

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050114.D
 Acq On : 27 Jul 2018 5:19
 Operator : MD\SY
 Sample : J4184-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BS

Quant Time: Jul 27 07:57:18 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	825804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1297561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1153156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	555504	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	528575	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
35) Dibromofluoromethane	7.59	113	477023	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
50) Toluene-d8	10.09	98	1790794	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
62) 4-Bromofluorobenzene	12.40	95	599446	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	726	Below Cal		94
16) Acetone	3.83	43	11082	Below Cal		91
17) Carbon Disulfide	4.05	76	6019	0.21	ug/l	96
18) Methyl Acetate	4.33	43	6294	Below Cal	#	43
20) Methylene Chloride	4.56	84	3299	Below Cal	#	83
31) Cyclohexane	7.67	56	19222	1.14	ug/l	# 6
36) 1,1-Dichloropropene	7.67	75	57303	3.92	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	74852	4.83	ug/l	# 16
39) Methylcyclohexane	9.09	83	7922	0.53	ug/l	# 89
40) Benzene	8.05	78	1656787	37.24	ug/l	99
41) Methacrylonitrile	7.23	41	32	2.75	ug/l	# 28
42) 1,2-Dichloroethane	8.04	62	13315	0.90	ug/l	85
43) Isopropyl Acetate	8.26	43	248803	12.09	ug/l	# 61
52) Toluene	10.16	92	213631	8.14	ug/l	98
56) Ethyl methacrylate	10.43	69	308	2.05	ug/l	# 26
58) 2-Chloroethyl Vinyl ether	9.84	63	31	8.53	ug/l	# 48
59) 2-Hexanone	10.75	43	101	5.19	ug/l	# 24
67) Ethyl Benzene	11.51	91	1080550	23.09	ug/l	100
68) m/p-Xylenes	11.63	106	240406	13.58	ug/l	99
69) o-Xylene	11.95	106	205874	12.20	ug/l	99
70) Styrene	11.96	104	21518	1.63	ug/l	# 1
73) Isopropylbenzene	12.25	105	252232	5.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.47	83	51	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	287494	27.85	ug/l	# 100
77) Bromobenzene	12.55	156	250185	20.95	ug/l	# 1
78) n-propylbenzene	12.59	91	57010	1.18	ug/l	99
79) 2-Chlorotoluene	12.69	91	18085	0.61	ug/l	# 52
80) 1,3,5-Trimethylbenzene	12.73	105	46095	1.36	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	287494	88.33	ug/l	# 13
82) 4-Chlorotoluene	12.73	91	5978	0.20	ug/l	# 62
83) tert-Butylbenzene	13.04	119	28641	0.97	ug/l	# 52
84) 1,2,4-Trimethylbenzene	13.04	105	230269	6.74	ug/l	100
85) sec-Butylbenzene	13.04	105	230269	5.83	ug/l	# 56
86) p-Isopropyltoluene	13.29	119	18723	0.56	ug/l	96

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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

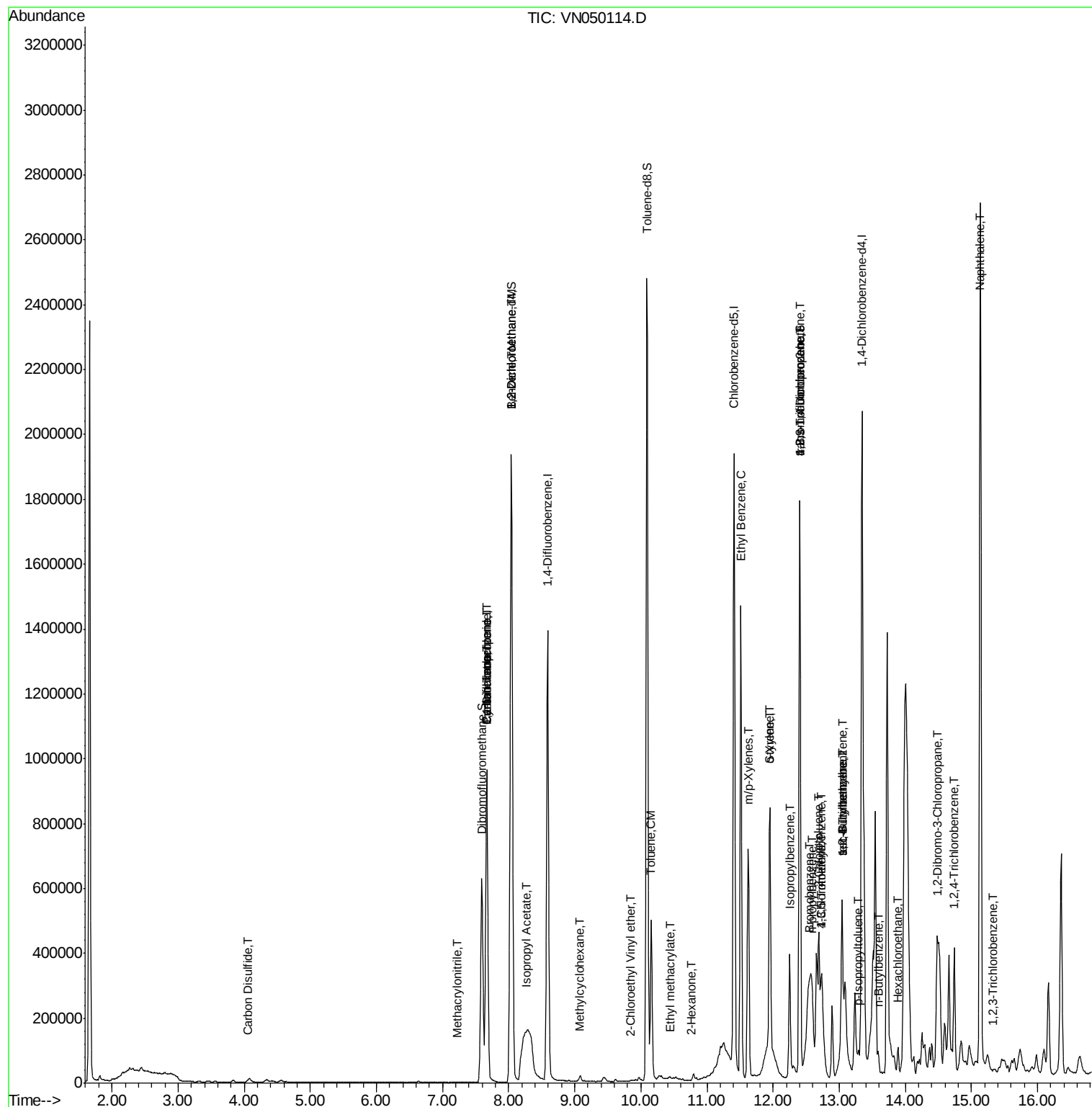
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.59	91	7442	0.27	ug/l #	1
90) Hexachloroethane	13.89	117	6281	0.85	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.50	75	15945	7.62	ug/l #	40
93) 1,2,4-Trichlorobenzene	14.75	180	63	3.09	ug/l #	1
95) Naphthalene	15.13	128	2357944	89.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	158	2.22	ug/l #	1

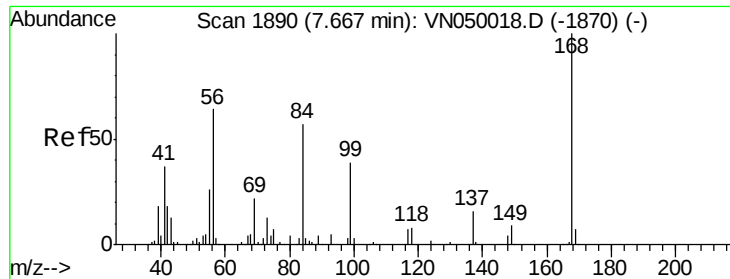
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampled :

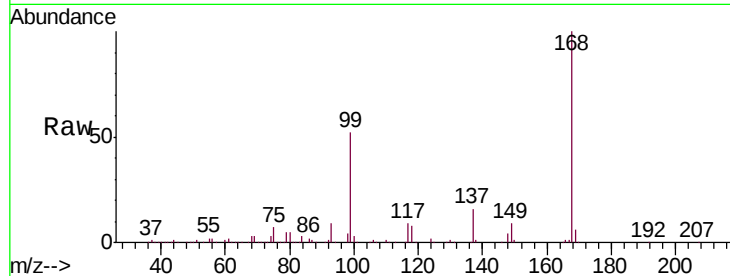
MW-7BS

Tot Ion:168 Resp: 825804

Ion Ratio Lower Upper

168 100

99 51.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

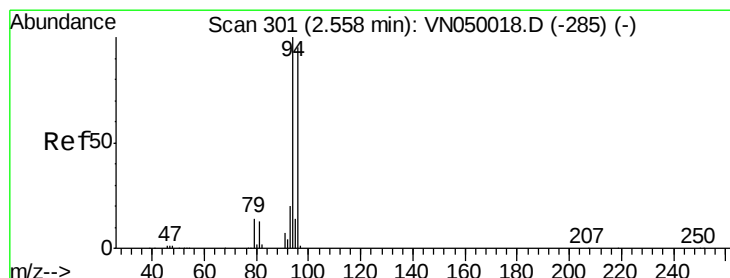
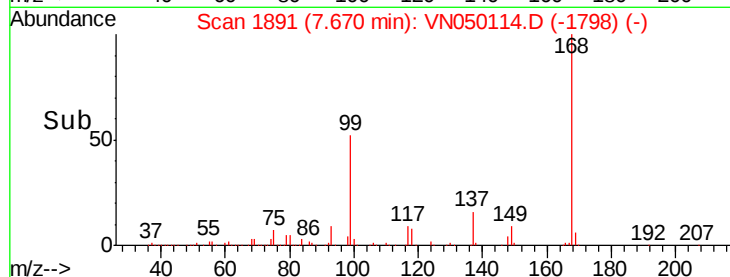
200000

100000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050114.D

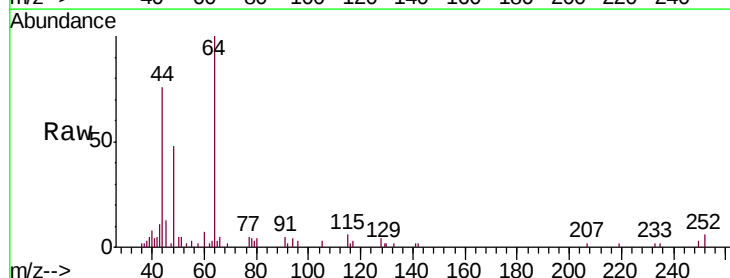
Acq: 27 Jul 2018 5:19

Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

94 100

96 87.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

400

300

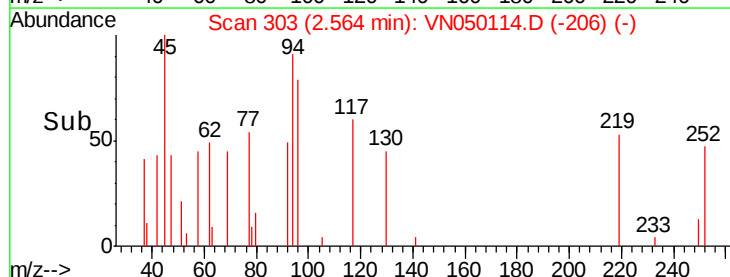
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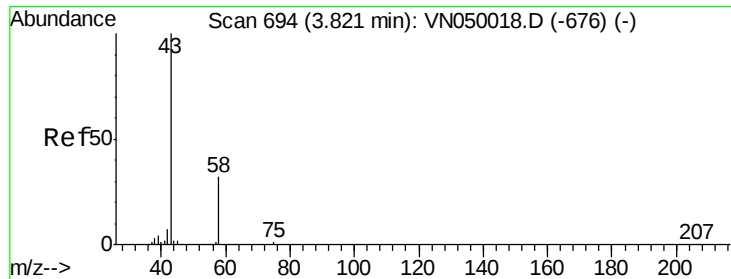
100

0

Time-->

2.54 2.56 2.58 2.60





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

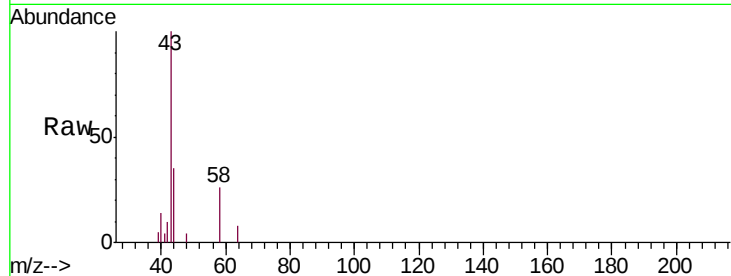
MW-7BS

Tot Ion: 43 Resp: 11082

Ion Ratio Lower Upper

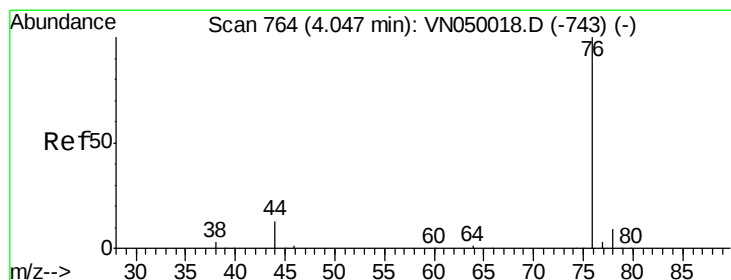
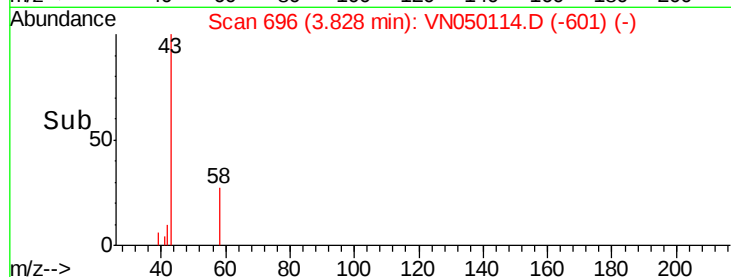
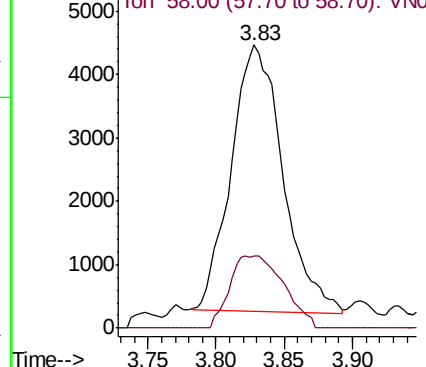
43 100

58 27.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050114.D

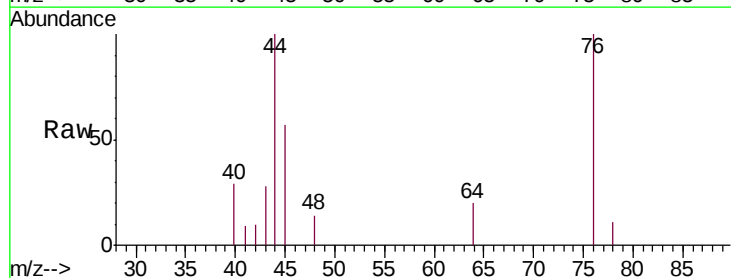
Acq: 27 Jul 2018 5:19

Tgt Ion: 76 Resp: 6019

Ion Ratio Lower Upper

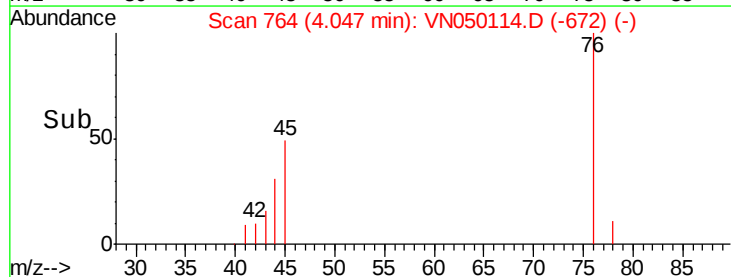
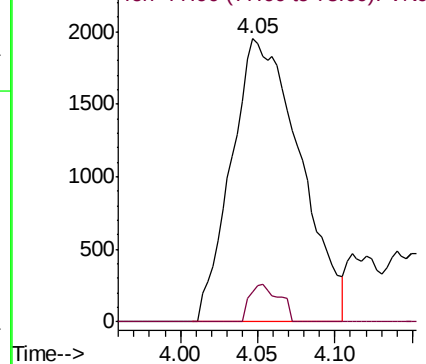
76 100

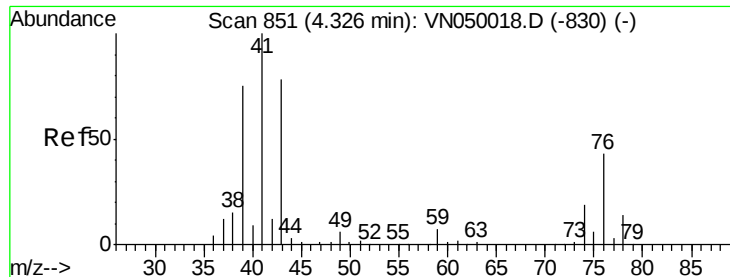
78 10.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)

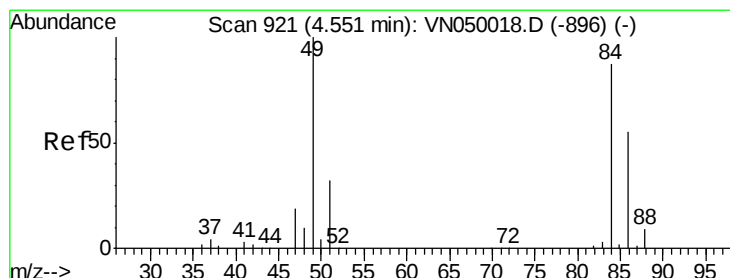
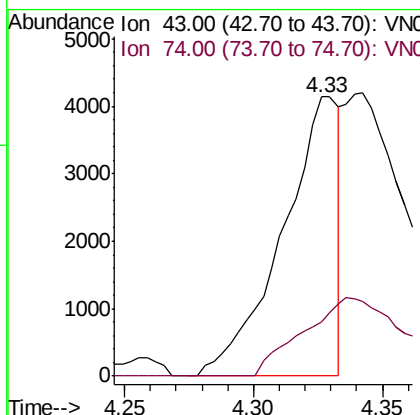
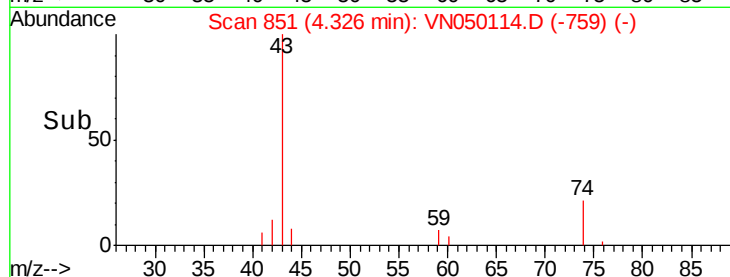
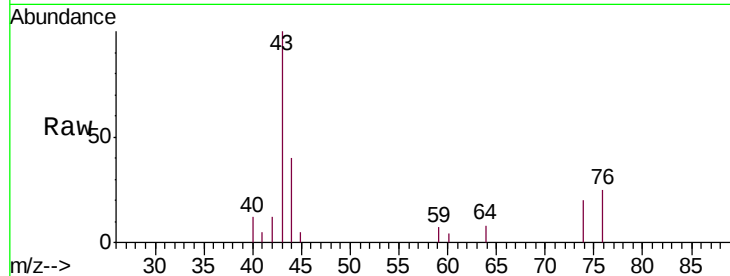




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

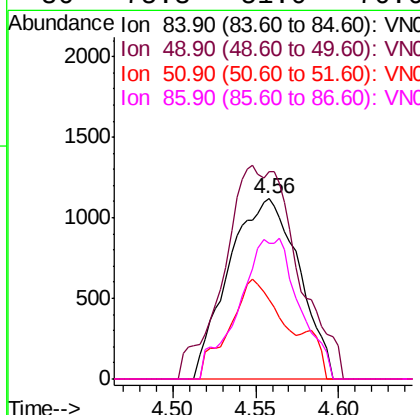
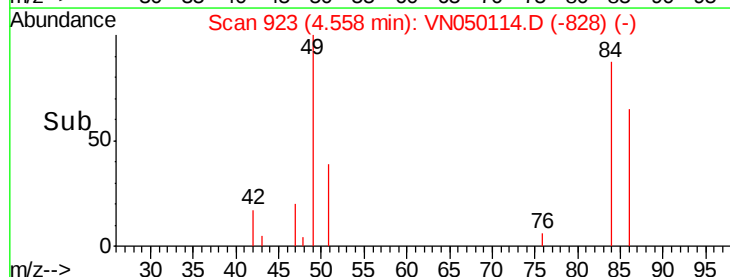
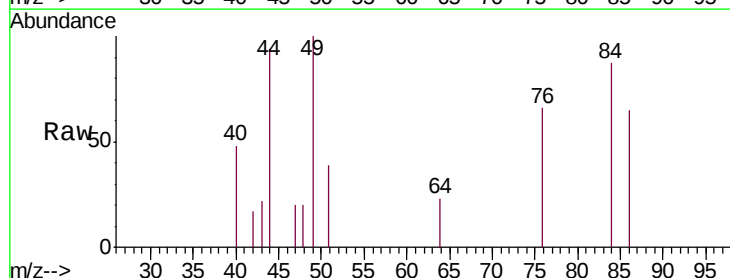
Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

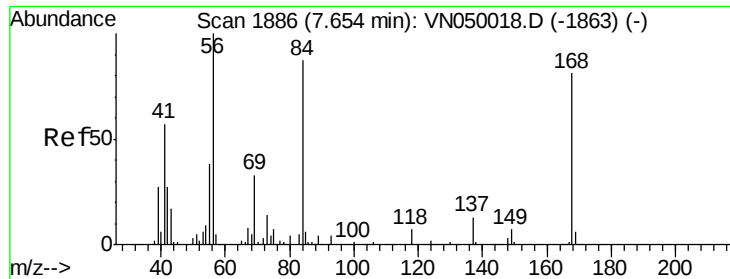
Tot Ion: 43 Resp: 6294
Ion Ratio Lower Upper
43 100
74 51.9 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion: 84 Resp: 3299
Ion Ratio Lower Upper
84 100
49 97.3 94.8 142.2
51 44.4 28.3 42.5#
86 75.3 51.0 76.6

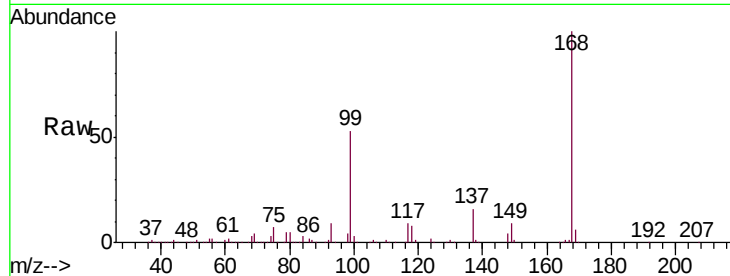




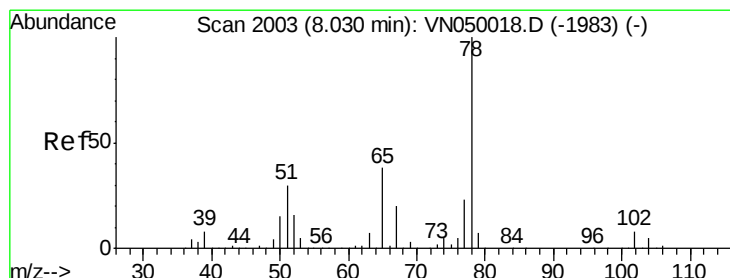
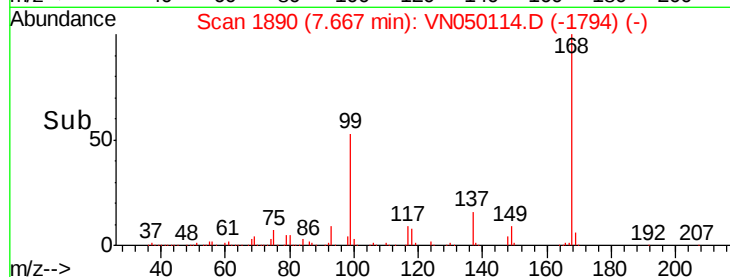
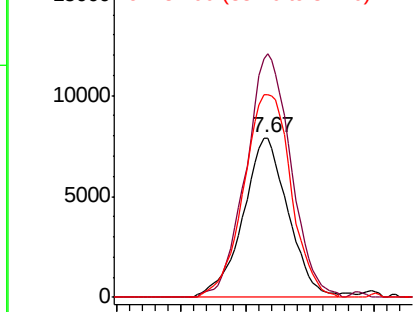
#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

Tot Ion: 56 Resp: 19222
Ion Ratio Lower Upper
56 100
69 152.6 26.2 39.4#
84 127.1 67.4 101.0#

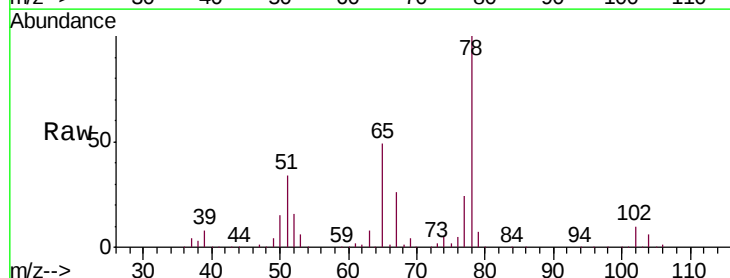


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

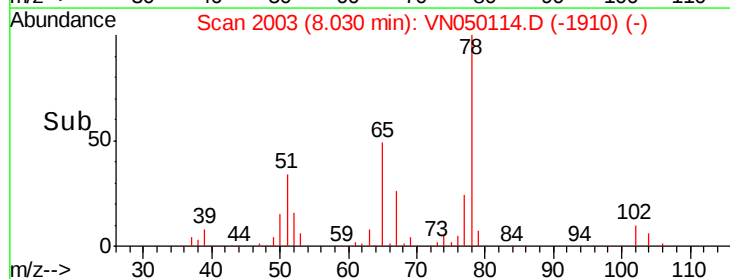
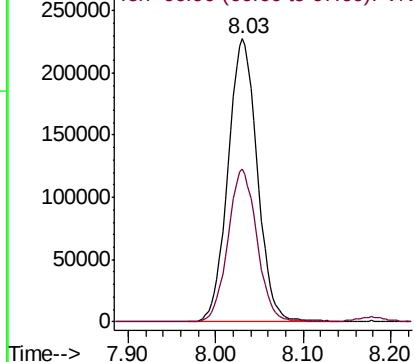


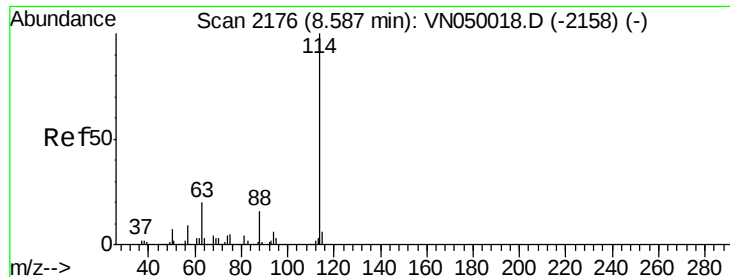
#33
1,2-Dichloroethane-d4
Concen: 45.88 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion: 65 Resp: 528575
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

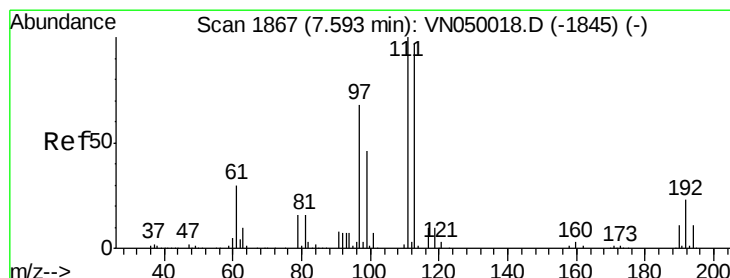
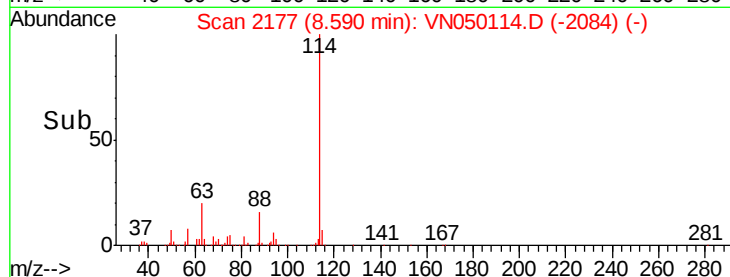
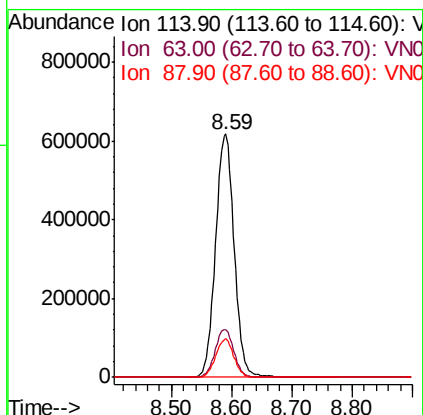
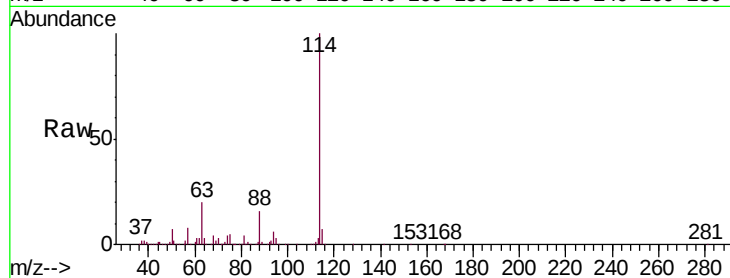




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

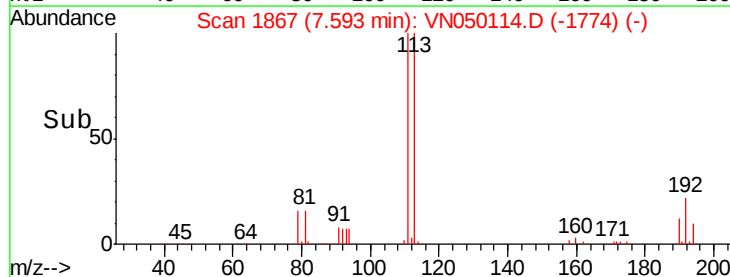
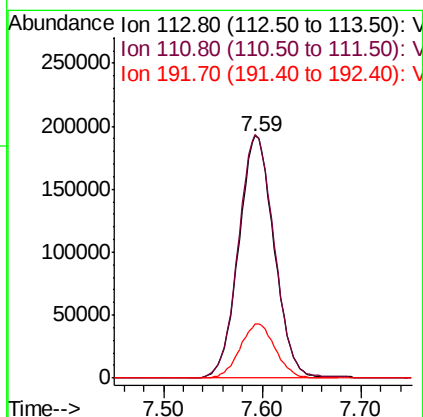
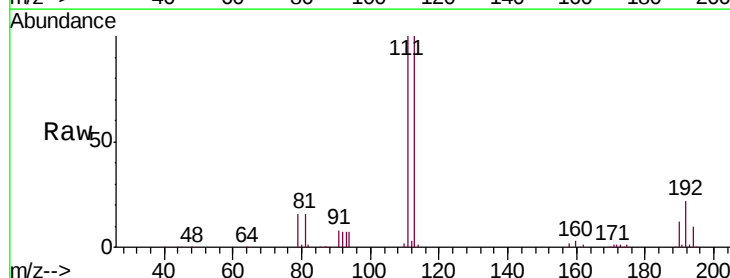
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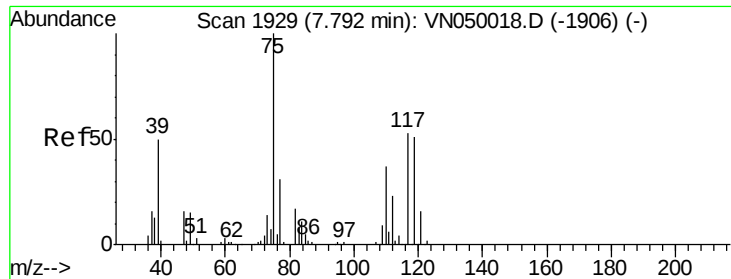
Tot Ion:114 Resp: 1297561
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.0
88 15.7 0.0 31.2



#35
Dibromofluoromethane
Concen: 45.03 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion:113 Resp: 477023
Ion Ratio Lower Upper
113 100
111 102.1 80.7 121.1
192 22.3 17.8 26.6

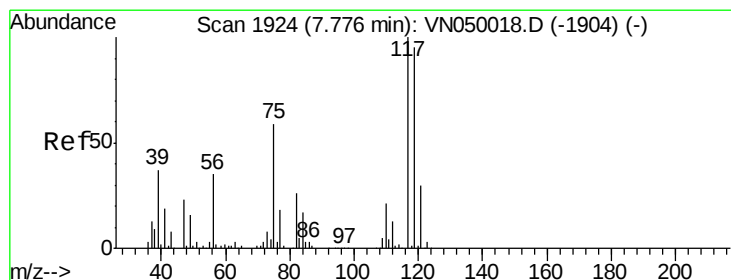
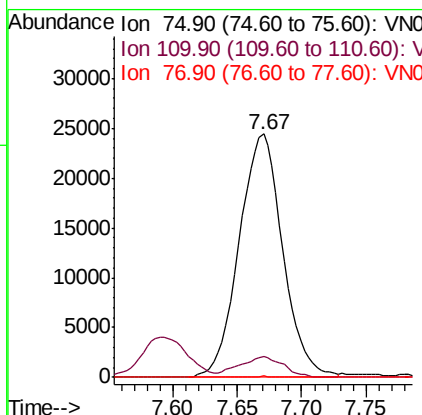
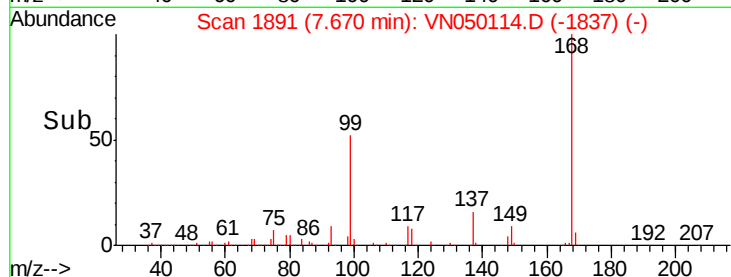
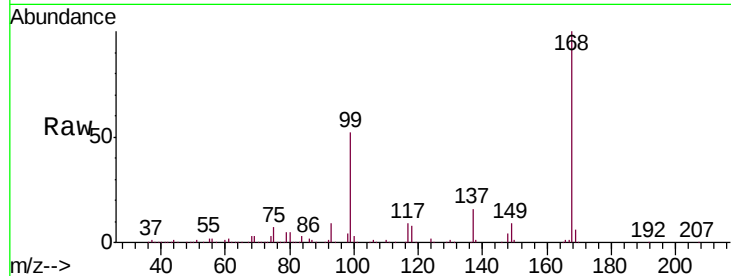




#36
 1,1-Dichloropropene
 Concen: 3.92 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050114.D
 Acq: 27 Jul 2018 5:19

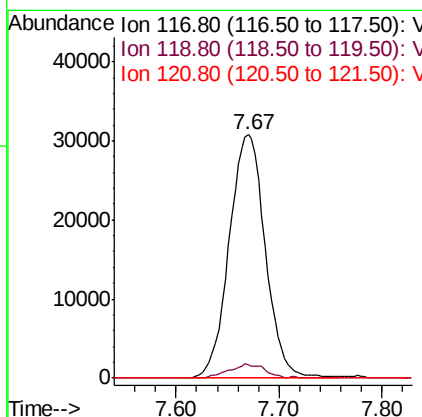
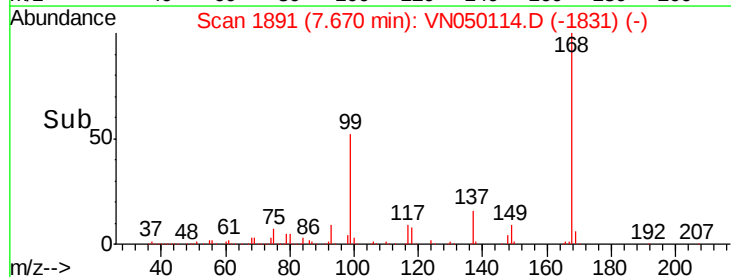
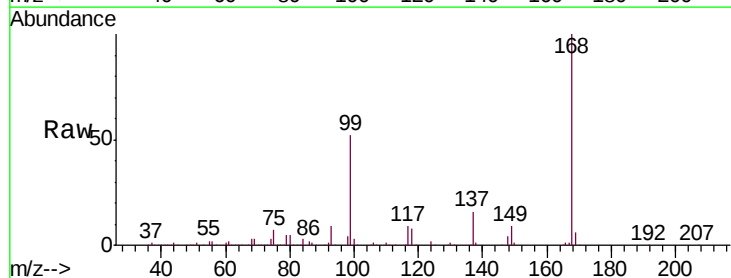
Instrument :
 MSVOA_N
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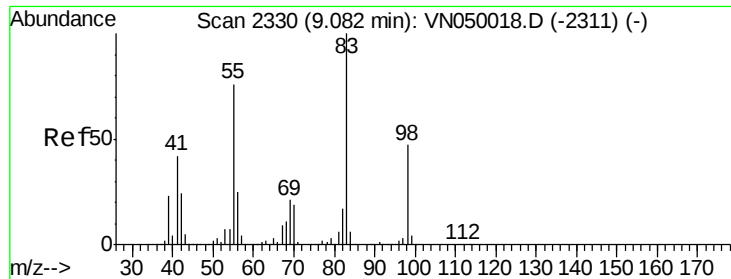
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.83 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050114.D
 Acq: 27 Jul 2018 5:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.4	116.0#
121	0.0	23.9	35.9#

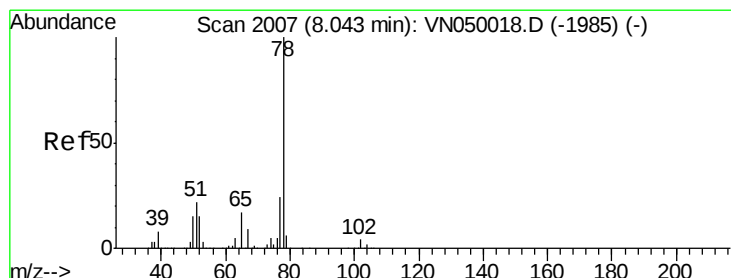
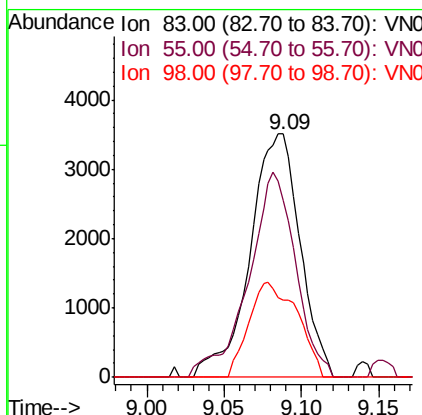
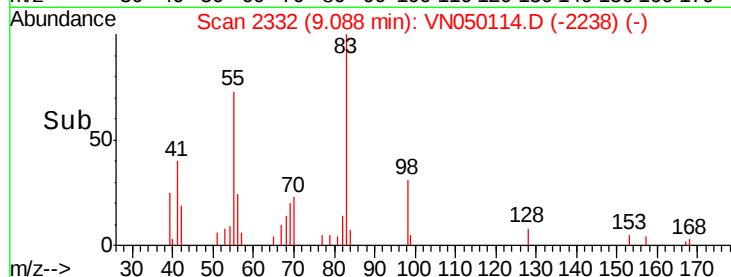
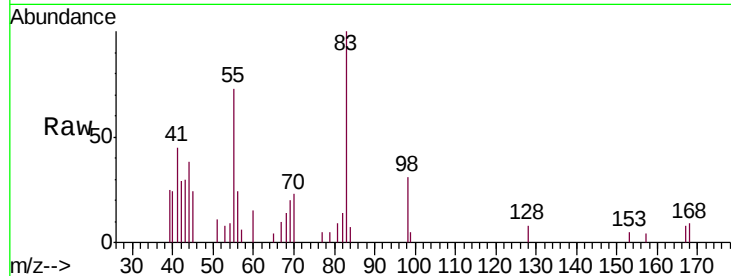




#39
Methvlcvclohexane
Concen: 0.53 ug/l
RT: 9.09 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

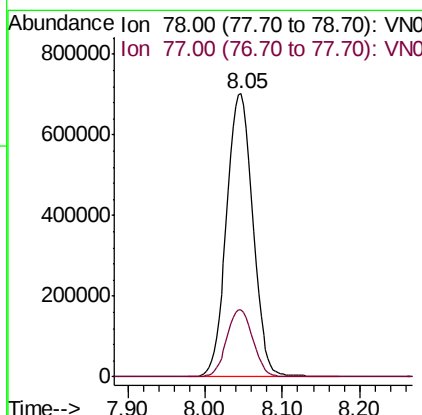
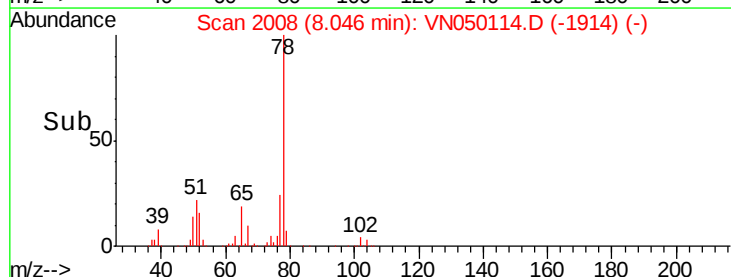
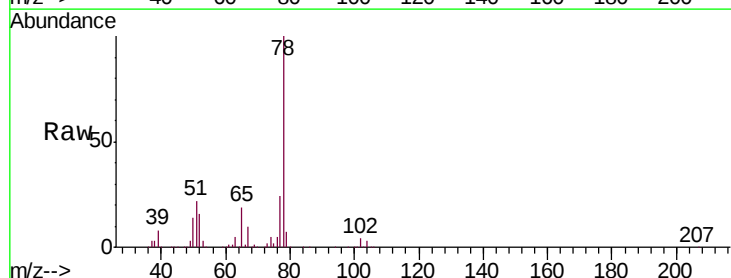
Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

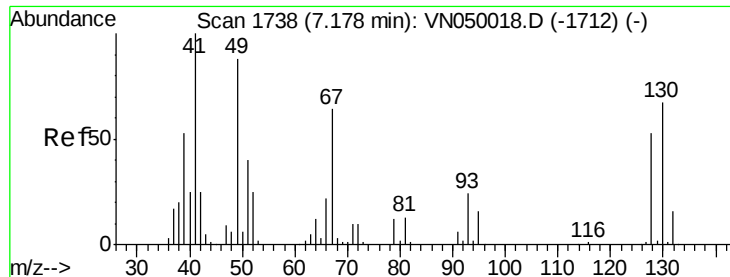
Tot Ion: 83 Resp: 7922
Ion Ratio Lower Upper
83 100
55 72.7 61.8 92.8
98 31.5 36.5 54.7#



#40
Benzene
Concen: 37.24 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion: 78 Resp: 1656787
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

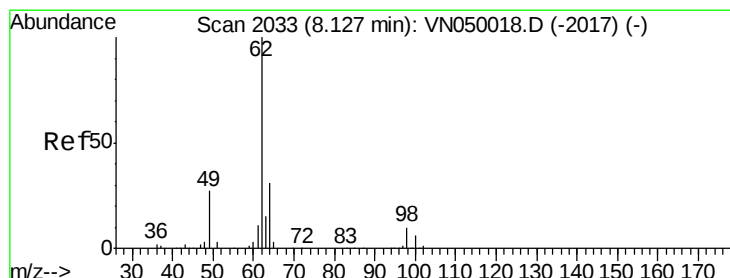
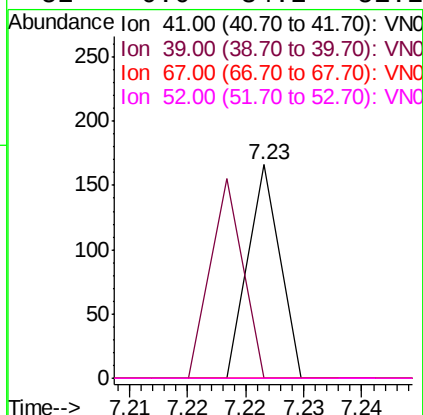
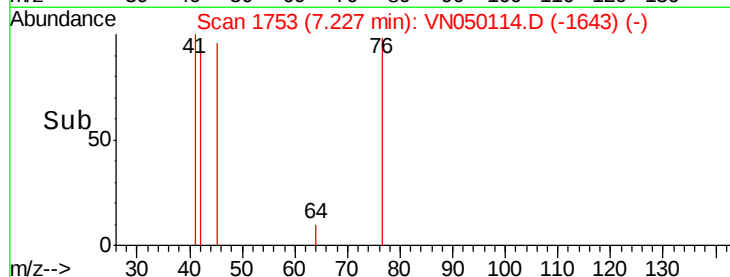
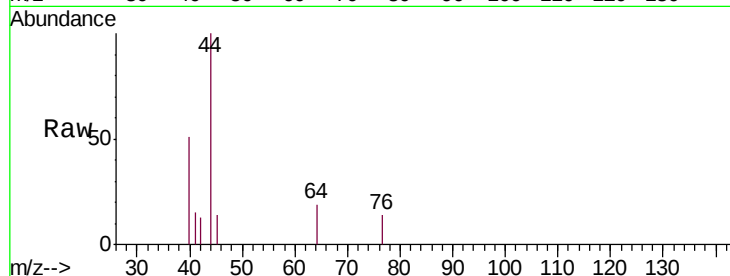




#41
Methacrylonitrile
Concen: 2.75 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

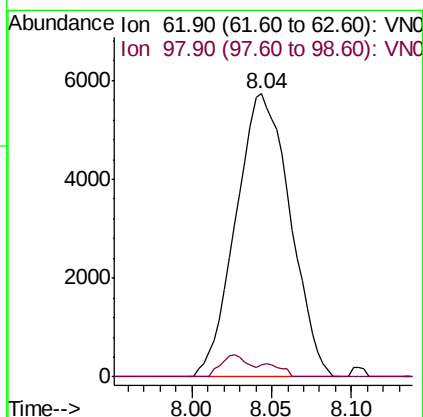
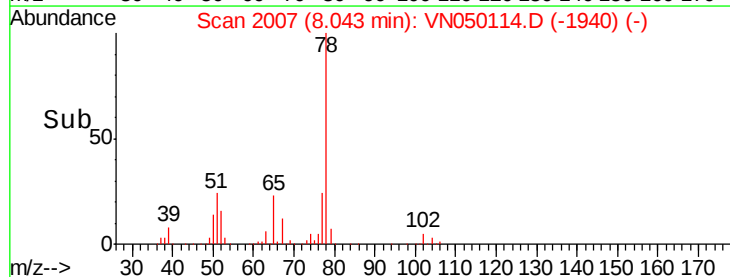
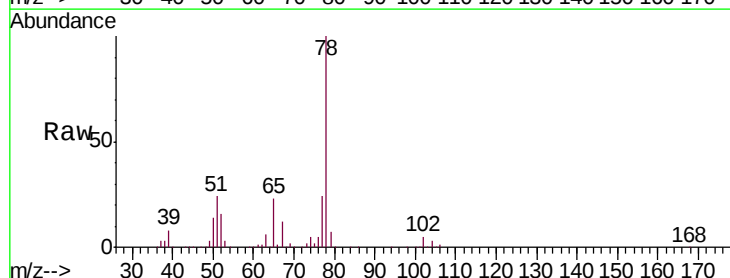
Instrument :
MSVOA_N
ClientSampled :
MW-7BS

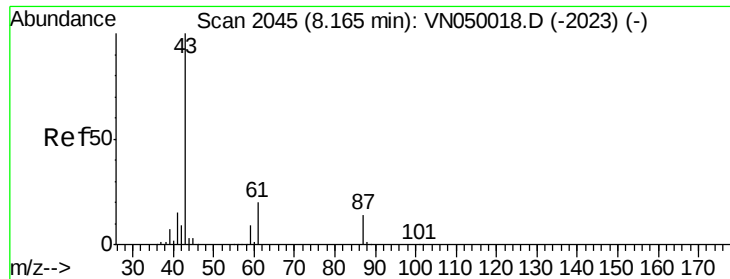
Tot Ion:	41	Resp:	32
Ion	Ratio	Lower	Upper
41	100		
39	93.8	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#



#42
1,2-Dichloroethane
Concen: 0.90 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.08 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion:	62	Resp:	13315
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	18.8





#43

Isopropyl Acetate

Concen: 12.09 ug/l

RT: 8.26 min Scan# 2075

Delta R.T. 0.09 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

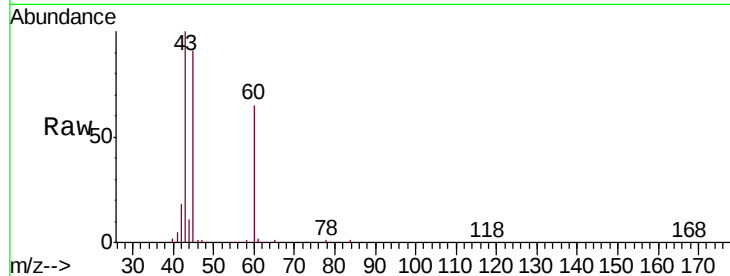
Tot Ion: 43 Resp: 248803

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

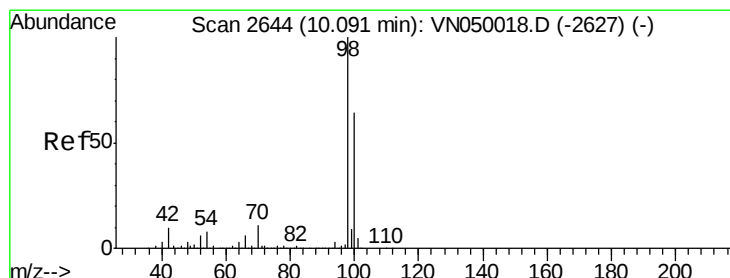
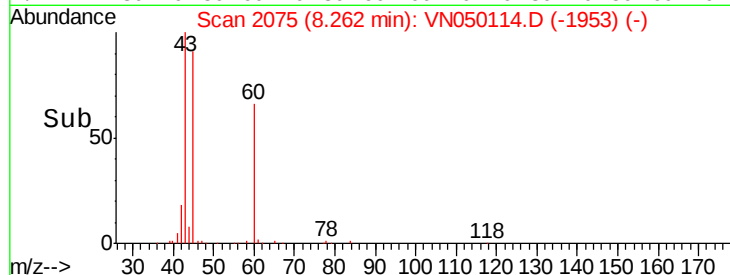
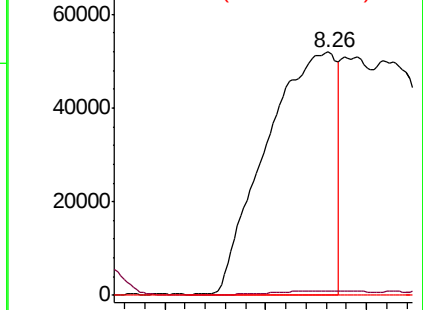
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 45.98 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050114.D

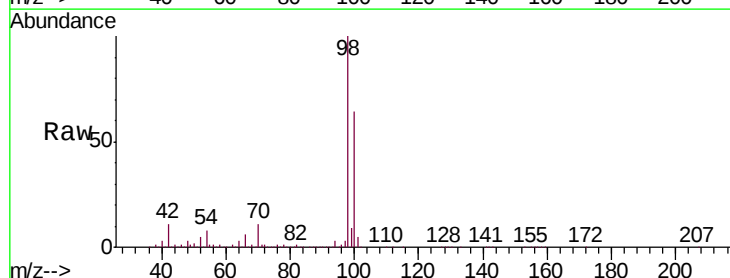
Acq: 27 Jul 2018 5:19

Tgt Ion: 98 Resp: 1790794

Ion Ratio Lower Upper

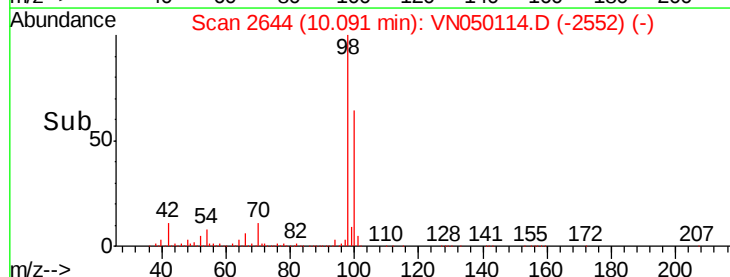
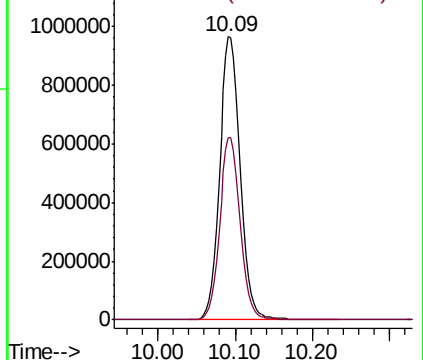
98 100

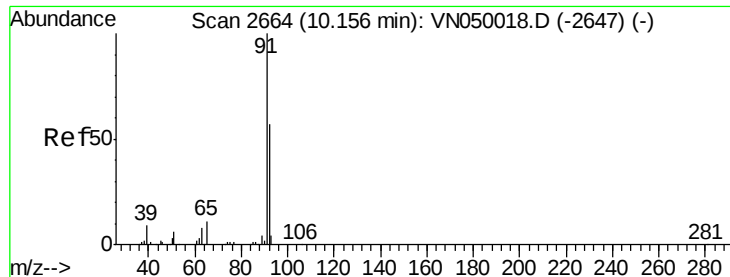
100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 8.14 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampled :

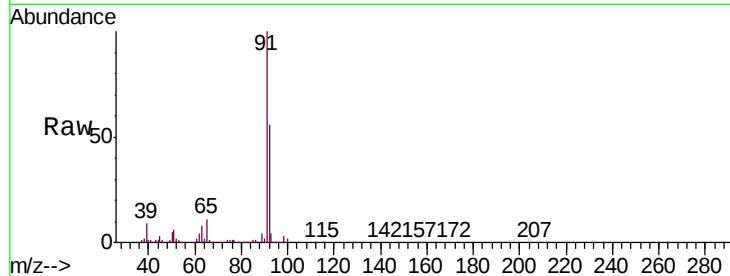
MW-7BS

Tot Ion: 92 Resp: 213631

Ion Ratio Lower Upper

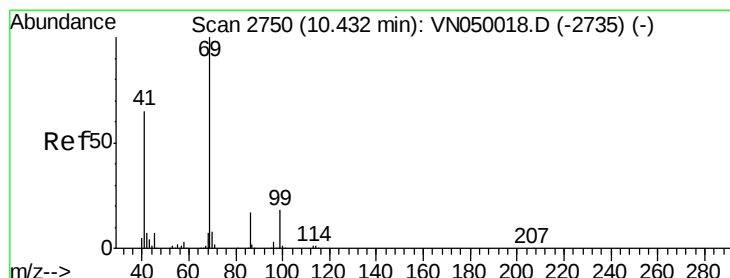
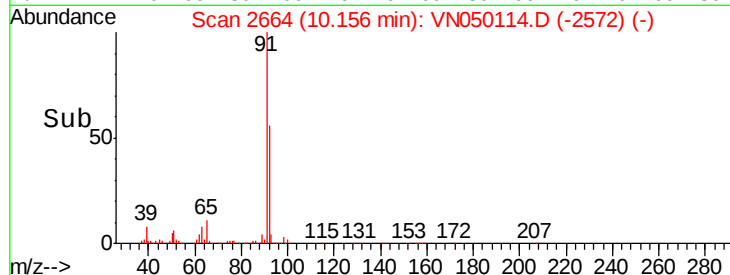
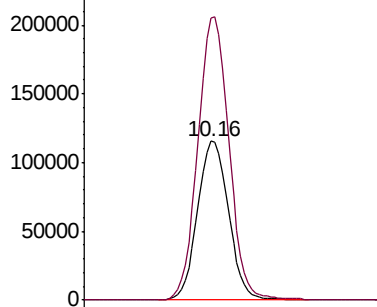
92 100

91 178.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#56

Ethyl methacrylate

Concen: 2.05 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

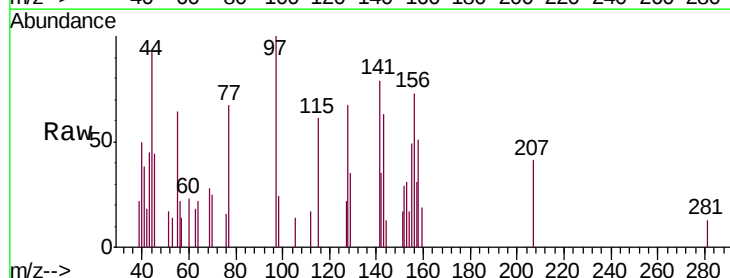
Tgt Ion: 69 Resp: 308

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

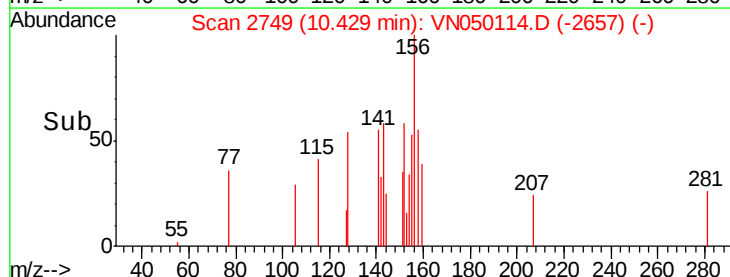
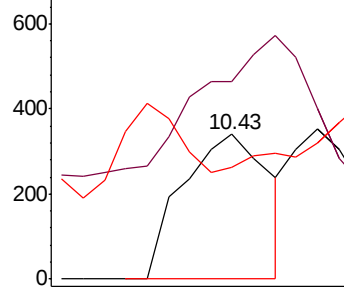
39 0.0 26.6 40.0#

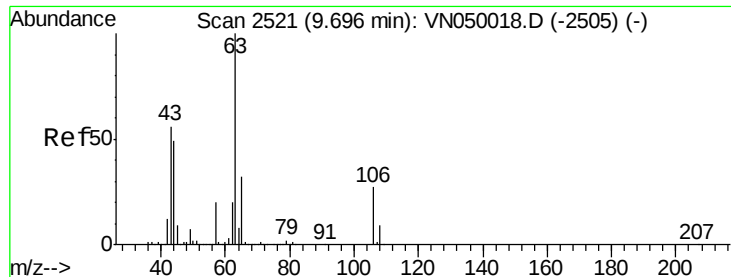


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

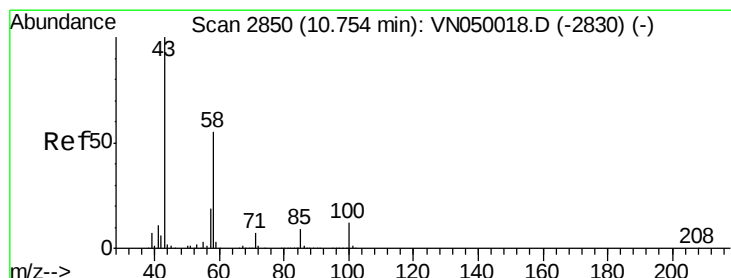
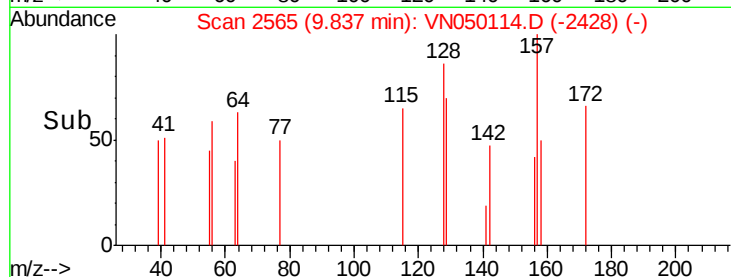
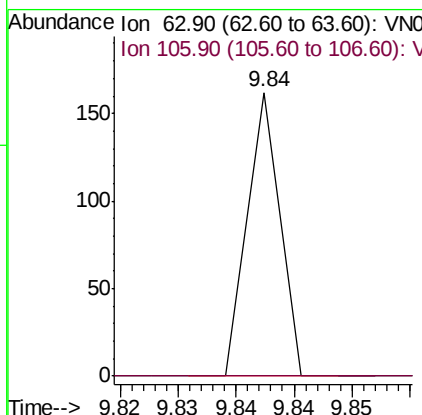
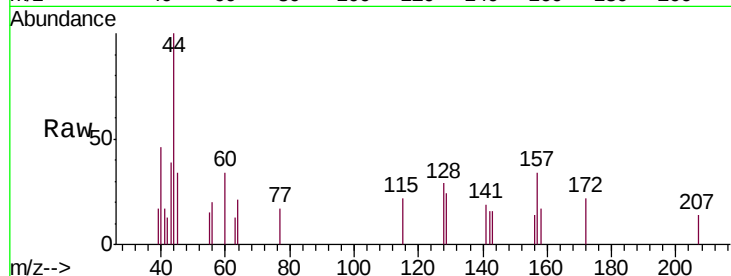




#58
2-Chloroethyl Vinyl ether
Concen: 8.53 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. 0.14 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

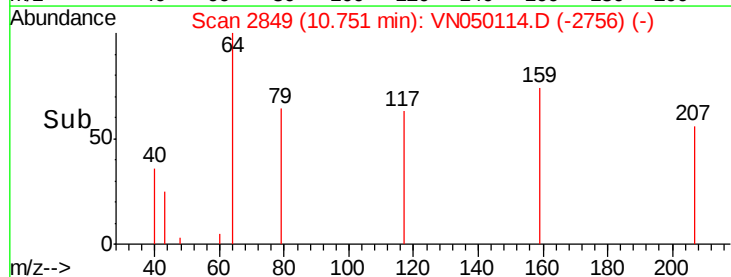
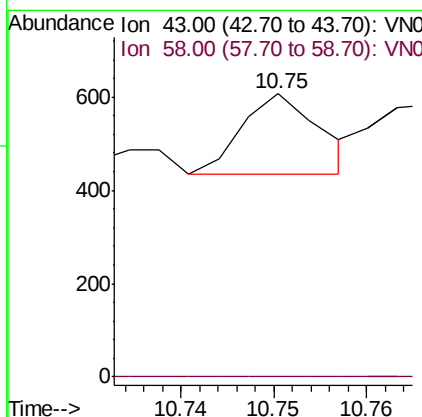
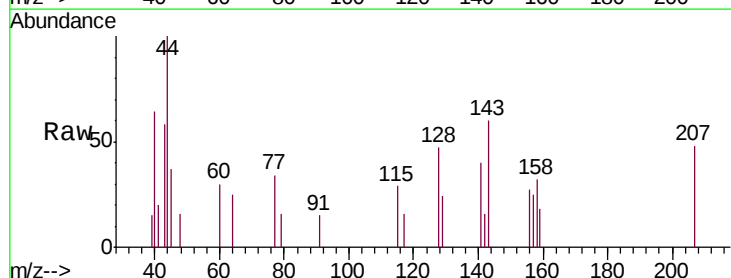
Instrument :
MSVOA_N
ClientSampled :
MW-7BS

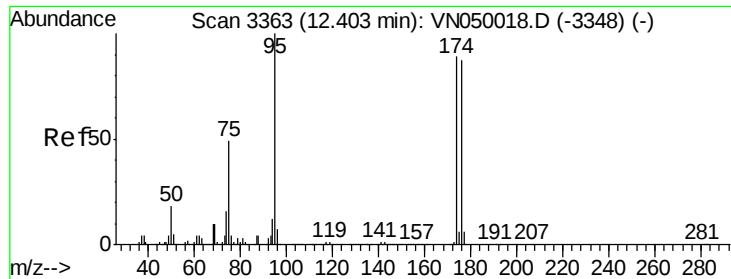
Tot Ion: 63 Resp: 31
Ion Ratio Lower Upper
63 100
106 0.0 21.7 32.5#



#59
2-Hexanone
Concen: 5.19 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 46.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

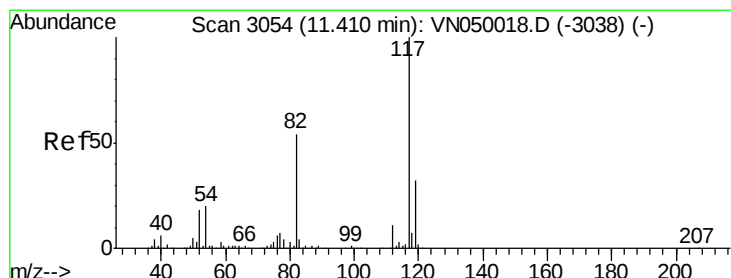
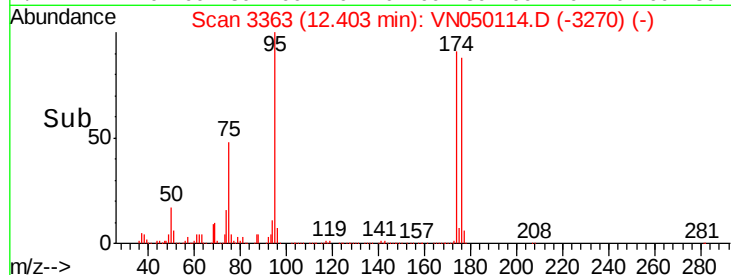
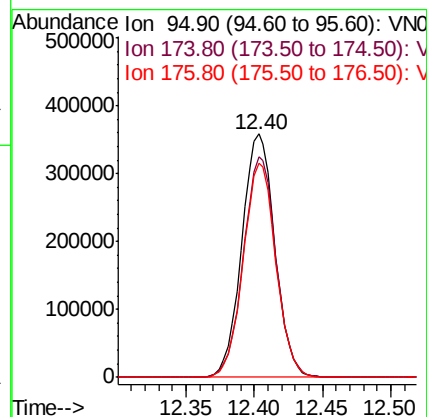
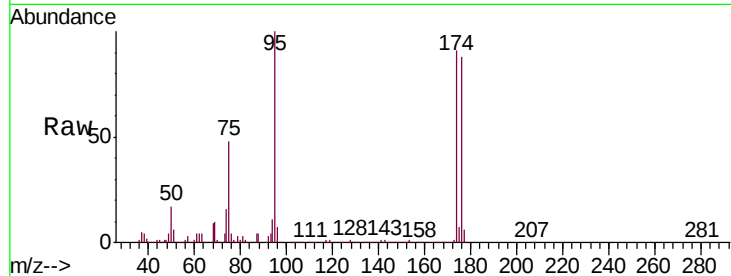
Tot Ion: 95 Resp: 599446

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

176 87.2 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: VN050114.D

Acq: 27 Jul 2018 5:19

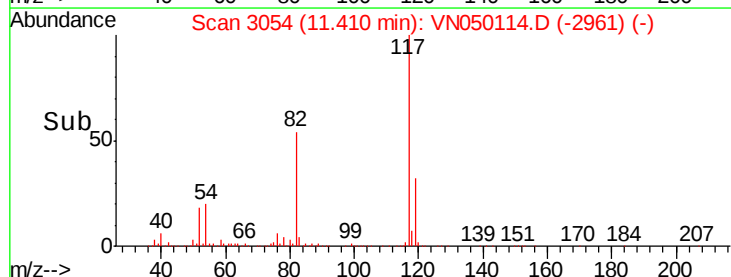
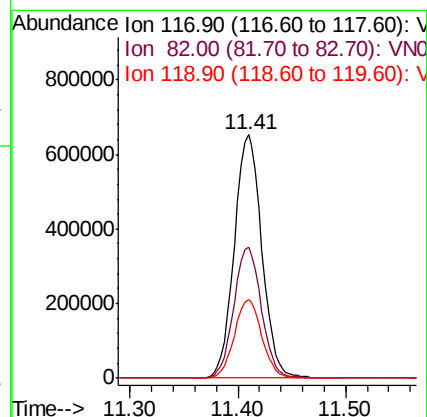
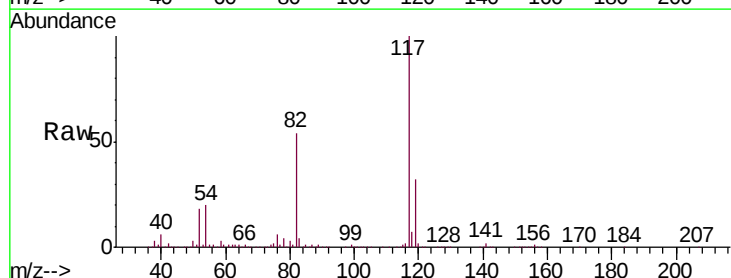
Tgt Ion: 117 Resp: 1153156

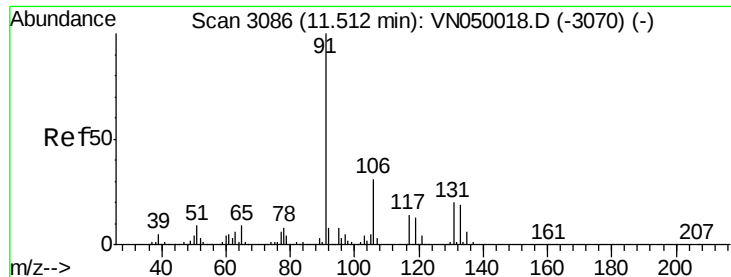
Ion Ratio Lower Upper

117 100

82 53.7 43.7 65.5

119 32.2 26.1 39.1





#67

Ethyl Benzene

Concen: 23.09 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampled :

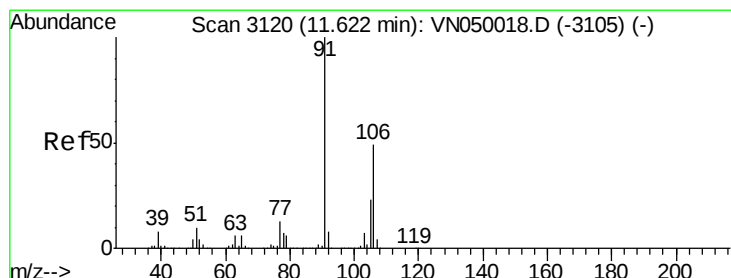
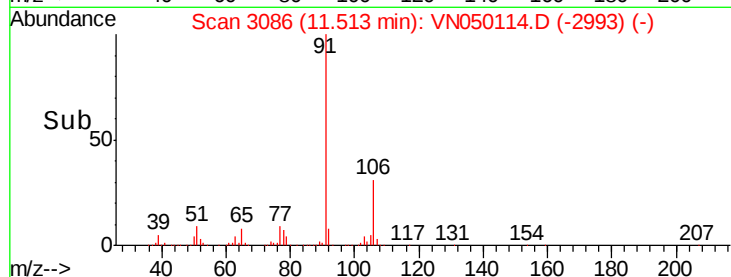
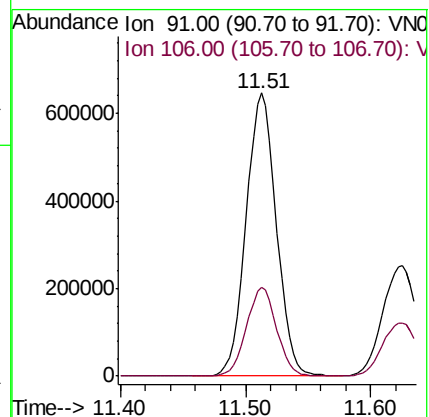
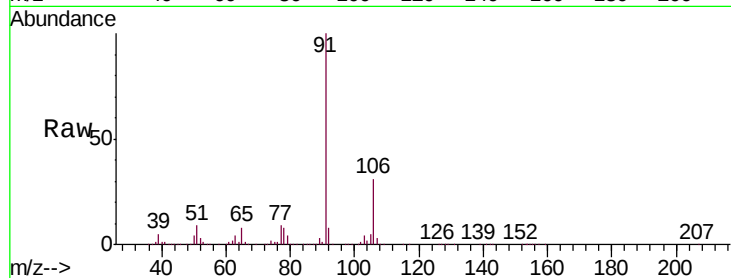
MW-7BS

Tot Ion: 91 Resp: 1080550

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



#68

m/p-Xylenes

Concen: 13.58 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050114.D

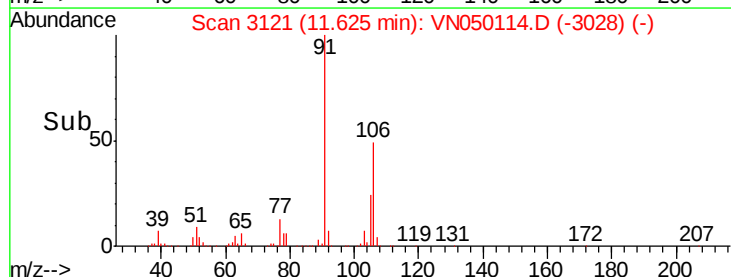
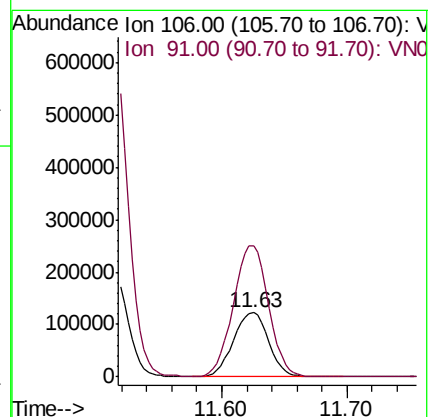
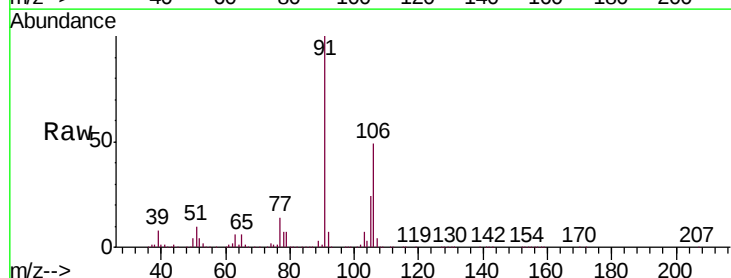
Acq: 27 Jul 2018 5:19

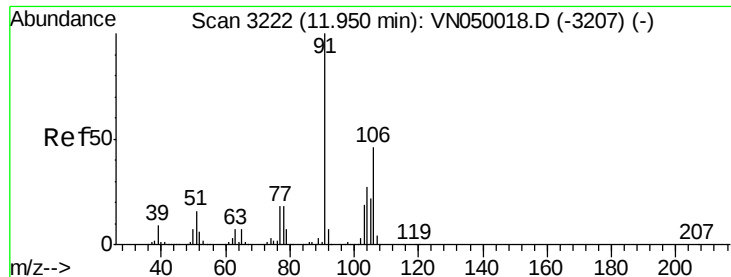
Tgt Ion: 106 Resp: 240406

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.2

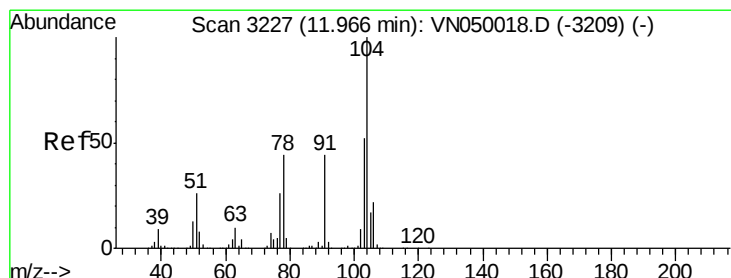
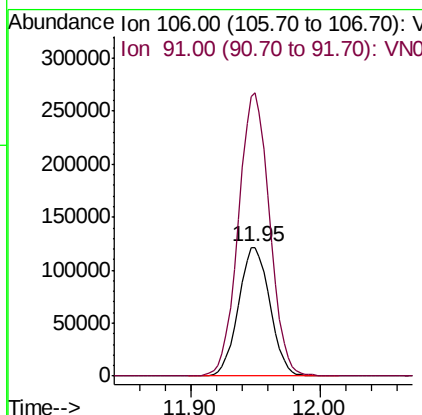
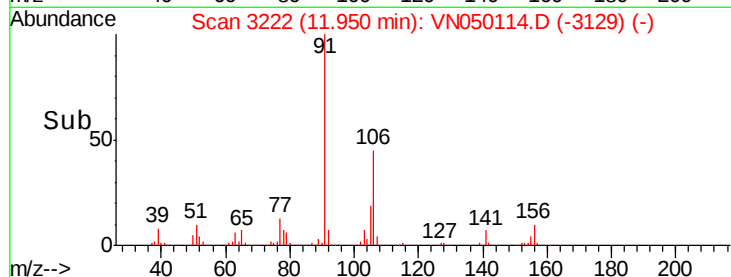
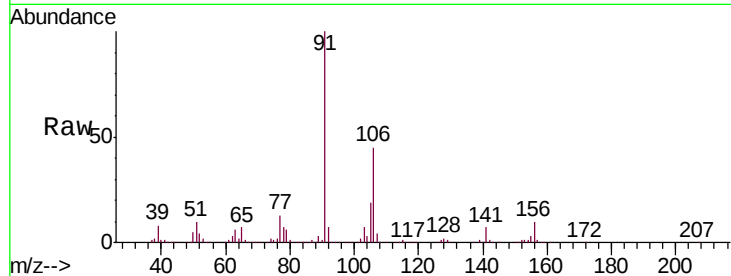




#69
o-Xylene
Concen: 12.20 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

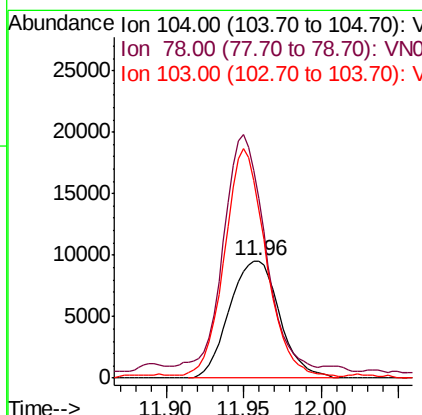
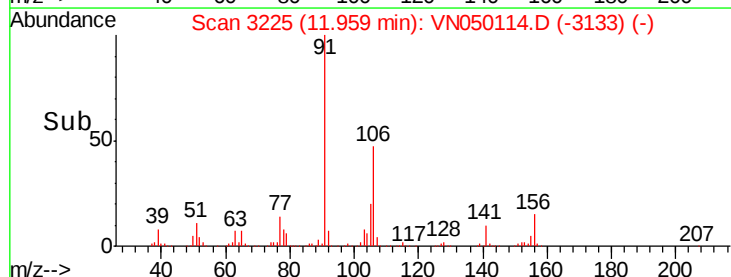
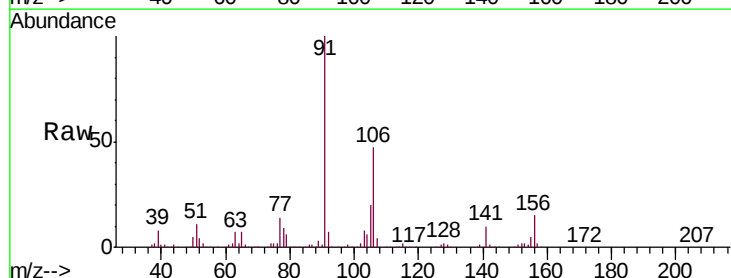
Instrument :
MSVOA_N
ClientSampled :
MW-7BS

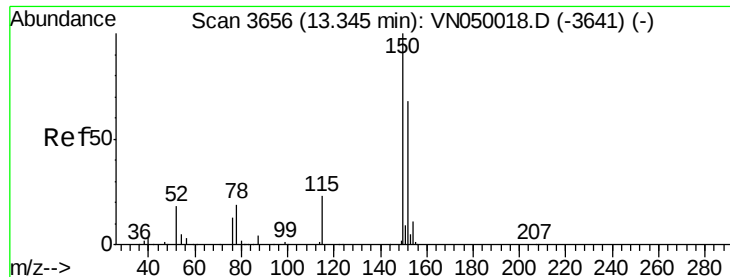
Tot Ion:106 Resp: 205874
Ion Ratio Lower Upper
106 100
91 217.2 107.7 323.1



#70
Styrene
Concen: 1.63 ug/l
RT: 11.96 min Scan# 3225
Delta R.T. -0.01 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion:104 Resp: 21518
Ion Ratio Lower Upper
104 100
78 163.0 39.3 58.9#
103 160.1 45.0 67.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

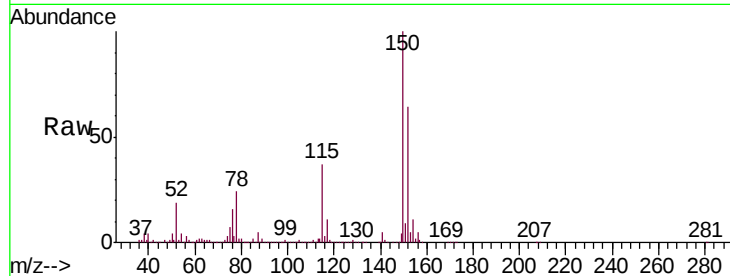
Tot Ion:152 Resp: 555504

Ion Ratio Lower Upper

152 100

115 60.8 27.8 83.3

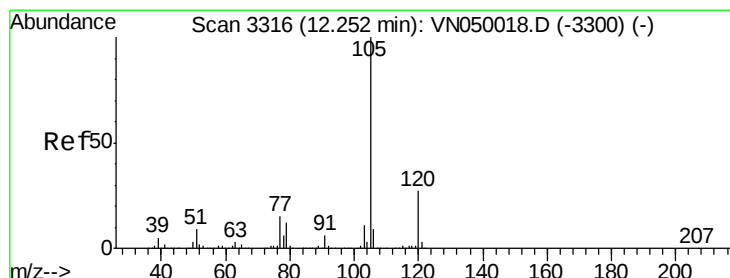
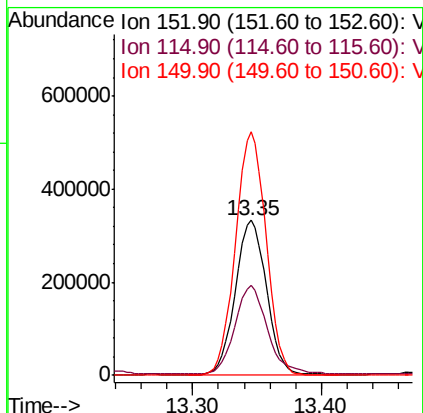
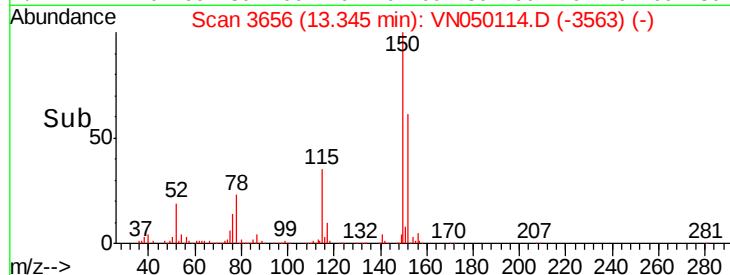
150 154.7 0.0 348.6



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



#73

Isopropylbenzene

Concen: 5.85 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050114.D

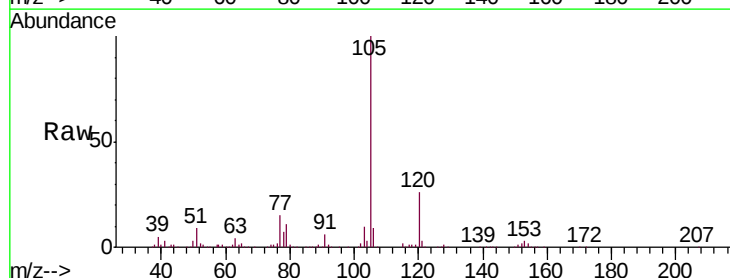
Acq: 27 Jul 2018 5:19

Tgt Ion:105 Resp: 252232

Ion Ratio Lower Upper

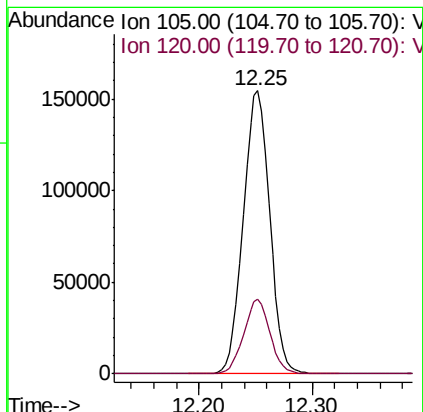
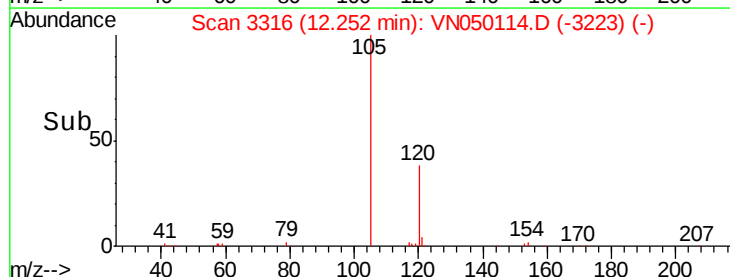
105 100

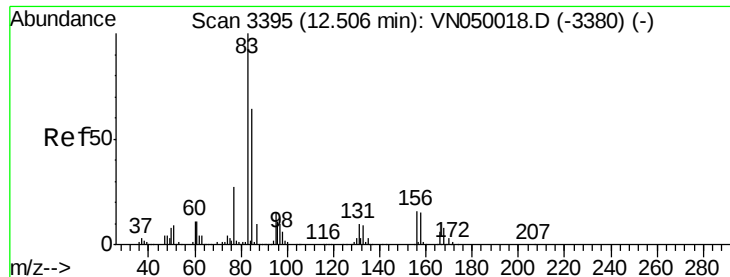
120 26.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampled :

MW-7BS

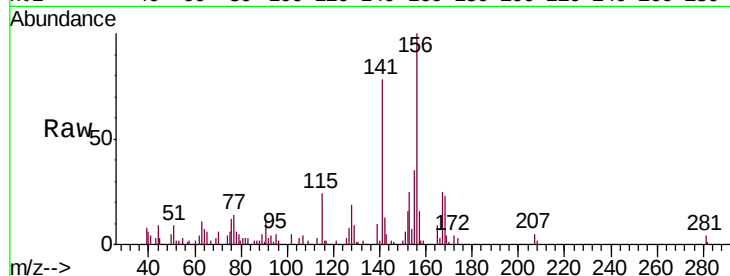
Tot Ion: 83 Resp: 51

Ion Ratio Lower Upper

83 100

131 180.4 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

600

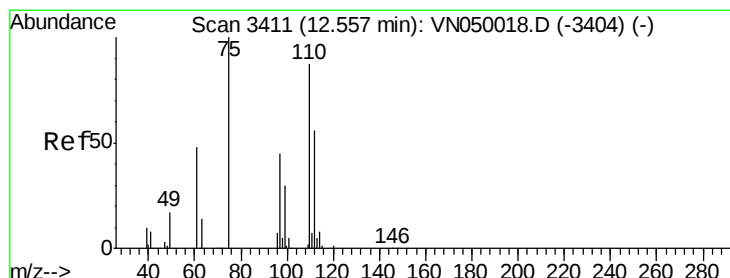
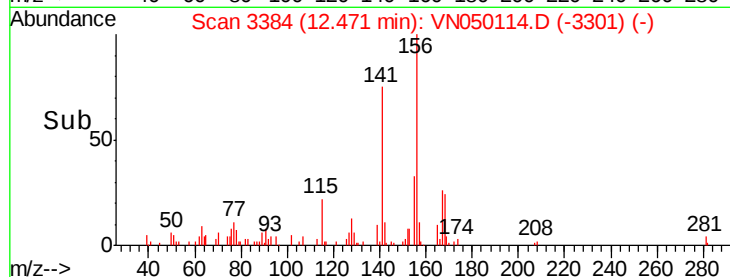
400

200

0

12.46 12.47 12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050114.D

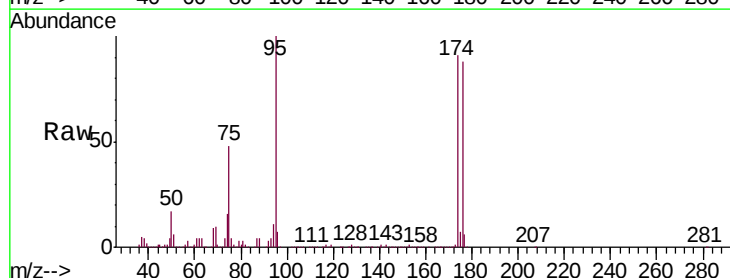
Acq: 27 Jul 2018 5:19

Tgt Ion: 75 Resp: 287494

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

200000

150000

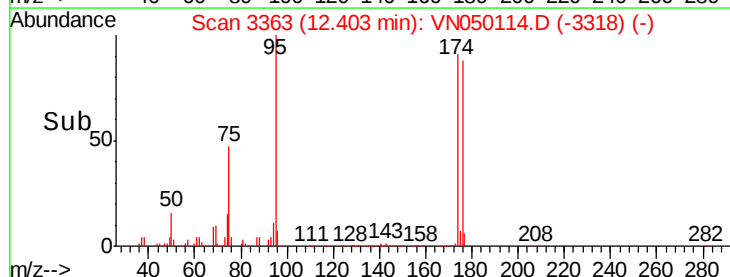
100000

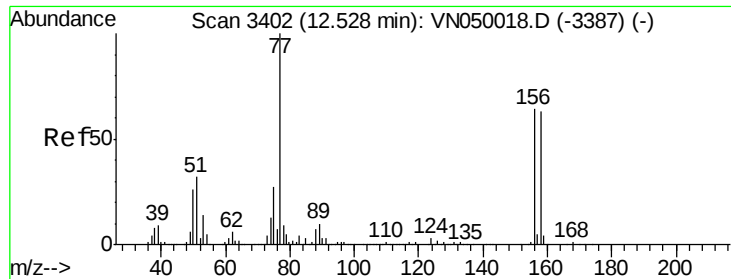
50000

0

12.30 12.35 12.40 12.45

Time-->





#77

Bromobenzene

Concen: 20.95 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. 0.02 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

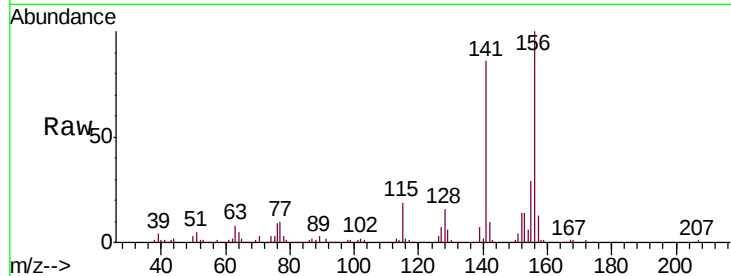
Tot Ion:156 Resp: 250185

Ion Ratio Lower Upper

156 100

77 6.1 91.7 275.1#

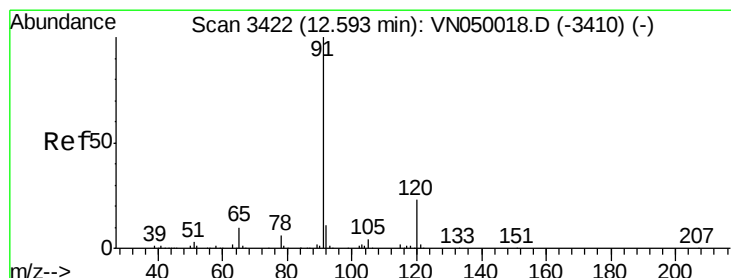
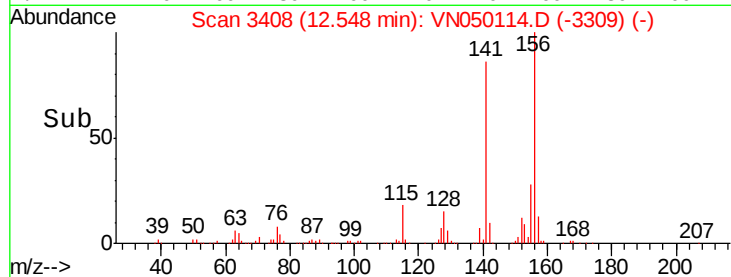
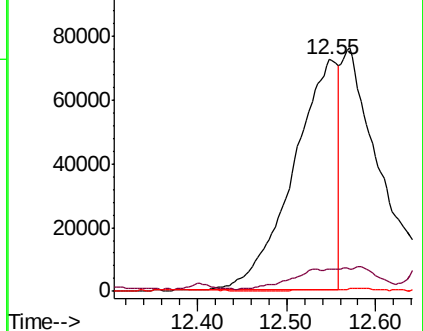
158 0.8 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.18 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050114.D

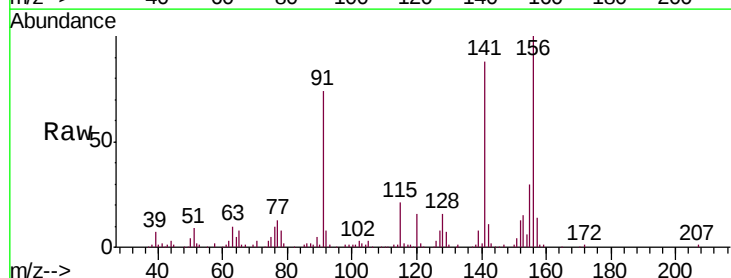
Acq: 27 Jul 2018 5:19

Tgt Ion: 91 Resp: 57010

Ion Ratio Lower Upper

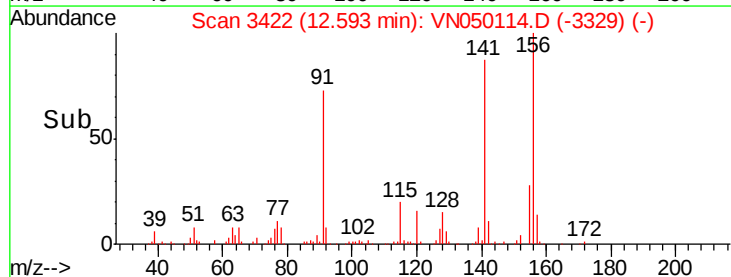
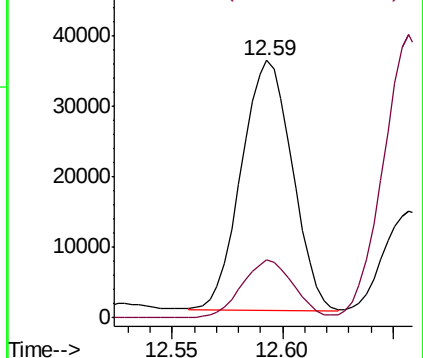
91 100

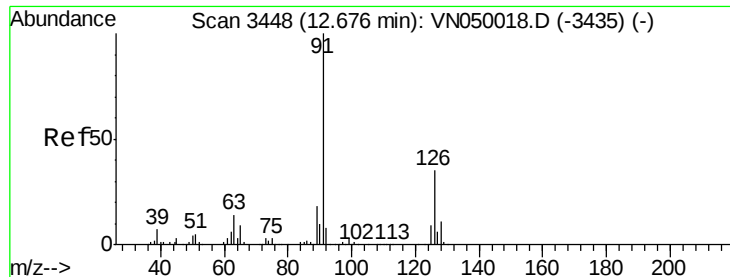
120 23.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.61 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

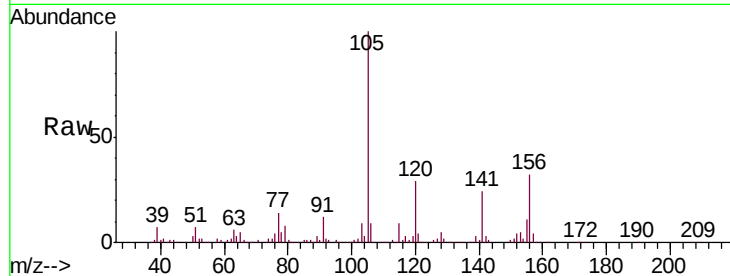
MW-7BS

Tot Ion: 91 Resp: 18085

Ion Ratio Lower Upper

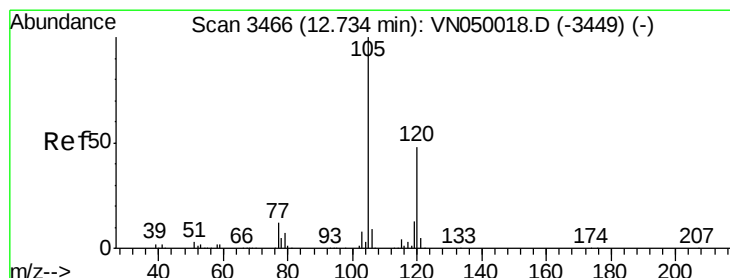
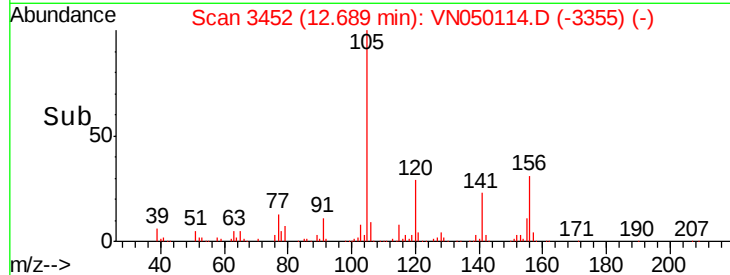
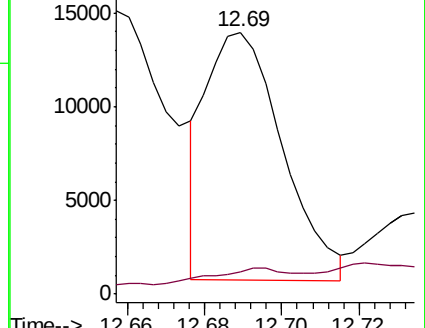
91 100

126 7.2 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.36 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050114.D

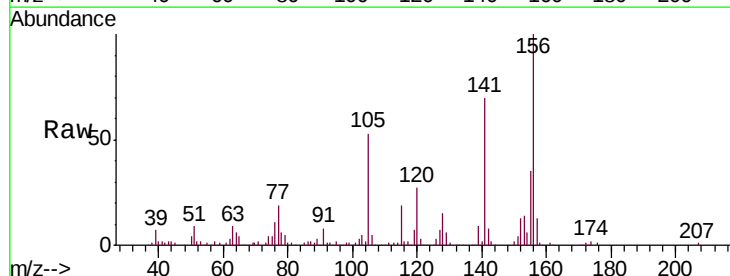
Acq: 27 Jul 2018 5:19

Tgt Ion:105 Resp: 46095

Ion Ratio Lower Upper

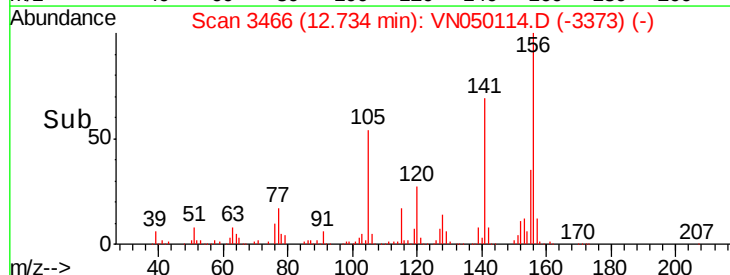
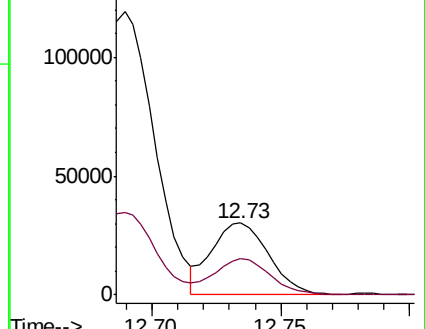
105 100

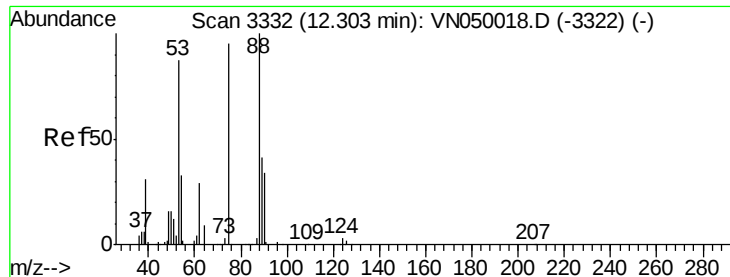
120 50.5 24.4 73.2



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: 88.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampled :

MW-7BS

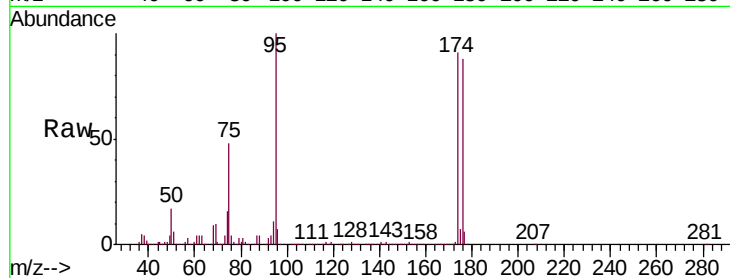
Tot Ion: 75 Resp: 287494

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

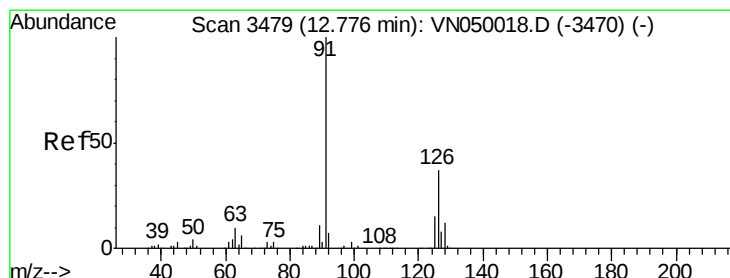
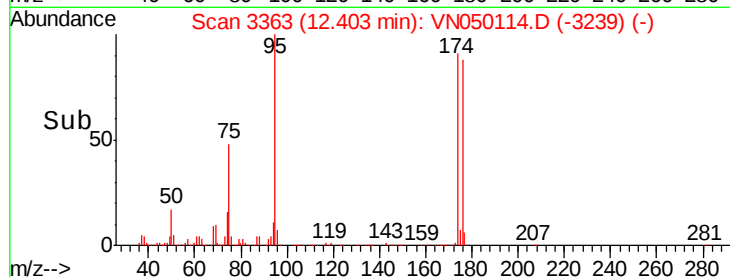
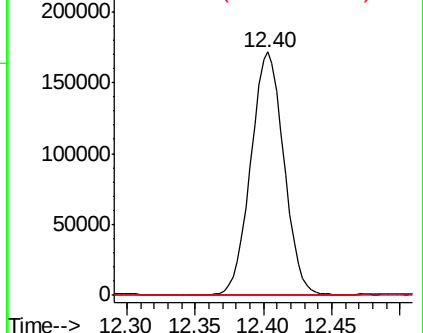
89 0.1 36.0 54.0#



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



#82

4-Chlorotoluene

Concen: 0.20 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050114.D

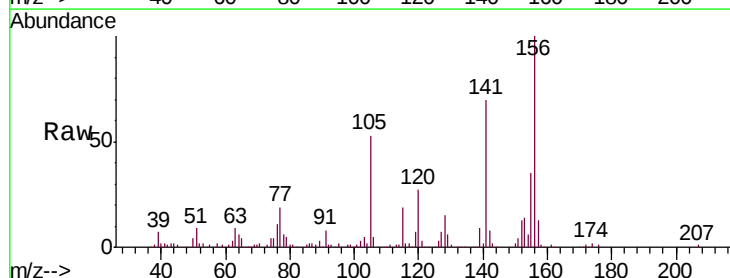
Acq: 27 Jul 2018 5:19

Tgt Ion: 91 Resp: 5978

Ion Ratio Lower Upper

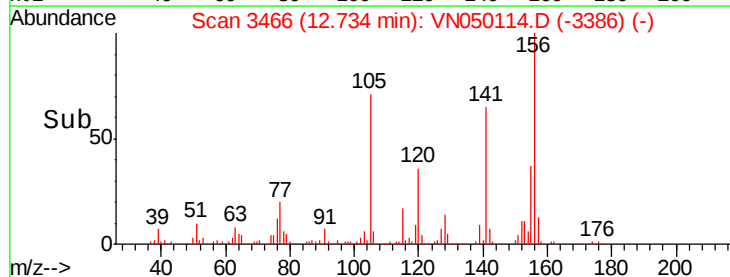
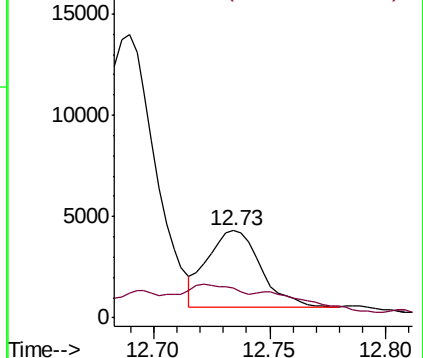
91 100

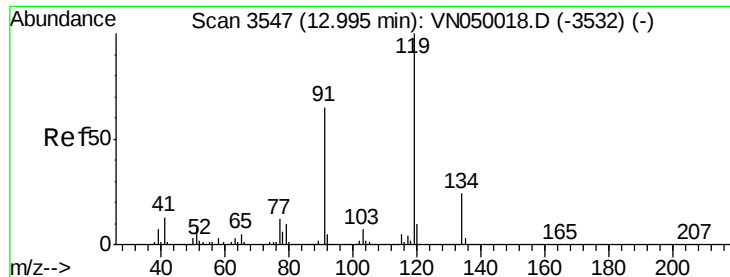
126 12.2 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

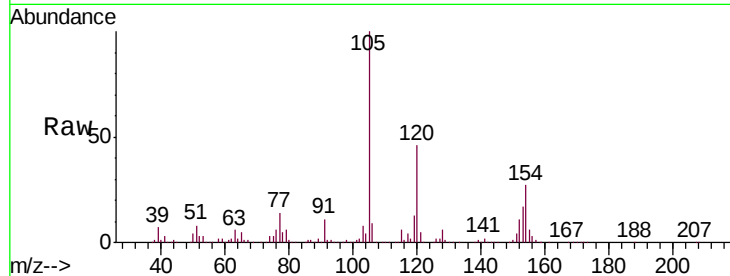




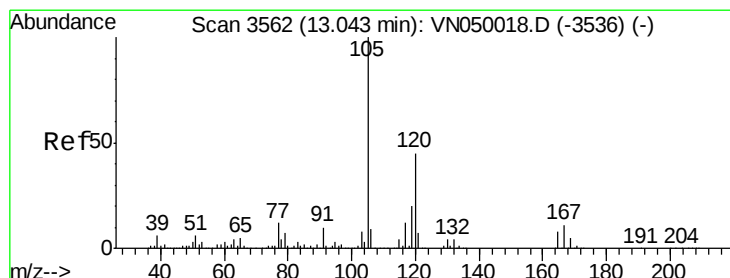
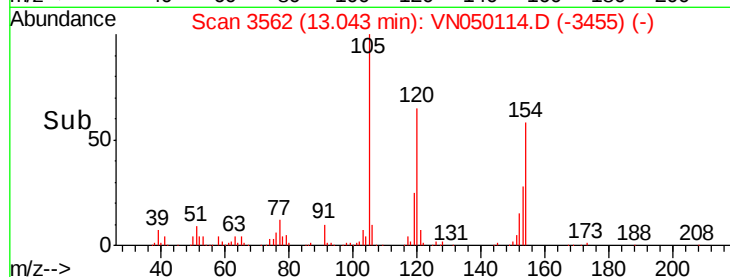
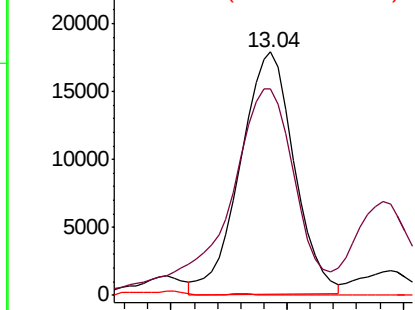
#83
tert-Butylbenzene
Concen: 0.97 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.05 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Instrument :
MSVOA_N
ClientSampled :
MW-7BS

Tot Ion:119 Resp: 28641
Ion Ratio Lower Upper
119 100
91 101.2 32.1 96.3#
134 0.0 13.2 39.5#

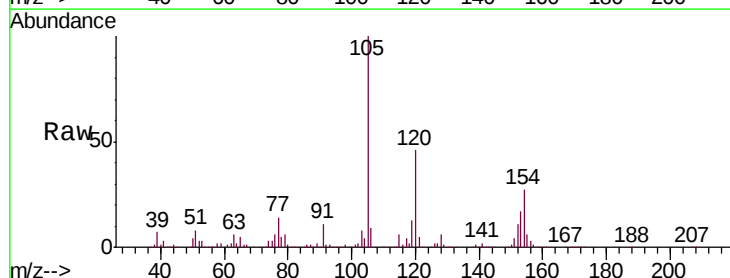


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

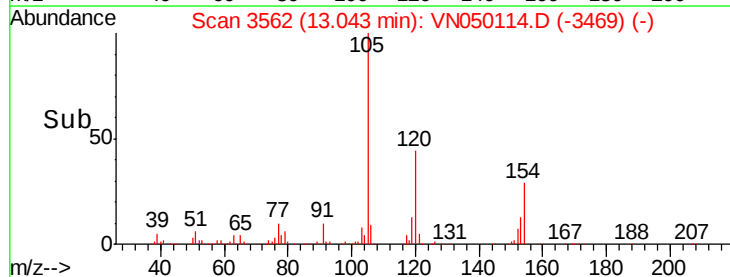
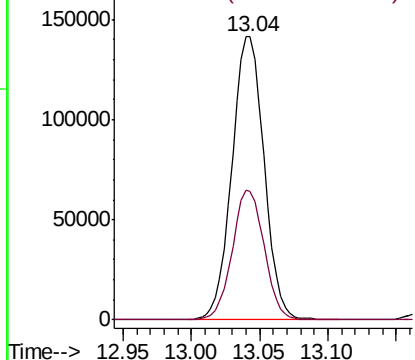


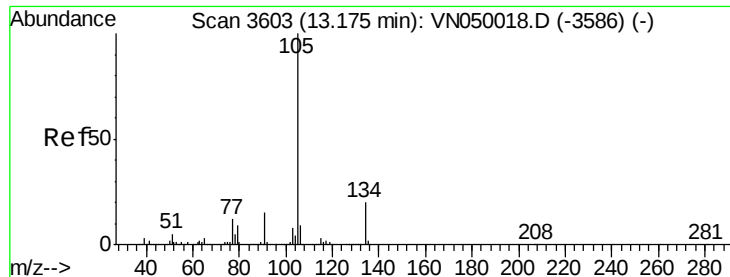
#84
1,2,4-Trimethylbenzene
Concen: 6.74 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion:105 Resp: 230269
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.83 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

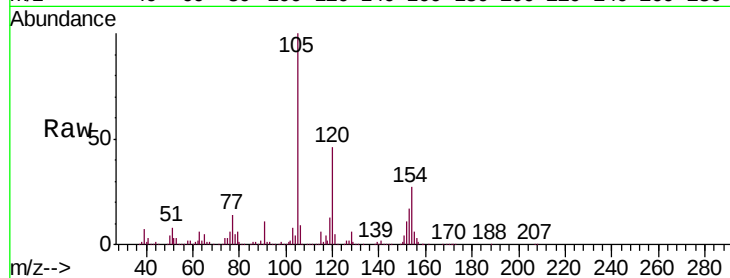
MW-7BS

Tot Ion:105 Resp: 230269

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.04

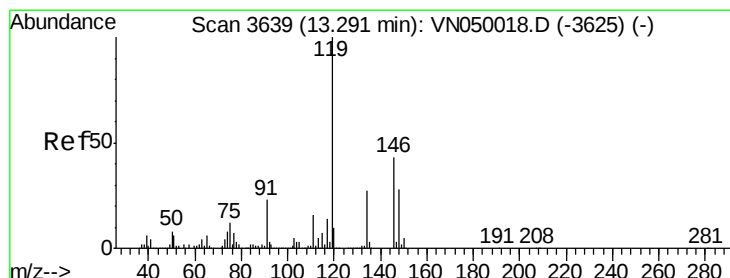
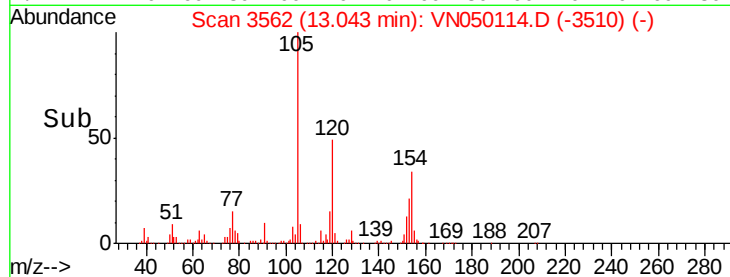
150000

100000

50000

0

Time--> 12.95 13.00 13.05 13.10



#86

p-Isopropyltoluene

Concen: 0.56 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

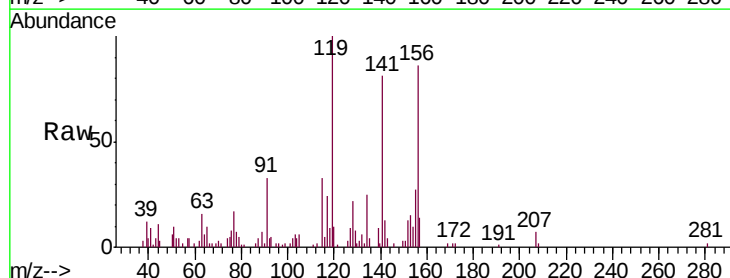
Tgt Ion:119 Resp: 18723

Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.8

91 25.5 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

80000

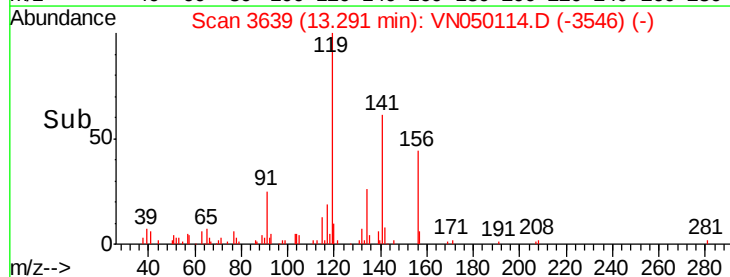
60000

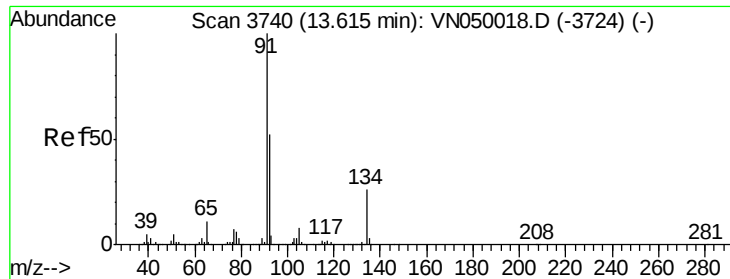
40000

20000

0

Time--> 13.25 13.30

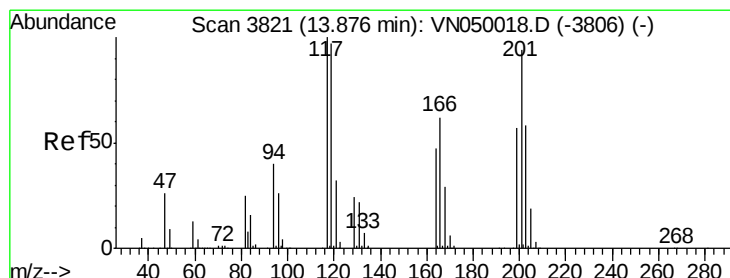
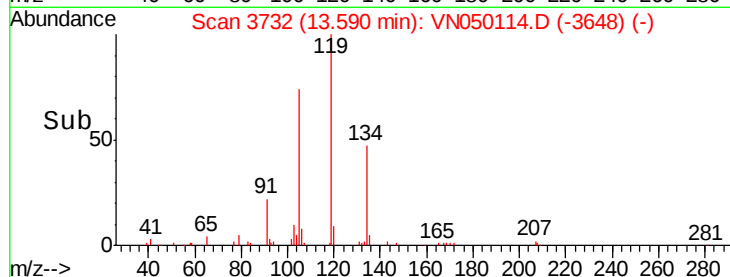
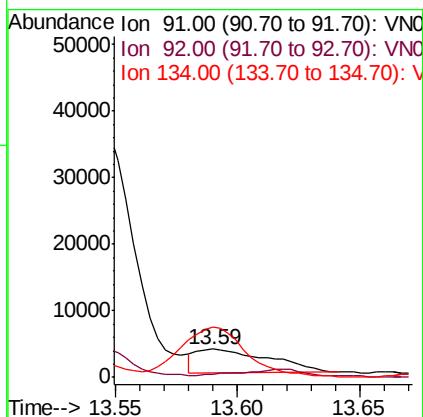
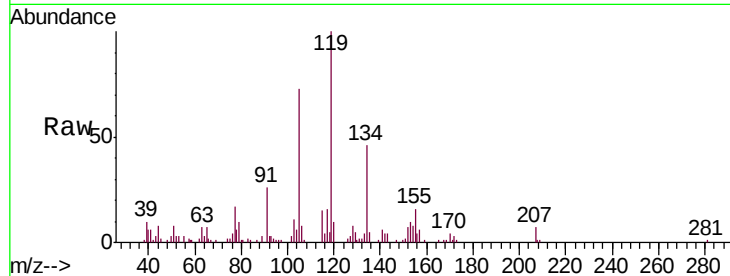




#89
n-Butylbenzene
Concen: 0.27 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. -0.03 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

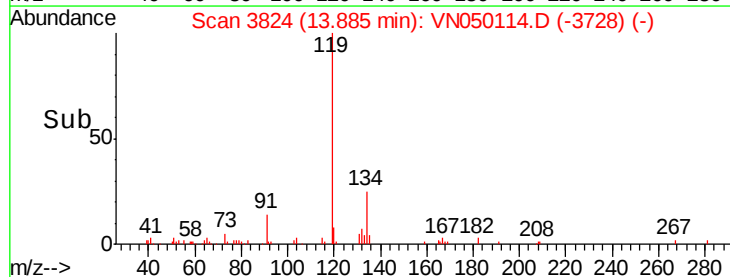
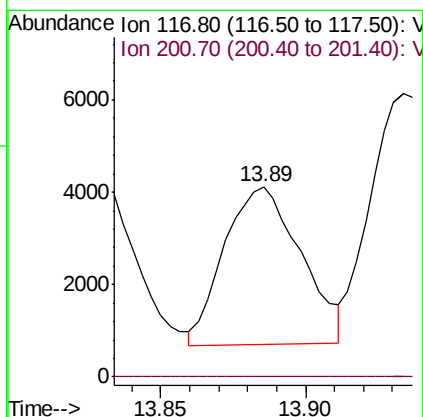
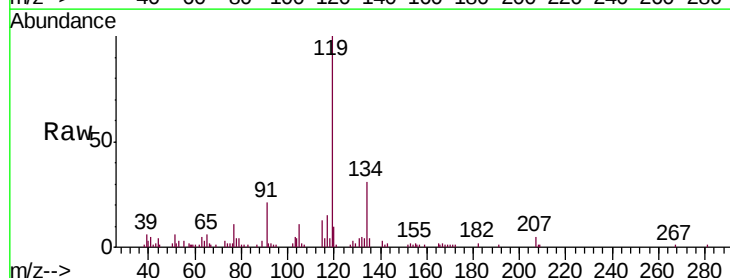
Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

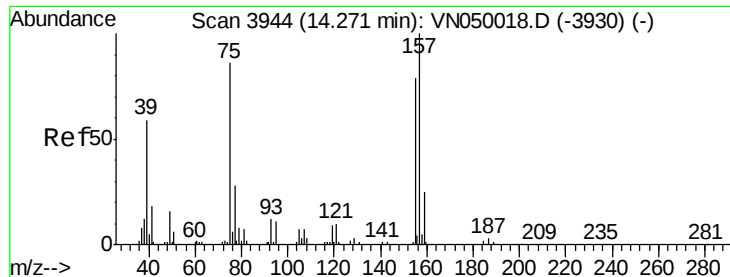
Tot Ion: 91 Resp: 7442
Ion Ratio Lower Upper
91 100
92 0.0 25.8 77.4#
134 193.9 12.8 38.4#



#90
Hexachloroethane
Concen: 0.85 ug/l
RT: 13.89 min Scan# 3824
Delta R.T. 0.01 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion: 117 Resp: 6281
Ion Ratio Lower Upper
117 100
201 0.0 45.6 136.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 7.62 ug/l

RT: 14.50 min Scan# 4015

Delta R.T. 0.23 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7BS

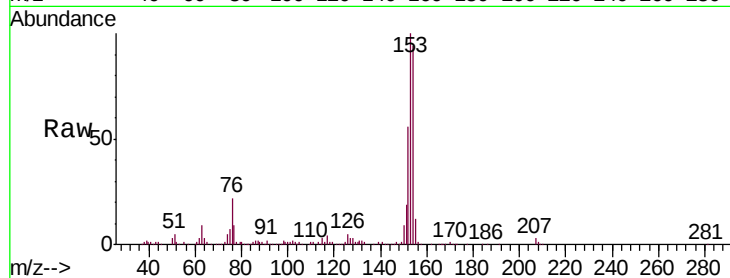
Tot Ion: 75 Resp: 15945

Ion Ratio Lower Upper

75 100

155 90.1 44.8 134.4

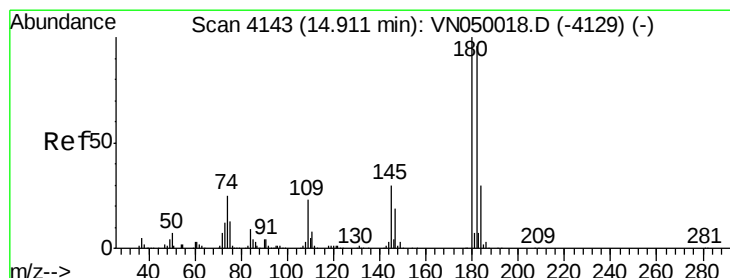
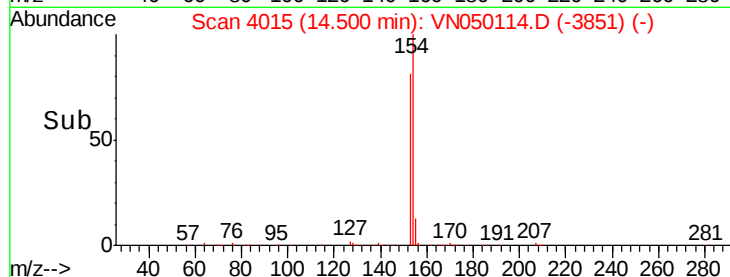
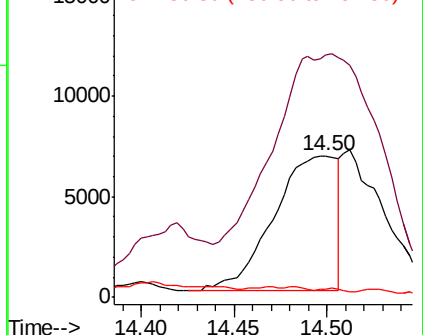
157 0.0 57.2 171.6#



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: 3.09 ug/l

RT: 14.75 min Scan# 4094

Delta R.T. -0.16 min

Lab File: VN050114.D

Acq: 27 Jul 2018 5:19

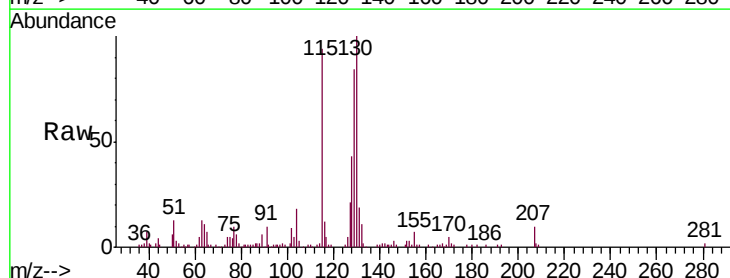
Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

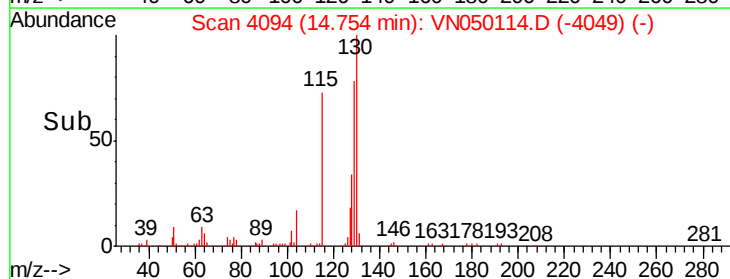
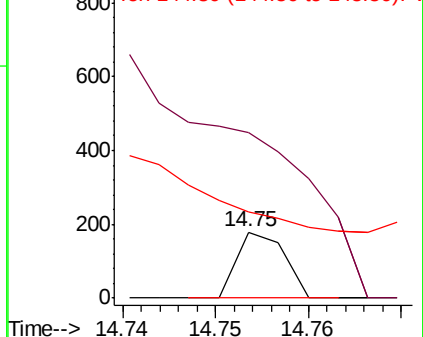
145 1041.3 13.8 41.4#

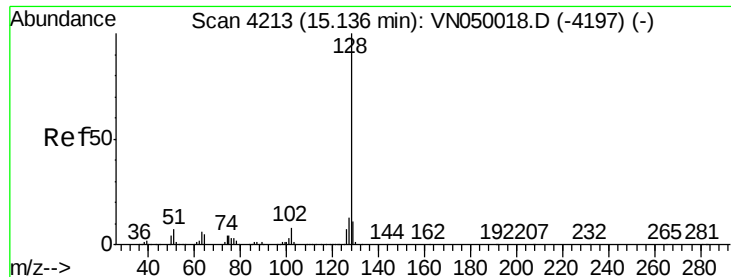


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

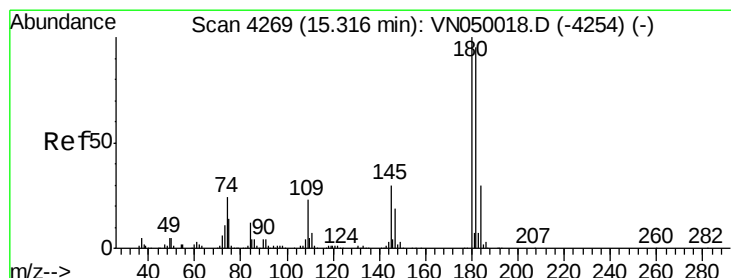
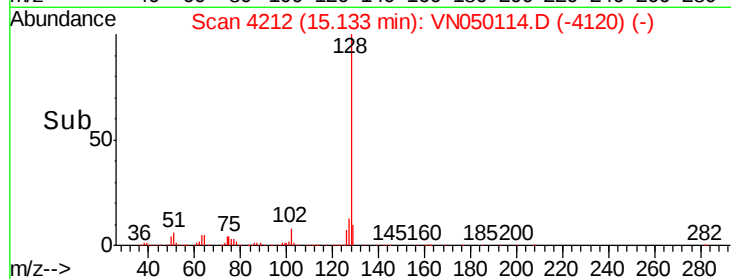
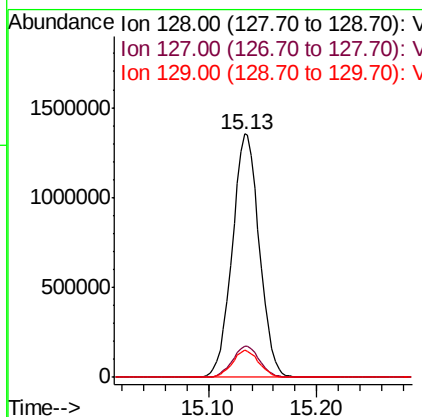
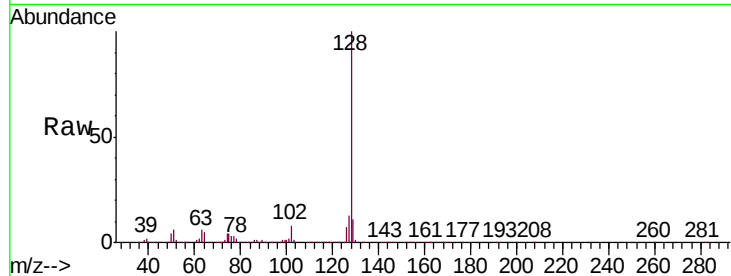




#95
Naphthalene
Concen: 89.15 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Instrument :
MSVOA_N
ClientSampleId :
MW-7BS

Tot Ion:128 Resp: 2357944
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 2.22 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050114.D
Acq: 27 Jul 2018 5:19

Tgt Ion:180 Resp: 158
Ion Ratio Lower Upper
180 100
182 124.7 48.1 144.4
145 400.0 15.3 45.9#

