

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050316.D
 Acq On : 3 Aug 2018 16:37
 Operator : MD\SY
 Sample : PB111719ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#01

Quant Time: Aug 03 23:27:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	676747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1117334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	969509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	412567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	476773	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.59	113	415904	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
50) Toluene-d8	10.09	98	1526929	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
62) 4-Bromofluorobenzene	12.40	95	452718	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	4911	0.46	ug/l	97
5) Bromomethane	2.57	94	4405	Below	Cal	90
11) Tert butyl alcohol	4.81	59	200	0.29	ug/l #	72
13) Acrolein	3.61	56	1374	2.46	ug/l #	43
16) Acetone	3.82	43	69096	27.20	ug/l	99
17) Carbon Disulfide	4.05	76	11298	0.47	ug/l	97
18) Methyl Acetate	4.33	43	25619	1.38	ug/l	96
20) Methylene Chloride	4.56	84	14163	0.45	ug/l	93
25) 2-Butanone	6.84	43	3597	1.00	ug/l #	83
29) Tetrahydrofuran	7.21	42	830	0.36	ug/l #	54
31) Cyclohexane	7.67	56	12760	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47697	3.79	ug/l #	48
38) Carbon Tetrachloride	7.67	117	61693	4.62	ug/l #	17
41) Methacrylonitrile	7.13	41	29	2.75	ug/l #	10
43) Isopropyl Acetate	8.17	43	390904	23.02	ug/l	93
48) Methyl methacrylate	9.18	41	10521	1.39	ug/l #	24
49) 1,4-Dioxane	9.20	88	590	5.74	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5054	0.59	ug/l	92
56) Ethyl methacrylate	10.38	69	60	2.04	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.68	63	30	8.53	ug/l #	48
59) 2-Hexanone	10.77	43	28350	9.55	ug/l #	56
70) Styrene	11.97	104	1607	0.99	ug/l #	69
71) Bromoform	12.40	173	2485	0.36	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	461	Below	Cal #	50
76) 1,2,3-Trichloropropane	12.40	75	220258	28.73	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	5899	0.23	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	220258	91.12	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	698	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2937	3.43	ug/l	98
94) Hexachlorobutadiene	15.01	225	979	0.21	ug/l	71
95) Naphthalene	15.14	128	8711	4.84	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	3254	2.61	ug/l	94

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

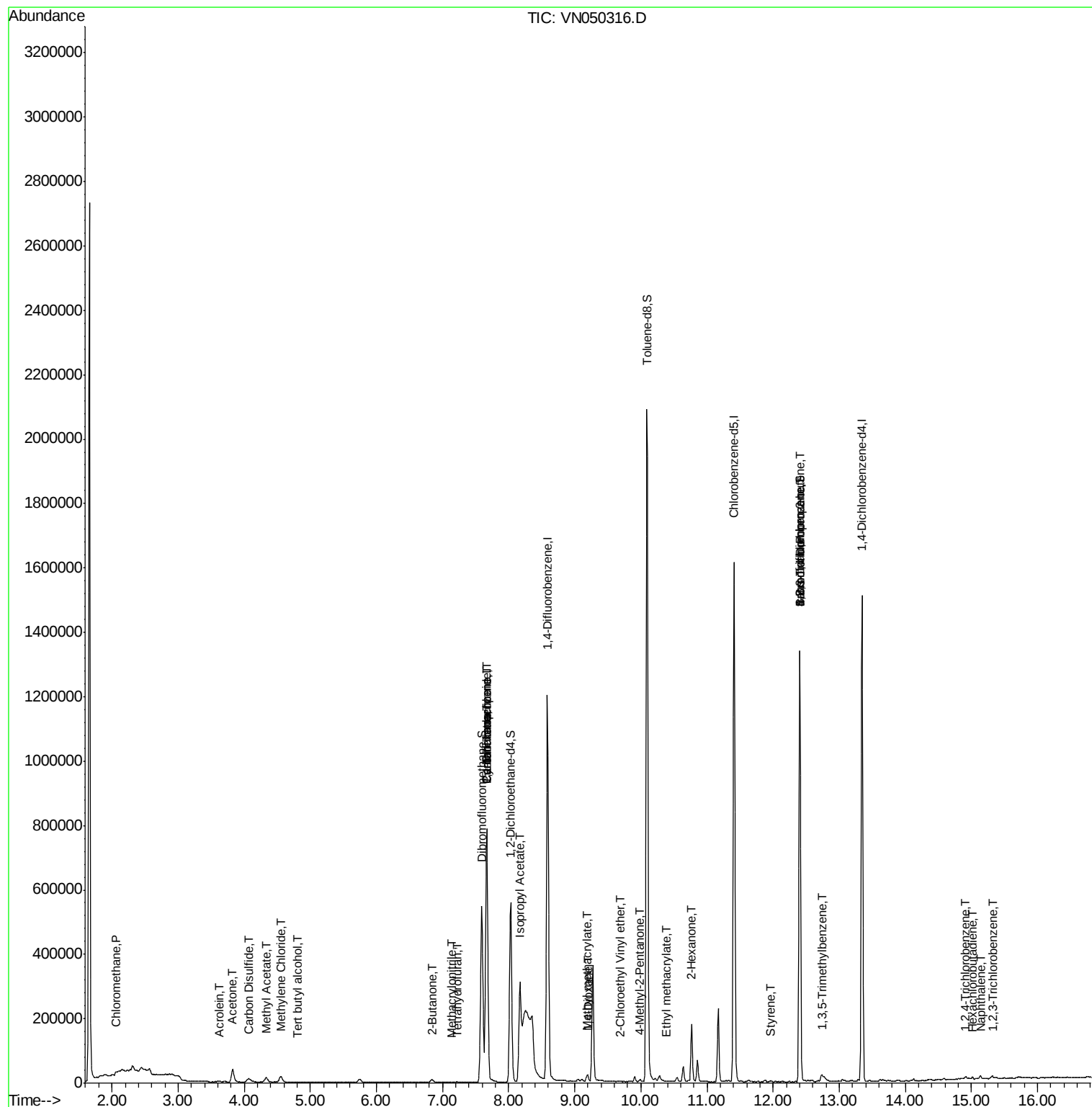
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

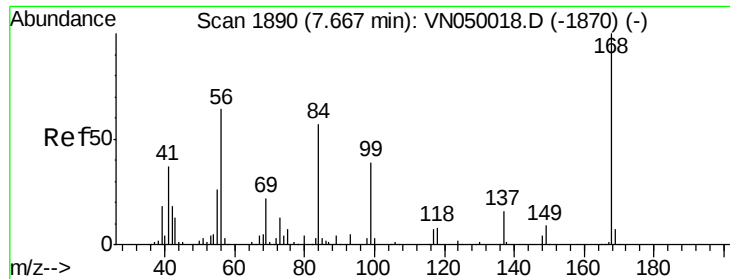
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

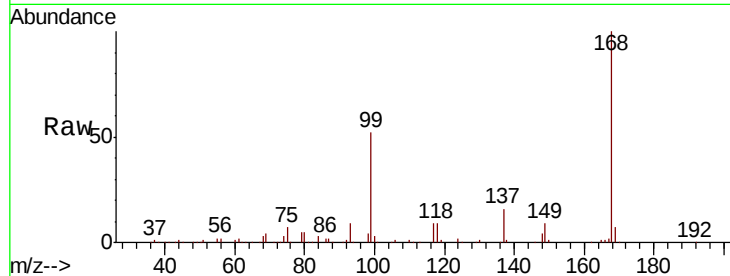
PB111719ZHE#01

Tot Ion:168 Resp: 676747

Ion Ratio Lower Upper

168 100

99 52.0 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

300000

250000

200000

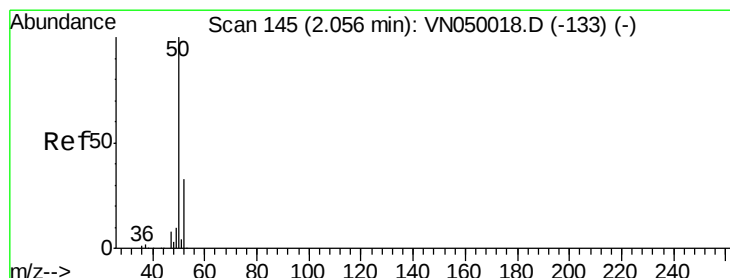
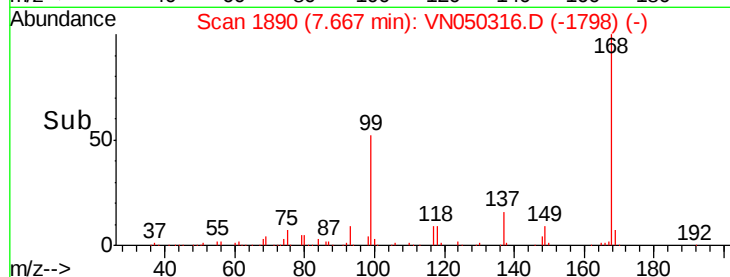
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.46 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050316.D

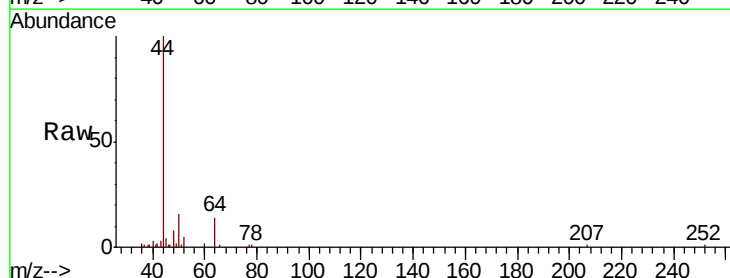
Acq: 3 Aug 2018 16:37

Tgt Ion: 50 Resp: 4911

Ion Ratio Lower Upper

50 100

52 34.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

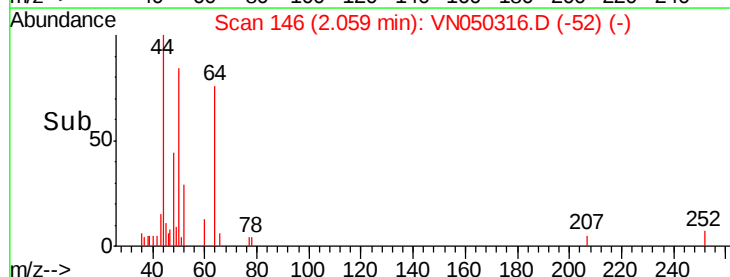
3000

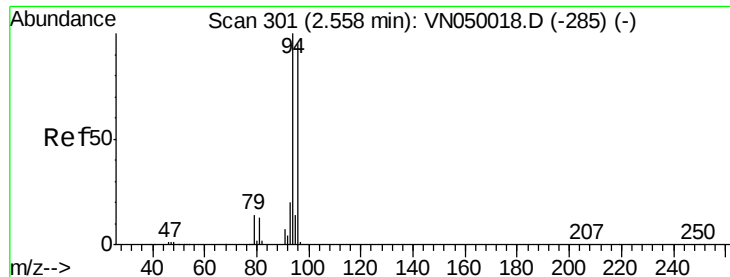
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

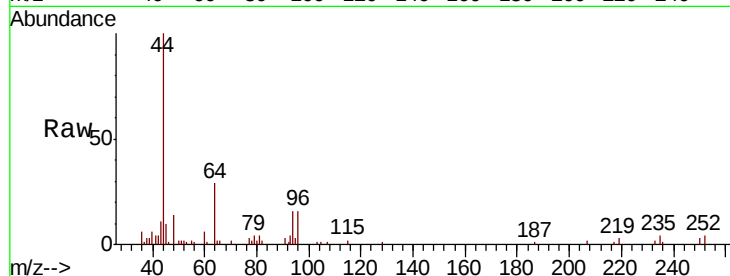
PB111719ZHE#01

Tot Ion: 94 Resp: 4405

Ion Ratio Lower Upper

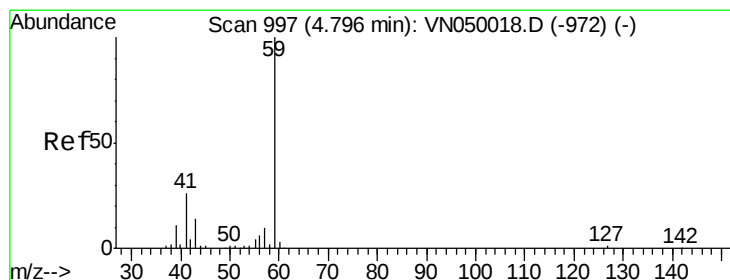
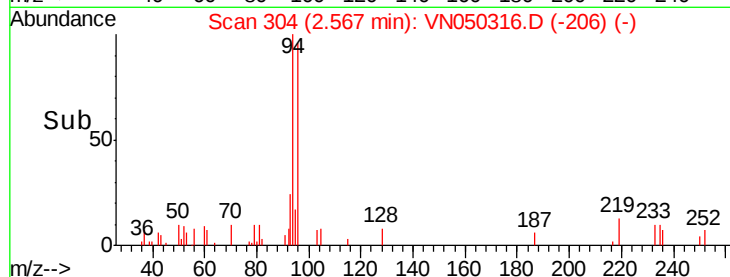
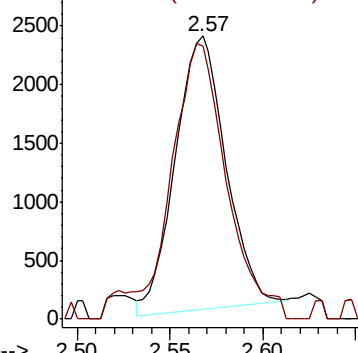
94 100

96 103.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.29 ug/l

RT: 4.81 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN050316.D

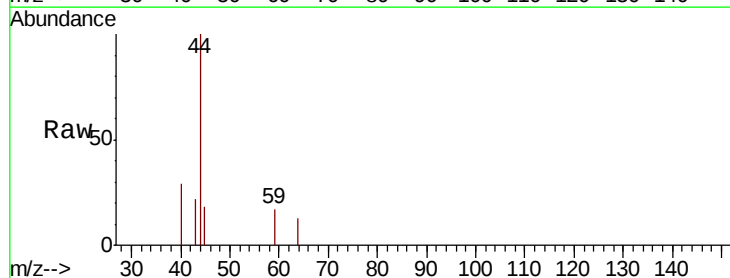
Acq: 3 Aug 2018 16:37

Tgt Ion: 59 Resp: 200

Ion Ratio Lower Upper

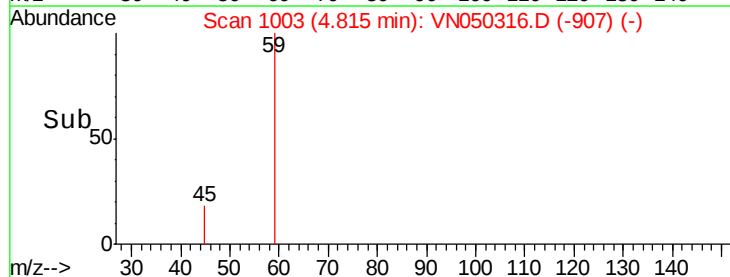
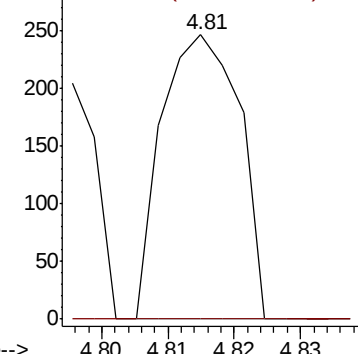
59 100

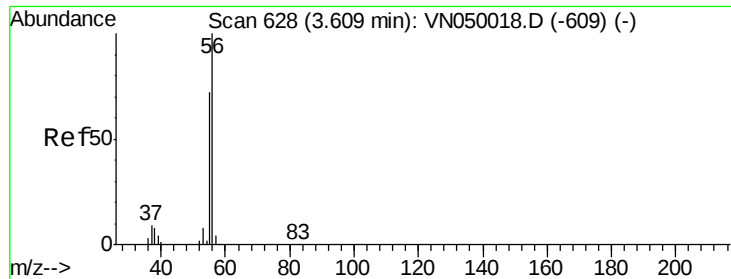
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 2.46 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

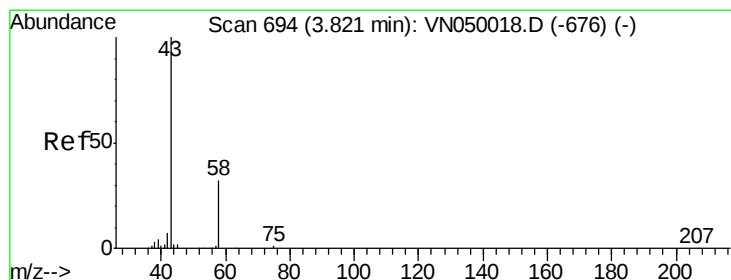
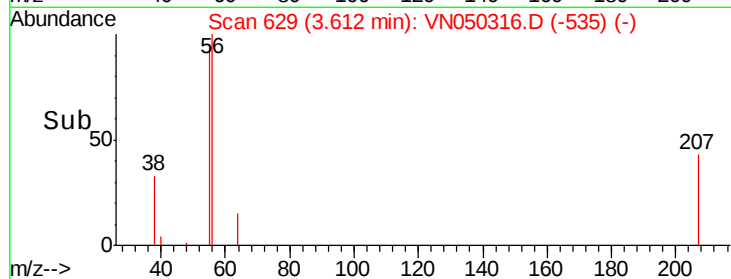
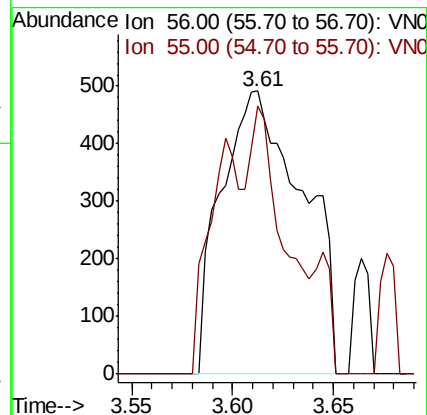
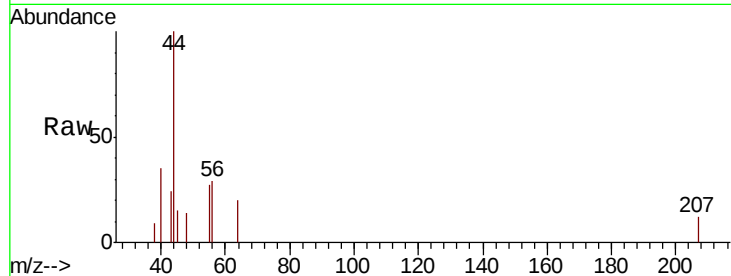
PB111719ZHE#01

Tot Ion: 56 Resp: 1374

Ion Ratio Lower Upper

56 100

55 23.0 55.8 83.6#



#16

Acetone

Concen: 27.20 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050316.D

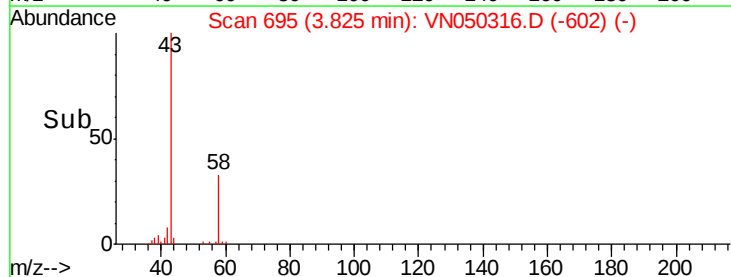
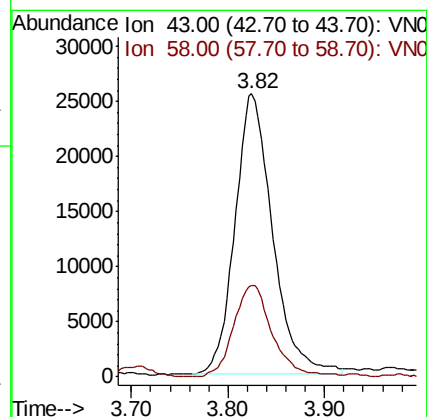
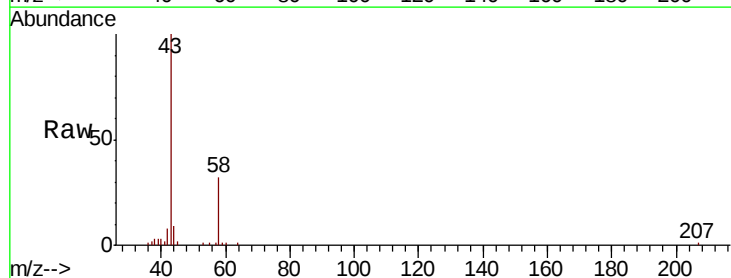
Acq: 3 Aug 2018 16:37

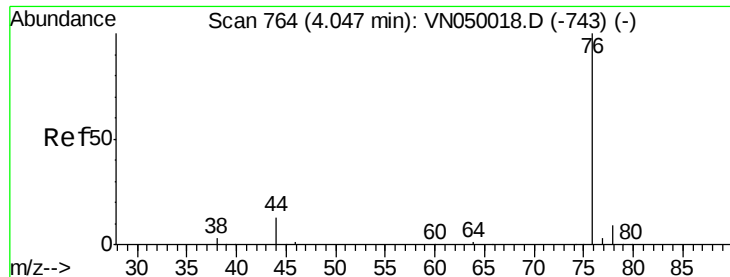
Tgt Ion: 43 Resp: 69096

Ion Ratio Lower Upper

43 100

58 32.7 25.8 38.8

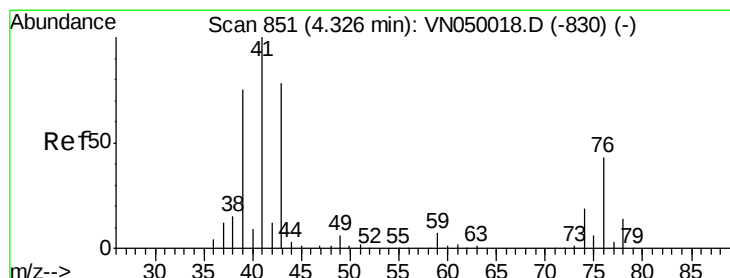
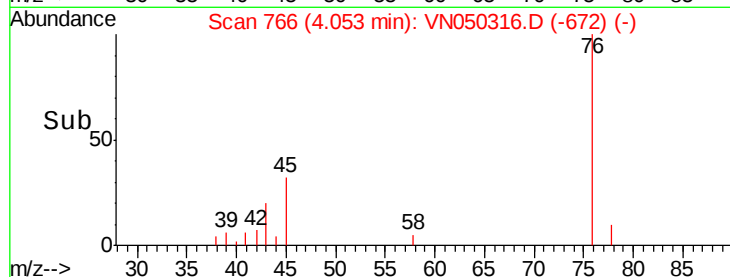
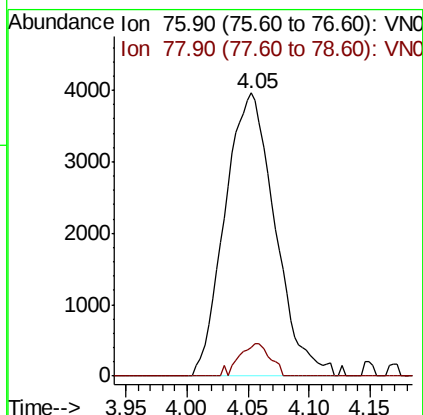
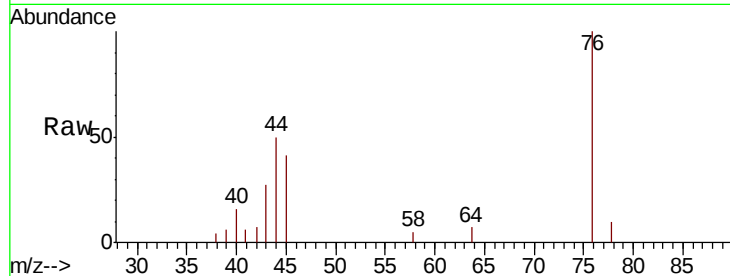




#17
Carbon Disulfide
Concen: 0.47 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

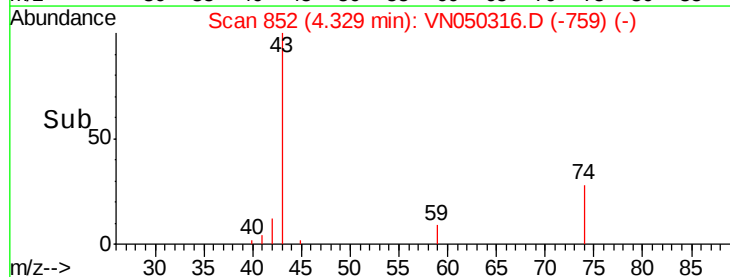
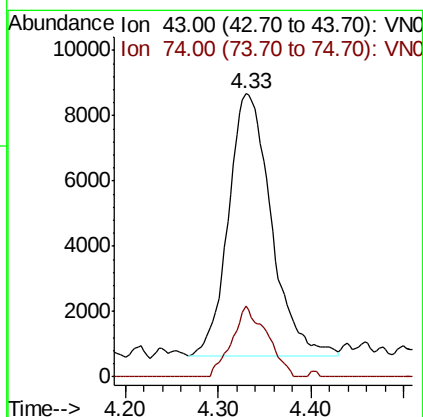
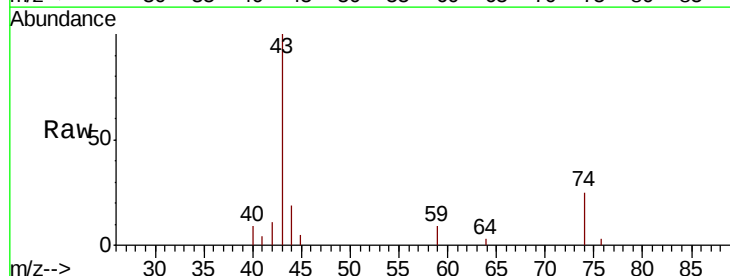
Instrument :
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ClientSampleId :
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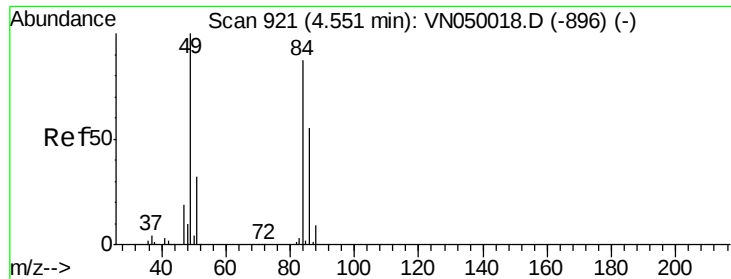
Tot Ion: 76 Resp: 11298
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9



#18
Methyl Acetate
Concen: 1.38 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

Tgt Ion: 43 Resp: 25619
Ion Ratio Lower Upper
43 100
74 22.1 19.2 28.8

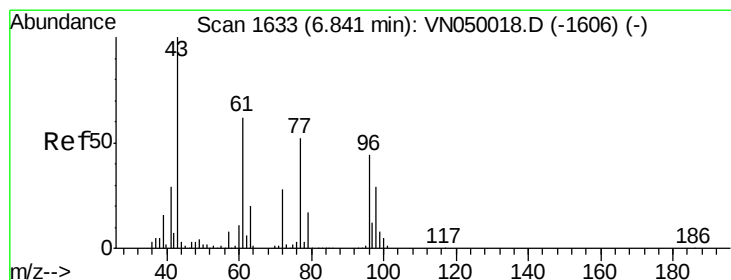
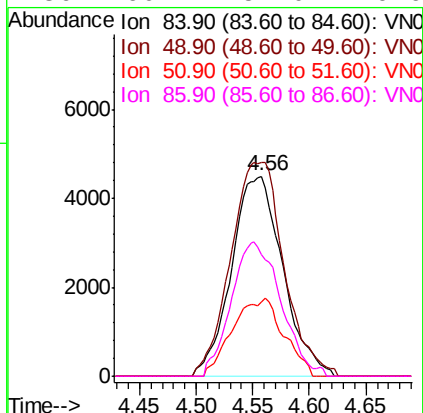
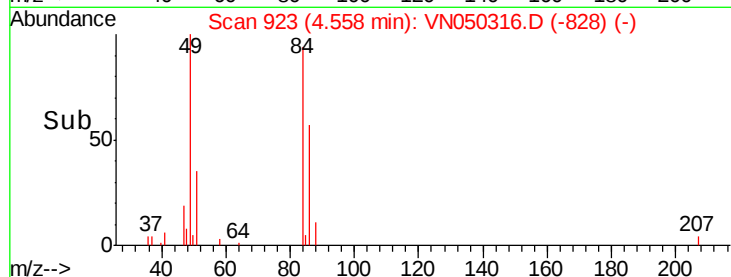
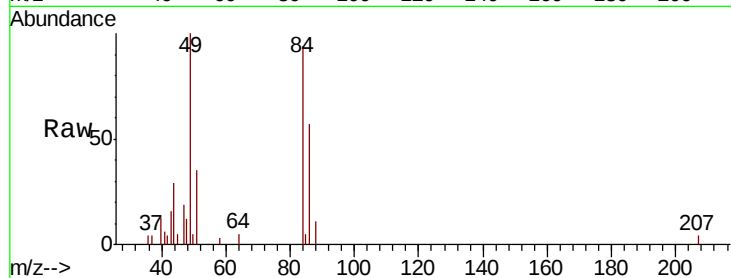




#20
Methvlene Chloride
Concen: 0.45 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

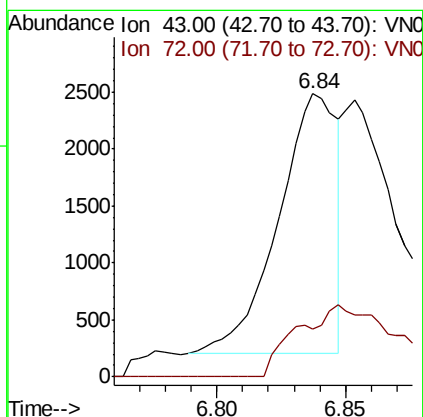
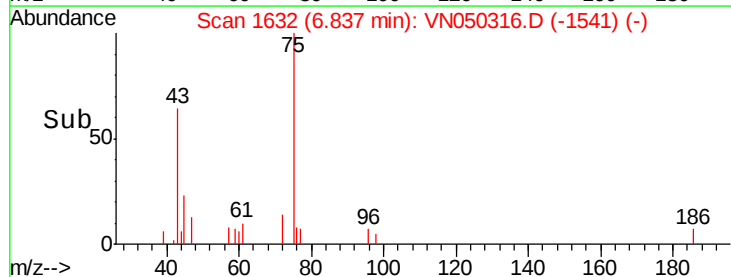
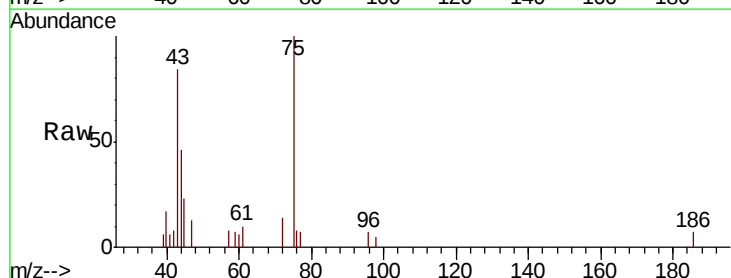
Instrument :
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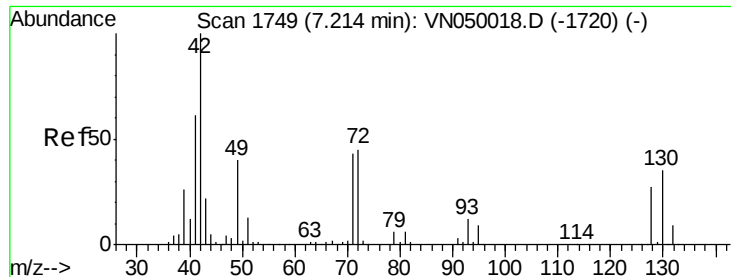
Tot Ion: 84 Resp: 14163
Ion Ratio Lower Upper
84 100
49 106.9 94.8 142.2
51 37.4 28.3 42.5
86 60.7 51.0 76.6



#25
2-Butanone
Concen: 1.00 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.01 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

Tgt Ion: 43 Resp: 3597
Ion Ratio Lower Upper
43 100
72 18.3 21.5 32.3#

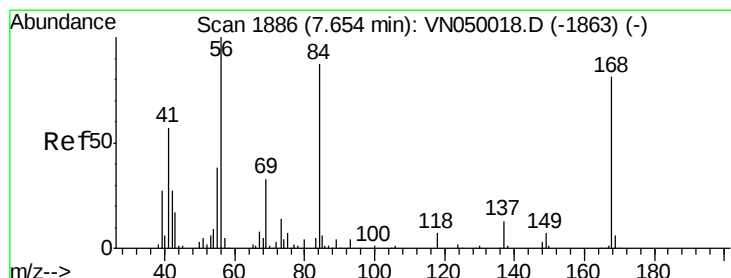
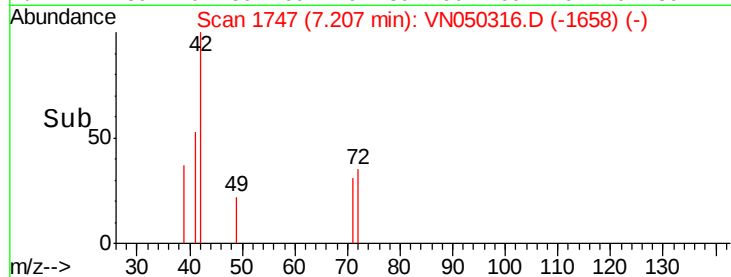
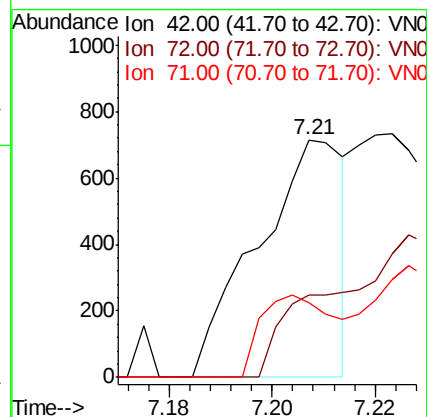
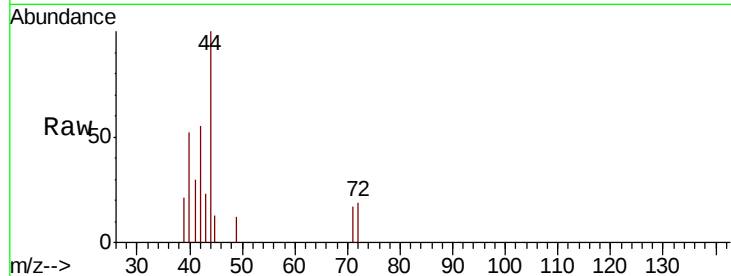




#29
Tetrahydrofuran
Concen: 0.36 ug/l
RT: 7.21 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

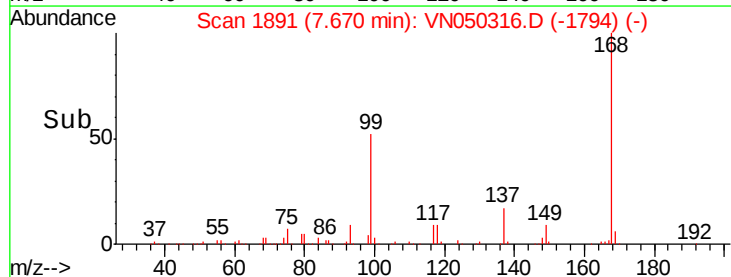
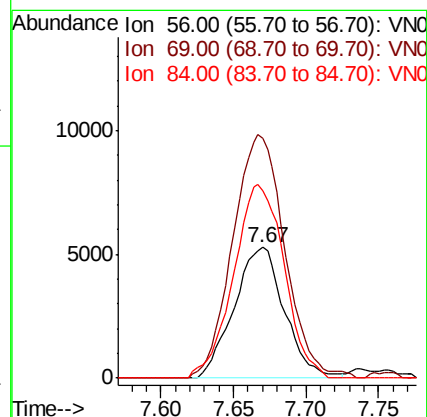
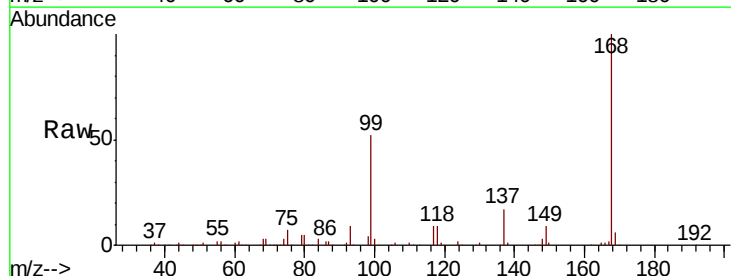
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#01

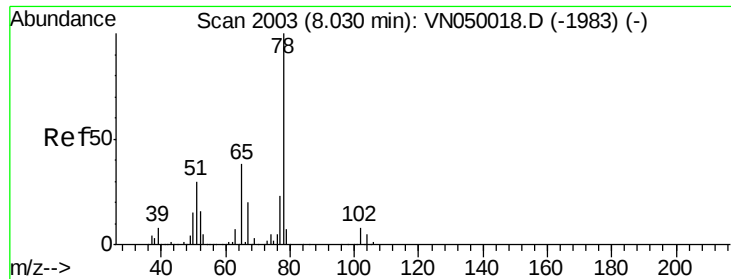
Tot Ion: 42 Resp: 830
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 28.9 33.7 50.5#



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

Tgt Ion: 56 Resp: 12760
Ion Ratio Lower Upper
56 100
69 180.0 26.2 39.4#
84 143.6 67.4 101.0#

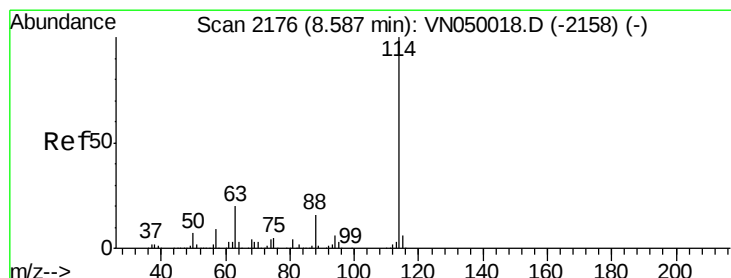
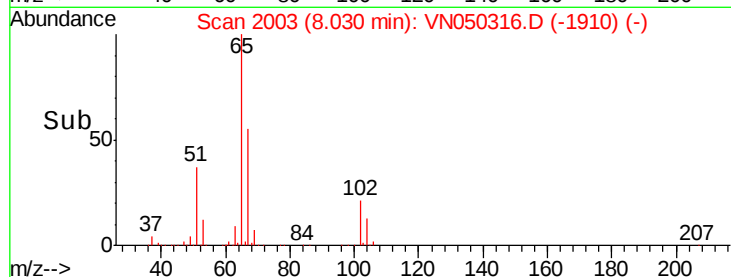
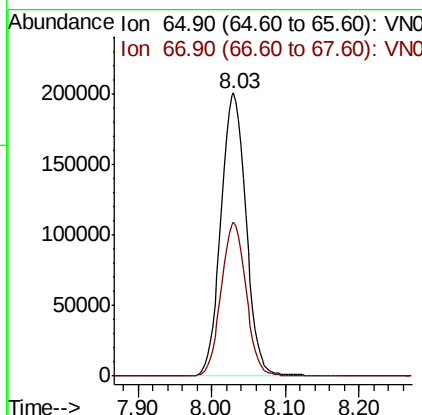
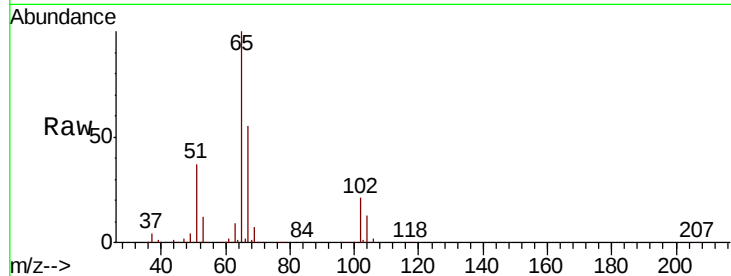




#33
 1,2-Dichloroethane-d4
 Concen: 50.49 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

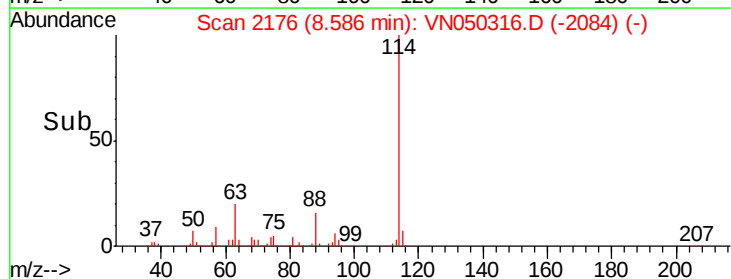
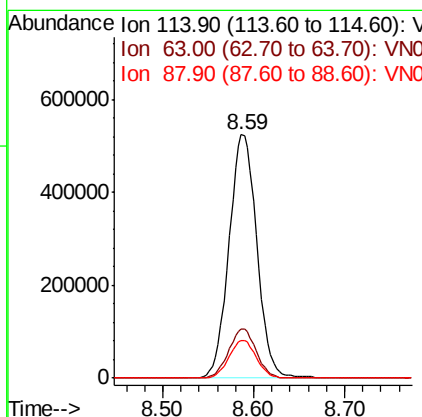
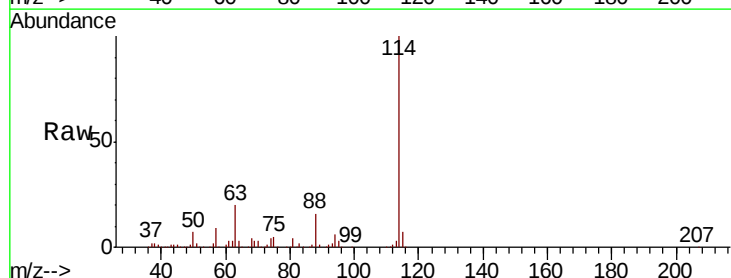
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#01

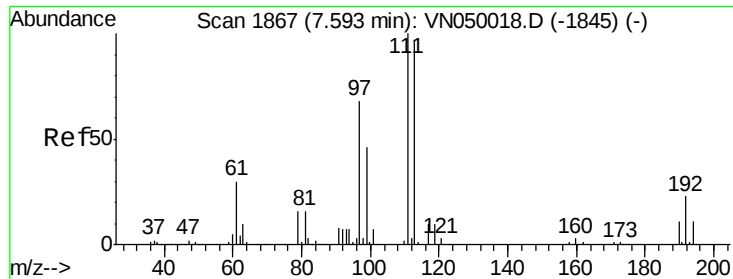
Tot Ion: 65 Resp: 476773
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

Tgt Ion: 114 Resp: 1117334
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.6 0.0 31.2

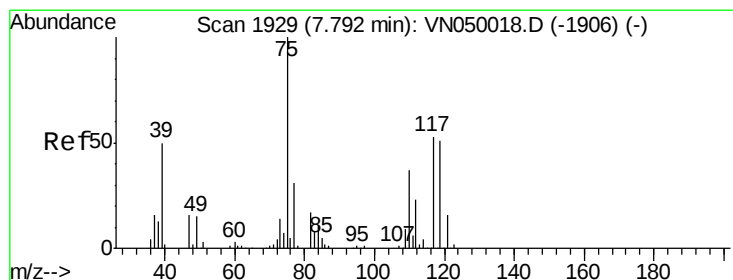
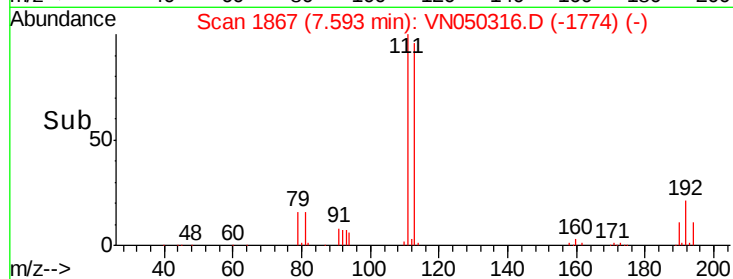
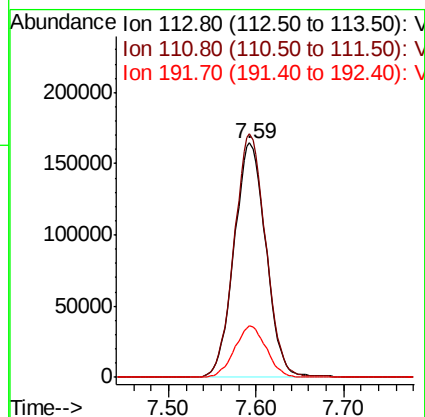
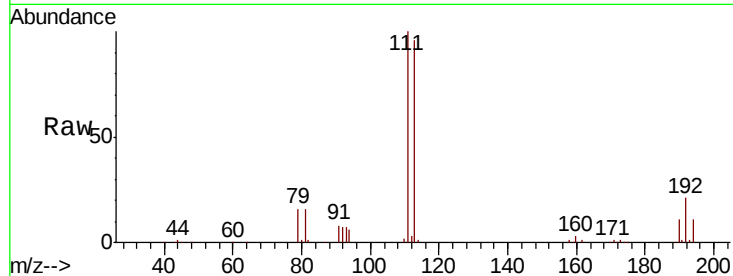




#35
 Dibromofluoromethane
 Concen: 45.59 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

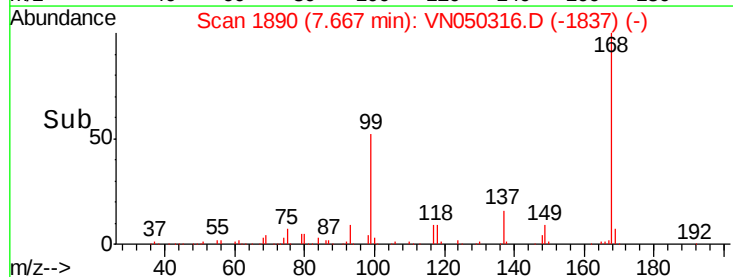
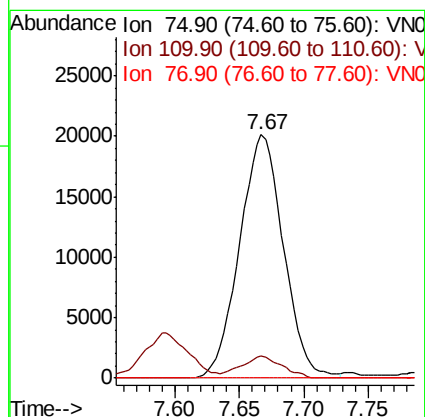
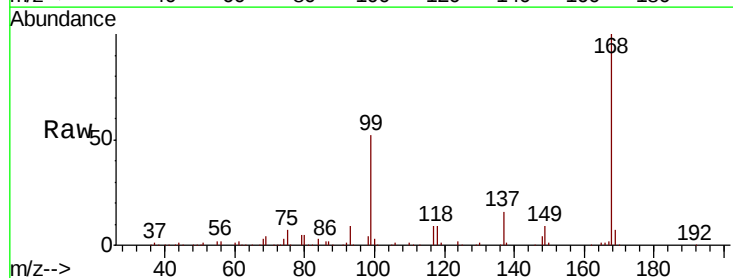
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#01

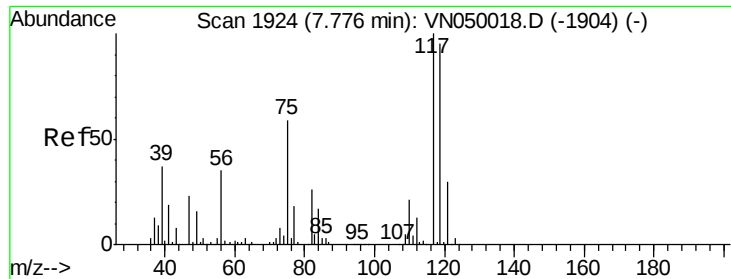
Tot Ion:113 Resp: 415904
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

Tgt Ion: 75 Resp: 47697
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 25.3 37.9#

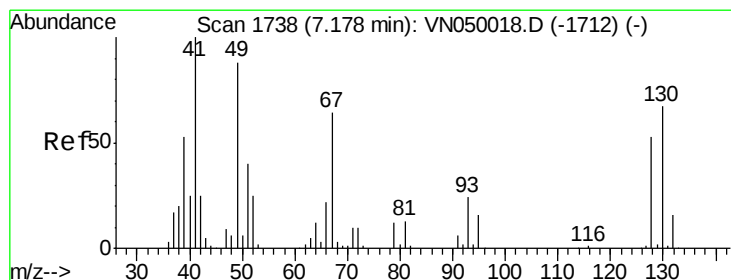
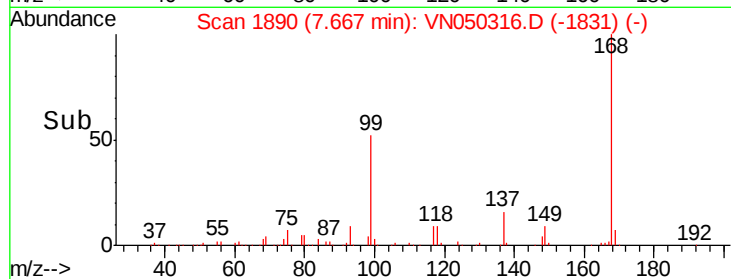
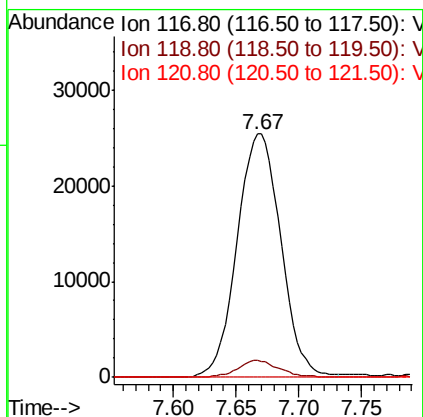
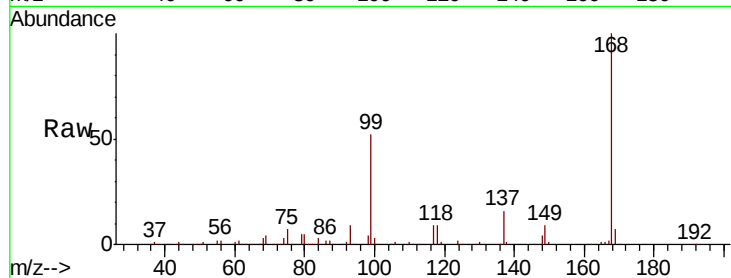




#38
Carbon Tetrachloride
Concen: 4.62 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

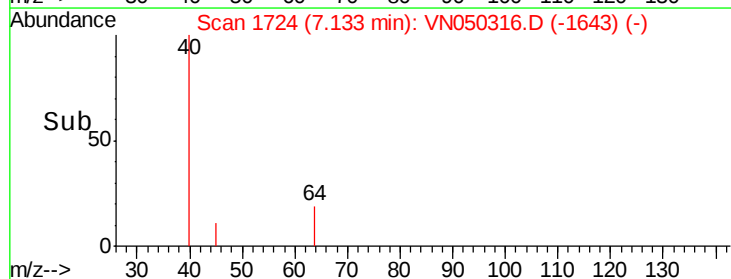
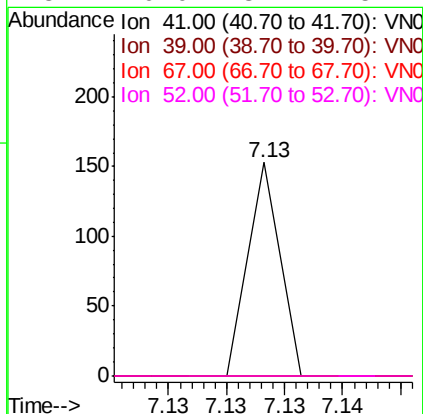
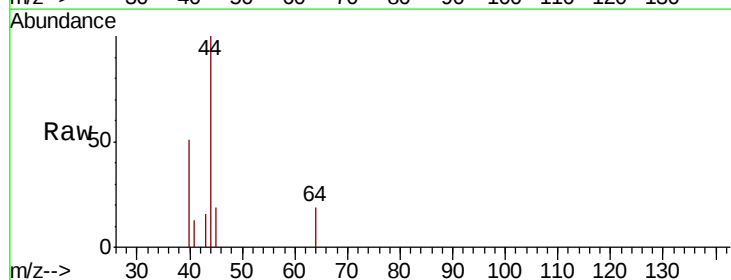
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#01

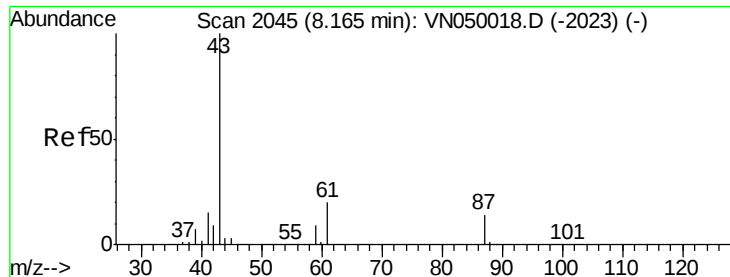
Tot Ion:117 Resp: 61693
Ion Ratio Lower Upper
117 100
119 7.0 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.75 ug/l
RT: 7.13 min Scan# 1724
Delta R.T. -0.04 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

Tgt Ion: 41 Resp: 29
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



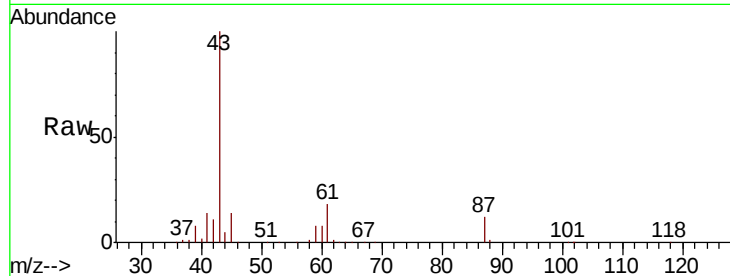


#43

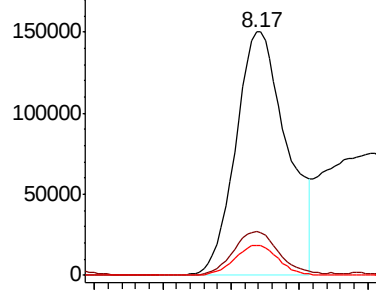
Isopropyl Acetate
 Concen: 23.02 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#01

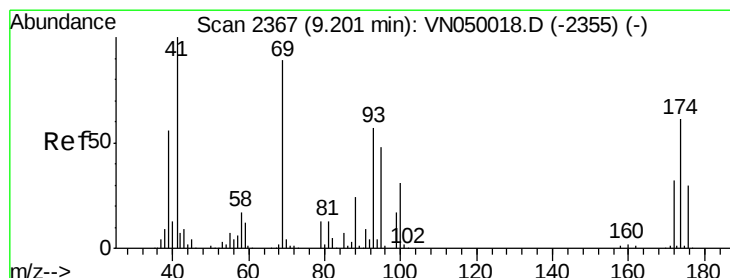
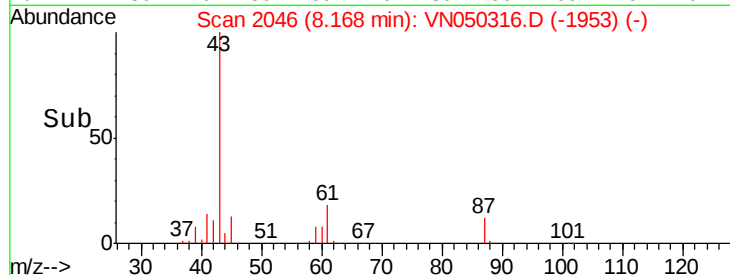
Tot Ion: 43 Resp: 390904
 Ion Ratio Lower Upper
 43 100
 61 16.1 15.8 23.6
 87 10.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 61.00 (60.70 to 61.70): VNC
 Ion 87.00 (86.70 to 87.70): VNC



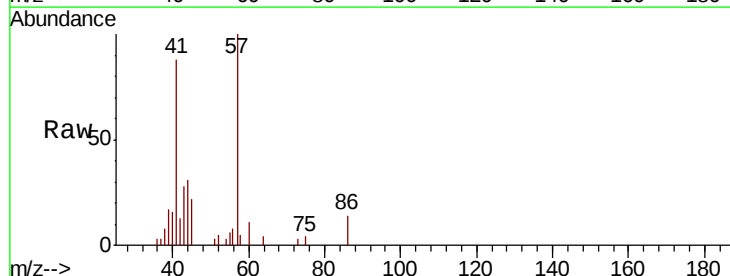
Time--> 8.05 8.10 8.15 8.20



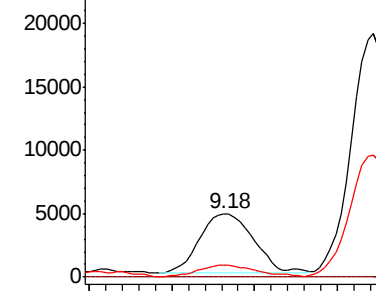
#48

Methyl methacrylate
 Concen: 1.39 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

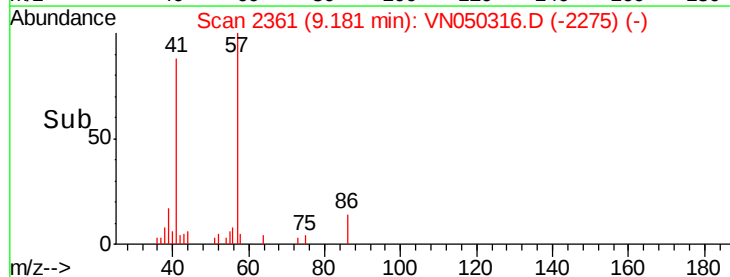
Tgt Ion: 41 Resp: 10521
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.6 105.8#
 39 22.1 43.9 65.9#

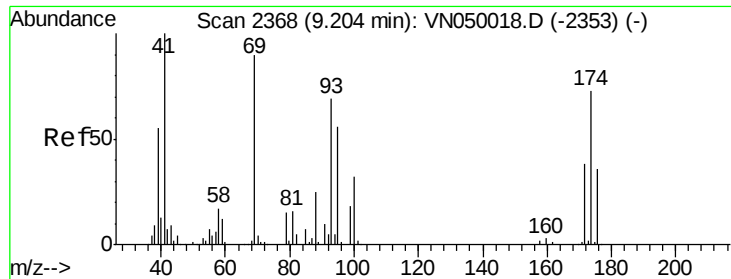


Abundance Ion 41.00 (40.70 to 41.70): VNC
 Ion 69.00 (68.70 to 69.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC



Time--> 9.10 9.15 9.20 9.25





#49

1,4-Dioxane

Concen: 5.74 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#01

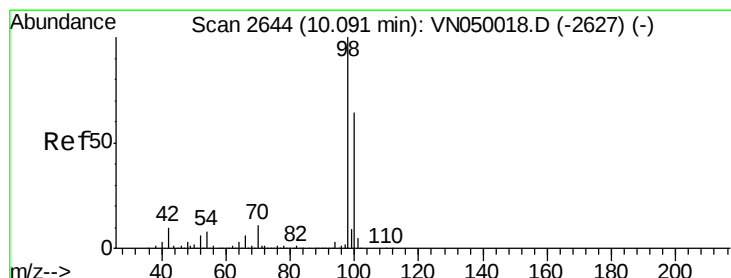
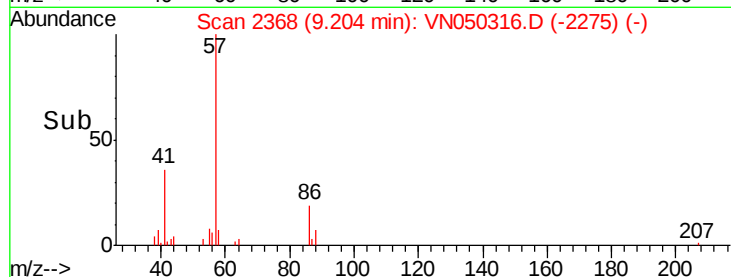
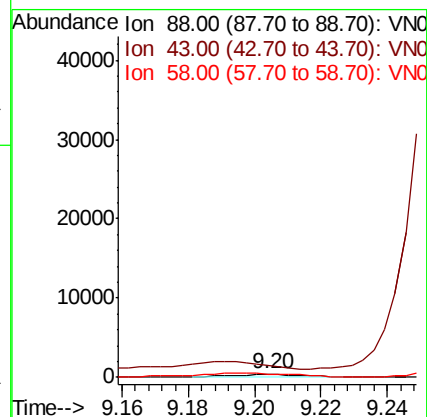
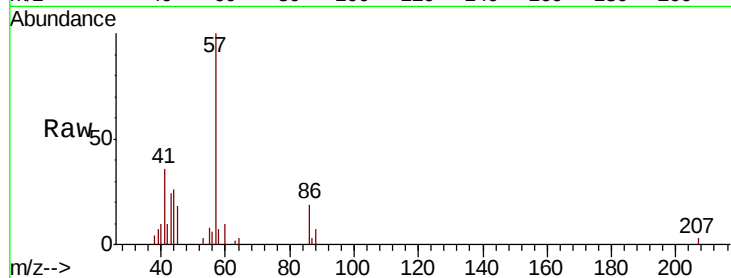
Tot Ion: 88 Resp: 590

Ion Ratio Lower Upper

88 100

43 0.0 26.9 40.3#

58 192.5 57.3 85.9#



#50

Toluene-d8

Concen: 45.53 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050316.D

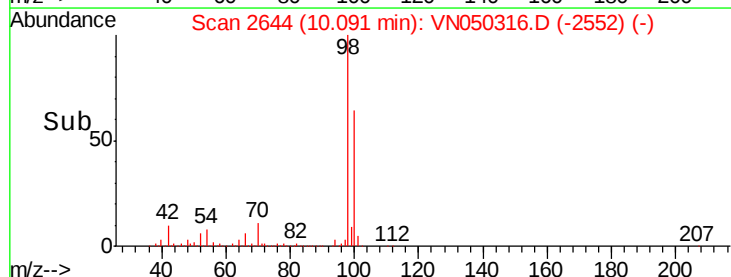
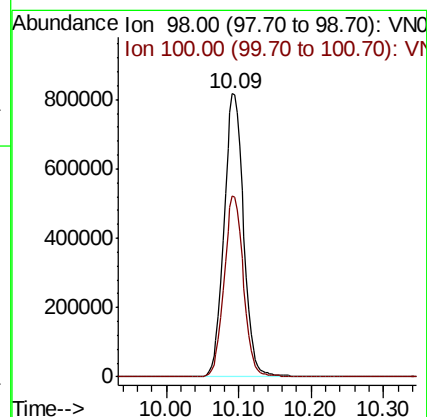
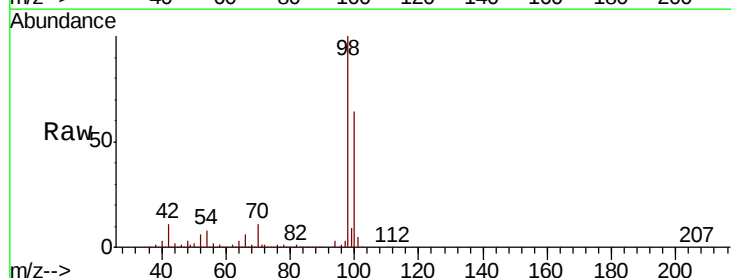
Acq: 3 Aug 2018 16:37

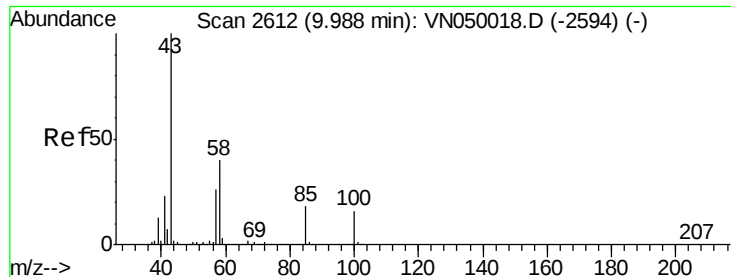
Tgt Ion: 98 Resp: 1526929

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1

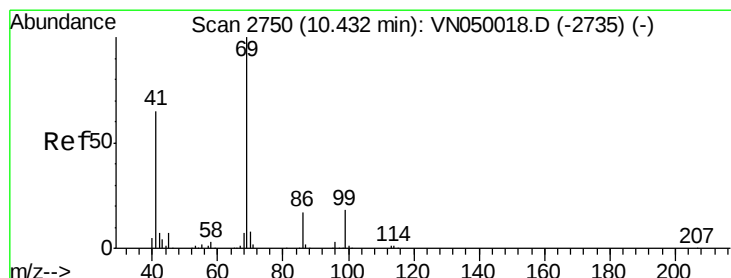
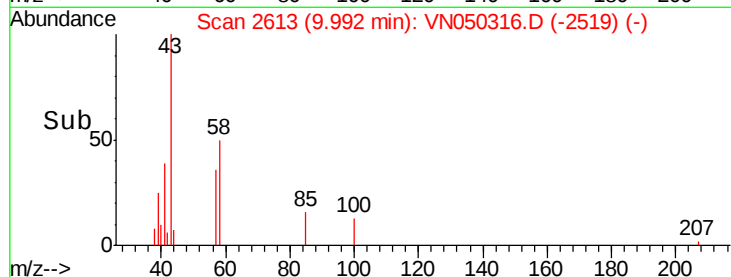
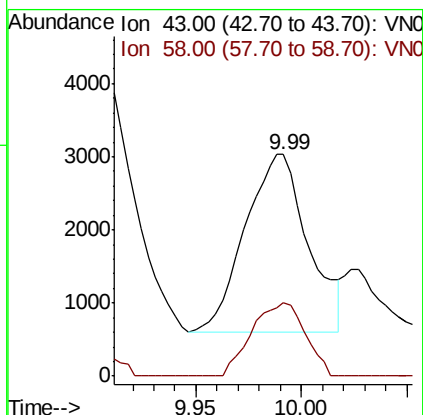
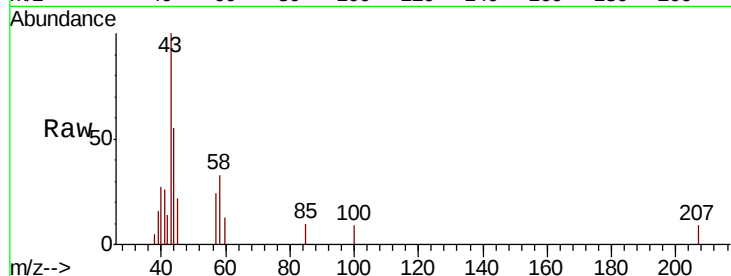




#51
 4-Methyl-2-Pentanone
 Concen: 0.59 ug/l
 RT: 9.99 min Scan# 2613
 Delta R.T. 0.00 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

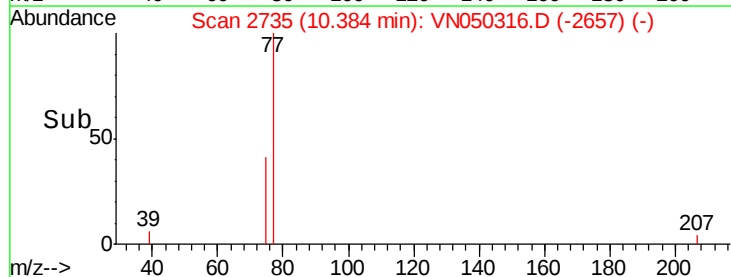
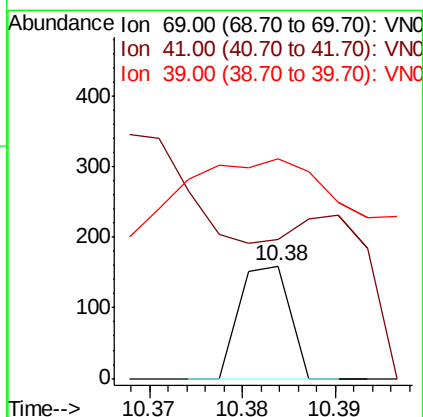
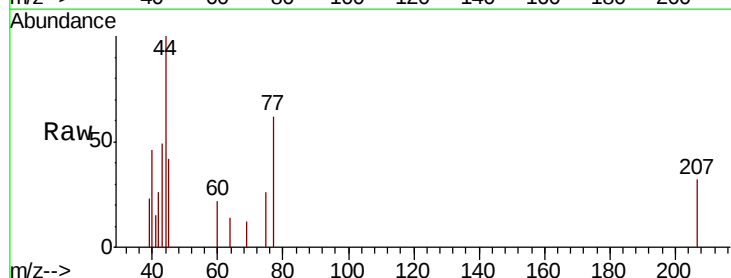
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#01

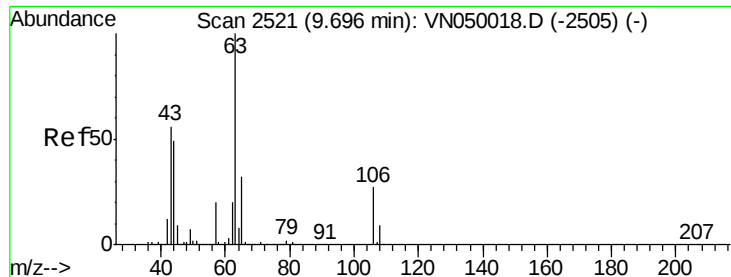
Tot Ion: 43 Resp: 5054
 Ion Ratio Lower Upper
 43 100
 58 35.0 31.9 47.9



#56
 Ethyl methacrylate
 Concen: 2.04 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.05 min
 Lab File: VN050316.D
 Acq: 3 Aug 2018 16:37

Tgt Ion: 69 Resp: 60
 Ion Ratio Lower Upper
 69 100
 41 938.3 51.0 76.4#
 39 1103.3 26.6 40.0#

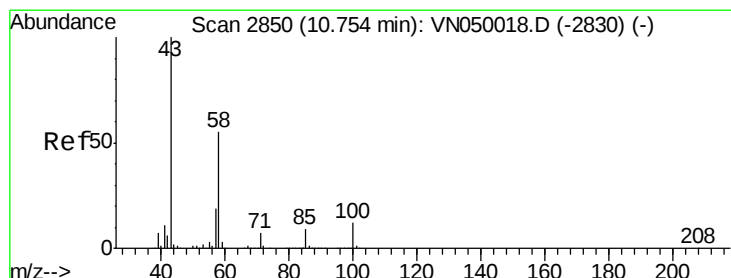
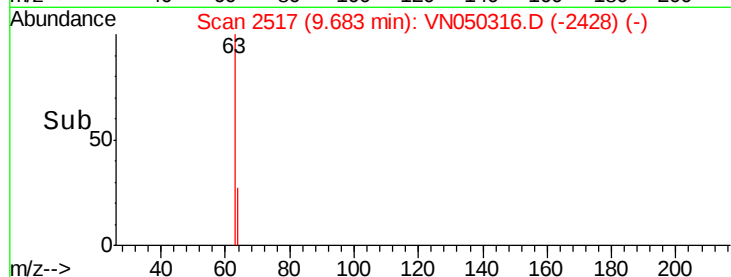
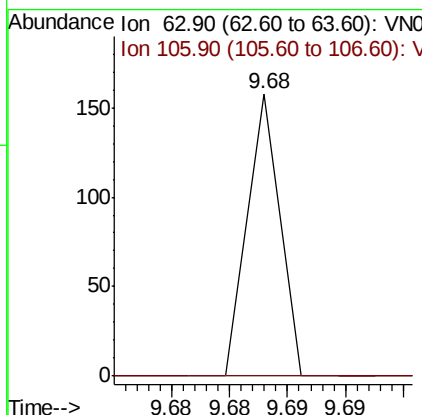
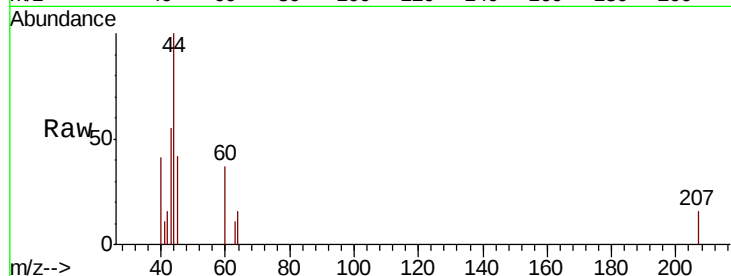




#58
2-Chloroethyl Vinyl ether
Concen: 8.53 ug/l
RT: 9.68 min Scan# 2517
Delta R.T. -0.02 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

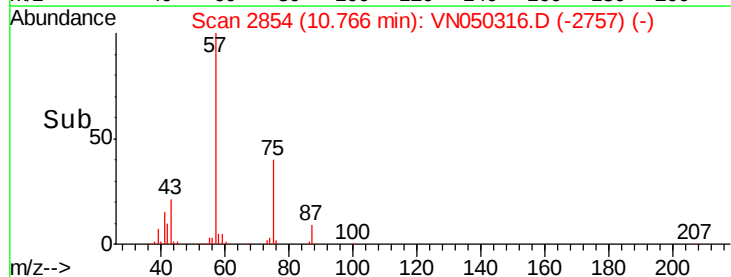
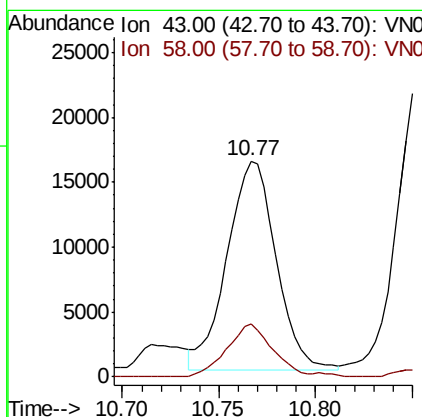
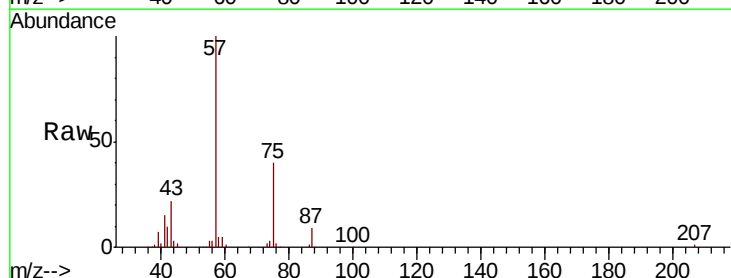
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#01

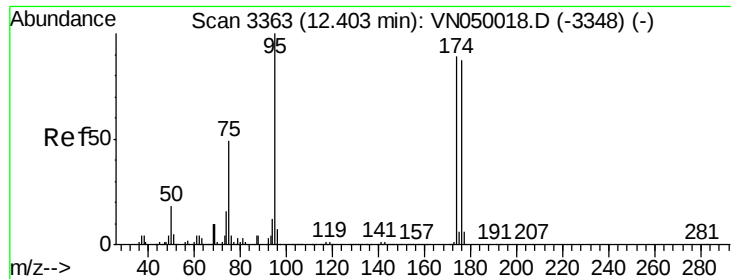
Tot Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 21.7 32.5#



#59
2-Hexanone
Concen: 9.55 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050316.D
Acq: 3 Aug 2018 16:37

Tgt Ion: 43 Resp: 28350
Ion Ratio Lower Upper
43 100
58 23.4 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 40.99 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#01

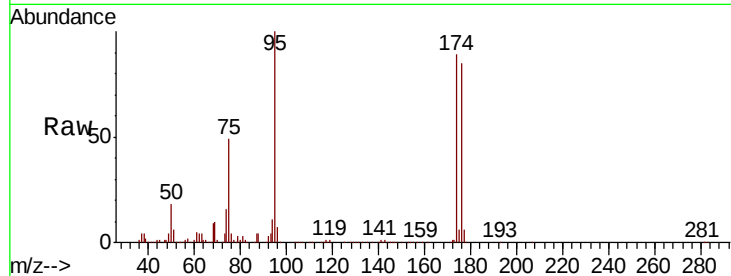
Tot Ion: 95 Resp: 452718

Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.2

176 86.0 0.0 173.4

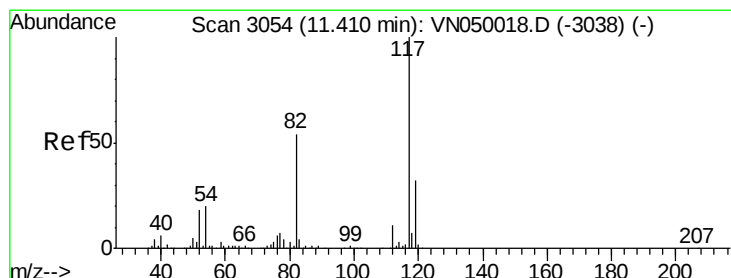
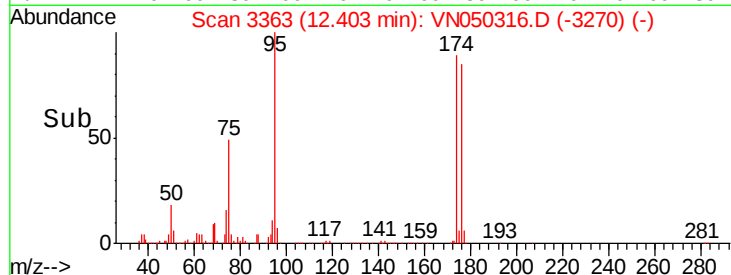


Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

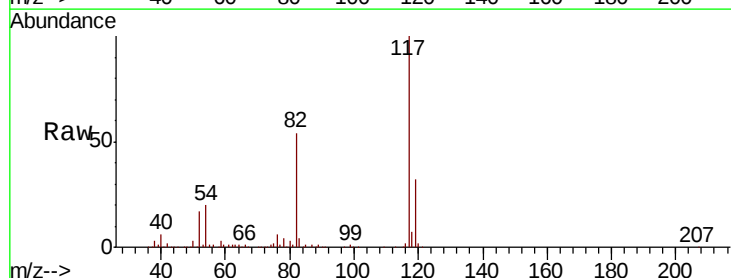
Tgt Ion: 117 Resp: 969509

Ion Ratio Lower Upper

117 100

82 53.8 43.7 65.5

119 31.9 26.1 39.1

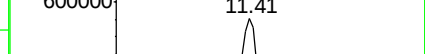
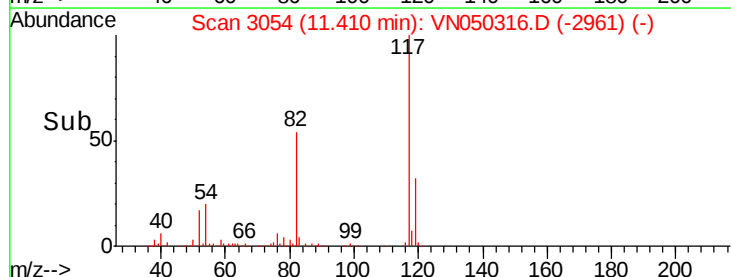


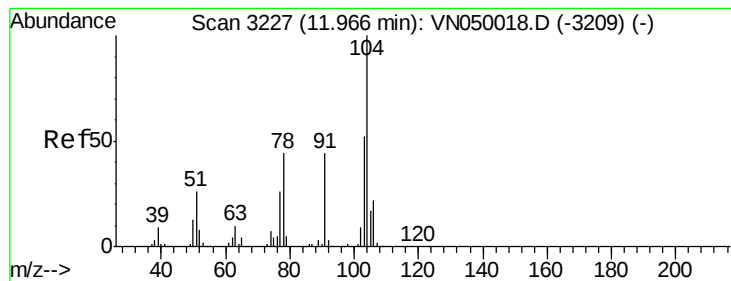
Abundance Ion 116.90 (116.60 to 117.60): VN050018.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050018.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050018.D (-3038) (-)

Time-->





#70

Stvrene

Concen: 0.99 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#01

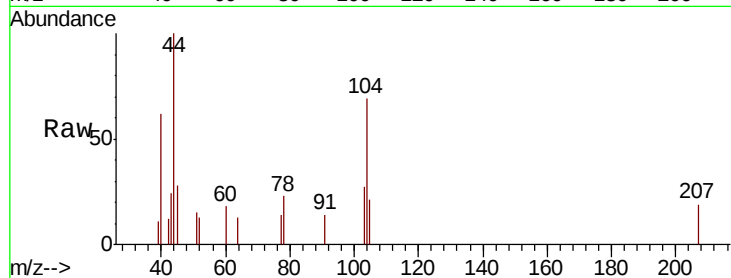
Tot Ion:104 Resp: 1607

Ion Ratio Lower Upper

104 100

78 41.4 39.3 58.9

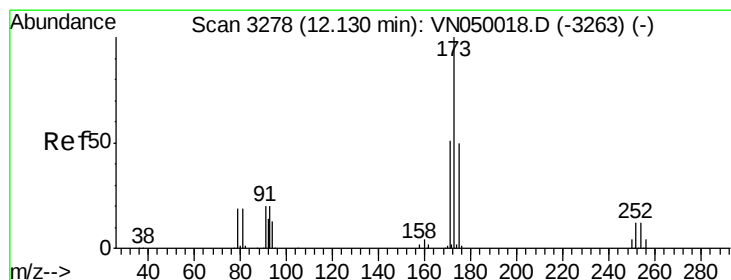
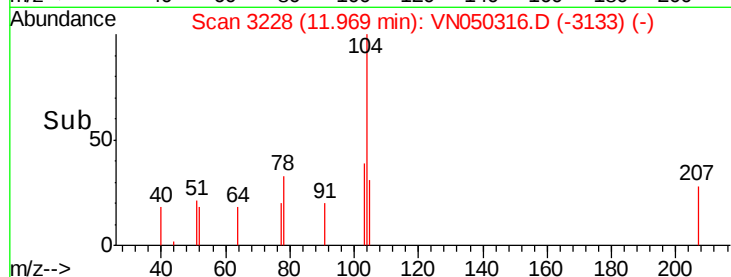
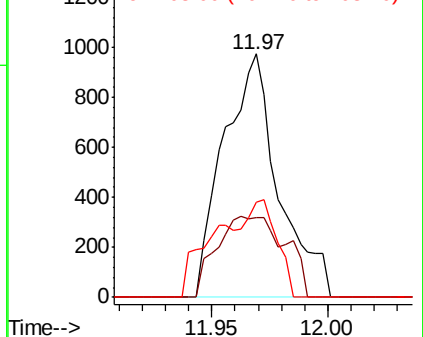
103 21.3 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

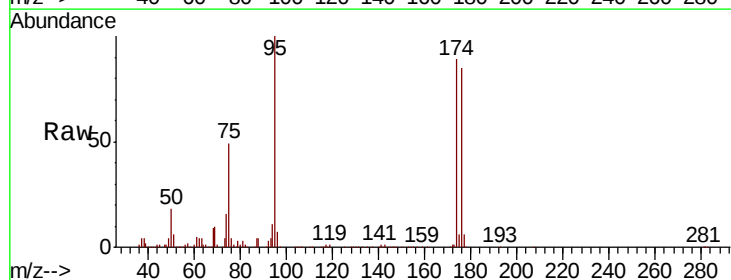
Tgt Ion:173 Resp: 2485

Ion Ratio Lower Upper

173 100

175 1066.1 24.1 72.2#

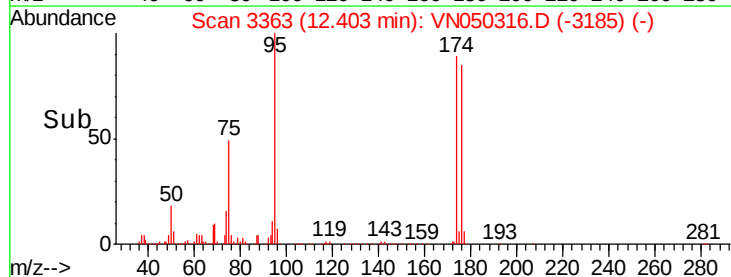
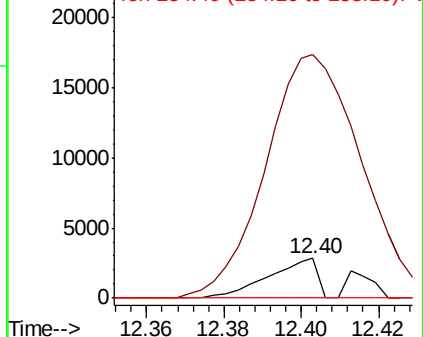
254 0.0 0.2 0.2#

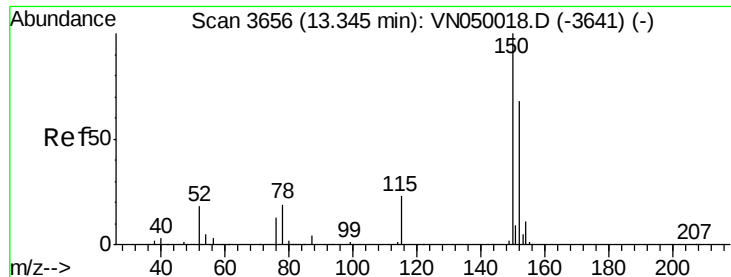


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#01

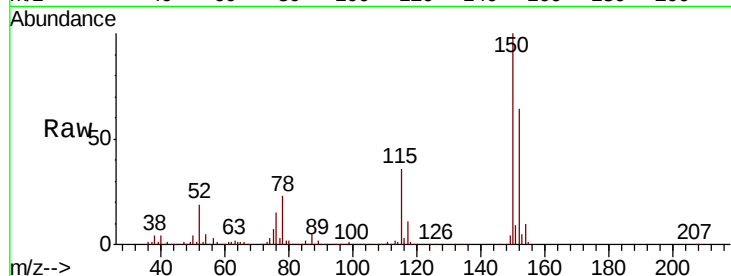
Tot Ion:152 Resp: 412567

Ion Ratio Lower Upper

152 100

115 57.4 27.8 83.3

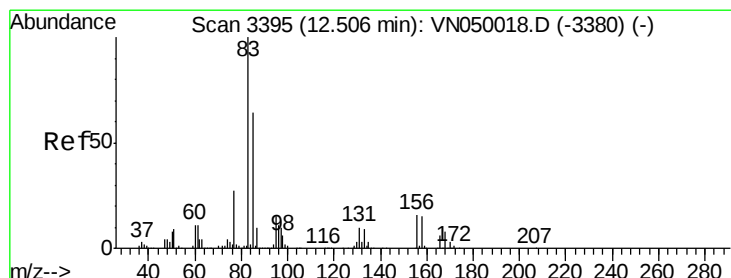
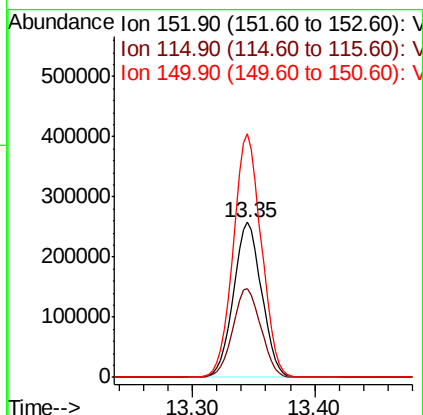
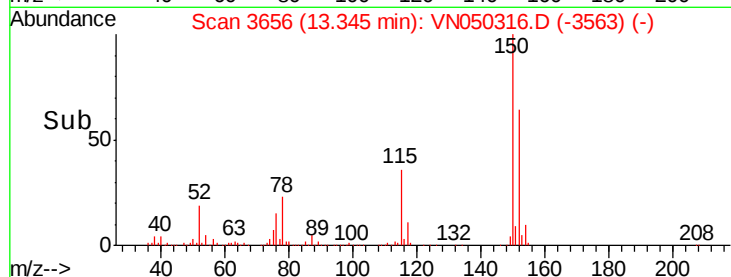
150 156.2 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

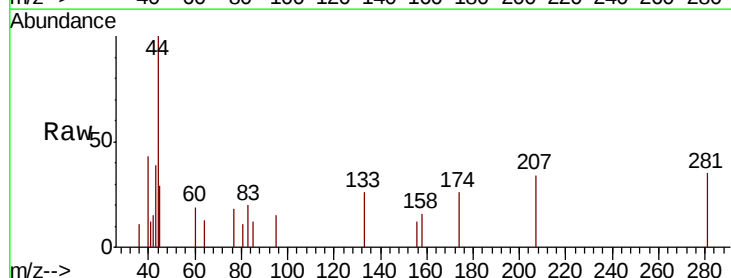
Tgt Ion: 83 Resp: 461

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

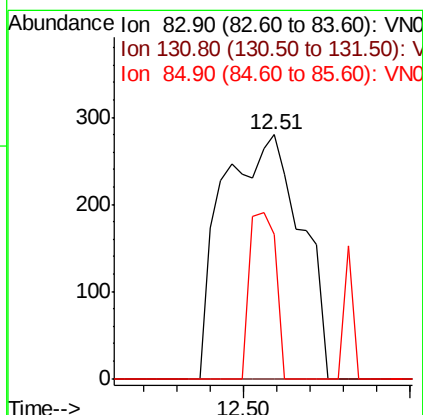
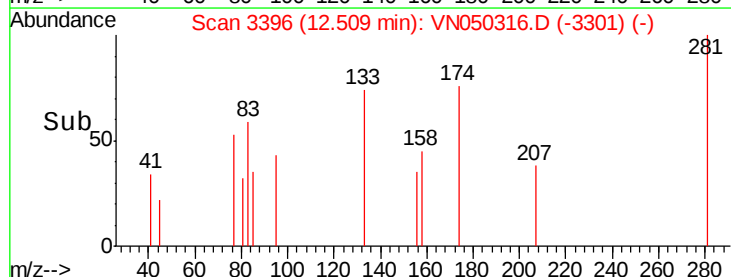
85 22.8 32.3 96.8#

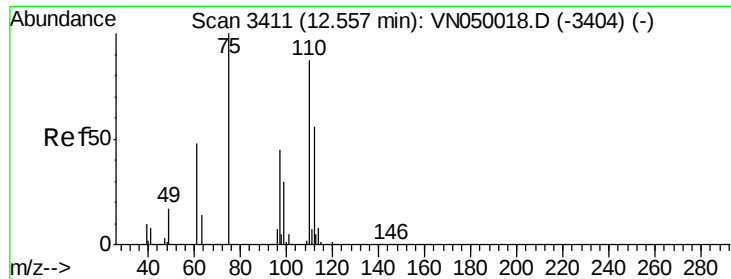


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 28.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

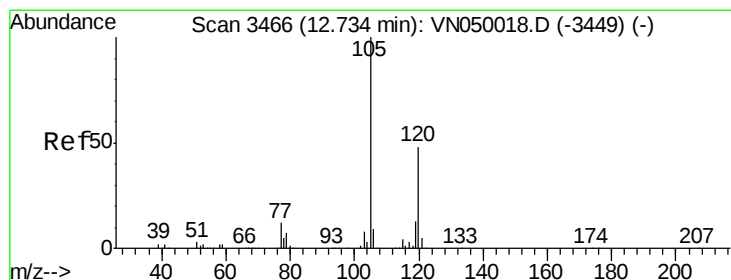
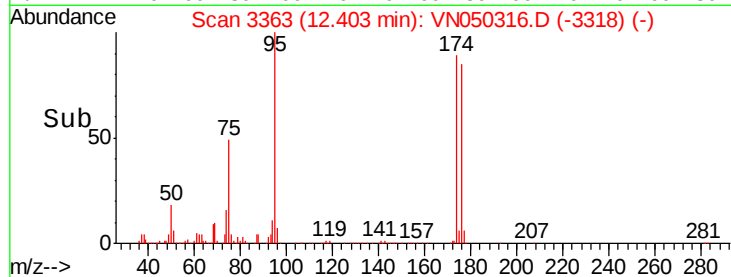
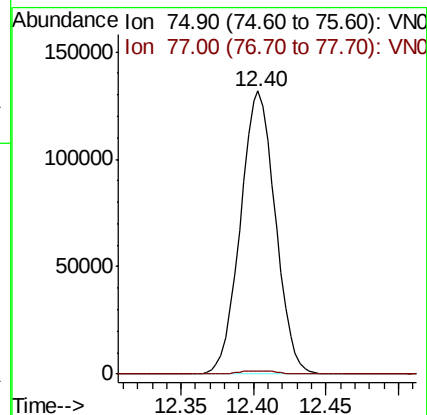
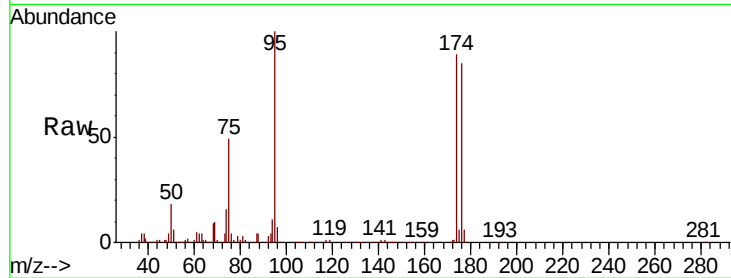
PB111719ZHE#01

Tot Ion: 75 Resp: 220258

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.23 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050316.D

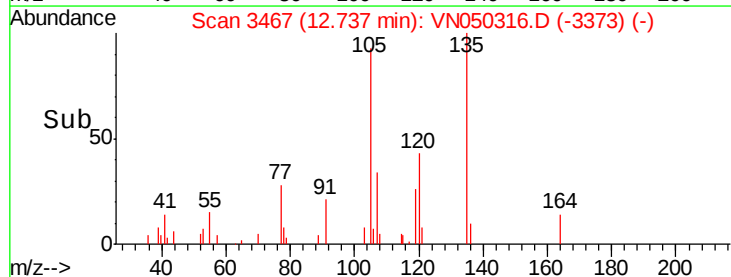
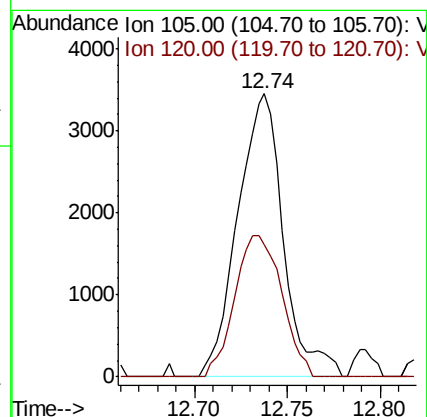
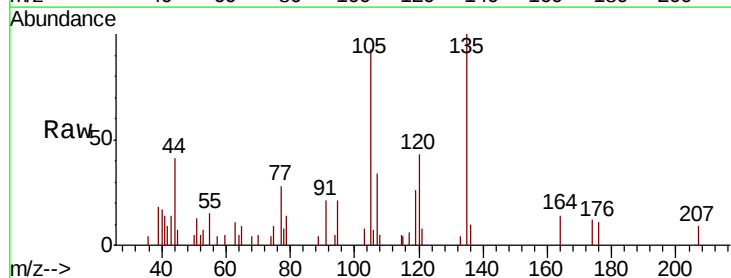
Acq: 3 Aug 2018 16:37

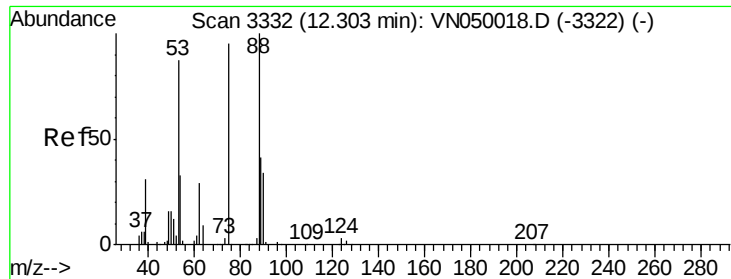
Tgt Ion: 105 Resp: 5899

Ion Ratio Lower Upper

105 100

120 51.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 91.12 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#01

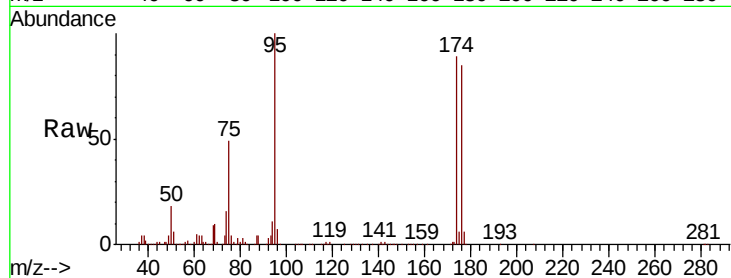
Tot Ion: 75 Resp: 220258

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

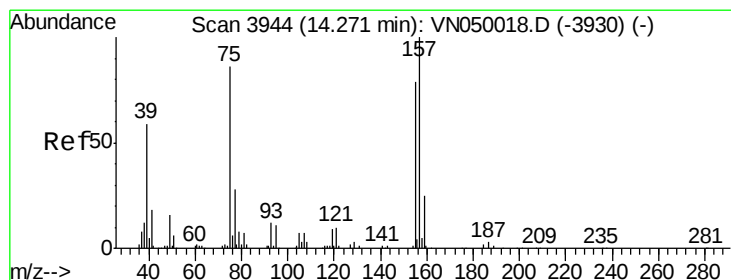
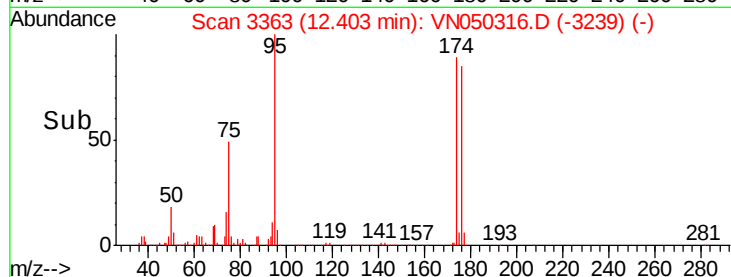
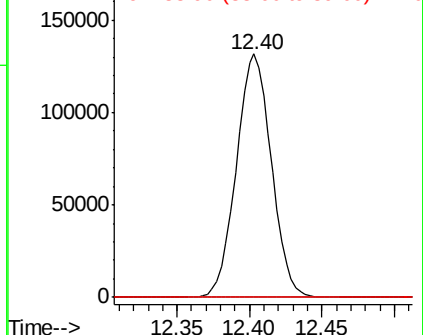
89 0.0 36.0 54.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

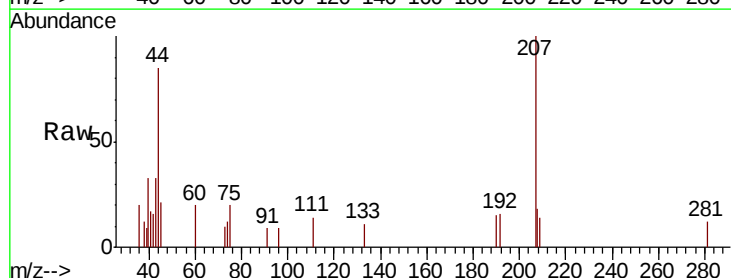
Tgt Ion: 75 Resp: 698

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

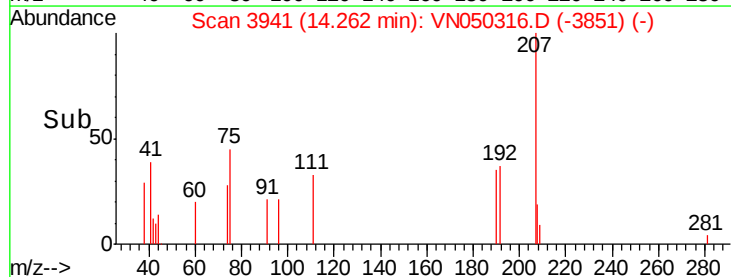
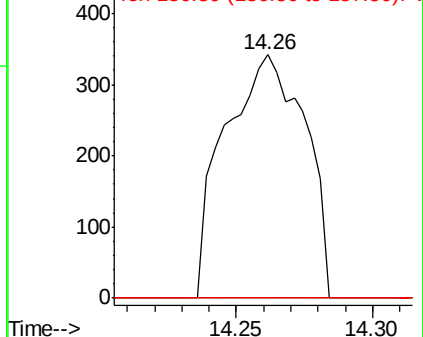
157 0.0 57.2 171.6#

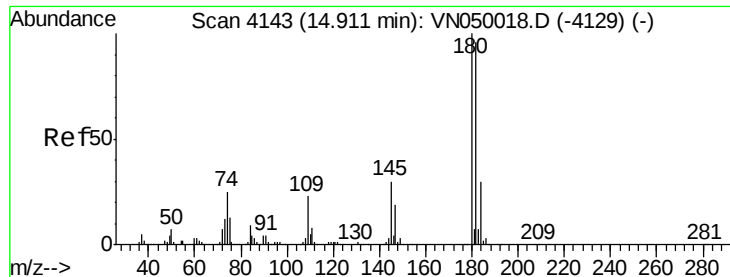


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 3.43 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#01

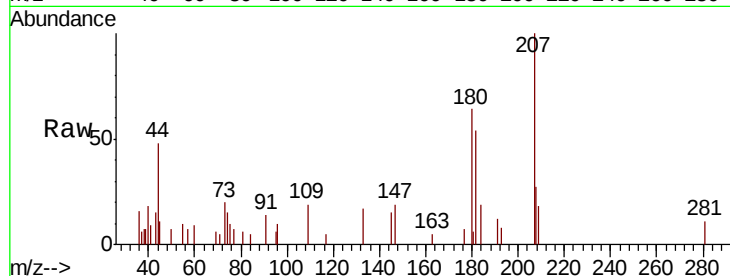
Tot Ion:180 Resp: 2937

Ion Ratio Lower Upper

180 100

182 91.7 46.7 140.1

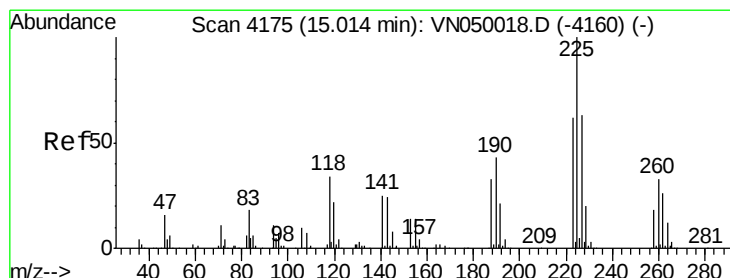
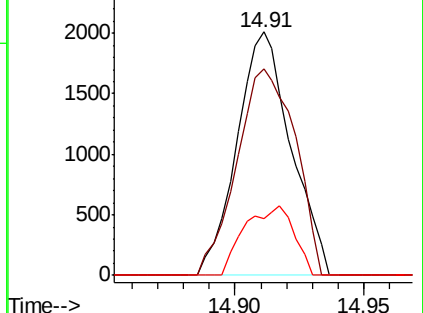
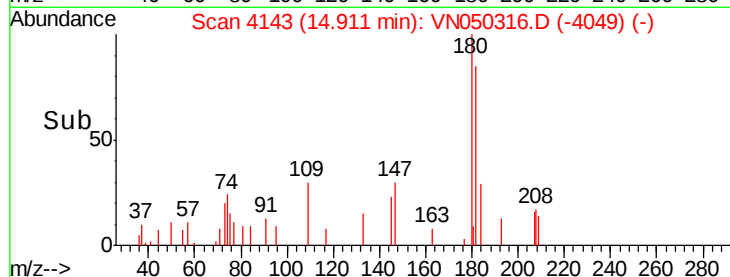
145 26.0 13.8 41.4



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: 0.21 ug/l

RT: 15.01 min Scan# 4173

Delta R.T. -0.01 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

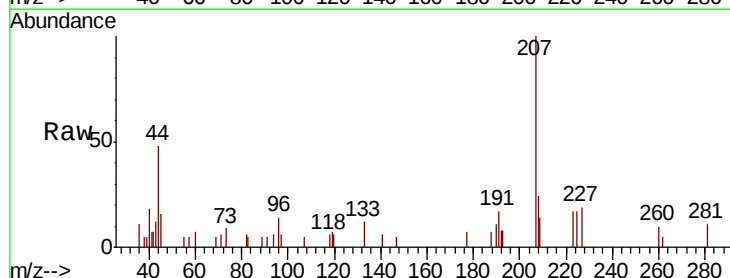
Tgt Ion:225 Resp: 979

Ion Ratio Lower Upper

225 100

223 88.3 31.4 94.2

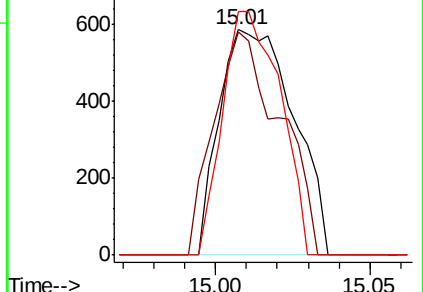
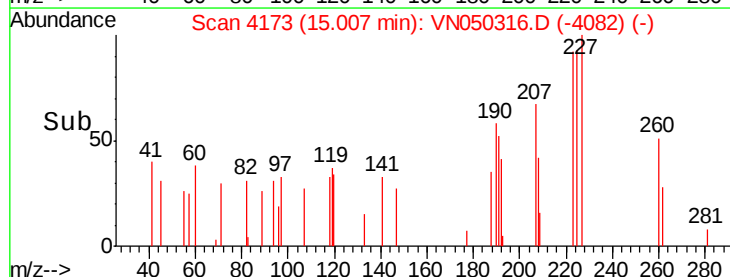
227 84.0 32.1 96.5

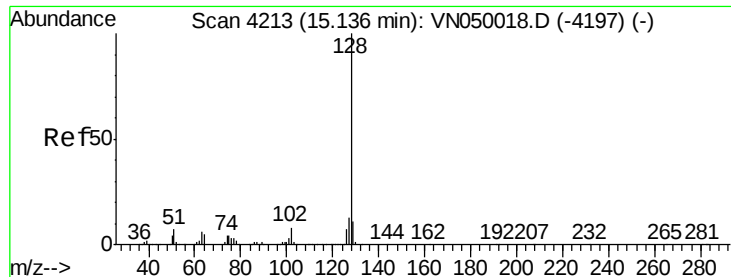


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.84 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#01

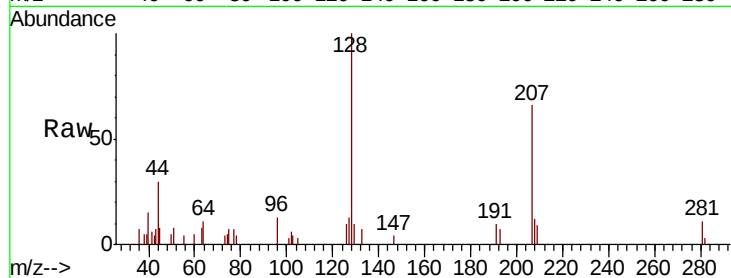
Tot Ion:128 Resp: 8711

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

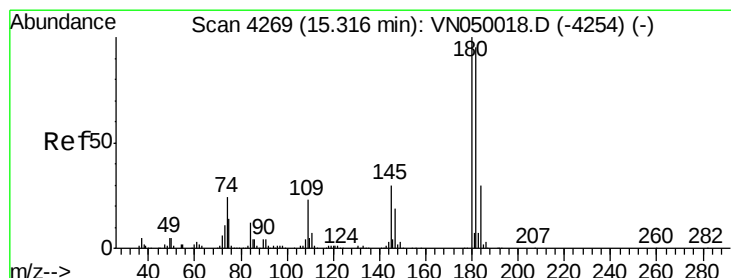
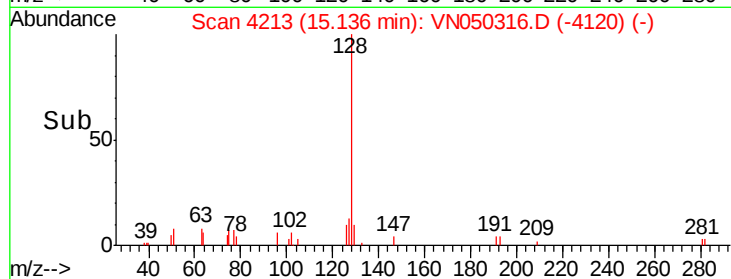
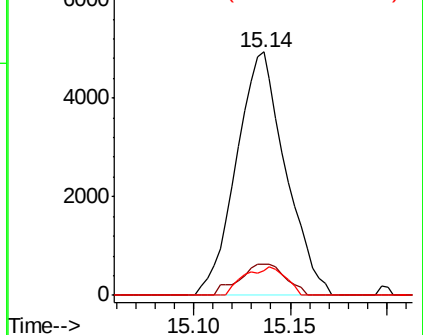
129 9.7 8.8 13.2



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: 2.61 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050316.D

Acq: 3 Aug 2018 16:37

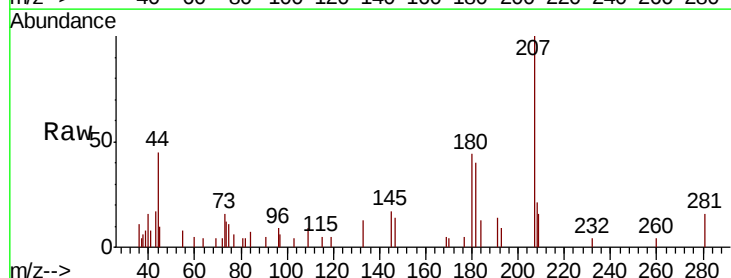
Tgt Ion:180 Resp: 3254

Ion Ratio Lower Upper

180 100

182 89.5 48.1 144.4

145 32.5 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

