

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050526.D
 Acq On : 10 Aug 2018 18:40
 Operator : MD\SY
 Sample : PB111921ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#05

Quant Time: Aug 10 23:18:54 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	655469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	941745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	372132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	453644	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.59	113	411676	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	10.09	98	1481394	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	
62) 4-Bromofluorobenzene	12.40	95	433494	38.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.18%	

Target Compounds

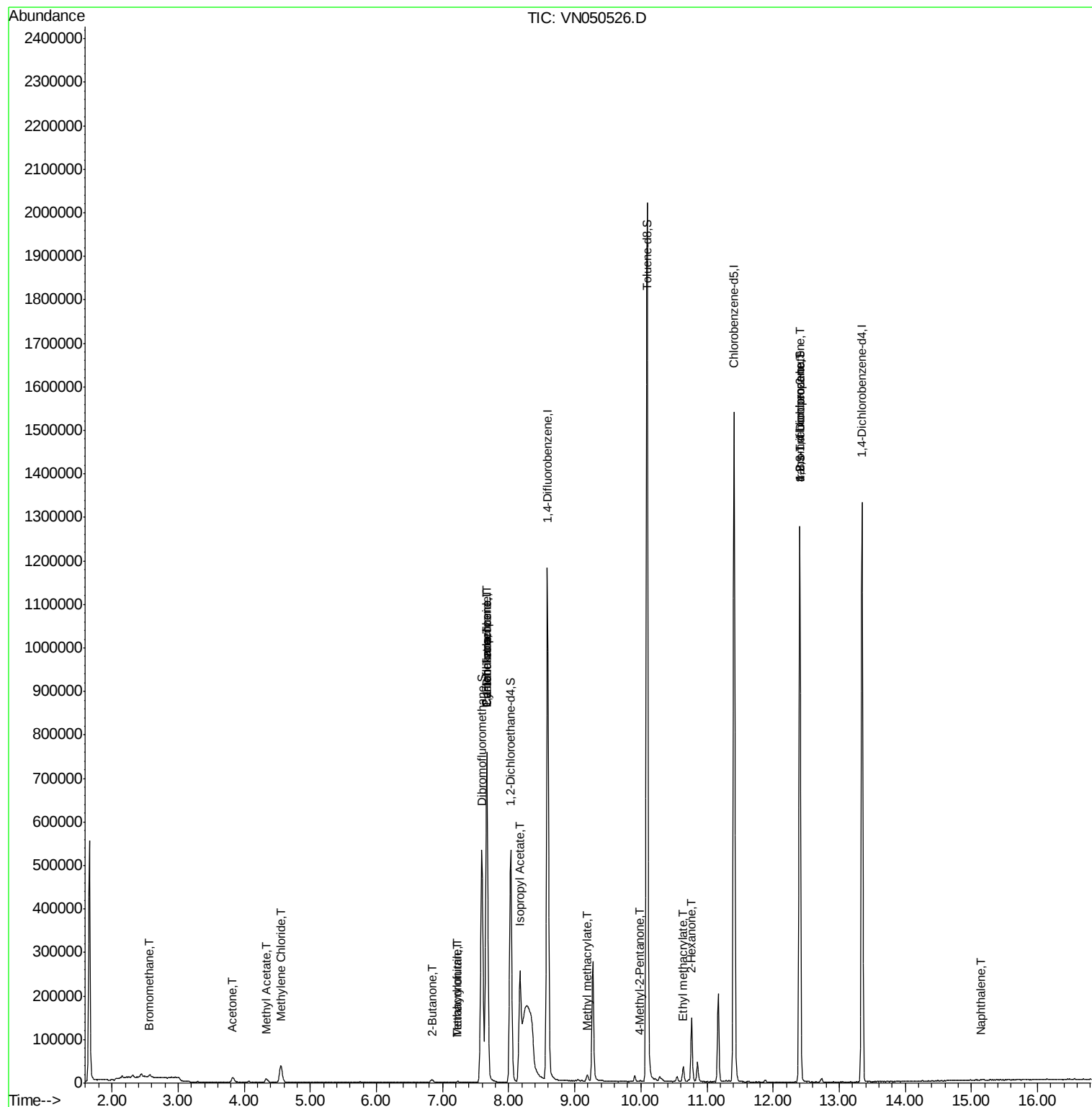
						Qvalue
3) Chloromethane	2.06	50	2625	Below Cal		89
5) Bromomethane	2.57	94	3850	1.01 ug/l		91
16) Acetone	3.82	43	20930	7.66 ug/l		96
18) Methyl Acetate	4.33	43	16148	2.19 ug/l		96
20) Methylene Chloride	4.56	84	31341	2.45 ug/l		95
25) 2-Butanone	6.86	43	4068	0.94 ug/l		94
29) Tetrahydrofuran	7.22	42	1776	0.76 ug/l	#	56
31) Cyclohexane	7.67	56	11992	0.33 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	44491	3.71 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	58053	4.64 ug/l	#	16
41) Methacrylonitrile	7.22	41	1158	0.25 ug/l	#	19
43) Isopropyl Acetate	8.17	43	319210	21.39 ug/l		94
48) Methyl methacrylate	9.18	41	9098	1.22 ug/l	#	21
51) 4-Methyl-2-Pentanone	9.99	43	2956	0.28 ug/l	#	81
56) Ethyl methacrylate	10.64	69	787	1.77 ug/l	#	1
59) 2-Hexanone	10.77	43	19715	2.63 ug/l	#	57
76) 1,2,3-Trichloropropane	12.40	75	207428	30.79 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	207428	108.20 ug/l	#	13
95) Naphthalene	15.14	128	245	3.63 ug/l	#	69

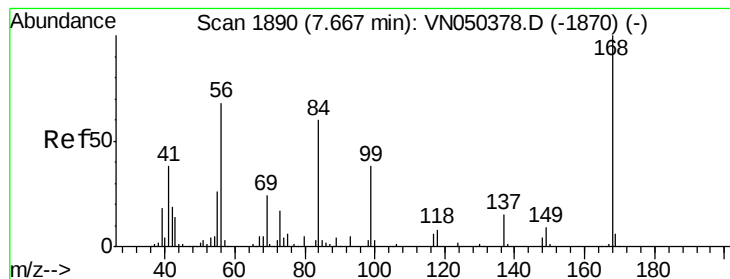
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050526.D

Acq: 10 Aug 2018 18:40

Instrument :

MSVOA_N

ClientSampleId :

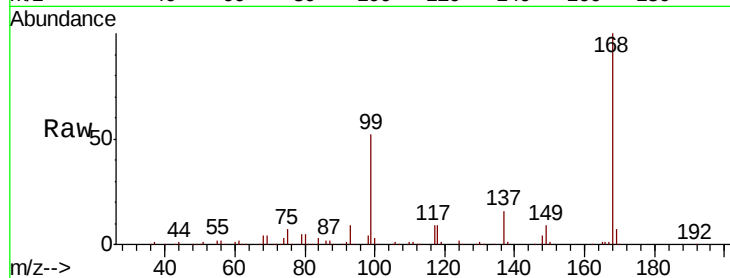
PB111921ZHE#05

Tot Ion:168 Resp: 655469

Ion Ratio Lower Upper

168 100

99 51.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

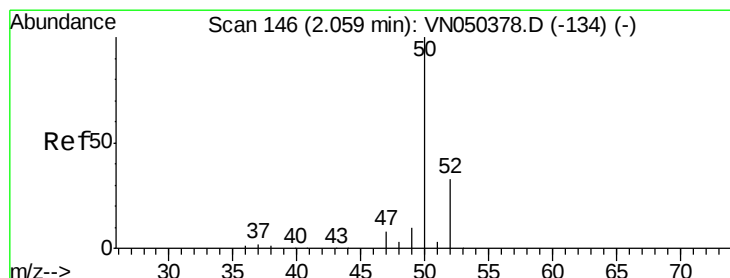
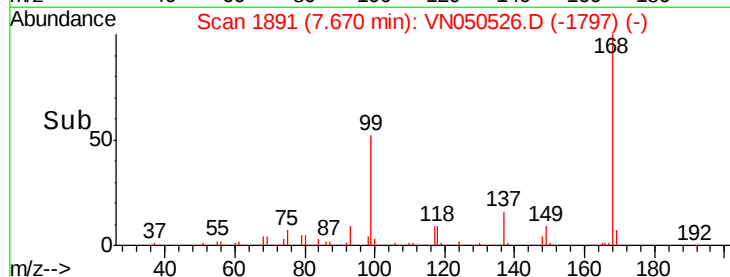
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050526.D

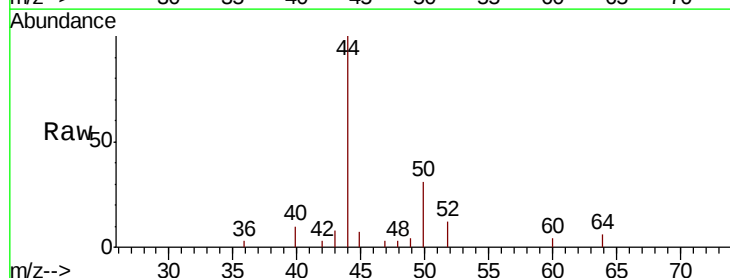
Acq: 10 Aug 2018 18:40

Tgt Ion: 50 Resp: 2625

Ion Ratio Lower Upper

50 100

52 38.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

1500

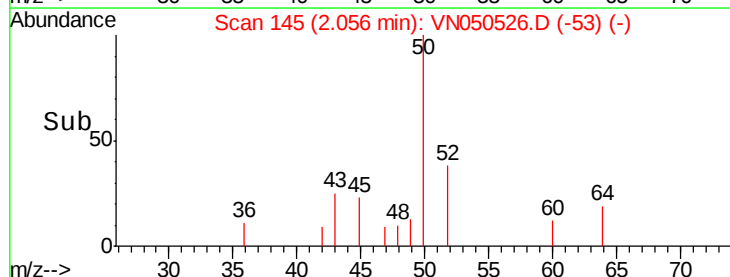
1000

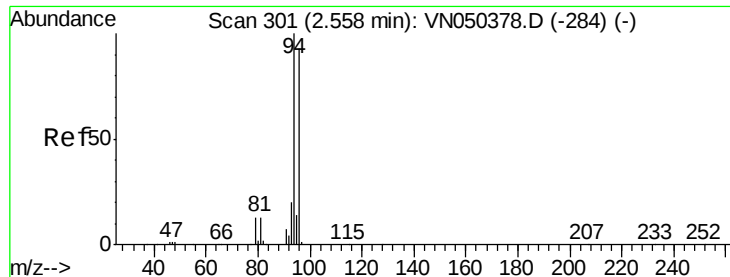
500

0

2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: 1.01 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050526.D

Acq: 10 Aug 2018 18:40

Instrument :

MSVOA_N

ClientSampleId :

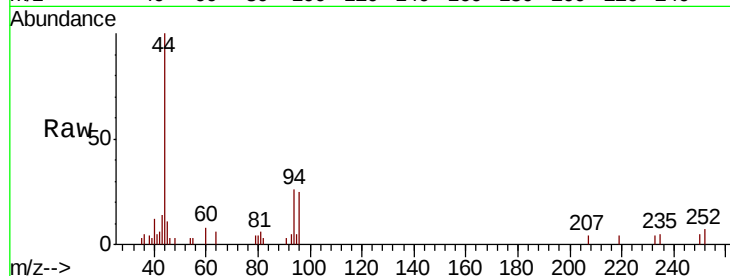
PB111921ZHE#05

Tot Ion: 94 Resp: 3850

Ion Ratio Lower Upper

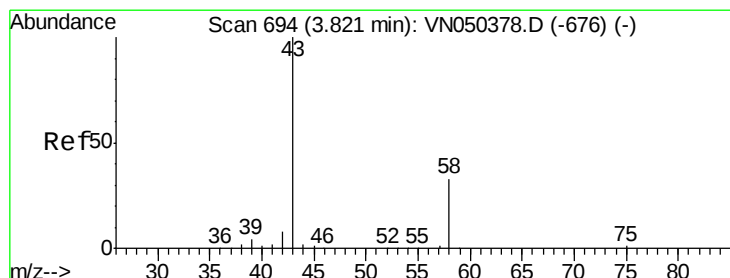
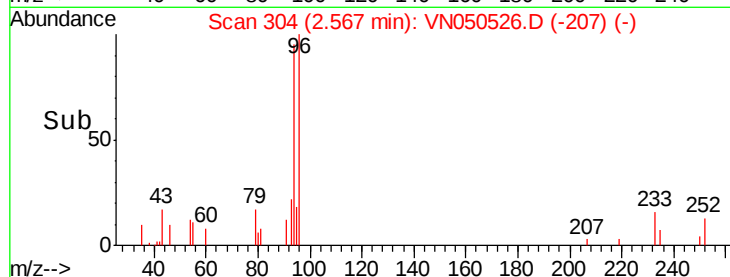
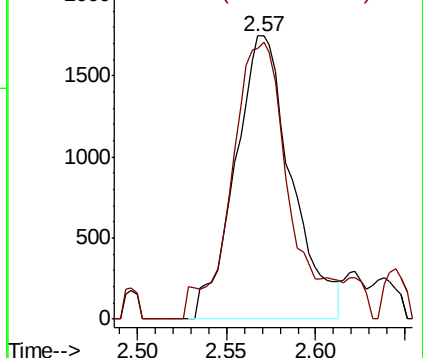
94 100

96 84.2 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: 7.66 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050526.D

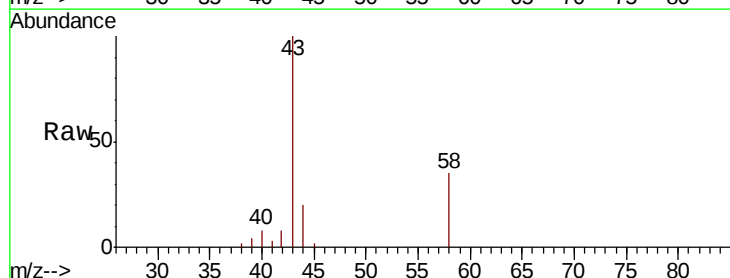
Acq: 10 Aug 2018 18:40

Tgt Ion: 43 Resp: 20930

Ion Ratio Lower Upper

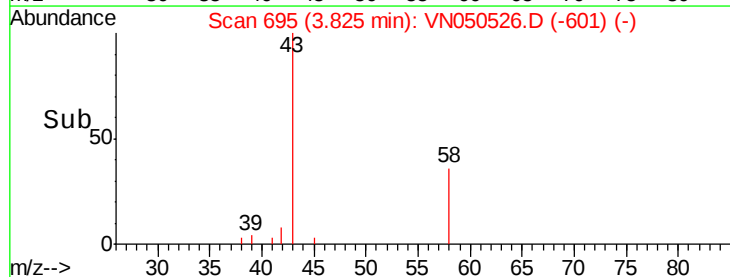
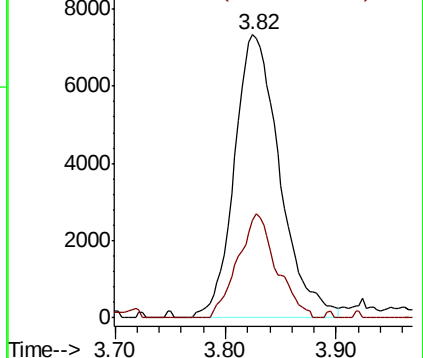
43 100

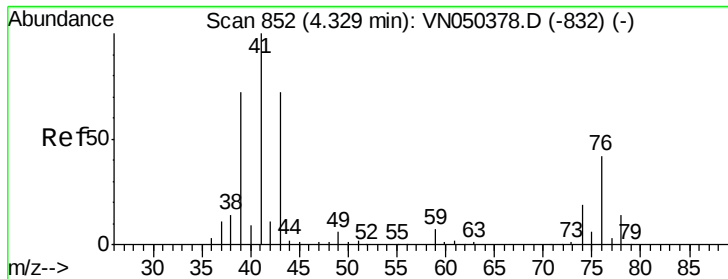
58 34.8 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

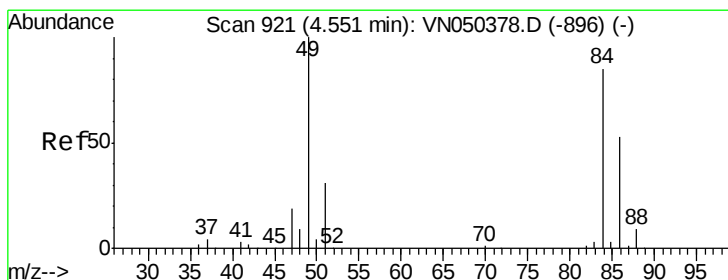
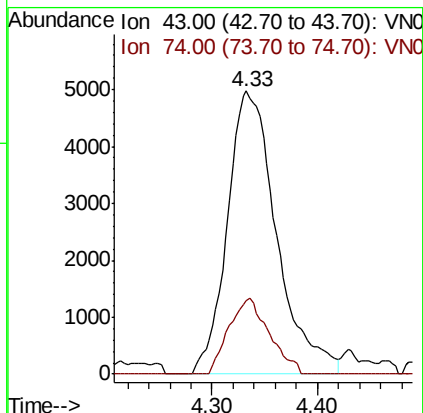
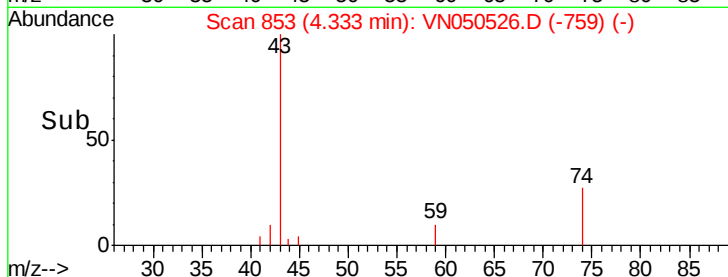
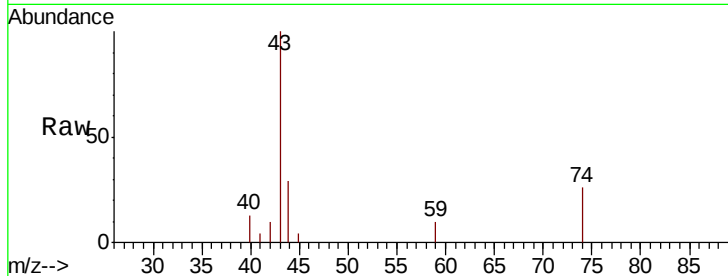




#18
Methyl Acetate
Concen: 2.19 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

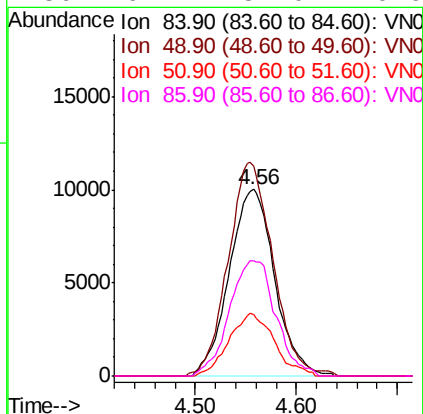
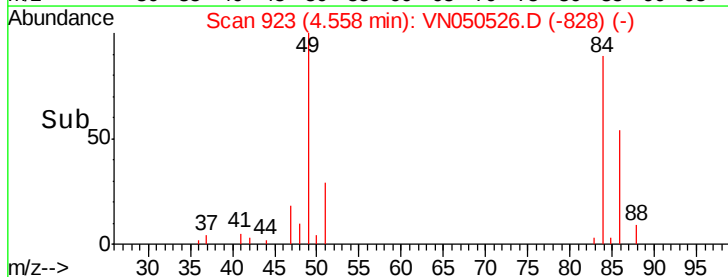
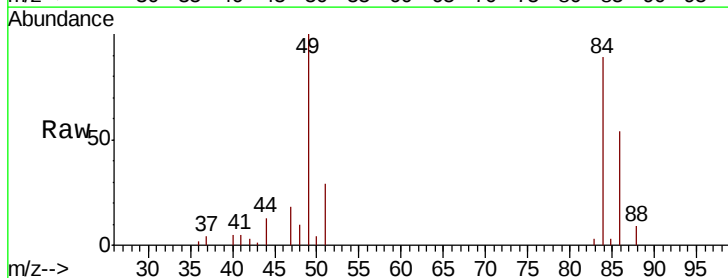
Instrument :
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ClientSampleId :
PB111921ZHE#05

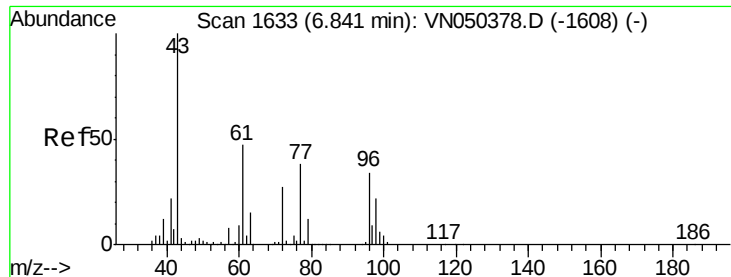
Tot Ion: 43 Resp: 16148
Ion Ratio Lower Upper
43 100
74 22.0 19.2 28.8



#20
Methylene Chloride
Concen: 2.45 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Tgt Ion: 84 Resp: 31341
Ion Ratio Lower Upper
84 100
49 112.7 94.8 142.2
51 32.8 28.3 42.5
86 61.4 51.0 76.6

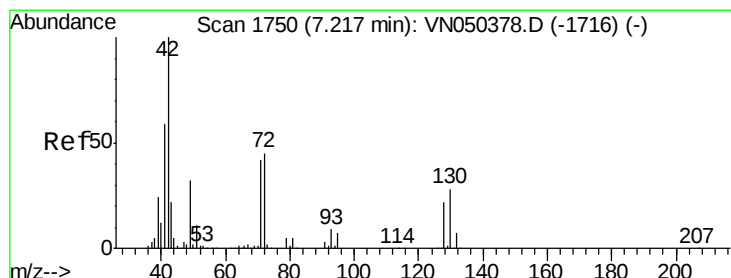
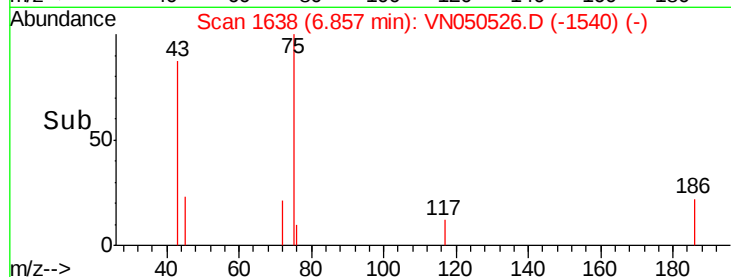
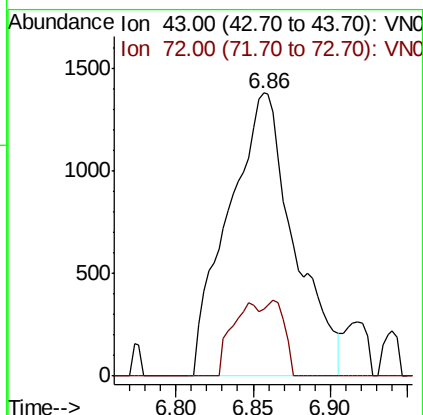
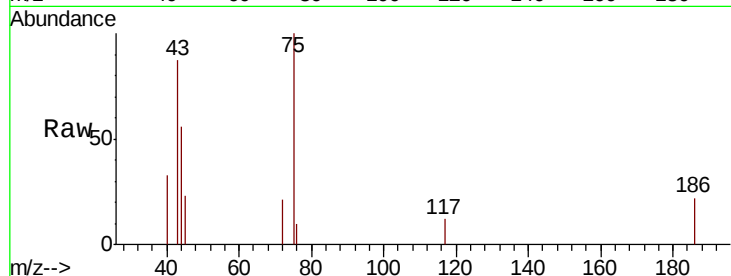




#25
2-Butanone
Concen: 0.94 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

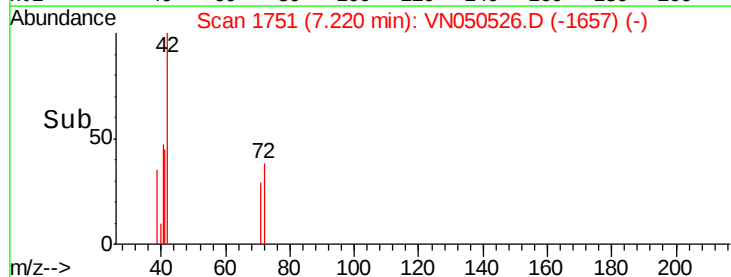
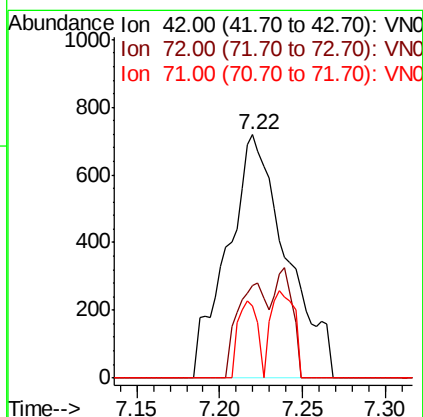
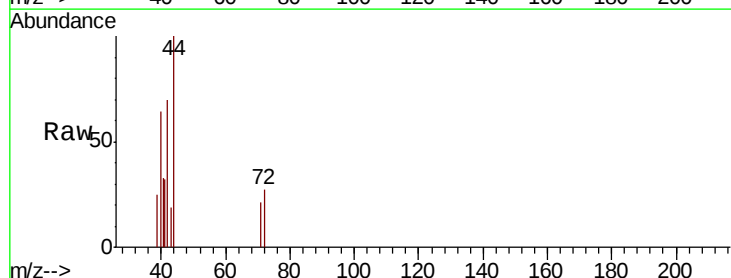
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#05

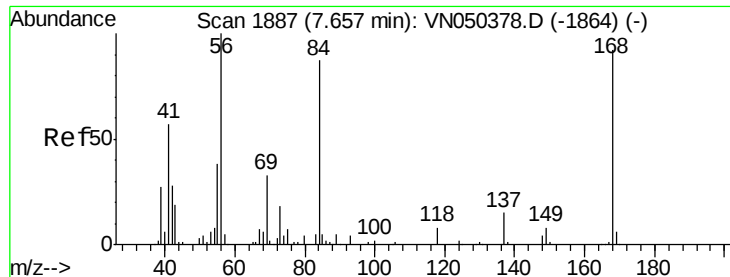
Tot Ion: 43 Resp: 4068
Ion Ratio Lower Upper
43 100
72 23.8 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.76 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Tgt Ion: 42 Resp: 1776
Ion Ratio Lower Upper
42 100
72 19.8 35.9 53.9#
71 10.5 33.7 50.5#

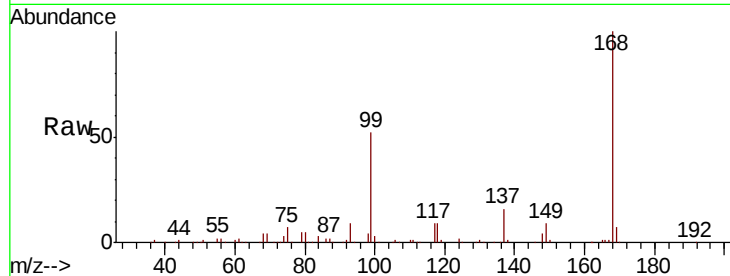




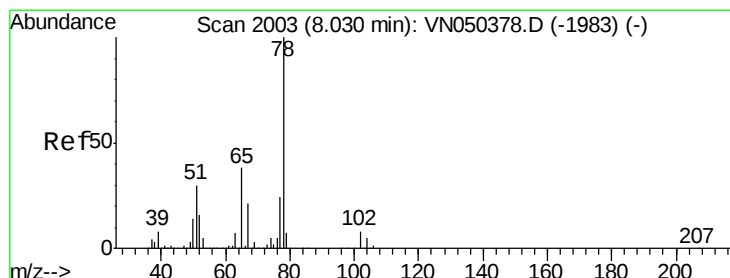
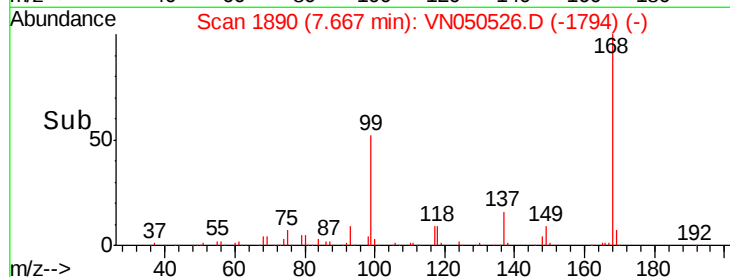
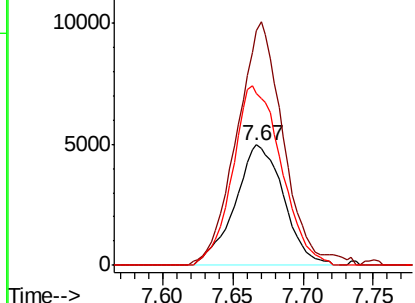
#31
Cyclohexane
Concen: 0.33 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#05

Tot Ion: 56 Resp: 11992
Ion Ratio Lower Upper
56 100
69 195.1 26.2 39.4#
84 143.0 67.4 101.0#

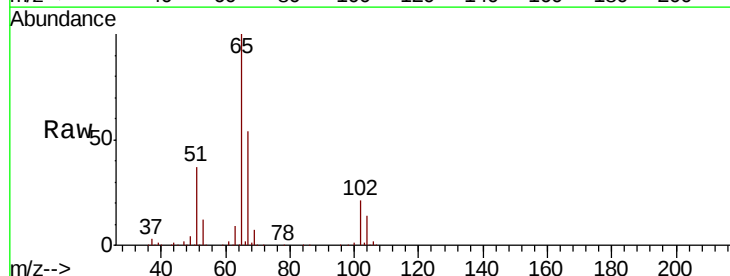


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

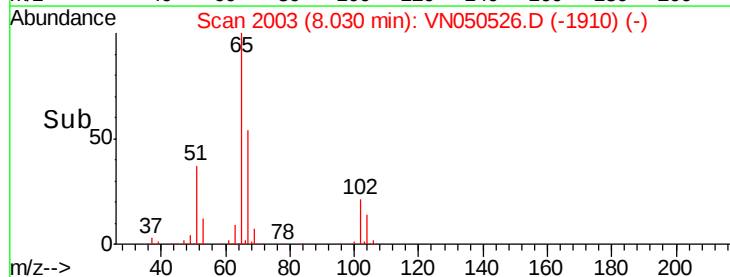
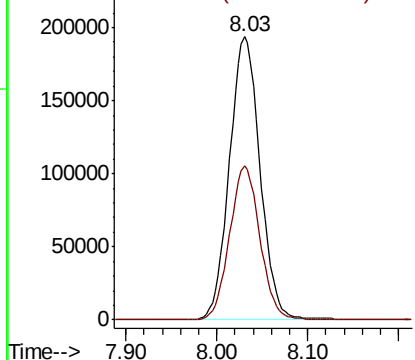


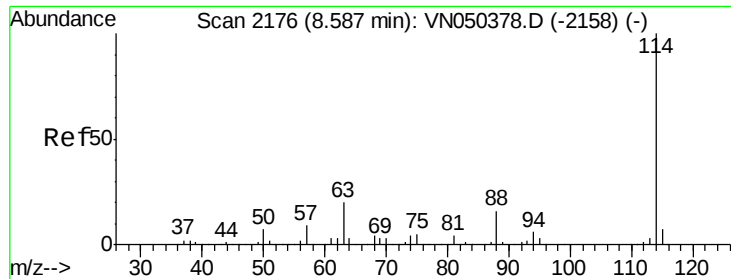
#33
1,2-Dichloroethane-d4
Concen: 51.80 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Tgt Ion: 65 Resp: 453644
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

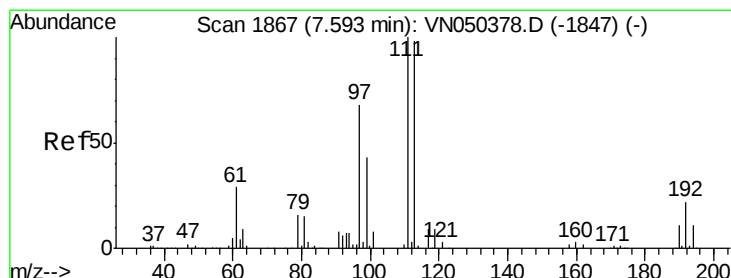
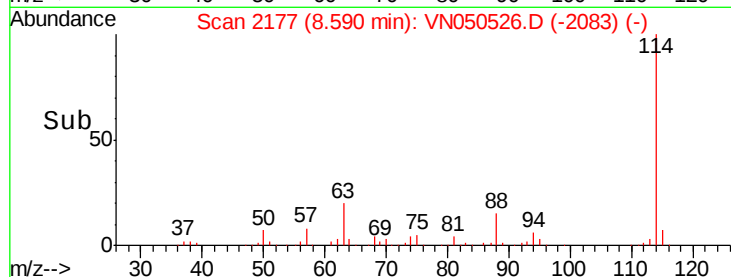
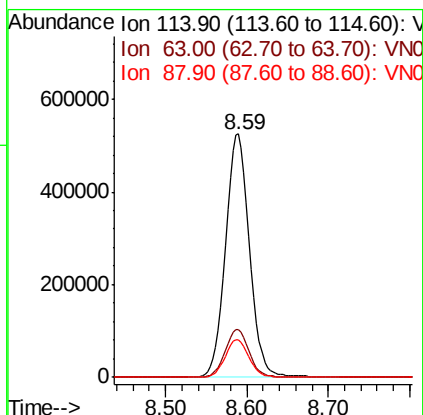
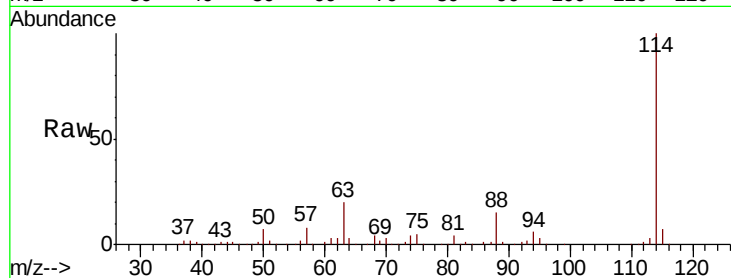




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050526.D
 Acq: 10 Aug 2018 18:40

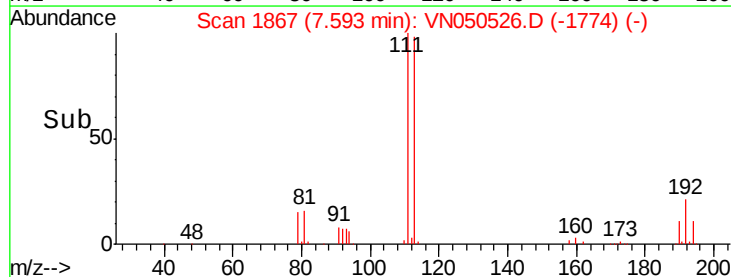
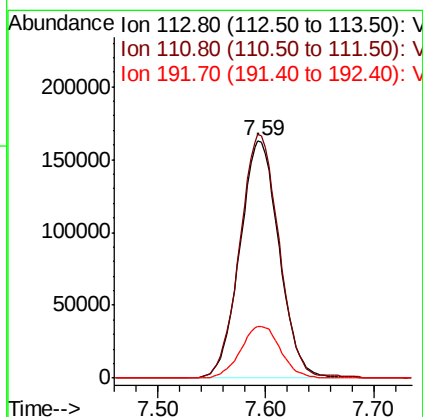
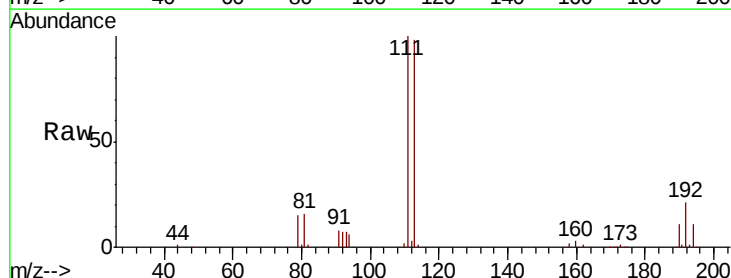
Instrument :
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 PB111921ZHE#05

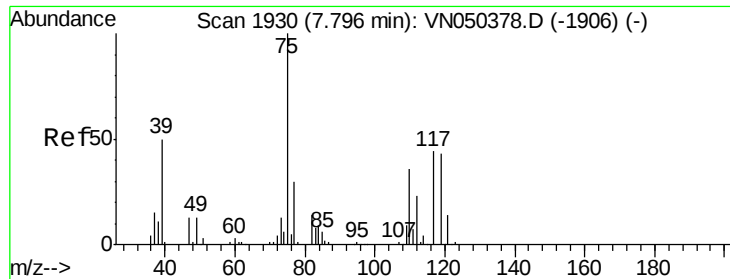
Tot Ion:114 Resp: 1092517
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 46.96 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050526.D
 Acq: 10 Aug 2018 18:40

Tgt Ion:113 Resp: 411676
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.7 121.1
 192 22.2 17.8 26.6

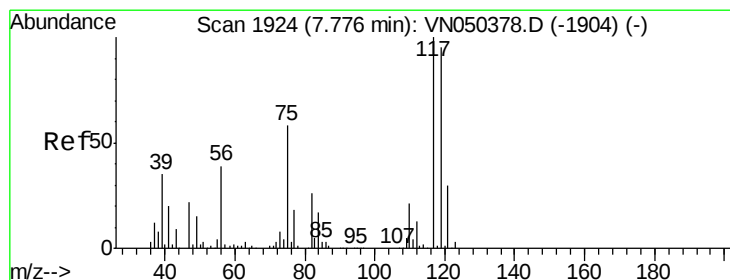
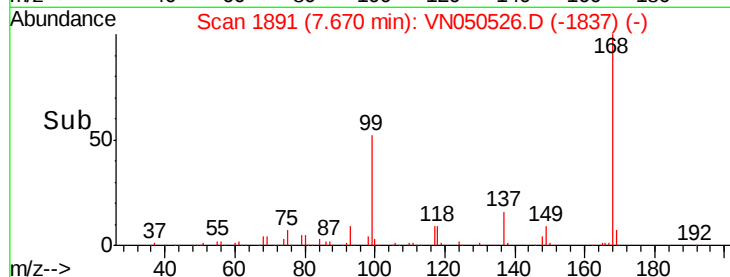
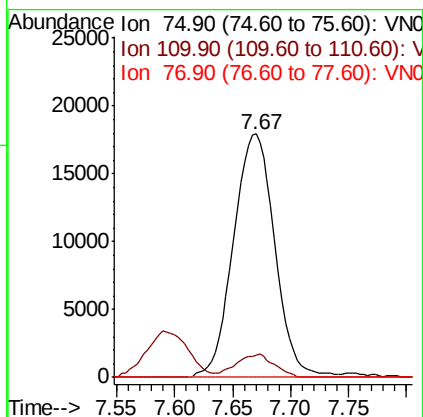
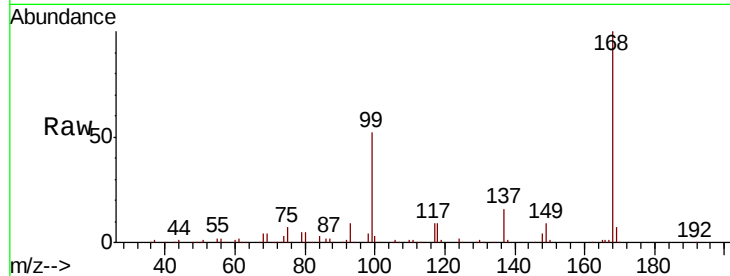




#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050526.D
 Acq: 10 Aug 2018 18:40

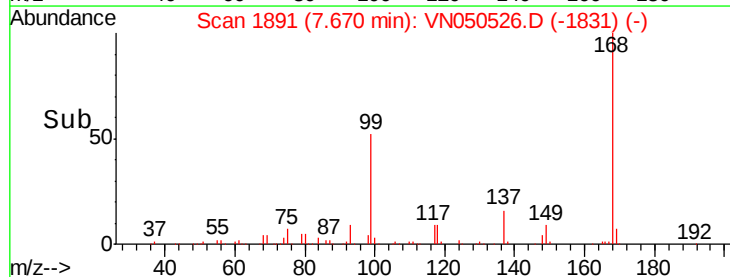
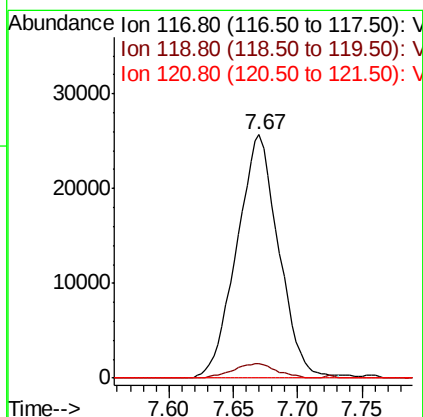
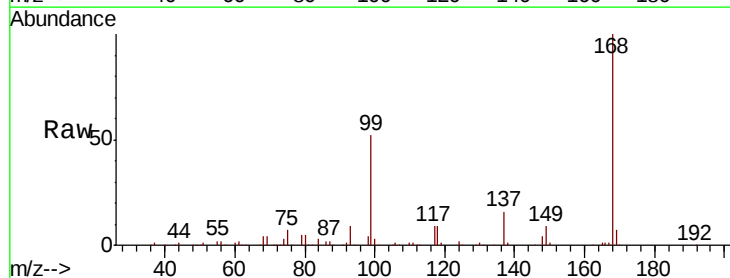
Instrument :
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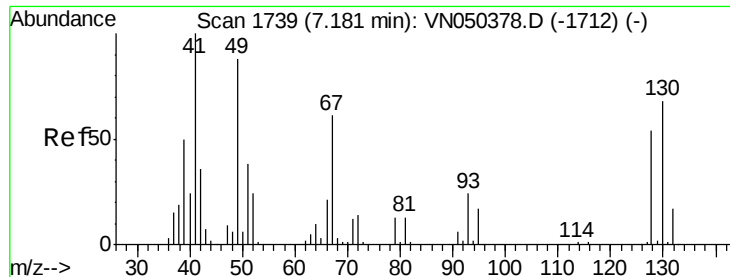
Tot Ion: 75 Resp: 44491
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.64 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050526.D
 Acq: 10 Aug 2018 18:40

Tgt Ion: 117 Resp: 58053
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.4 116.0#
 121 0.0 23.9 35.9#

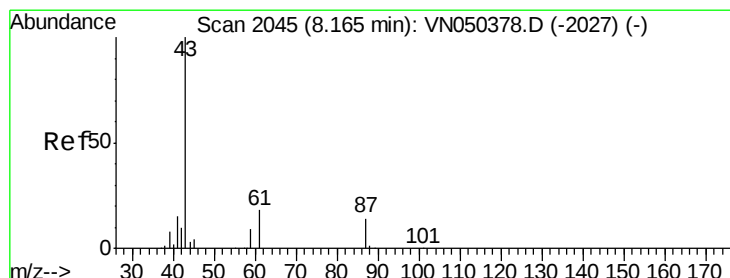
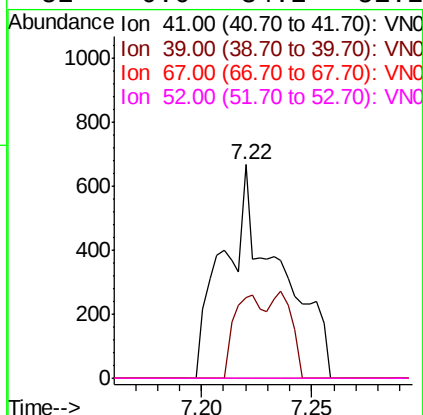
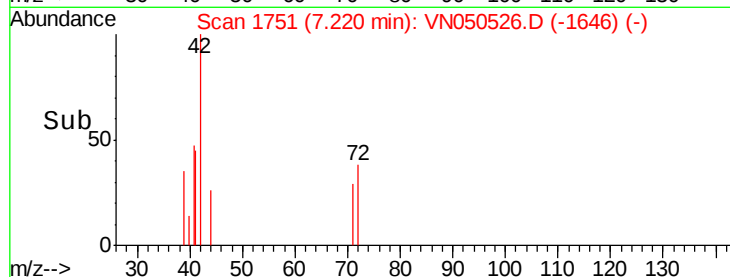
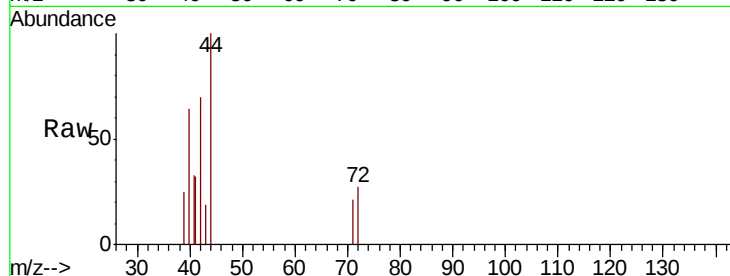




#41
Methacrylonitrile
Concen: 0.25 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

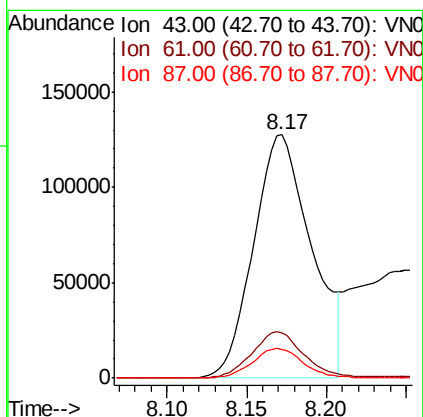
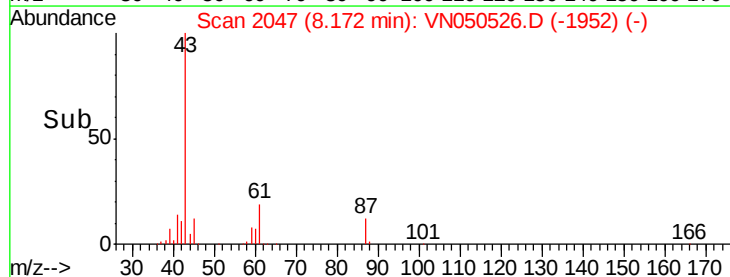
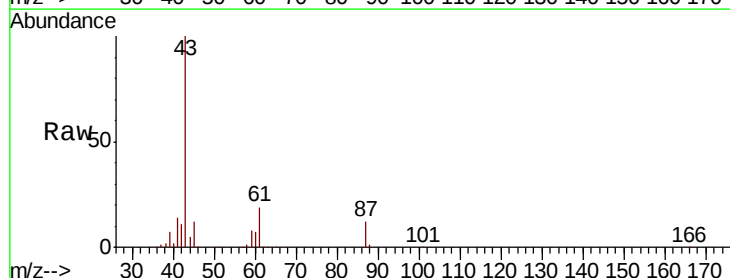
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#05

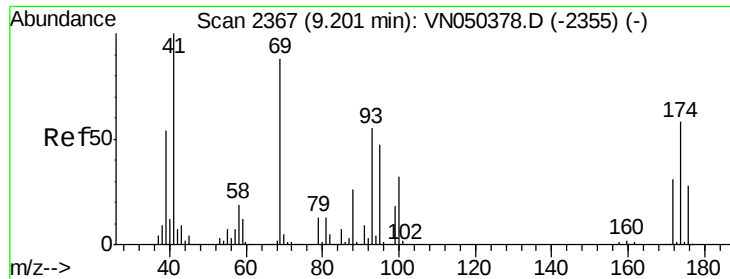
Tot Ion: 41 Resp: 1158
Ion Ratio Lower Upper
41 100
39 22.3 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 21.39 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.01 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Tgt Ion: 43 Resp: 319210
Ion Ratio Lower Upper
43 100
61 17.1 15.8 23.6
87 10.8 10.3 15.5

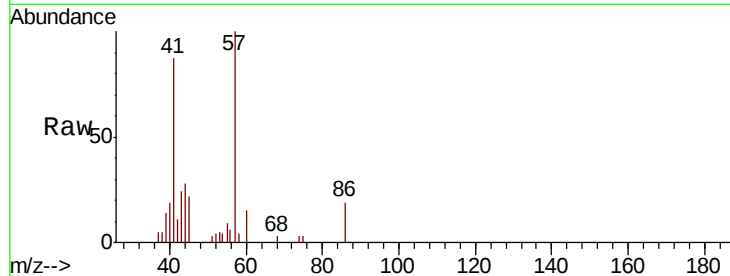




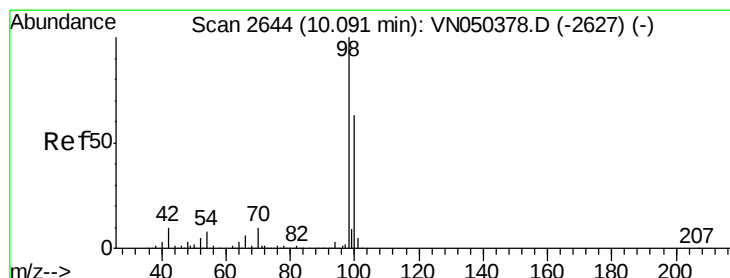
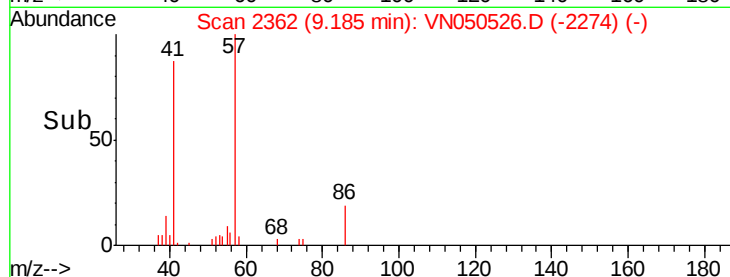
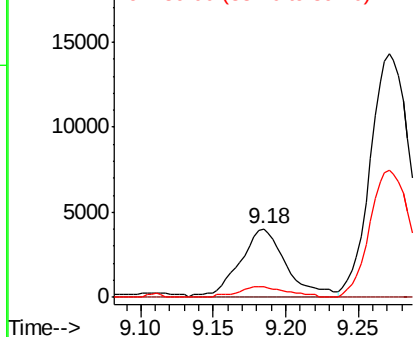
#48
Methvl methacrylate
Concen: 1.22 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#05

Tot Ion: 41 Resp: 9098
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 16.8 43.9 65.9#

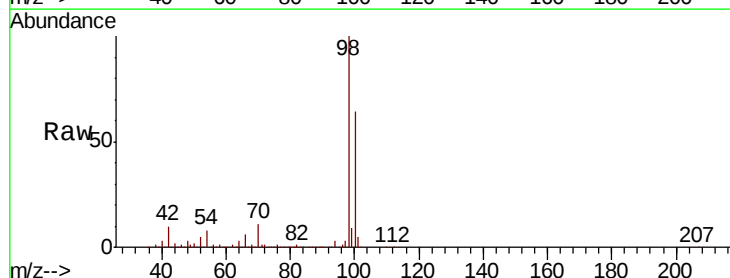


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

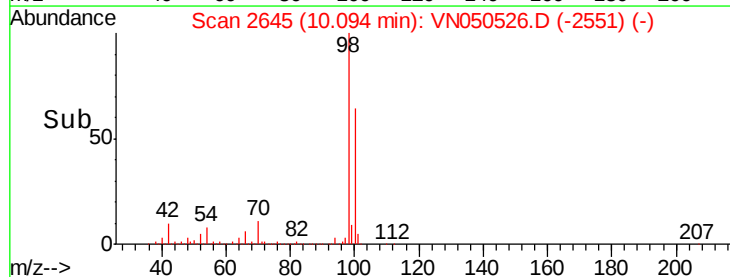
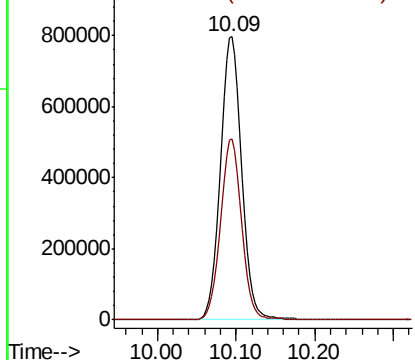


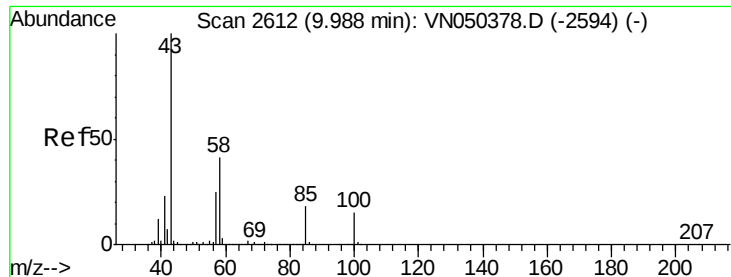
#50
Toluene-d8
Concen: 44.95 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Tgt Ion: 98 Resp: 1481394
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



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

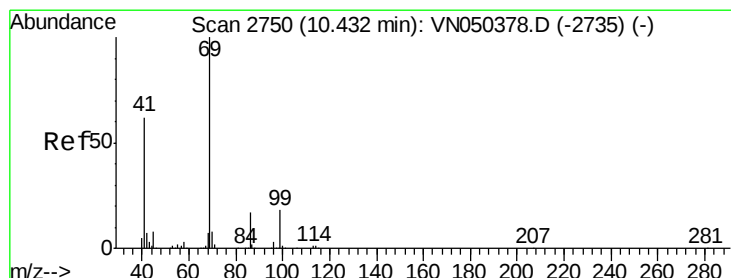
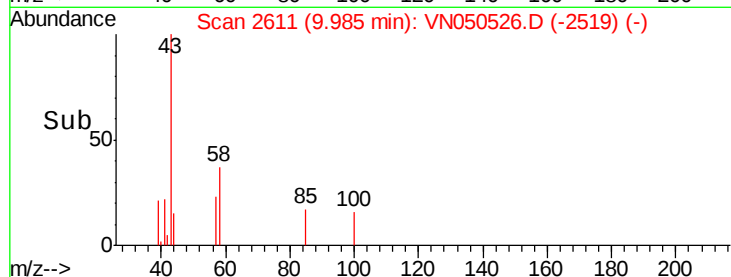
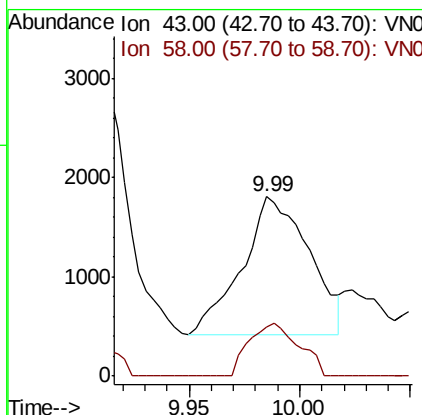
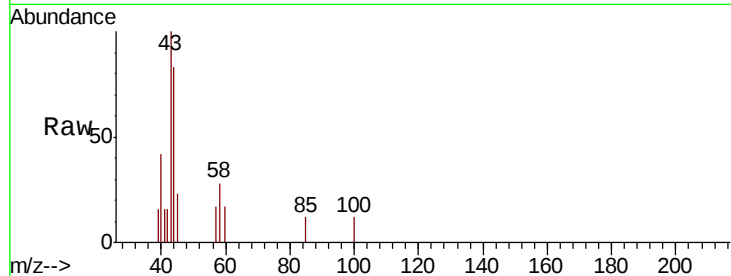




#51
 4-Methyl-2-Pentanone
 Concen: 0.28 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050526.D
 Acq: 10 Aug 2018 18:40

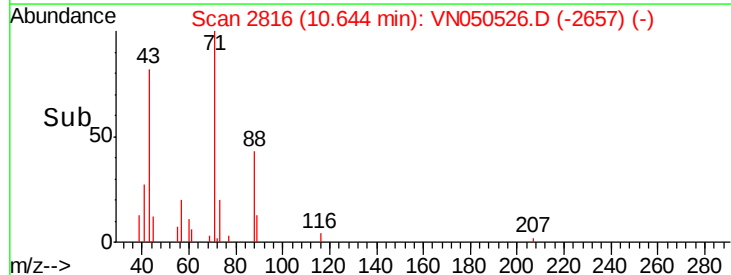
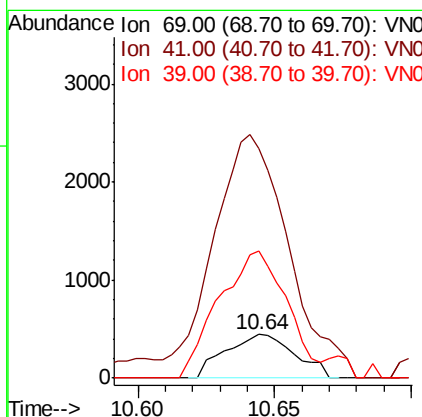
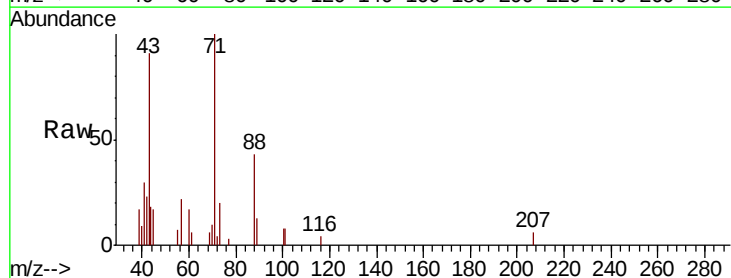
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#05

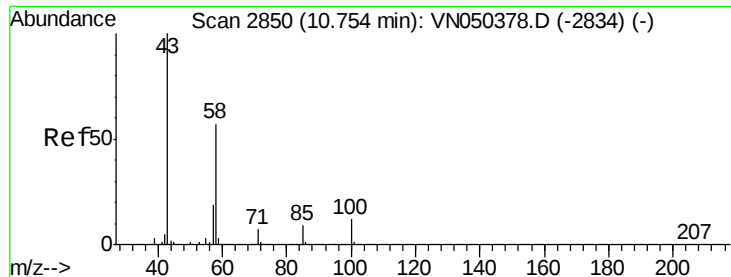
Tot Ion: 43 Resp: 2956
 Ion Ratio Lower Upper
 43 100
 58 28.2 31.9 47.9#



#56
 Ethyl methacrylate
 Concen: 1.77 ug/l
 RT: 10.64 min Scan# 2816
 Delta R.T. 0.21 min
 Lab File: VN050526.D
 Acq: 10 Aug 2018 18:40

Tgt Ion: 69 Resp: 787
 Ion Ratio Lower Upper
 69 100
 41 603.6 51.0 76.4#
 39 285.1 26.6 40.0#

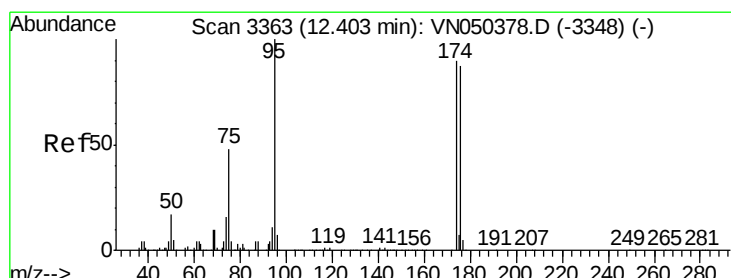
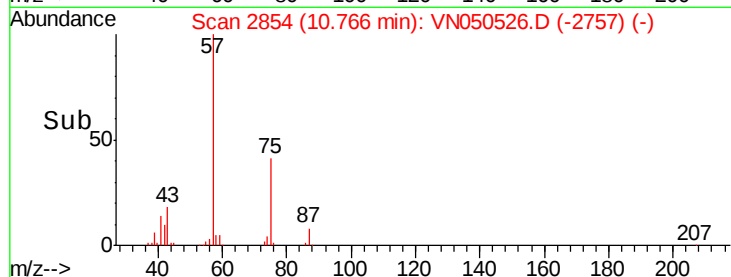
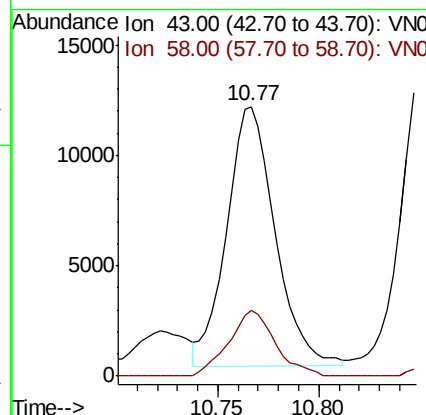
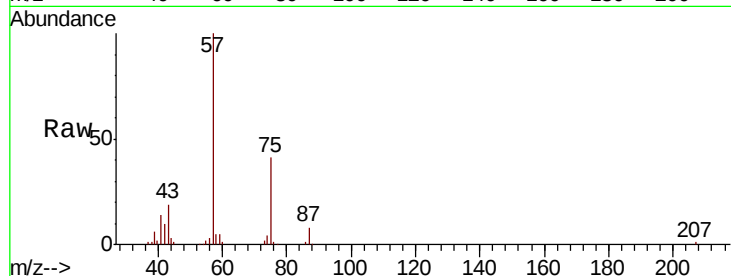




#59
2-Hexanone
Concen: 2.63 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

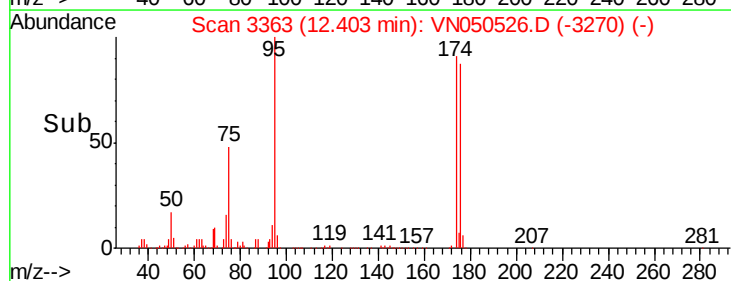
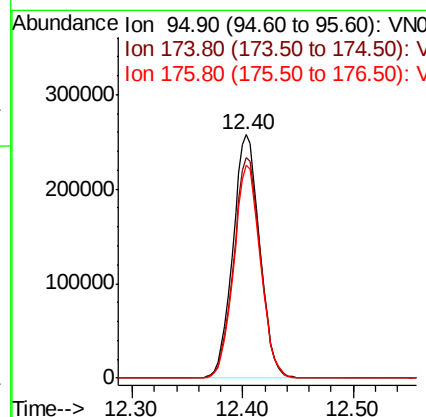
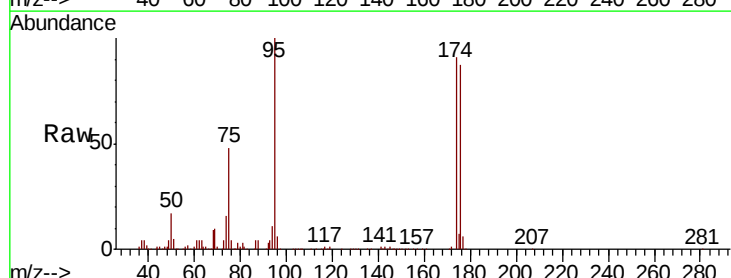
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#05

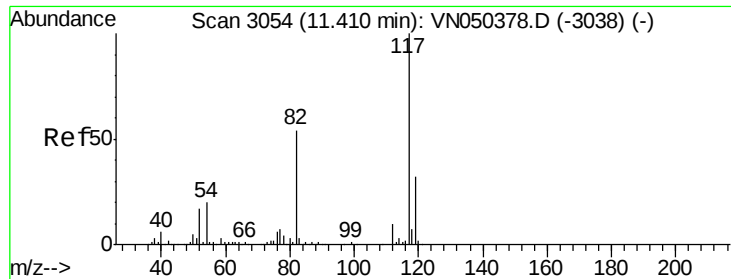
Tot Ion: 43 Resp: 19715
Ion Ratio Lower Upper
43 100
58 24.3 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 38.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Tgt Ion: 95 Resp: 433494
Ion Ratio Lower Upper
95 100
174 91.0 0.0 178.2
176 86.8 0.0 173.4

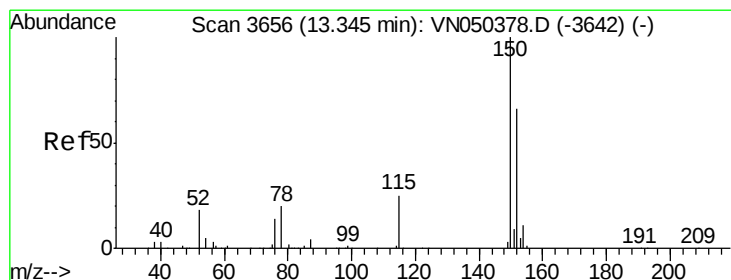
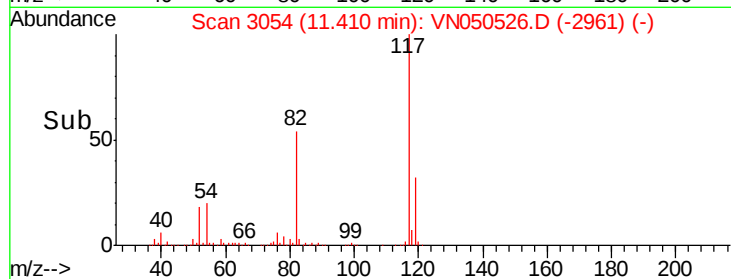
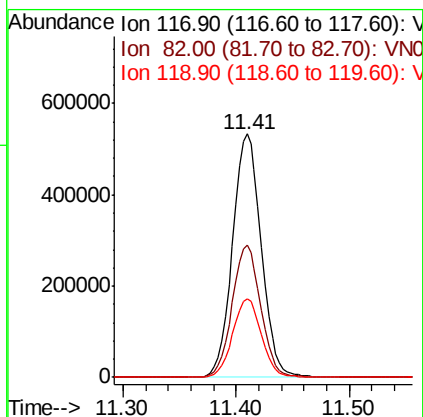
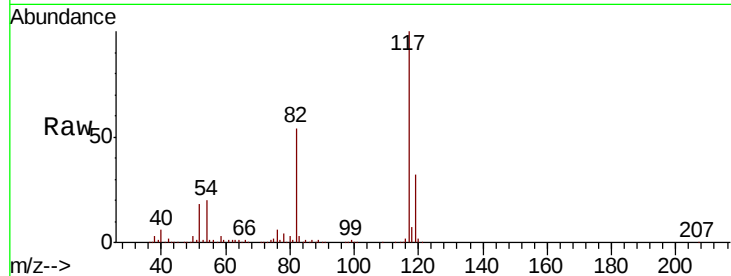




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

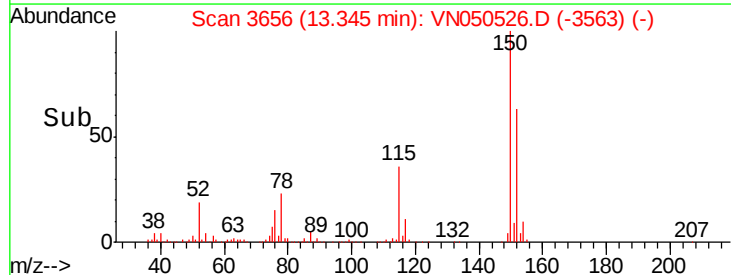
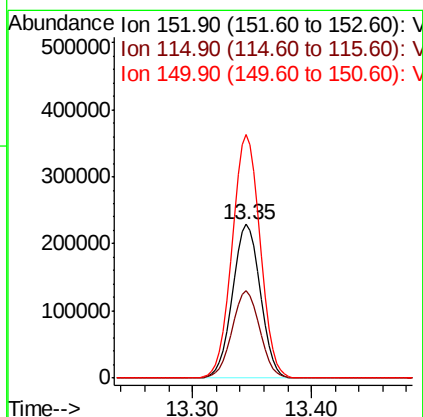
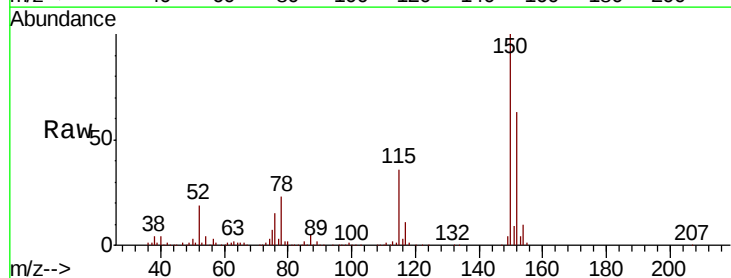
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#05

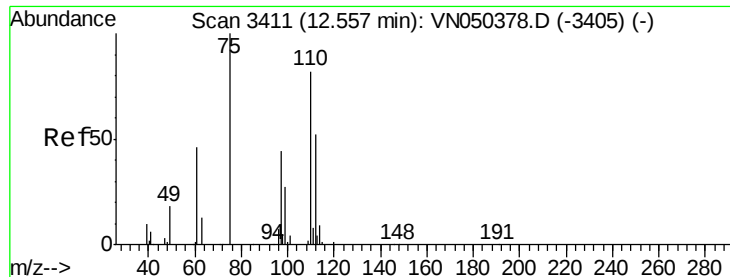
Tot Ion:117 Resp: 941745
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050526.D
Acq: 10 Aug 2018 18:40

Tgt Ion:152 Resp: 372132
Ion Ratio Lower Upper
152 100
115 56.6 27.8 83.3
150 158.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 30.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050526.D

Acq: 10 Aug 2018 18:40

Instrument :

MSVOA_N

ClientSampleId :

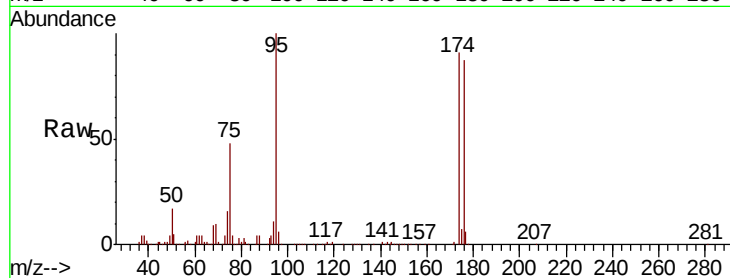
PB111921ZHE#05

Tot Ion: 75 Resp: 207428

Ion Ratio Lower Upper

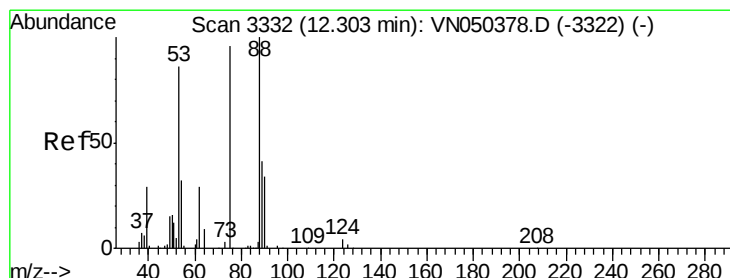
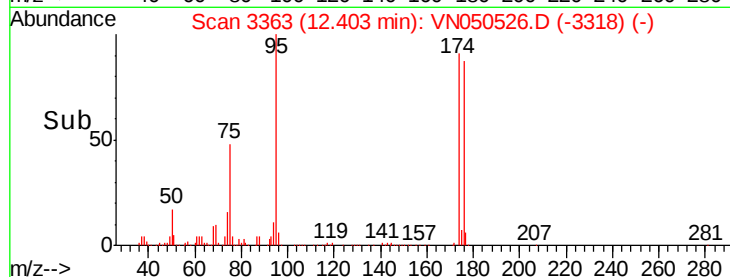
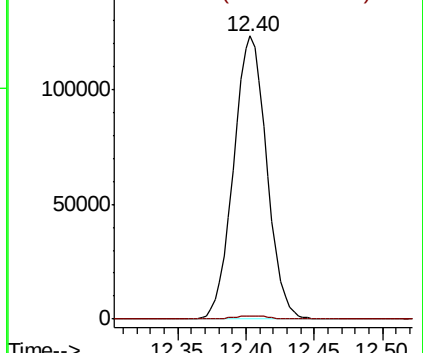
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 108.20 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050526.D

Acq: 10 Aug 2018 18:40

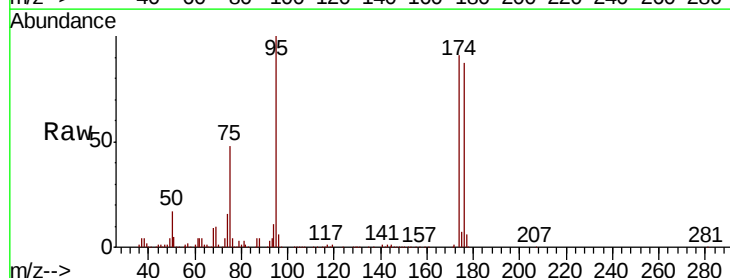
Tgt Ion: 75 Resp: 207428

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

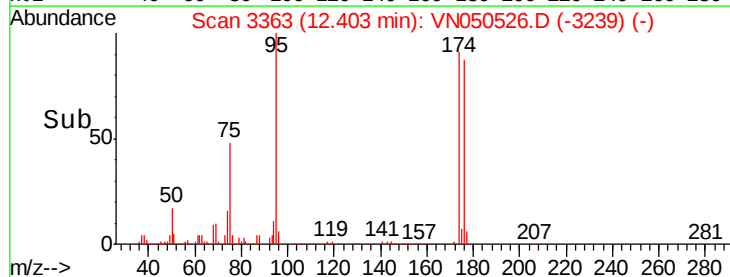
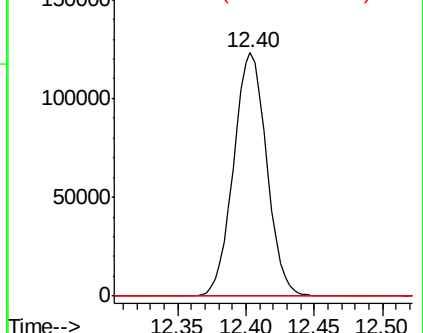
89 0.0 36.0 54.0#

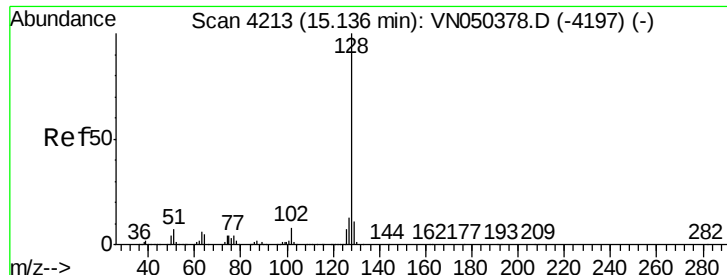


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.63 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050526.D

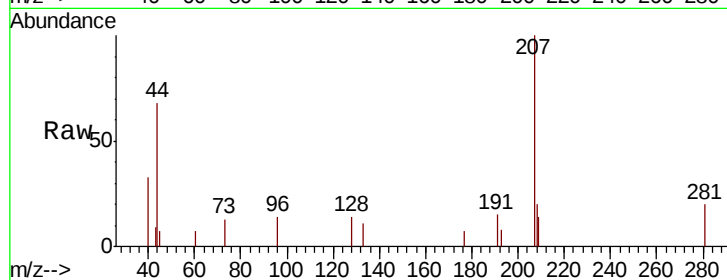
Acq: 10 Aug 2018 18:40

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#05



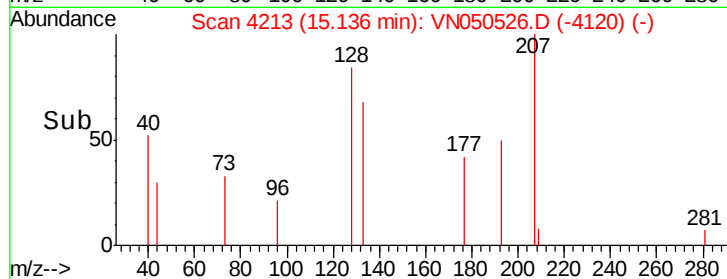
Tot Ion:128 Resp: 245

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

