

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050137.D
 Acq On : 27 Jul 2018 18:18
 Operator : MD\SY
 Sample : J4184-02DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

Quant Time: Jul 27 23:32:50 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	760771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1165629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1006057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	478842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	500956	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	7.60	113	442417	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.09	98	1592474	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
62) 4-Bromofluorobenzene	12.41	95	523751	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds

						Qvalue
5) Bromomethane	2.56	94	1780	Below Cal	#	79
11) Tert butyl alcohol	4.74	59	472	0.60	ug/l #	72
16) Acetone	3.82	43	4551	Below Cal		95
18) Methyl Acetate	4.34	43	8489	Below Cal		99
20) Methylene Chloride	4.55	84	678	Below Cal	#	64
25) 2-Butanone	6.84	43	1959	0.48	ug/l #	48
31) Cyclohexane	7.67	56	17059	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	51318	3.91	ug/l #	48
38) Carbon Tetrachloride	7.67	117	67507	4.84	ug/l #	16
39) Methylcyclohexane	9.08	83	7272	0.54	ug/l	97
40) Benzene	8.05	78	1051115	26.30	ug/l	100
41) Methacrylonitrile	7.21	41	254	2.80	ug/l #	21
42) 1,2-Dichloroethane	8.05	62	8859	0.66	ug/l	98
43) Isopropyl Acetate	8.27	43	72768	3.15	ug/l #	61
52) Toluene	10.16	92	1173767	49.76	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	12600	0.96	ug/l #	1
56) Ethyl methacrylate	10.42	69	92	2.04	ug/l #	26
59) 2-Hexanone	10.76	43	753	5.29	ug/l #	37
67) Ethyl Benzene	11.52	91	2003825	49.09	ug/l	99
68) m/p-Xylenes	11.62	106	1035944	67.09	ug/l	100
69) o-Xylene	11.95	106	328653	22.33	ug/l	99
70) Styrene	11.97	104	145220	6.37	ug/l #	72
71) Bromoform	12.41	173	3896	0.55	ug/l #	1
73) Isopropylbenzene	12.25	105	71371	1.92	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.40	83	461	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	252480	28.37	ug/l #	100
78) n-propylbenzene	12.59	91	50715	1.22	ug/l	99
79) 2-Chlorotoluene	12.66	91	72946	2.84	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.74	105	154279	5.28	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	252480	89.99	ug/l #	13
82) 4-Chlorotoluene	12.74	91	13810	0.54	ug/l #	41
83) tert-Butylbenzene	13.04	119	44517	1.75	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.04	105	344155	11.69	ug/l	99
85) sec-Butylbenzene	13.04	105	344155	10.10	ug/l #	56

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

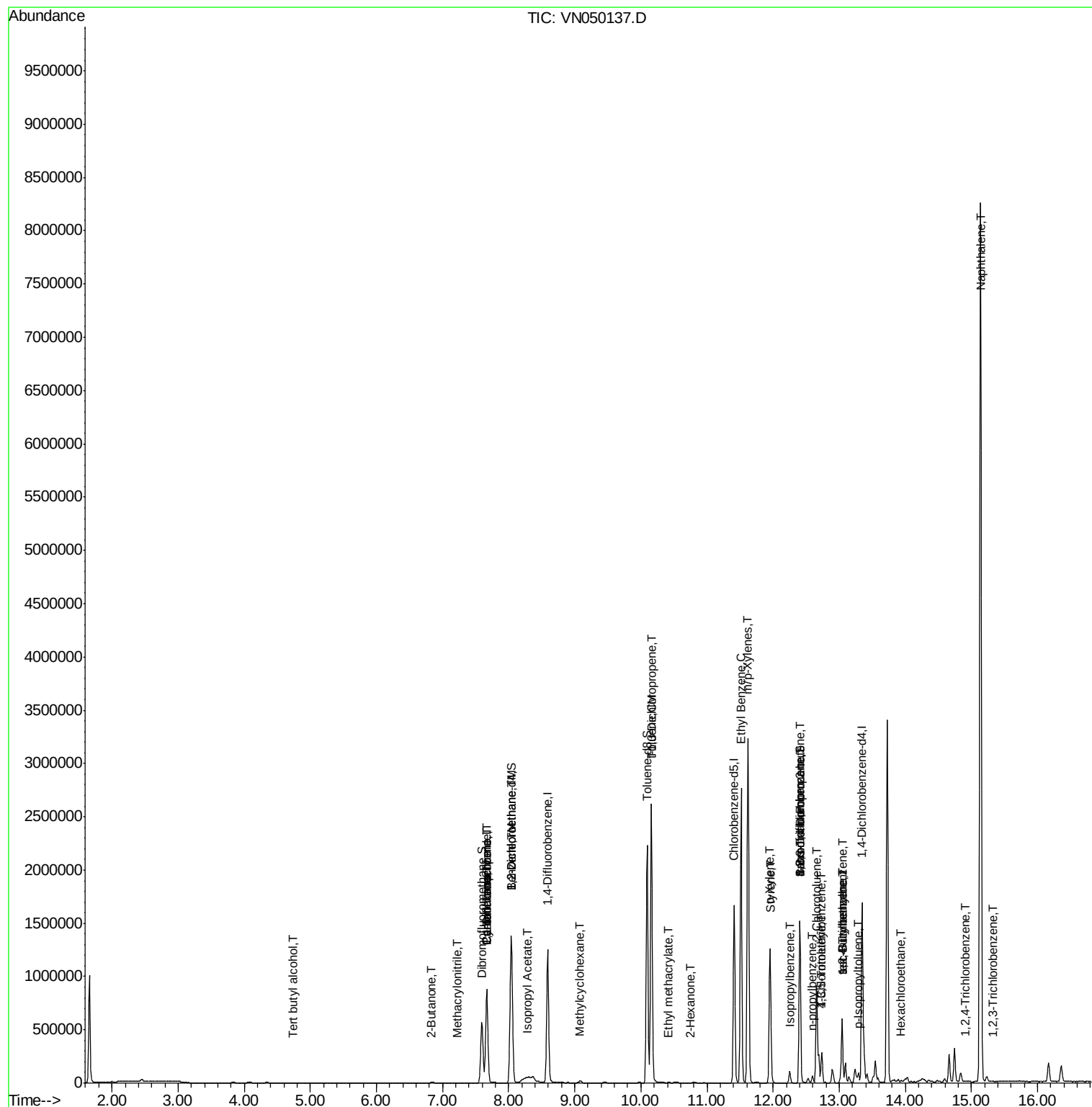
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.29	119	46011	1.60	ug/l	97
90) Hexachloroethane	13.94	117	7330	1.15	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.26	75	164	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1235	3.21	ug/l #	89
95) Naphthalene	15.14	128	7118381	301.18	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1229	2.34	ug/l	90

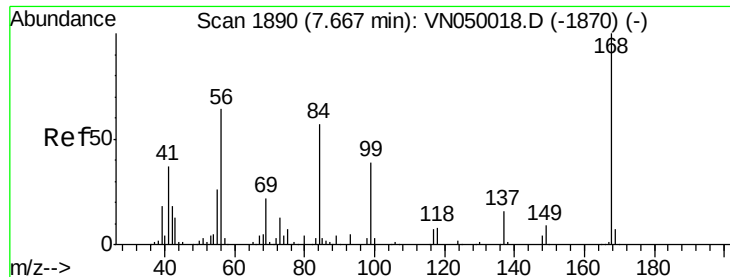
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072718\
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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: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

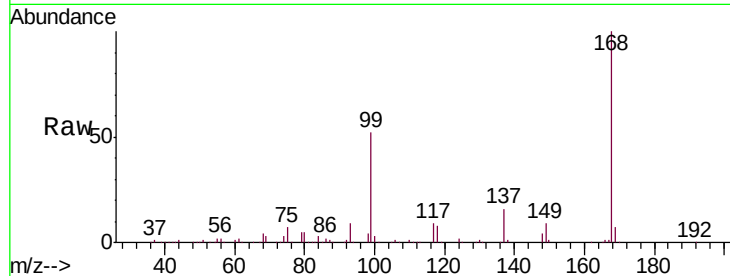
MW-7BD

Tot Ion:168 Resp: 760771

Ion Ratio Lower Upper

168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050137.D (-1798) (-)

Ion 98.90 (98.60 to 99.60): VN050137.D (-1798) (-)

7.67

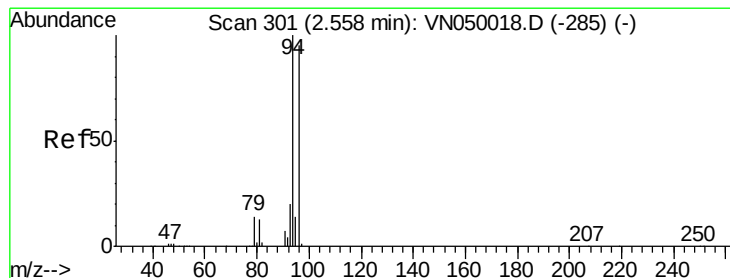
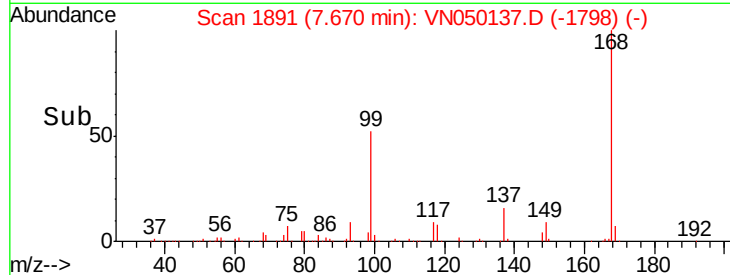
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050137.D

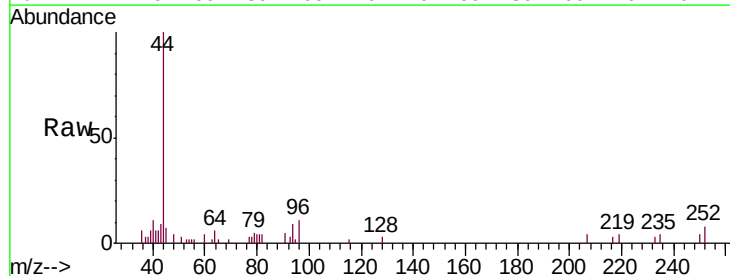
Acq: 27 Jul 2018 18:18

Tgt Ion: 94 Resp: 1780

Ion Ratio Lower Upper

94 100

96 113.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050137.D (-206) (-)

Ion 95.90 (95.60 to 96.60): VN050137.D (-206) (-)

2.56

800

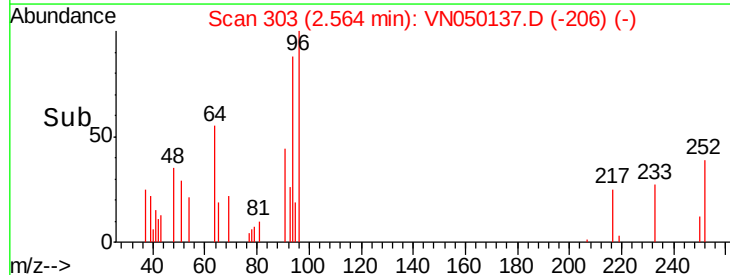
600

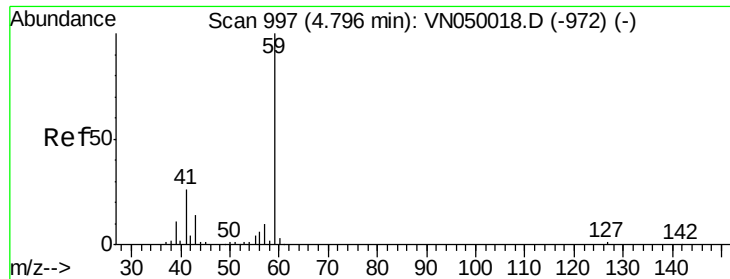
400

200

0

Time-->

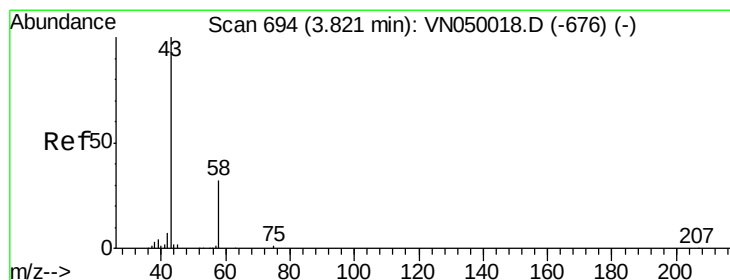
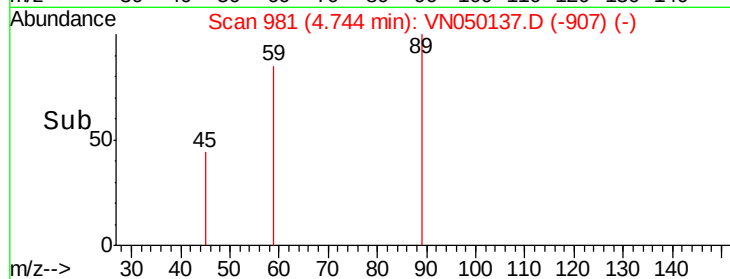
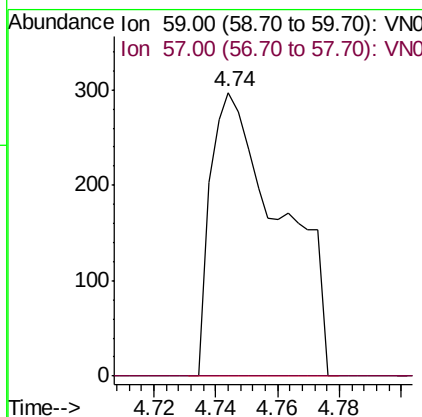
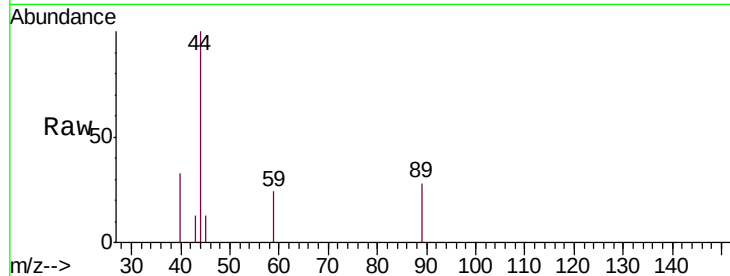




#11
Tert butyl alcohol
Concen: 0.60 ug/l
RT: 4.74 min Scan# 981
Delta R.T. -0.06 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

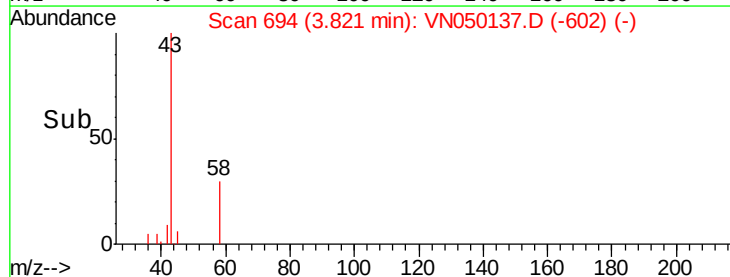
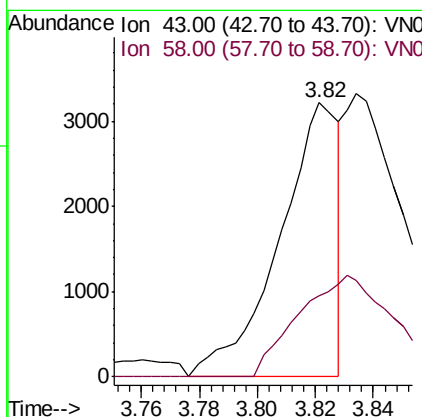
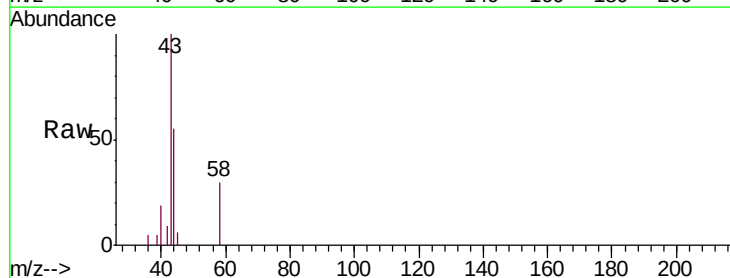
Instrument :
MSVOA_N
ClientSampled :
MW-7BD

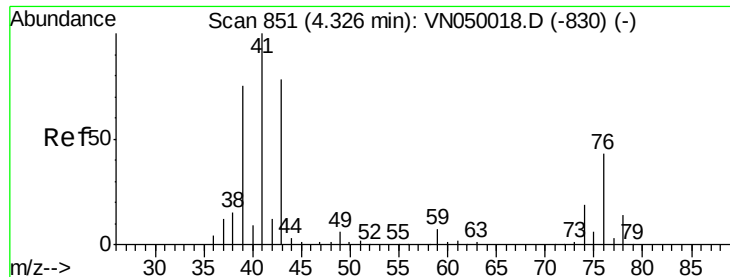
Tot Ion: 59 Resp: 472
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion: 43 Resp: 4551
Ion Ratio Lower Upper
43 100
58 29.6 25.8 38.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

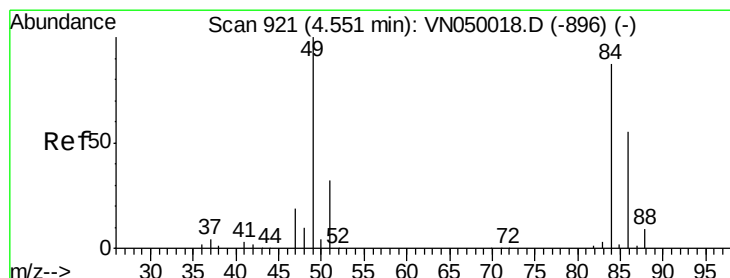
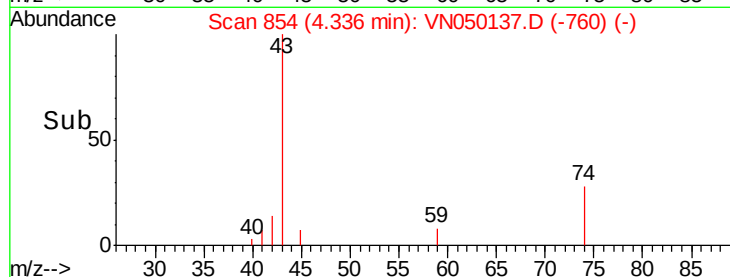
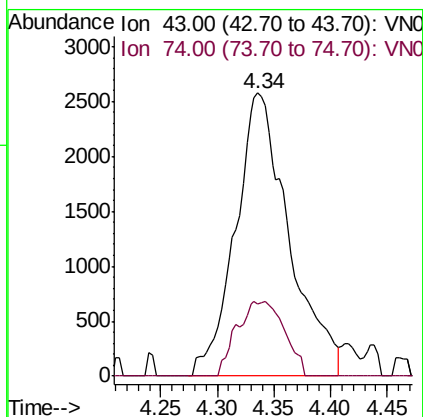
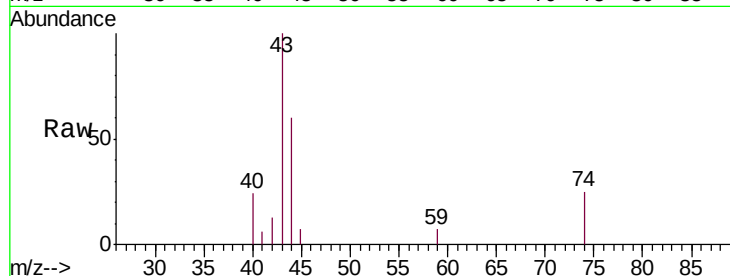
MW-7BD

Tot Ion: 43 Resp: 8489

Ion Ratio Lower Upper

43 100

74 23.4 19.2 28.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Tgt Ion: 84 Resp: 678

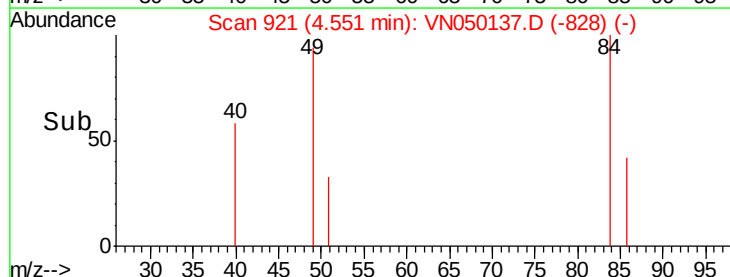
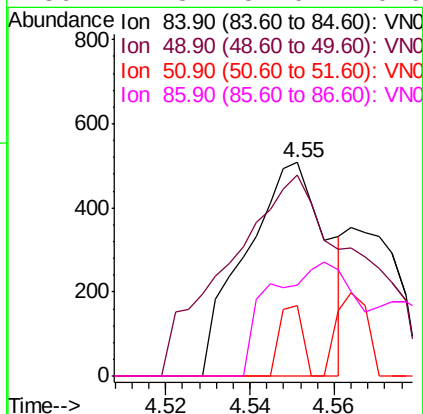
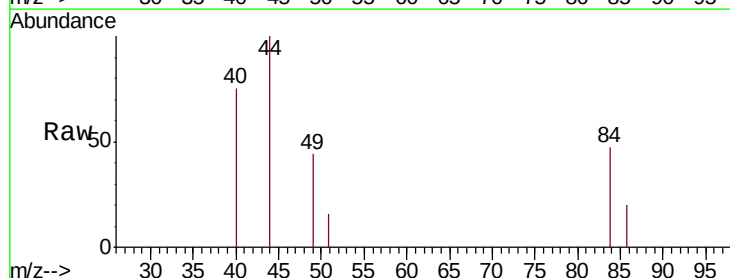
Ion Ratio Lower Upper

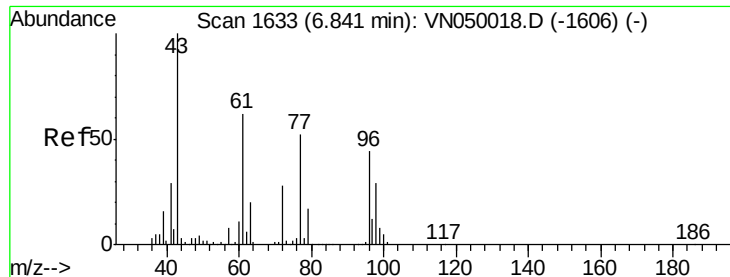
84 100

49 63.0 94.8 142.2#

51 33.3 28.3 42.5

86 42.3 51.0 76.6#





#25

2-Butanone

Concen: 0.48 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

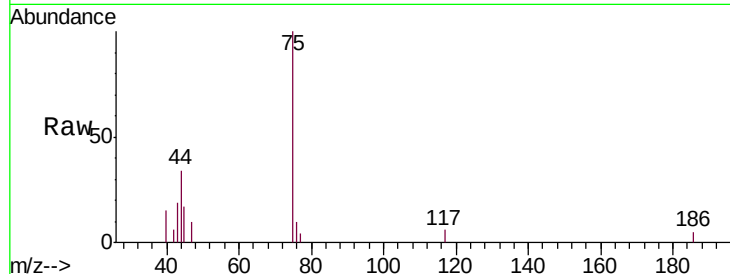
MW-7BD

Tot Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

6.85

6.86

6.87

6.88

6.89

6.90

6.91

6.92

6.93

6.94

6.95

6.96

6.97

6.98

6.99

7.00

7.01

7.02

7.03

7.04

7.05

7.06

7.07

7.08

7.09

7.10

7.11

7.12

7.13

7.14

7.15

7.16

7.17

7.18

7.19

7.20

7.21

7.22

7.23

7.24

7.25

7.26

7.27

7.28

7.29

7.30

7.31

7.32

7.33

7.34

7.35

7.36

7.37

7.38

7.39

7.40

7.41

7.42

7.43

7.44

7.45

7.46

7.47

7.48

7.49

7.50

7.51

7.52

7.53

7.54

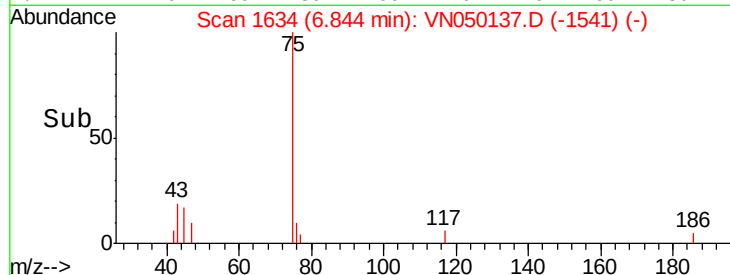
7.55

7.56

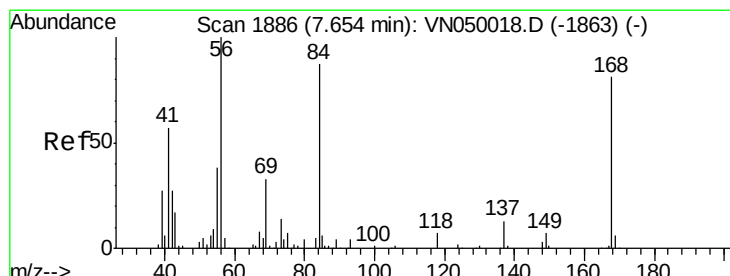
7.57

7.58

7.59



Time-->



#31

Cyclohexane

Concen: 1.10 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

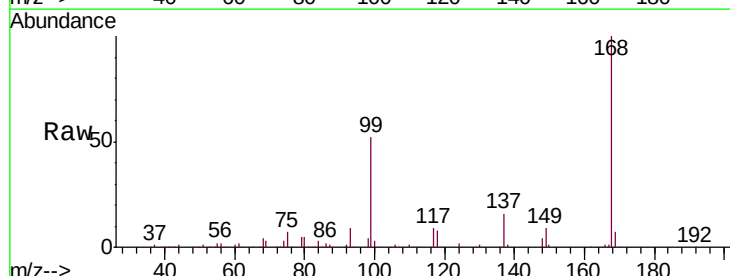
Tgt Ion: 56 Resp: 17059

Ion Ratio Lower Upper

56 100

69 156.7 26.2 39.4#

84 134.8 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

7.67

7.68

7.69

7.70

7.71

7.72

7.73

7.74

7.75

7.76

7.77

7.78

7.79

7.80

7.81

7.82

7.83

7.84

7.85

7.86

7.87

7.88

7.89

7.90

7.91

7.92

7.93

7.94

7.95

7.96

7.97

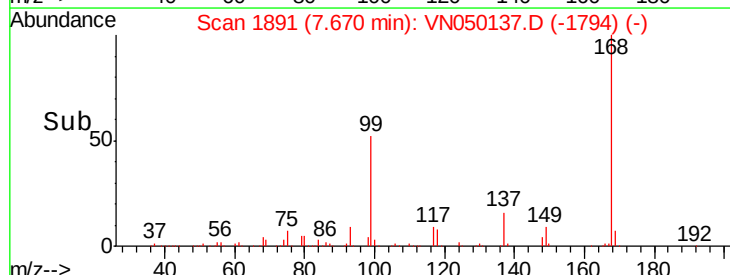
7.98

7.99

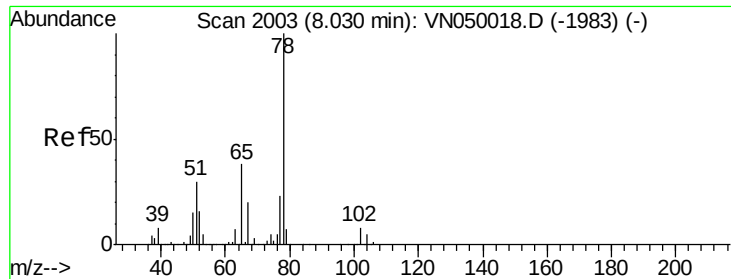
8.00

8.01

8.02



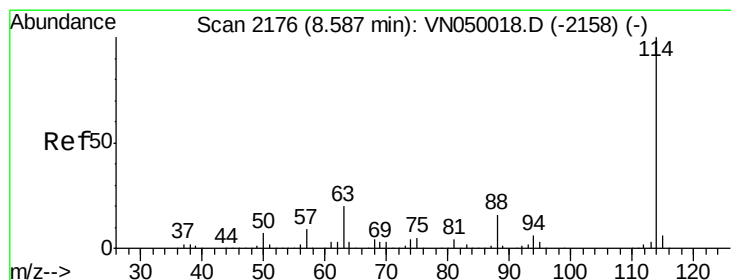
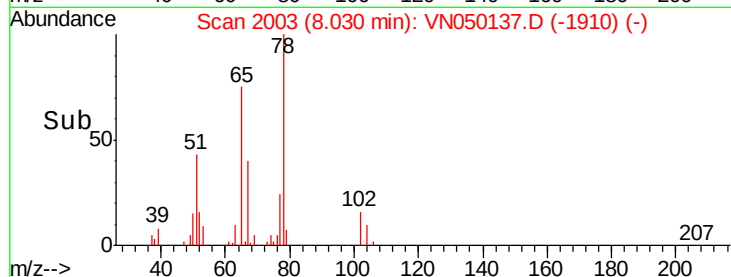
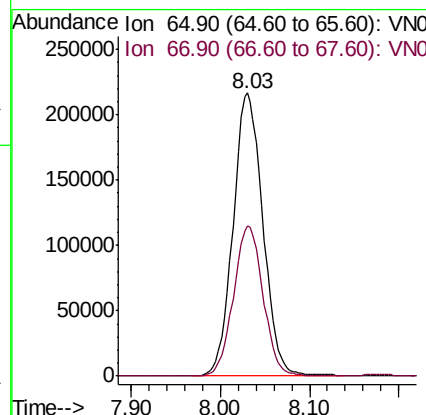
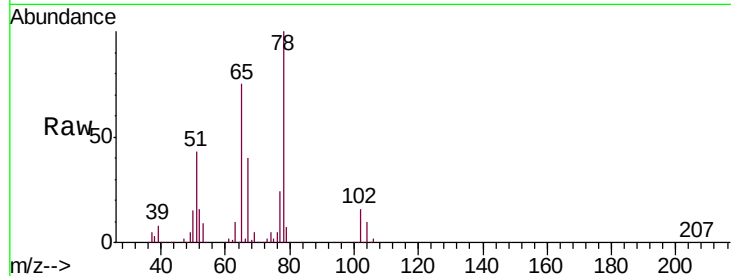
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 47.20 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

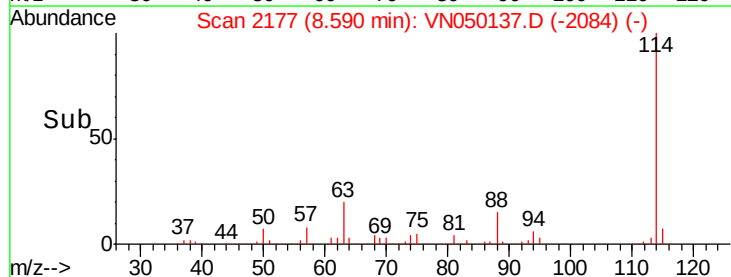
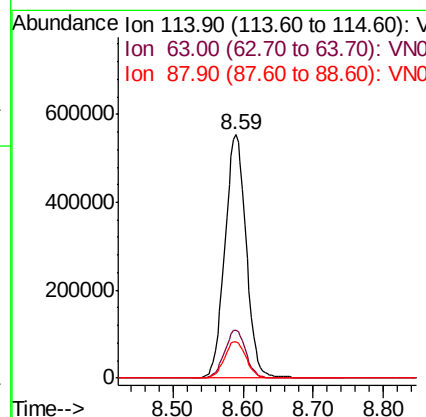
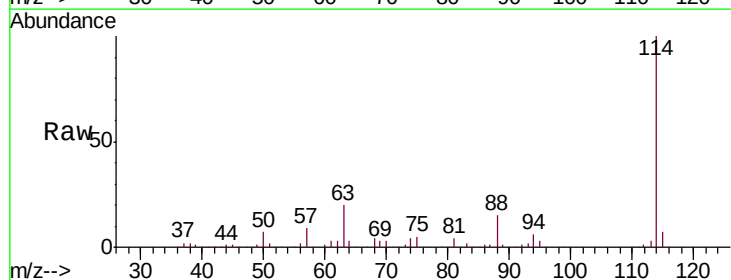
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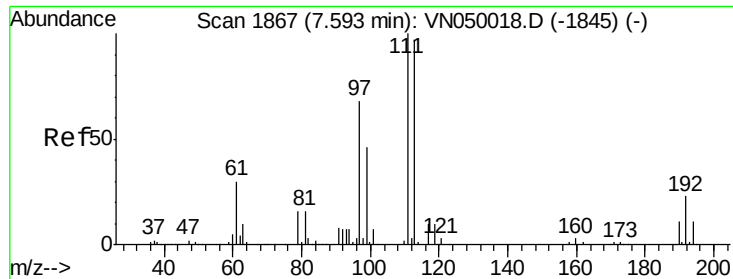
Tot Ion: 65 Resp: 500956
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

Tgt Ion: 114 Resp: 1165629
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.1 0.0 31.2

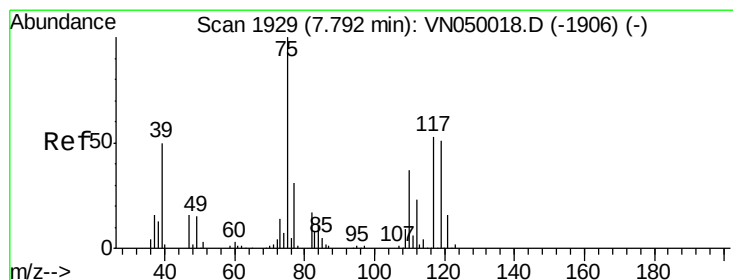
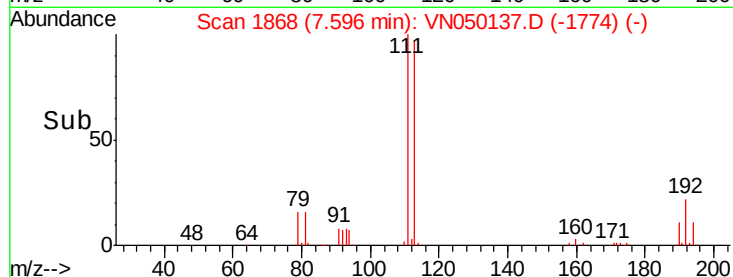
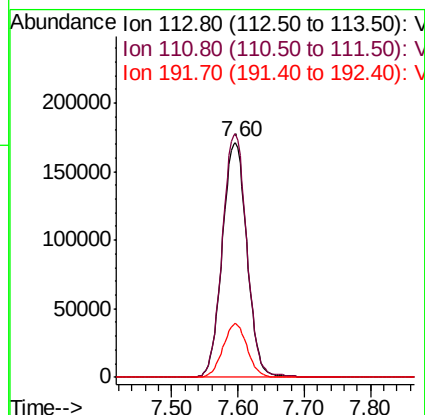
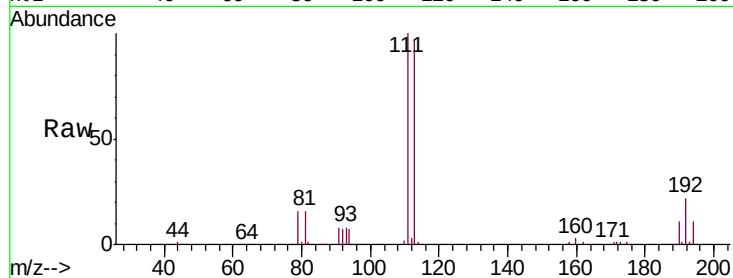




#35
 Dibromofluoromethane
 Concen: 46.49 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

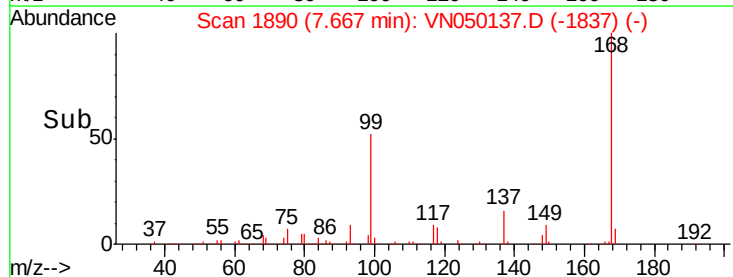
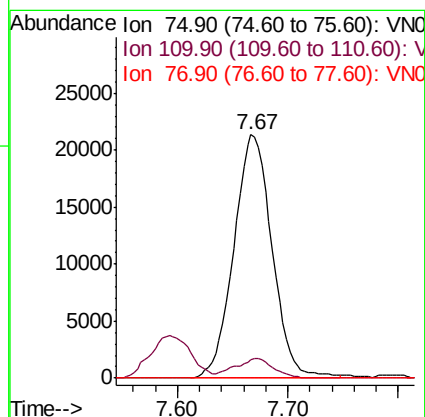
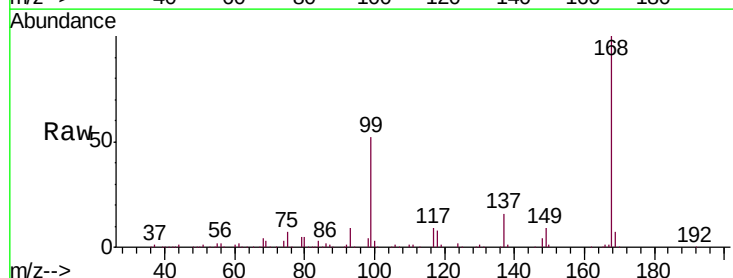
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

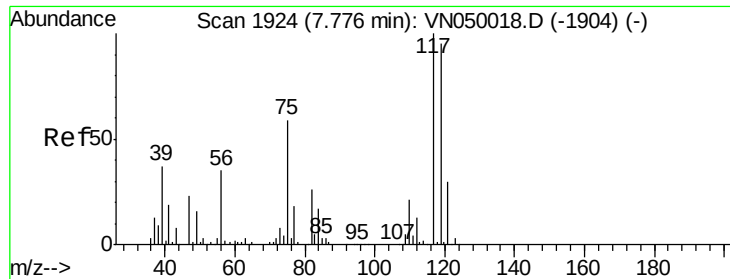
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	22.4	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

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

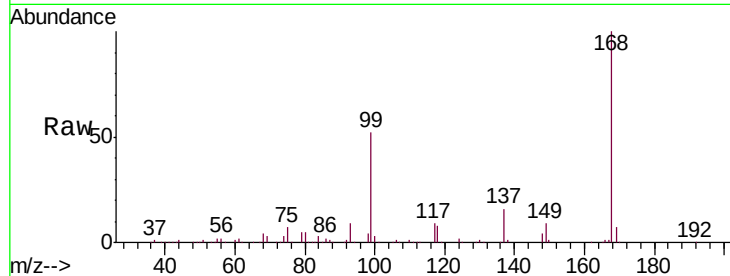




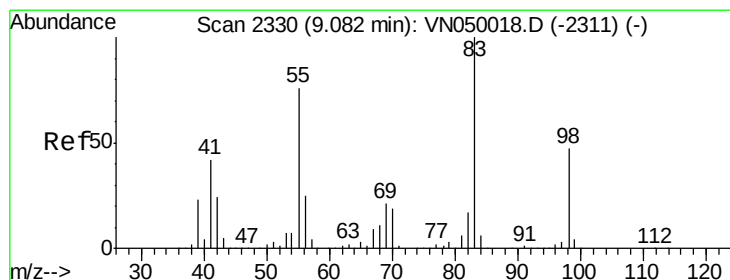
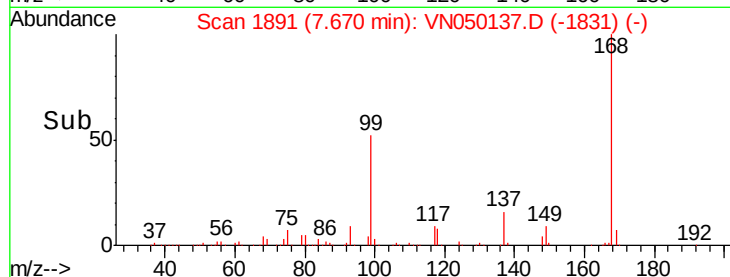
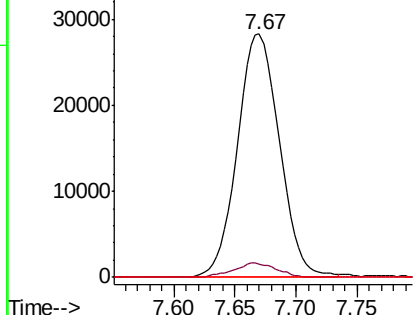
#38
Carbon Tetrachloride
Concen: 4.84 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Instrument :
MSVOA_N
ClientSampled :
MW-7BD

Tot Ion:117 Resp: 67507
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 23.9 35.9#

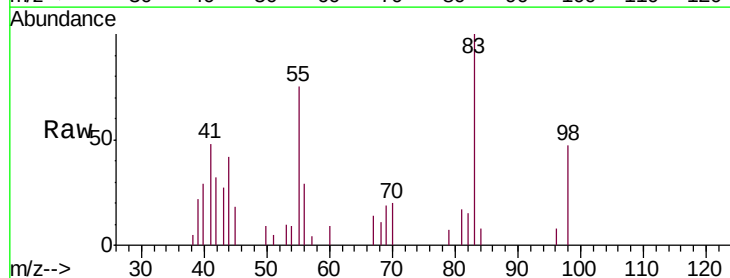


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

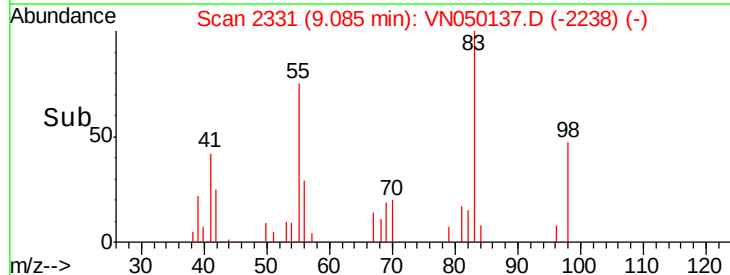
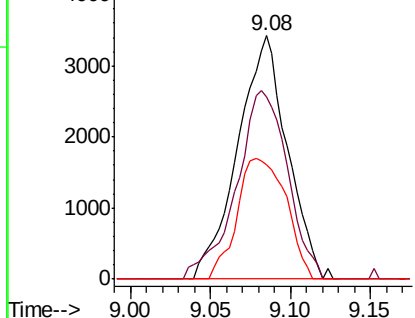


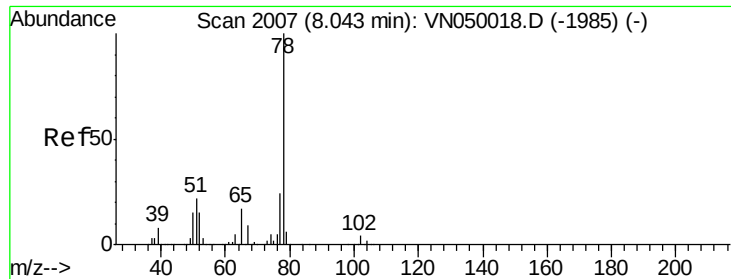
#39
Methylcyclohexane
Concen: 0.54 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion: 83 Resp: 7272
Ion Ratio Lower Upper
83 100
55 74.8 61.8 92.8
98 47.1 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 26.30 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

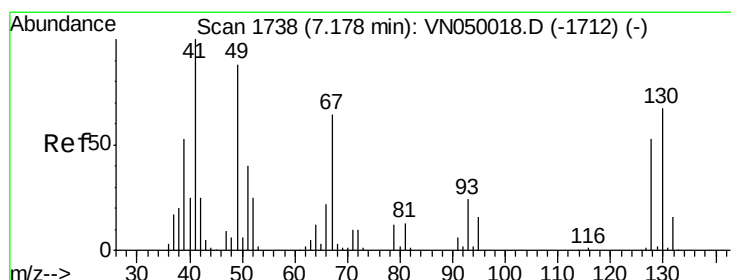
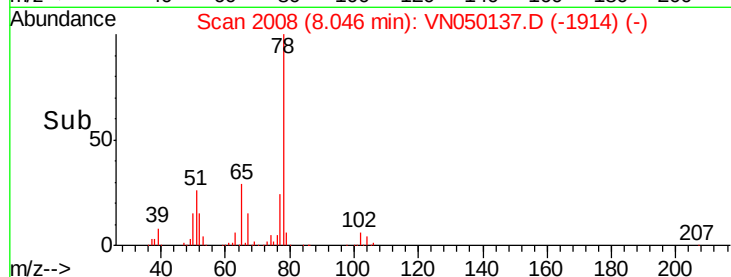
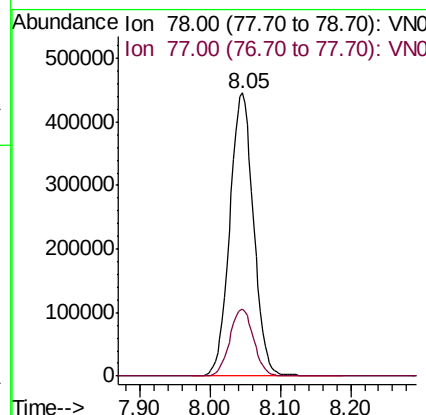
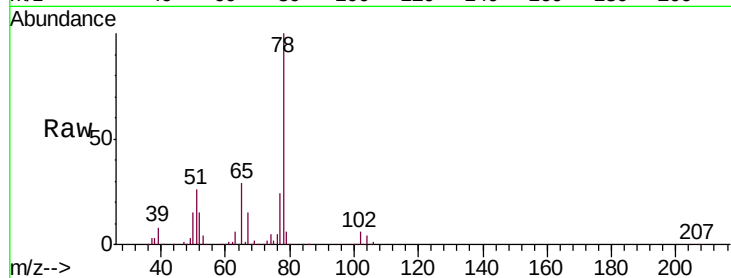
MW-7BD

Tot Ion: 78 Resp: 1051115

Ion Ratio Lower Upper

78 100

77 23.6 18.7 28.1



#41

Methacrylonitrile

Concen: 2.80 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. 0.04 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Tgt Ion: 41 Resp: 254

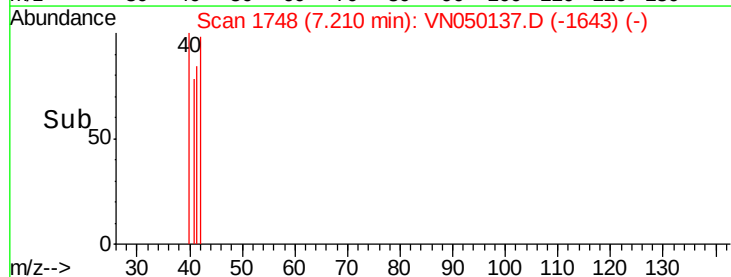
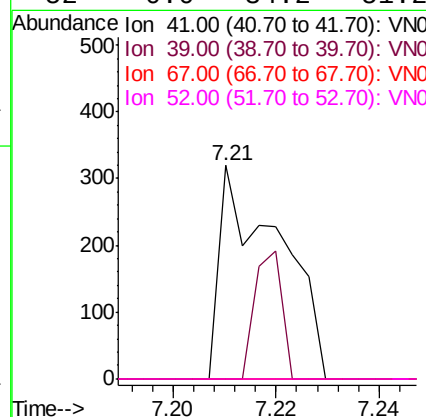
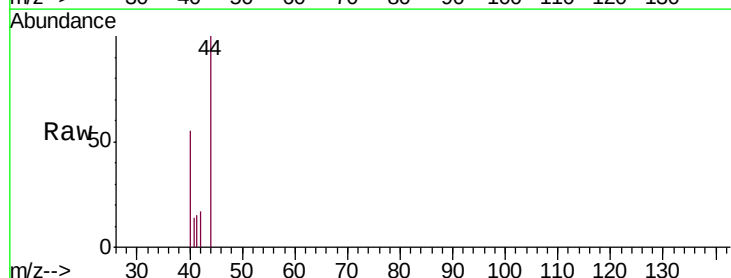
Ion Ratio Lower Upper

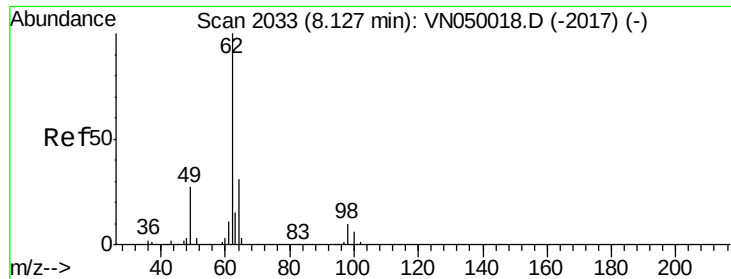
41 100

39 27.2 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

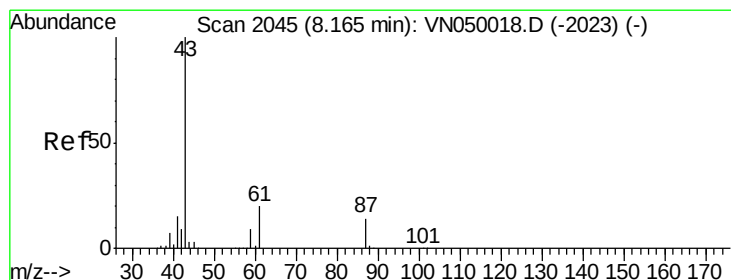
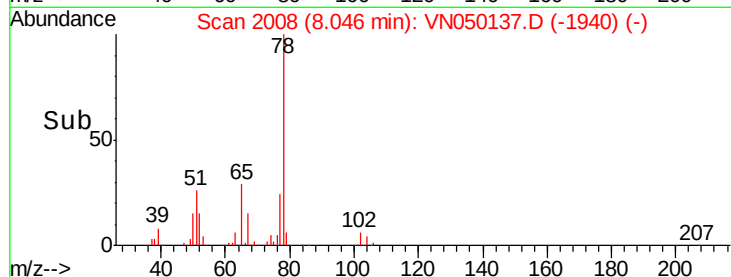
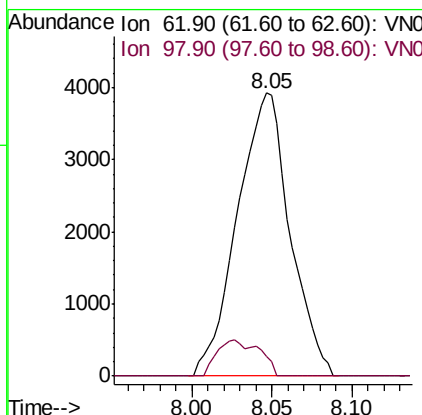
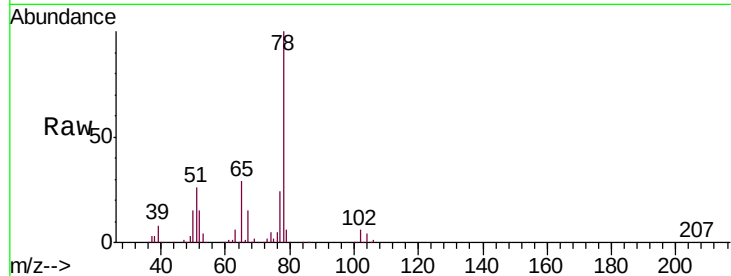




#42
 1,2-Dichloroethane
 Concen: 0.66 ug/l
 RT: 8.05 min Scan# 2008
 Delta R.T. -0.08 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

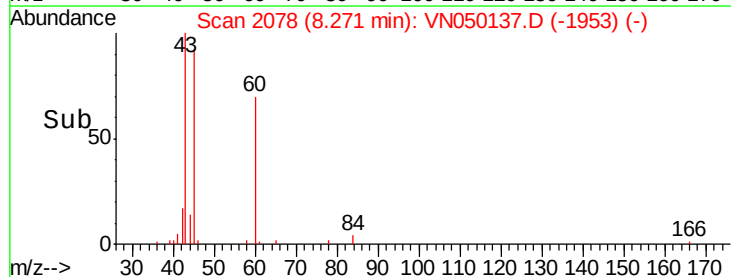
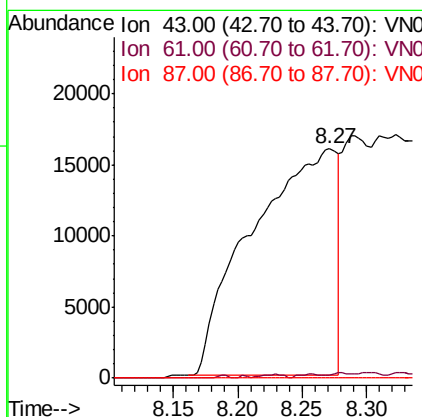
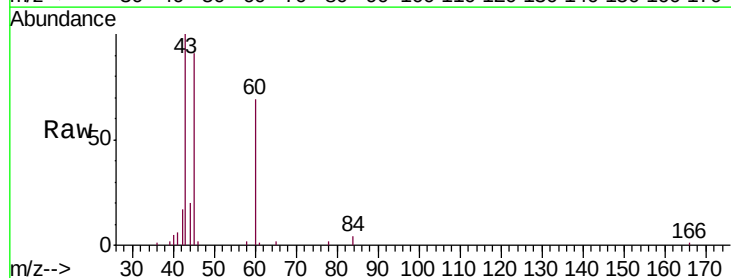
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

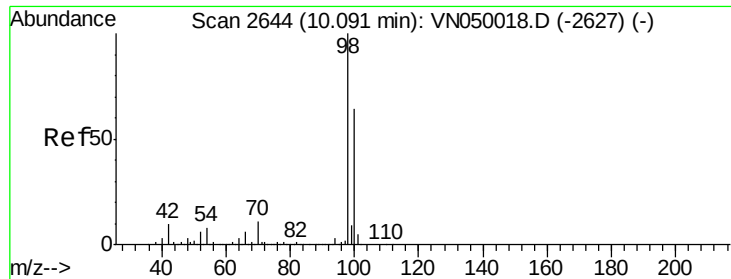
Tot Ion: 62 Resp: 8859
 Ion Ratio Lower Upper
 62 100
 98 10.2 0.0 18.8



#43
 Isopropyl Acetate
 Concen: 3.15 ug/l
 RT: 8.27 min Scan# 2078
 Delta R.T. 0.10 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

Tgt Ion: 43 Resp: 72768
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.6#
 87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 45.51 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

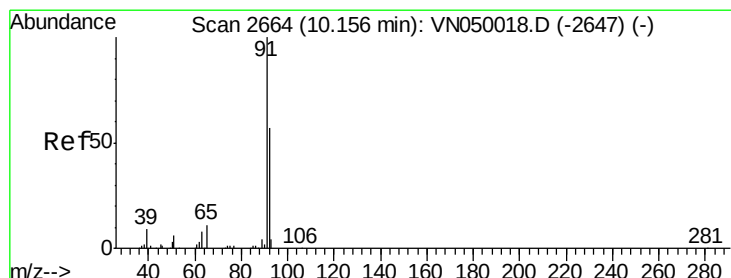
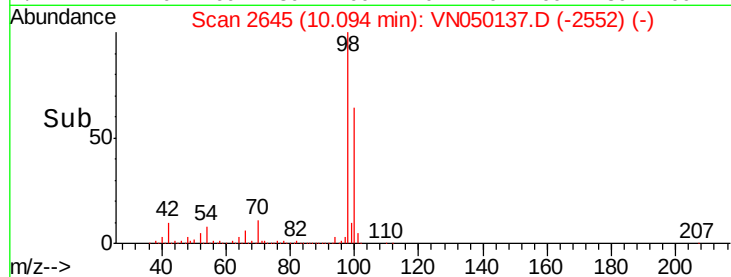
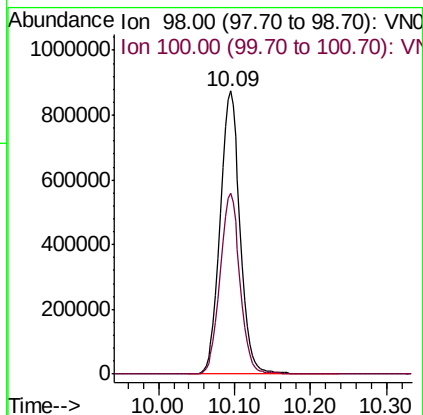
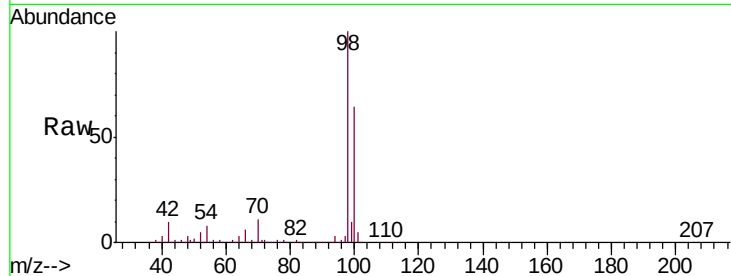
MW-7BD

Tot Ion: 98 Resp: 1592474

Ion Ratio Lower Upper

98 100

100 64.0 50.7 76.1



#52

Toluene

Concen: 49.76 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050137.D

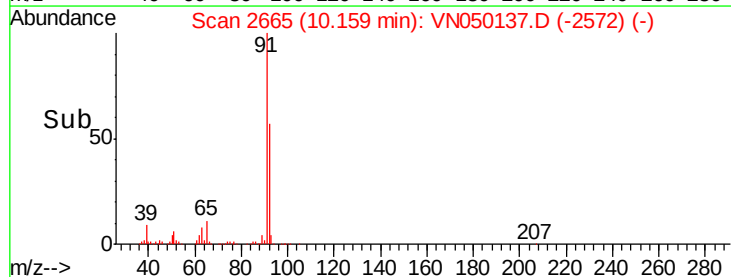
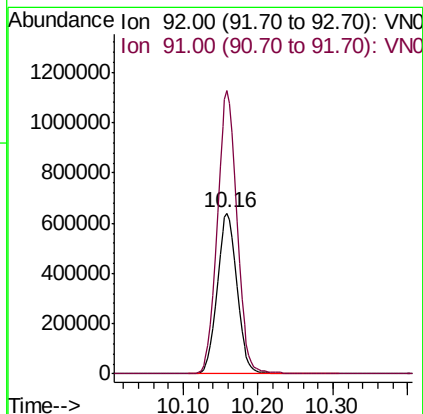
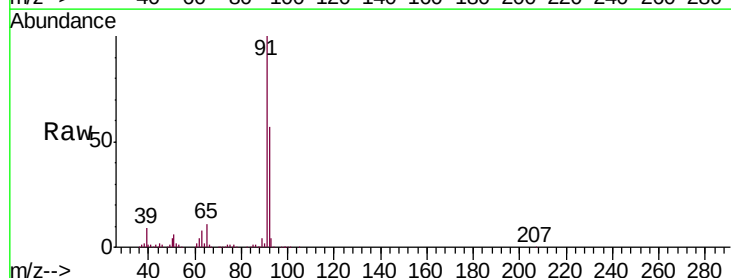
Acq: 27 Jul 2018 18:18

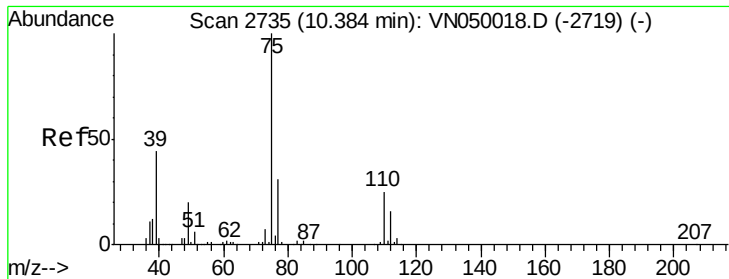
Tgt Ion: 92 Resp: 1173767

Ion Ratio Lower Upper

92 100

91 175.3 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 0.96 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.23 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

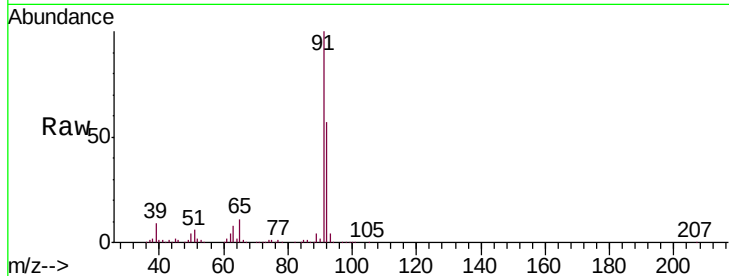
MW-7BD

Tot Ion: 75 Resp: 12600

Ion Ratio Lower Upper

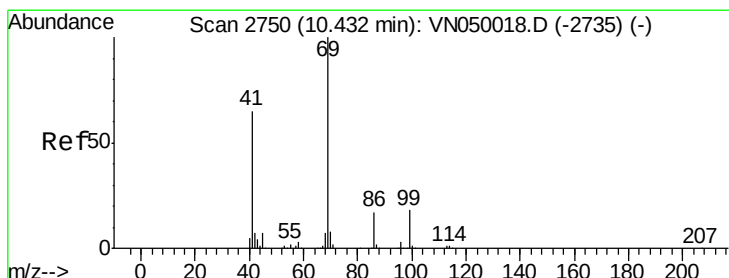
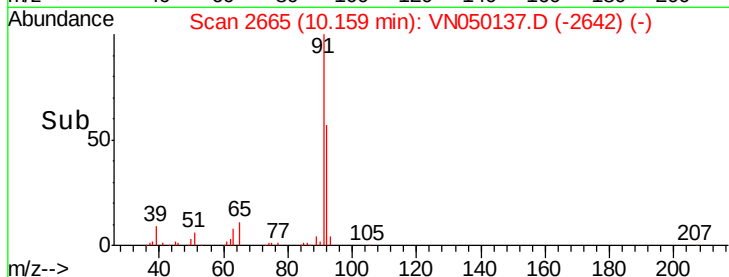
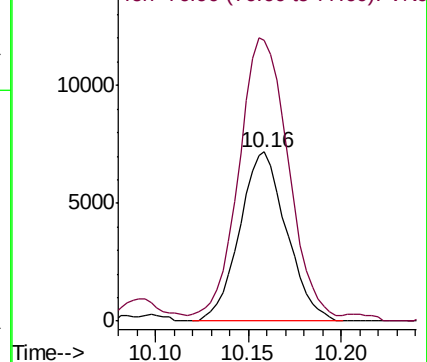
75 100

77 162.8 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: 2.04 ug/l

RT: 10.42 min Scan# 2746

Delta R.T. -0.01 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

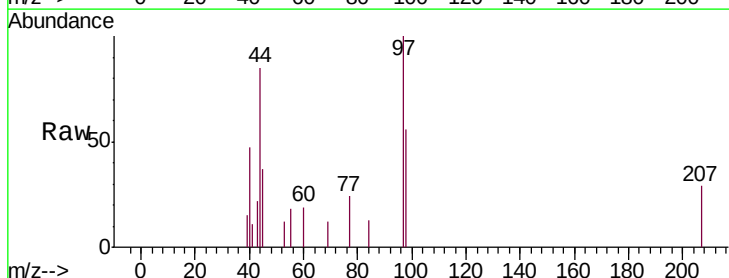
Tgt Ion: 69 Resp: 92

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

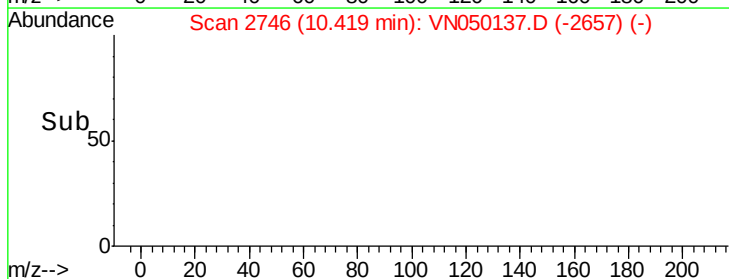
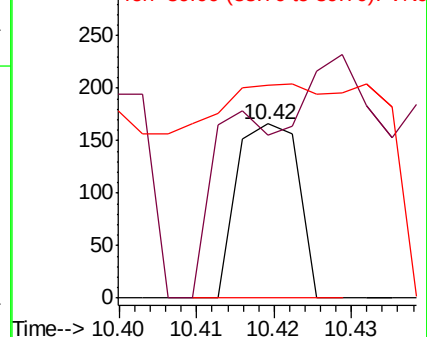
39 0.0 26.6 40.0#

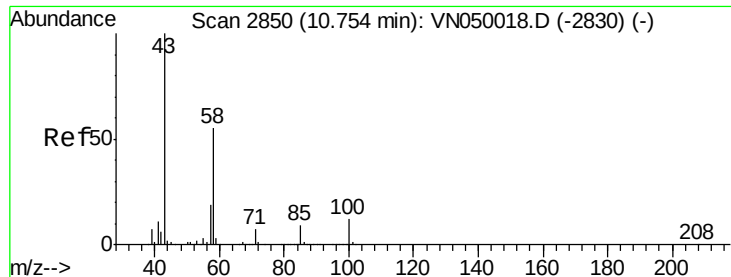


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

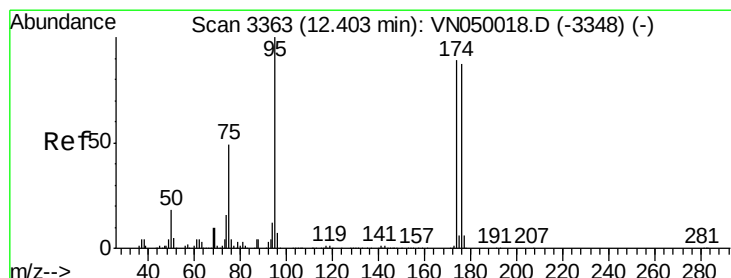
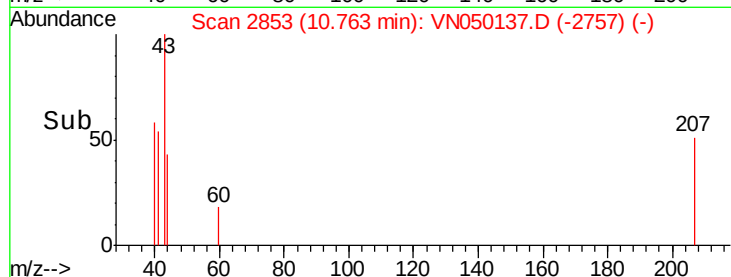
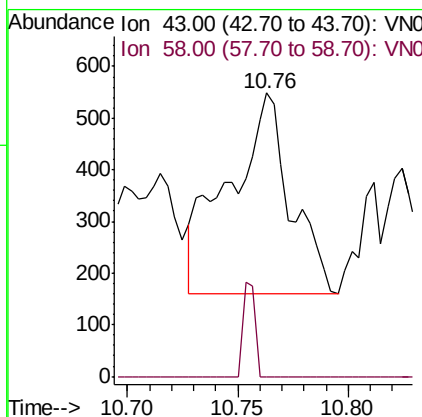
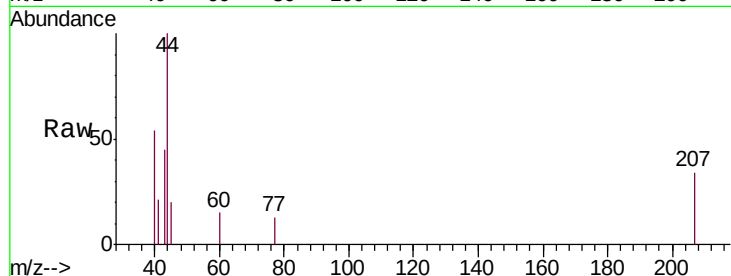




#59
2-Hexanone
Concen: 5.29 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

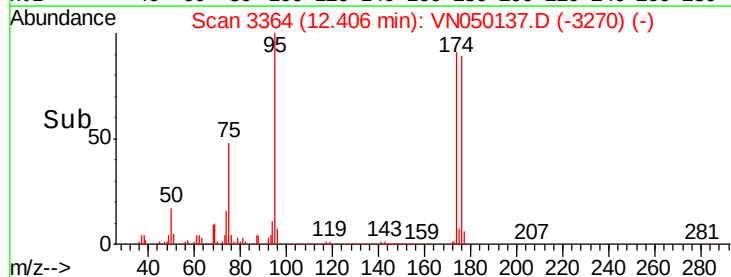
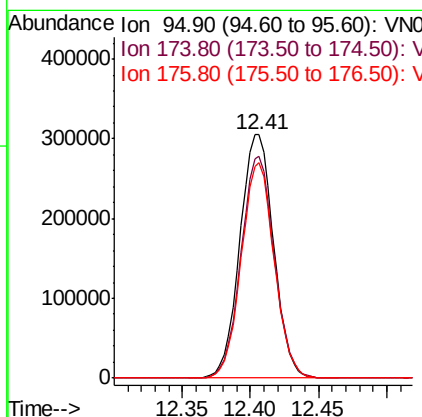
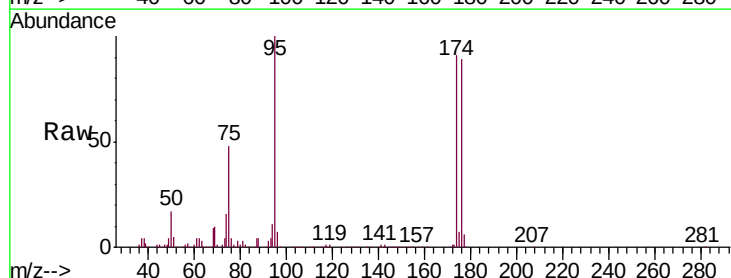
Instrument :
MSVOA_N
ClientSampled :
MW-7BD

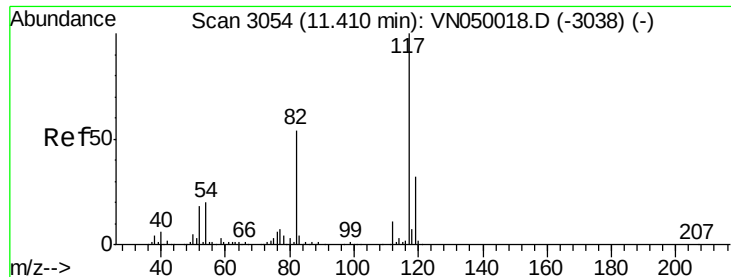
Tot Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 9.2 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 45.46 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion: 95 Resp: 523751
Ion Ratio Lower Upper
95 100
174 89.9 0.0 178.2
176 86.4 0.0 173.4

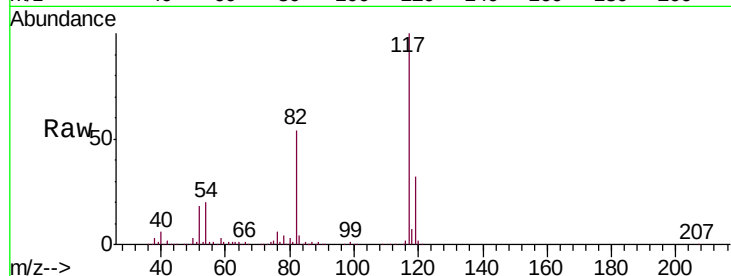




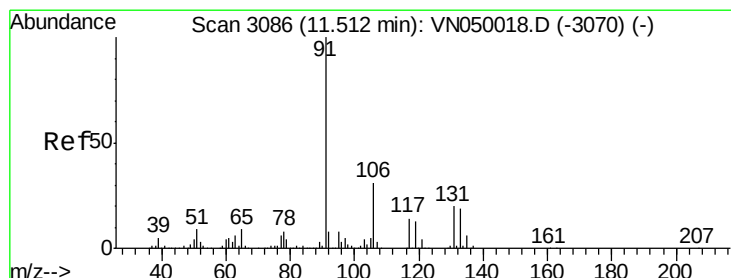
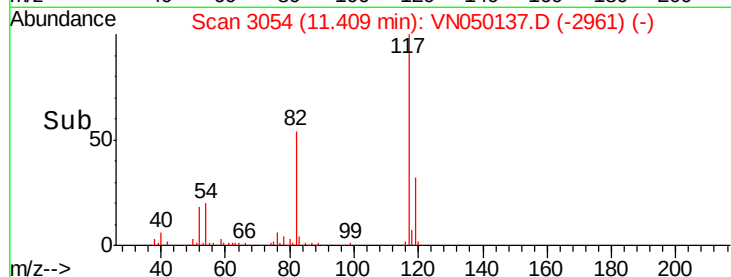
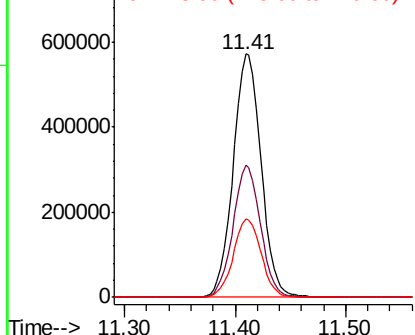
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :
MW-7BD

Tot Ion:117 Resp: 1006057
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.0 26.1 39.1

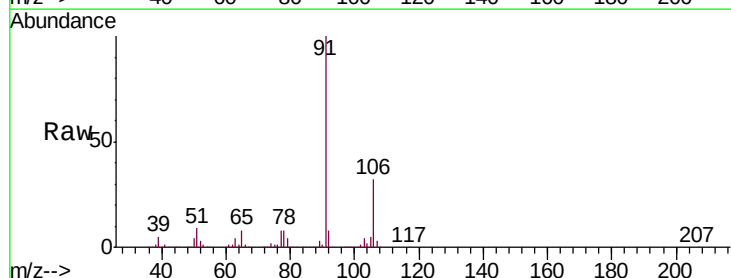


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

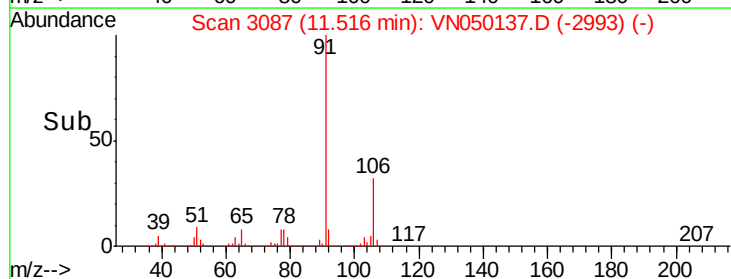
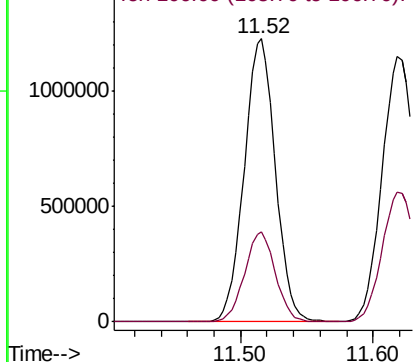


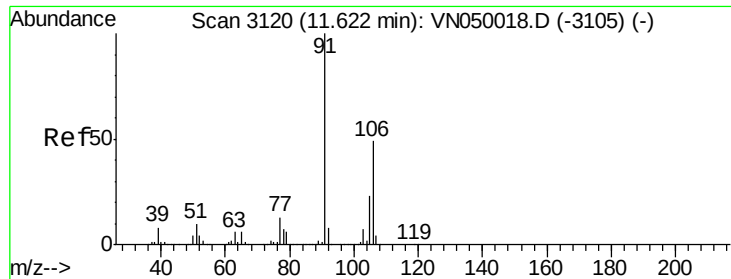
#67
Ethyl Benzene
Concen: 49.09 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion: 91 Resp: 2003825
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

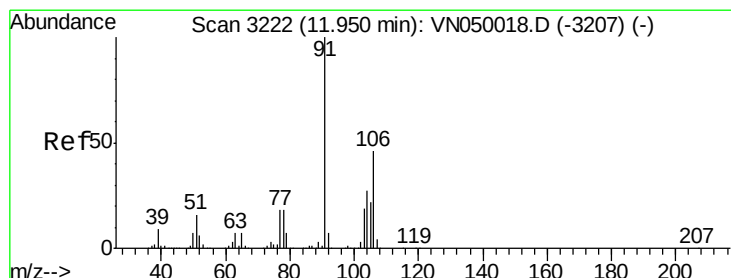
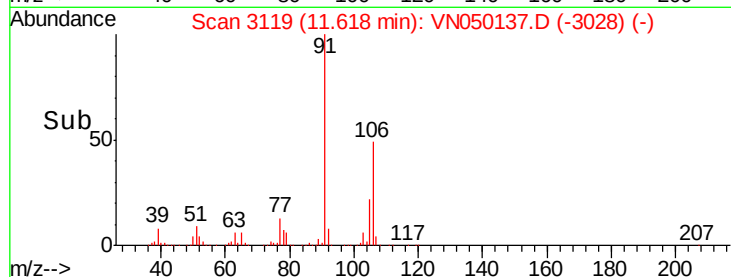
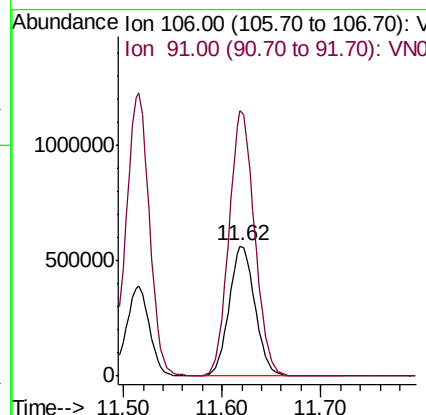
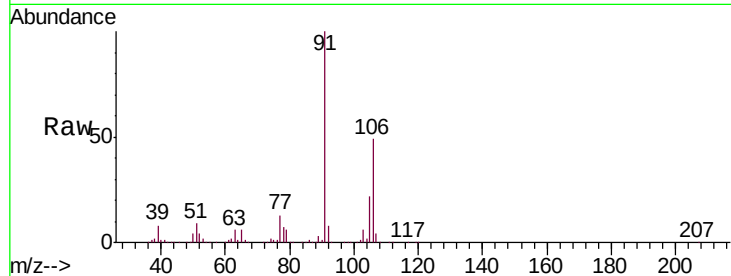




#68
m/p-Xylenes
Concen: 67.09 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

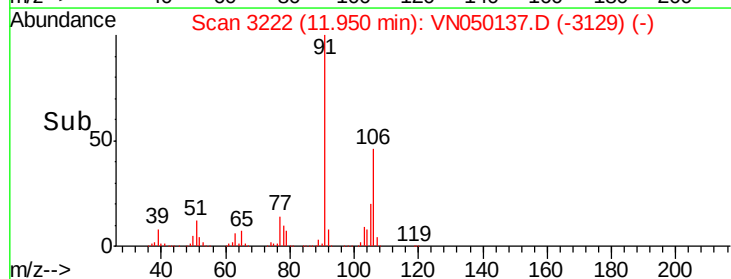
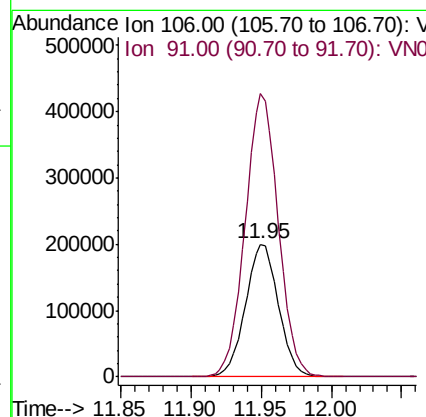
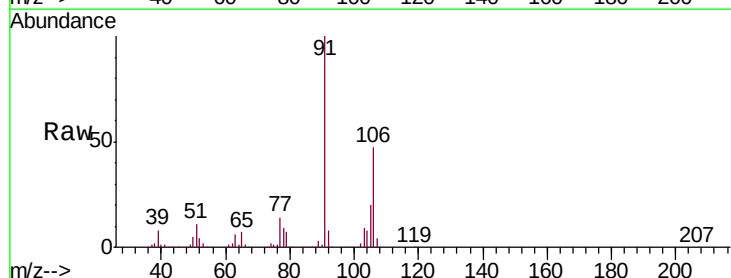
Instrument :
MSVOA_N
ClientSampled :
MW-7BD

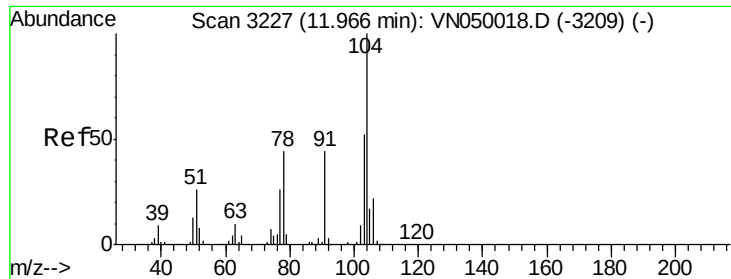
Tot Ion:106 Resp: 1035944
Ion Ratio Lower Upper
106 100
91 202.0 162.2 243.2



#69
o-Xylene
Concen: 22.33 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion:106 Resp: 328653
Ion Ratio Lower Upper
106 100
91 214.1 107.7 323.1

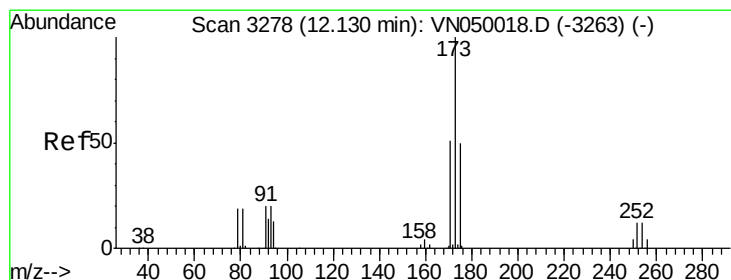
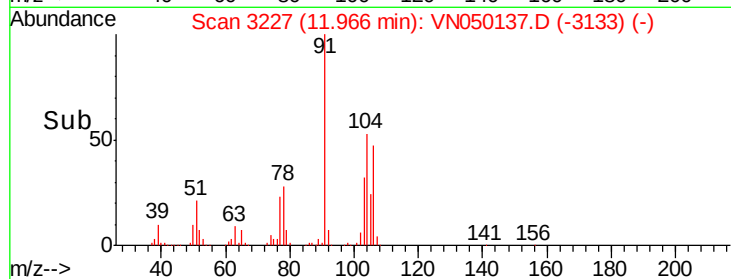
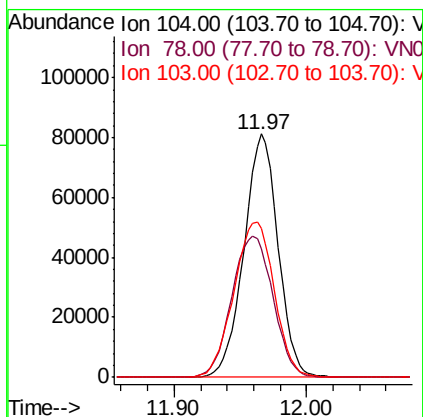
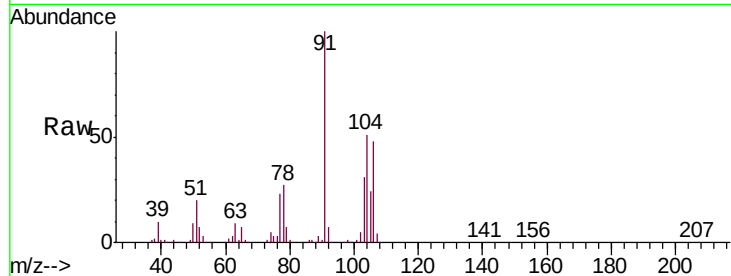




#70
Stvrene
Concen: 6.37 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

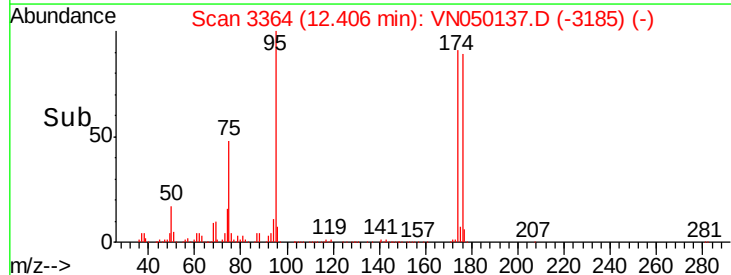
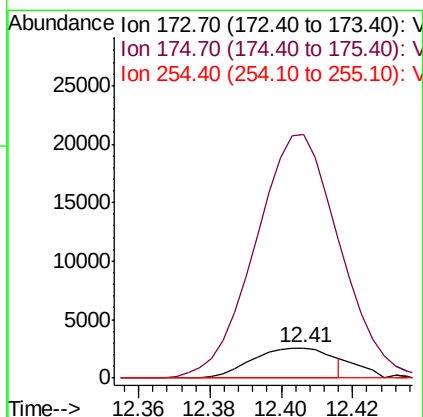
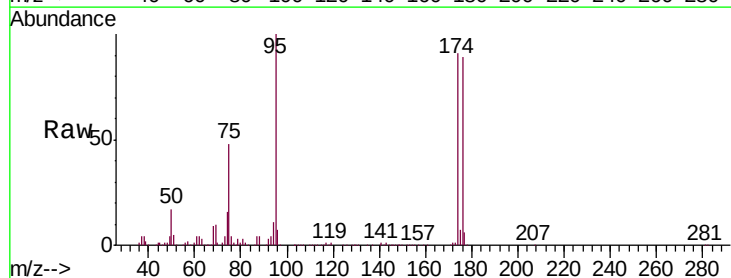
Instrument :
MSVOA_N
ClientSampled :
MW-7BD

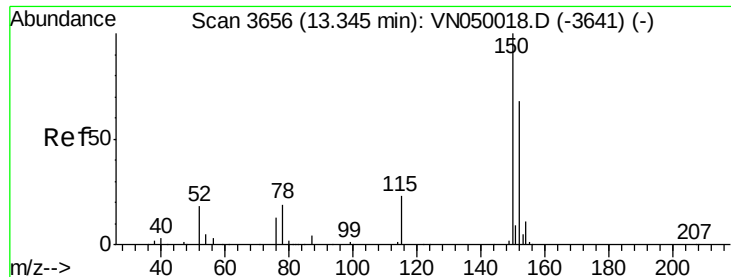
Tot Ion:104 Resp: 145220
Ion Ratio Lower Upper
104 100
78 70.3 39.3 58.9#
103 75.5 45.0 67.6#



#71
Bromoform
Concen: 0.55 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion:173 Resp: 3896
Ion Ratio Lower Upper
173 100
175 769.4 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: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

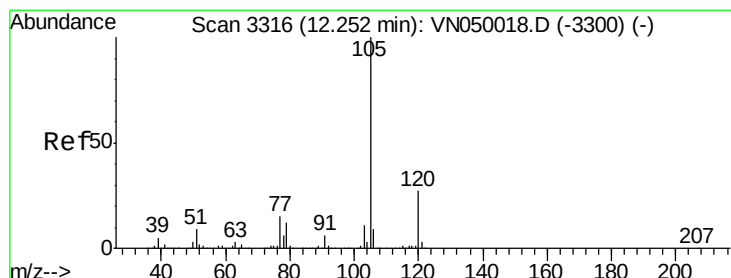
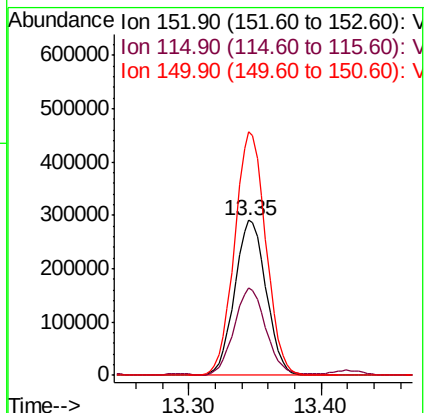
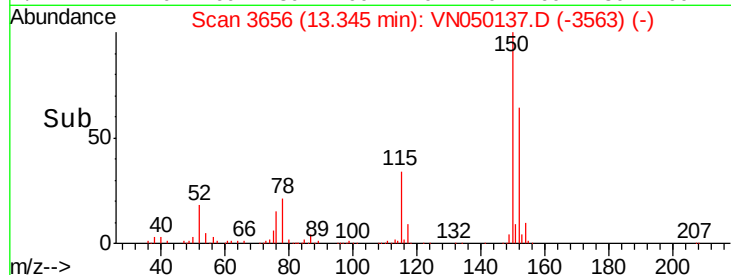
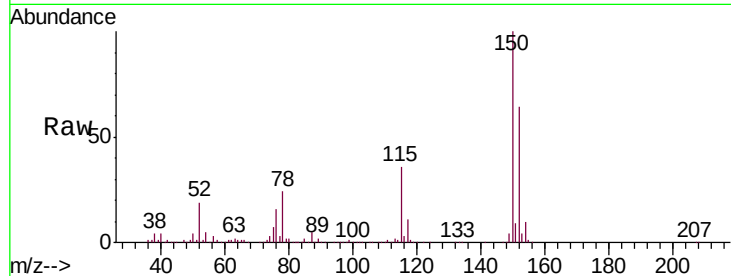
Tot Ion:152 Resp: 478842

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

150 155.9 0.0 348.6



#73

Isopropylbenzene

Concen: 1.92 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050137.D

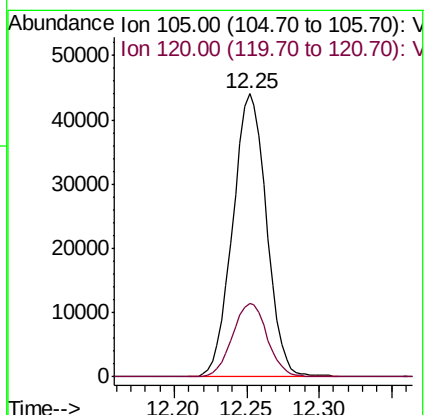
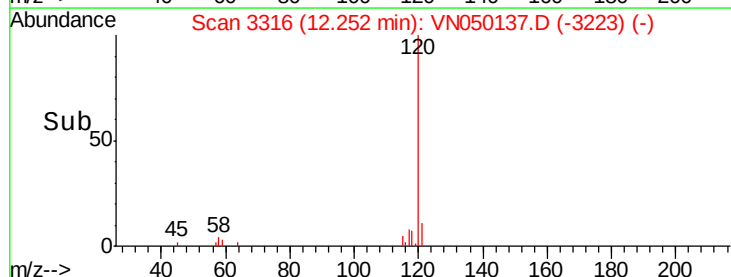
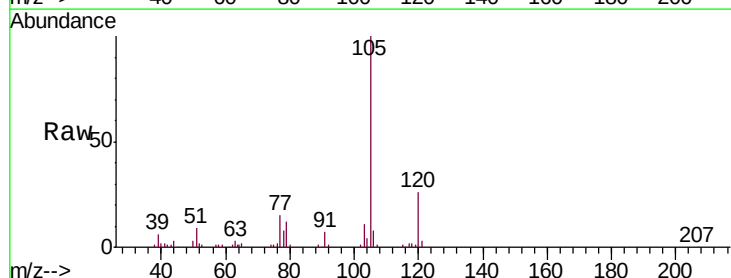
Acq: 27 Jul 2018 18:18

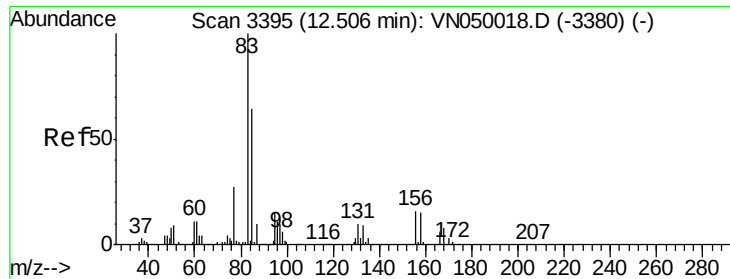
Tgt Ion:105 Resp: 71371

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

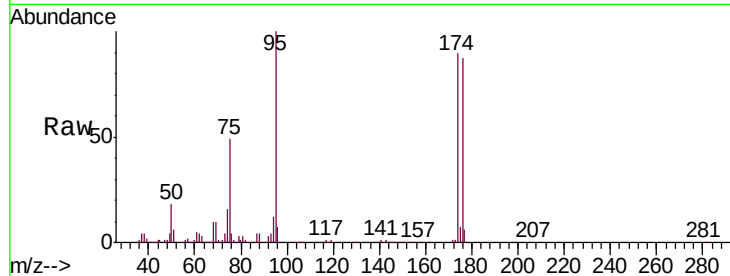
Tot Ion: 83 Resp: 461

Ion Ratio Lower Upper

83 100

131 130.6 5.1 15.3#

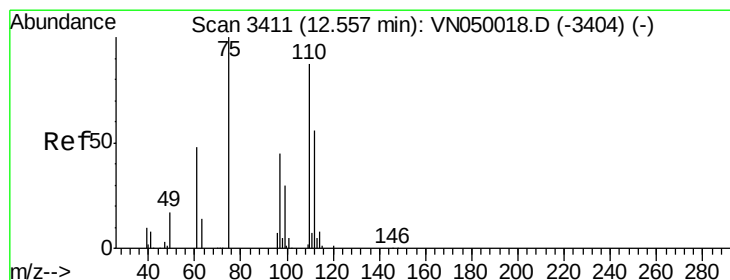
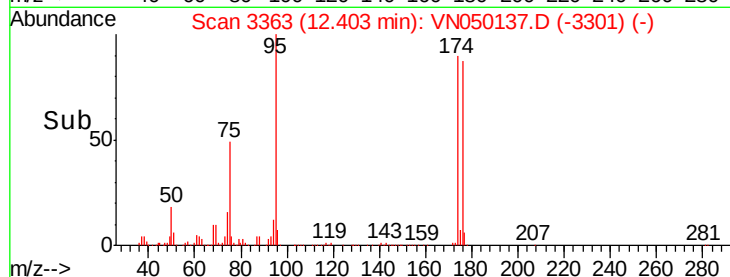
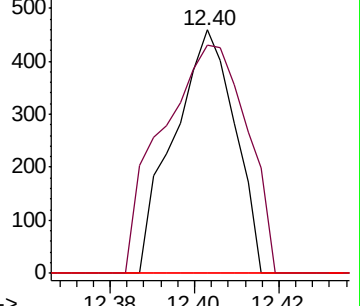
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050137.D

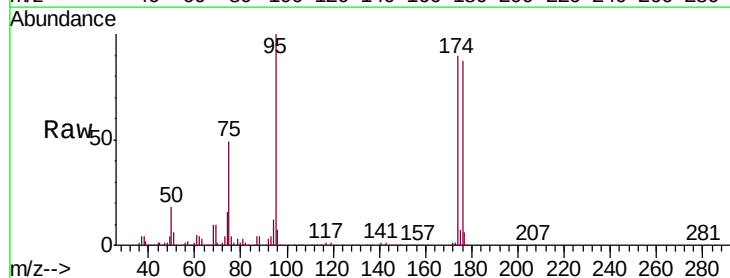
Acq: 27 Jul 2018 18:18

Tgt Ion: 75 Resp: 252480

Ion Ratio Lower Upper

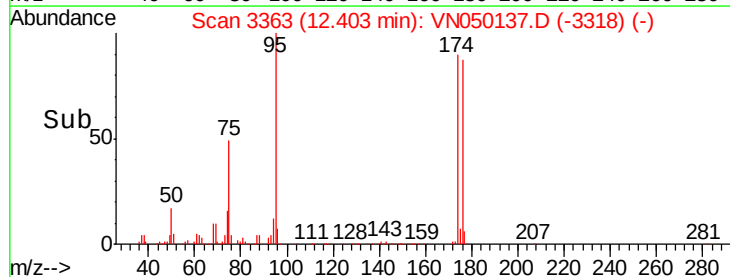
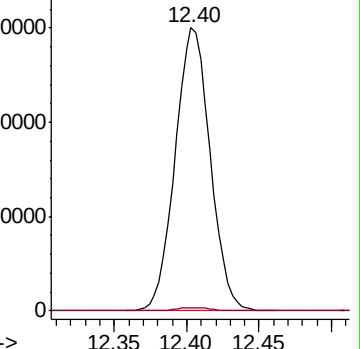
75 100

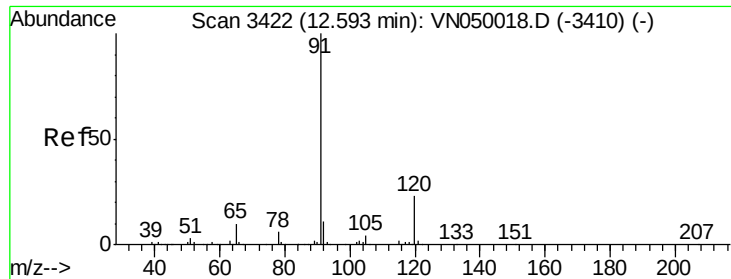
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

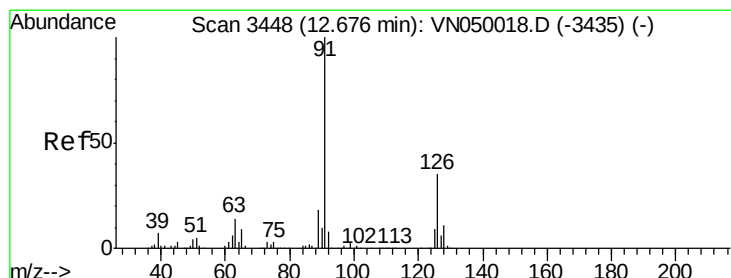
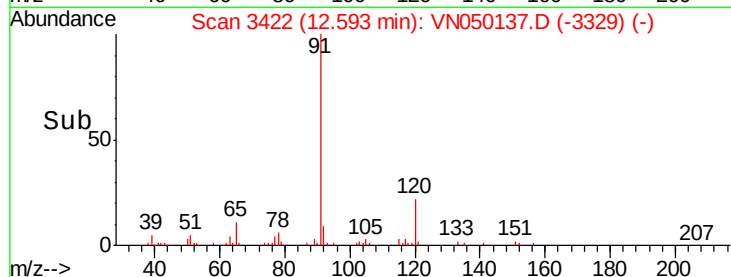
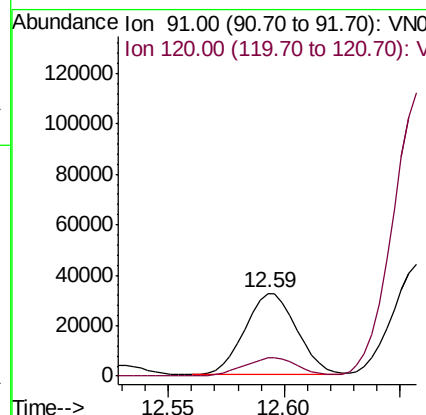
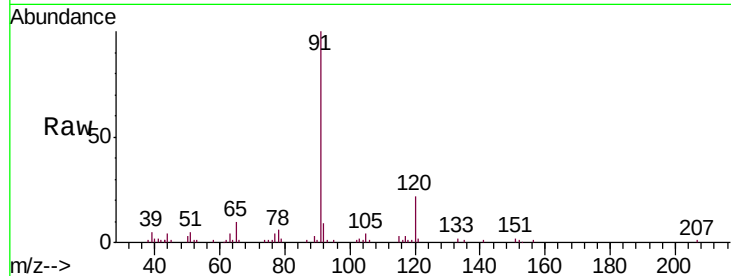




#78
n-propylbenzene
Concen: 1.22 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

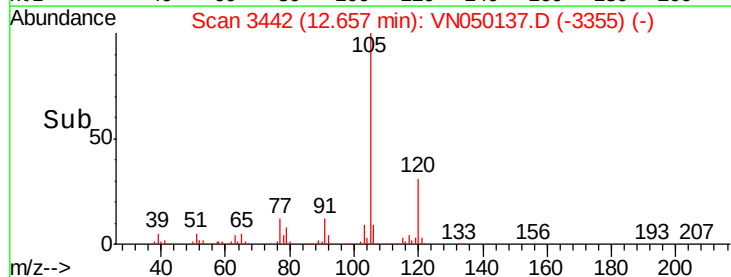
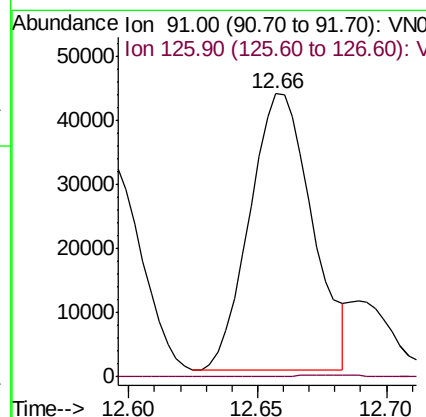
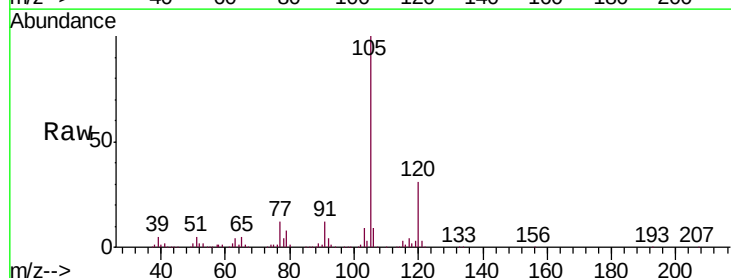
Instrument :
MSVOA_N
ClientSampled :
MW-7BD

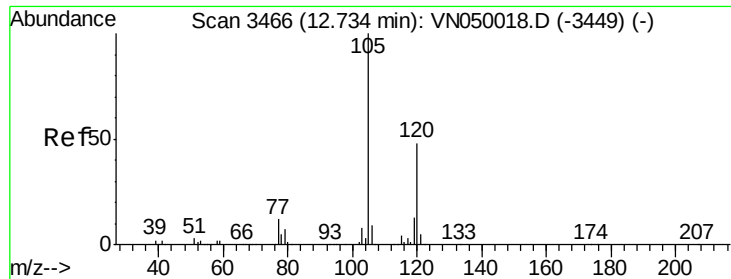
Tot Ion: 91 Resp: 50715
Ion Ratio Lower Upper
91 100
120 23.5 11.6 34.7



#79
2-Chlorotoluene
Concen: 2.84 ug/l
RT: 12.66 min Scan# 3442
Delta R.T. -0.02 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion: 91 Resp: 72946
Ion Ratio Lower Upper
91 100
126 0.7 17.6 52.8#





#80

1,3,5-Trimethylbenzene

Concen: 5.28 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

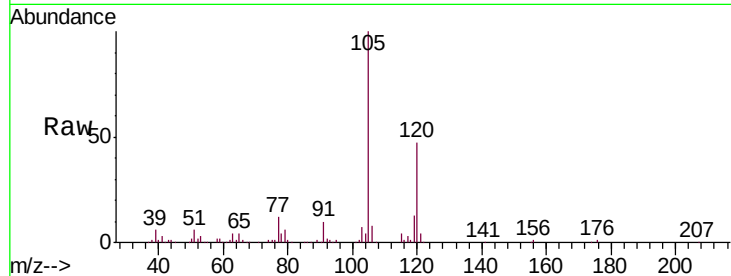
MW-7BD

Tot Ion:105 Resp: 154279

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

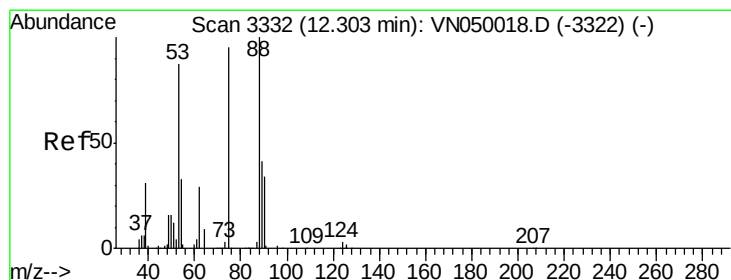
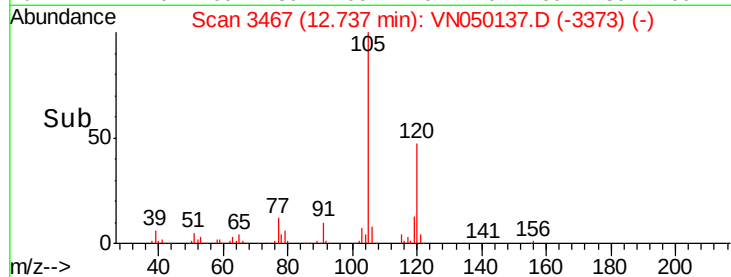
40000

20000

0

12.70 12.74 12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 89.99 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

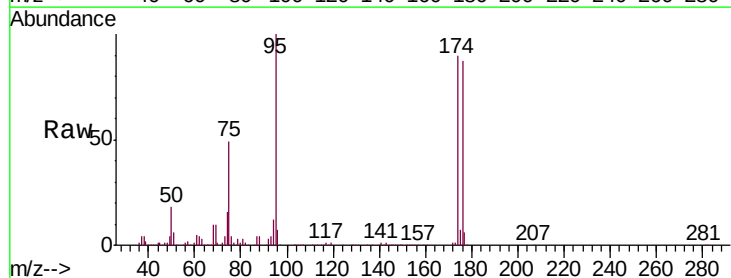
Tgt Ion: 75 Resp: 252480

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

200000

150000

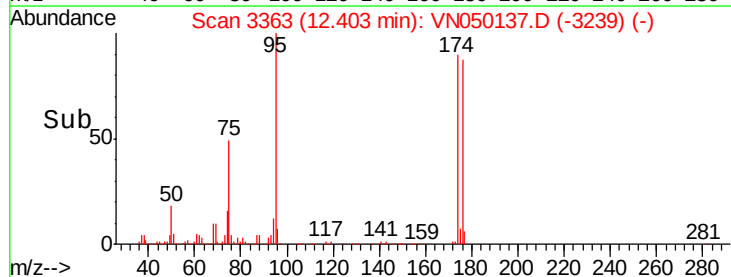
100000

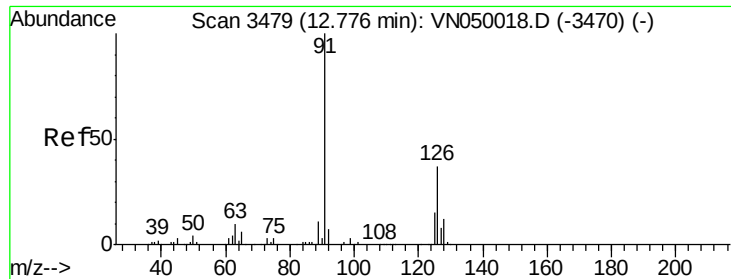
50000

0

12.35 12.40 12.45

Time-->

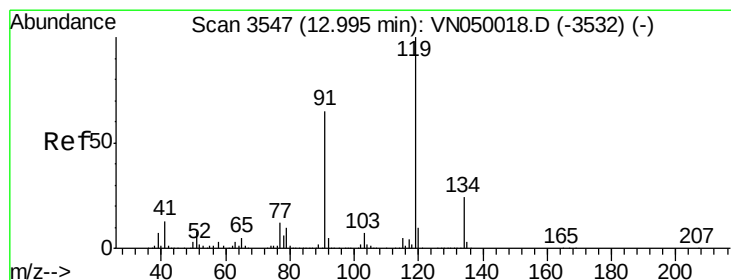
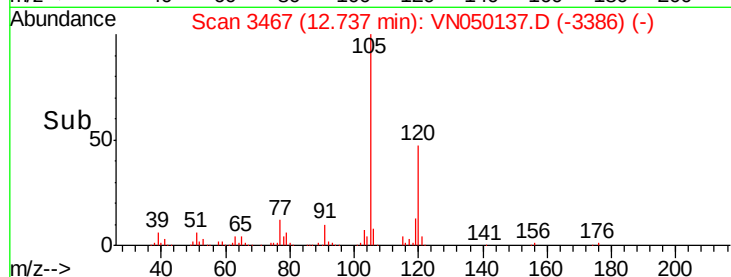
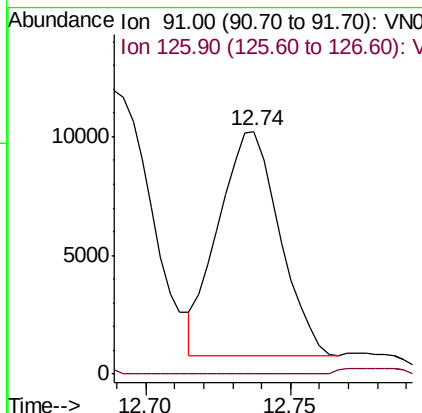
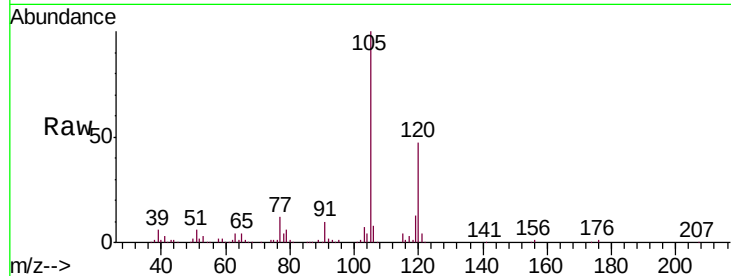




#82
4-Chlorotoluene
Concen: 0.54 ug/l
RT: 12.74 min Scan# 3467
Delta R.T. -0.04 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

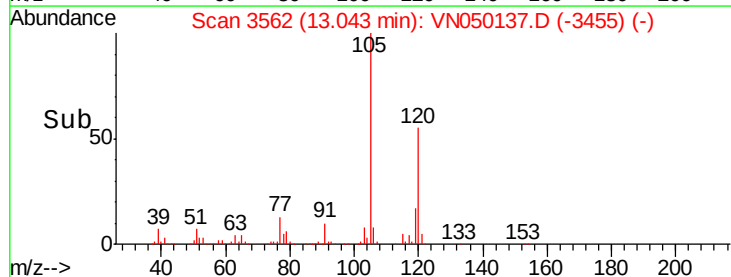
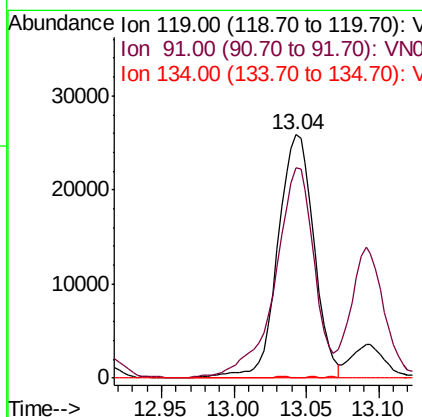
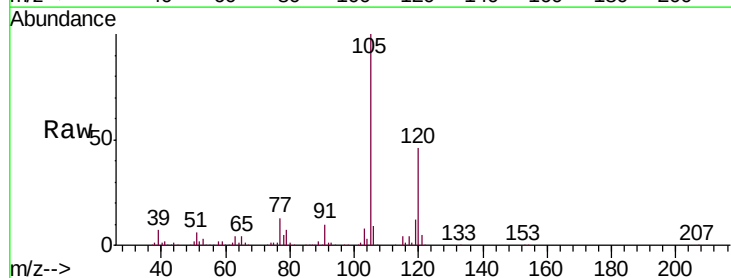
Instrument :
MSVOA_N
ClientSampleId :
MW-7BD

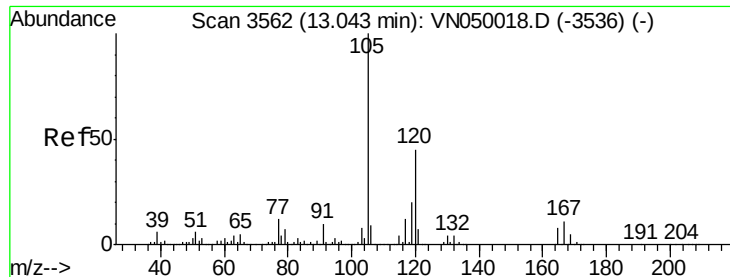
Tot Ion: 91 Resp: 13810
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#83
tert-Butylbenzene
Concen: 1.75 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.04 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion: 119 Resp: 44517
Ion Ratio Lower Upper
119 100
91 94.0 32.1 96.3
134 0.0 13.2 39.5#





#84

1,2,4-Trimethylbenzene

Concen: 11.69 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

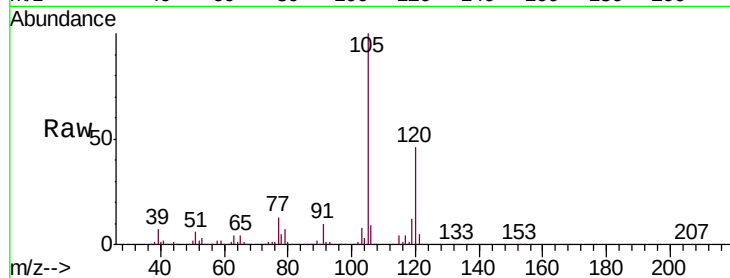
MW-7BD

Tot Ion:105 Resp: 344155

Ion Ratio Lower Upper

105 100

120 46.1 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

200000

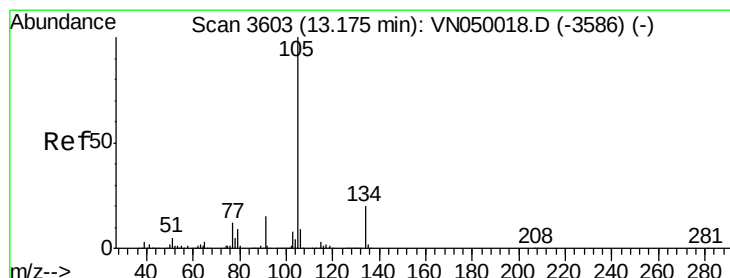
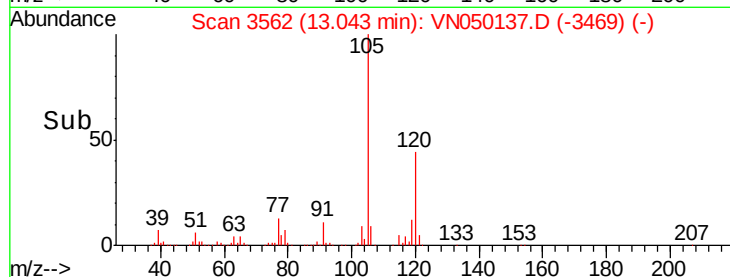
150000

100000

50000

0

Time-->



#85

sec-Butylbenzene

Concen: 10.10 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN050137.D

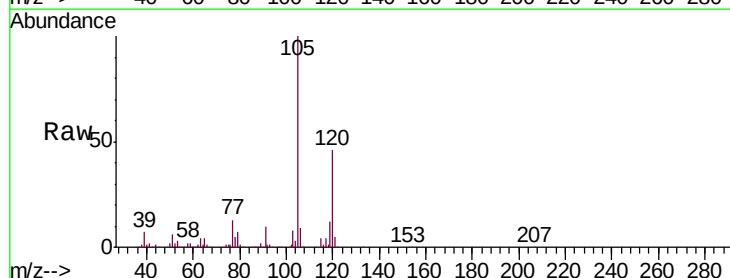
Acq: 27 Jul 2018 18:18

Tgt Ion:105 Resp: 344155

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

200000

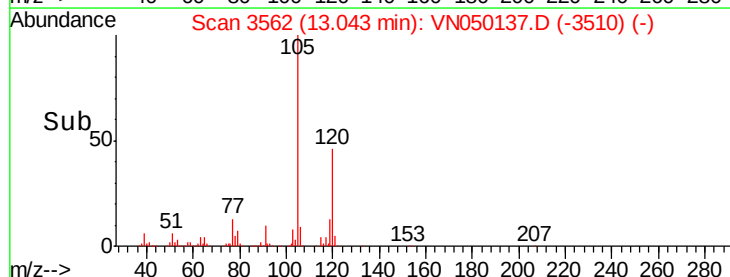
150000

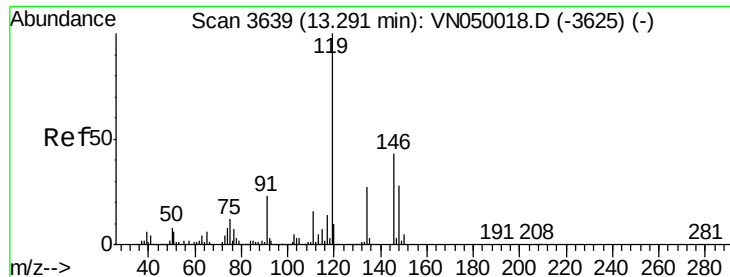
100000

50000

0

Time-->

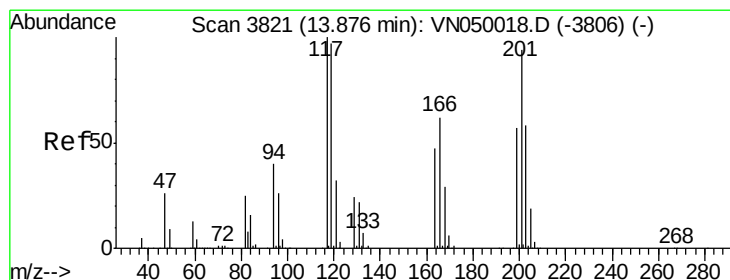
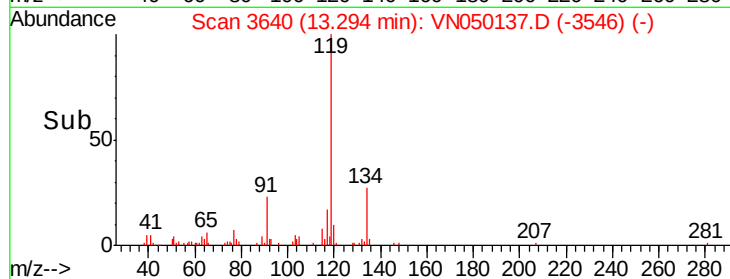
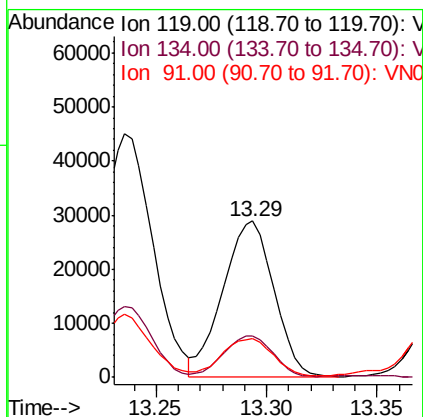
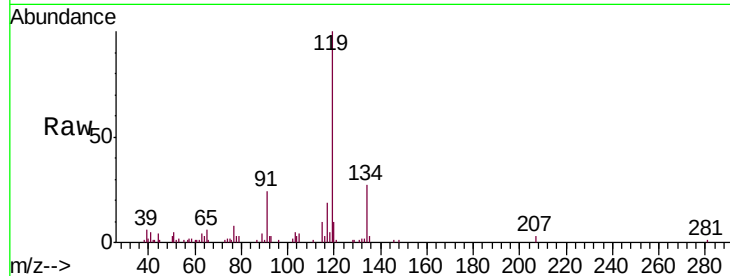




#86
 p-Isopropyltoluene
 Concen: 1.60 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

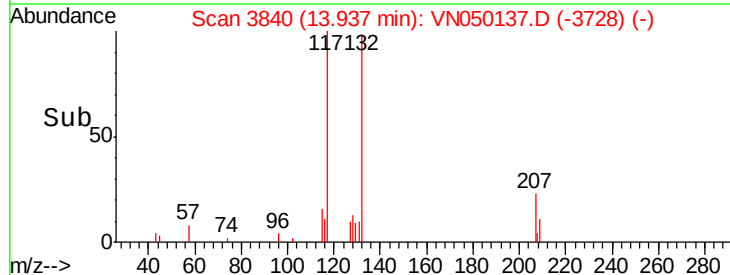
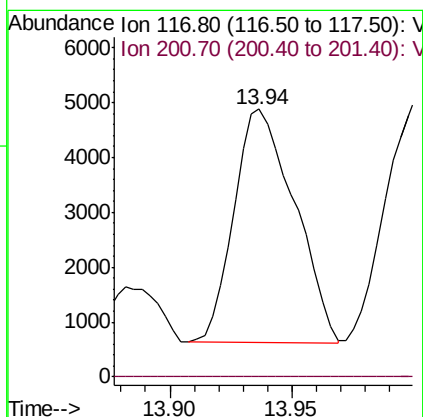
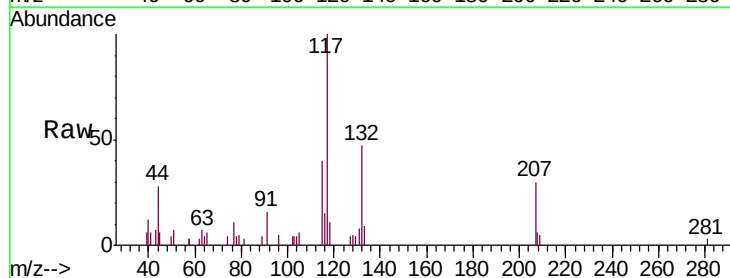
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7BD

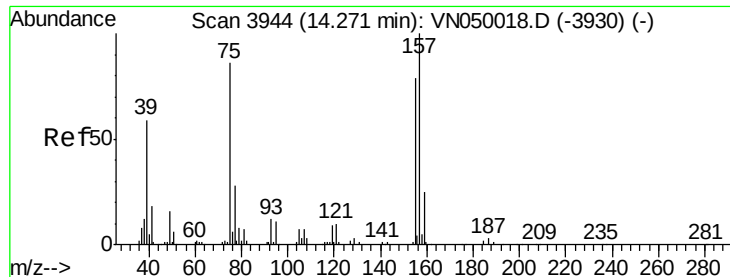
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.3	39.8
91	24.1	11.4	34.2



#90
 Hexachloroethane
 Concen: 1.15 ug/l
 RT: 13.94 min Scan# 3840
 Delta R.T. 0.06 min
 Lab File: VN050137.D
 Acq: 27 Jul 2018 18:18

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





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

MW-7BD

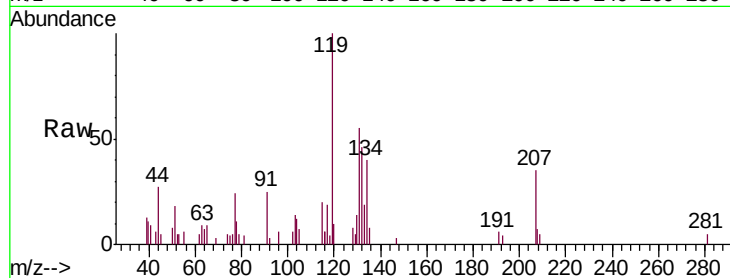
Tot Ion: 75 Resp: 164

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): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)

Ion 158.80 (158.50 to 159.50): VN050018.D (-3930) (-)

Ion 160.80 (160.50 to 161.50): VN050018.D (-3930) (-)

Ion 162.80 (162.50 to 163.50): VN050018.D (-3930) (-)

Ion 164.80 (164.50 to 165.50): VN050018.D (-3930) (-)

Ion 166.80 (166.50 to 167.50): VN050018.D (-3930) (-)

Ion 168.80 (168.50 to 169.50): VN050018.D (-3930) (-)

Ion 170.80 (170.50 to 171.50): VN050018.D (-3930) (-)

Ion 172.80 (172.50 to 173.50): VN050018.D (-3930) (-)

Ion 174.80 (174.50 to 175.50): VN050018.D (-3930) (-)

Ion 176.80 (176.50 to 177.50): VN050018.D (-3930) (-)

Ion 178.80 (178.50 to 179.50): VN050018.D (-3930) (-)

Ion 180.80 (180.50 to 181.50): VN050018.D (-3930) (-)

Ion 182.80 (182.50 to 183.50): VN050018.D (-3930) (-)

Ion 184.80 (184.50 to 185.50): VN050018.D (-3930) (-)

Ion 186.80 (186.50 to 187.50): VN050018.D (-3930) (-)

Ion 188.80 (188.50 to 189.50): VN050018.D (-3930) (-)

Ion 190.80 (190.50 to 191.50): VN050018.D (-3930) (-)

Ion 192.80 (192.50 to 193.50): VN050018.D (-3930) (-)

Ion 194.80 (194.50 to 195.50): VN050018.D (-3930) (-)

Ion 196.80 (196.50 to 197.50): VN050018.D (-3930) (-)

Ion 198.80 (198.50 to 199.50): VN050018.D (-3930) (-)

Ion 200.80 (200.50 to 201.50): VN050018.D (-3930) (-)

Ion 202.80 (202.50 to 203.50): VN050018.D (-3930) (-)

Ion 204.80 (204.50 to 205.50): VN050018.D (-3930) (-)

Ion 206.80 (206.50 to 207.50): VN050018.D (-3930) (-)

Ion 208.80 (208.50 to 209.50): VN050018.D (-3930) (-)

Ion 210.80 (210.50 to 211.50): VN050018.D (-3930) (-)

Ion 212.80 (212.50 to 213.50): VN050018.D (-3930) (-)

Ion 214.80 (214.50 to 215.50): VN050018.D (-3930) (-)

Ion 216.80 (216.50 to 217.50): VN050018.D (-3930) (-)

Ion 218.80 (218.50 to 219.50): VN050018.D (-3930) (-)

Ion 220.80 (220.50 to 221.50): VN050018.D (-3930) (-)

Ion 222.80 (222.50 to 223.50): VN050018.D (-3930) (-)

Ion 224.80 (224.50 to 225.50): VN050018.D (-3930) (-)

Ion 226.80 (226.50 to 227.50): VN050018.D (-3930) (-)

Ion 228.80 (228.50 to 229.50): VN050018.D (-3930) (-)

Ion 230.80 (230.50 to 231.50): VN050018.D (-3930) (-)

Ion 232.80 (232.50 to 233.50): VN050018.D (-3930) (-)

Ion 234.80 (234.50 to 235.50): VN050018.D (-3930) (-)

Ion 236.80 (236.50 to 237.50): VN050018.D (-3930) (-)

Ion 238.80 (238.50 to 239.50): VN050018.D (-3930) (-)

Ion 240.80 (240.50 to 241.50): VN050018.D (-3930) (-)

Ion 242.80 (242.50 to 243.50): VN050018.D (-3930) (-)

Ion 244.80 (244.50 to 245.50): VN050018.D (-3930) (-)

Ion 246.80 (246.50 to 247.50): VN050018.D (-3930) (-)

Ion 248.80 (248.50 to 249.50): VN050018.D (-3930) (-)

Ion 250.80 (250.50 to 251.50): VN050018.D (-3930) (-)

Ion 252.80 (252.50 to 253.50): VN050018.D (-3930) (-)

Ion 254.80 (254.50 to 255.50): VN050018.D (-3930) (-)

Ion 256.80 (256.50 to 257.50): VN050018.D (-3930) (-)

Ion 258.80 (258.50 to 259.50): VN050018.D (-3930) (-)

Ion 260.80 (260.50 to 261.50): VN050018.D (-3930) (-)

Ion 262.80 (262.50 to 263.50): VN050018.D (-3930) (-)

Ion 264.80 (264.50 to 265.50): VN050018.D (-3930) (-)

Ion 266.80 (266.50 to 267.50): VN050018.D (-3930) (-)

Ion 268.80 (268.50 to 269.50): VN050018.D (-3930) (-)

Ion 270.80 (270.50 to 271.50): VN050018.D (-3930) (-)

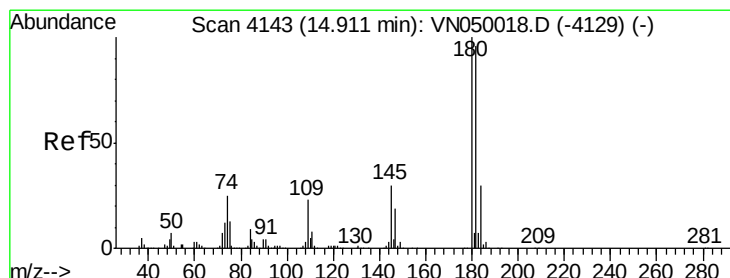
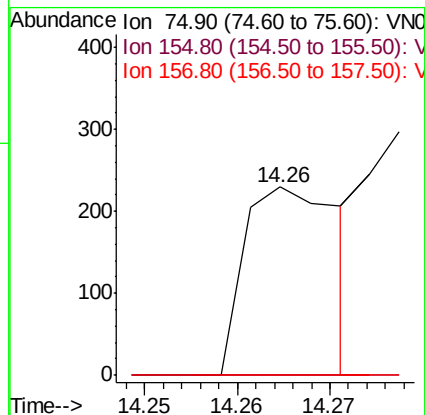
Ion 272.80 (272.50 to 273.50): VN050018.D (-3930) (-)

Ion 274.80 (274.50 to 275.50): VN050018.D (-3930) (-)

Ion 276.80 (276.50 to 277.50): VN050018.D (-3930) (-)

Ion 278.80 (278.50 to 279.50): VN050018.D (-3930) (-)

Ion 280.80 (280.50 to 281.50): VN050018.D (-3930) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.21 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN050137.D

Acq: 27 Jul 2018 18:18

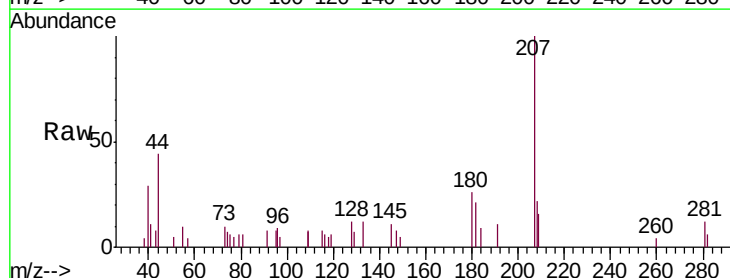
Tgt Ion:180 Resp: 1235

Ion Ratio Lower Upper

180 100

182 93.4 46.7 140.1

145 51.9 13.8 41.4#



Abundance Ion 179.80 (179.50 to 180.50): VN050018.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN050018.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN050018.D (-4129) (-)

Ion 146.80 (146.50 to 147.50): VN050018.D (-4129) (-)

Ion 148.80 (148.50 to 149.50): VN050018.D (-4129) (-)

Ion 150.80 (150.50 to 151.50): VN050018.D (-4129) (-)

Ion 152.80 (152.50 to 153.50): VN050018.D (-4129) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-4129) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-4129) (-)

Ion 158.80 (158.50 to 159.50): VN050018.D (-4129) (-)

Ion 160.80 (160.50 to 161.50): VN050018.D (-4129) (-)

Ion 162.80 (162.50 to 163.50): VN050018.D (-4129) (-)

Ion 164.80 (164.50 to 165.50): VN050018.D (-4129) (-)

Ion 166.80 (166.50 to 167.50): VN050018.D (-4129) (-)

Ion 168.80 (168.50 to 169.50): VN050018.D (-4129) (-)

Ion 170.80 (170.50 to 171.50): VN050018.D (-4129) (-)

Ion 172.80 (172.50 to 173.50): VN050018.D (-4129) (-)

Ion 174.80 (174.50 to 175.50): VN050018.D (-4129) (-)

Ion 176.80 (176.50 to 177.50): VN050018.D (-4129) (-)

Ion 178.80 (178.50 to 179.50): VN050018.D (-4129) (-)

Ion 180.80 (180.50 to 181.50): VN050018.D (-4129) (-)

Ion 182.80 (182.50 to 183.50): VN050018.D (-4129) (-)

Ion 184.80 (184.50 to 185.50): VN050018.D (-4129) (-)

Ion 186.80 (186.50 to 187.50): VN050018.D (-4129) (-)

Ion 188.80 (188.50 to 189.50): VN050018.D (-4129) (-)

Ion 190.80 (190.50 to 191.50): VN050018.D (-4129) (-)

Ion 192.80 (192.50 to 193.50): VN050018.D (-4129) (-)

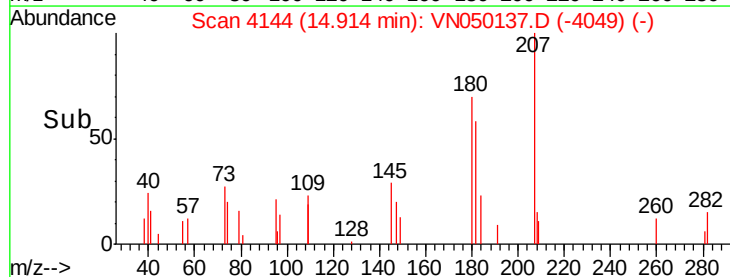
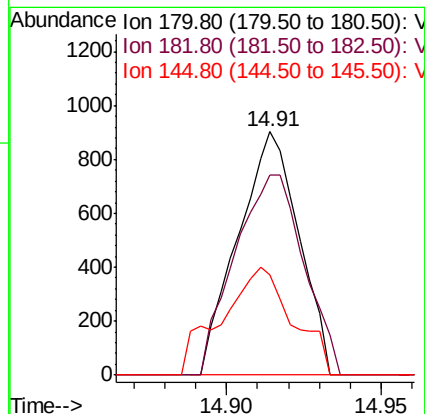
Ion 194.80 (194.50 to 195.50): VN050018.D (-4129) (-)

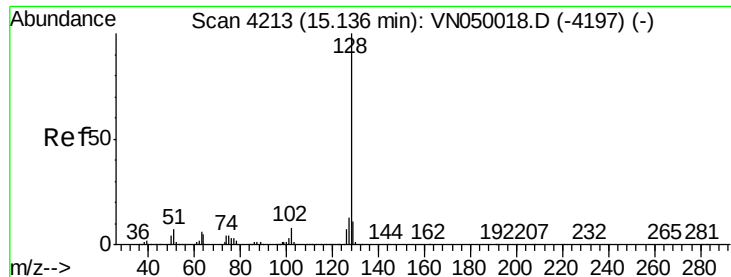
Ion 196.80 (196.50 to 197.50): VN050018.D (-4129) (-)

Ion 198.80 (198.50 to 199.50): VN050018.D (-4129) (-)

Ion 200.80 (200.50 to 201.50): VN050018.D (-4129) (-)

Ion 202.80 (202.50 to 203.50): VN050018.D (-4129) (-)

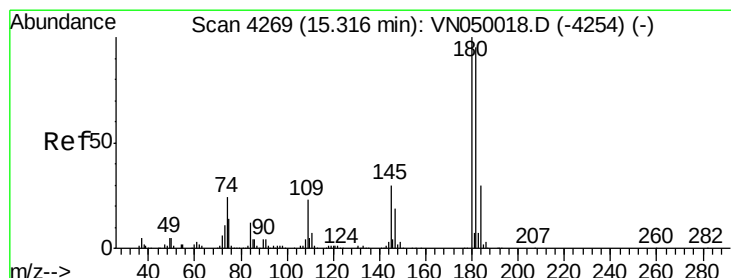
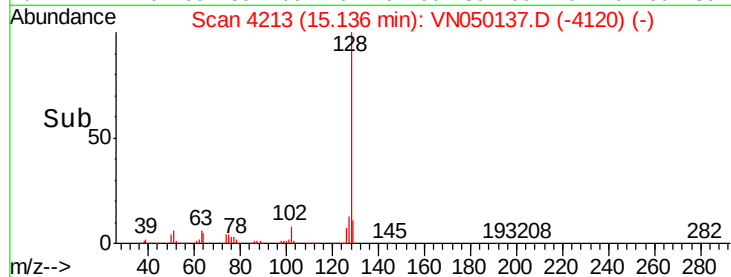
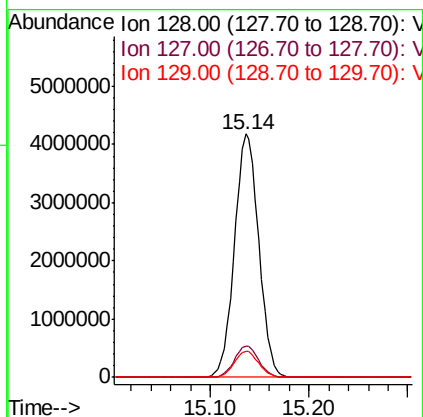
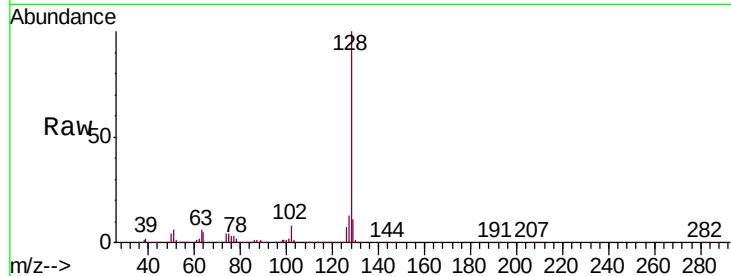




#95
Naphthalene
Concen: 301.18 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Instrument :
MSVOA_N
ClientSampled :
MW-7BD

Tot Ion:128 Resp: 7118381
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 2.34 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050137.D
Acq: 27 Jul 2018 18:18

Tgt Ion:180 Resp: 1229
Ion Ratio Lower Upper
180 100
182 87.4 48.1 144.4
145 36.9 15.3 45.9

