

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050520.D
 Acq On : 10 Aug 2018 16:11
 Operator : MD\SY
 Sample : PB111921ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#01

Quant Time: Aug 10 23:17:11 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	707177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1166050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1011212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	403618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	484167	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	444642	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1582291	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.40	95	464740	38.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.52%	

Target Compounds

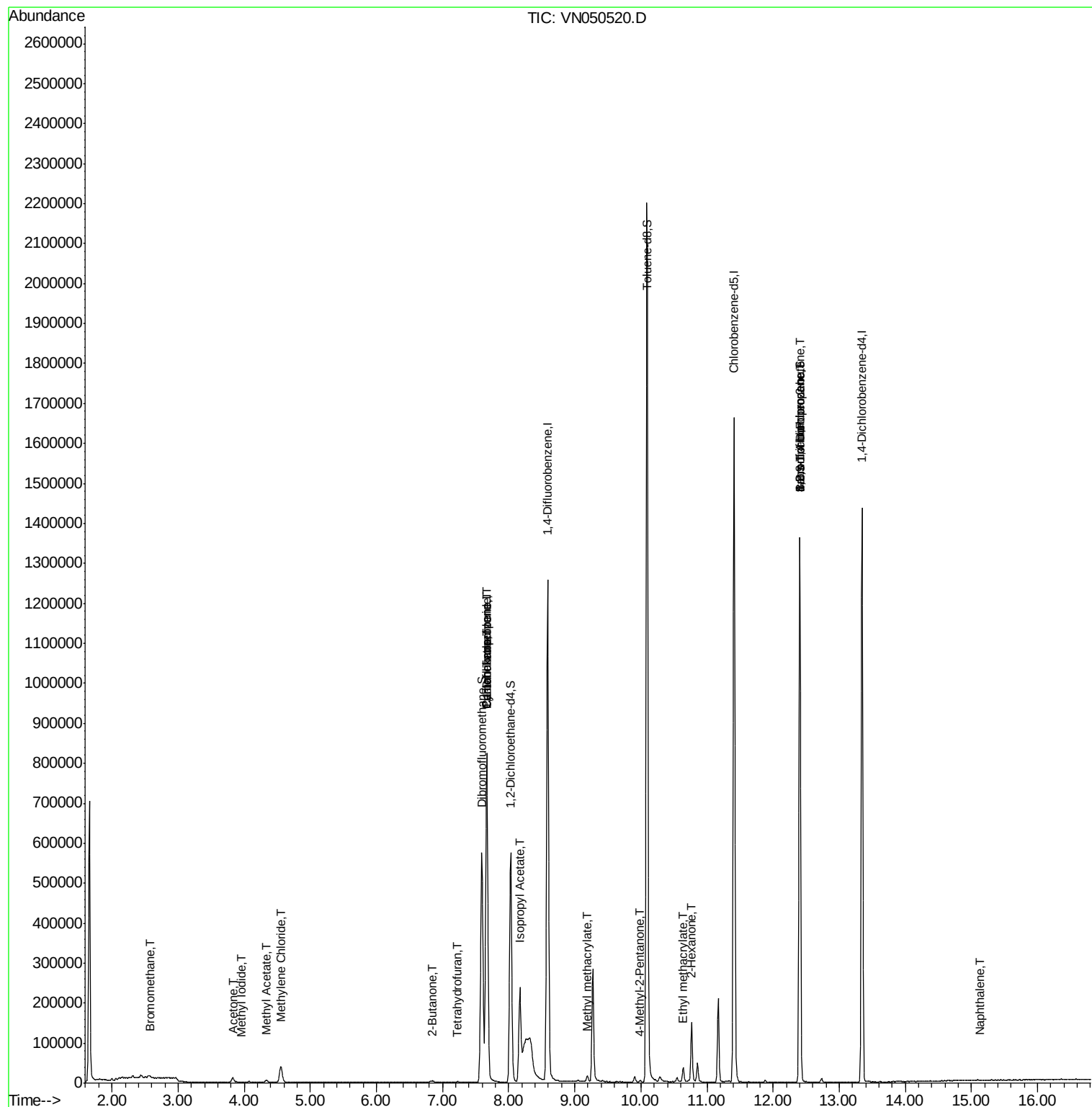
						Qvalue
3) Chloromethane	2.06	50	3034	Below Cal		98
5) Bromomethane	2.57	94	4539	1.09 ug/l		98
10) Methyl Iodide	3.95	142	998	0.28 ug/l #		89
16) Acetone	3.82	43	19919	6.72 ug/l		97
18) Methyl Acetate	4.34	43	11762	1.42 ug/l		91
20) Methylene Chloride	4.56	84	32116	2.25 ug/l		93
25) 2-Butanone	6.85	43	3646	0.78 ug/l		99
29) Tetrahydrofuran	7.22	42	1752	0.70 ug/l #		40
31) Cyclohexane	7.67	56	13237	0.35 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	48043	3.75 ug/l #		48
38) Carbon Tetrachloride	7.67	117	63801	4.77 ug/l #		16
43) Isopropyl Acetate	8.17	43	296779	18.63 ug/l		98
48) Methyl methacrylate	9.18	41	8423	1.06 ug/l #		21
51) 4-Methyl-2-Pentanone	9.98	43	2871	0.25 ug/l #		82
56) Ethyl methacrylate	10.64	69	680	1.76 ug/l #		1
59) 2-Hexanone	10.77	43	21300	2.66 ug/l #		59
71) Bromoform	12.40	173	3807	0.56 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	220519	30.18 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	220519	106.05 ug/l #		13
95) Naphthalene	15.14	128	199	3.63 ug/l #		69

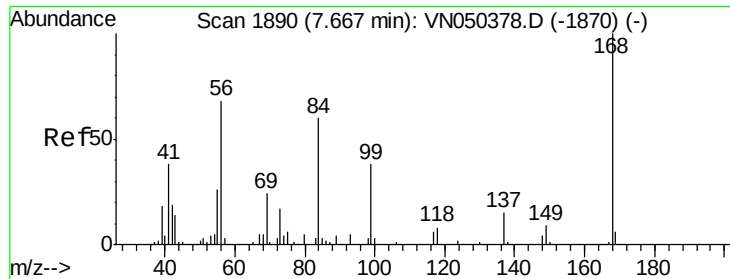
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
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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: VN050520.D

Acq: 10 Aug 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

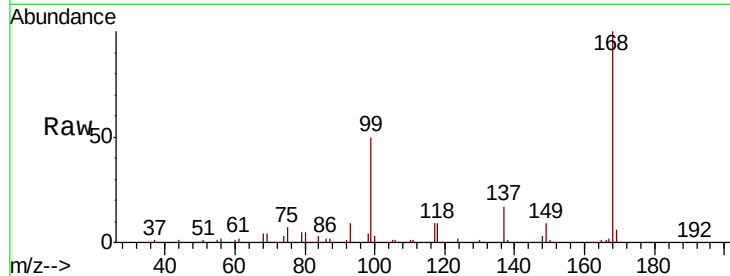
PB111921ZHE#01

Tot Ion:168 Resp: 707177

Ion Ratio Lower Upper

168 100

99 50.2 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

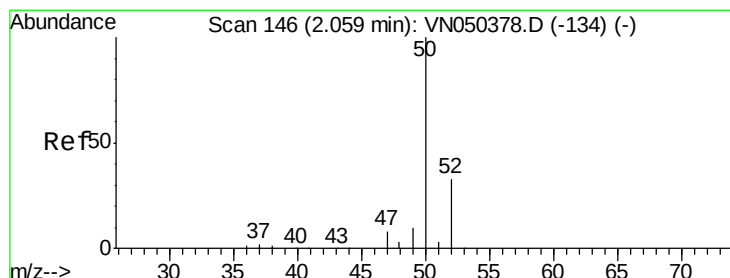
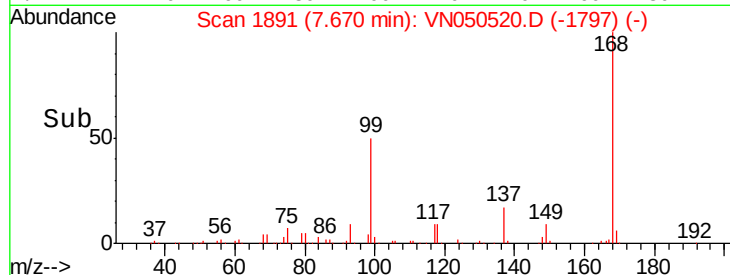
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050520.D

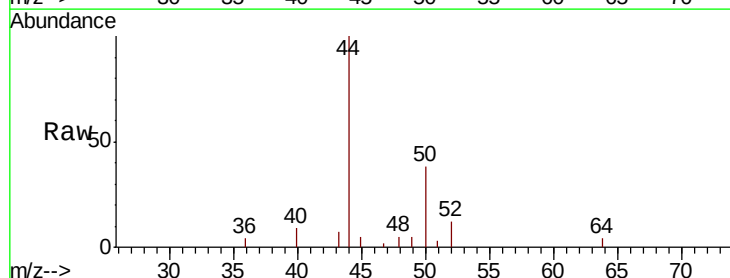
Acq: 10 Aug 2018 16:11

Tgt Ion: 50 Resp: 3034

Ion Ratio Lower Upper

50 100

52 31.5 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

2500

2000

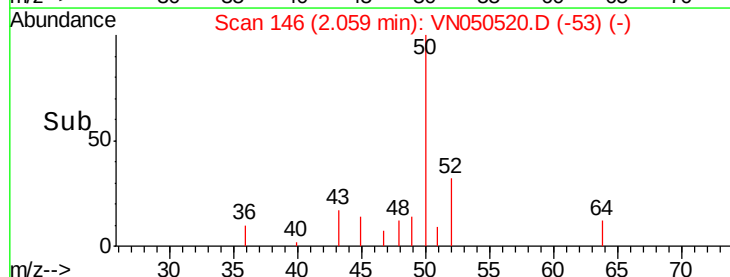
1500

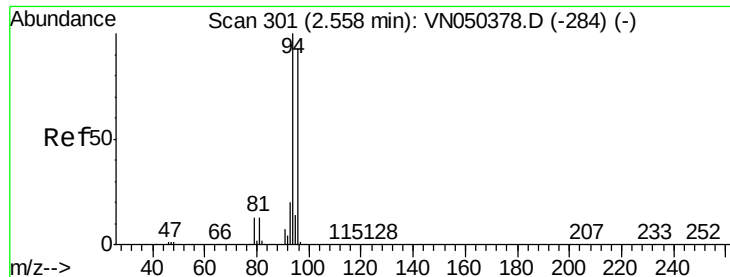
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.09 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

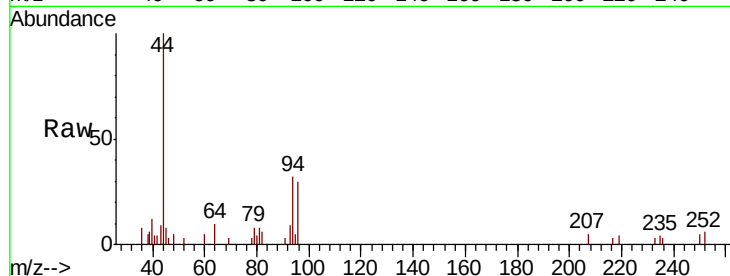
PB111921ZHE#01

Tot Ion: 94 Resp: 4539

Ion Ratio Lower Upper

94 100

96 95.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050520.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050520.D (-207) (-)

2.57

2000

1500

1000

500

0

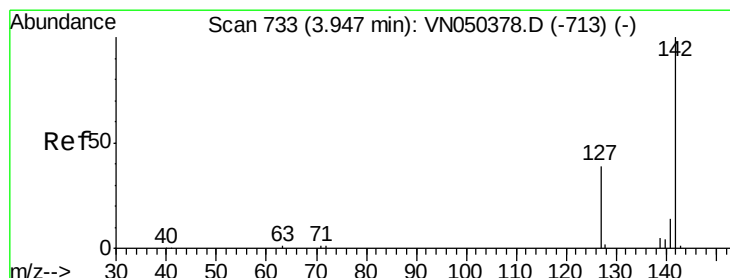
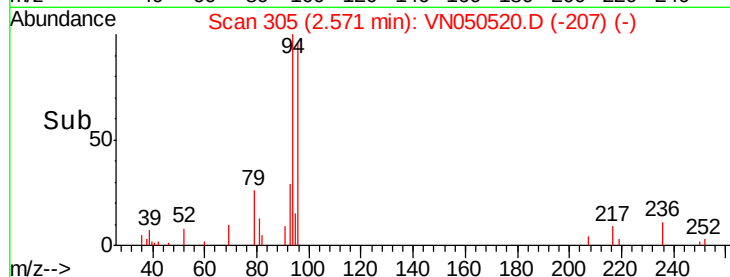
Time-->

2.50

2.55

2.60

2.65



#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

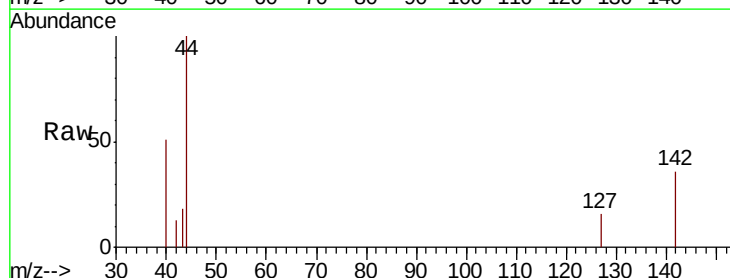
Tgt Ion: 142 Resp: 998

Ion Ratio Lower Upper

142 100

127 40.0 33.4 50.2

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050520.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050520.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050520.D (-639) (-)

3.95

600

500

400

300

200

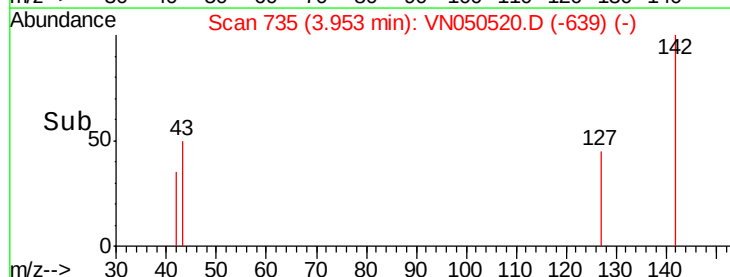
100

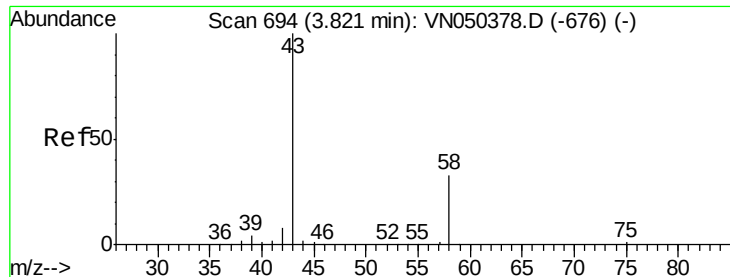
0

Time-->

3.90

3.95

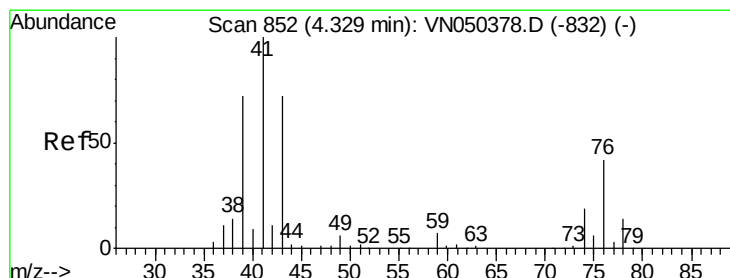
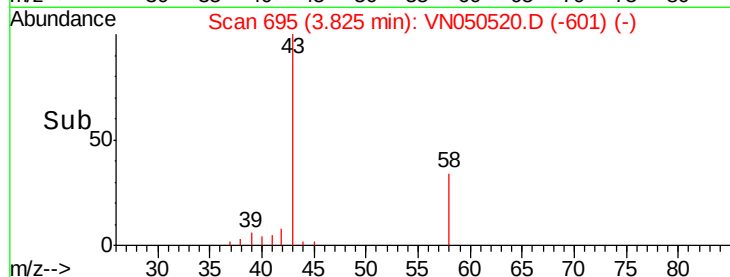
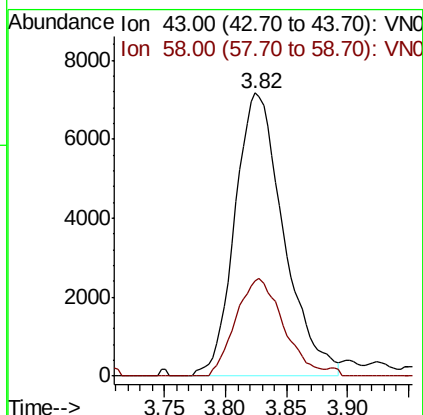
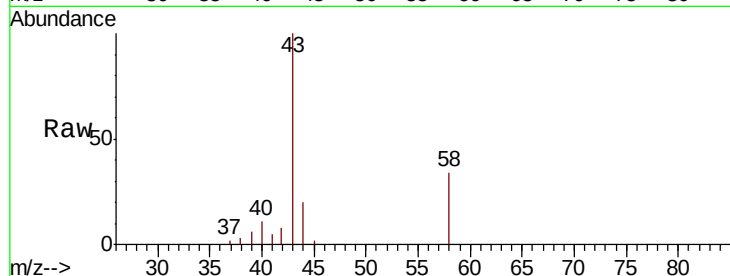




#16
Acetone
Concen: 6.72 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

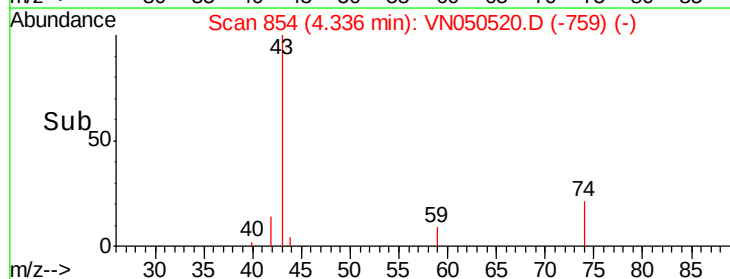
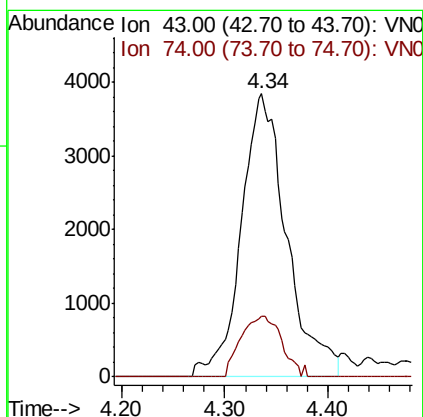
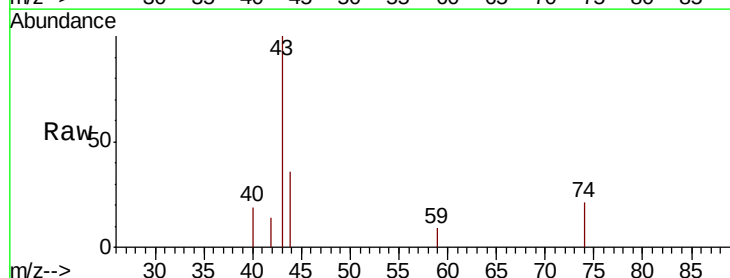
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#01

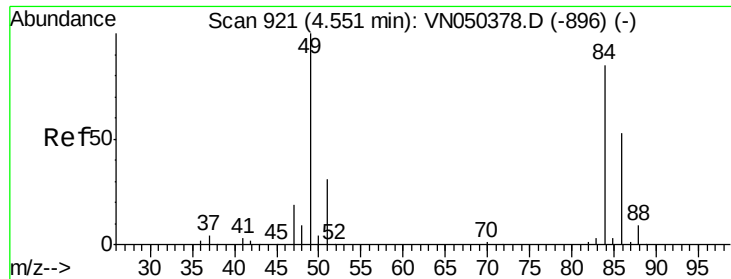
Tot Ion: 43 Resp: 19919
Ion Ratio Lower Upper
43 100
58 33.8 25.8 38.8



#18
Methyl Acetate
Concen: 1.42 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Tgt Ion: 43 Resp: 11762
Ion Ratio Lower Upper
43 100
74 19.4 19.2 28.8

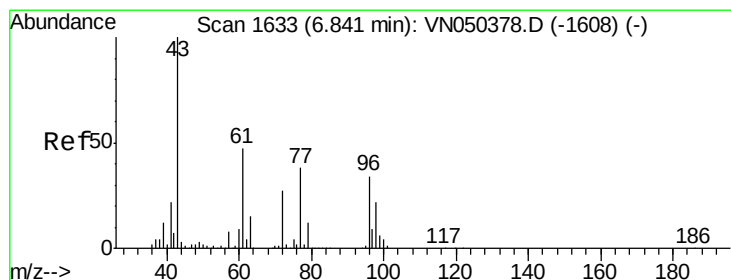
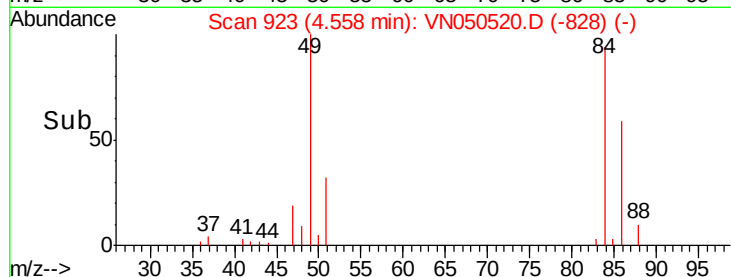
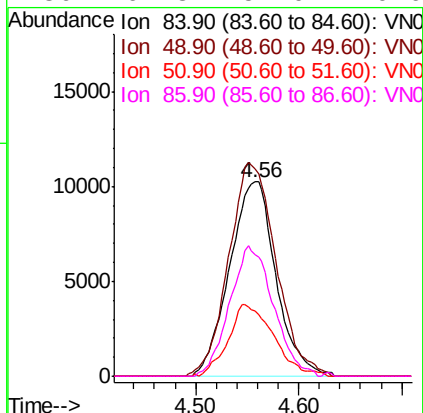
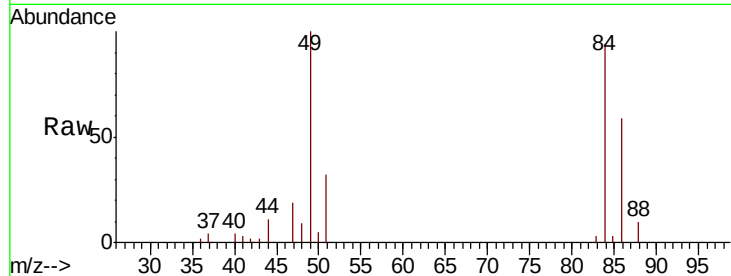




#20
Methylene Chloride
Concen: 2.25 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

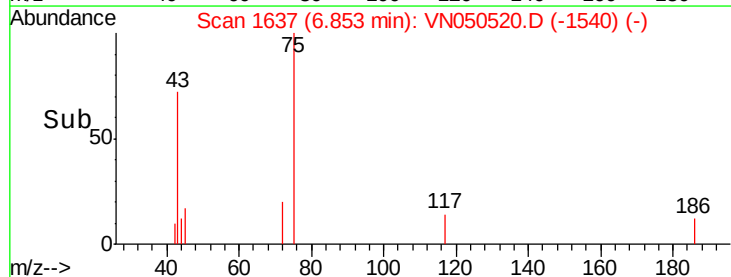
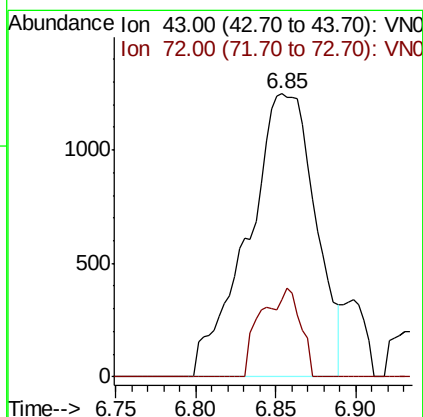
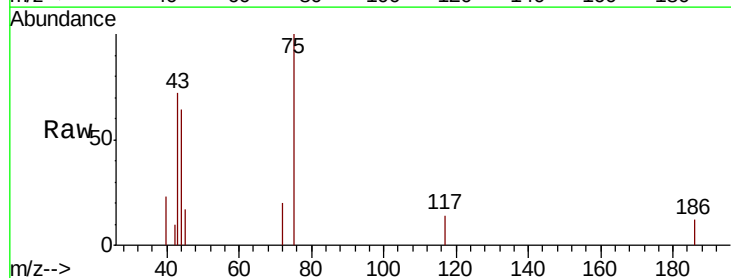
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#01

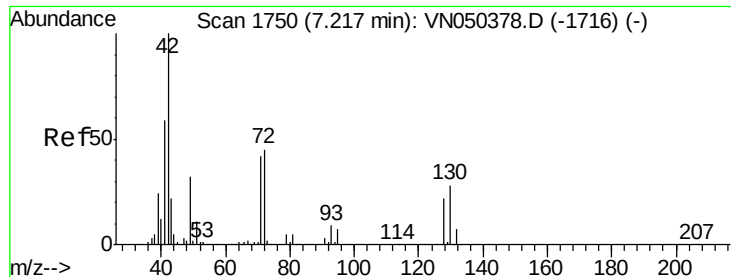
Tot Ion:	84	Resp:	32116
Ion	Ratio	Lower	Upper
84	100		
49	106.4	94.8	142.2
51	33.6	28.3	42.5
86	62.3	51.0	76.6



#25
2-Butanone
Concen: 0.78 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Tgt Ion:	43	Resp:	3646
Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.5	32.3





#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#01

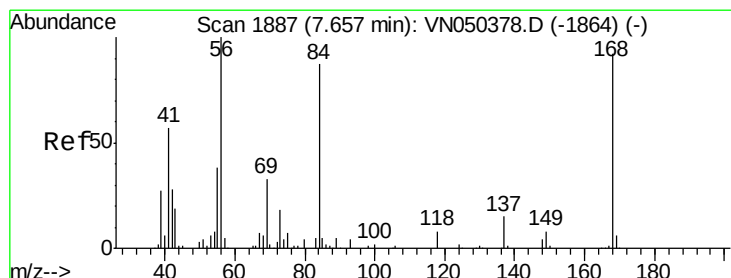
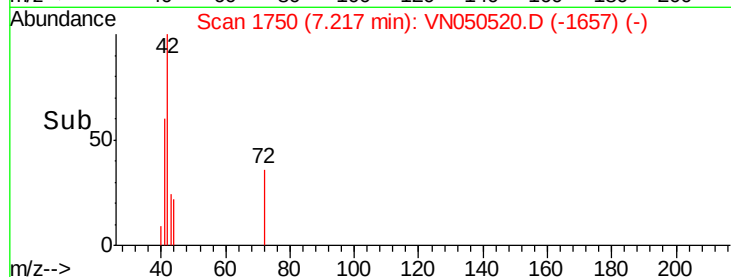
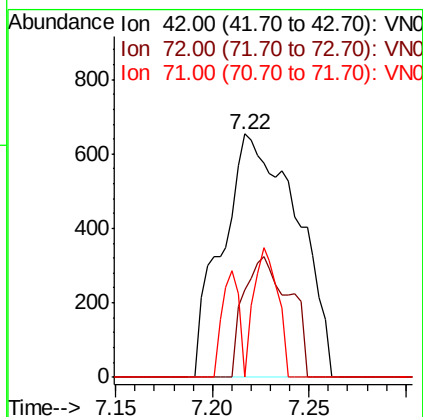
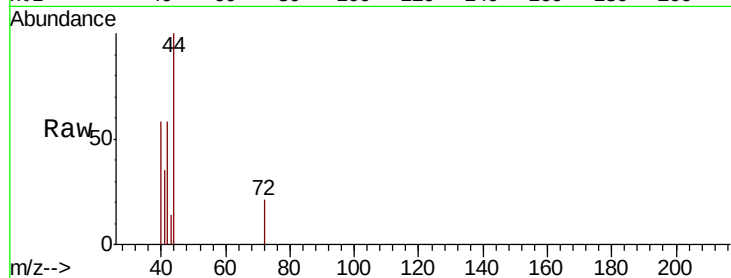
Tot Ion: 42 Resp: 1752

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 10.0 33.7 50.5#



#31

Cyclohexane

Concen: 0.35 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

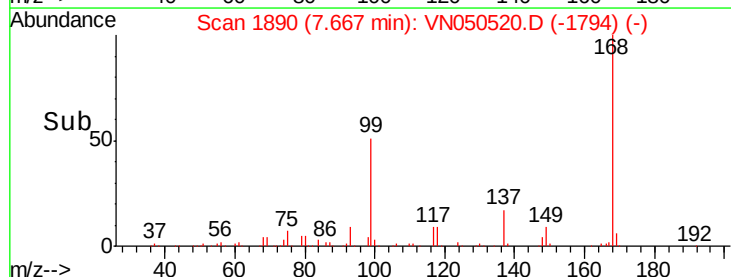
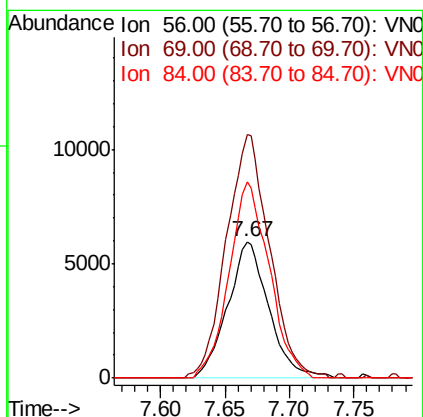
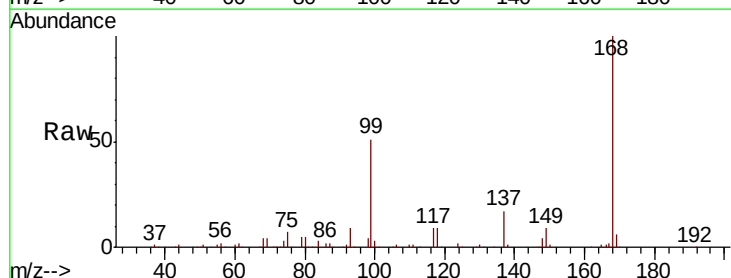
Tgt Ion: 56 Resp: 13237

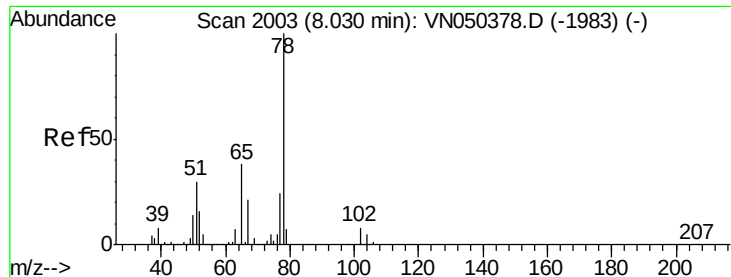
Ion Ratio Lower Upper

56 100

69 175.8 26.2 39.4#

84 144.4 67.4 101.0#

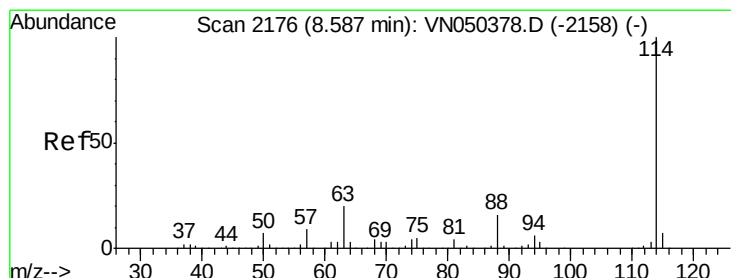
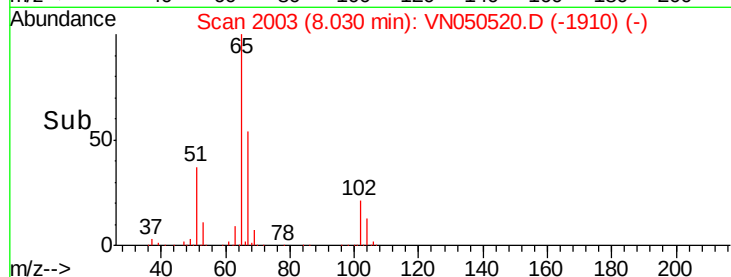
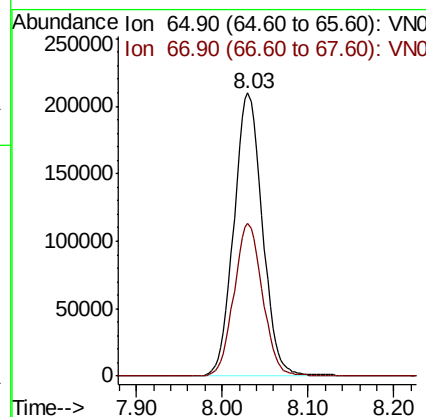
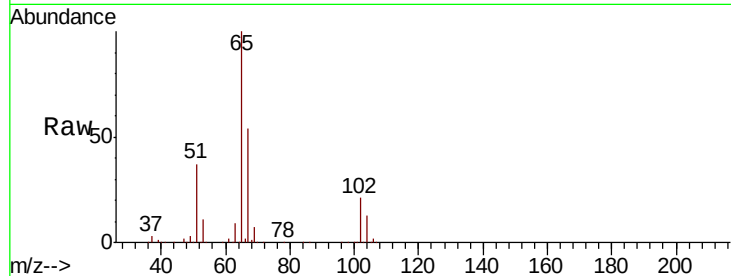




#33
 1,2-Dichloroethane-d4
 Concen: 51.24 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050520.D
 Acq: 10 Aug 2018 16:11

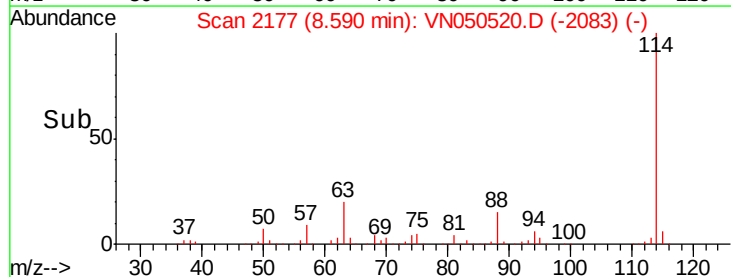
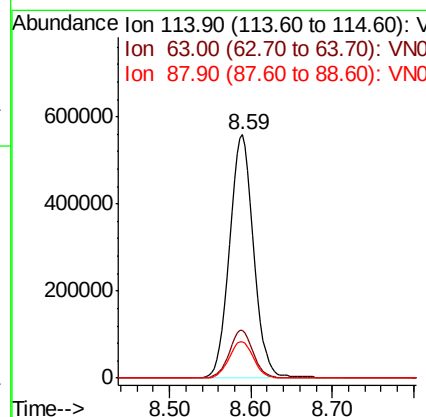
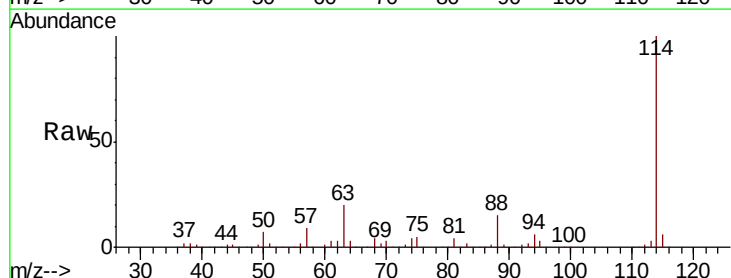
Instrument :
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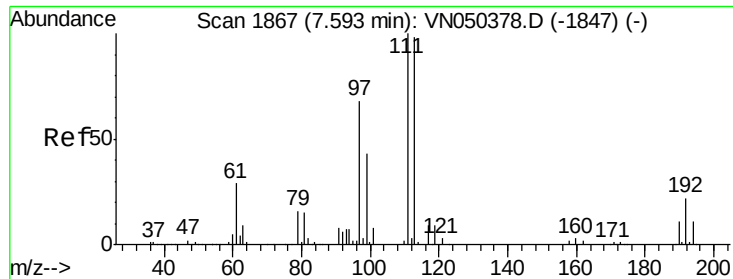
Tot Ion: 65 Resp: 484167
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050520.D
 Acq: 10 Aug 2018 16:11

Tgt Ion: 114 Resp: 1166050
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.0 0.0 31.2

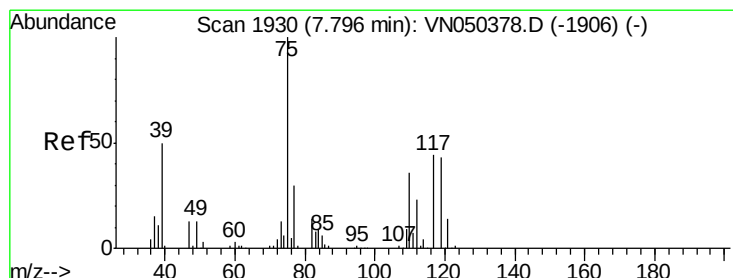
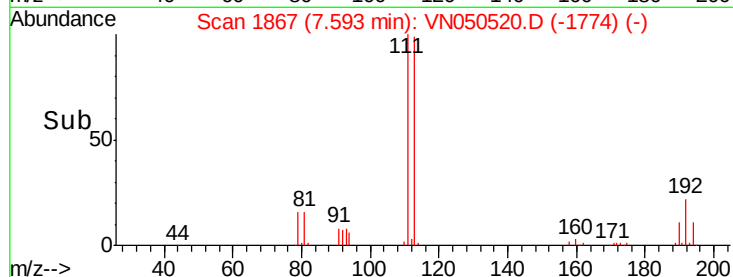
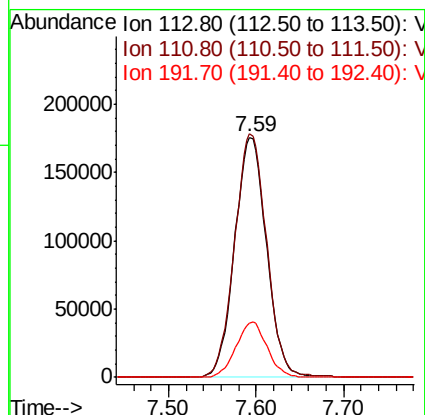
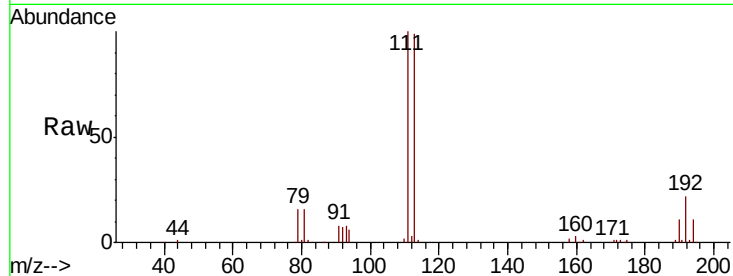




#35
 Dibromofluoromethane
 Concen: 47.52 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050520.D
 Acq: 10 Aug 2018 16:11

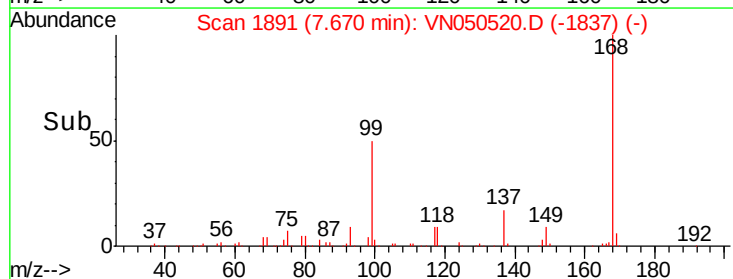
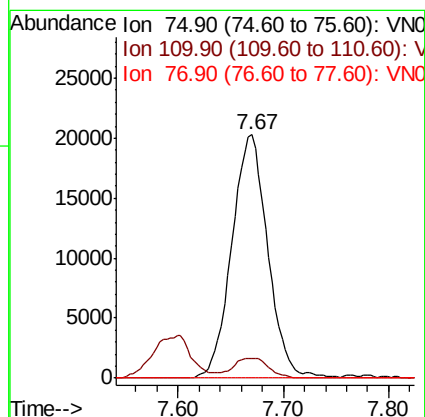
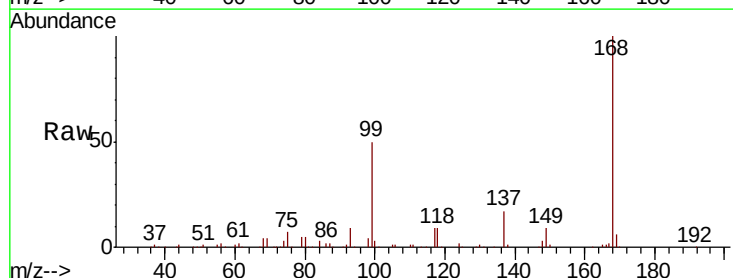
Instrument :
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 PB111921ZHE#01

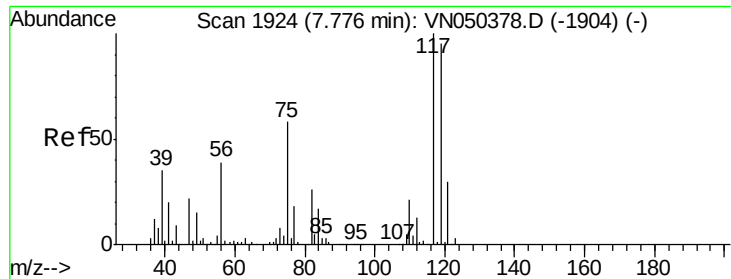
Tot Ion:113 Resp: 444642
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.7 121.1
 192 22.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050520.D
 Acq: 10 Aug 2018 16:11

Tgt Ion: 75 Resp: 48043
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 25.3 37.9#

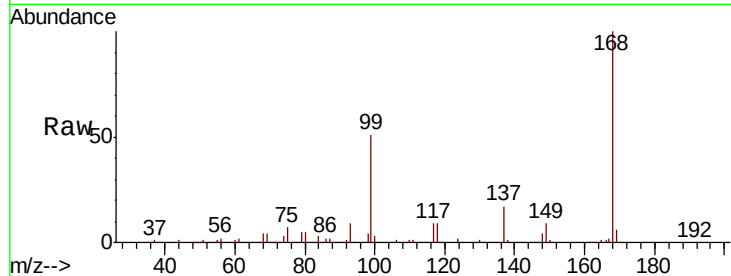




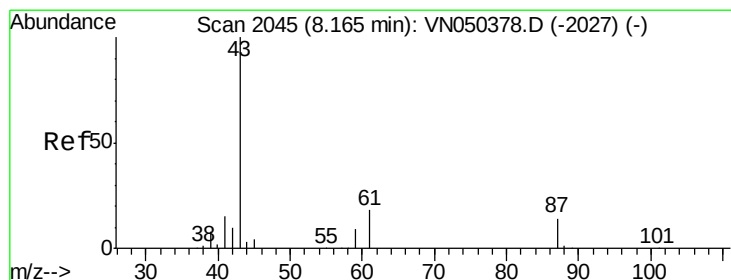
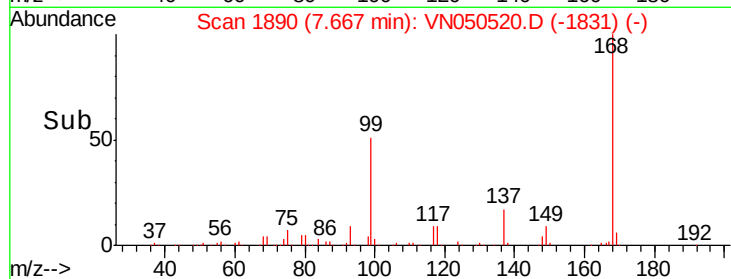
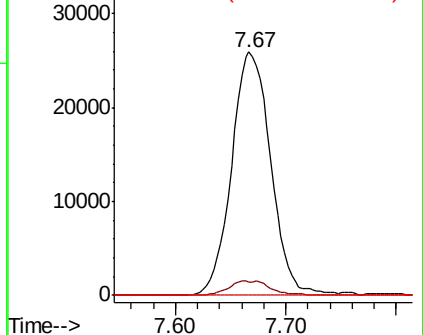
#38
Carbon Tetrachloride
Concen: 4.77 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#01

Tot Ion:117 Resp: 63801
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 23.9 35.9#

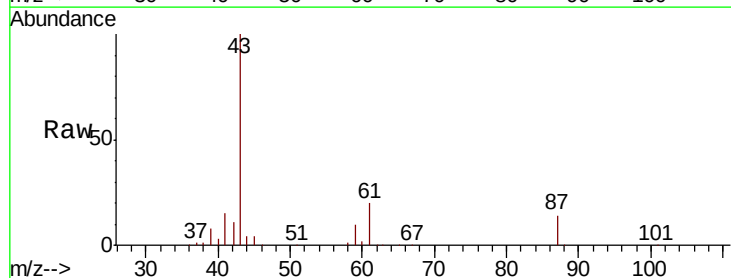


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

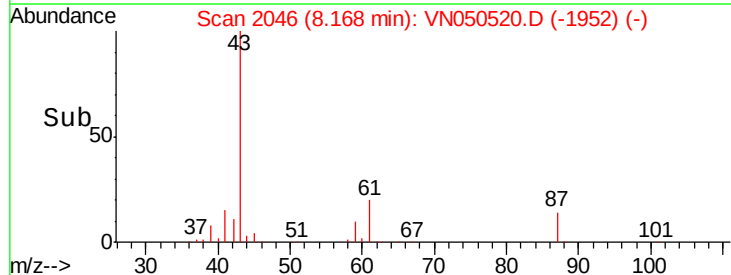
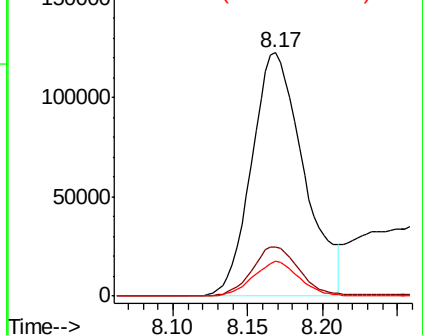


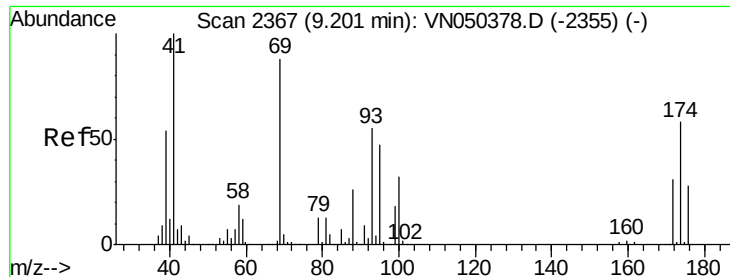
#43
Isopropyl Acetate
Concen: 18.63 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Tgt Ion: 43 Resp: 296779
Ion Ratio Lower Upper
43 100
61 18.4 15.8 23.6
87 12.7 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

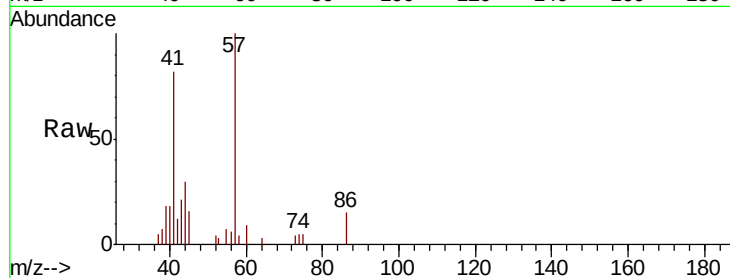




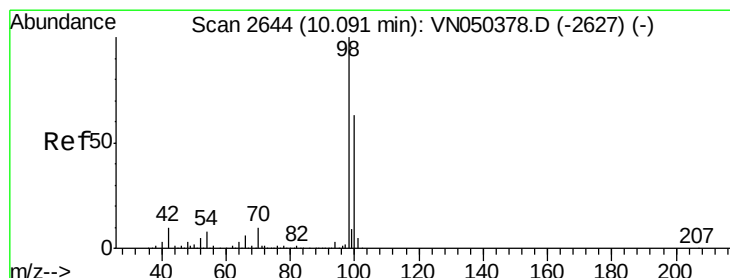
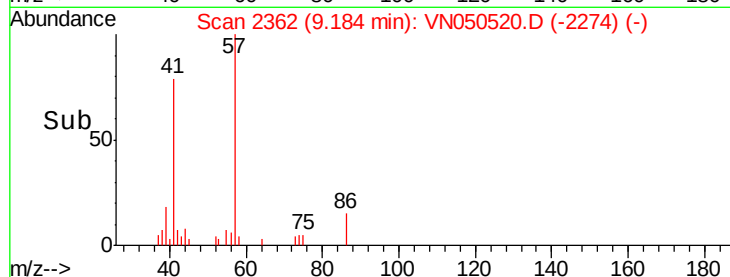
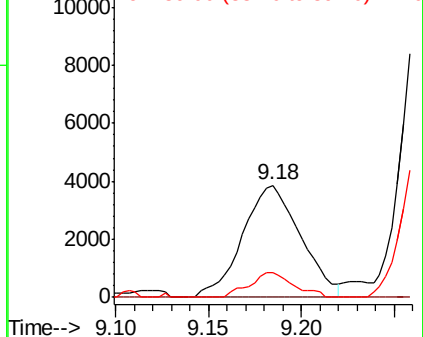
#48
Methvl methacrylate
Concen: 1.06 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#01

Tot Ion: 41 Resp: 8423
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 16.8 43.9 65.9#

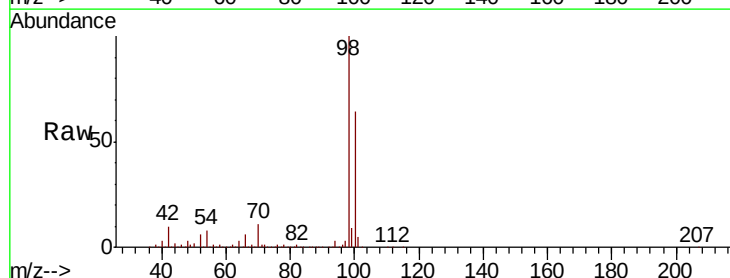


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

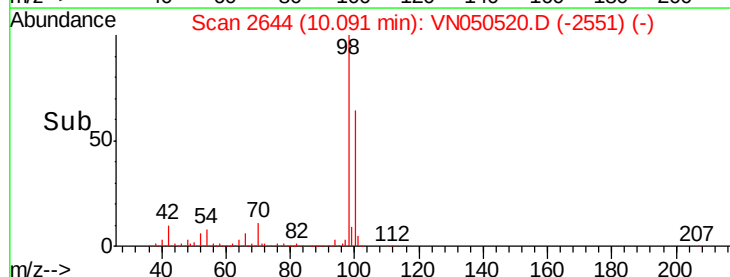
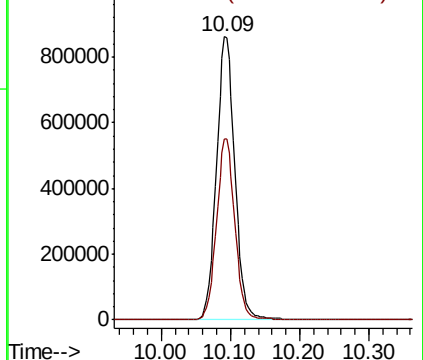


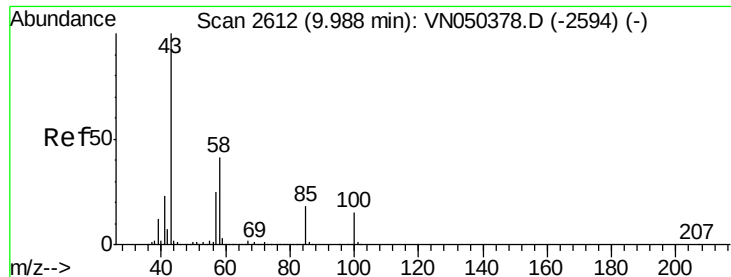
#50
Toluene-d8
Concen: 44.98 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Tgt Ion: 98 Resp: 1582291
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

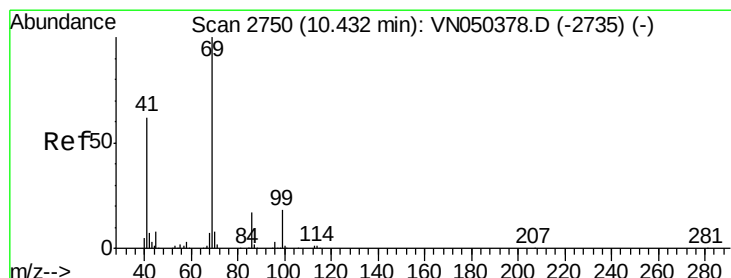
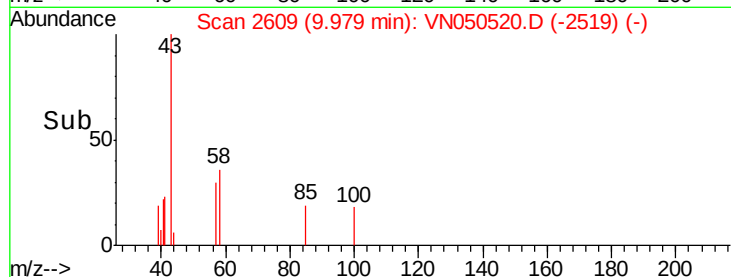
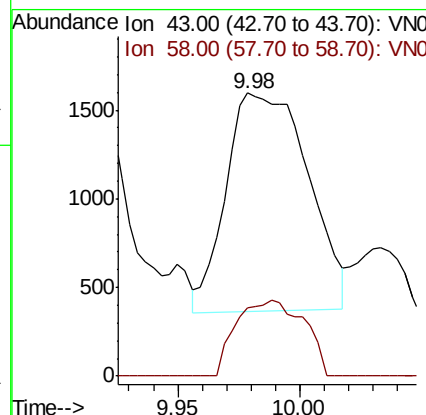
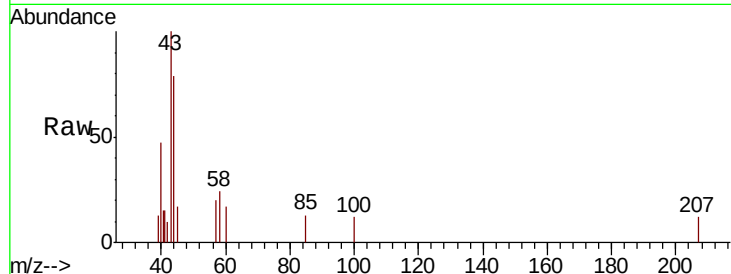




#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 9.98 min Scan# 2609
Delta R.T. -0.01 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

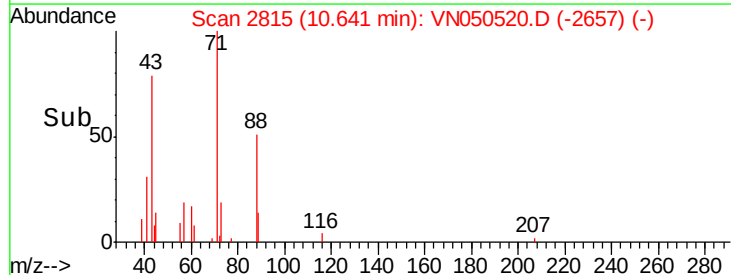
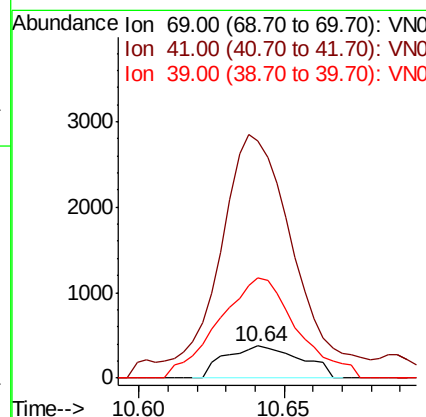
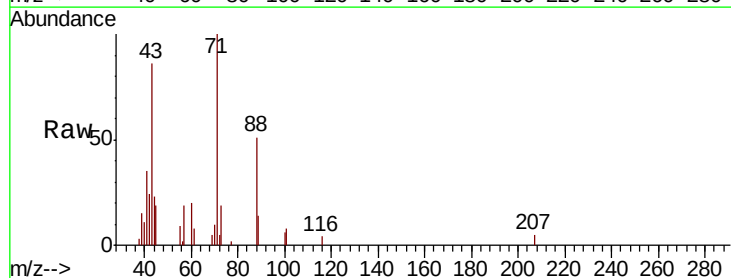
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#01

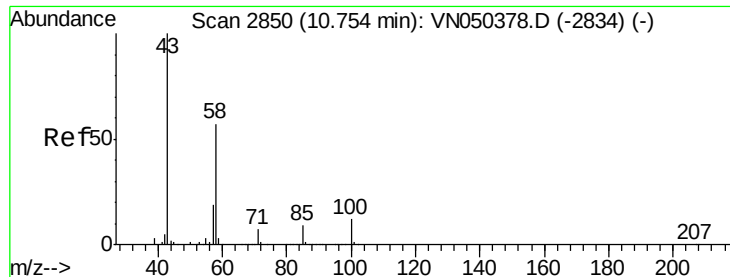
Tot Ion: 43 Resp: 2871
Ion Ratio Lower Upper
43 100
58 28.8 31.9 47.9#



#56
Ethyl methacrylate
Concen: 1.76 ug/l
RT: 10.64 min Scan# 2815
Delta R.T. 0.21 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Tgt Ion: 69 Resp: 680
Ion Ratio Lower Upper
69 100
41 762.6 51.0 76.4#
39 324.1 26.6 40.0#





#59

2-Hexanone

Concen: 2.66 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

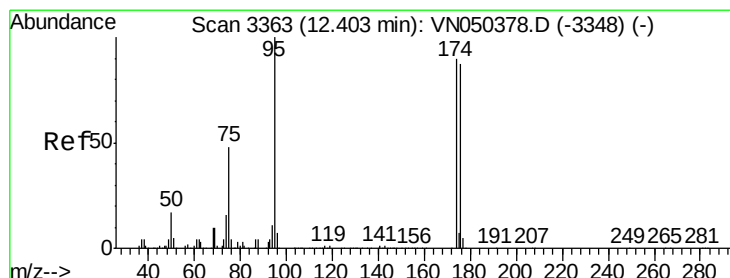
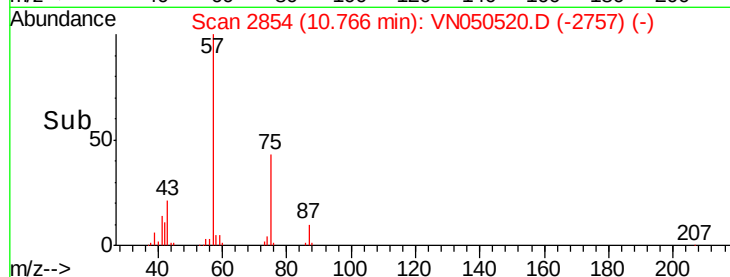
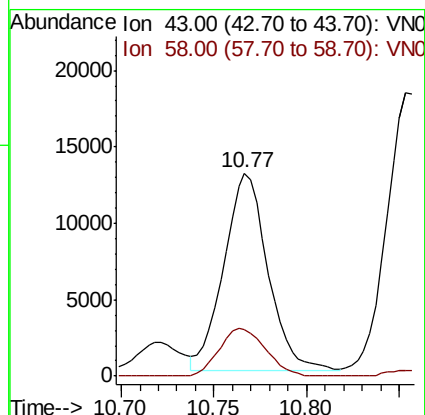
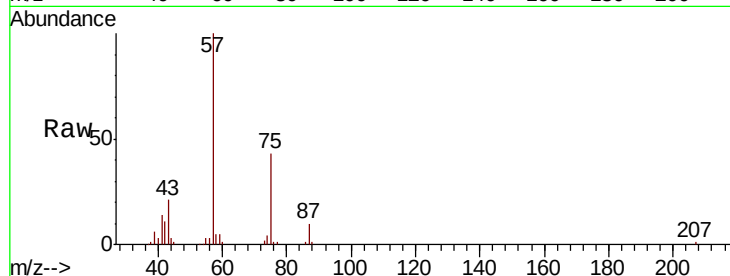
PB111921ZHE#01

Tot Ion: 43 Resp: 21300

Ion Ratio Lower Upper

43 100

58 25.3 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 38.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

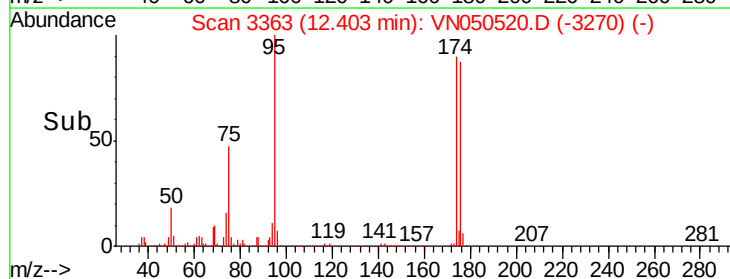
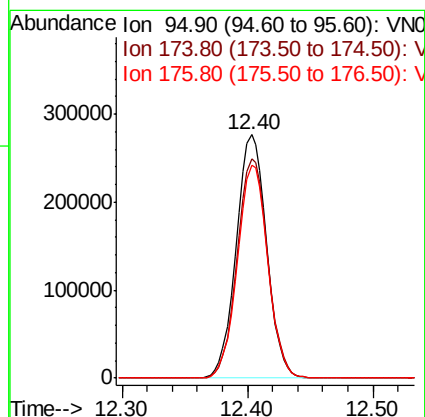
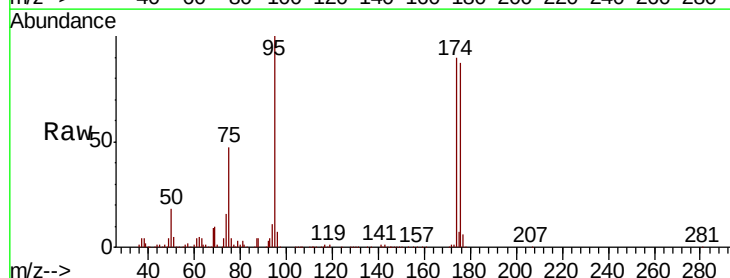
Tgt Ion: 95 Resp: 464740

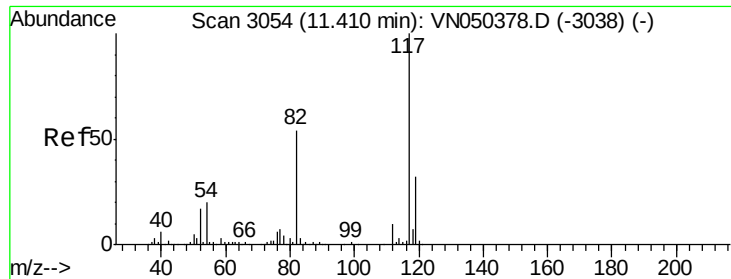
Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.2

176 87.7 0.0 173.4

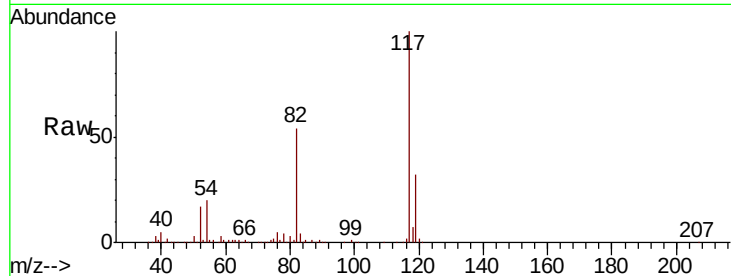




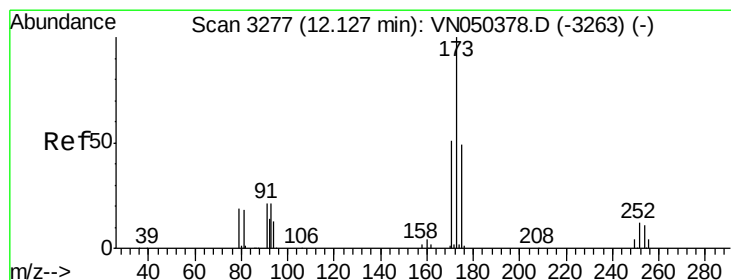
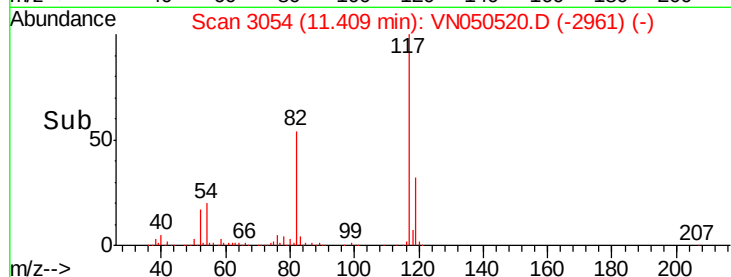
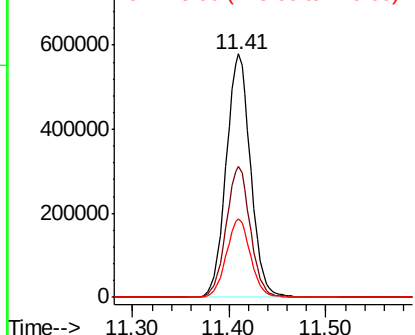
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#01

Tot Ion:117 Resp: 1011212
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.2 26.1 39.1

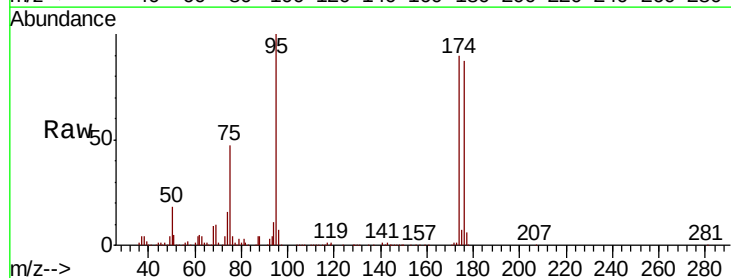


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

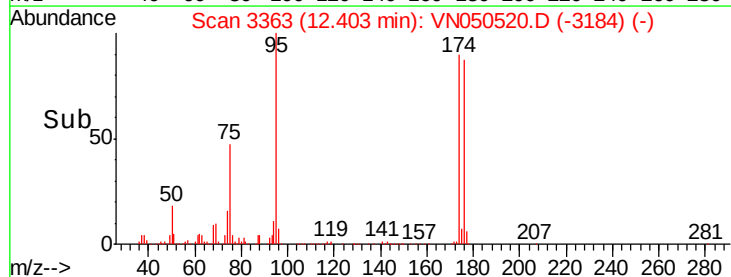
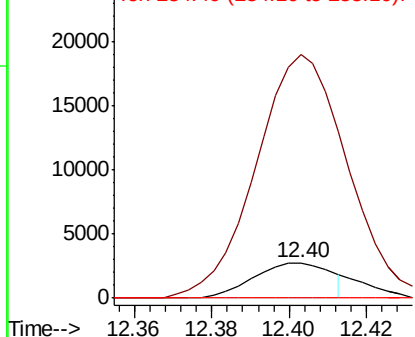


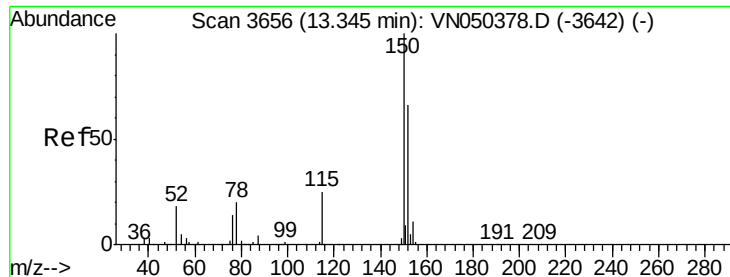
#71
Bromoform
Concen: 0.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050520.D
Acq: 10 Aug 2018 16:11

Tgt Ion:173 Resp: 3807
Ion Ratio Lower Upper
173 100
175 688.4 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: VN050520.D

Acq: 10 Aug 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#01

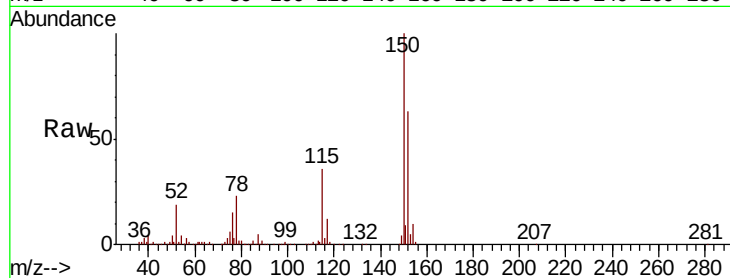
Tot Ion:152 Resp: 403618

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

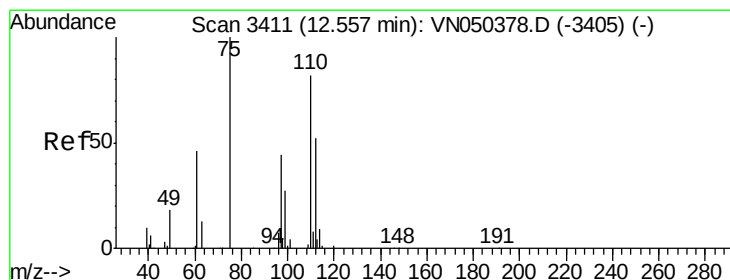
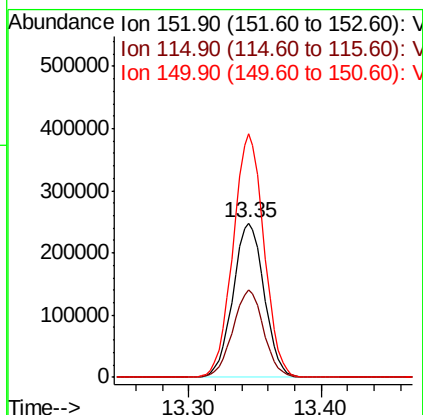
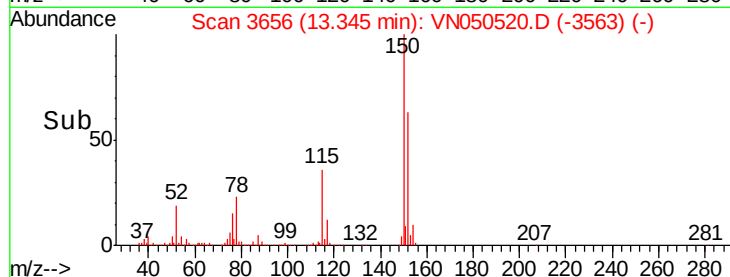
150 156.8 0.0 348.6



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: 30.18 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050520.D

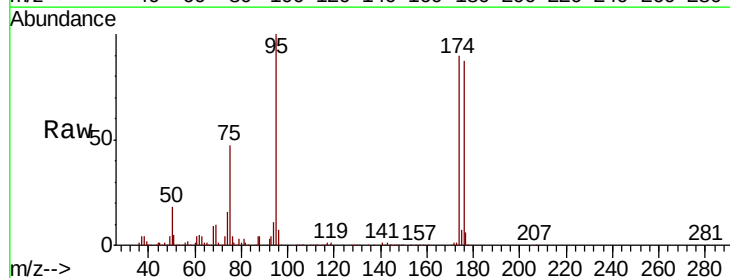
Acq: 10 Aug 2018 16:11

Tgt Ion: 75 Resp: 220519

Ion Ratio Lower Upper

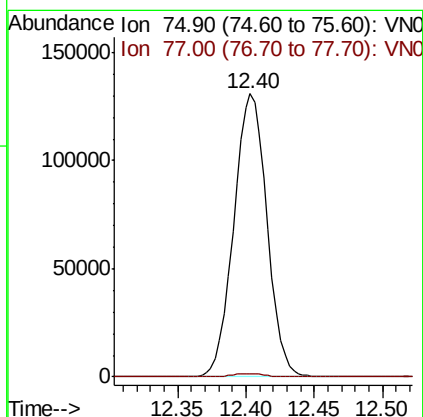
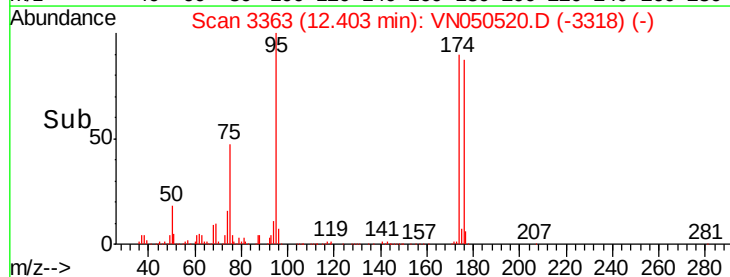
75 100

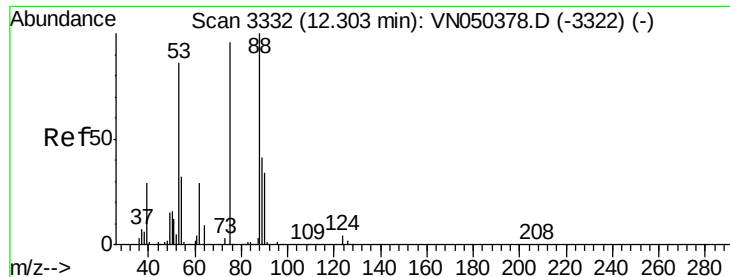
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 106.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#01

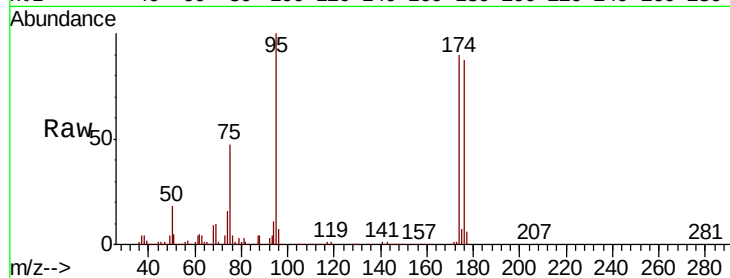
Tot Ion: 75 Resp: 220519

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

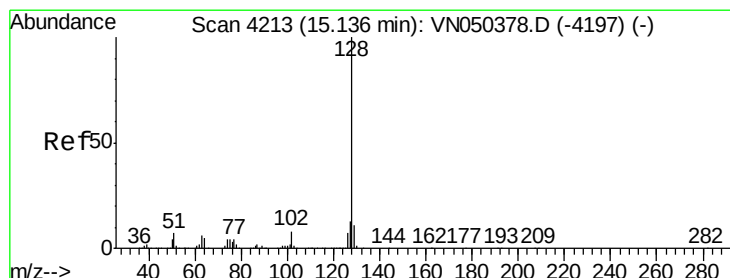
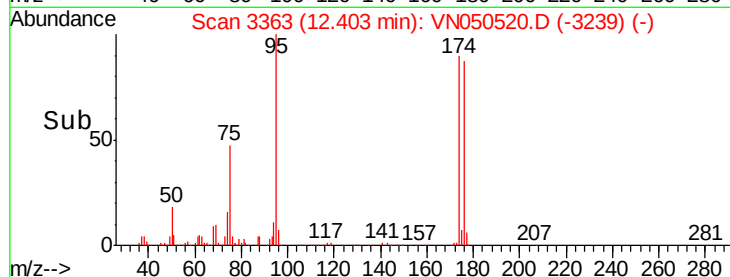
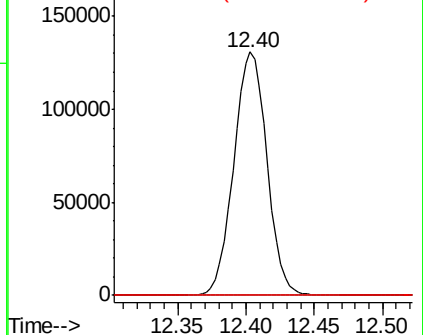
89 0.0 36.0 54.0#



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: 3.63 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050520.D

Acq: 10 Aug 2018 16:11

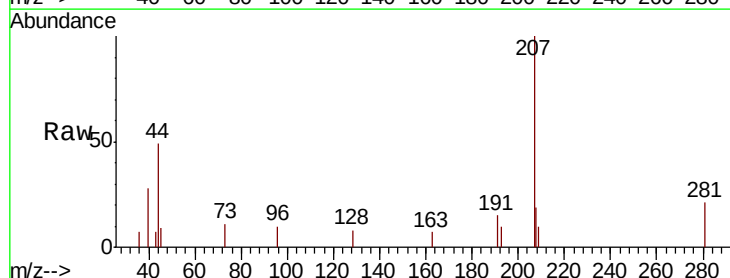
Tgt Ion: 128 Resp: 199

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

