

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050270.D
 Acq On : 2 Aug 2018 17:49
 Operator : MD\SY
 Sample : PB111674ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111674ZHE#08

Quant Time: Aug 03 01:15:16 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	635430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1075772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	877015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287136	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	459642	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	7.59	113	408956	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	10.09	98	1430973	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	
62) 4-Bromofluorobenzene	12.40	95	369115	34.71	ug/l	0.00
Spiked Amount			Recovery	=	69.42%	

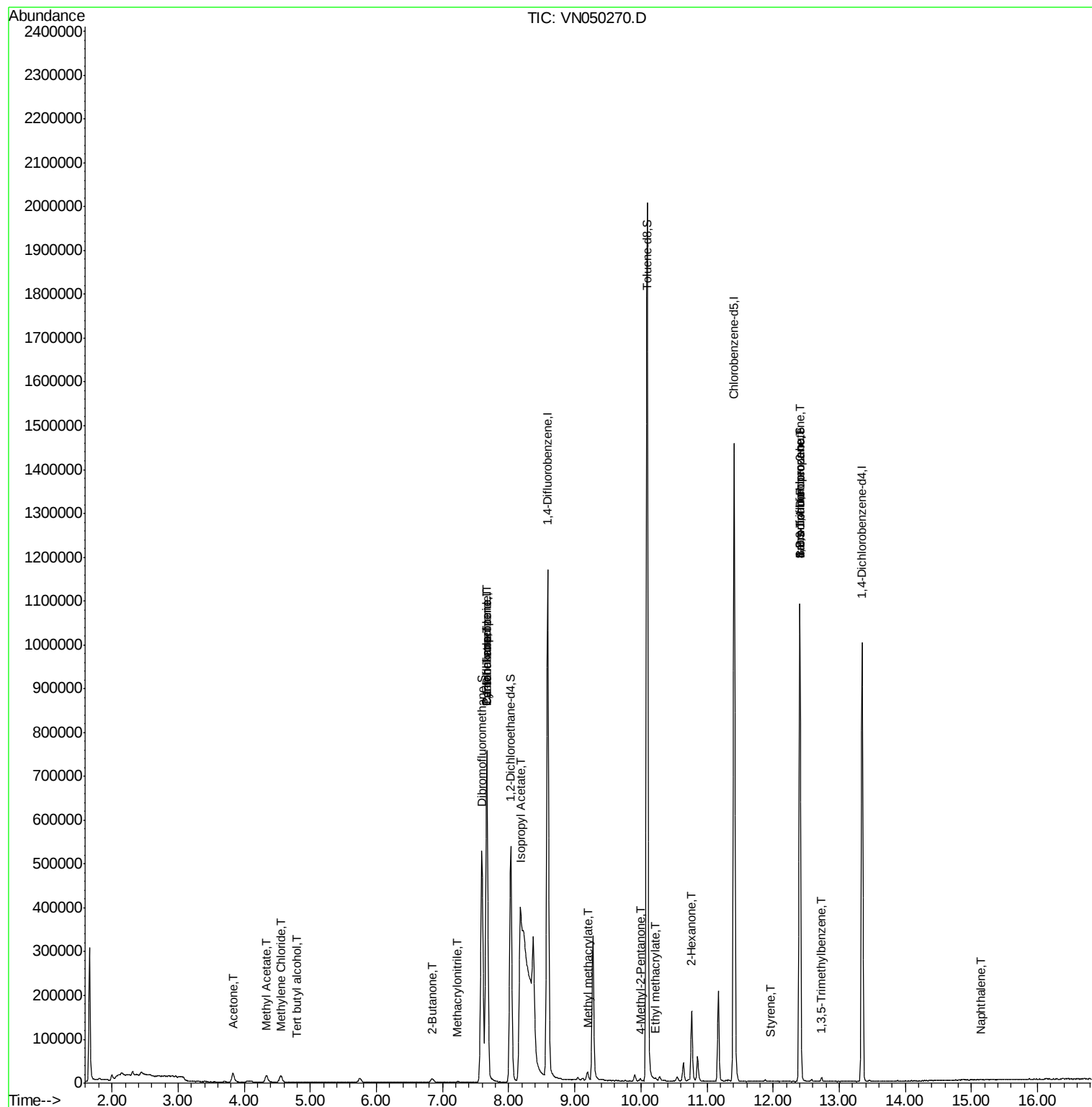
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	694	Below Cal		98
11) Tert butyl alcohol	4.81	59	281	0.43 ug/l	#	72
16) Acetone	3.83	43	34040	12.17 ug/l		99
18) Methyl Acetate	4.34	43	29937	2.13 ug/l		98
20) Methylene Chloride	4.55	84	11860	0.26 ug/l		97
25) 2-Butanone	6.85	43	6877	2.03 ug/l		92
31) Cyclohexane	7.67	56	12415	0.95 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	44151	3.64 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	57540	4.47 ug/l	#	18
41) Methacrylonitrile	7.23	41	863	2.93 ug/l	#	25
43) Isopropyl Acetate	8.17	43	1249662	79.14 ug/l	#	71
48) Methyl methacrylate	9.18	41	10495	1.44 ug/l	#	23
51) 4-Methyl-2-Pentanone	9.99	43	3473	0.42 ug/l		92
56) Ethyl methacrylate	10.23	69	3220	2.29 ug/l	#	48
59) 2-Hexanone	10.77	43	23213	8.90 ug/l	#	59
70) Styrene	11.97	104	301	0.94 ug/l	#	53
71) Bromoform	12.40	173	3043	0.49 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	220	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	179031	33.55 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.73	105	3898	0.22 ug/l		100
81) trans-1,4-Dichloro-2-buten	12.40	75	179031	106.42 ug/l	#	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	29	Below Cal	#	1
95) Naphthalene	15.14	128	825	4.47 ug/l	#	69

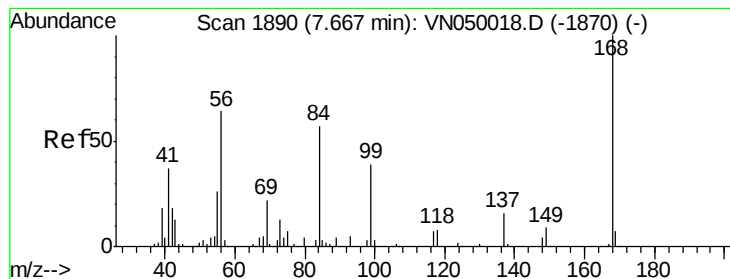
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 03 01:15:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

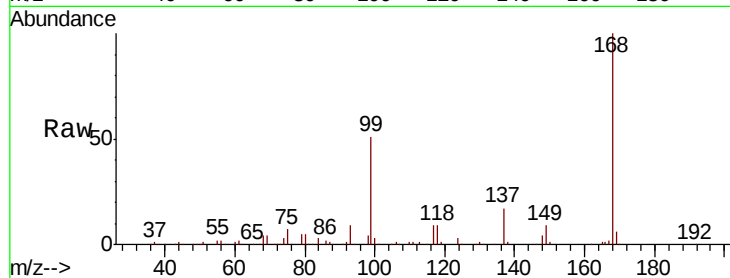
PB111674ZHE#08

Tot Ion:168 Resp: 635430

Ion Ratio Lower Upper

168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

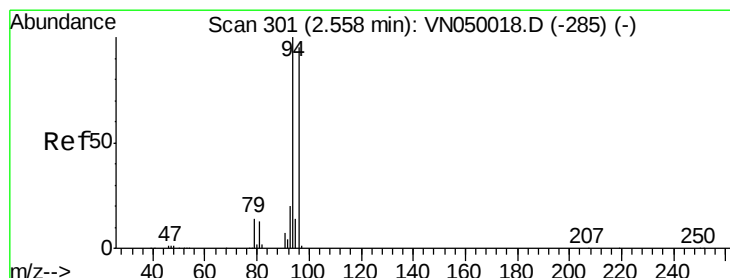
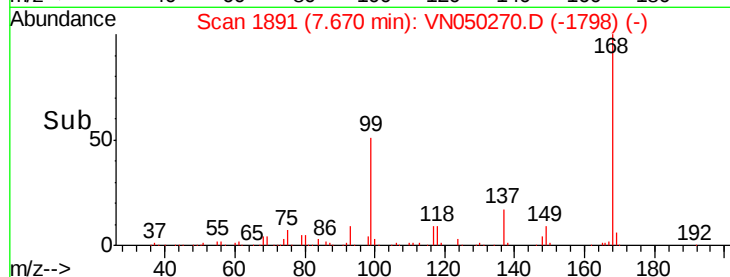
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050270.D

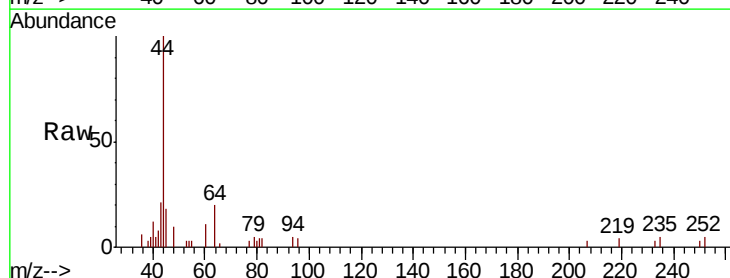
Acq: 2 Aug 2018 17:49

Tgt Ion: 94 Resp: 694

Ion Ratio Lower Upper

94 100

96 91.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

400

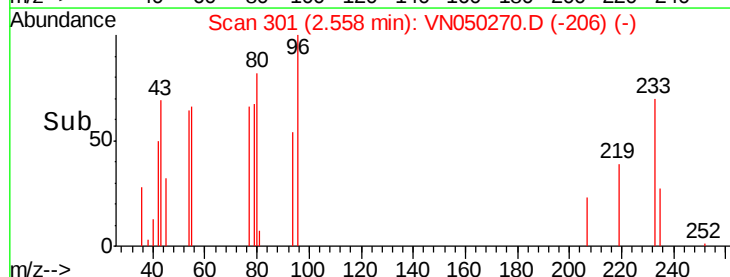
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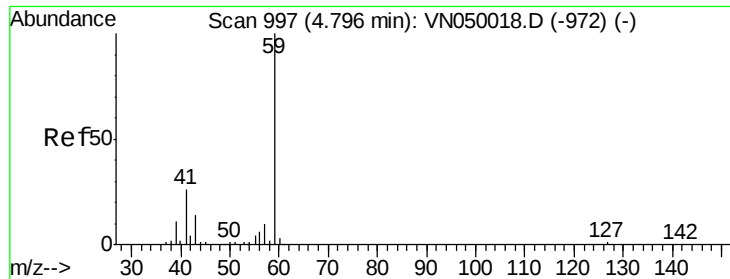
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100

0

Time-->

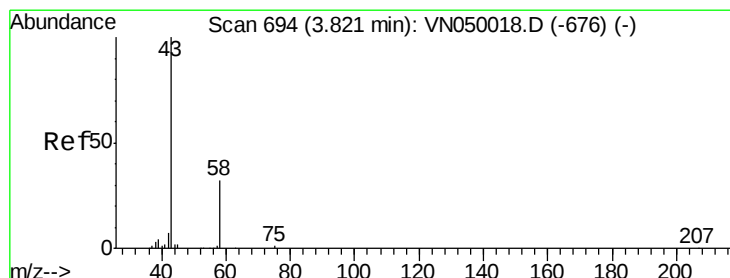
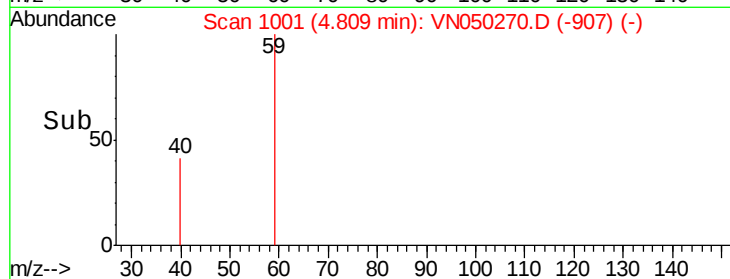
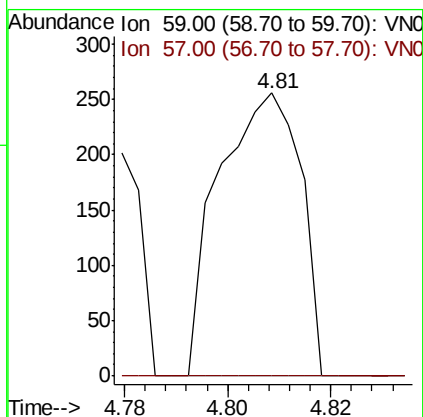
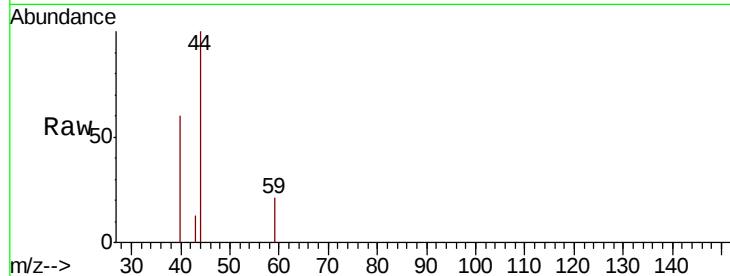




#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

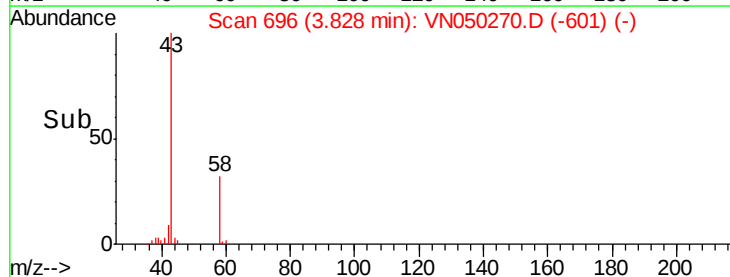
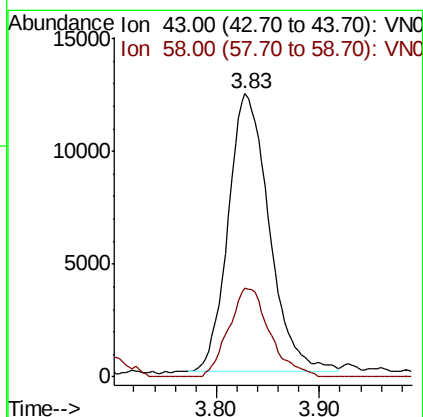
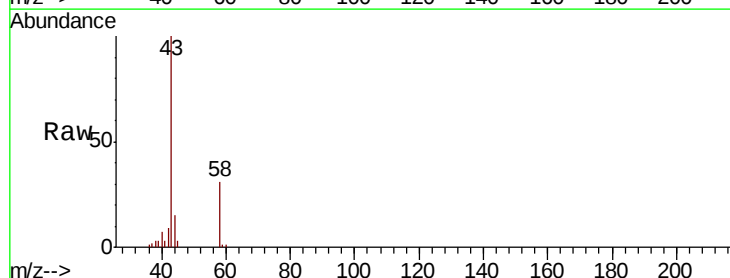
Instrument :
MSVOA_N
ClientSampleId :
PB111674ZHE#08

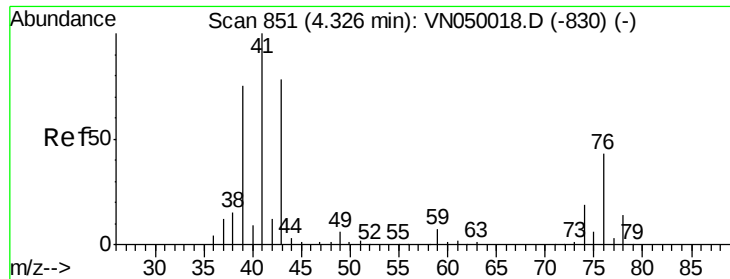
Tot Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 12.17 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

Tgt Ion: 43 Resp: 34040
Ion Ratio Lower Upper
43 100
58 32.0 25.8 38.8

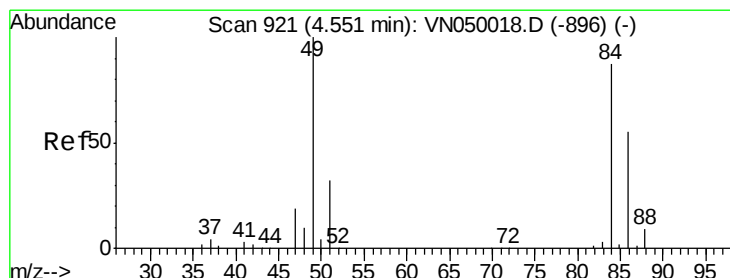
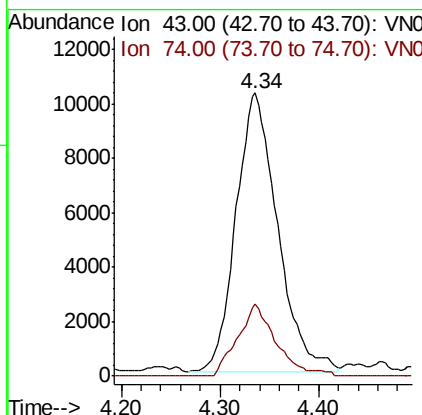
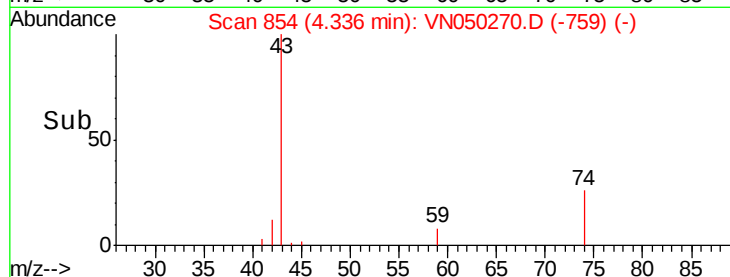
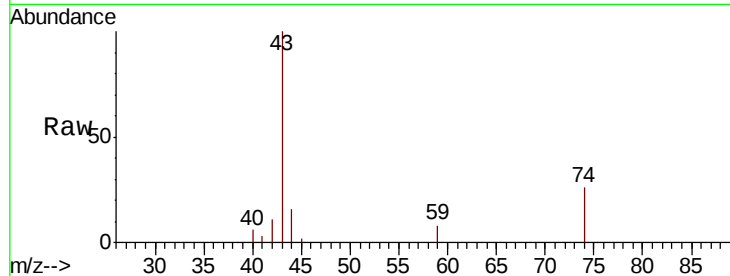




#18
Methyl Acetate
Concen: 2.13 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

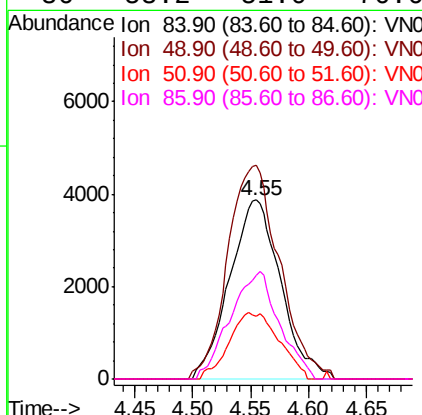
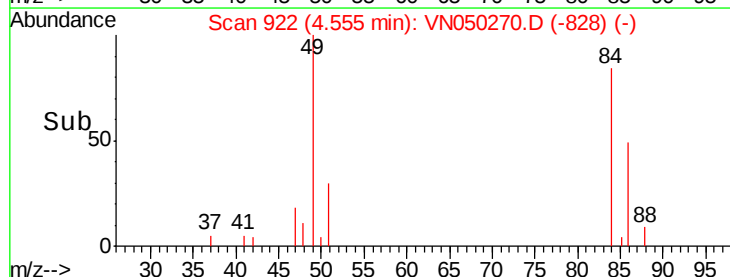
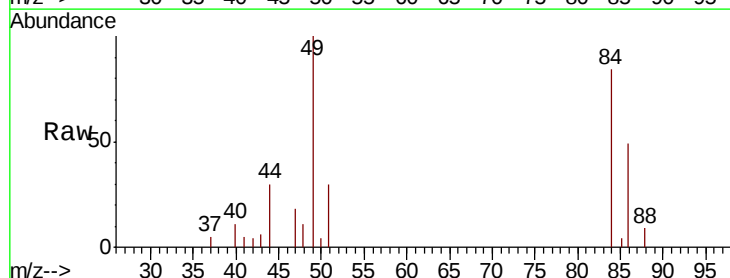
Instrument :
MSVOA_N
ClientSampleId :
PB111674ZHE#08

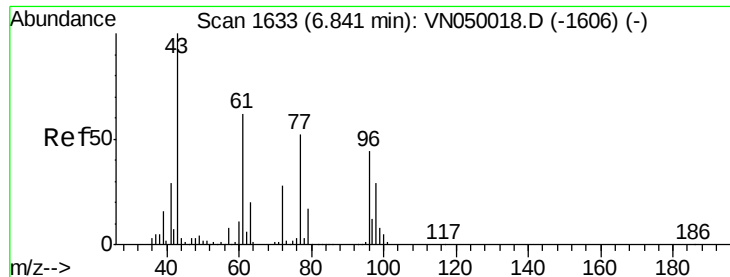
Tot Ion: 43 Resp: 29937
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8



#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

Tgt Ion: 84 Resp: 11860
Ion Ratio Lower Upper
84 100
49 119.5 94.8 142.2
51 35.3 28.3 42.5
86 58.2 51.0 76.6

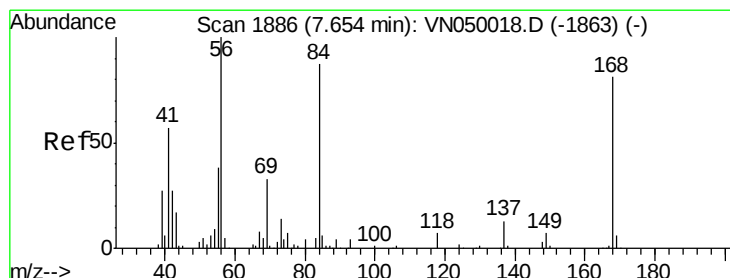
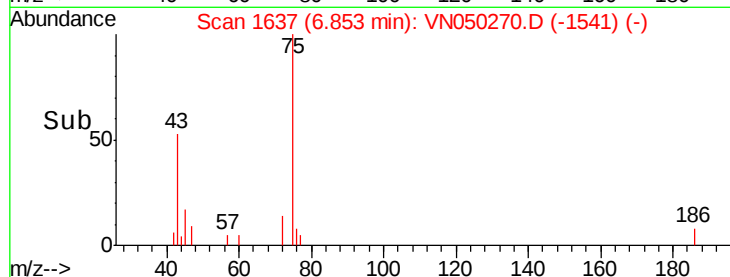
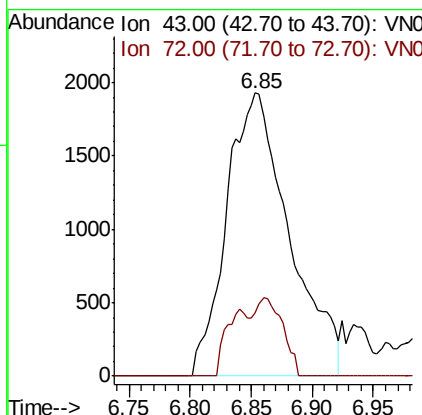
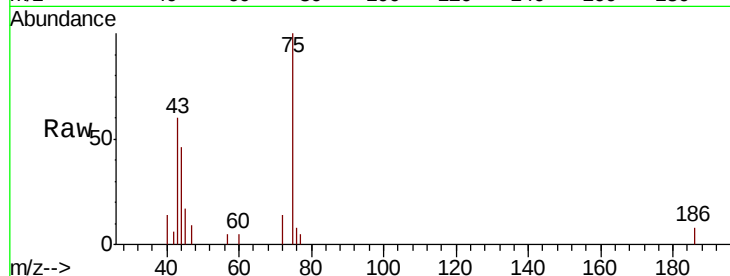




#25
2-Butanone
Concen: 2.03 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

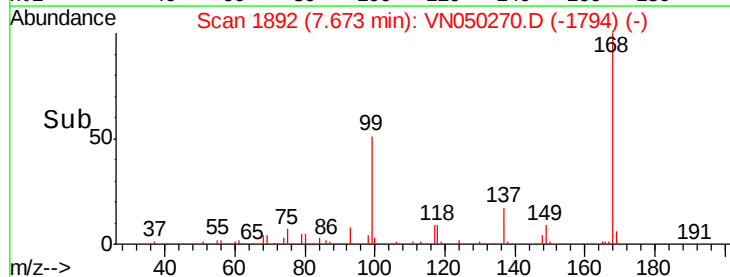
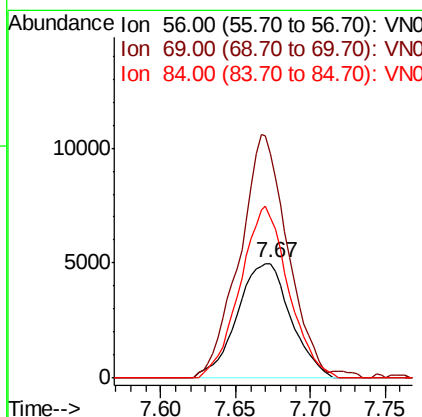
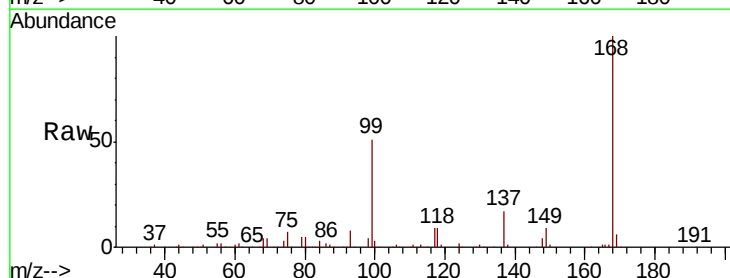
Instrument :
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ClientSampleId :
PB111674ZHE#08

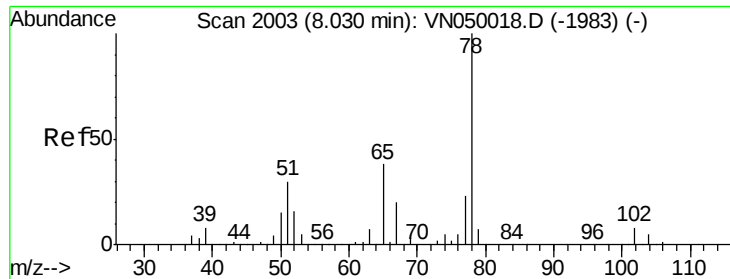
Tot Ion: 43 Resp: 6877
Ion Ratio Lower Upper
43 100
72 22.5 21.5 32.3



#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.67 min Scan# 1892
Delta R.T. 0.02 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

Tgt Ion: 56 Resp: 12415
Ion Ratio Lower Upper
56 100
69 196.5 26.2 39.4#
84 140.3 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 51.84 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

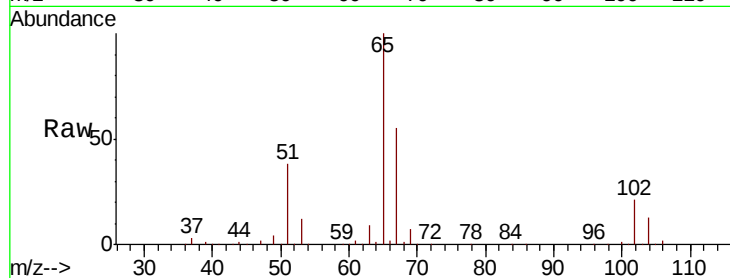
PB111674ZHE#08

Tot Ion: 65 Resp: 459642

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

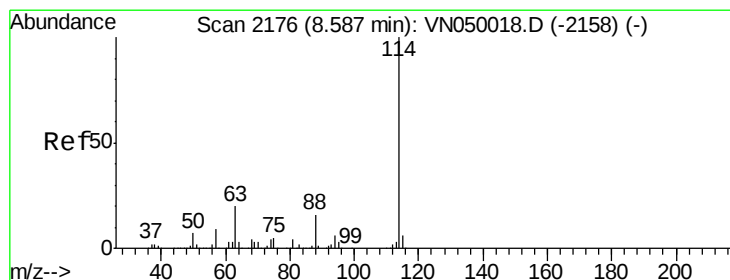
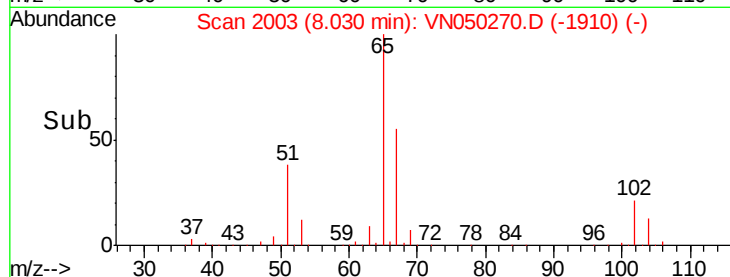
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

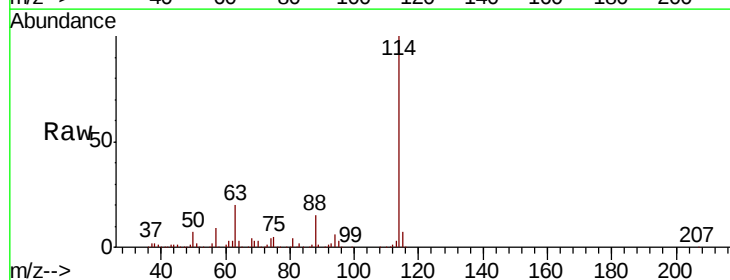
Tgt Ion: 114 Resp: 1075772

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

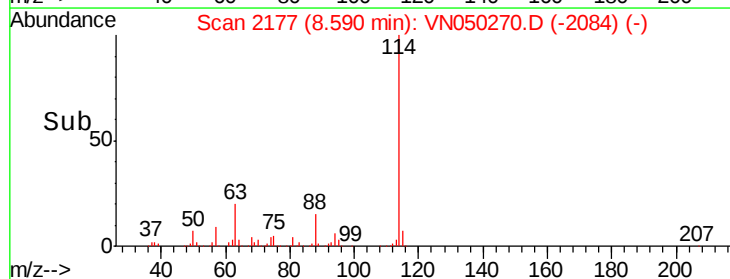
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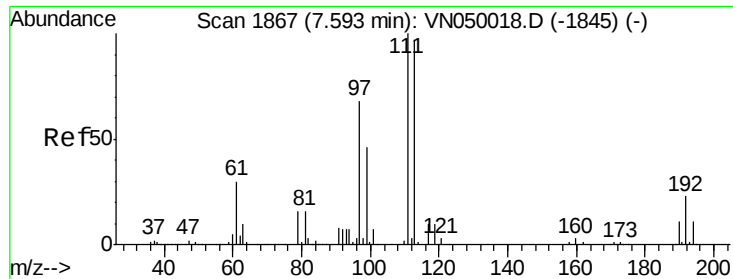
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Time-->

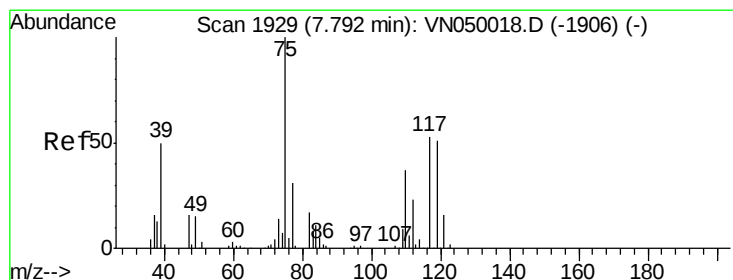
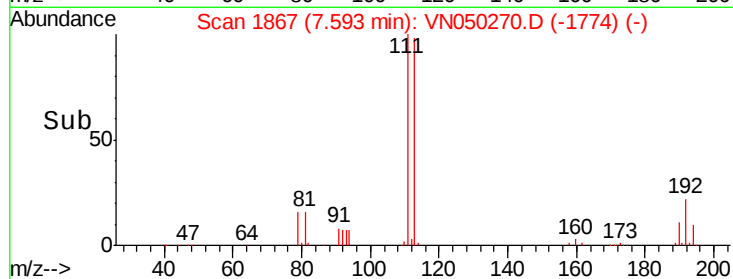
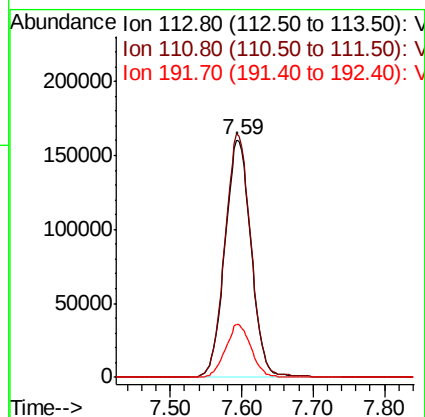
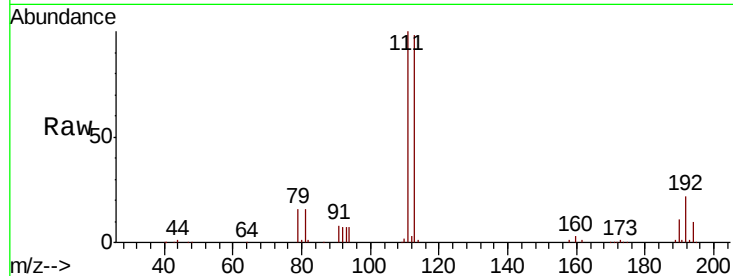




#35
Dibromofluoromethane
Concen: 46.56 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

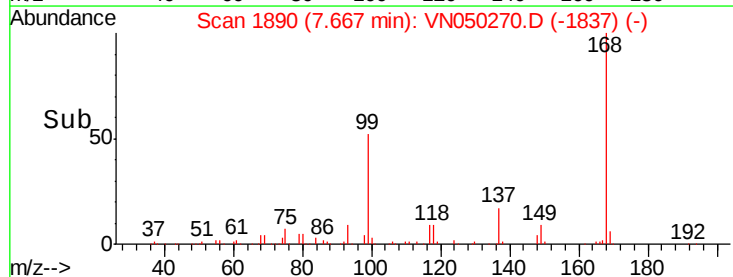
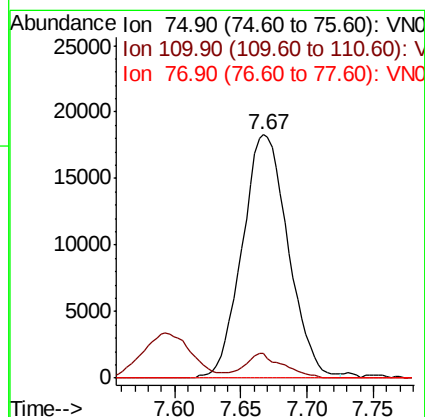
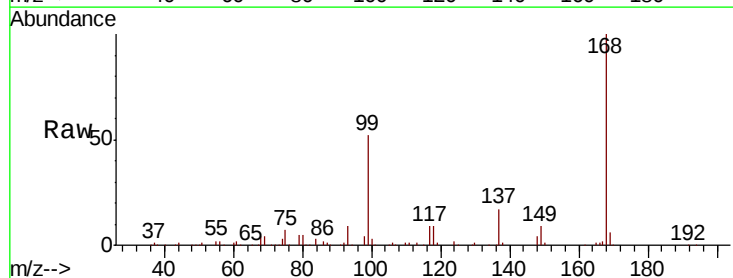
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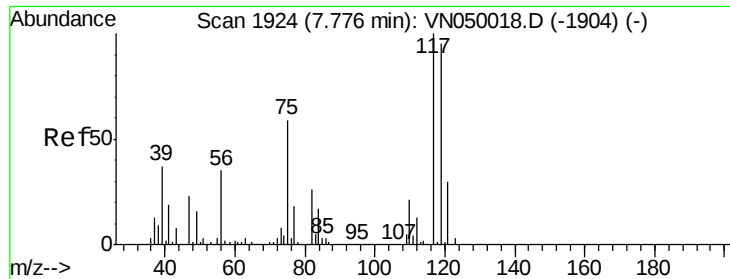
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.7	121.1
192	21.8	17.8	26.6



#36
1,1-Dichloropropene
Concen: 3.64 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

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





#38

Carbon Tetrachloride

Concen: 4.47 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB111674ZHE#08

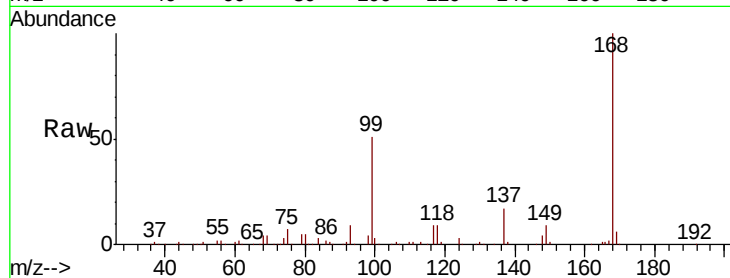
Tot Ion:117 Resp: 57540

Ion Ratio Lower Upper

117 100

119 7.7 77.4 116.0#

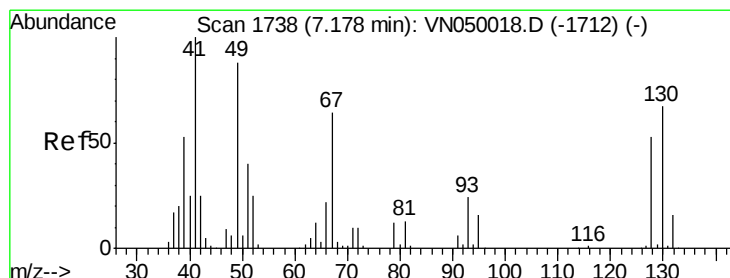
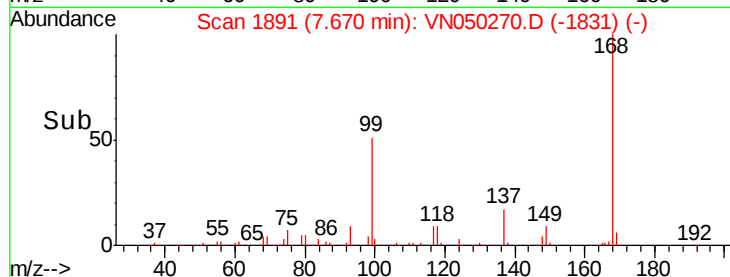
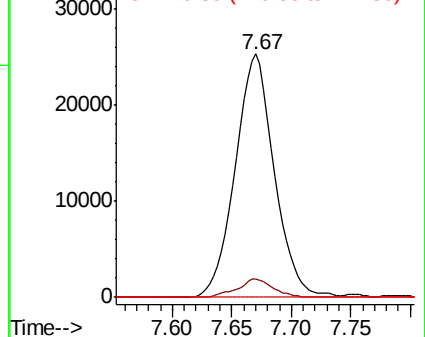
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.93 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.05 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Tgt Ion: 41 Resp: 863

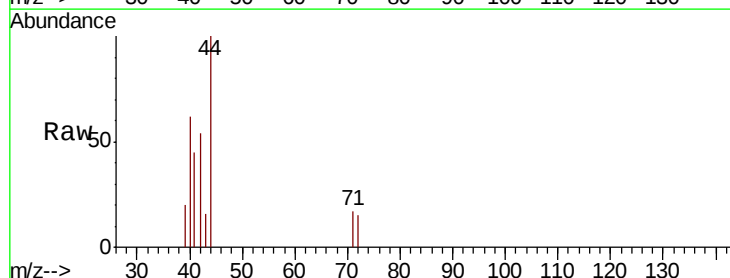
Ion Ratio Lower Upper

41 100

39 38.5 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

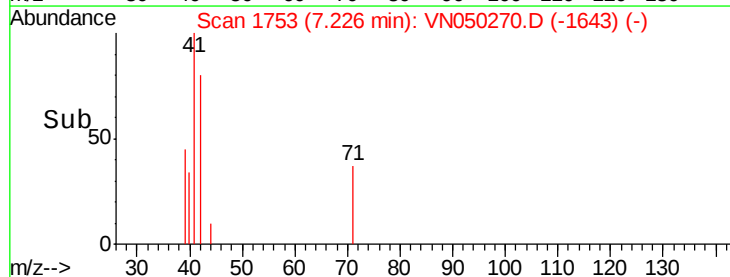
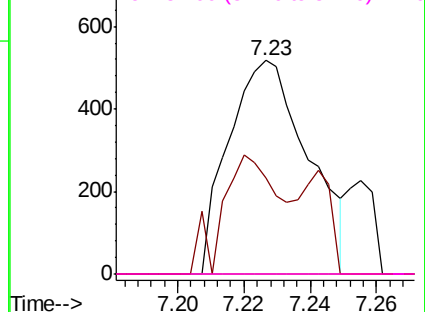


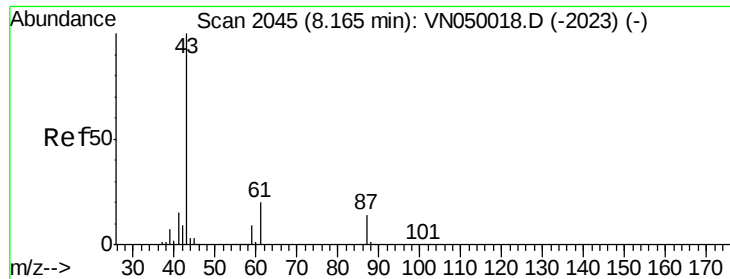
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



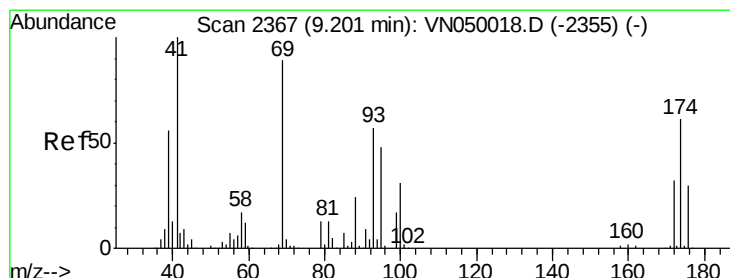
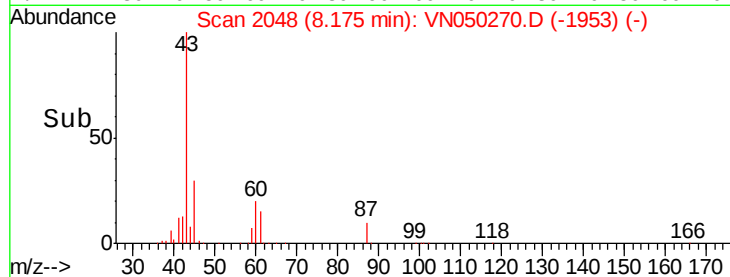
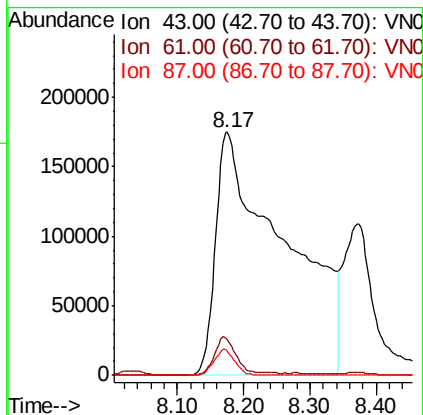
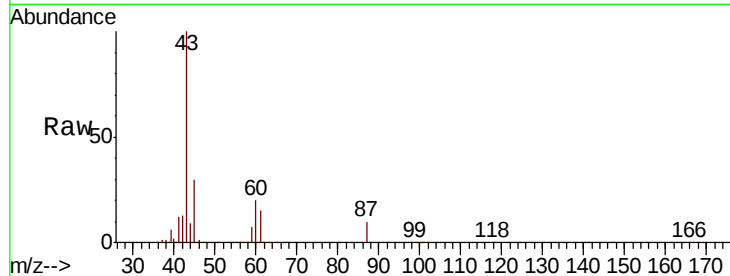


#43

Isopropyl Acetate
 Concen: 79.14 ug/l
 RT: 8.17 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VN050270.D
 Acq: 2 Aug 2018 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111674ZHE#08

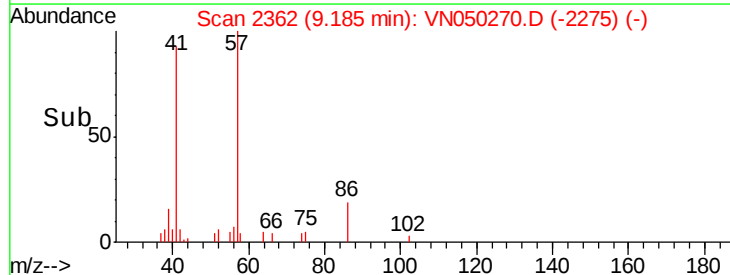
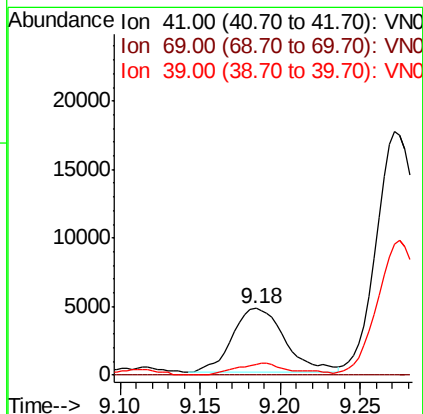
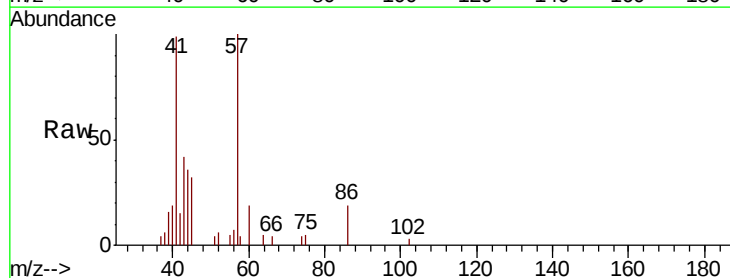
Tot Ion: 43 Resp: 1249662
 Ion Ratio Lower Upper
 43 100
 61 5.0 15.8 23.6#
 87 3.3 10.3 15.5#

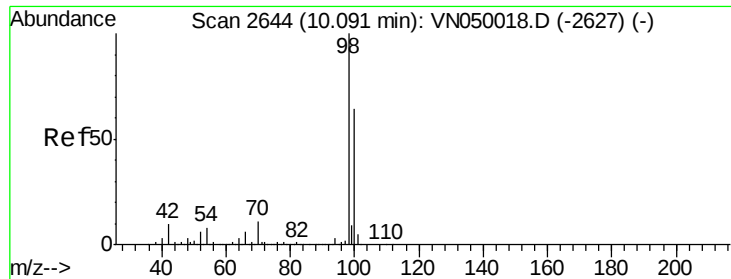


#48

Methyl methacrylate
 Concen: 1.44 ug/l
 RT: 9.18 min Scan# 2362
 Delta R.T. -0.02 min
 Lab File: VN050270.D
 Acq: 2 Aug 2018 17:49

Tgt Ion: 41 Resp: 10495
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.6 105.8#
 39 19.7 43.9 65.9#

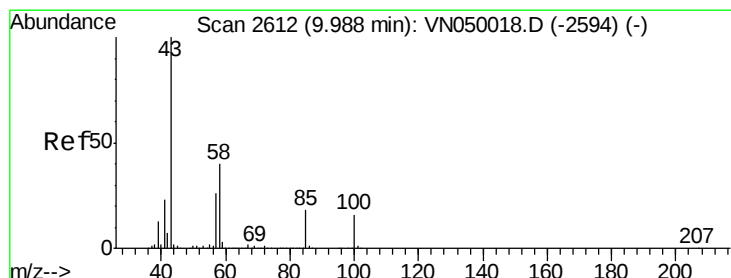
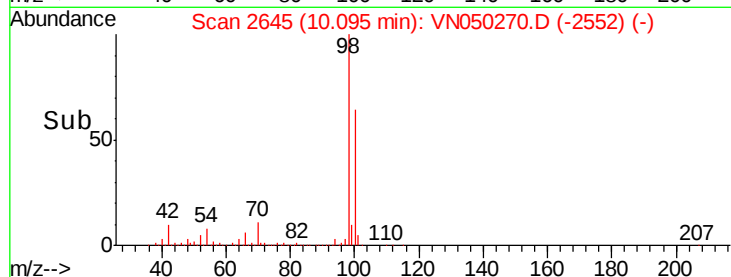
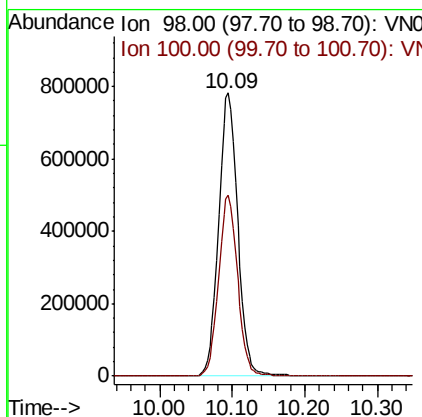
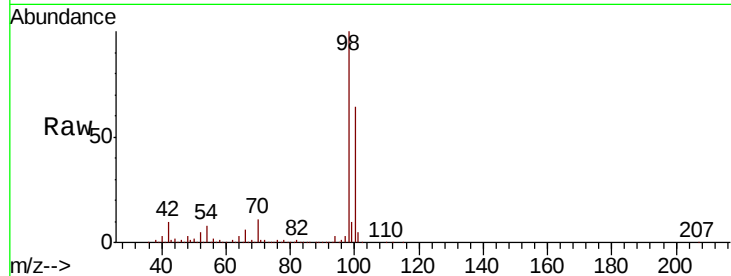




#50
Toluene-d8
Concen: 44.31 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

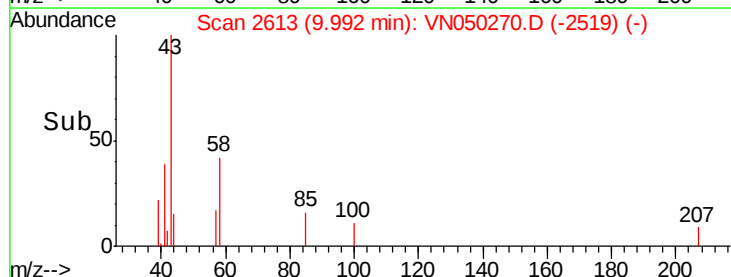
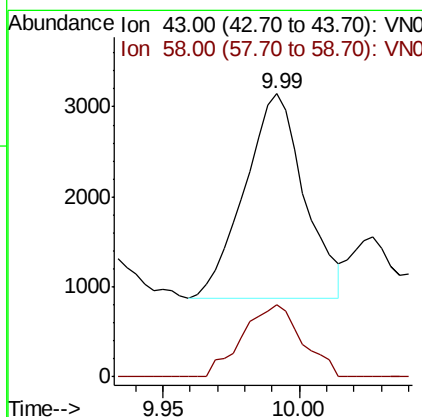
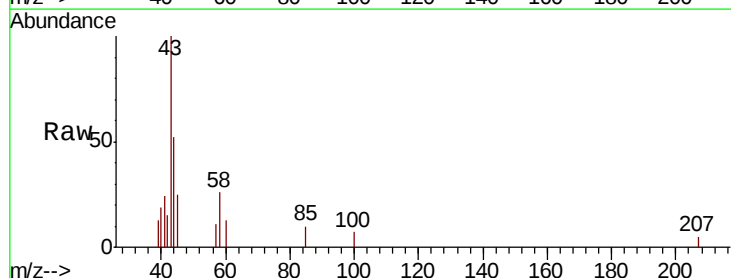
Instrument :
MSVOA_N
ClientSampleId :
PB111674ZHE#08

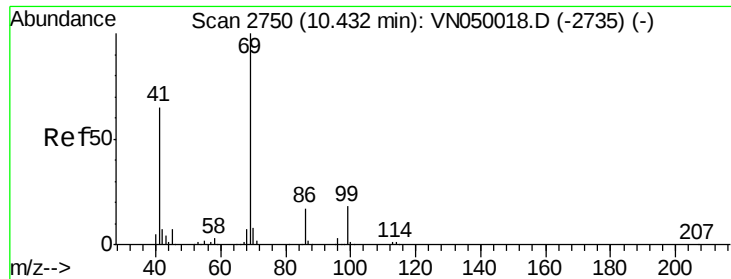
Tot Ion: 98 Resp: 1430973
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

Tgt Ion: 43 Resp: 3473
Ion Ratio Lower Upper
43 100
58 34.9 31.9 47.9





#56

Ethyl methacrylate

Concen: 2.29 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB111674ZHE#08

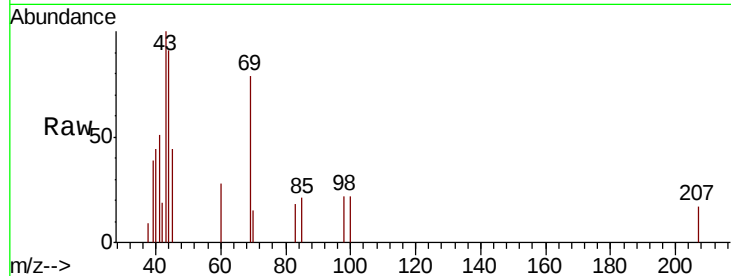
Tot Ion: 69 Resp: 3220

Ion Ratio Lower Upper

69 100

41 15.6 51.0 76.4#

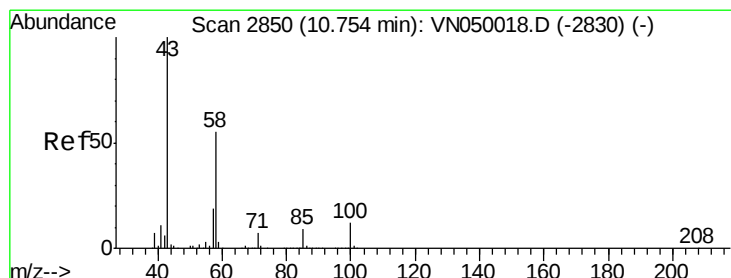
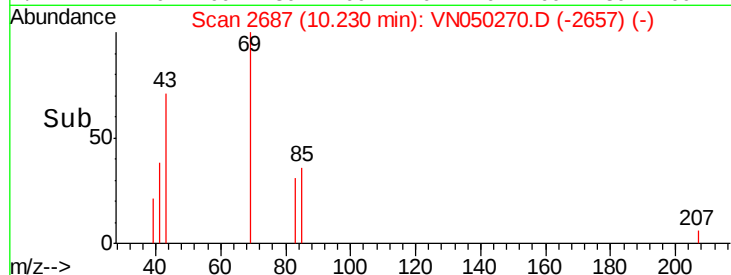
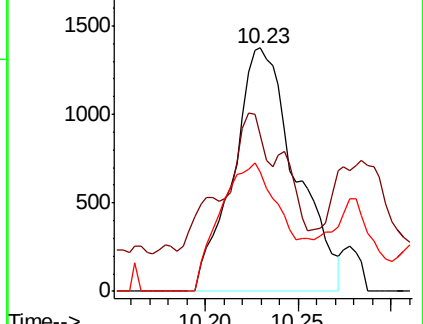
39 52.2 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 8.90 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050270.D

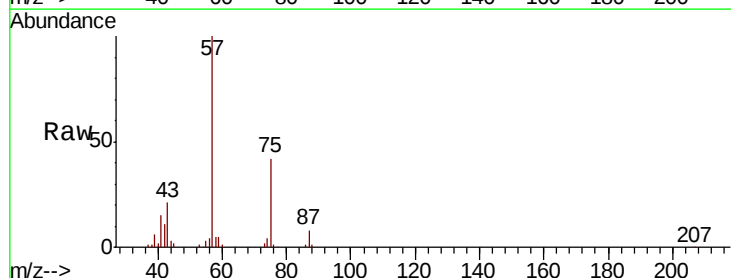
Acq: 2 Aug 2018 17:49

Tgt Ion: 43 Resp: 23213

Ion Ratio Lower Upper

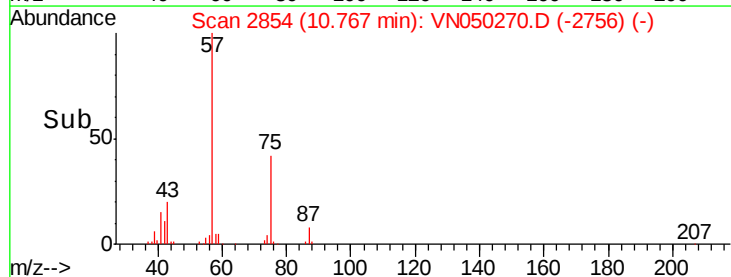
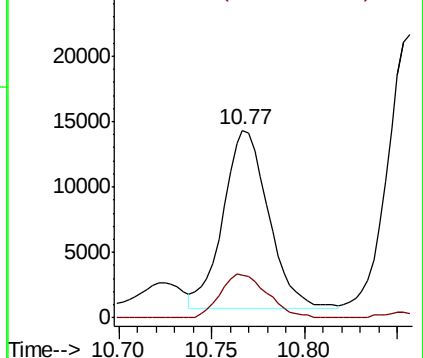
43 100

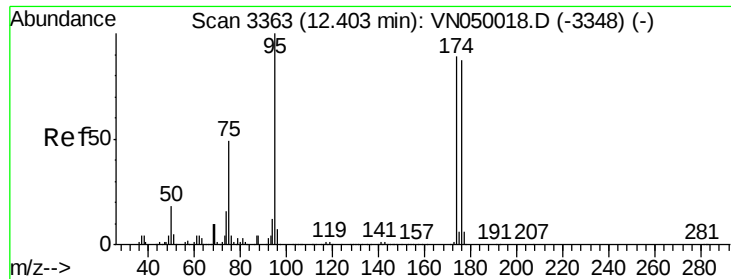
58 25.4 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

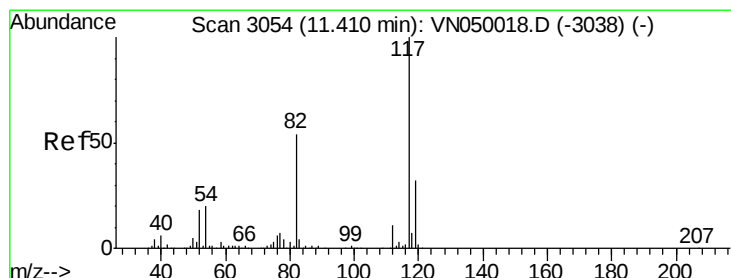
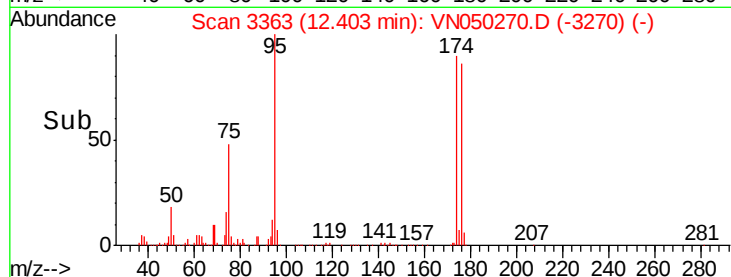
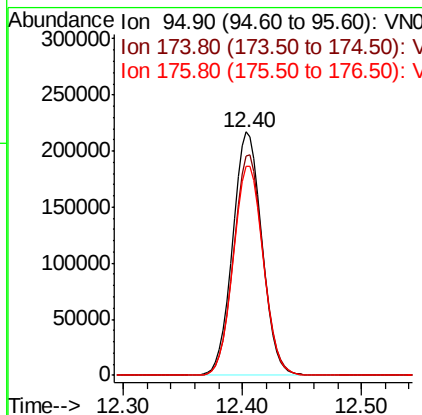
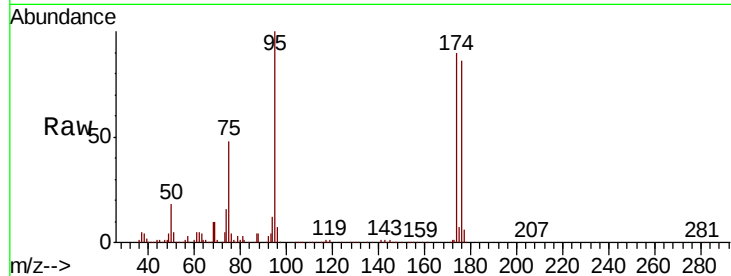




#62
4-Bromofluorobenzene
Concen: 34.71 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

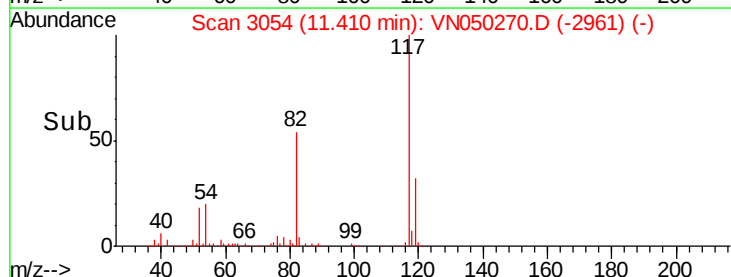
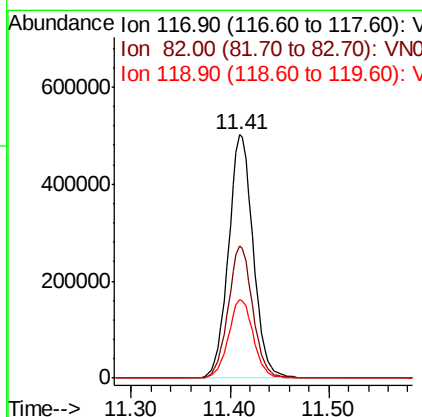
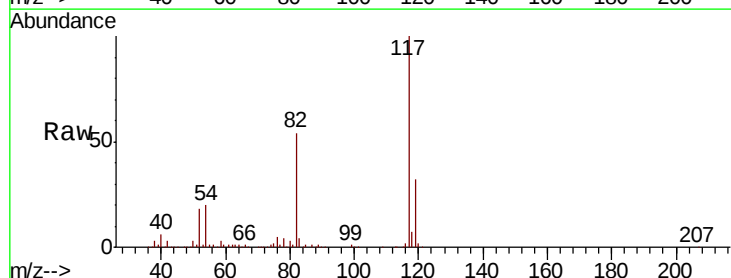
Instrument :
MSVOA_N
ClientSampleId :
PB111674ZHE#08

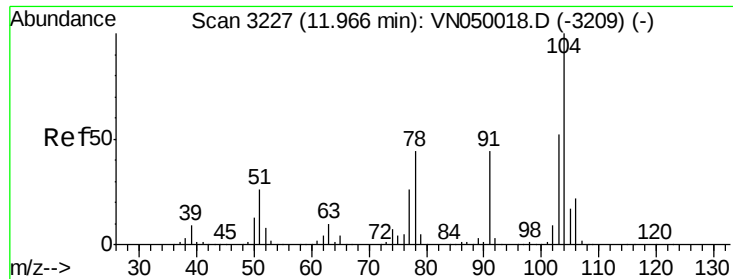
Tot Ion: 95 Resp: 369115
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 88.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

Tgt Ion: 117 Resp: 877015
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.1 26.1 39.1

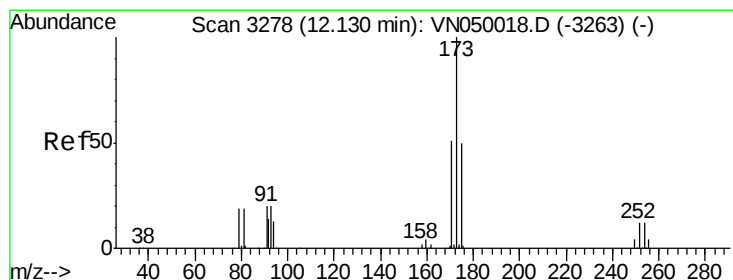
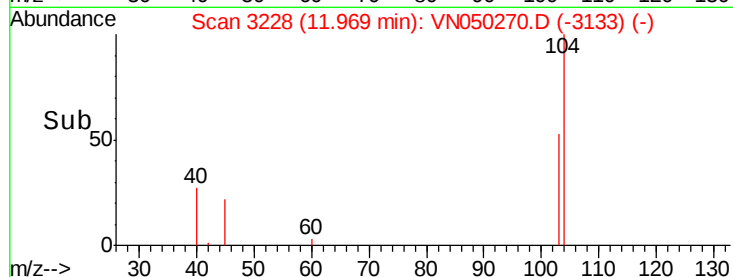
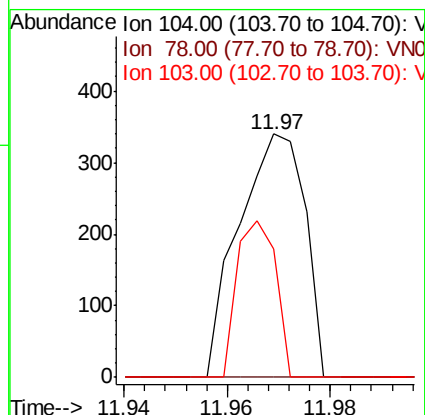
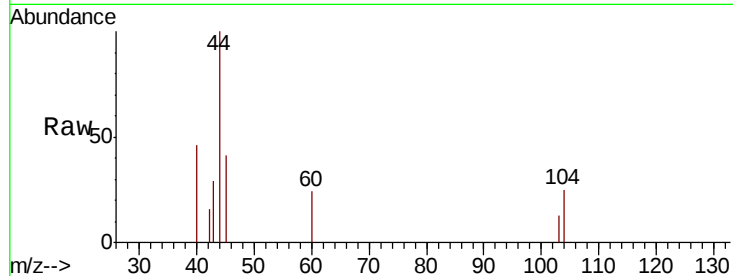




#70
Stvrene
Concen: 0.94 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

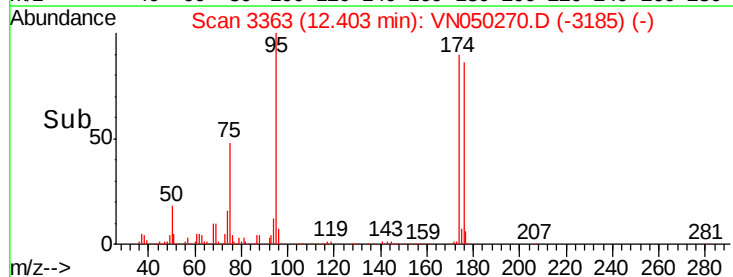
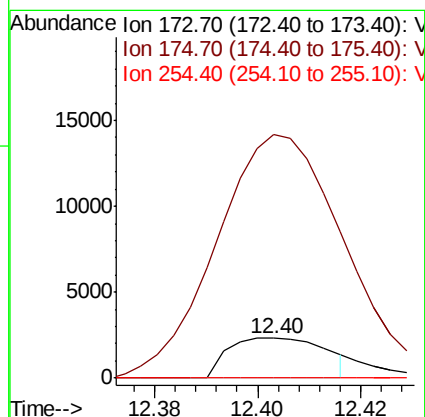
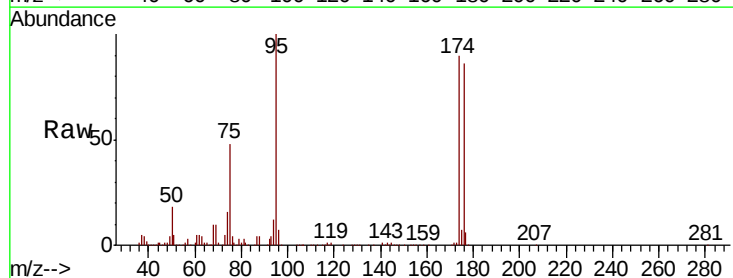
Instrument :
MSVOA_N
ClientSampleId :
PB111674ZHE#08

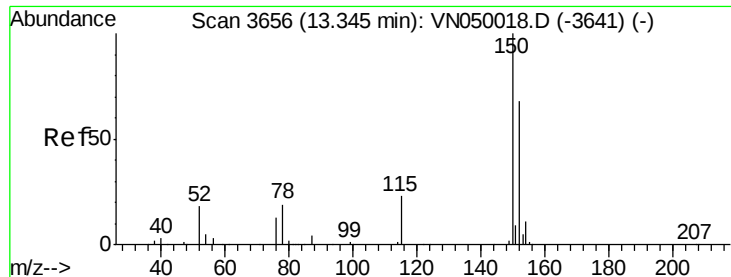
Tot Ion:104 Resp: 301
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 37.9 45.0 67.6#



#71
Bromoform
Concen: 0.49 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

Tgt Ion:173 Resp: 3043
Ion Ratio Lower Upper
173 100
175 695.1 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB111674ZHE#08

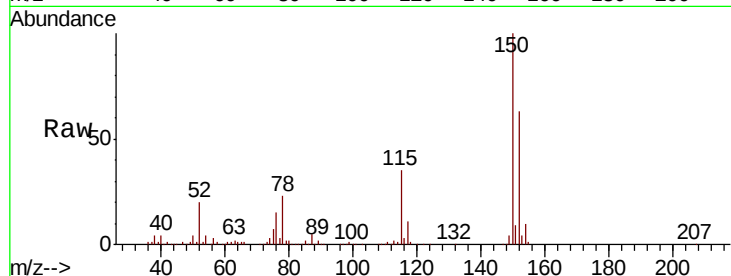
Tot Ion:152 Resp: 287136

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

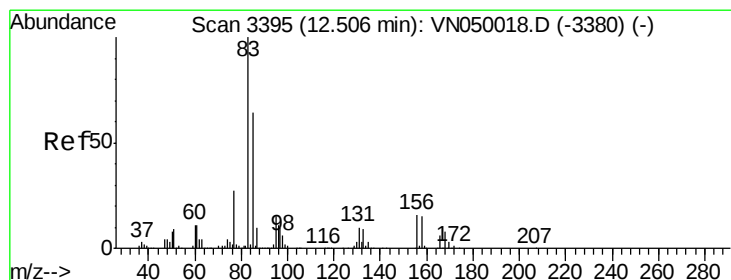
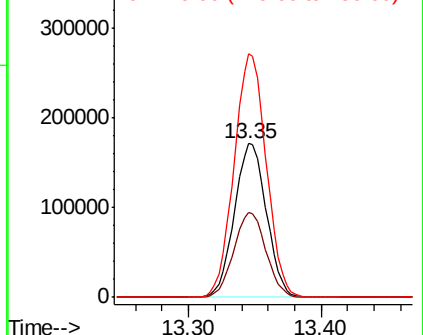
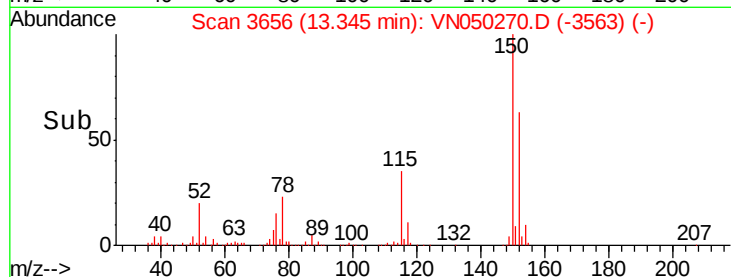
150 159.1 0.0 348.6



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: 12.41 min Scan# 3365

Delta R.T. -0.10 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

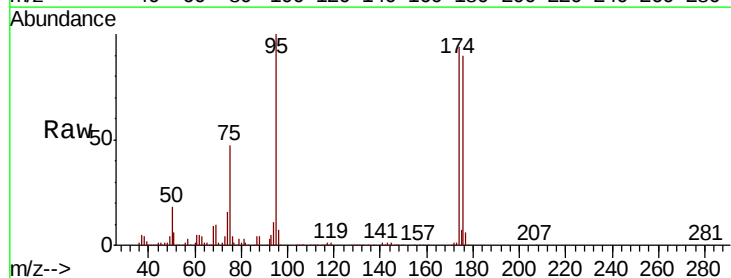
Tgt Ion: 83 Resp: 220

Ion Ratio Lower Upper

83 100

131 199.1 5.1 15.3#

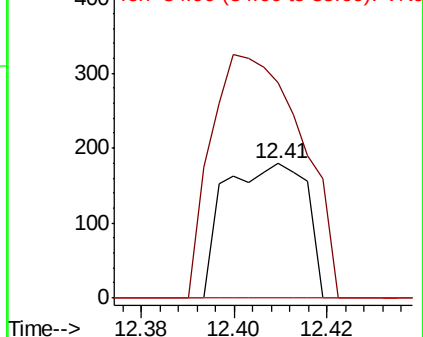
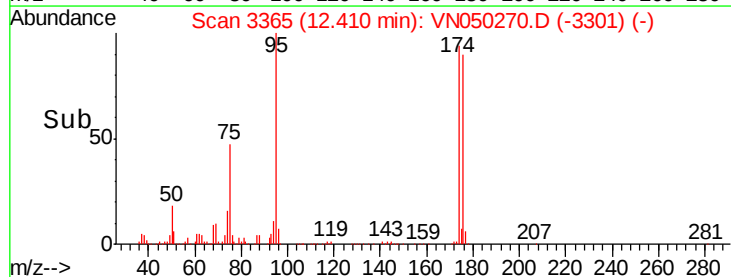
85 0.0 32.3 96.8#

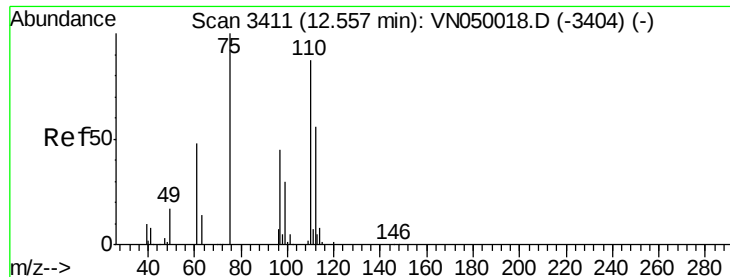


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

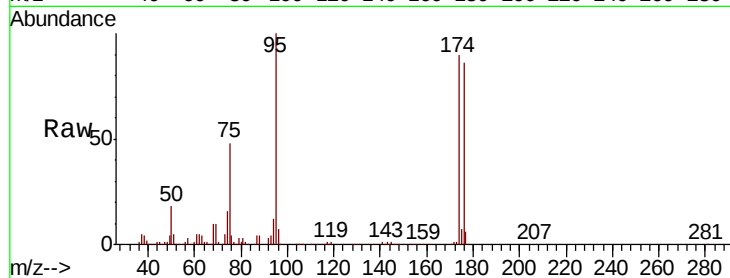
PB111674ZHE#08

Tot Ion: 75 Resp: 179031

Ion Ratio Lower Upper

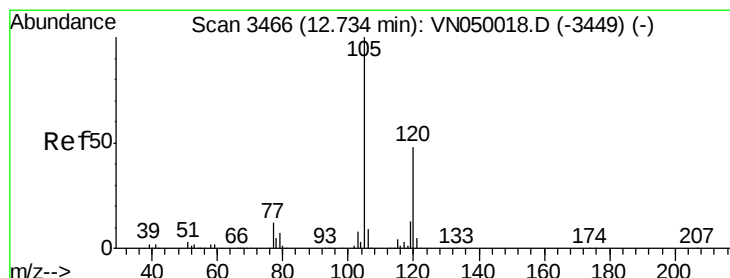
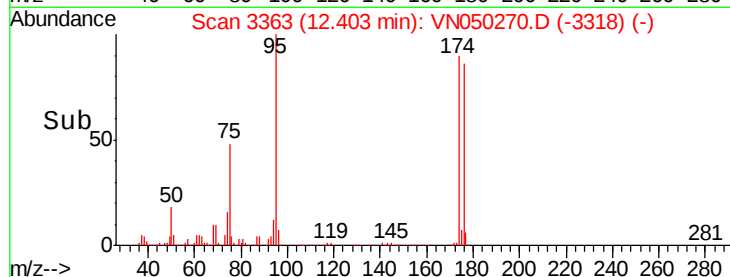
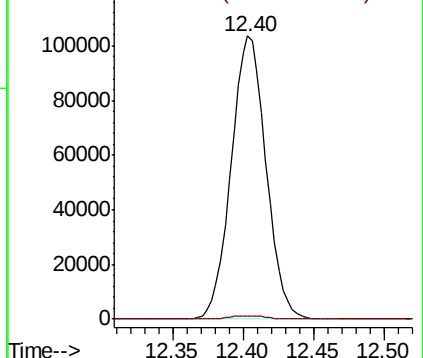
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050270.D

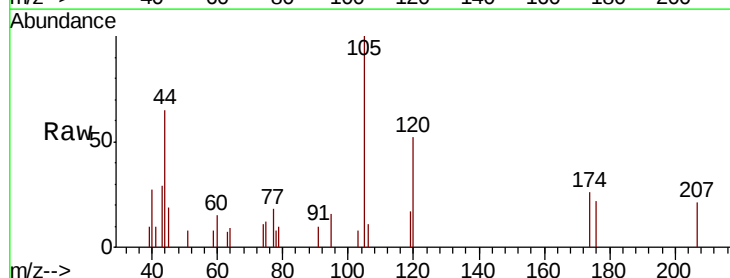
Acq: 2 Aug 2018 17:49

Tgt Ion: 105 Resp: 3898

Ion Ratio Lower Upper

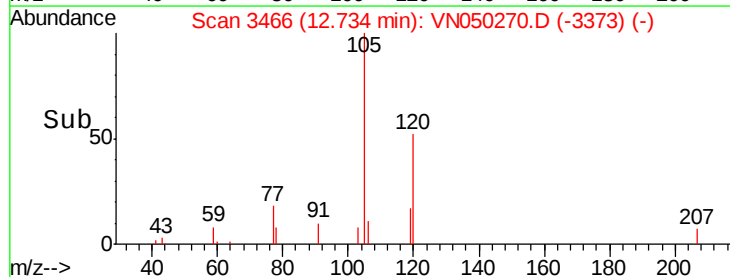
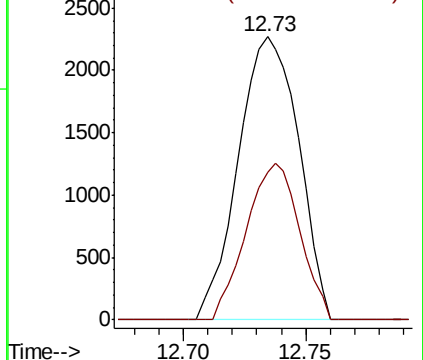
105 100

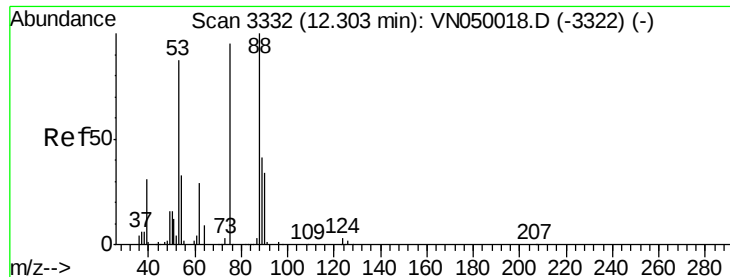
120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 106.42 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB111674ZHE#08

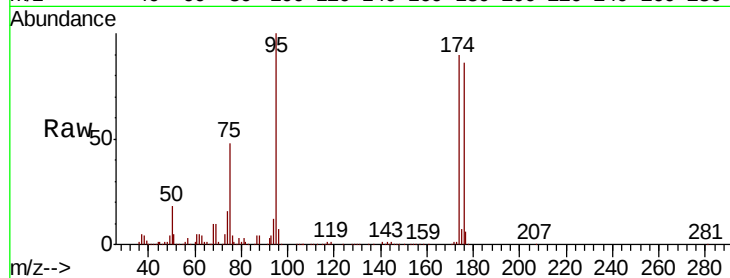
Tot Ion: 75 Resp: 179031

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

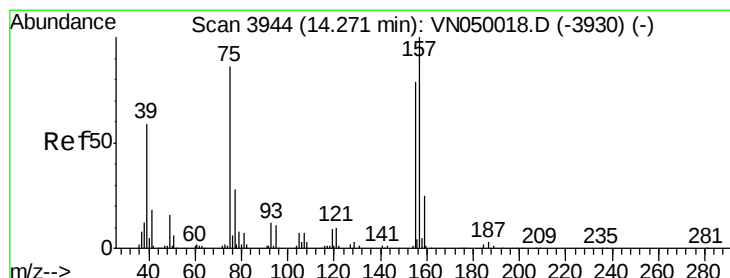
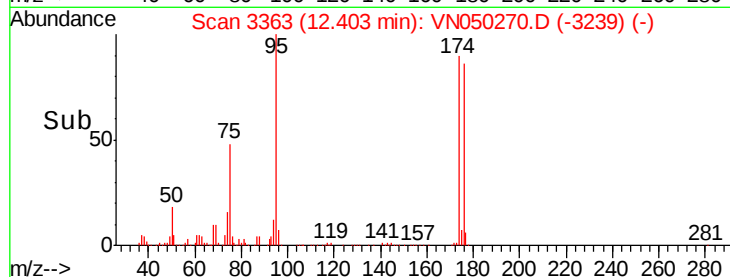
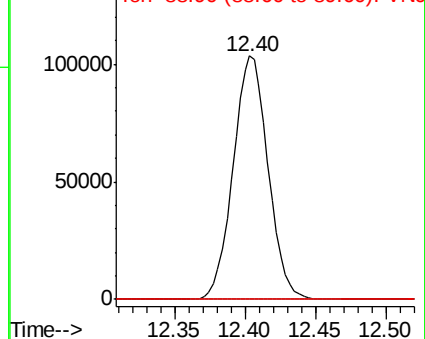
89 0.0 36.0 54.0#



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: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN050270.D

Acq: 2 Aug 2018 17:49

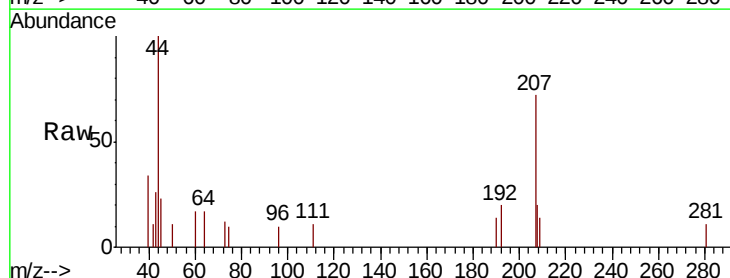
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

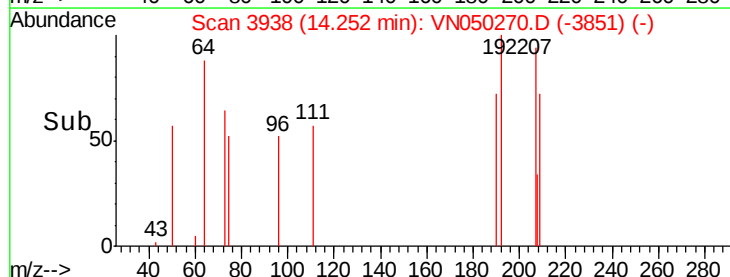
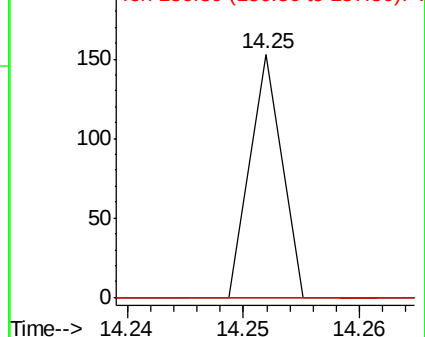
157 0.0 57.2 171.6#

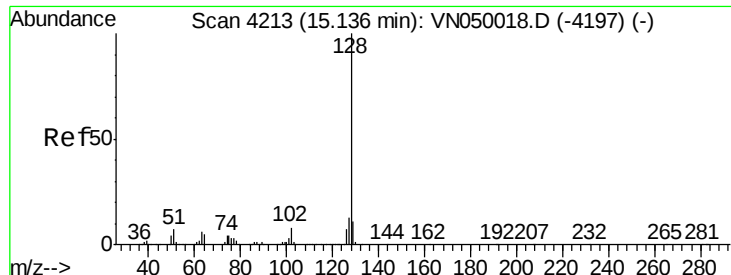


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

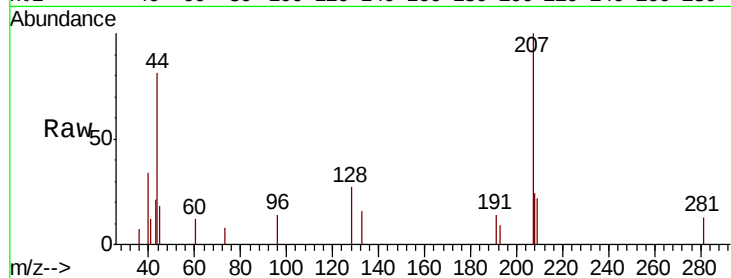




#95
Naphthalene
Concen: 4.47 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050270.D
Acq: 2 Aug 2018 17:49

Instrument :
MSVOA_N
ClientSampleId :
PB111674ZHE#08

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#



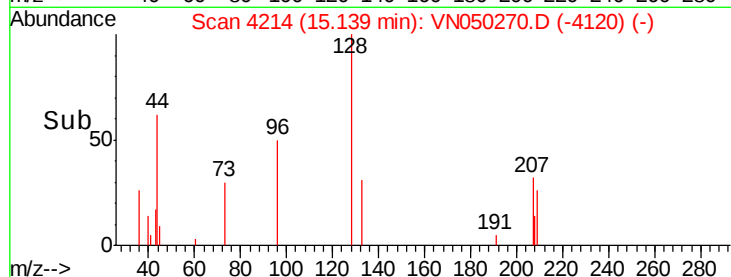
Abundance

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

15.14



Time-->