

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050106.D
 Acq On : 27 Jul 2018 2:00
 Operator : MD\SY
 Sample : J4163-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

Quant Time: Jul 27 04:04:38 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	704913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1132954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	957000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	479701	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
35) Dibromofluoromethane	7.59	113	427296	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
50) Toluene-d8	10.09	98	1543615	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
62) 4-Bromofluorobenzene	12.40	95	459826	41.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.12%	

Target Compounds

						Qvalue
5) Bromomethane	2.55	94	263	Below Cal		89
11) Tert butyl alcohol	4.80	59	3624	5.01 ug/l	#	72
13) Acrolein	3.63	56	151	0.26 ug/l	#	15
16) Acetone	3.83	43	22364	5.41 ug/l		97
17) Carbon Disulfide	4.05	76	5360	0.22 ug/l	#	75
18) Methyl Acetate	4.33	43	13974	Below Cal	#	69
19) Methyl tert-butyl Ether	5.06	73	22157	1.02 ug/l		96
20) Methylene Chloride	4.55	84	822	Below Cal	#	63
25) 2-Butanone	6.85	43	3502	0.93 ug/l		97
31) Cyclohexane	7.67	56	12917	0.89 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	49726	3.90 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	63856	4.71 ug/l	#	16
41) Methacrylonitrile	7.18	41	30	2.75 ug/l	#	10
43) Isopropyl Acetate	8.27	43	165201	8.91 ug/l	#	61
51) 4-Methyl-2-Pentanone	9.99	43	2493	0.28 ug/l		90
56) Ethyl methacrylate	10.40	69	504	2.07 ug/l	#	1
59) 2-Hexanone	10.74	43	113	5.19 ug/l	#	1
70) Styrene	11.96	104	217	0.93 ug/l	#	64
71) Bromoform	12.40	173	3267	0.48 ug/l	#	1
73) Isopropylbenzene	12.25	105	20974	0.70 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.53	83	1055	Below Cal	#	39
76) 1,2,3-Trichloropropane	12.40	75	228034	31.69 ug/l	#	100
77) Bromobenzene	12.53	156	2616	0.31 ug/l	#	1
78) n-propylbenzene	12.59	91	13379	0.40 ug/l		95
79) 2-Chlorotoluene	12.59	91	13379	0.64 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	12.40	75	228034	100.51 ug/l	#	13
82) 4-Chlorotoluene	12.59	91	13379	0.65 ug/l	#	41
83) tert-Butylbenzene	13.00	119	4452	0.22 ug/l		95
86) p-Isopropyltoluene	13.44	119	5034	0.22 ug/l		92
87) 1,3-Dichlorobenzene	13.28	146	4735	0.34 ug/l		86
88) 1,4-Dichlorobenzene	13.28	146	4735	0.34 ug/l		85
92) 1,2-Dibromo-3-Chloropropan	14.20	75	60	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	156	3.11 ug/l	#	1
95) Naphthalene	15.14	128	6412	4.75 ug/l	#	93

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

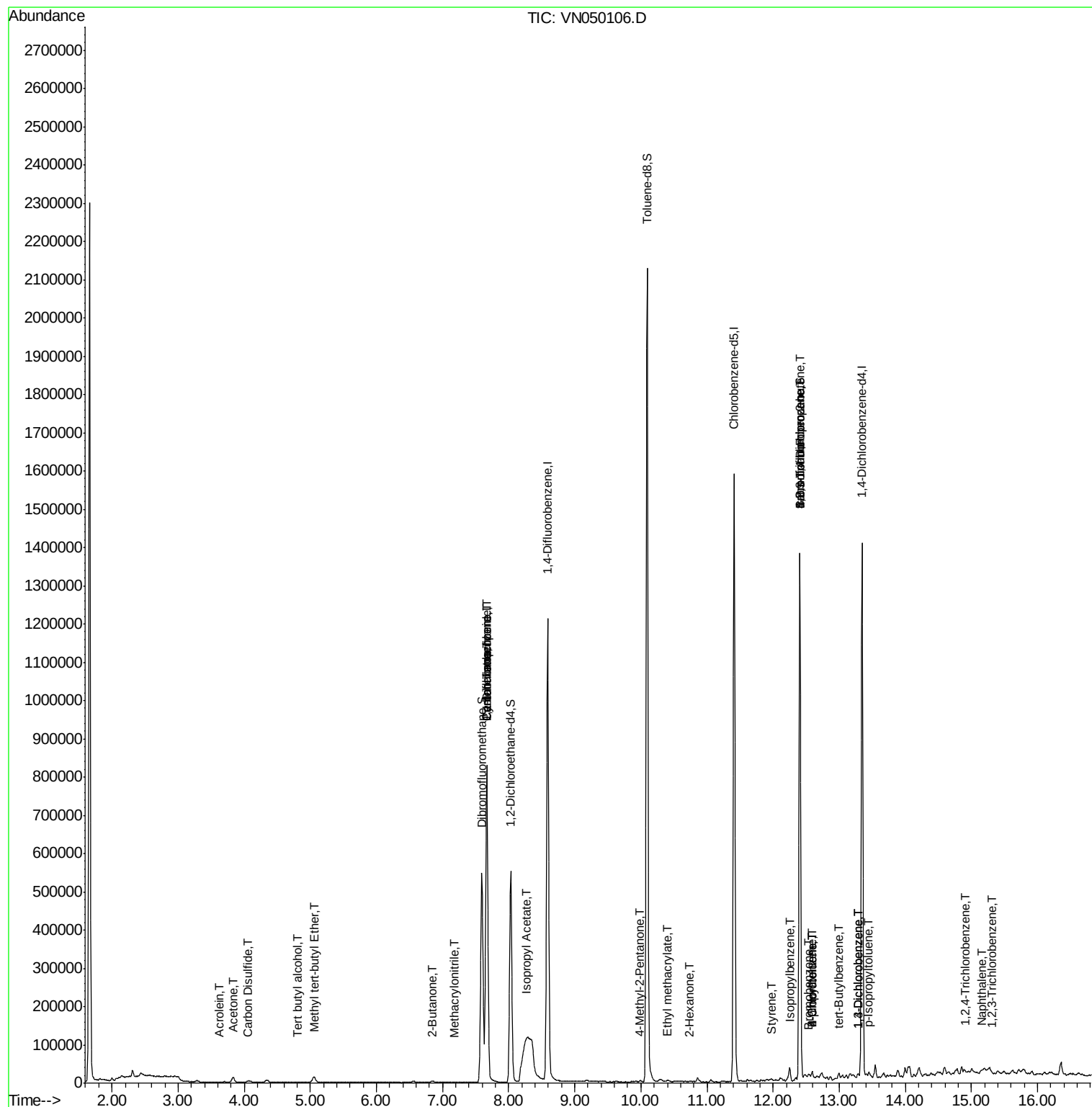
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	122	2.22	ug/l #	1

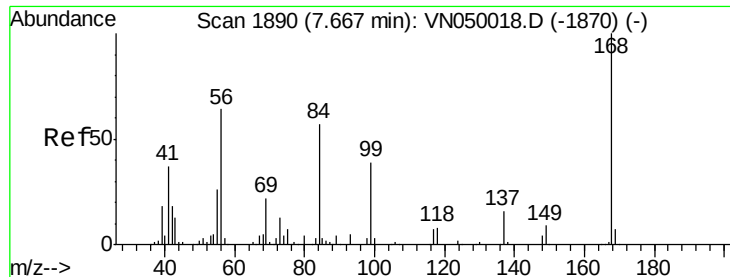
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

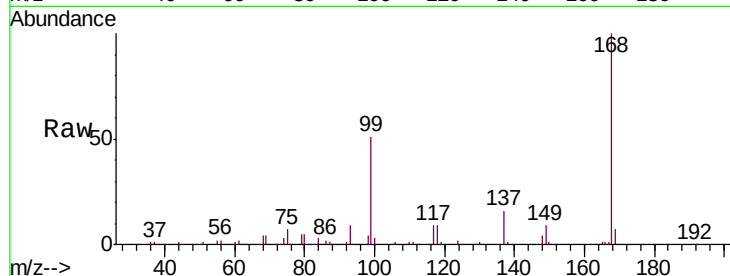
MW-18

Tot Ion:168 Resp: 704913

Ion Ratio Lower Upper

168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

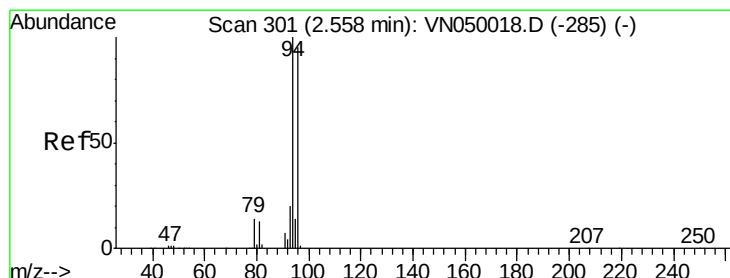
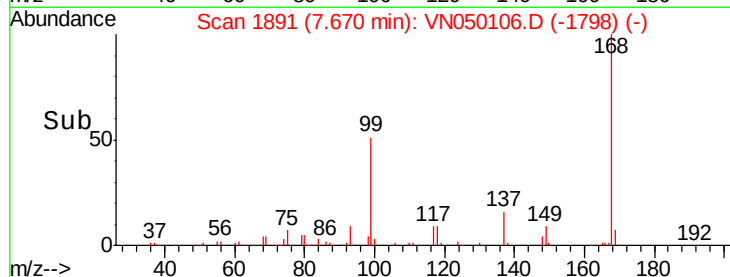
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 297

Delta R.T. -0.01 min

Lab File: VN050106.D

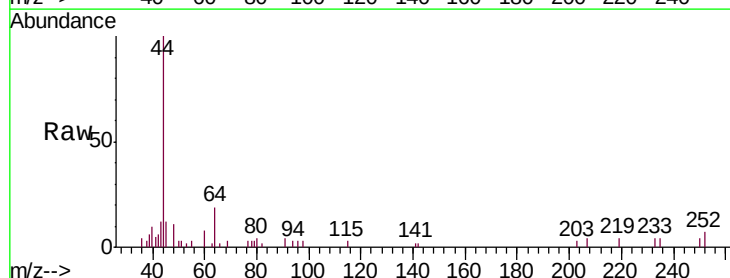
Acq: 27 Jul 2018 2:00

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 83.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

500

400

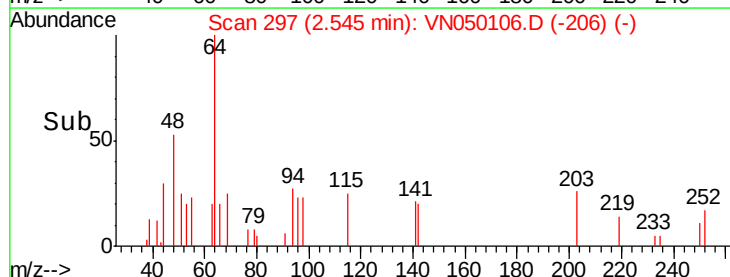
300

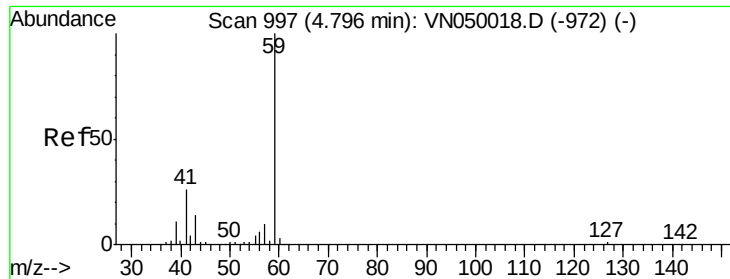
200

100

0

Time-->



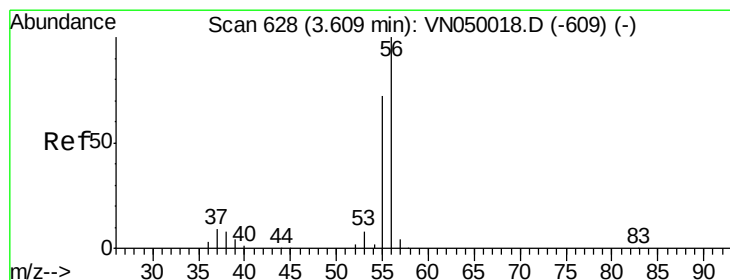
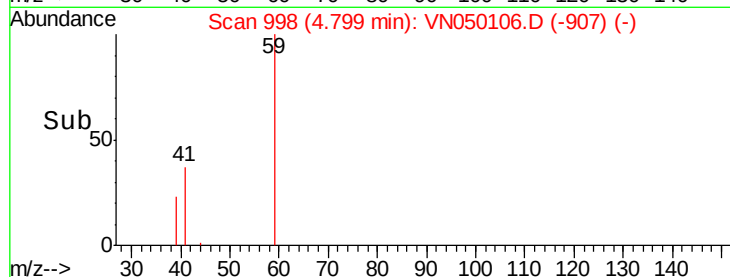
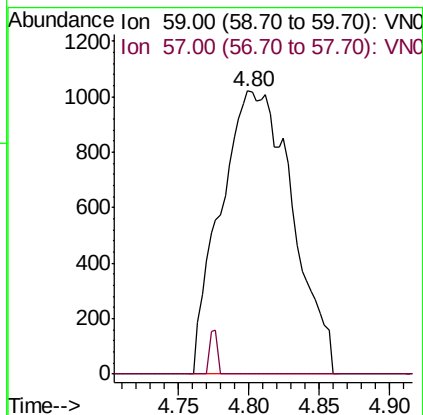
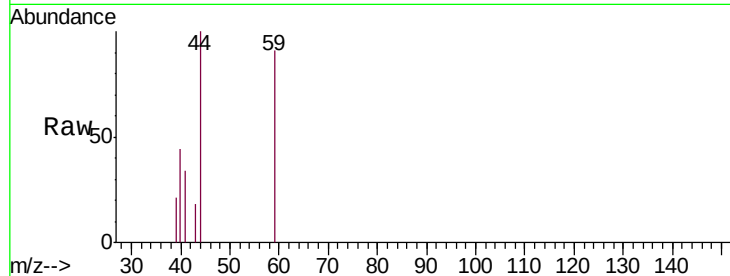


#11

Tert butyl alcohol
 Concen: 5.01 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050106.D
 Acq: 27 Jul 2018 2:00

Instrument :
 MSVOA_N
 ClientSampled :
 MW-18

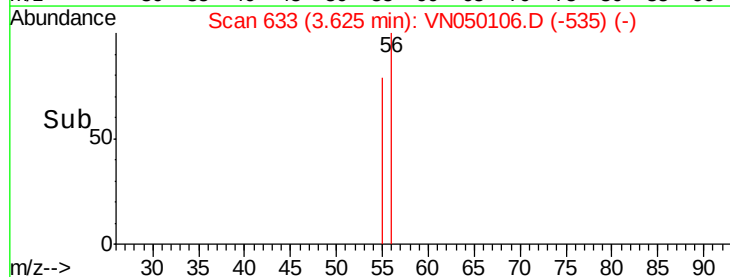
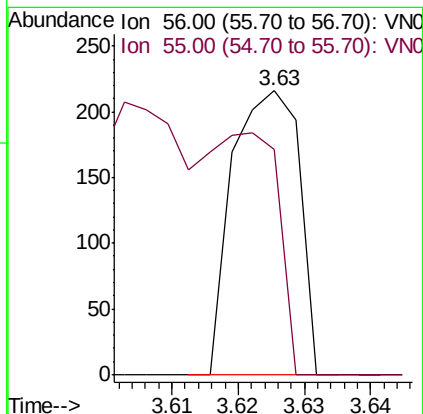
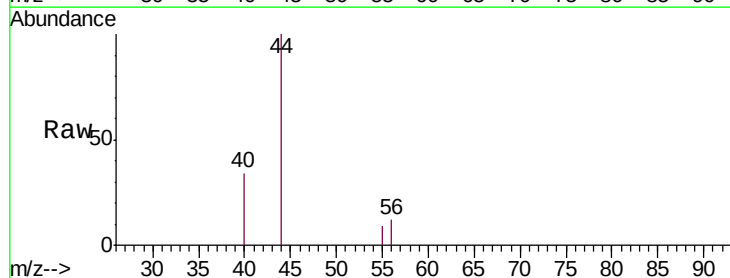
Tot Ion: 59 Resp: 3624
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

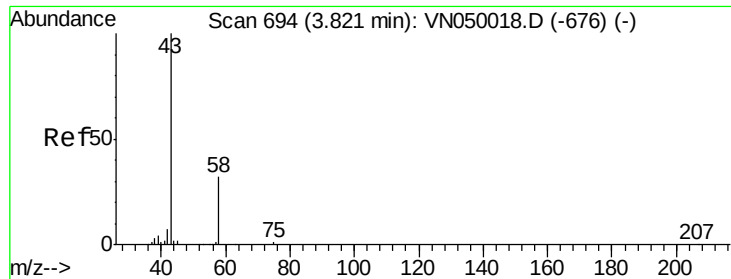


#13

Acrolein
 Concen: 0.26 ug/l
 RT: 3.63 min Scan# 633
 Delta R.T. 0.02 min
 Lab File: VN050106.D
 Acq: 27 Jul 2018 2:00

Tgt Ion: 56 Resp: 151
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.6#





#16

Acetone

Concen: 5.41 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

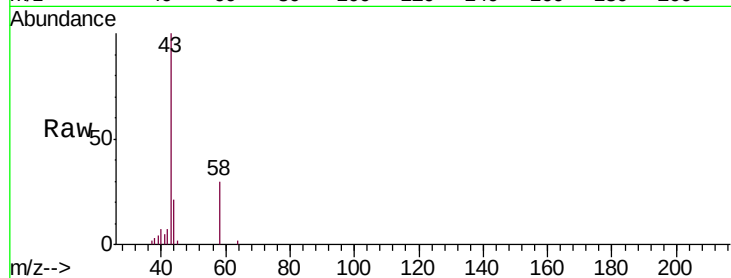
MW-18

Tot Ion: 43 Resp: 22364

Ion Ratio Lower Upper

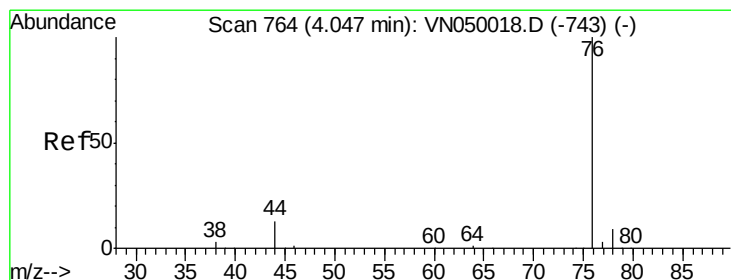
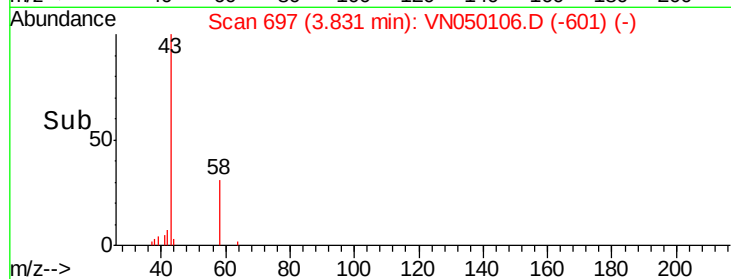
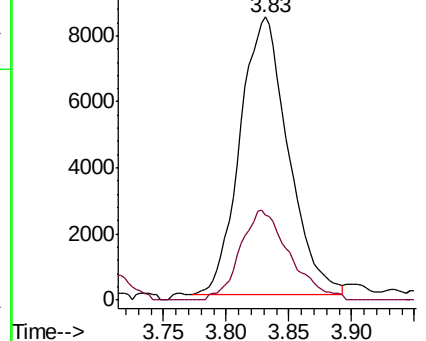
43 100

58 30.9 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: 0.22 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050106.D

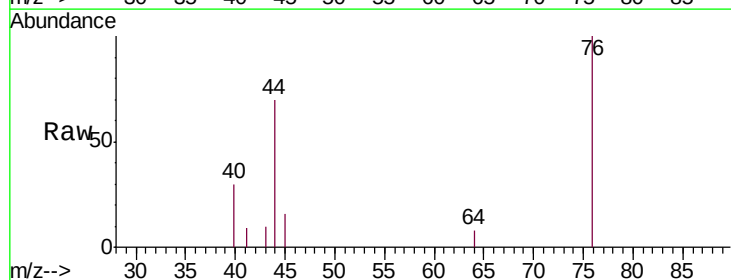
Acq: 27 Jul 2018 2:00

Tgt Ion: 76 Resp: 5360

Ion Ratio Lower Upper

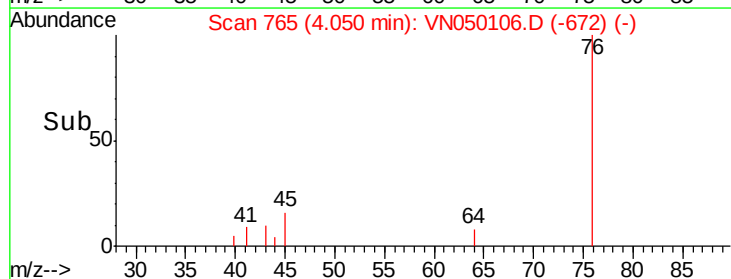
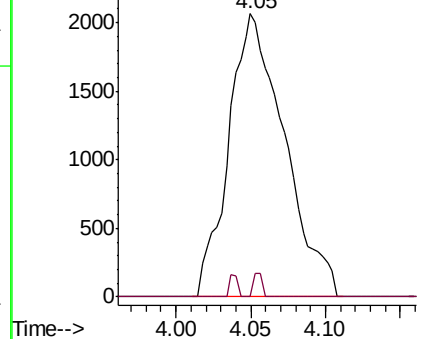
76 100

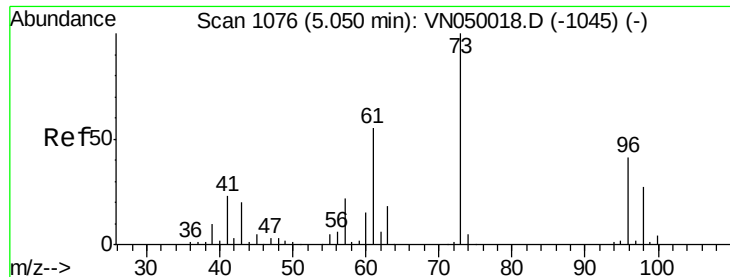
78 0.0 7.3 10.9#



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

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

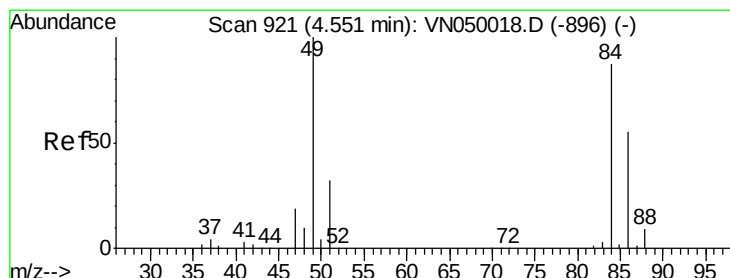
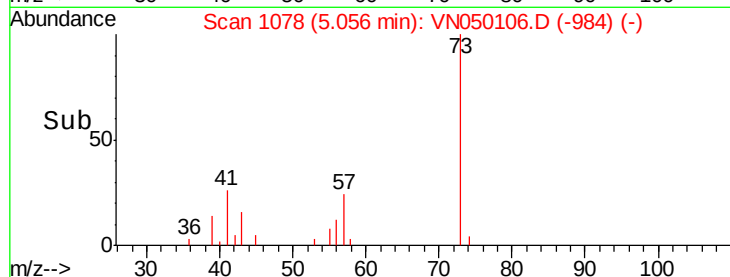
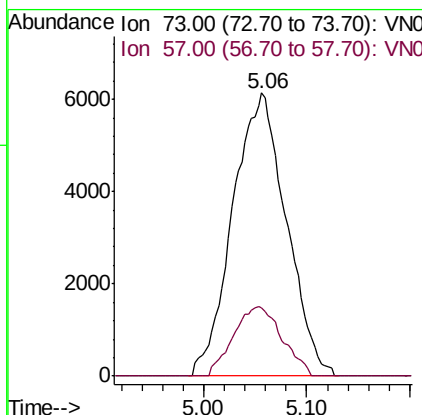
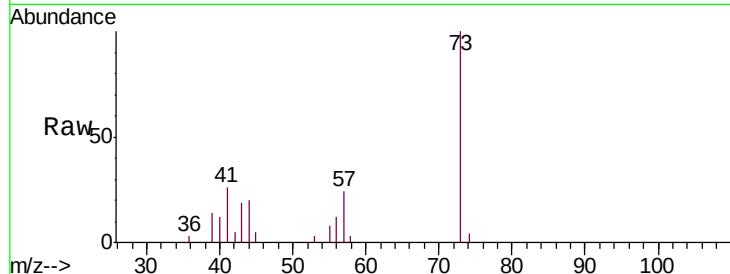




#19
Methyl tert-butyl Ether
Concen: 1.02 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

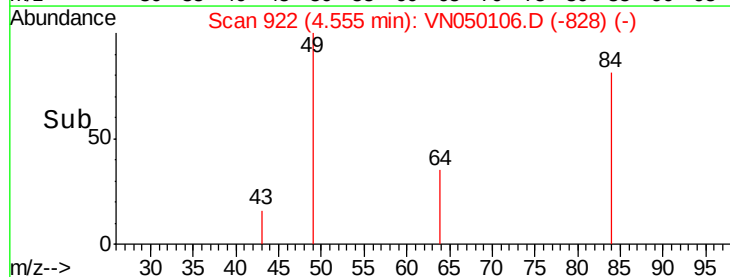
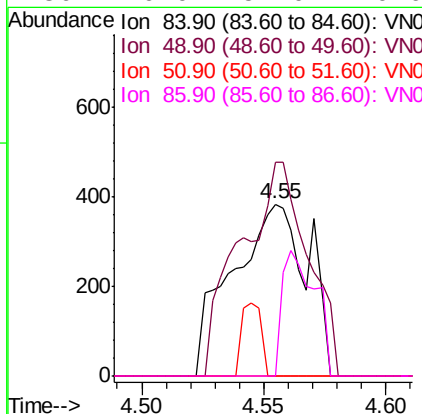
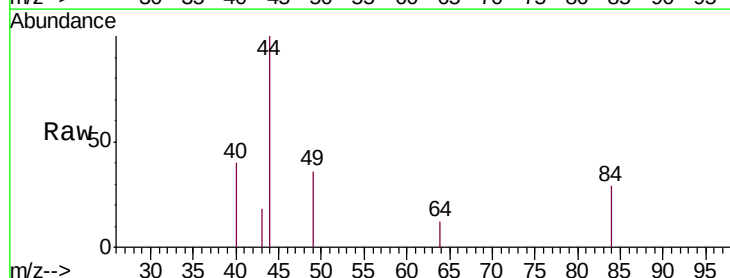
Instrument :
MSVOA_N
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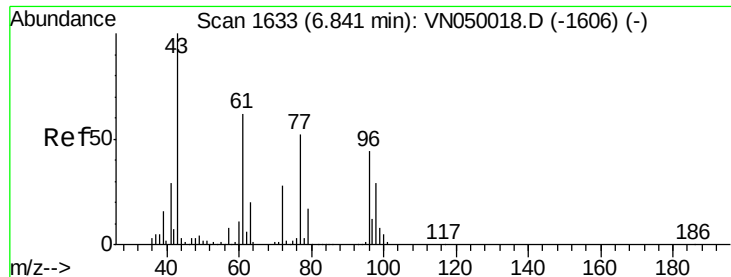
Tot Ion: 73 Resp: 22157
Ion Ratio Lower Upper
73 100
57 24.2 18.0 27.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion: 84 Resp: 822
Ion Ratio Lower Upper
84 100
49 124.2 94.8 142.2
51 0.0 28.3 42.5#
86 0.0 51.0 76.6#

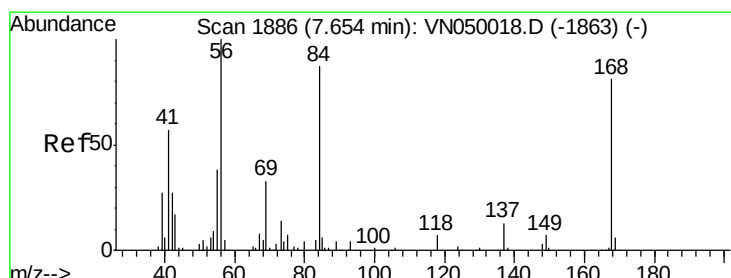
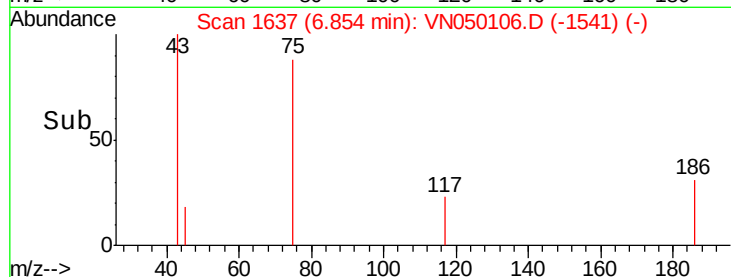
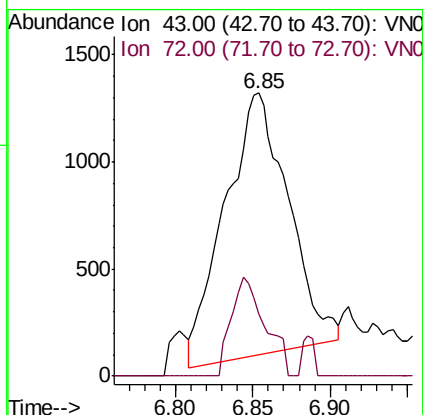
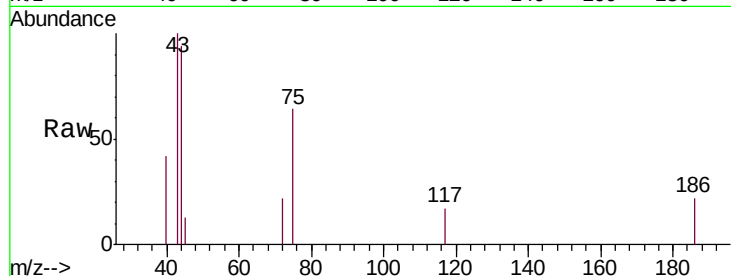




#25
2-Butanone
Concen: 0.93 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

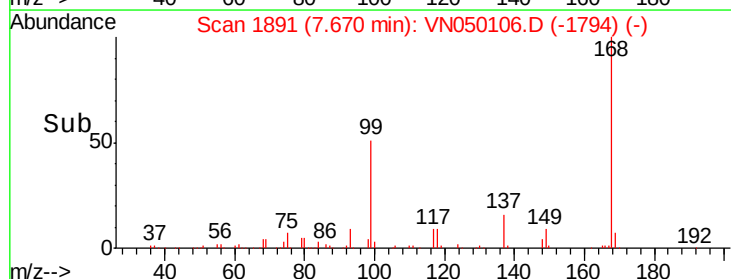
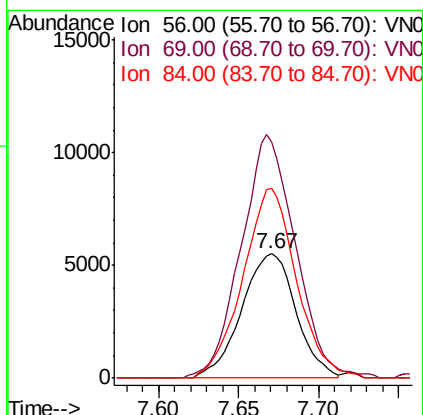
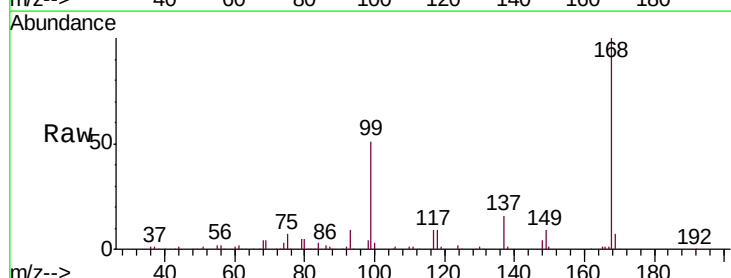
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MW-18

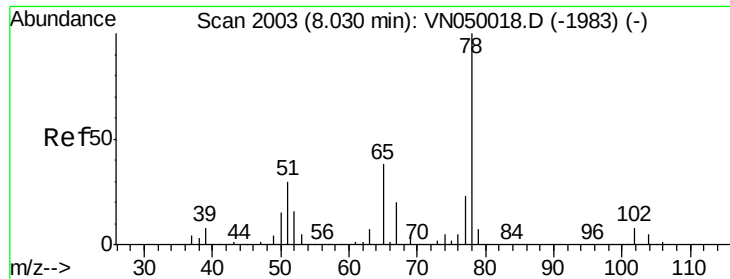
Tot Ion: 43 Resp: 3502
Ion Ratio Lower Upper
43 100
72 25.2 21.5 32.3



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion: 56 Resp: 12917
Ion Ratio Lower Upper
56 100
69 187.4 26.2 39.4#
84 153.1 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 48.77 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

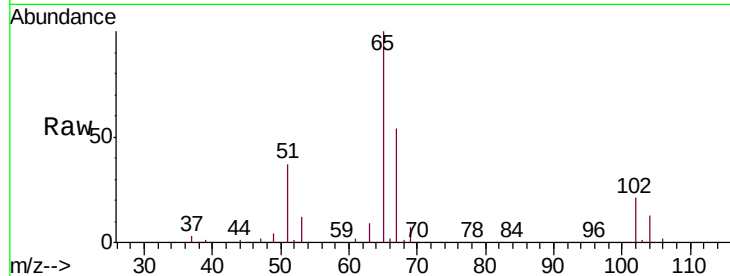
MW-18

Tot Ion: 65 Resp: 479701

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

150000

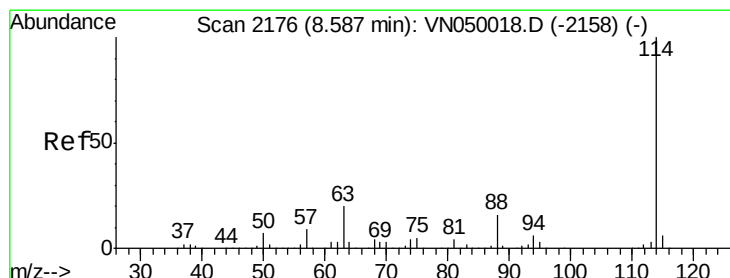
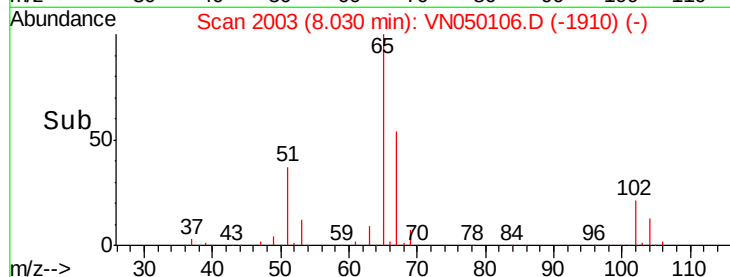
100000

50000

0

Time-->

7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

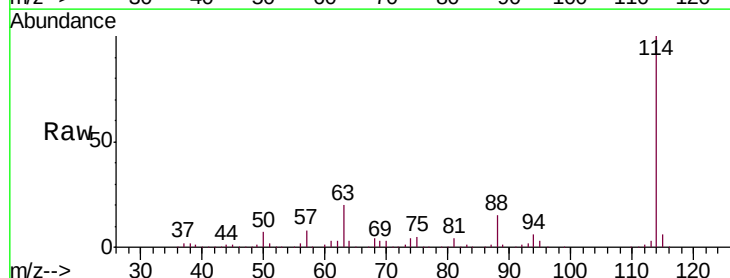
Tgt Ion: 114 Resp: 1132954

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

600000

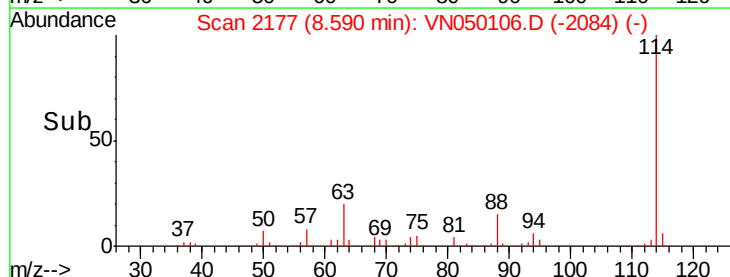
400000

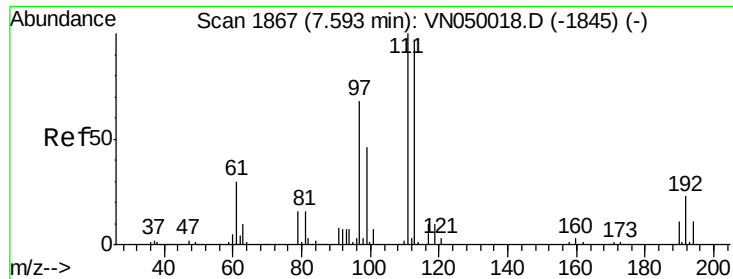
200000

0

Time-->

8.50 8.60 8.70

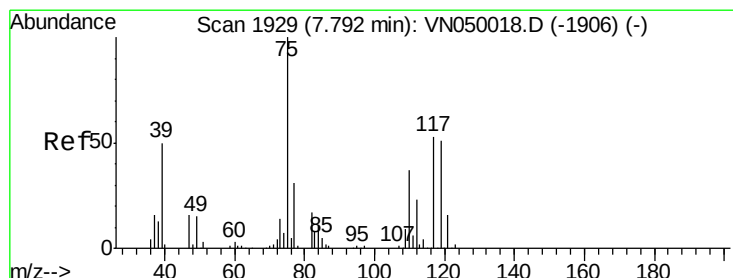
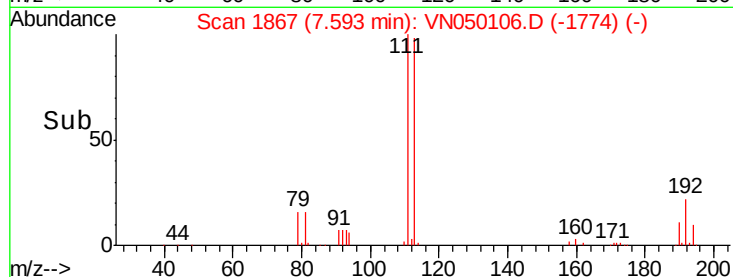
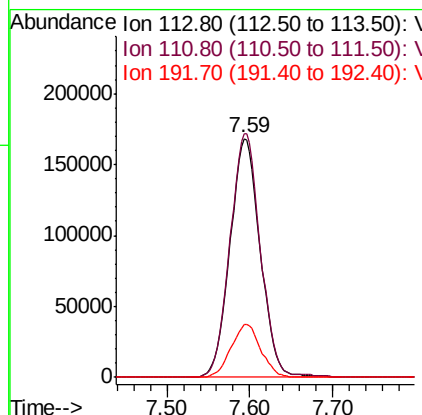
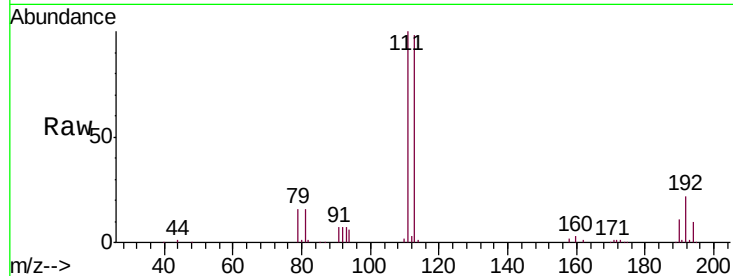




#35
 Dibromofluoromethane
 Concen: 46.19 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050106.D
 Acq: 27 Jul 2018 2:00

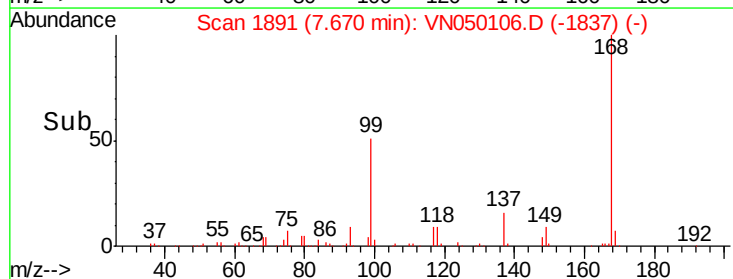
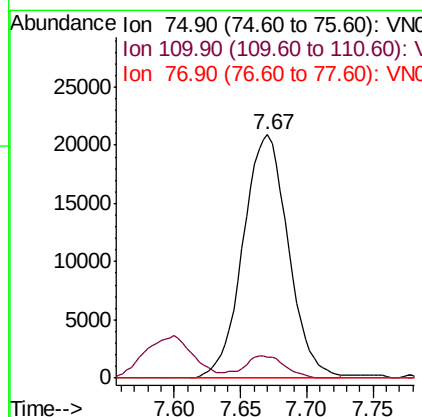
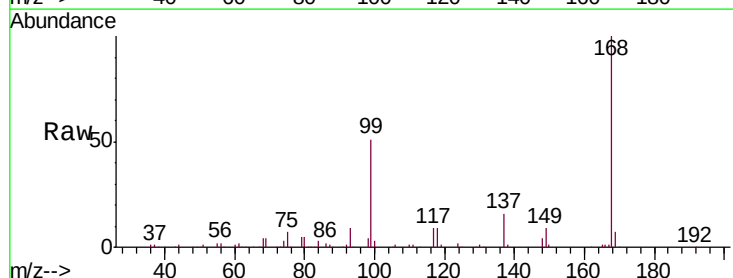
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

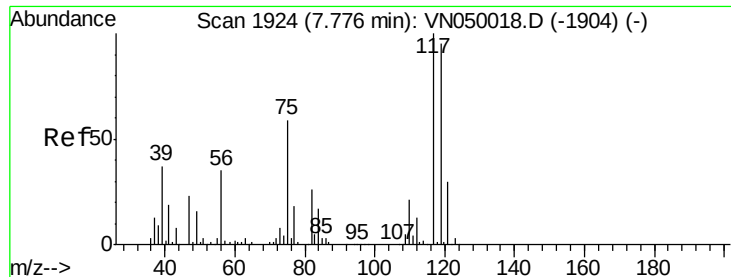
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	21.8	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050106.D
 Acq: 27 Jul 2018 2:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.2#
77	0.0	25.3	37.9#

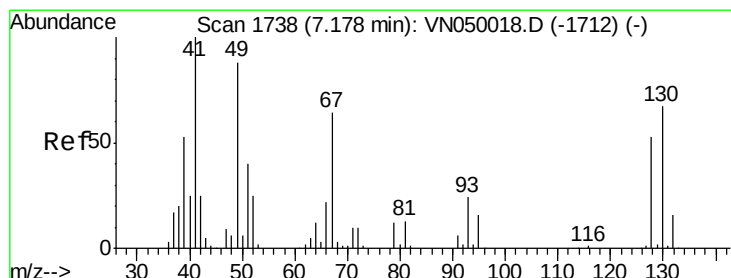
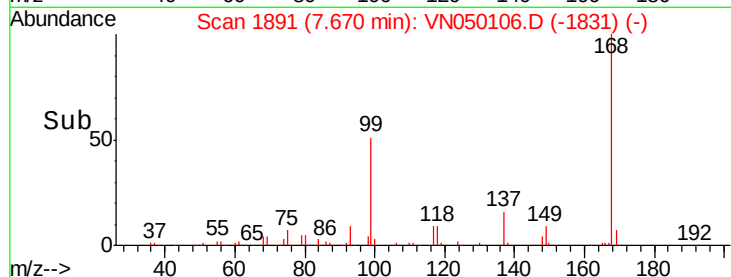
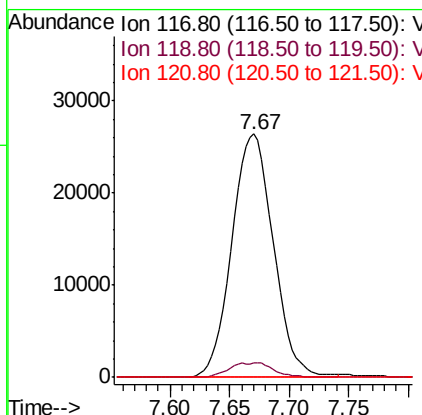
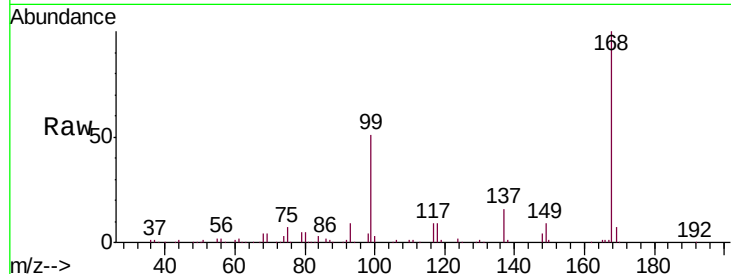




#38
Carbon Tetrachloride
Concen: 4.71 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

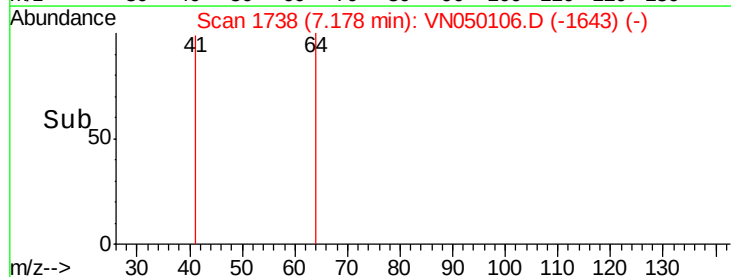
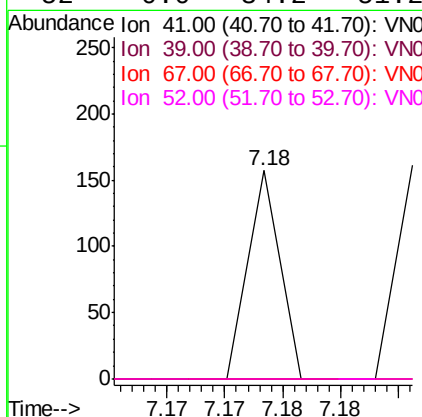
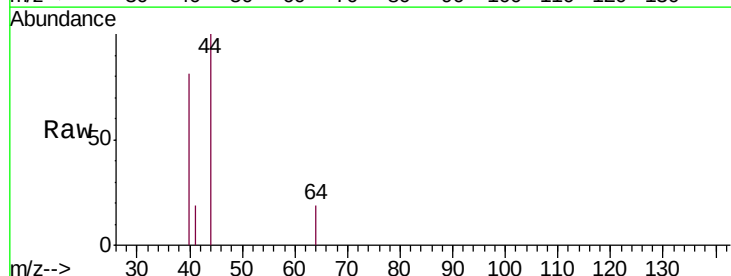
Instrument :
MSVOA_N
ClientSampled :
MW-18

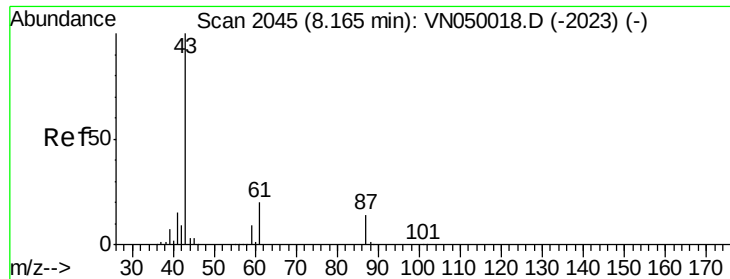
Tot Ion:117 Resp: 63856
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 2.75 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion: 41 Resp: 30
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 8.91 ug/l

RT: 8.27 min Scan# 2078

Delta R.T. 0.10 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

MW-18

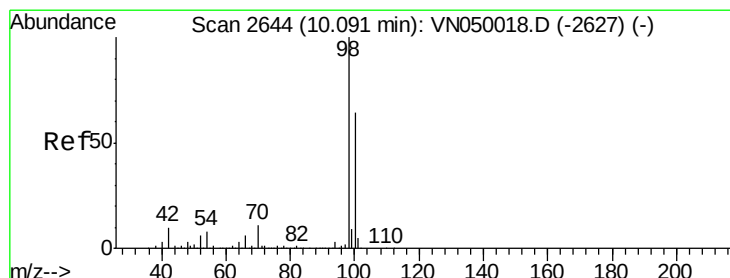
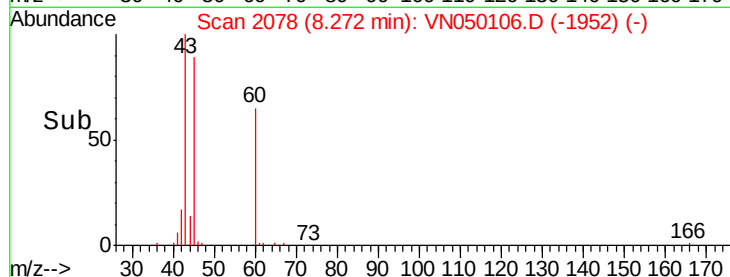
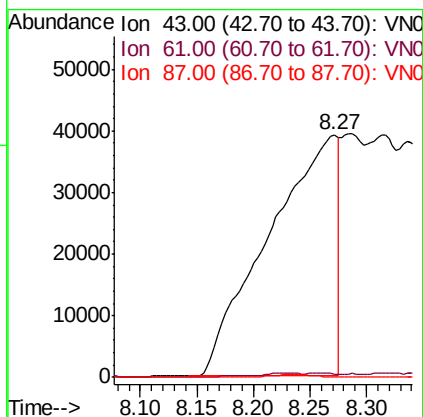
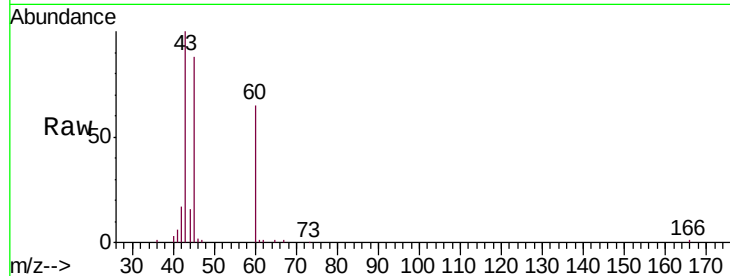
Tot Ion: 43 Resp: 165201

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 45.39 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050106.D

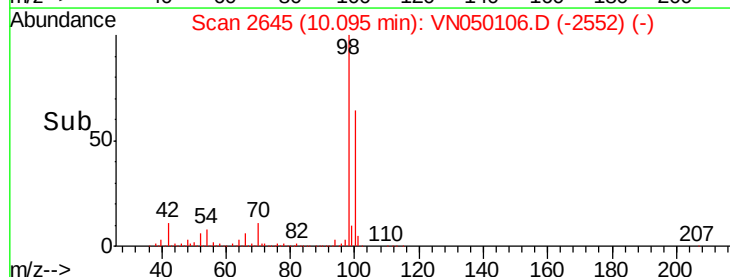
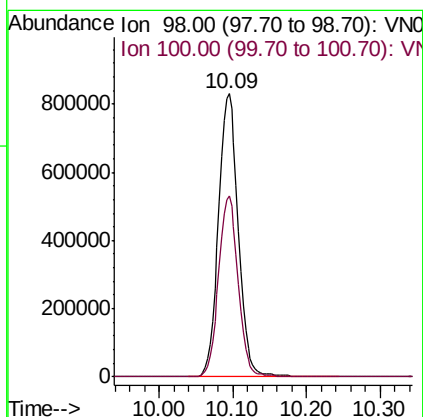
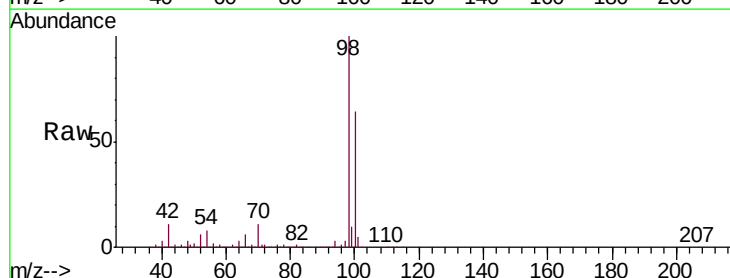
Acq: 27 Jul 2018 2:00

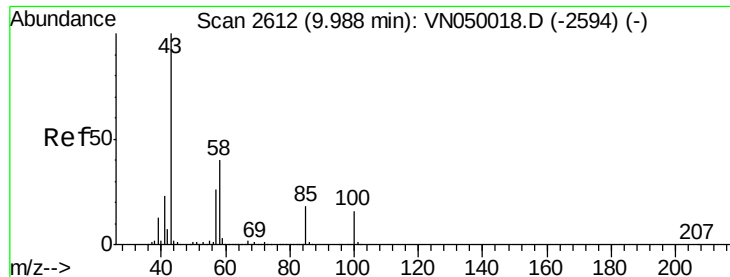
Tgt Ion: 98 Resp: 1543615

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1

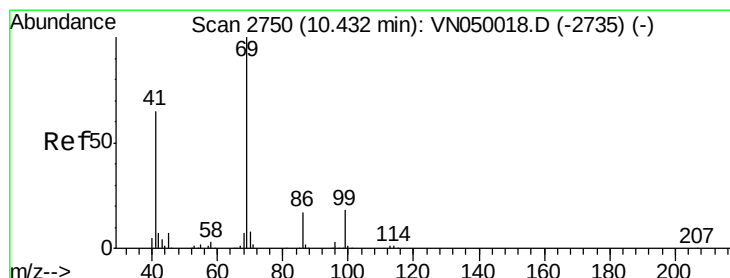
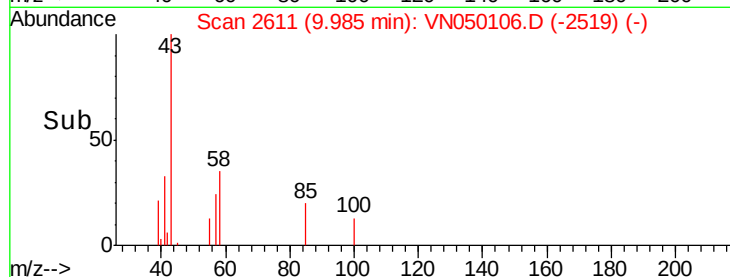
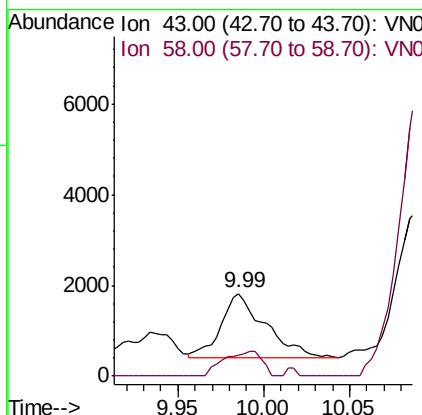
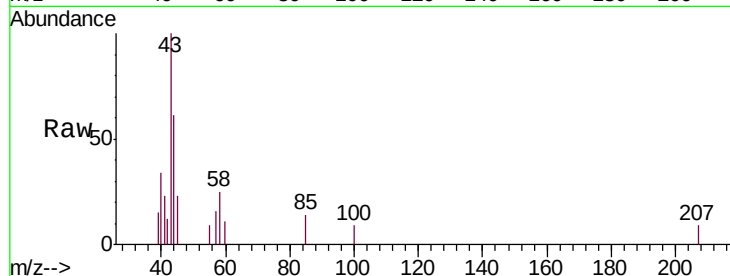




#51
4-Methyl-2-Pentanone
Concen: 0.28 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

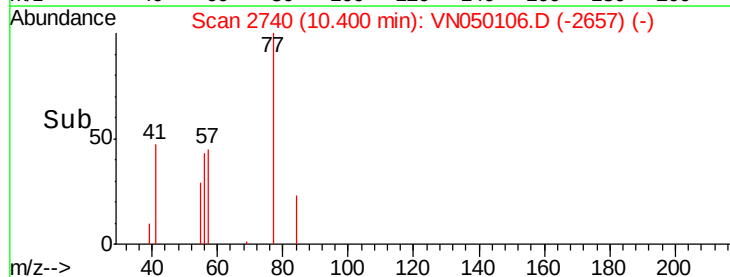
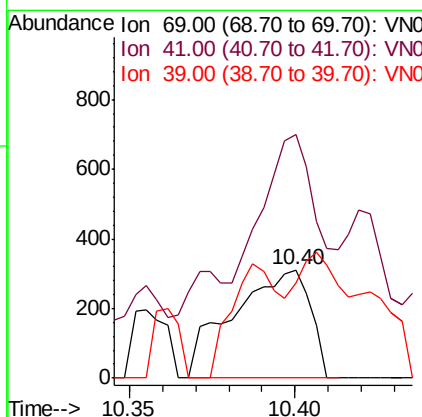
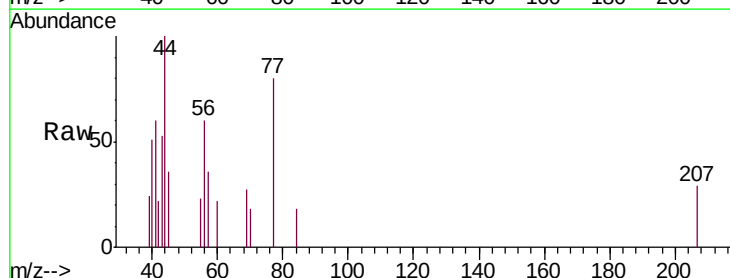
Instrument :
MSVOA_N
ClientSampled :
MW-18

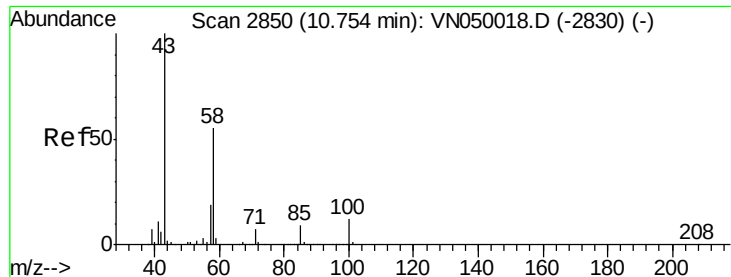
Tot Ion: 43 Resp: 2493
Ion Ratio Lower Upper
43 100
58 33.8 31.9 47.9



#56
Ethyl methacrylate
Concen: 2.07 ug/l
RT: 10.40 min Scan# 2740
Delta R.T. -0.03 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion: 69 Resp: 504
Ion Ratio Lower Upper
69 100
41 161.3 51.0 76.4#
39 109.5 26.6 40.0#

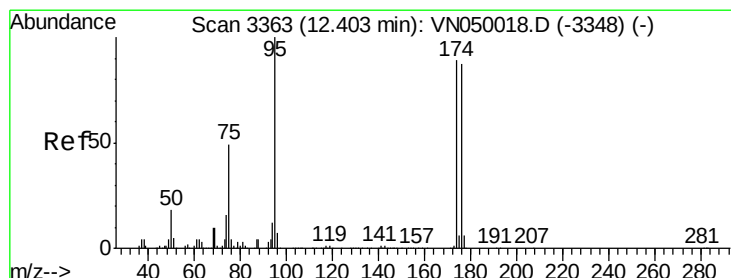
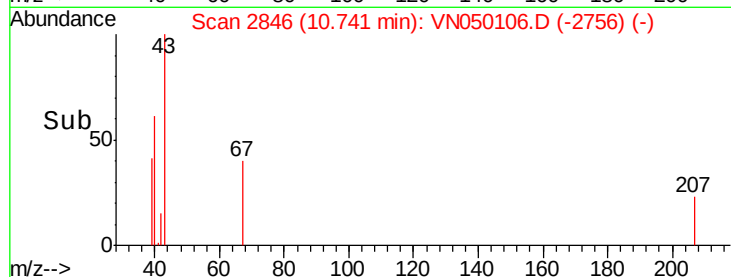
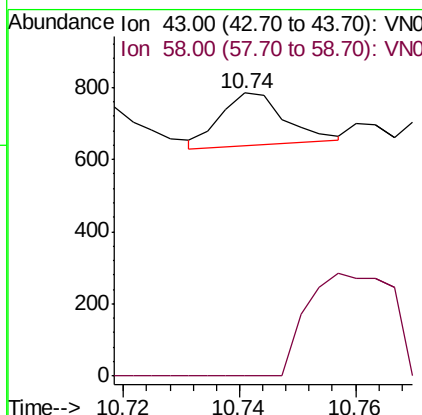
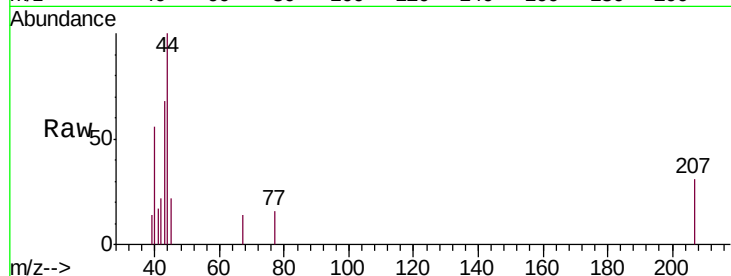




#59
2-Hexanone
Concen: 5.19 ug/l
RT: 10.74 min Scan# 2846
Delta R.T. -0.01 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

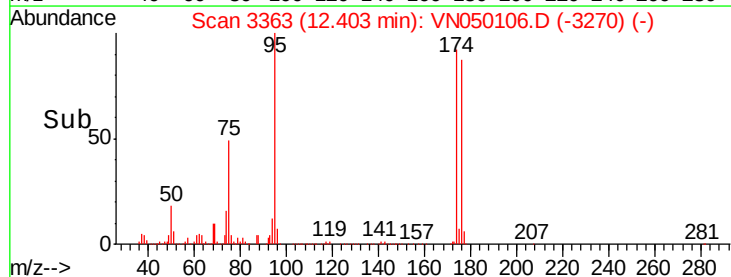
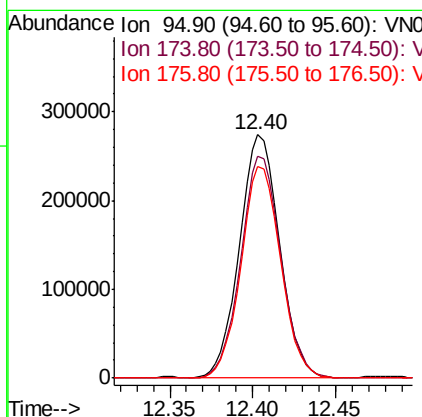
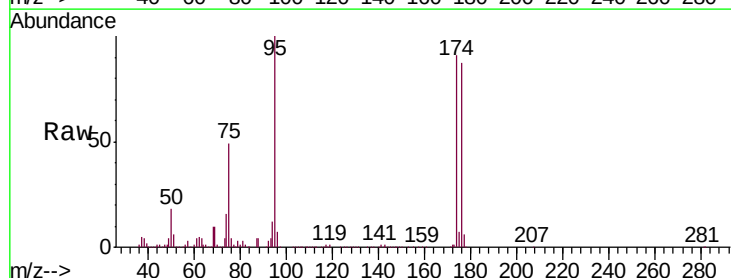
Instrument :
MSVOA_N
ClientSampled :
MW-18

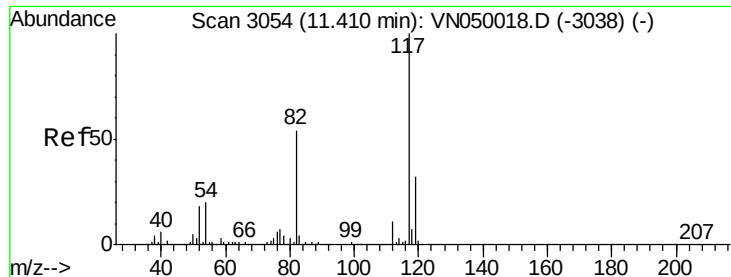
Tot Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
58 254.9 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 41.06 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion: 95 Resp: 459826
Ion Ratio Lower Upper
95 100
174 91.7 0.0 178.2
176 86.8 0.0 173.4

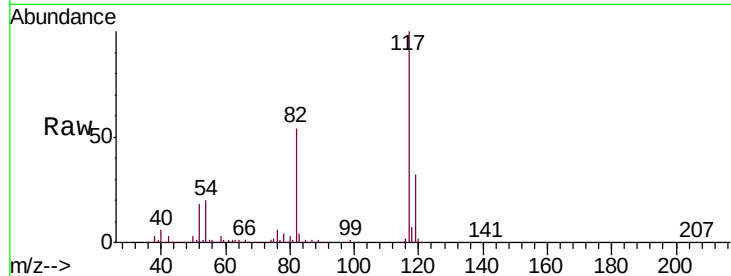




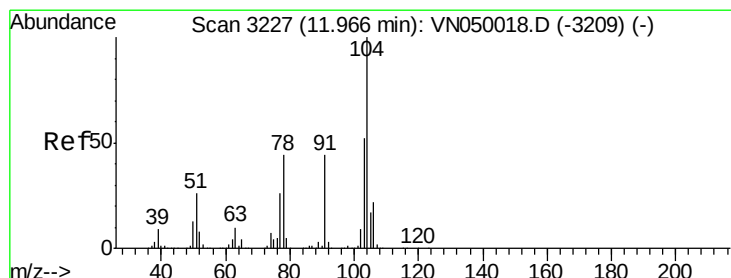
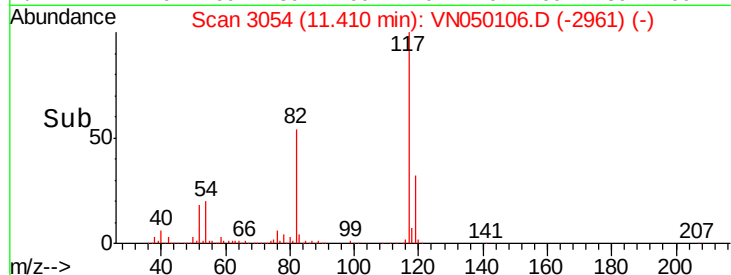
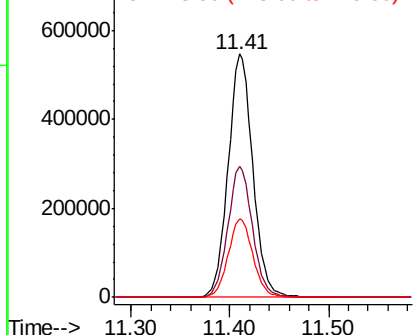
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Instrument :
MSVOA_N
ClientSampled :
MW-18

Tot Ion:117 Resp: 957000
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.3 26.1 39.1

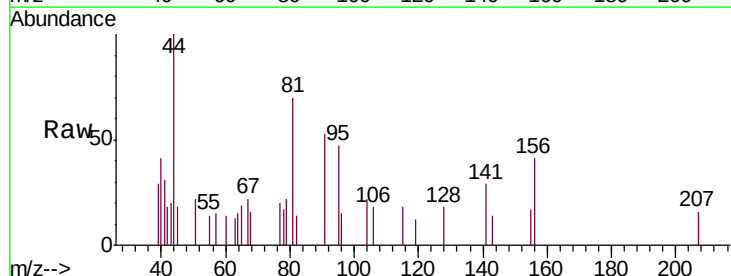


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

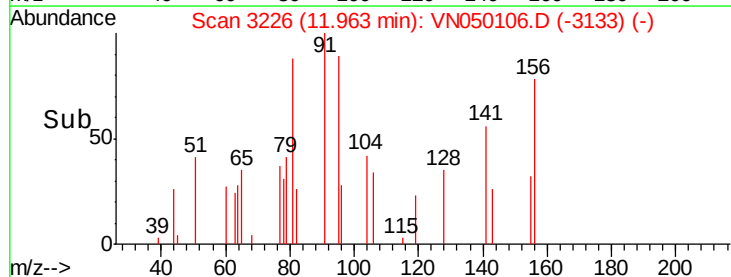
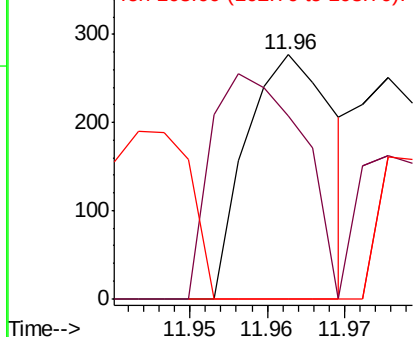


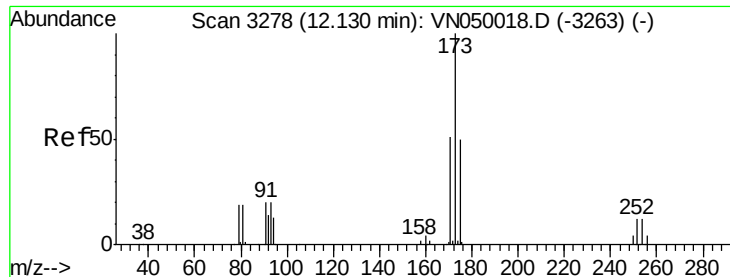
#70
Styrene
Concen: 0.93 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion:104 Resp: 217
Ion Ratio Lower Upper
104 100
78 96.3 39.3 58.9#
103 61.3 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.48 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

MW-18

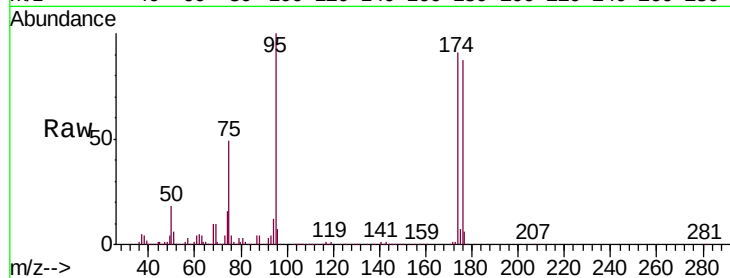
Tot Ion:173 Resp: 3267

Ion Ratio Lower Upper

173 100

175 823.2 24.1 72.2#

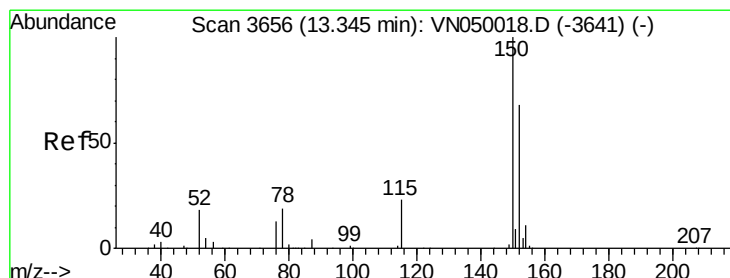
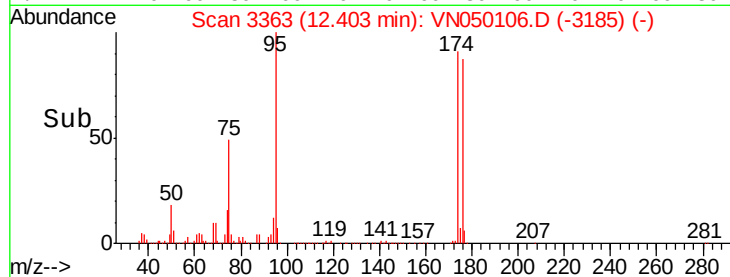
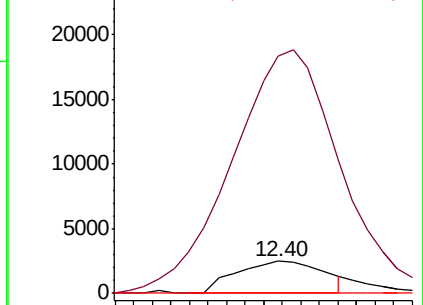
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

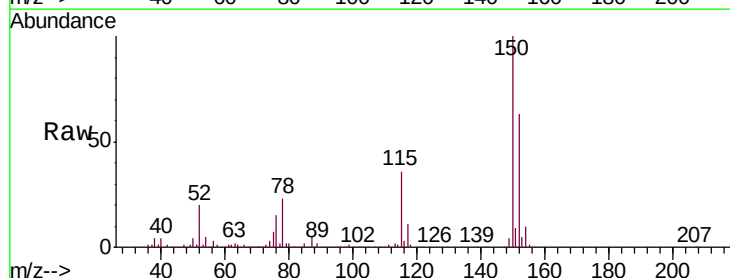
Tgt Ion:152 Resp: 387228

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

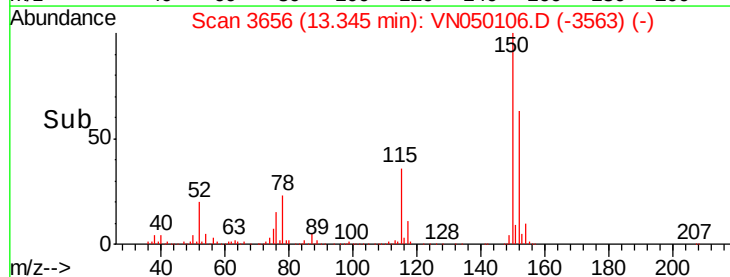
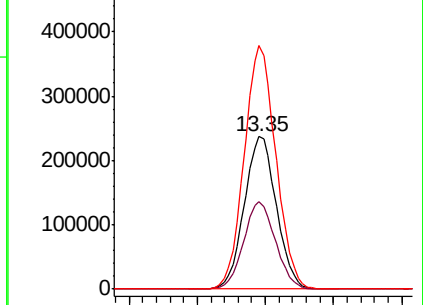
150 157.2 0.0 348.6

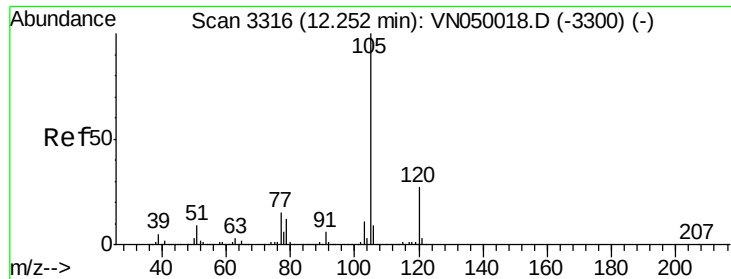


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.70 ua/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

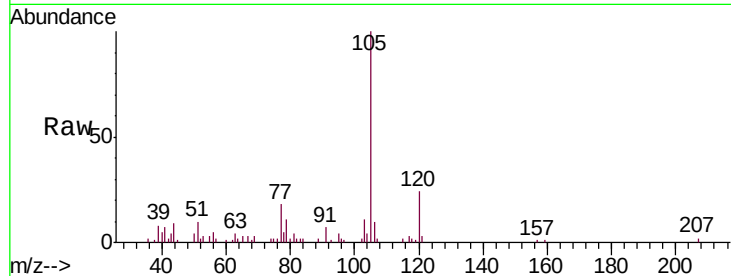
MW-18

Tot Ion:105 Resp: 20974

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

15000

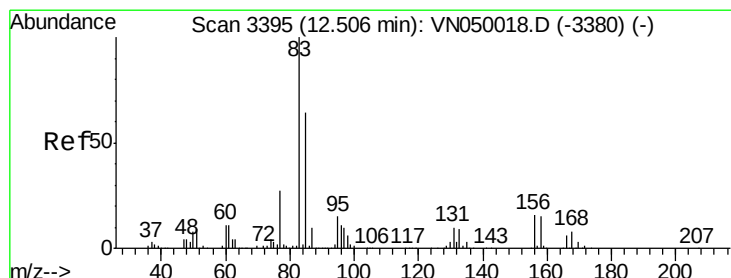
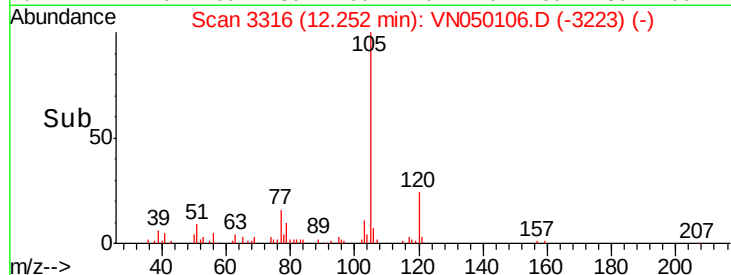
10000

5000

0

Time-->

12.20 12.25 12.30



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3403

Delta R.T. 0.03 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

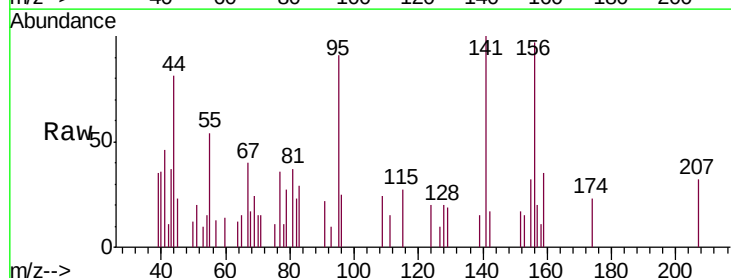
Tgt Ion: 83 Resp: 1055

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 12.6 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO

600

500

400

300

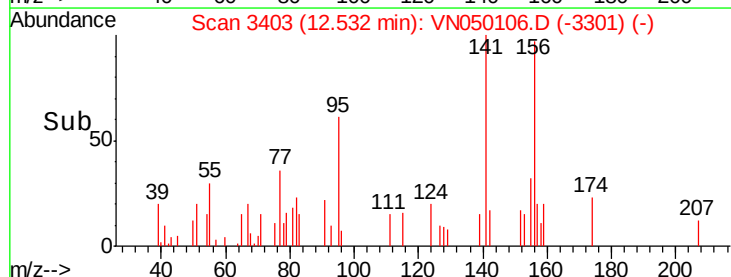
200

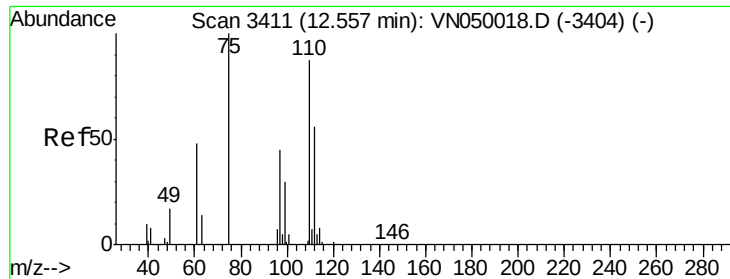
100

0

Time-->

12.50 12.55





#76

1,2,3-Trichloropropane

Concen: 31.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

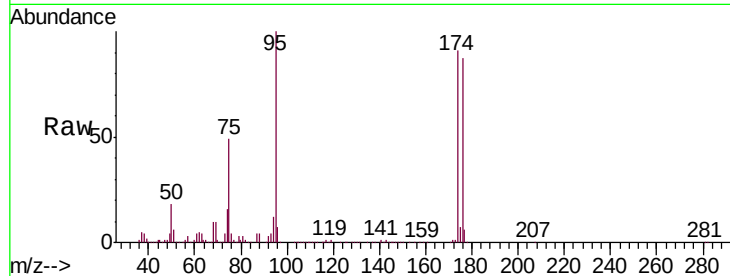
MW-18

Tot Ion: 75 Resp: 228034

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



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

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

12.40

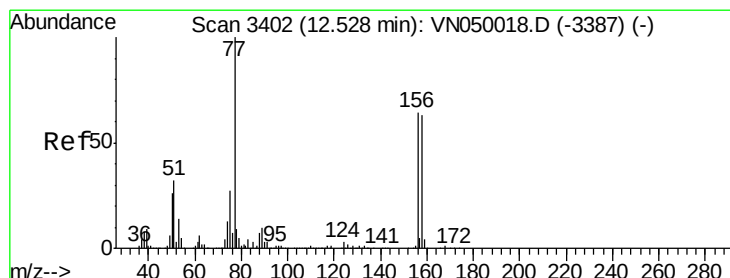
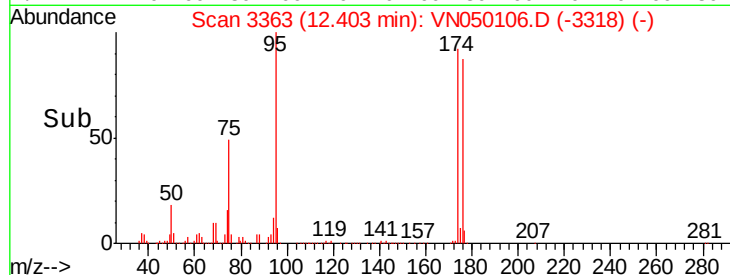
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 0.31 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

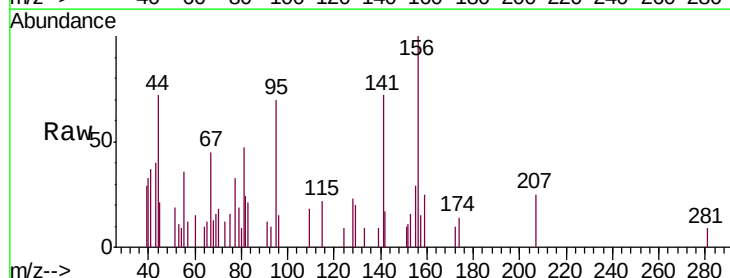
Tgt Ion: 156 Resp: 2616

Ion Ratio Lower Upper

156 100

77 12.9 91.7 275.1#

158 2.4 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): VN050018.D (-3387) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3387) (-)

Ion 157.80 (157.50 to 158.50): VN050018.D (-3387) (-)

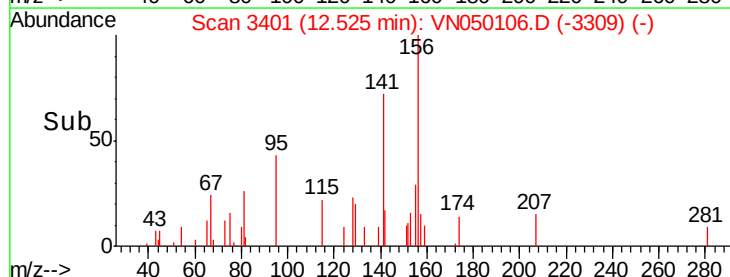
3000

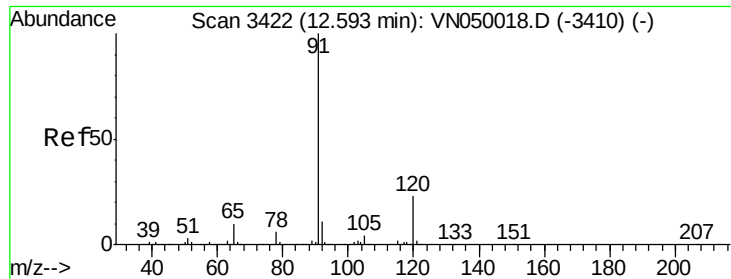
2000

1000

0

Time-->

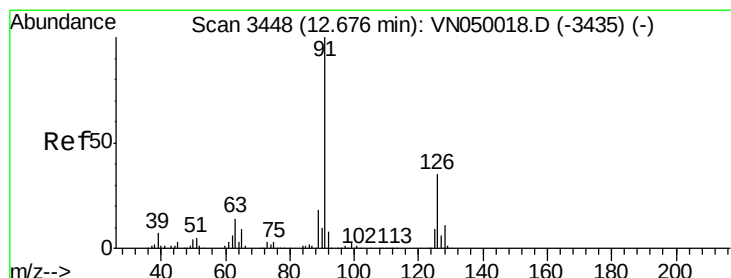
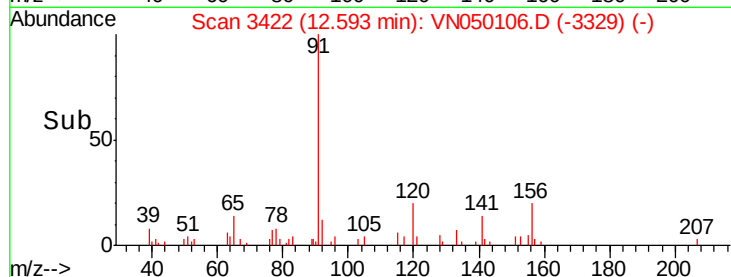
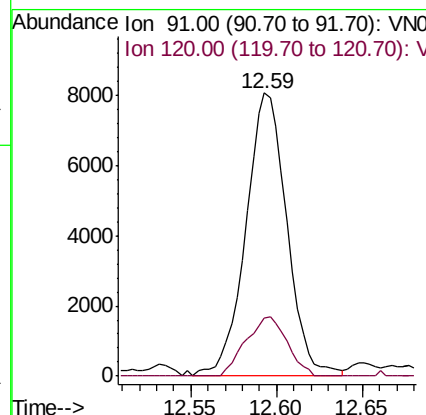
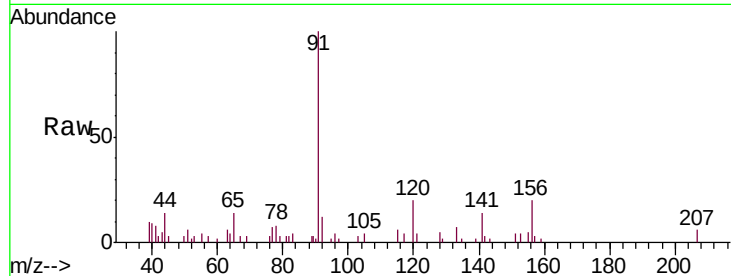




#78
n-propylbenzene
Concen: 0.40 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

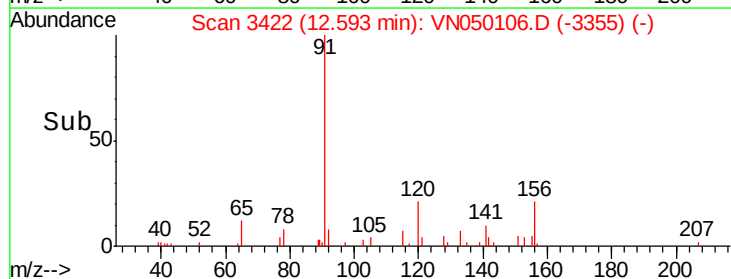
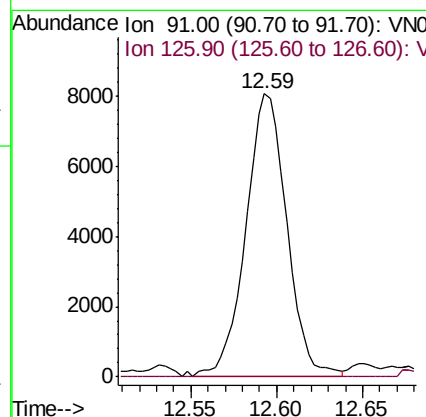
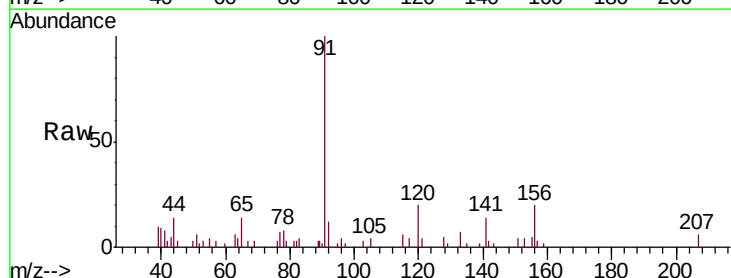
Instrument :
MSVOA_N
ClientSampled :
MW-18

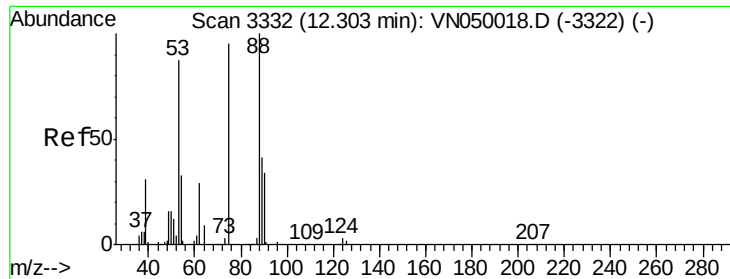
Tot Ion: 91 Resp: 13379
Ion Ratio Lower Upper
91 100
120 20.9 11.6 34.7



#79
2-Chlorotoluene
Concen: 0.64 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.08 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion: 91 Resp: 13379
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 100.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampled :

MW-18

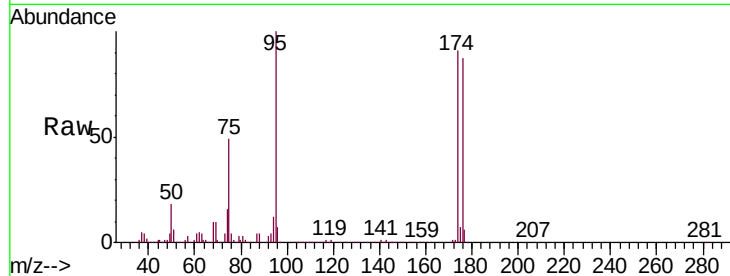
Tot Ion: 75 Resp: 228034

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

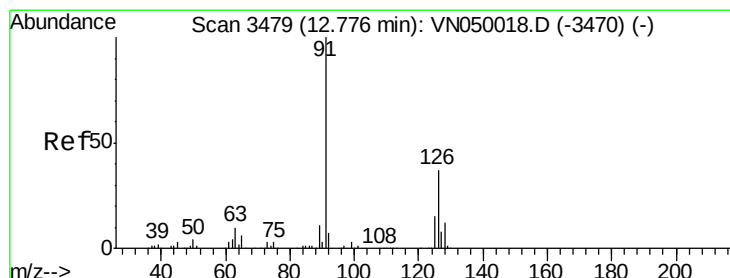
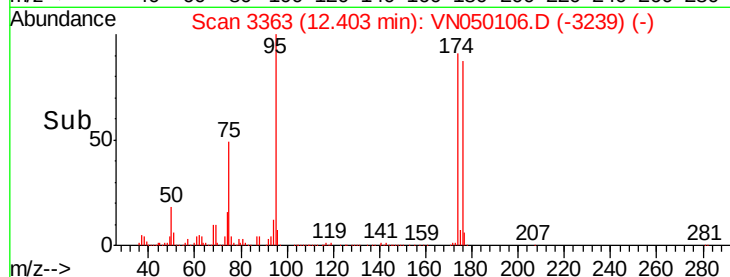
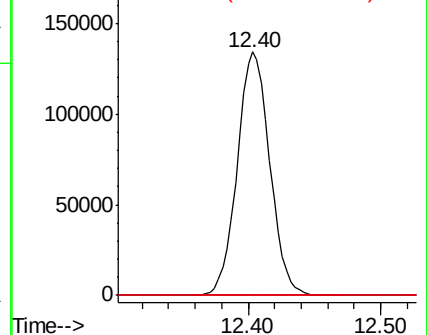
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.65 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN050106.D

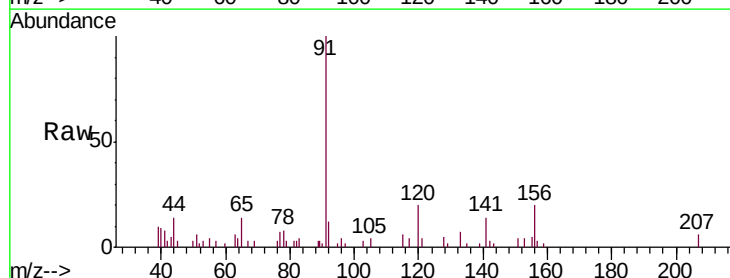
Acq: 27 Jul 2018 2:00

Tgt Ion: 91 Resp: 13379

Ion Ratio Lower Upper

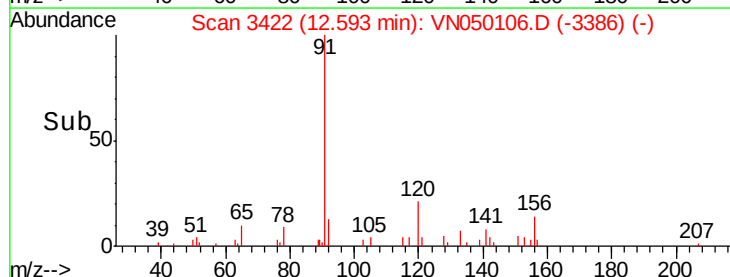
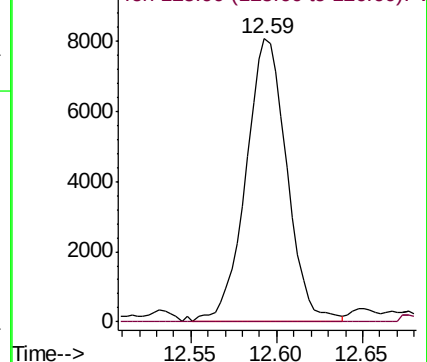
91 100

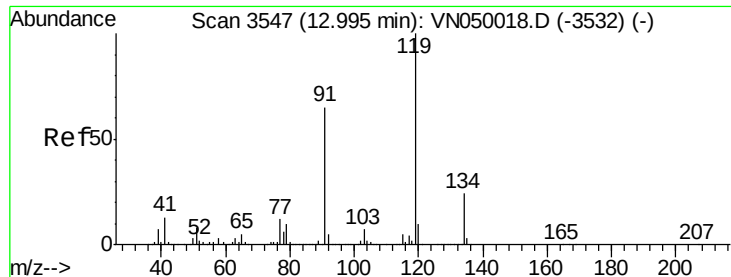
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

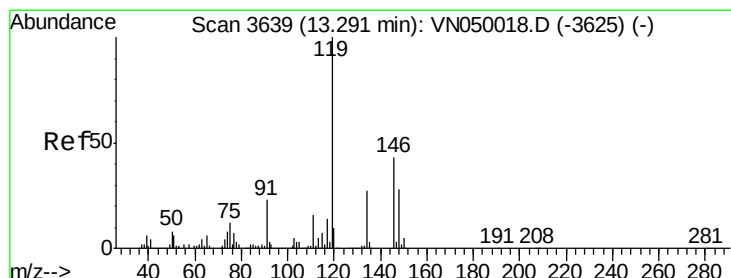
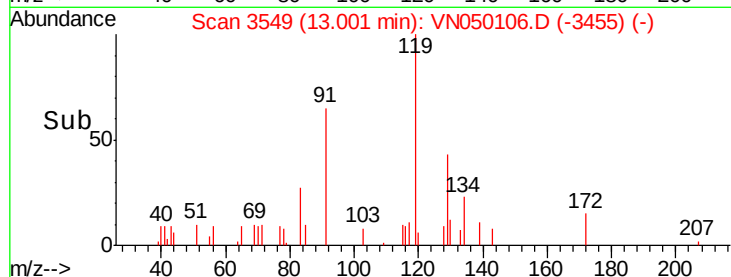
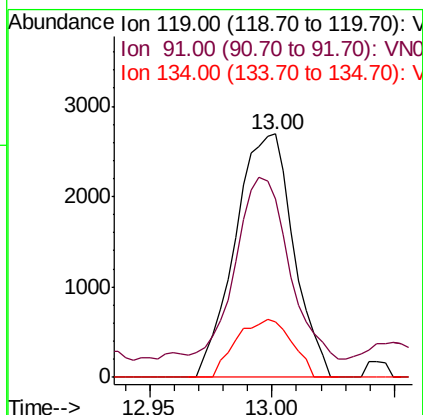
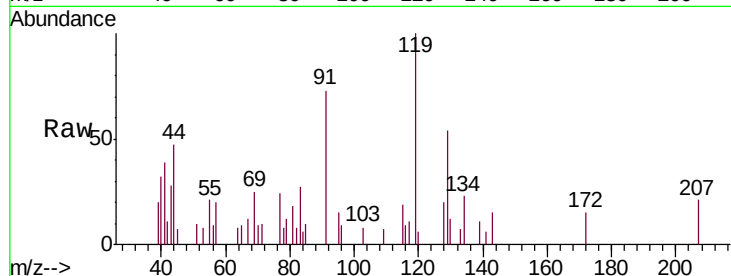




#83
tert-Butylbenzene
Concen: 0.22 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

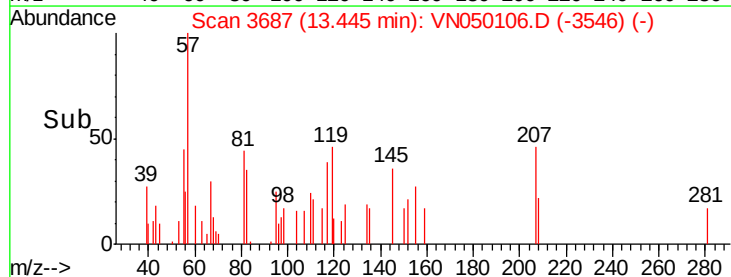
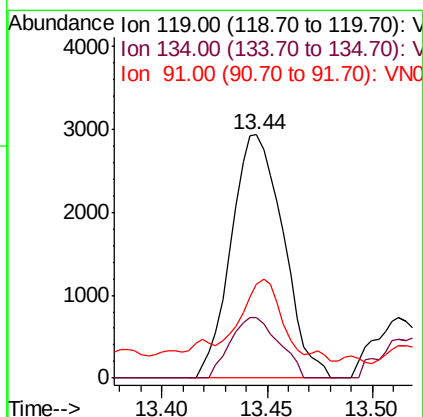
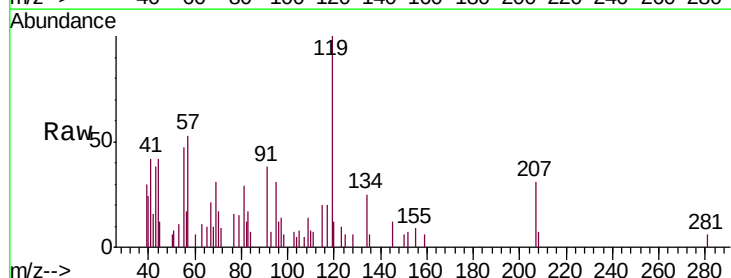
Instrument :
MSVOA_N
ClientSampled :
MW-18

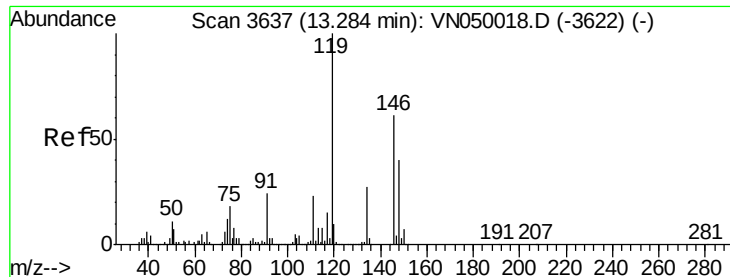
Tot Ion:119 Resp: 4452
Ion Ratio Lower Upper
119 100
91 67.4 32.1 96.3
134 22.6 13.2 39.5



#86
p-Isopropyltoluene
Concen: 0.22 ug/l
RT: 13.44 min Scan# 3687
Delta R.T. 0.15 min
Lab File: VN050106.D
Acq: 27 Jul 2018 2:00

Tgt Ion:119 Resp: 5034
Ion Ratio Lower Upper
119 100
134 23.3 13.3 39.8
91 27.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 0.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampleId :

MW-18

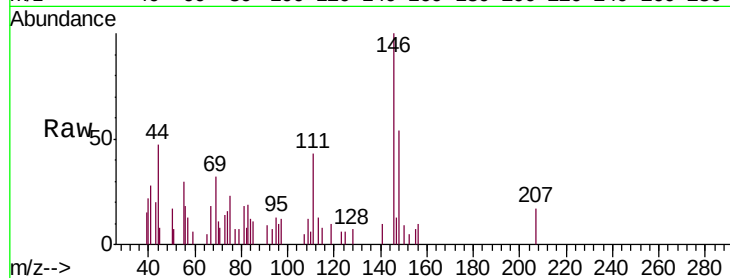
Tot Ion:146 Resp: 4735

Ion Ratio Lower Upper

146 100

111 52.4 18.8 56.4

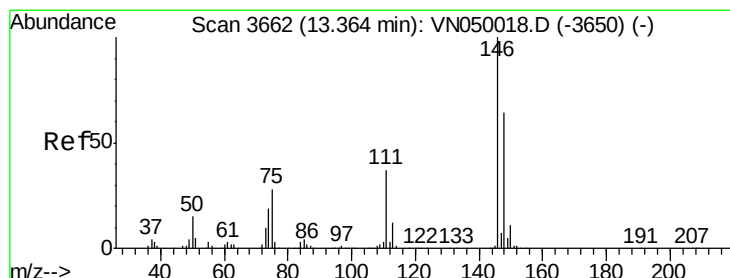
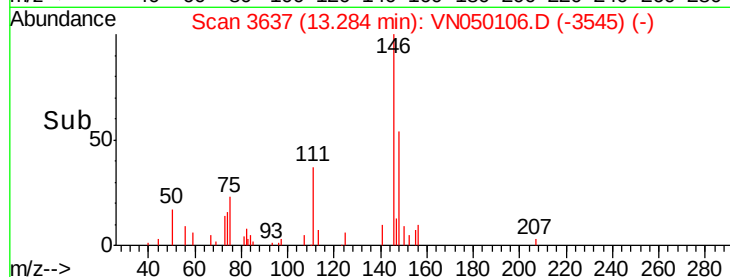
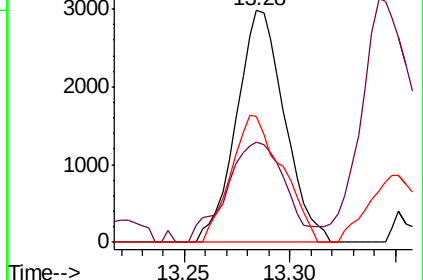
148 57.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.08 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

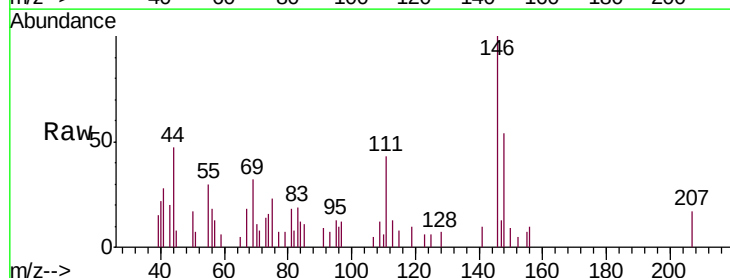
Tgt Ion:146 Resp: 4735

Ion Ratio Lower Upper

146 100

111 52.4 18.3 54.9

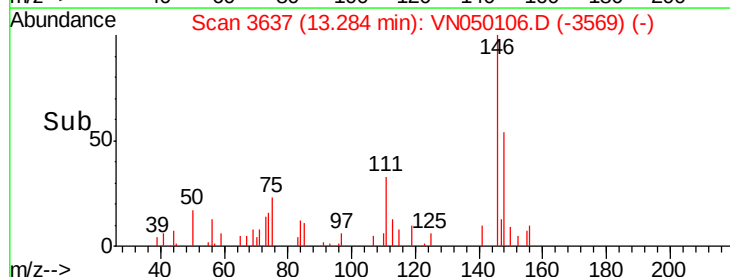
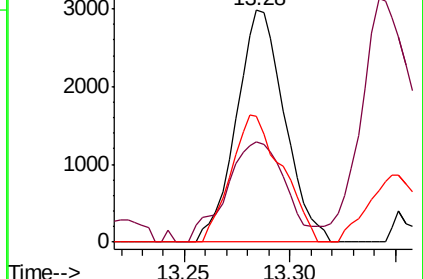
148 57.9 31.9 95.9

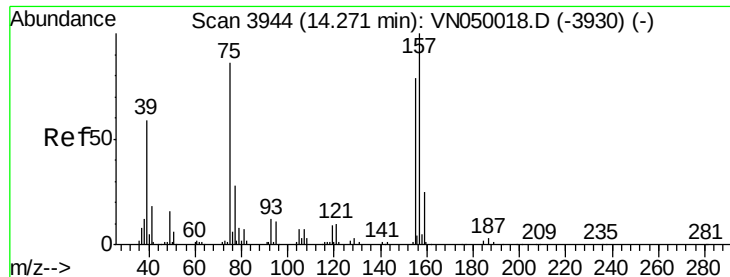


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.20 min Scan# 3922

Delta R.T. -0.07 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampleId :

MW-18

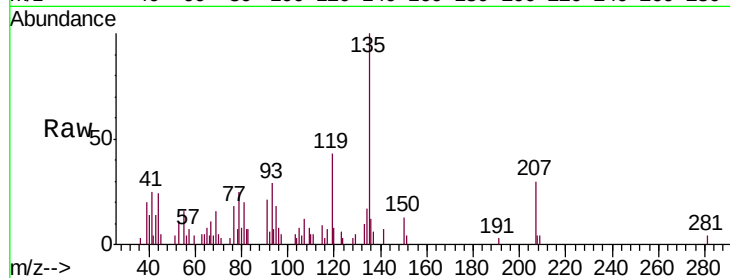
Tot Ion: 75 Resp: 60

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) (-)

14.20

150

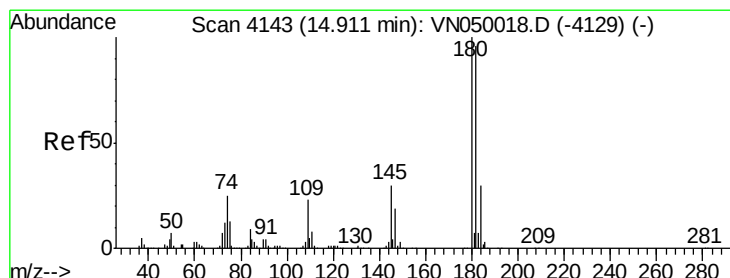
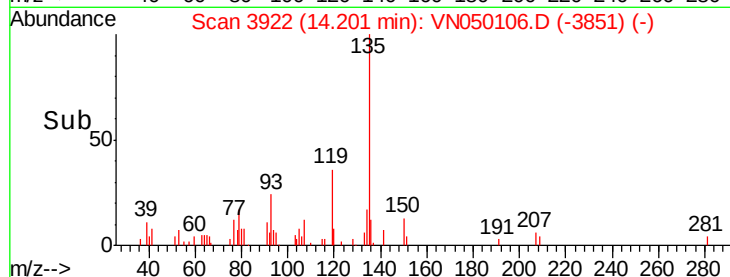
100

50

0

14.19 14.20 14.21

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.11 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

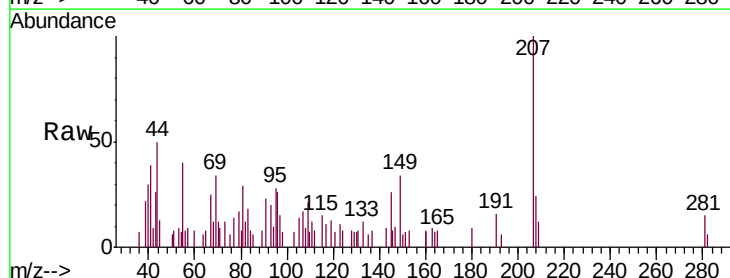
Tgt Ion: 180 Resp: 156

Ion Ratio Lower Upper

180 100

182 60.3 46.7 140.1

145 3087.2 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) (-)

4000

3000

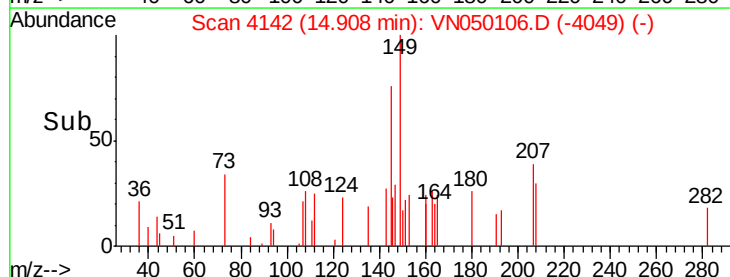
2000

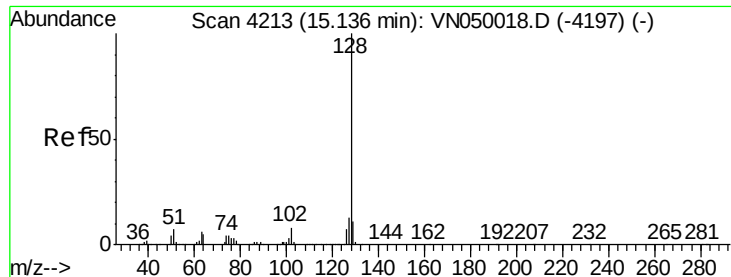
1000

0

14.90 14.91 14.92

Time-->





#95

Naphthalene

Concen: 4.75 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

Instrument :

MSVOA_N

ClientSampleId :

MW-18

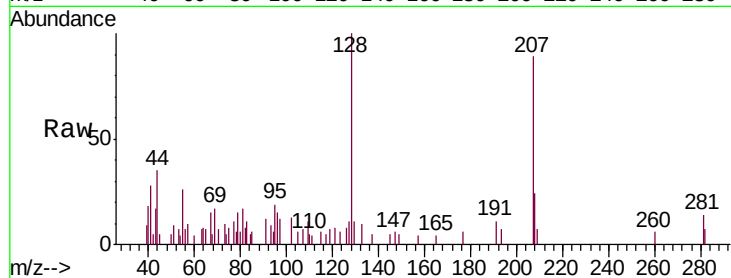
Tot Ion:128 Resp: 6412

Ion Ratio Lower Upper

128 100

127 9.0 10.4 15.6#

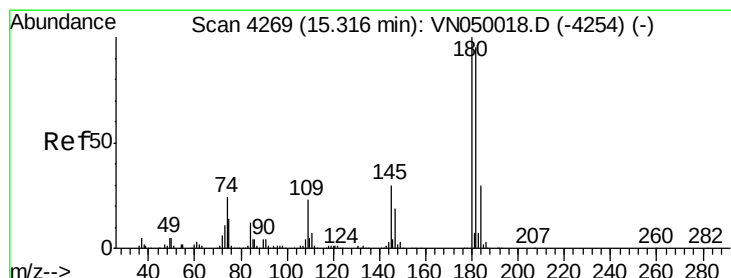
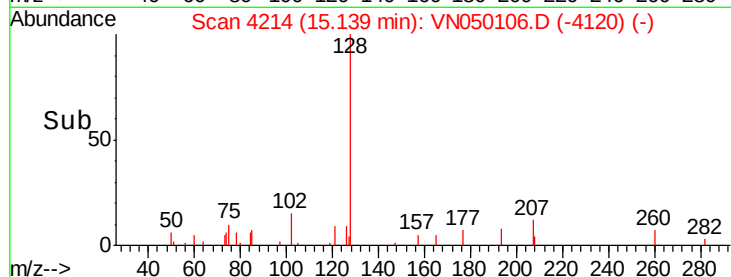
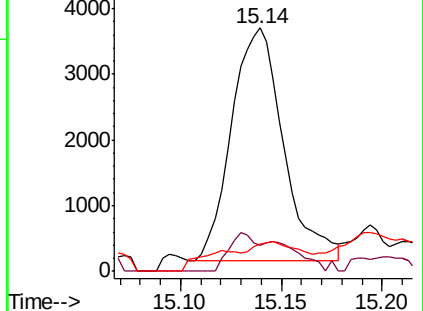
129 12.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.22 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050106.D

Acq: 27 Jul 2018 2:00

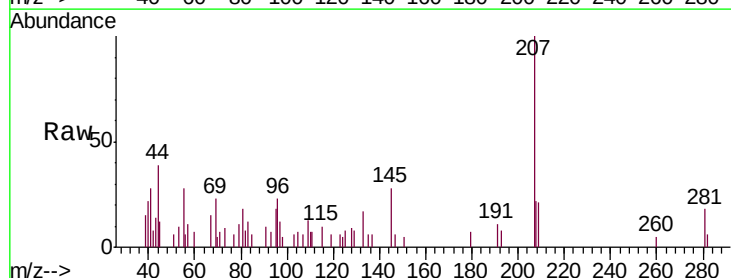
Tgt Ion:180 Resp: 122

Ion Ratio Lower Upper

180 100

182 132.0 48.1 144.4

145 3652.5 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

