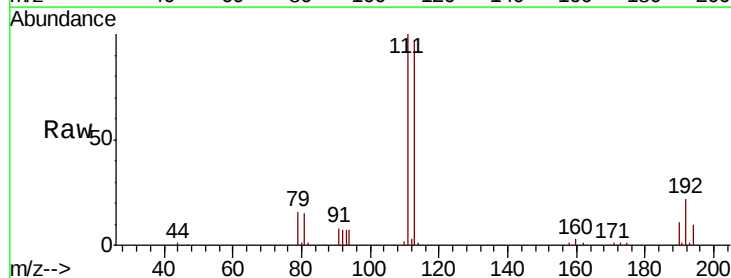
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#14

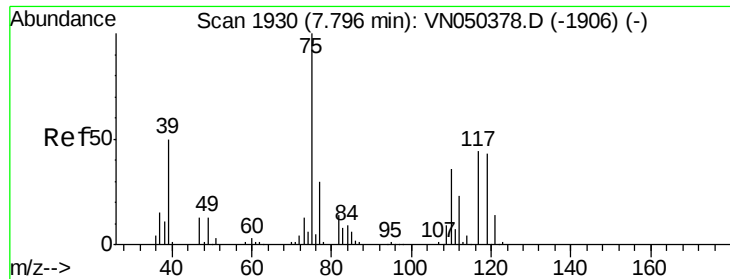
Tot Ion:114 Resp: 1043605
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.3 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 48.11 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050540.D
 Acq: 11 Aug 2018 1:16

Tgt Ion:113 Resp: 402903
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.0 17.8 26.6

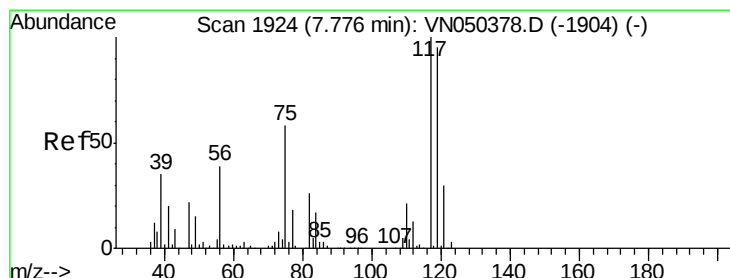
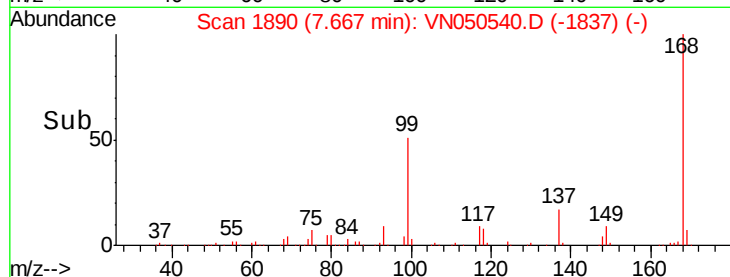
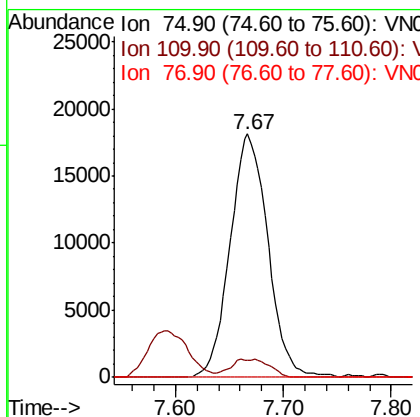
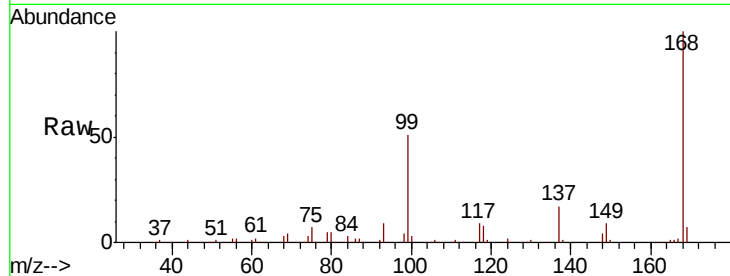




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050540.D
 Acq: 11 Aug 2018 1:16

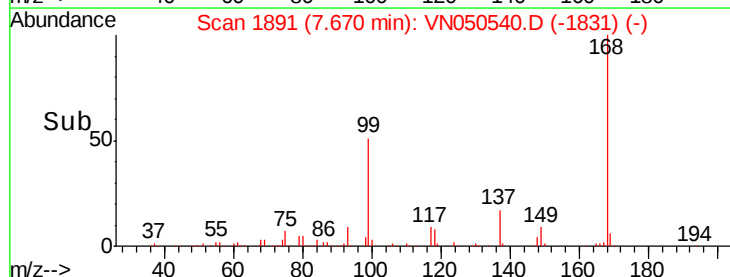
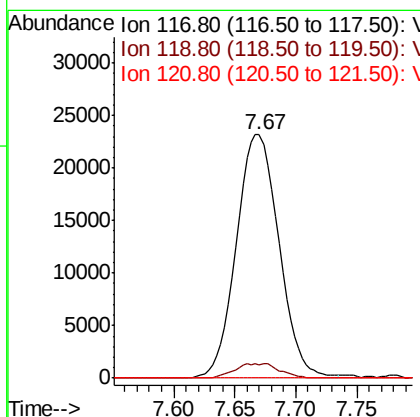
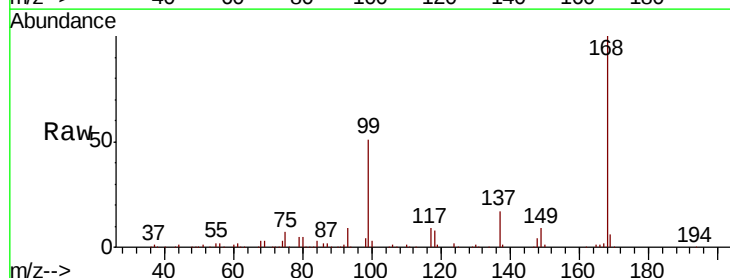
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#14

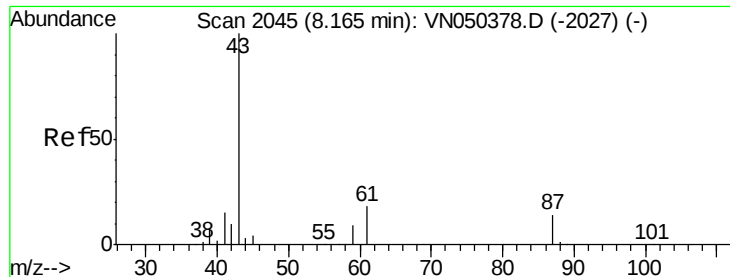
Tot Ion	75	Resp	44289
Ion Ratio	Lower	Upper	
75	100		
110	2.4	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.70 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050540.D
 Acq: 11 Aug 2018 1:16

Tgt Ion	117	Resp	56265
Ion Ratio	Lower	Upper	
117	100		
119	5.7	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 20.88 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#14

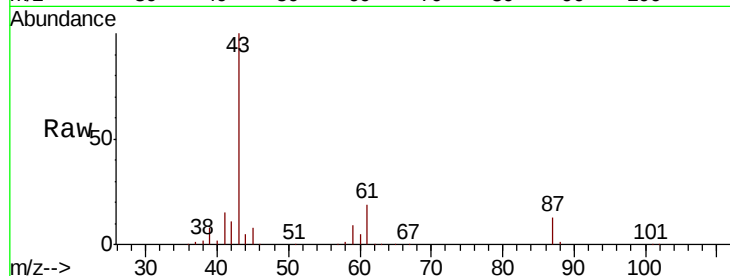
Tot Ion: 43 Resp: 297648

Ion Ratio Lower Upper

43 100

61 17.0 15.8 23.6

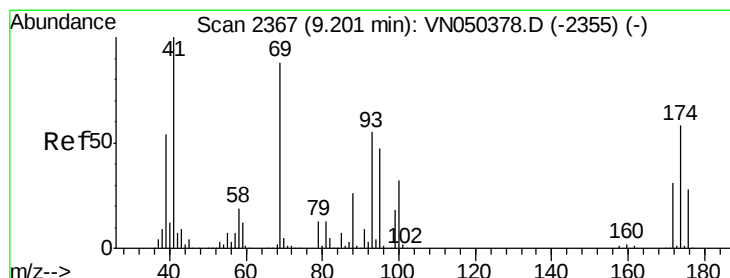
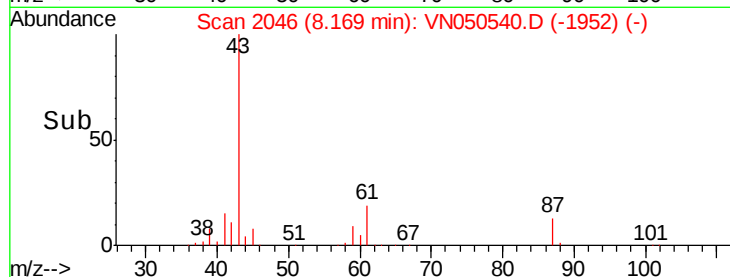
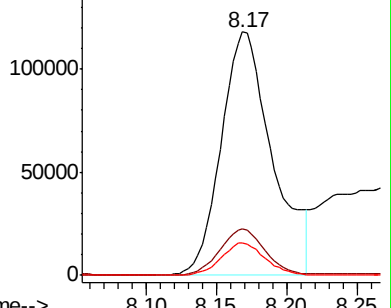
87 11.4 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



#48

Methyl methacrylate

Concen: 1.14 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

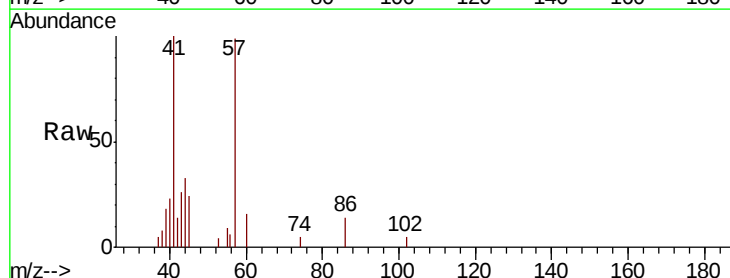
Tgt Ion: 41 Resp: 8118

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

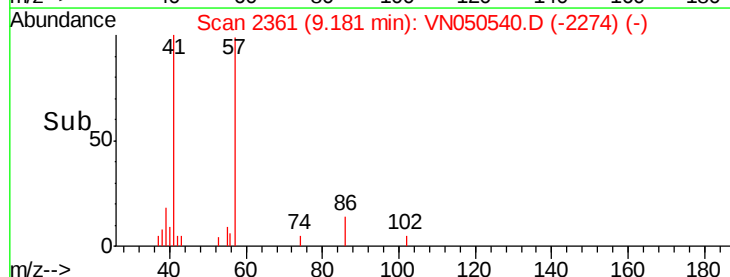
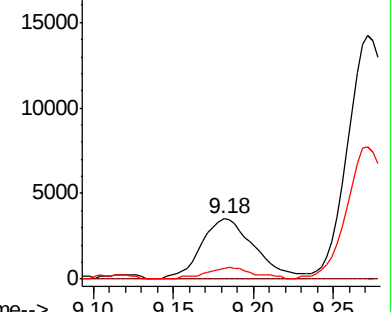
39 17.0 43.9 65.9#

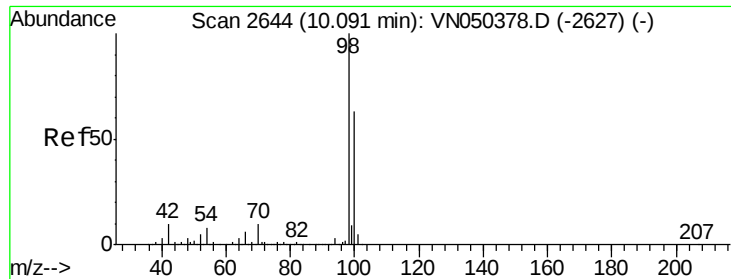


Abundance Ion 41.00 (40.70 to 41.70): VN050378.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050378.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050378.D (-2355) (-)





#50

Toluene-d8

Concen: 45.04 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

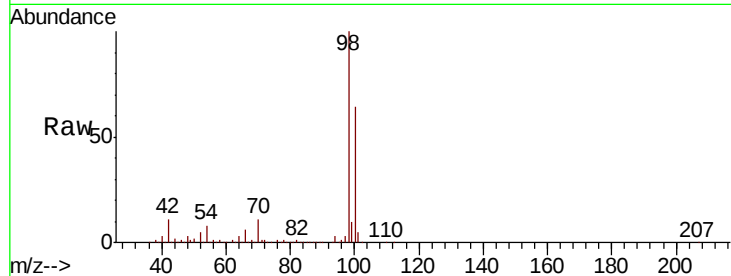
PB111921ZHE#14

Tot Ion: 98 Resp: 1418176

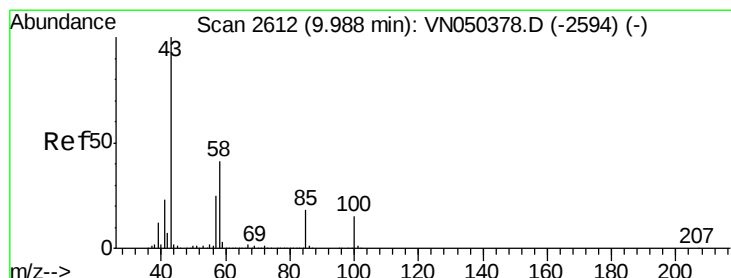
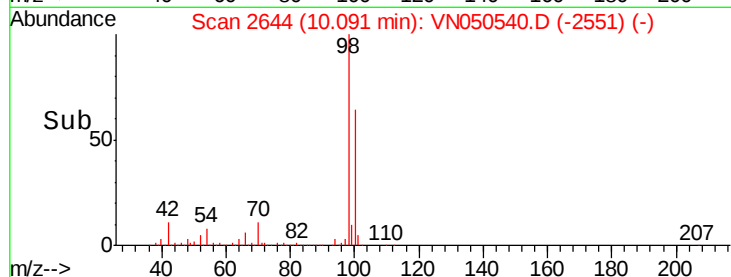
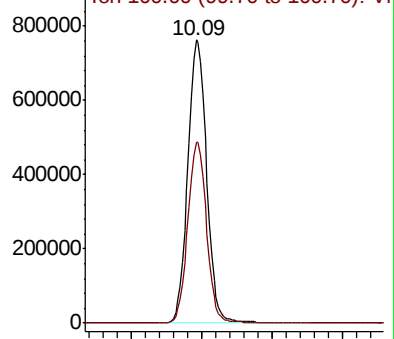
Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050378.D (-2627) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.23 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050540.D

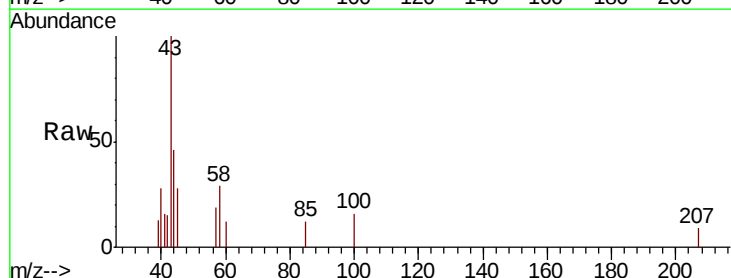
Acq: 11 Aug 2018 1:16

Tgt Ion: 43 Resp: 2379

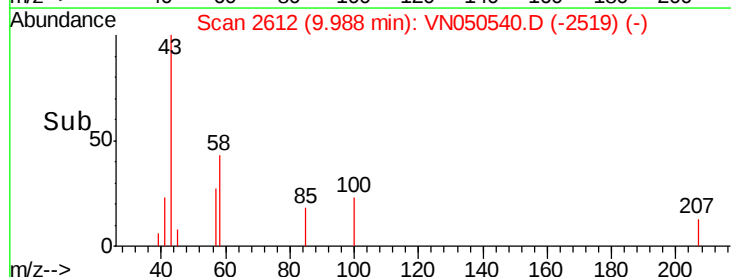
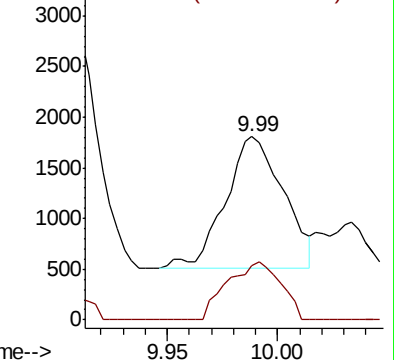
Ion Ratio Lower Upper

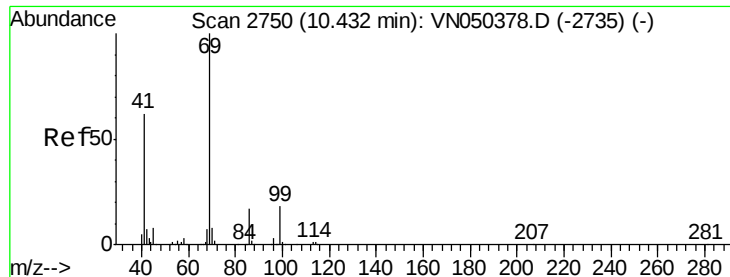
43 100

58 40.6 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.27 min Scan# 2699

Delta R.T. -0.16 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#14

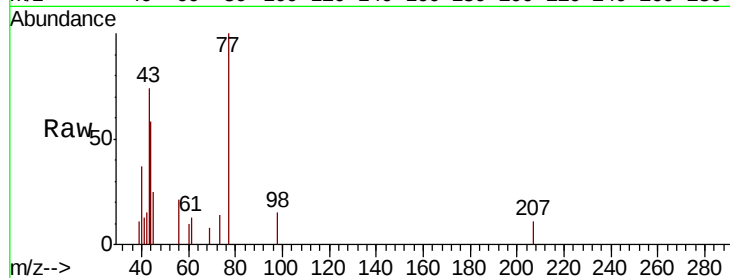
Tot Ion: 69 Resp: 89

Ion Ratio Lower Upper

69 100

41 1093.3 51.0 76.4#

39 285.4 26.6 40.0#

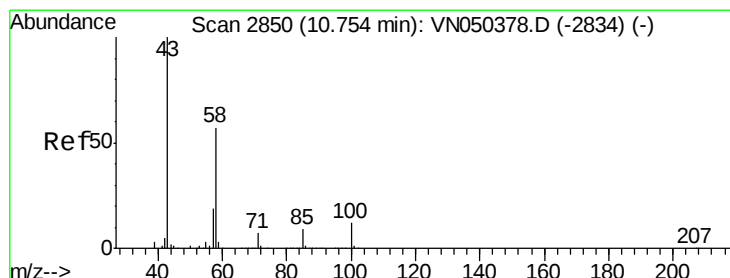
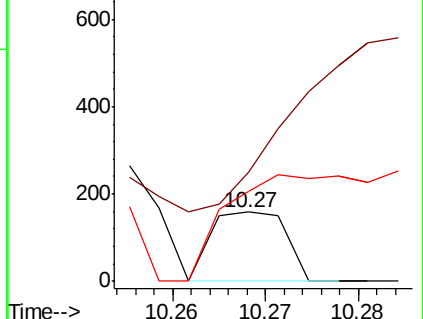
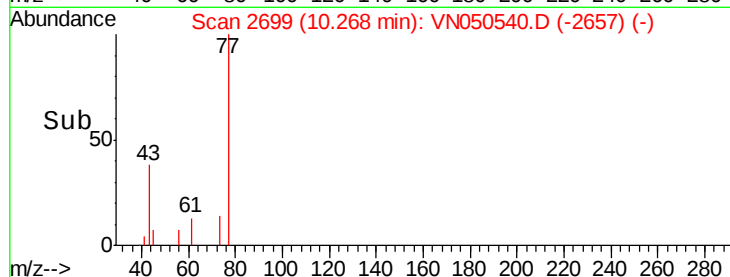


Abundance Ion 69.00 (68.70 to 69.70): VN050378.D (-2735) (-)

Ion 41.00 (40.70 to 41.70): VN050378.D (-2735) (-)

Ion 39.00 (38.70 to 39.70): VN050378.D (-2735) (-)

Time-->



#59

2-Hexanone

Concen: 2.57 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050540.D

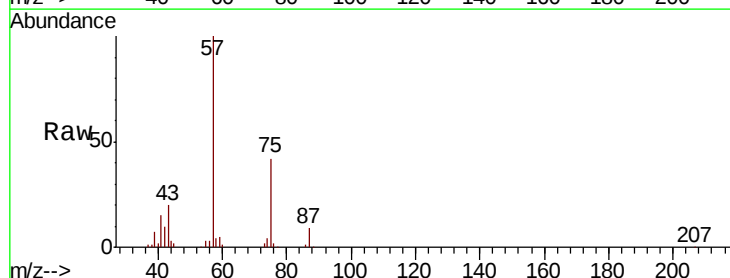
Acq: 11 Aug 2018 1:16

Tgt Ion: 43 Resp: 18433

Ion Ratio Lower Upper

43 100

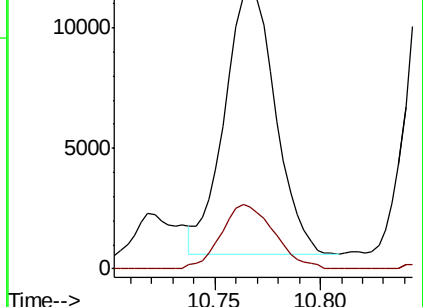
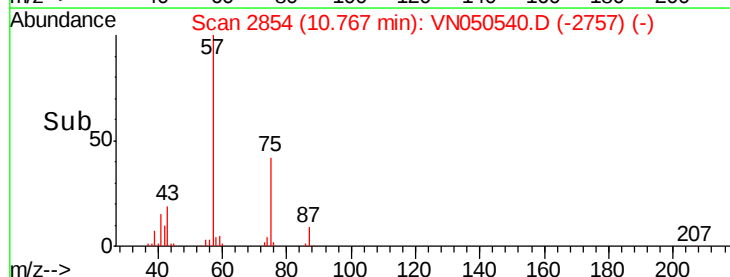
58 25.4 27.6 82.7#

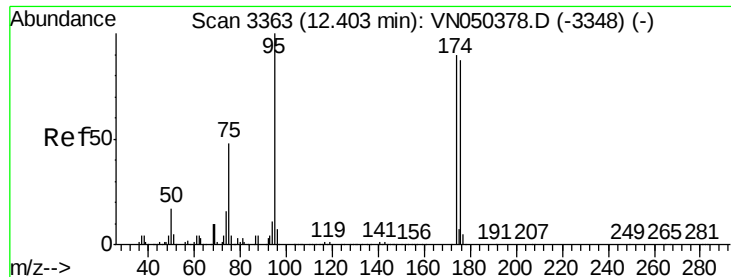


Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2834) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-2834) (-)

Time-->

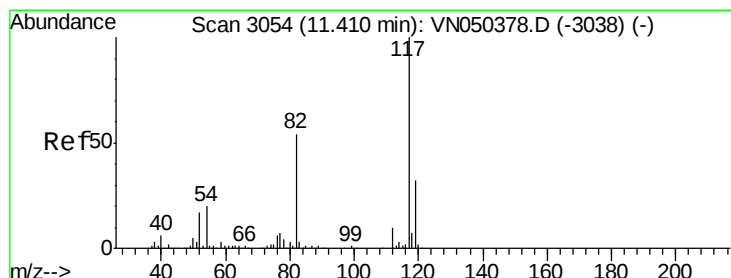
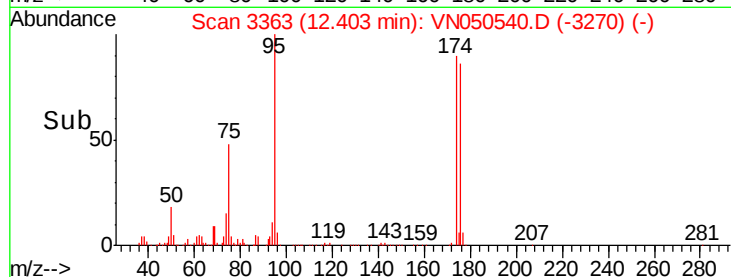
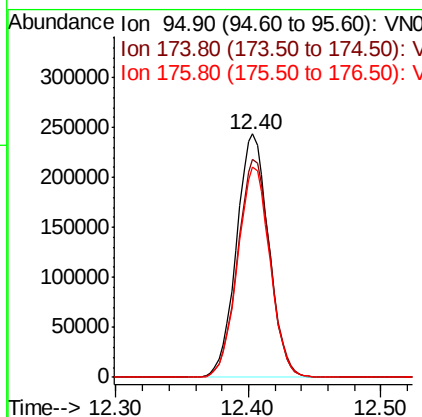
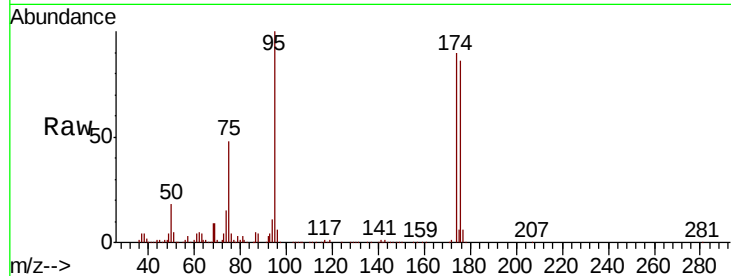




#62
4-Bromofluorobenzene
Concen: 38.23 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050540.D
Acq: 11 Aug 2018 1:16

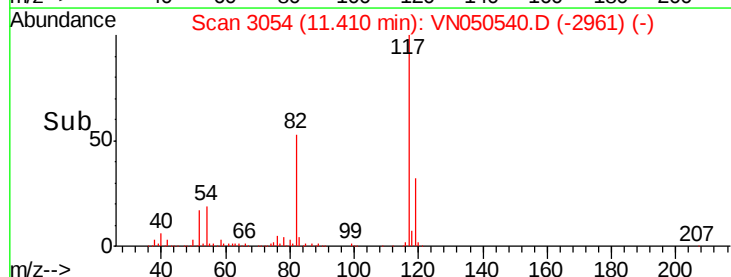
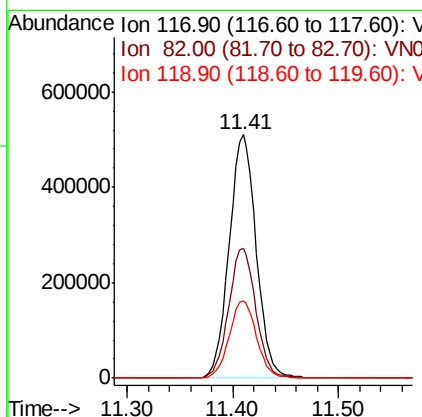
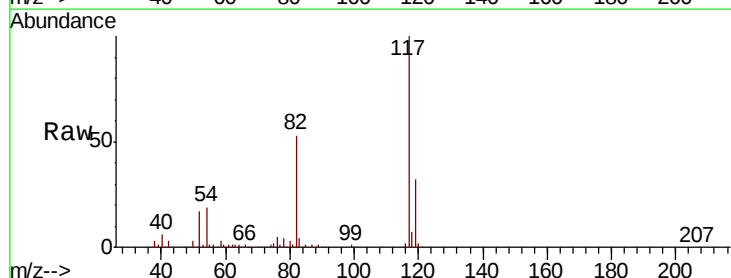
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#14

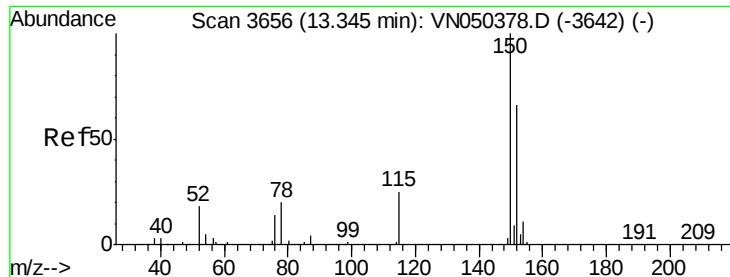
Tot Ion: 95 Resp: 410281
Ion Ratio Lower Upper
95 100
174 91.0 0.0 178.2
176 87.0 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050540.D
Acq: 11 Aug 2018 1:16

Tgt Ion: 117 Resp: 903483
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 31.9 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050540.D

Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#14

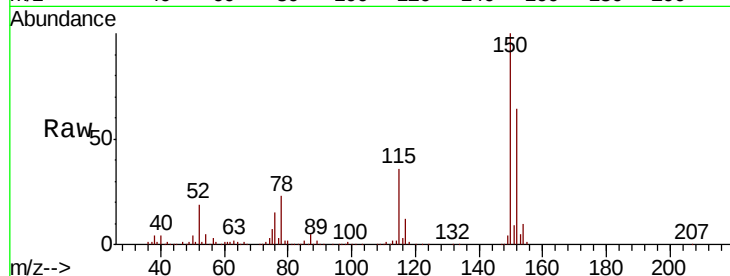
Tot Ion:152 Resp: 347087

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

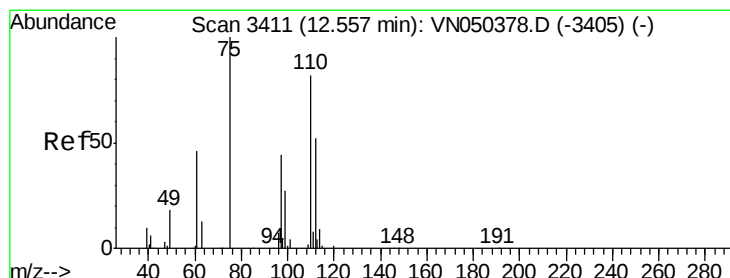
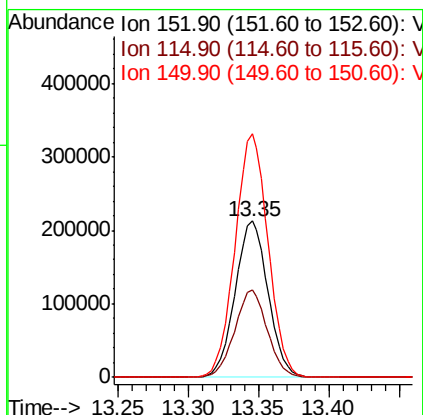
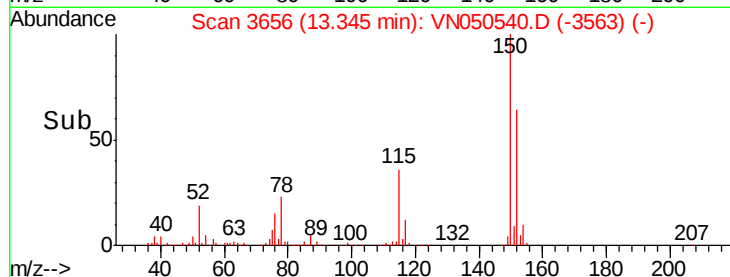
150 156.4 0.0 348.6



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: 31.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050540.D

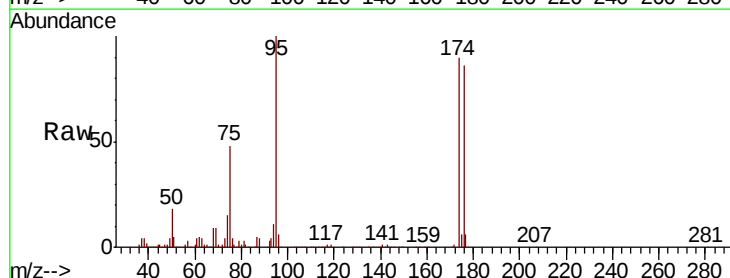
Acq: 11 Aug 2018 1:16

Tgt Ion: 75 Resp: 197732

Ion Ratio Lower Upper

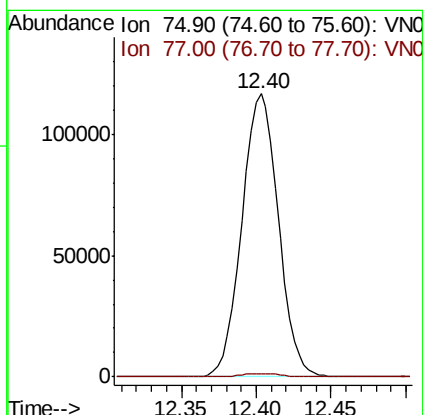
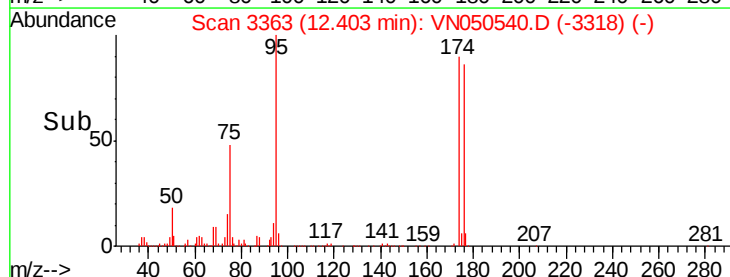
75 100

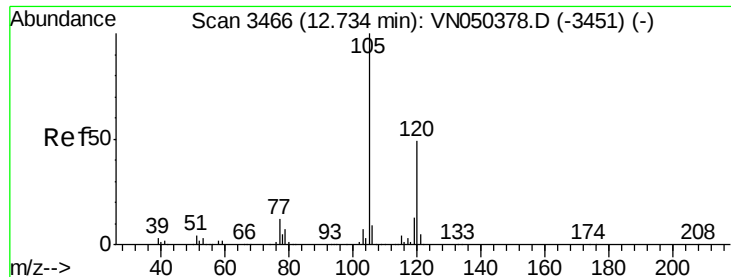
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

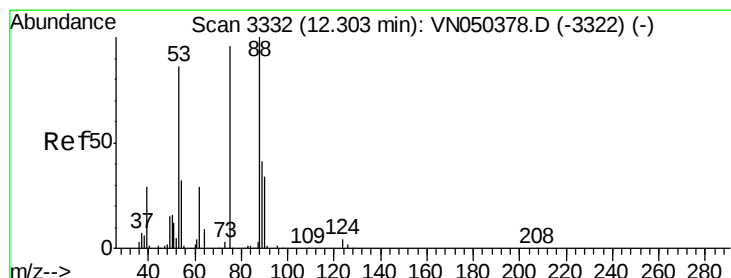
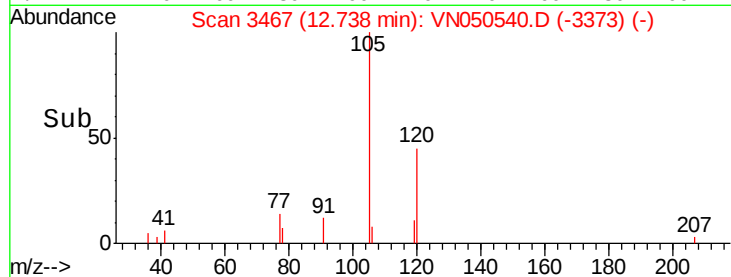
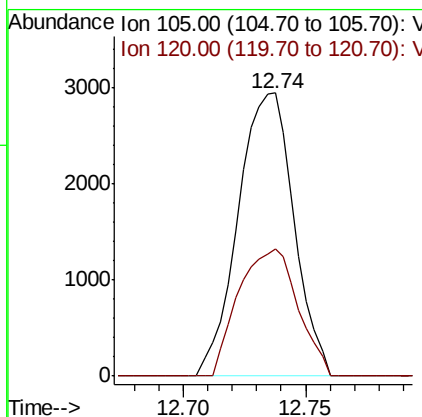
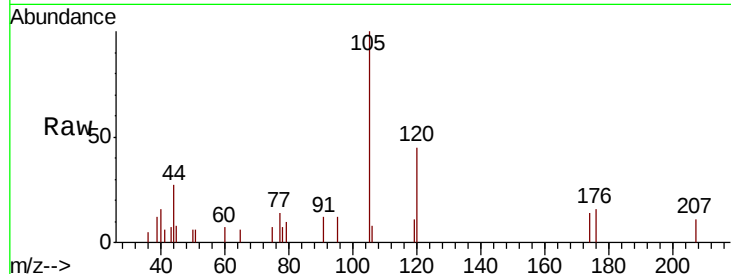




#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN050540.D
 Acq: 11 Aug 2018 1:16

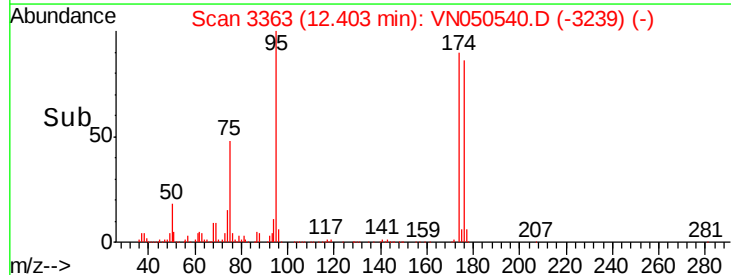
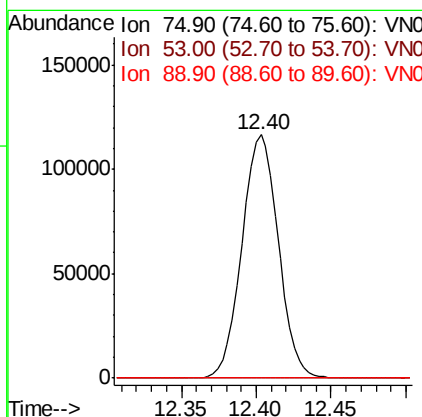
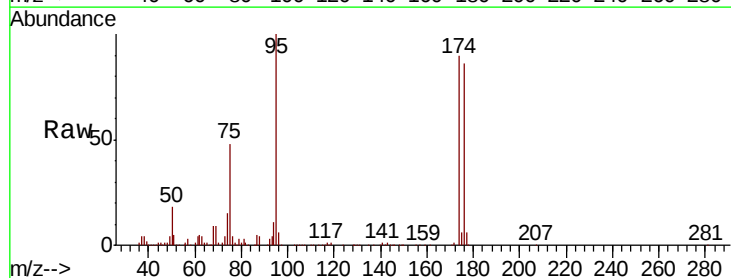
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#14

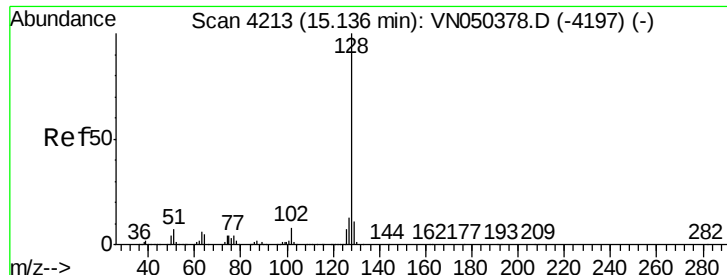
Tot Ion:105 Resp: 4660
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.58 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050540.D
 Acq: 11 Aug 2018 1:16

Tgt Ion: 75 Resp: 197732
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.5 110.3#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 3.64 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050540.D

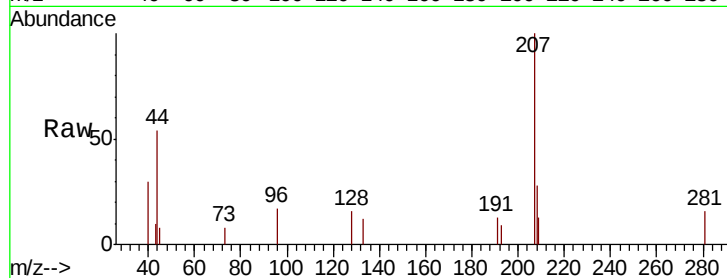
Acq: 11 Aug 2018 1:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#14



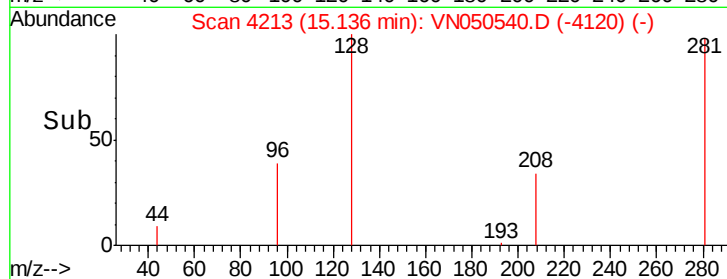
Tot Ion:128 Resp: 312

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

