

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050240.D
 Acq On : 1 Aug 2018 11:25
 Operator : MD\SY
 Sample : J4256-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17

Quant Time: Aug 02 00:52:10 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	695203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1130706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	949306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	390084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	485768	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.59	113	428312	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
50) Toluene-d8	10.09	98	1536533	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	12.40	95	452137	40.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.92%	

Target Compounds

					Qvalue	
5) Bromomethane	2.57	94	1255	Below Cal		92
11) Tert butyl alcohol	4.81	59	1881	2.64 ug/l	#	72
16) Acetone	3.83	43	10501	0.26 ug/l		100
17) Carbon Disulfide	4.05	76	5540	0.23 ug/l		97
18) Methyl Acetate	4.34	43	12869	Below Cal		99
19) Methyl tert-butyl Ether	5.05	73	5699	0.27 ug/l	#	84
20) Methylene Chloride	4.55	84	2761	Below Cal		94
25) 2-Butanone	6.85	43	784	0.21 ug/l	#	48
29) Tetrahydrofuran	7.22	42	838	0.35 ug/l	#	62
31) Cyclohexane	7.67	56	14234	1.00 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	47971	3.77 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	62998	4.66 ug/l	#	16
39) Methylcyclohexane	9.08	83	2633	0.20 ug/l		88
41) Methacrylonitrile	7.19	41	195	2.79 ug/l	#	10
43) Isopropyl Acetate	8.26	43	150221	8.02 ug/l	#	61
51) 4-Methyl-2-Pentanone	9.99	43	2135	0.24 ug/l	#	35
56) Ethyl methacrylate	10.44	69	935	2.10 ug/l	#	1
59) 2-Hexanone	10.61	43	2179	5.51 ug/l		67
70) Styrene	11.96	104	356	0.94 ug/l	#	1
71) Bromoform	12.41	173	4111	0.61 ug/l	#	1
73) Isopropylbenzene	12.25	105	33369	1.10 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.49	83	266	Below Cal	#	61
76) 1,2,3-Trichloropropane	12.40	75	219524	30.28 ug/l	#	100
77) Bromobenzene	12.57	156	16870	2.01 ug/l	#	1
78) n-propylbenzene	12.59	91	53094	1.57 ug/l		98
79) 2-Chlorotoluene	12.59	91	53094	2.53 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	12.40	75	219524	96.05 ug/l	#	13
82) 4-Chlorotoluene	12.59	91	53094	2.56 ug/l	#	41
83) tert-Butylbenzene	12.99	119	8923	0.43 ug/l		98
85) sec-Butylbenzene	13.17	105	29877	1.08 ug/l		89
86) p-Isopropyltoluene	13.44	119	46564	1.99 ug/l		95
89) n-Butylbenzene	13.62	91	11925	0.62 ug/l	#	52
90) Hexachloroethane	13.89	117	18851	3.63 ug/l	#	4
92) 1,2-Dibromo-3-Chloropropan	14.26	75	309	Below Cal	#	1

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

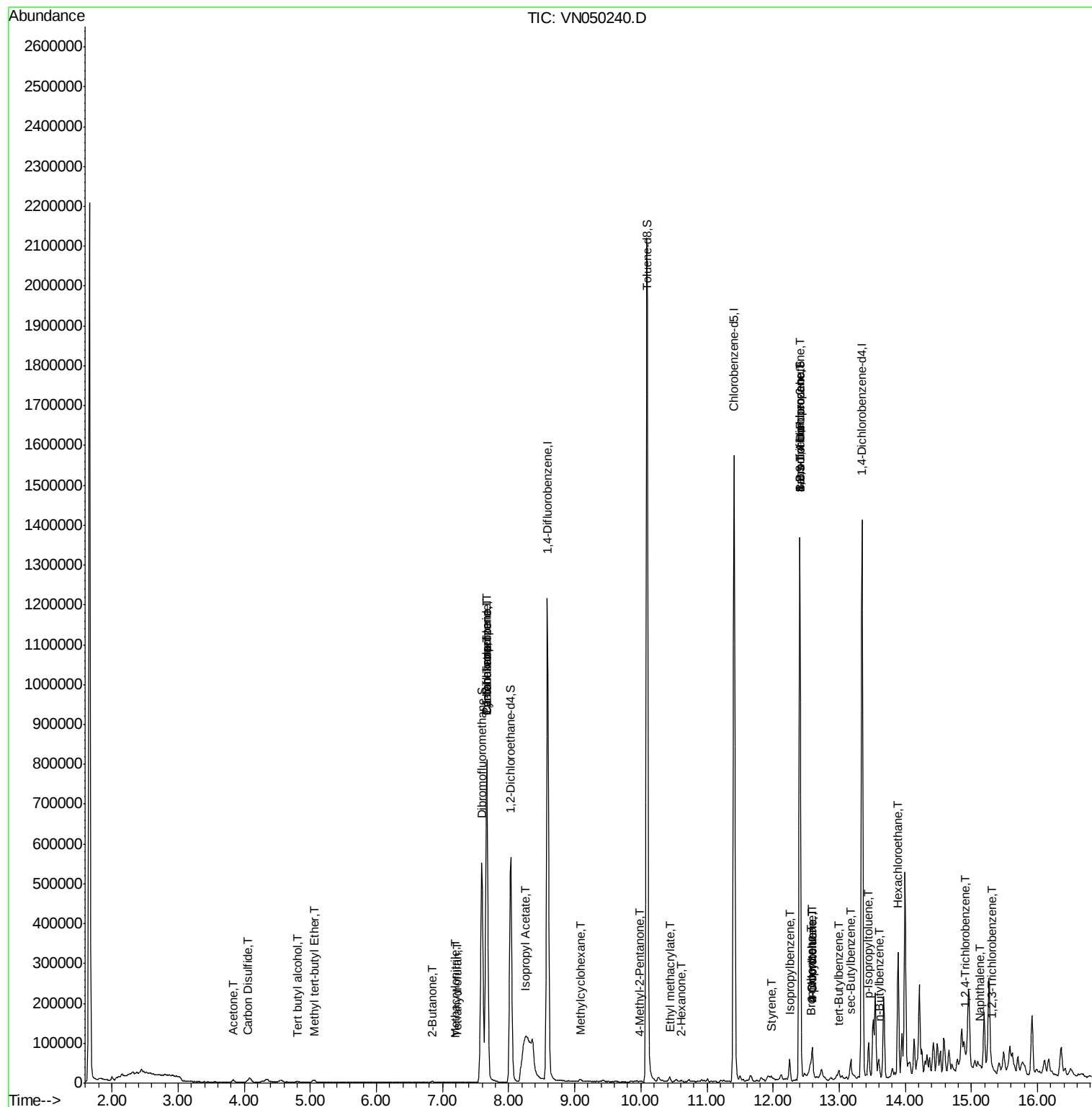
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	982	3.21	ug/l #	1
95) Naphthalene	15.14	128	7627	4.81	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.32	180	1015	2.34	ug/l #	85

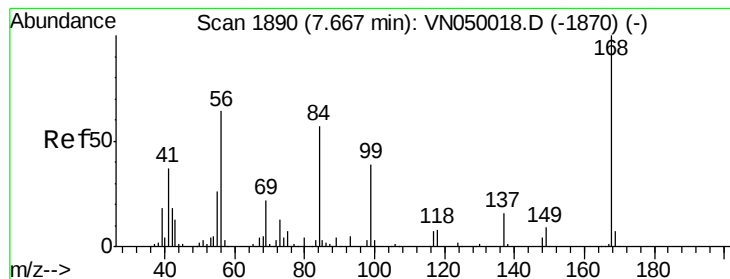
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

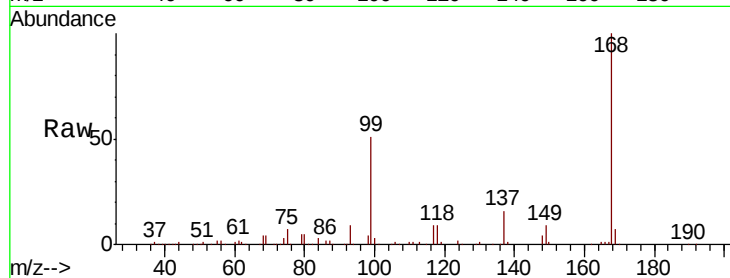
MW-17

Tot Ion:168 Resp: 695203

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

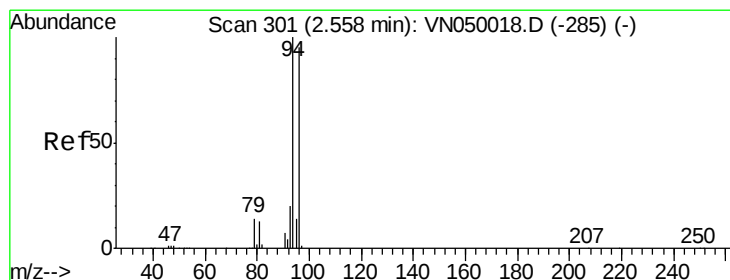
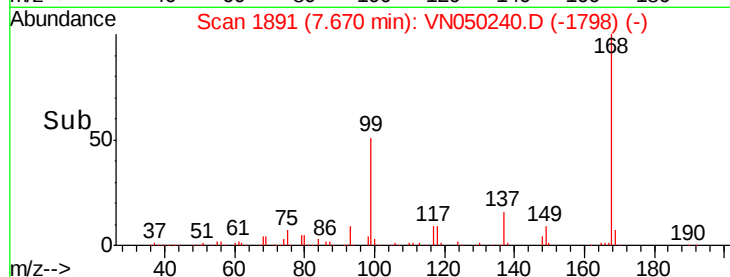
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050240.D

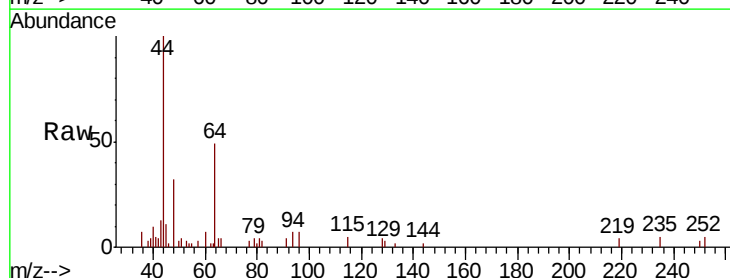
Acq: 1 Aug 2018 11:25

Tgt Ion: 94 Resp: 1255

Ion Ratio Lower Upper

94 100

96 101.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

600

500

400

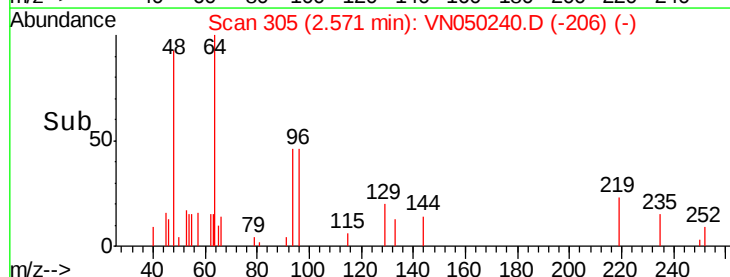
300

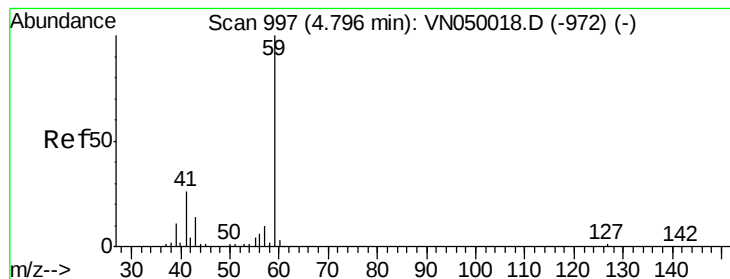
200

100

0

Time-->



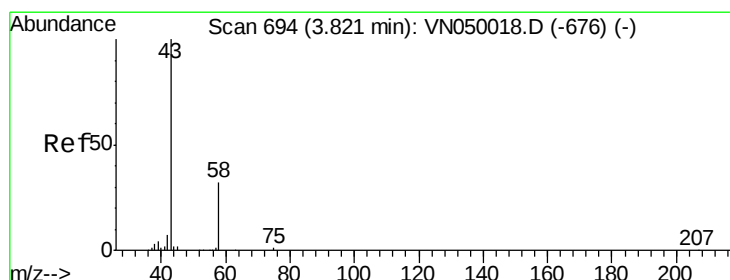
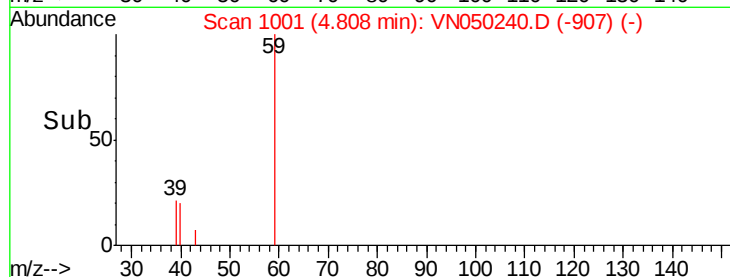
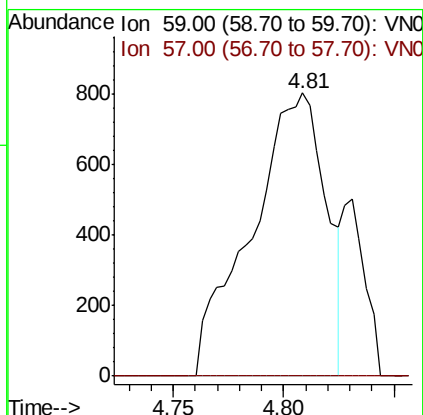
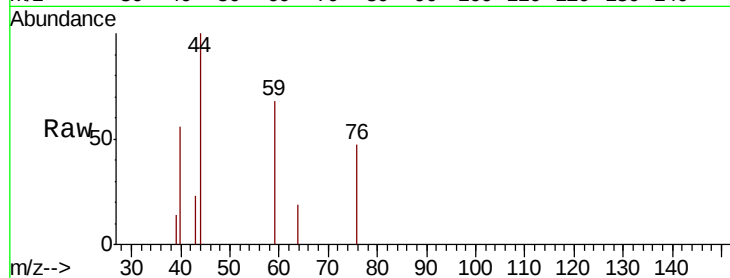


#11

Tert butyl alcohol
 Concen: 2.64 ug/l
 RT: 4.81 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN050240.D
 Acq: 1 Aug 2018 11:25

Instrument :
 MSVOA_N
 ClientSampled :
 MW-17

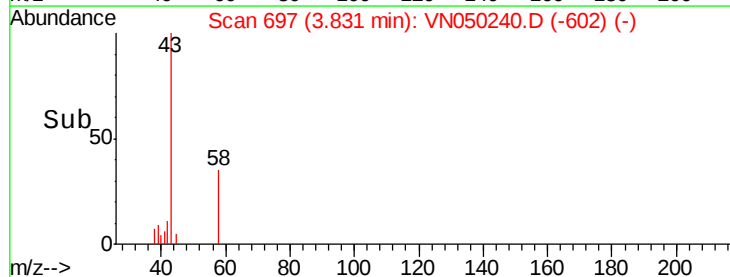
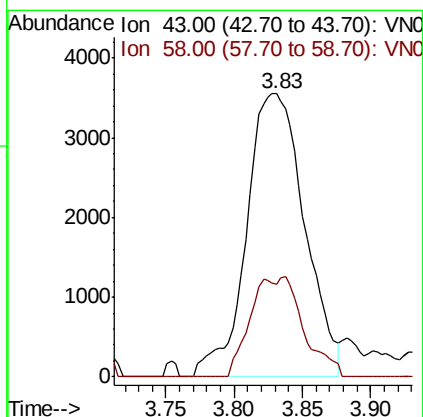
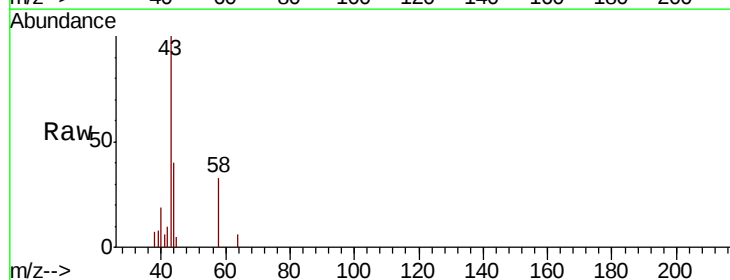
Tot Ion: 59 Resp: 1881
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

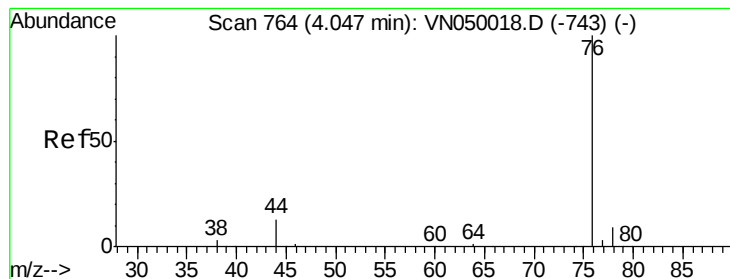


#16

Acetone
 Concen: 0.26 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN050240.D
 Acq: 1 Aug 2018 11:25

Tgt Ion: 43 Resp: 10501
 Ion Ratio Lower Upper
 43 100
 58 32.5 25.8 38.8





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

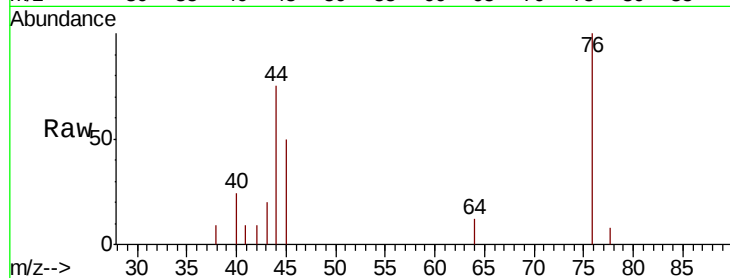
MW-17

Tot Ion: 76 Resp: 5540

Ion Ratio Lower Upper

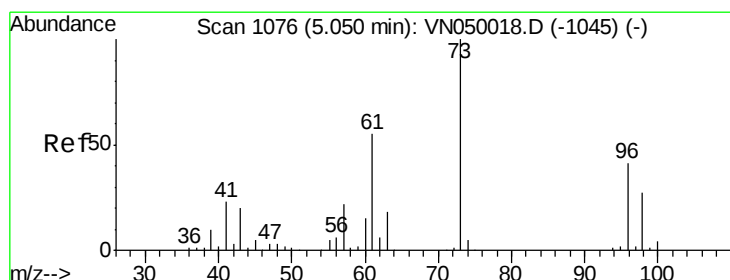
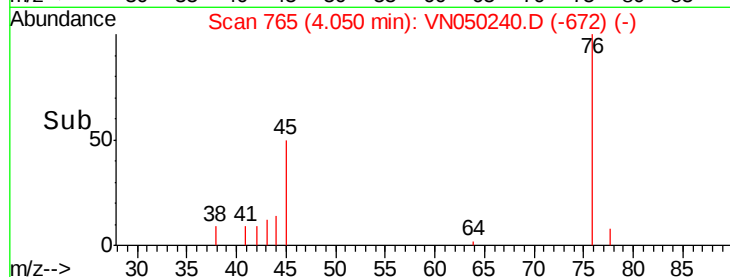
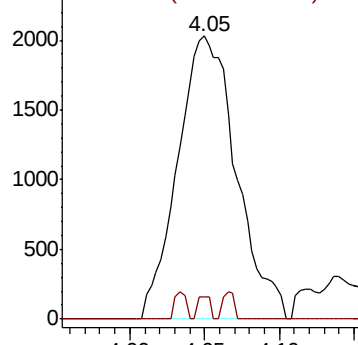
76 100

78 8.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#19

Methyl tert-butyl Ether

Concen: 0.27 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050240.D

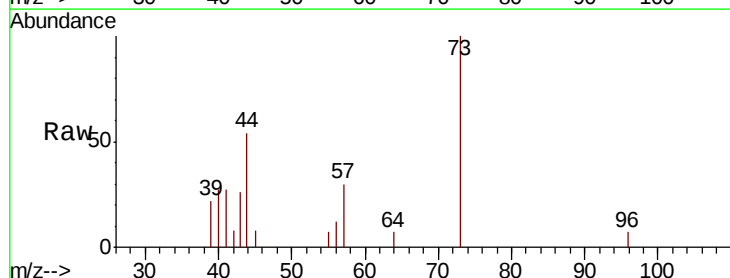
Acq: 1 Aug 2018 11:25

Tgt Ion: 73 Resp: 5699

Ion Ratio Lower Upper

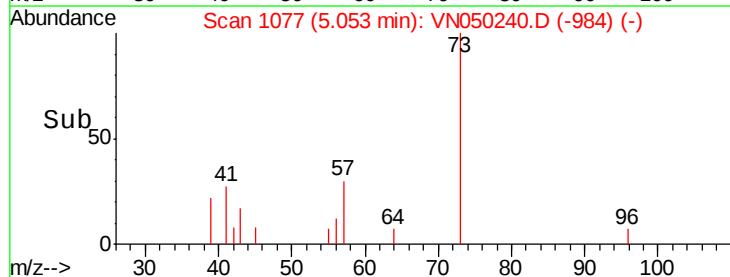
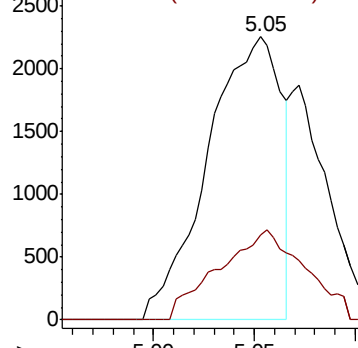
73 100

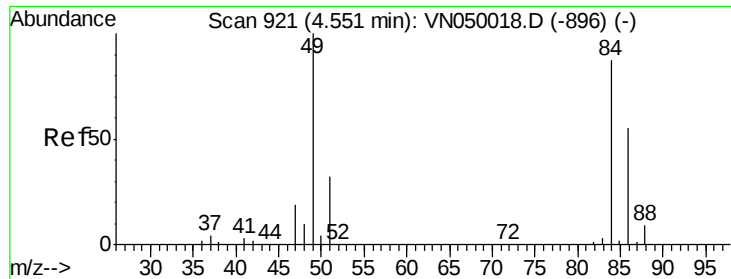
57 30.0 18.0 27.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

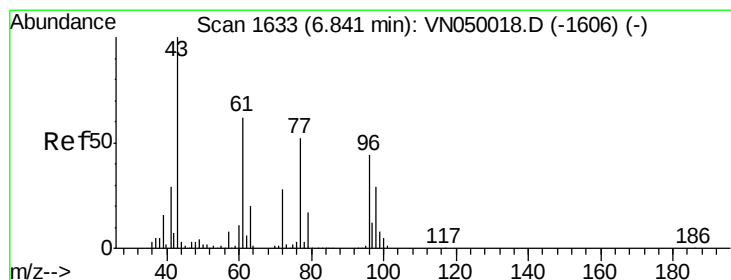
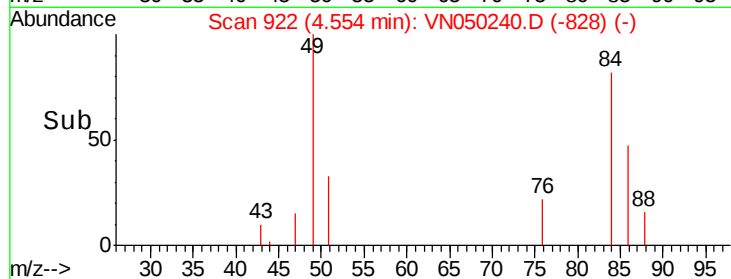
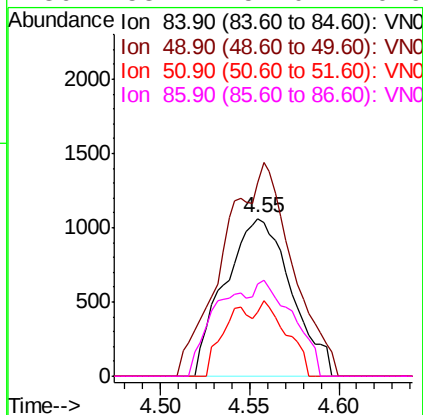
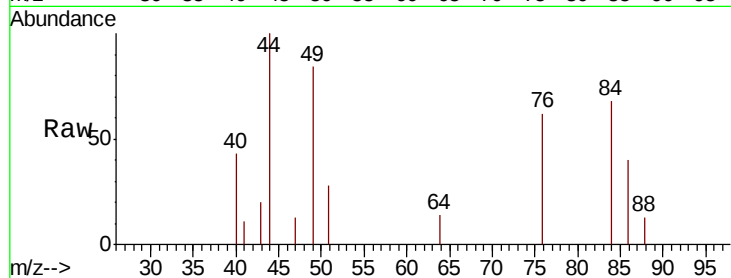




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

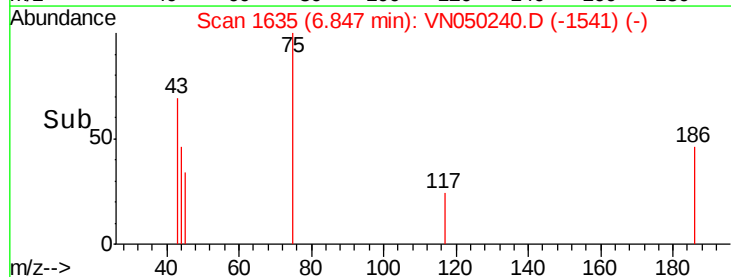
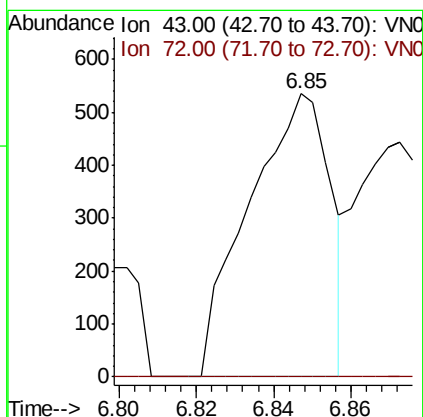
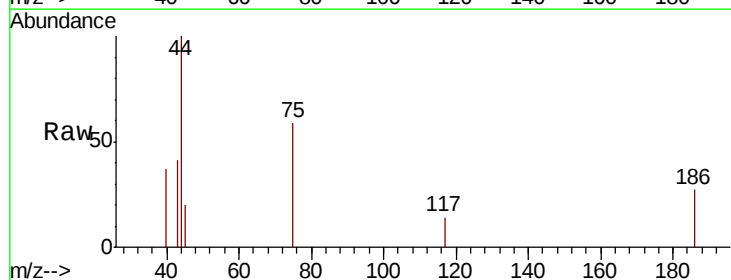
Instrument :
MSVOA_N
ClientSampled :
MW-17

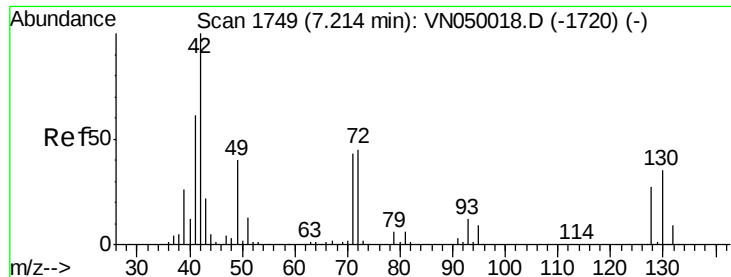
Tot Ion: 84 Resp: 2761
Ion Ratio Lower Upper
84 100
49 122.6 94.8 142.2
51 40.8 28.3 42.5
86 58.1 51.0 76.6



#25
2-Butanone
Concen: 0.21 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

MW-17

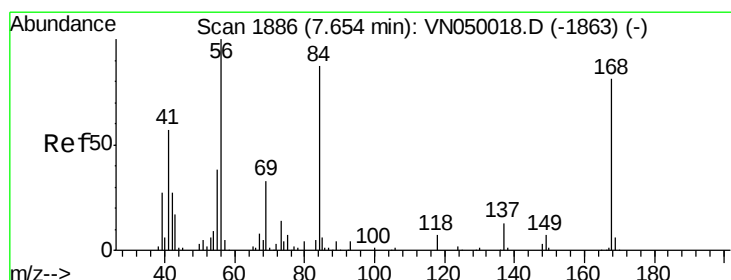
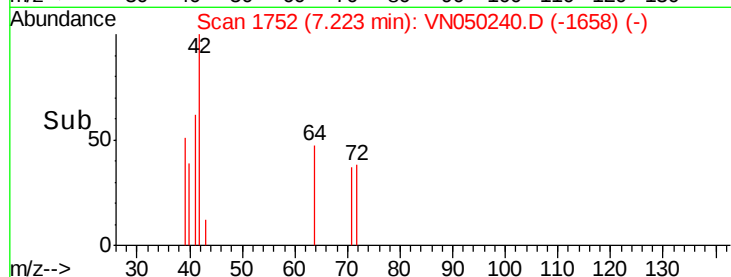
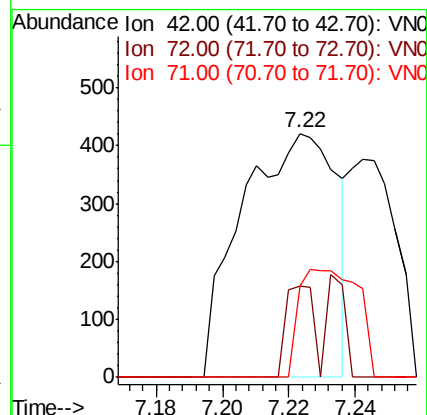
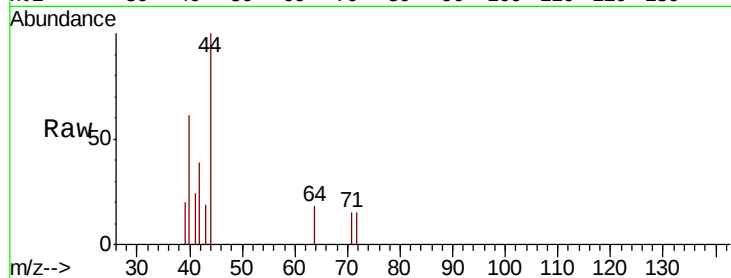
Tot Ion: 42 Resp: 838

Ion Ratio Lower Upper

42 100

72 10.6 35.9 53.9#

71 27.6 33.7 50.5#



#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

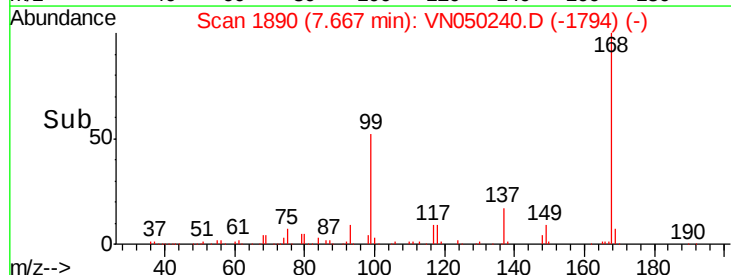
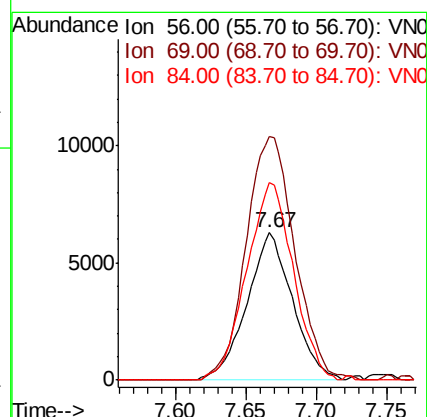
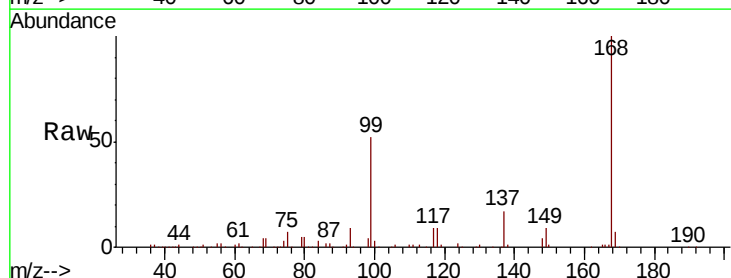
Tgt Ion: 56 Resp: 14234

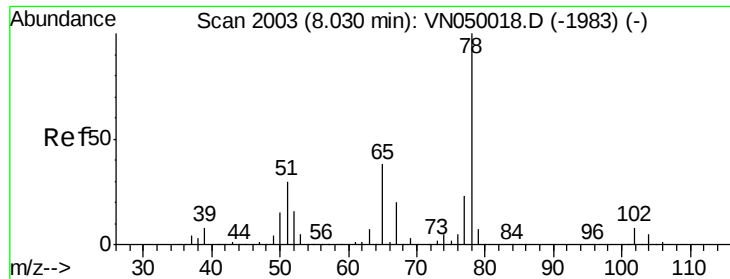
Ion Ratio Lower Upper

56 100

69 165.4 26.2 39.4#

84 133.8 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 50.08 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

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ClientSampleId :

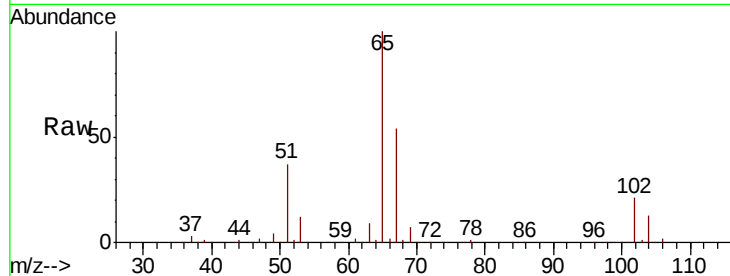
MW-17

Tot Ion: 65 Resp: 485768

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

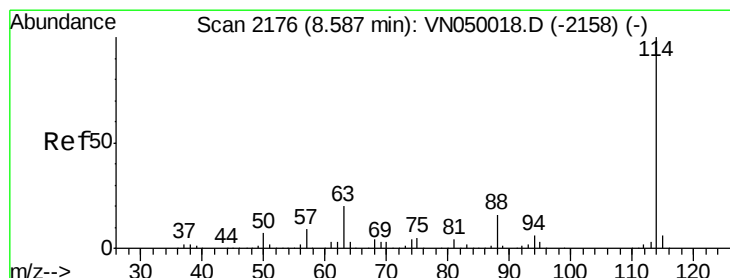
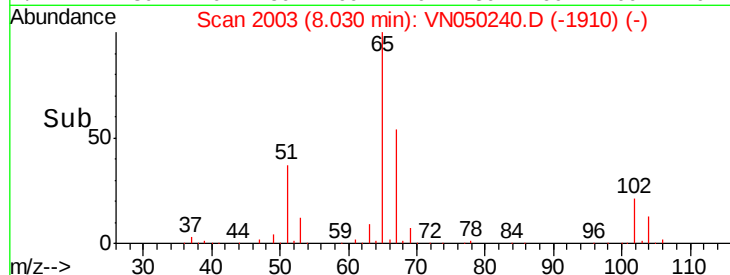
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

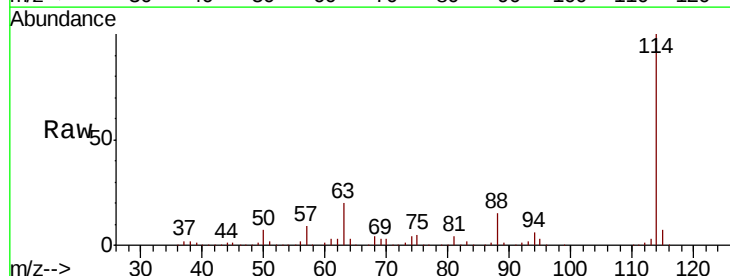
Tgt Ion:114 Resp: 1130706

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

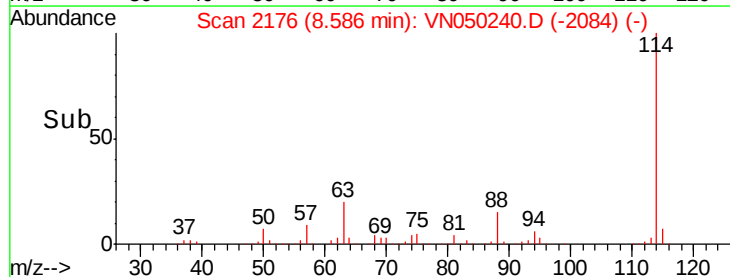
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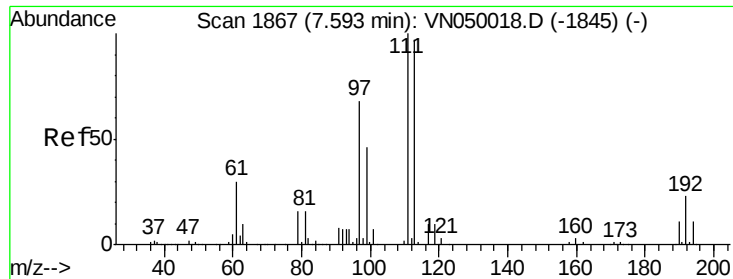
400000

200000

0

Time-->

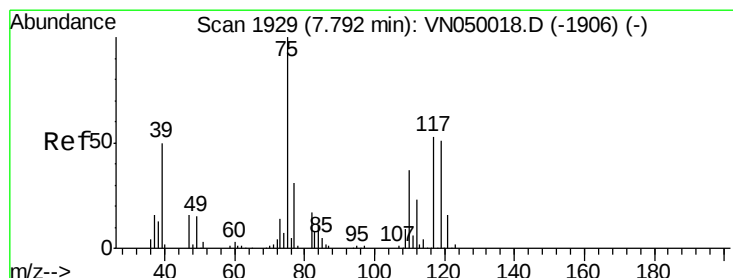
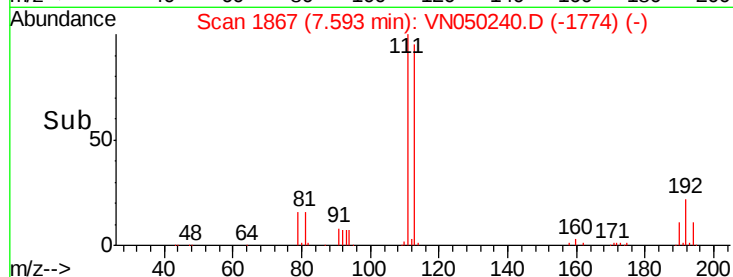
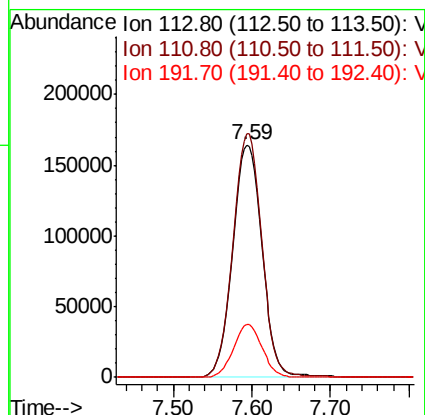
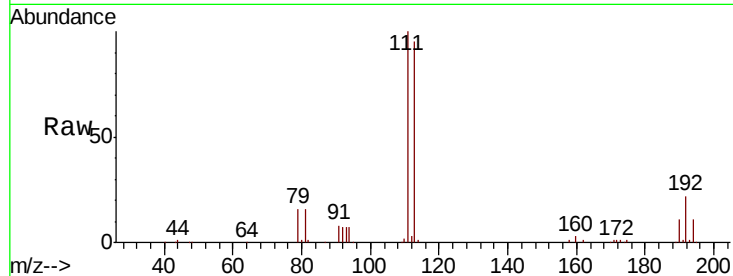




#35
 Dibromofluoromethane
 Concen: 46.39 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050240.D
 Acq: 1 Aug 2018 11:25

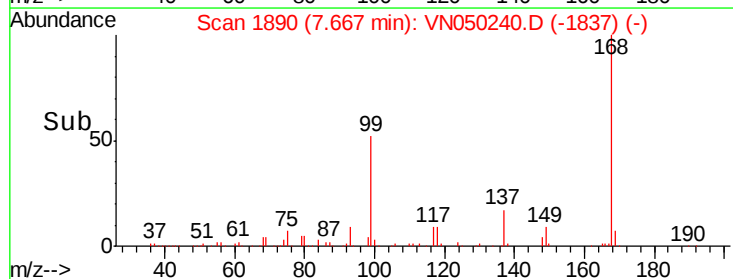
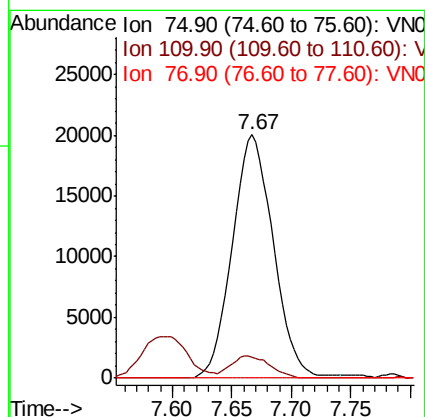
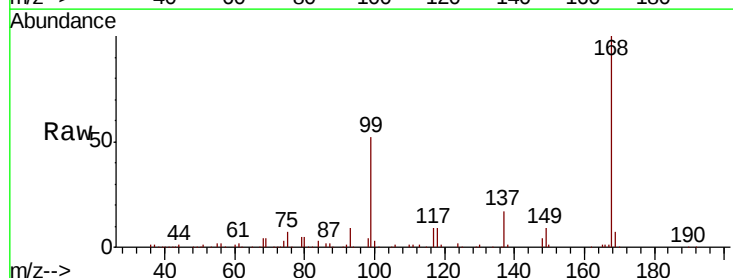
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17

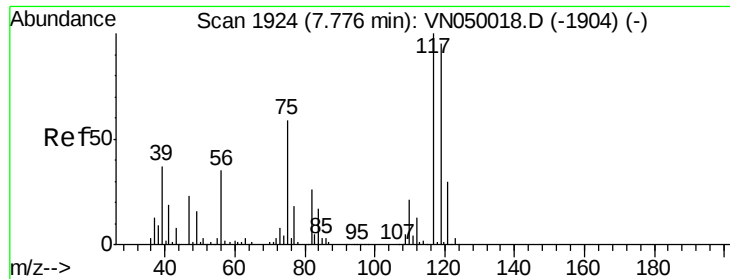
Tot Ion:113 Resp: 428312
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050240.D
 Acq: 1 Aug 2018 11:25

Tgt Ion: 75 Resp: 47971
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.4 55.2#
 77 0.0 25.3 37.9#

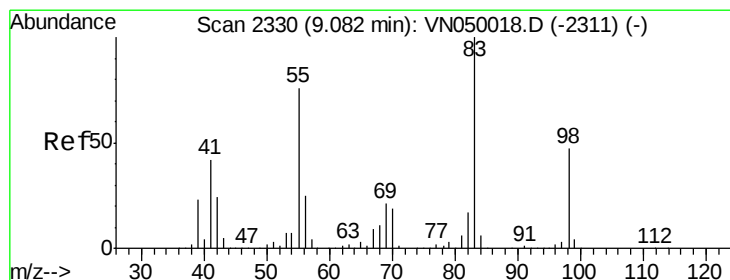
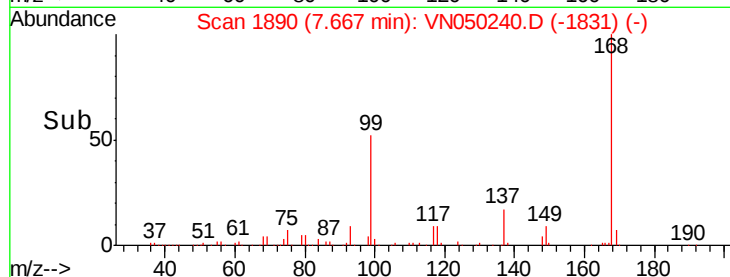
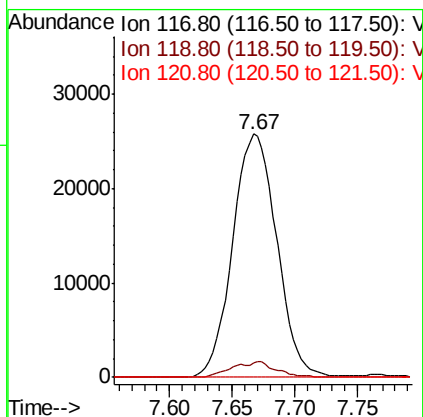
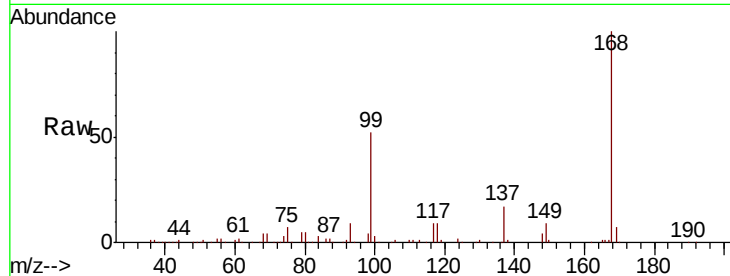




#38
Carbon Tetrachloride
Concen: 4.66 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

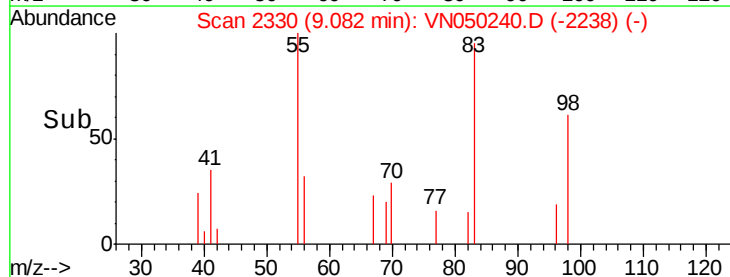
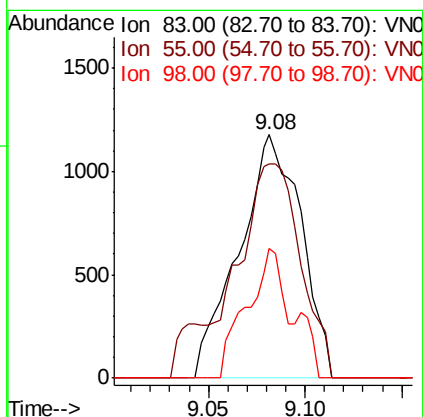
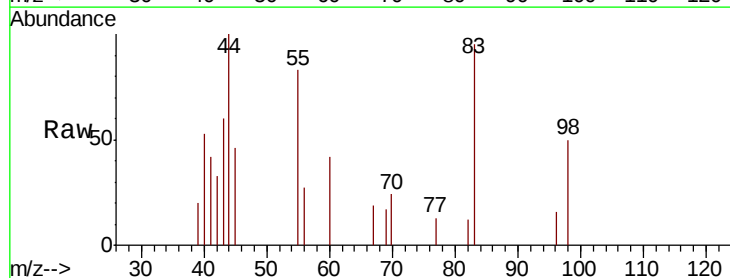
Instrument :
MSVOA_N
ClientSampled :
MW-17

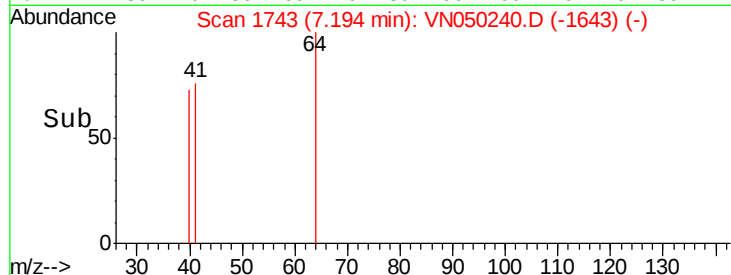
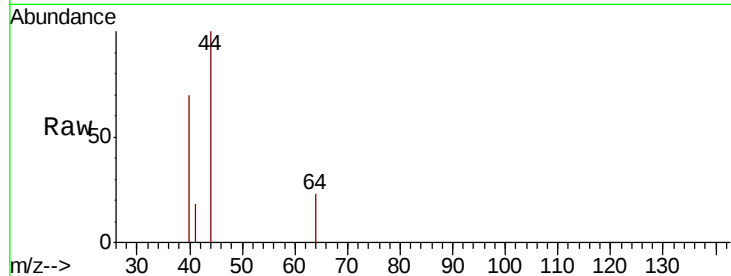
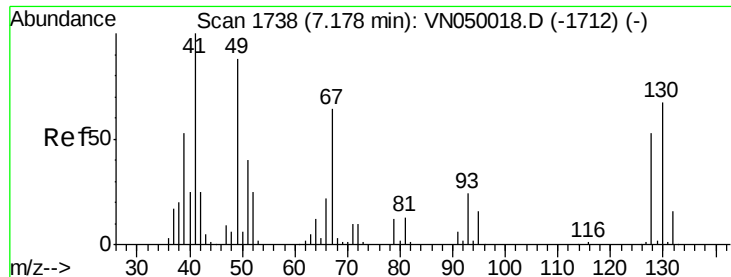
Tot Ion:117 Resp: 62998
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 0.20 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Tgt Ion: 83 Resp: 2633
Ion Ratio Lower Upper
83 100
55 87.9 61.8 92.8
98 53.2 36.5 54.7

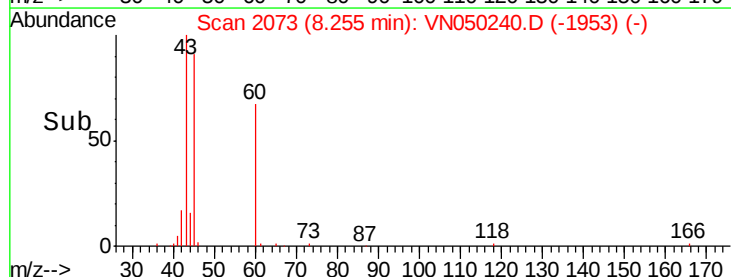
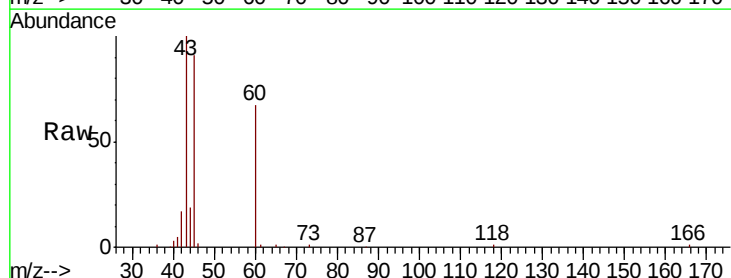
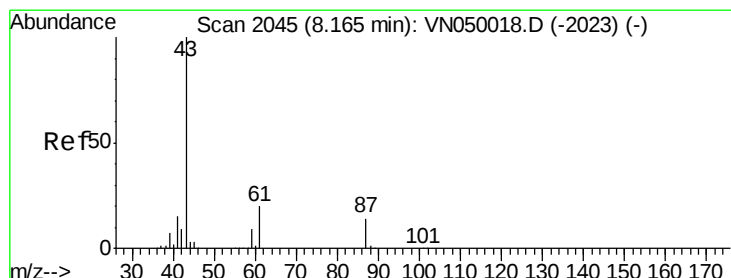
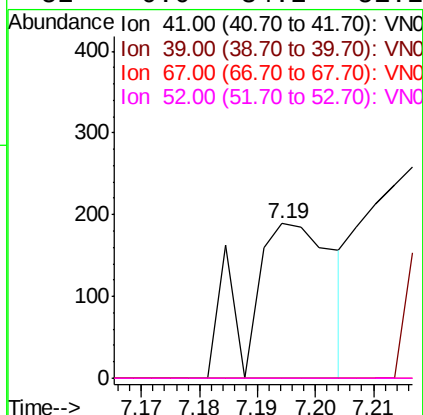




#41
Methacrylonitrile
Concen: 2.79 ug/l
RT: 7.19 min Scan# 1743
Delta R.T. 0.02 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

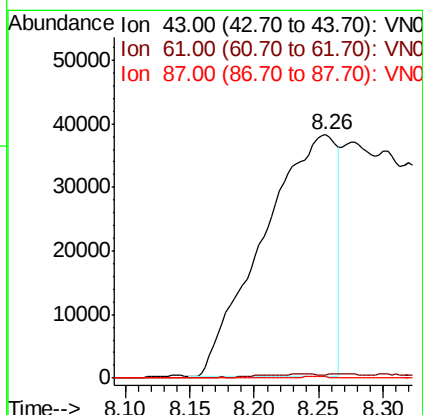
Instrument :
MSVOA_N
ClientSampleId :
MW-17

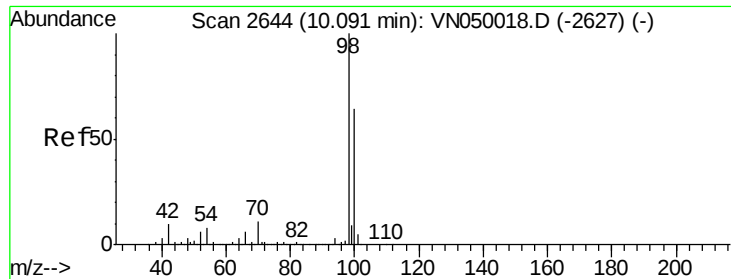
Tot Ion: 41 Resp: 195
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 8.02 ug/l
RT: 8.26 min Scan# 2073
Delta R.T. 0.09 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Tgt Ion: 43 Resp: 150221
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.2 10.3 15.5#

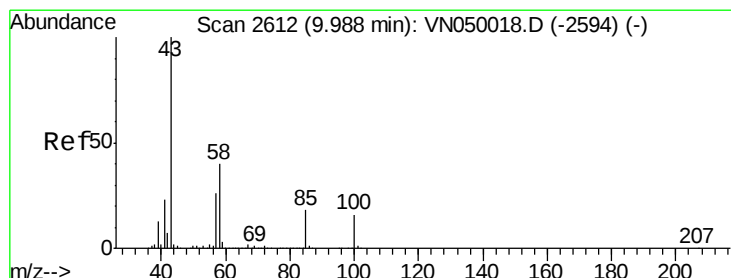
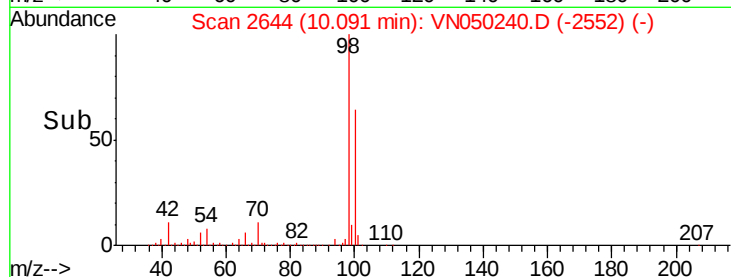
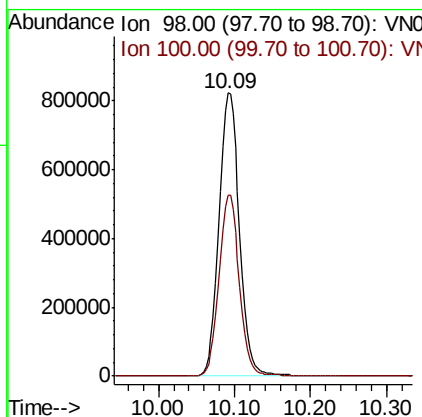
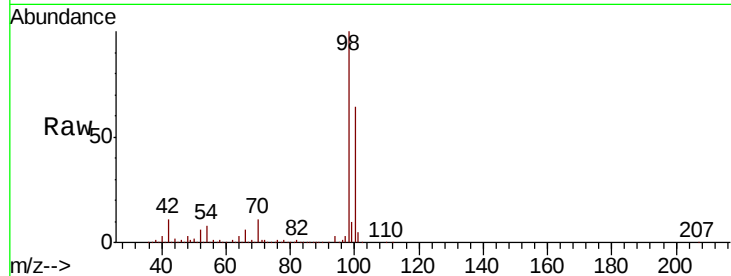




#50
Toluene-d8
Concen: 45.27 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

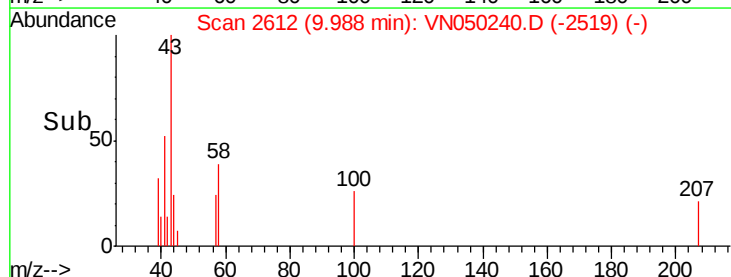
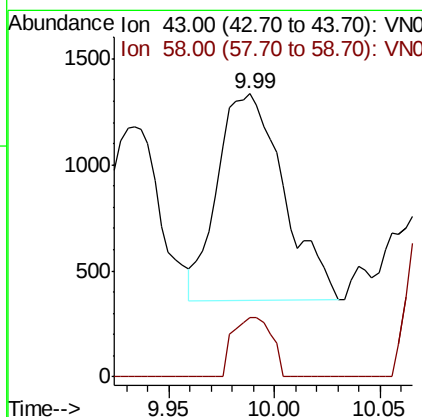
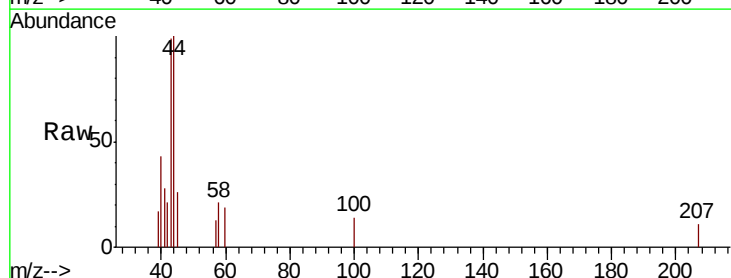
Instrument :
MSVOA_N
ClientSampleId :
MW-17

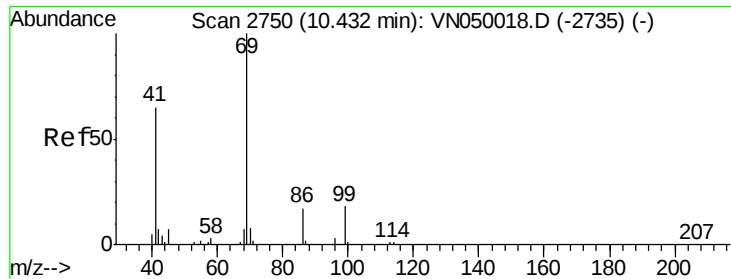
Tot Ion: 98 Resp: 1536533
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Tgt Ion: 43 Resp: 2135
Ion Ratio Lower Upper
43 100
58 0.0 31.9 47.9#





#56

Ethyl methacrylate

Concen: 2.10 ug/l

RT: 10.44 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

MW-17

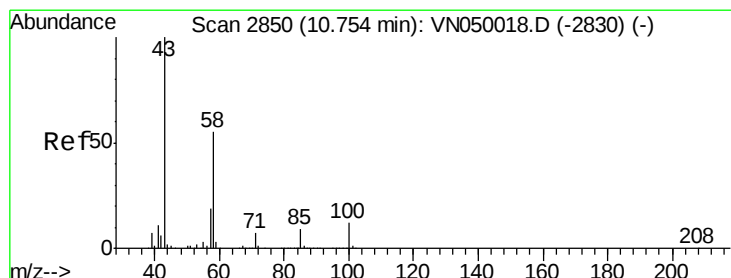
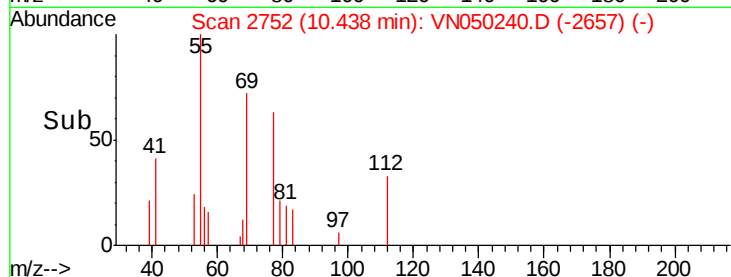
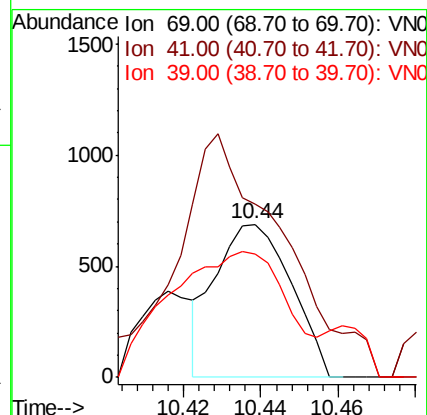
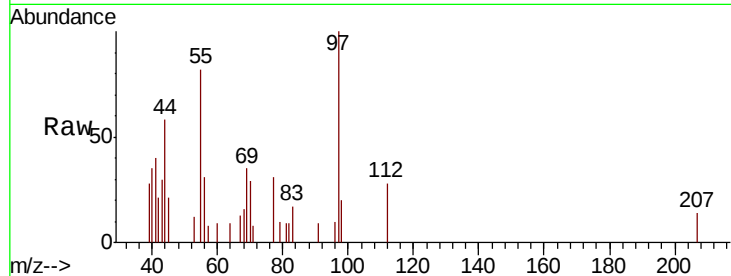
Tot Ion: 69 Resp: 935

Ion Ratio Lower Upper

69 100

41 228.6 51.0 76.4#

39 128.0 26.6 40.0#



#59

2-Hexanone

Concen: 5.51 ug/l

RT: 10.61 min Scan# 2804

Delta R.T. -0.15 min

Lab File: VN050240.D

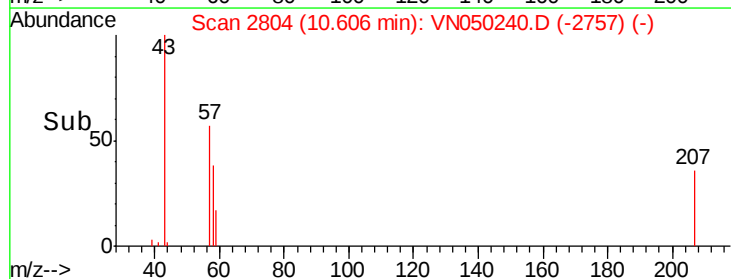
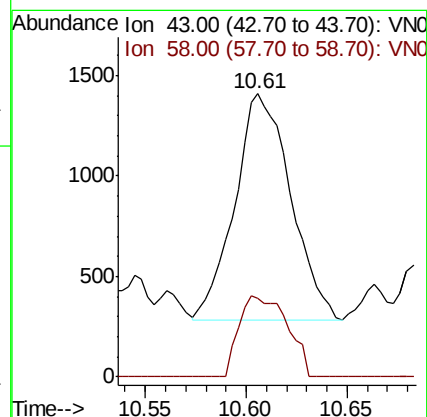
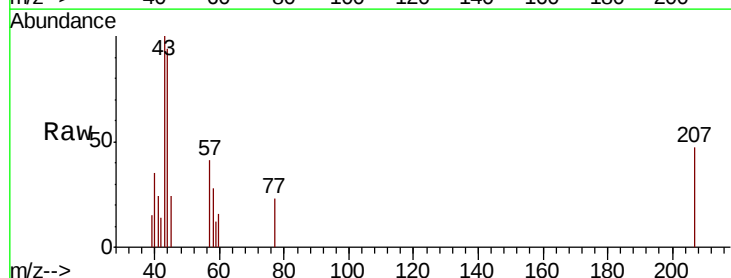
Acq: 1 Aug 2018 11:25

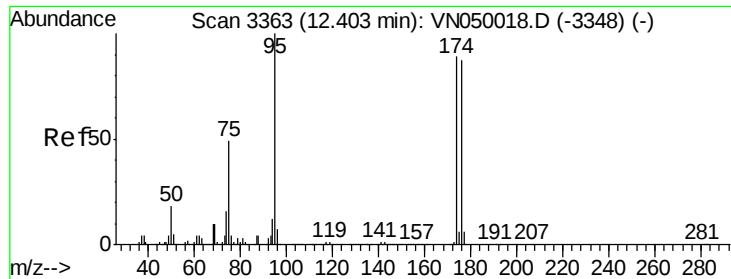
Tgt Ion: 43 Resp: 2179

Ion Ratio Lower Upper

43 100

58 31.2 27.6 82.7

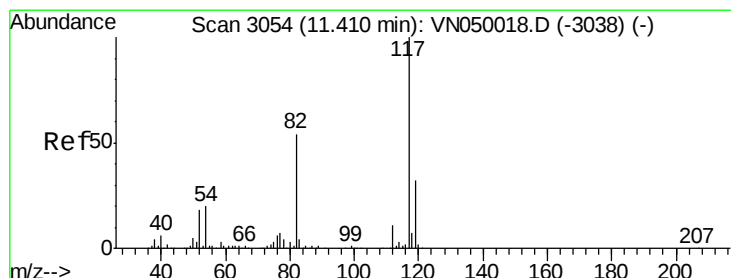
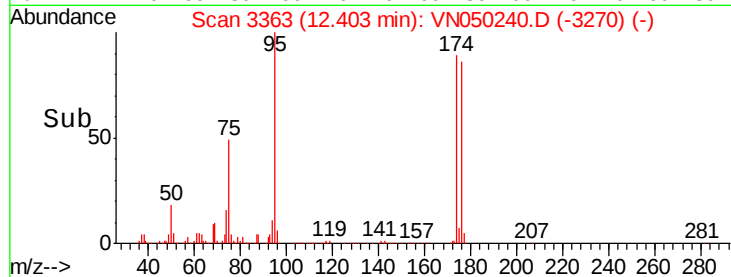
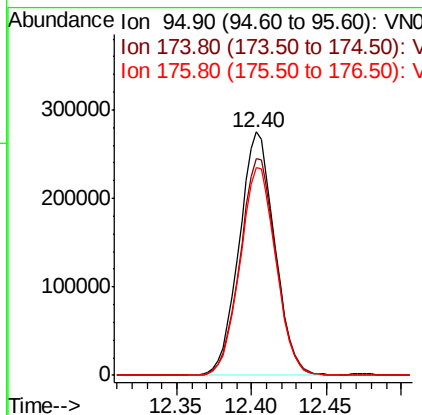
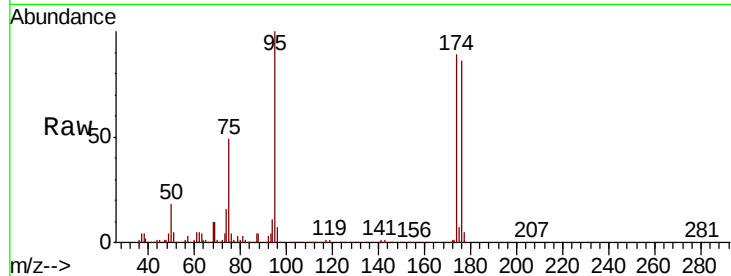




#62
4-Bromofluorobenzene
Concen: 40.46 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

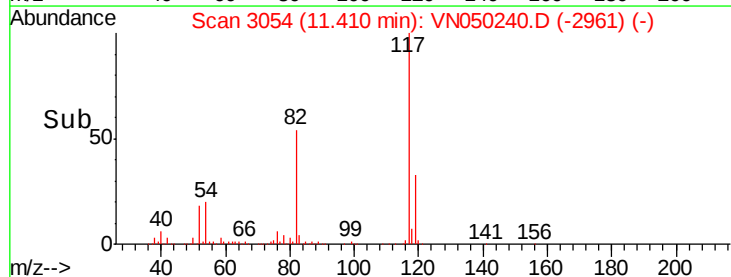
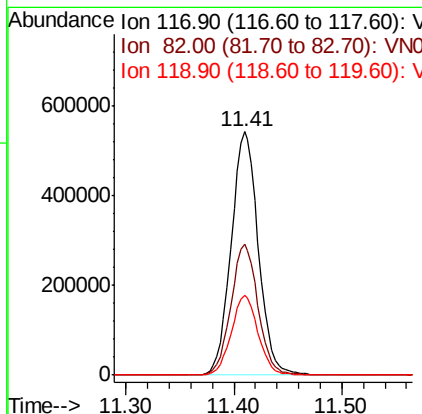
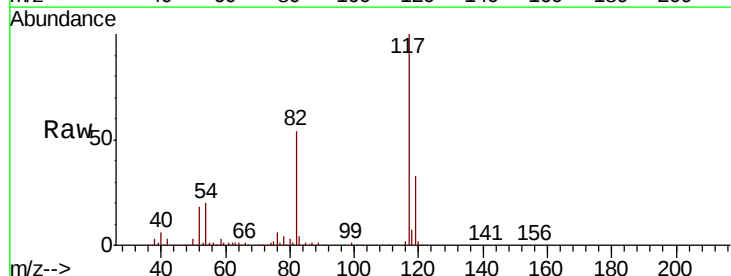
Instrument :
MSVOA_N
ClientSampleId :
MW-17

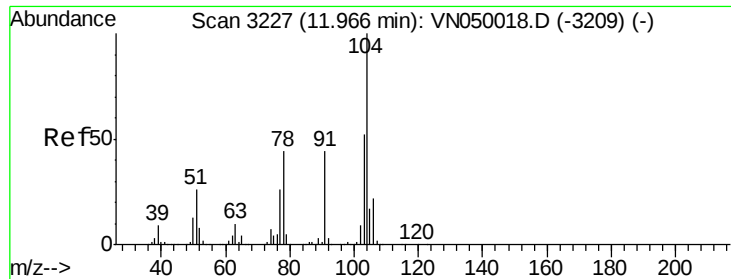
Tot Ion: 95 Resp: 452137
Ion Ratio Lower Upper
95 100
174 90.8 0.0 178.2
176 86.8 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Tgt Ion: 117 Resp: 949306
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.9 26.1 39.1

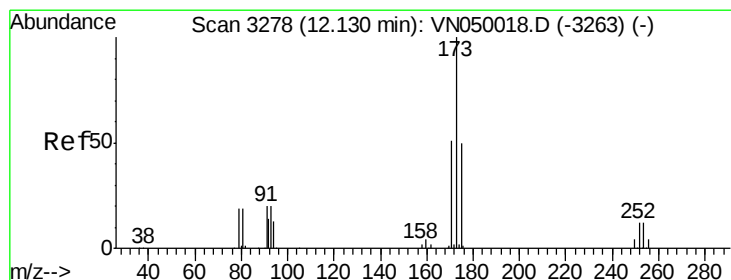
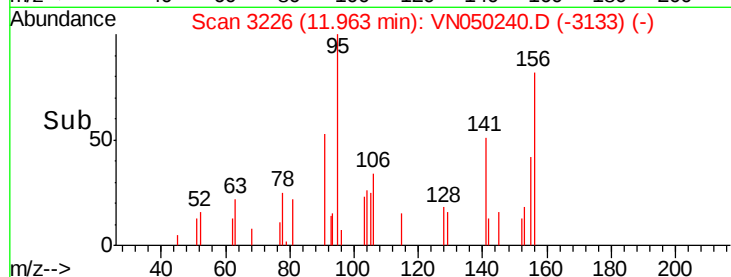
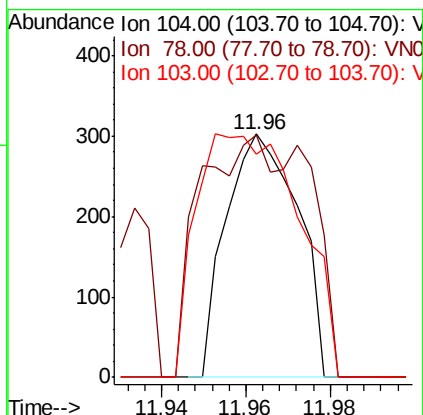
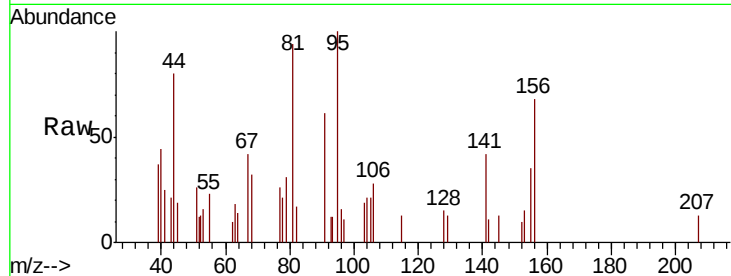




#70
Stvrene
Concen: 0.94 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

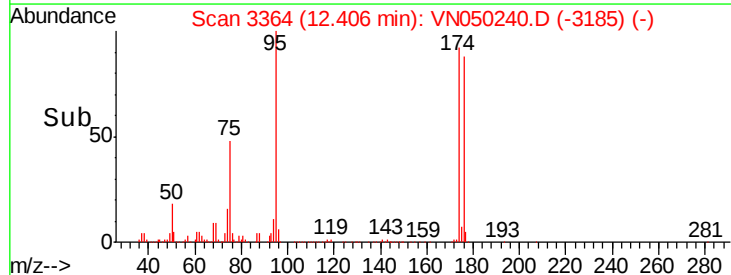
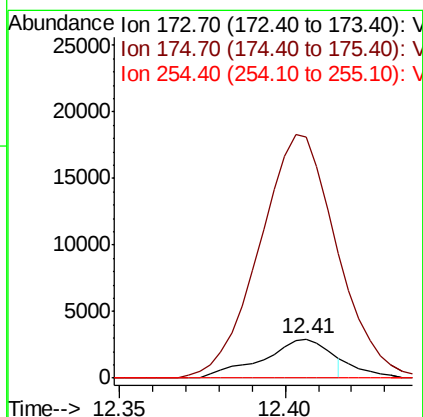
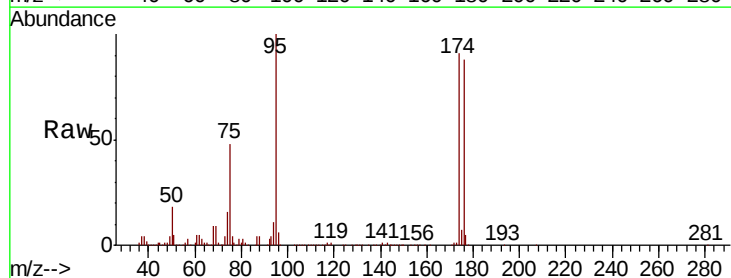
Instrument :
MSVOA_N
ClientSampled :
MW-17

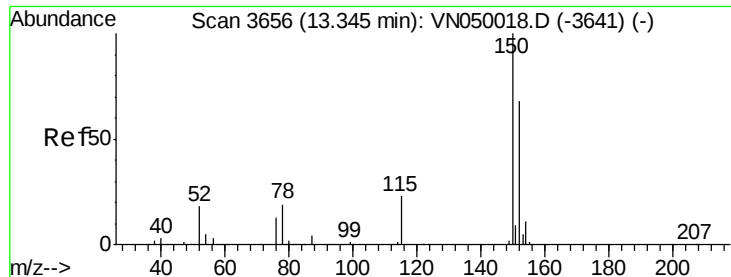
Tot Ion:104 Resp: 356
Ion Ratio Lower Upper
104 100
78 152.2 39.3 58.9#
103 144.4 45.0 67.6#



#71
Bromoform
Concen: 0.61 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Tgt Ion:173 Resp: 4111
Ion Ratio Lower Upper
173 100
175 642.5 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: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

MW-17

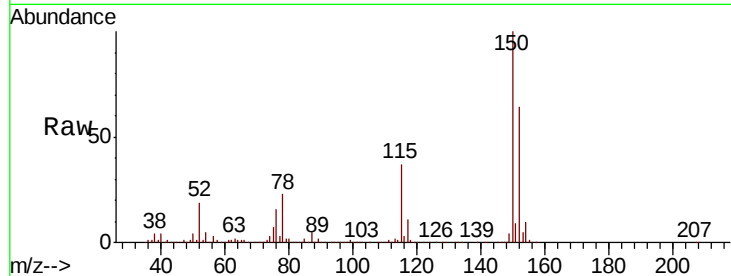
Tot Ion:152 Resp: 390084

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

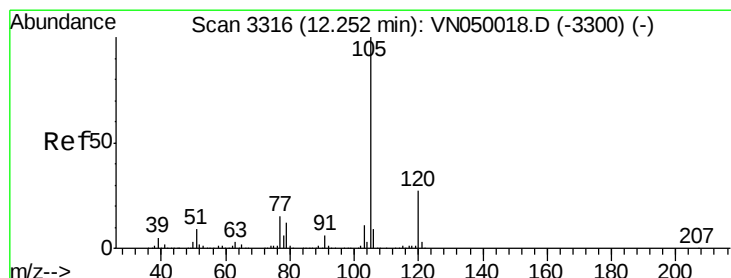
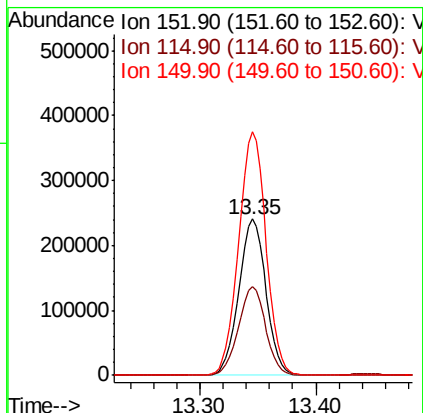
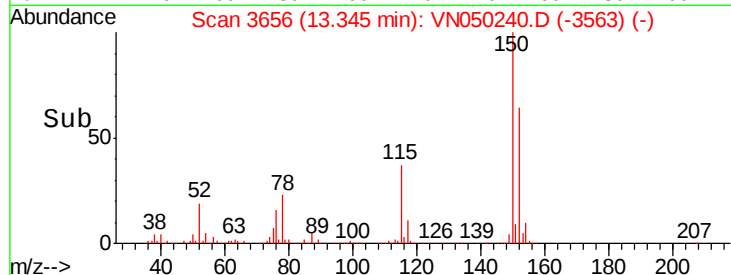
150 157.0 0.0 348.6



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: 1.10 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050240.D

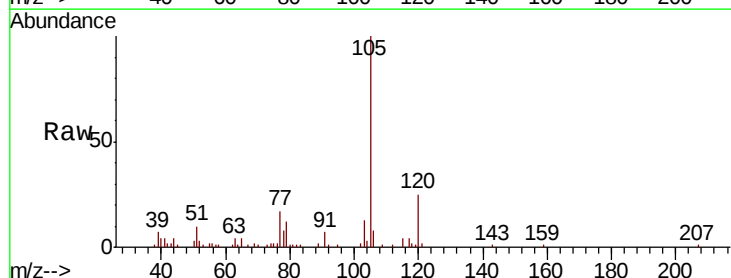
Acq: 1 Aug 2018 11:25

Tgt Ion:105 Resp: 33369

Ion Ratio Lower Upper

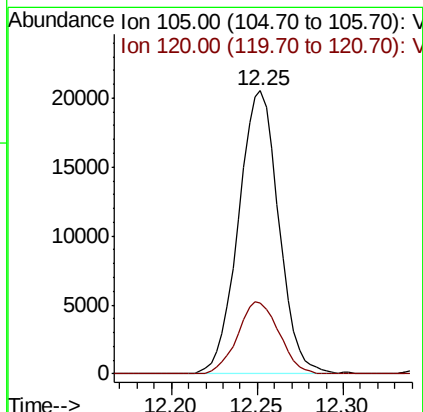
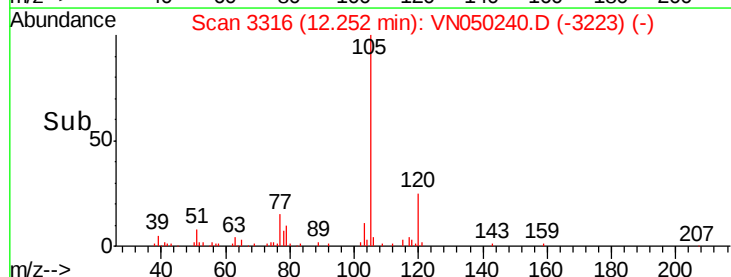
105 100

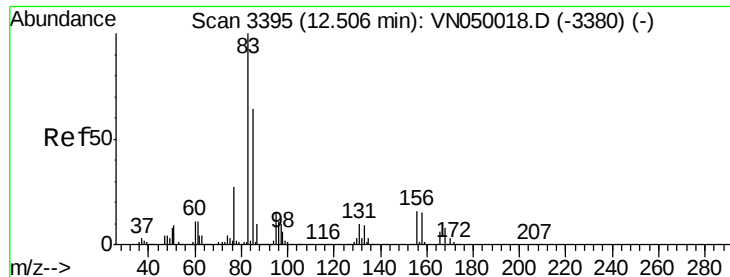
120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3390

Delta R.T. -0.02 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

MW-17

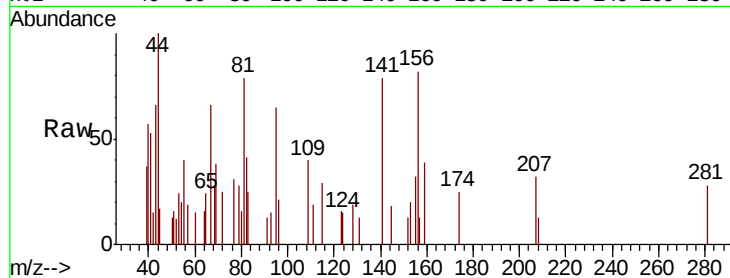
Tot Ion: 83 Resp: 266

Ion Ratio Lower Upper

83 100

131 35.7 5.1 15.3#

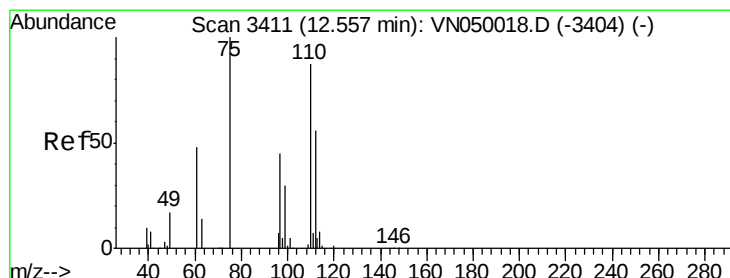
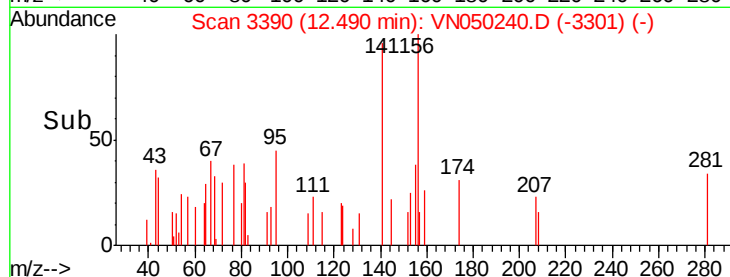
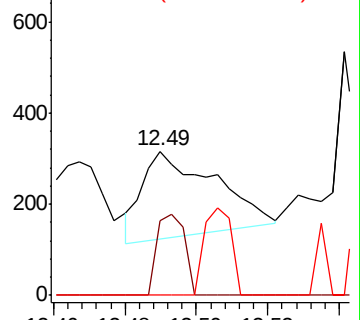
85 38.0 32.3 96.8



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: 30.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050240.D

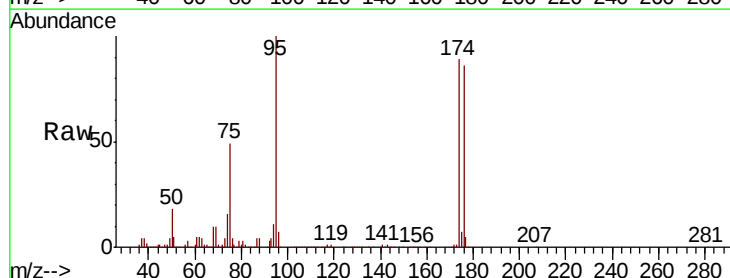
Acq: 1 Aug 2018 11:25

Tgt Ion: 75 Resp: 219524

Ion Ratio Lower Upper

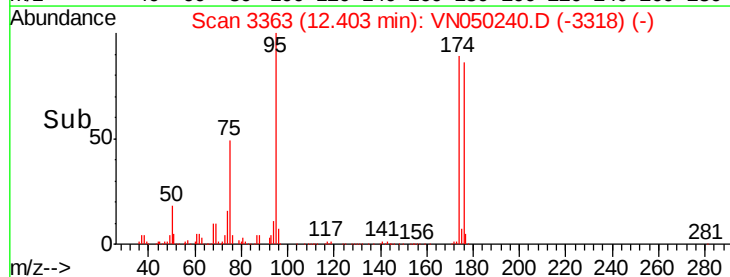
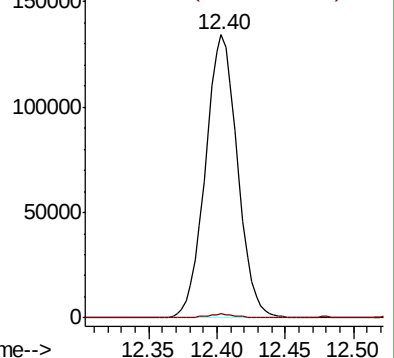
75 100

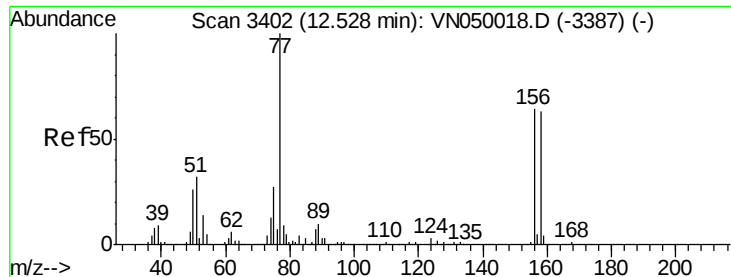
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 2.01 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.04 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

MW-17

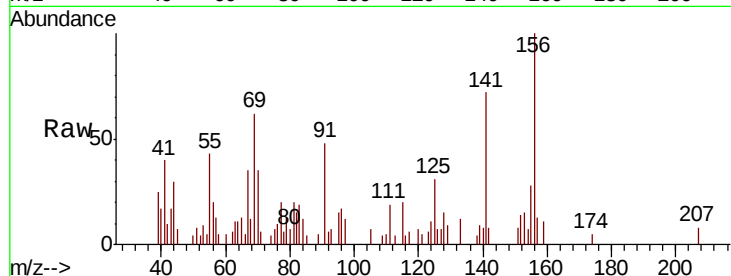
Tot Ion:156 Resp: 16870

Ion Ratio Lower Upper

156 100

77 0.0 91.7 275.1#

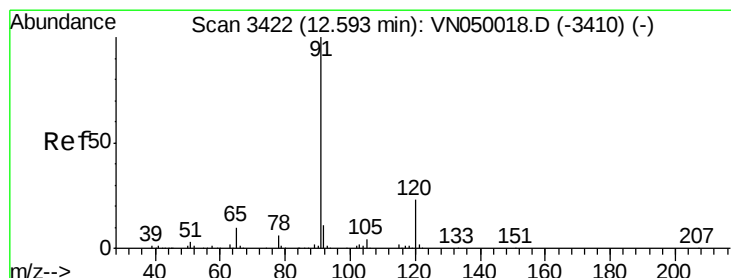
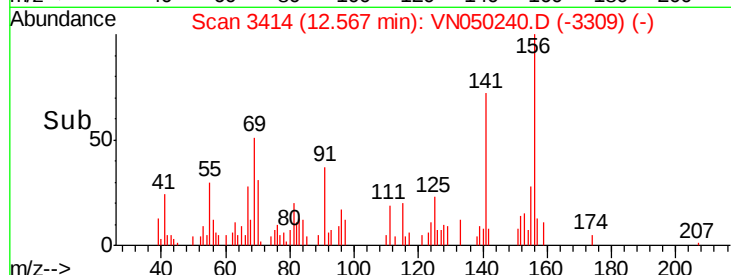
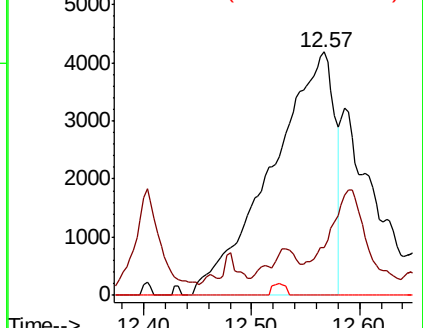
158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.57 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050240.D

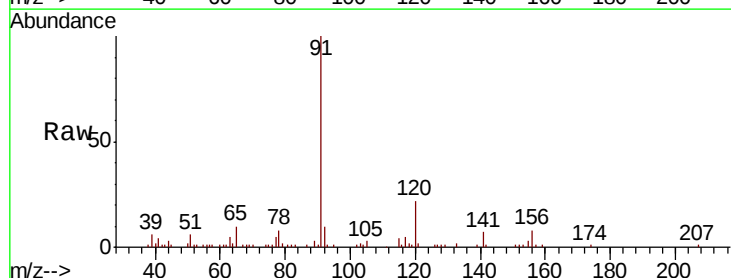
Acq: 1 Aug 2018 11:25

Tgt Ion: 91 Resp: 53094

Ion Ratio Lower Upper

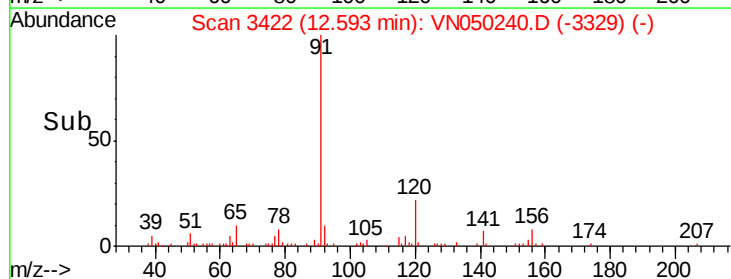
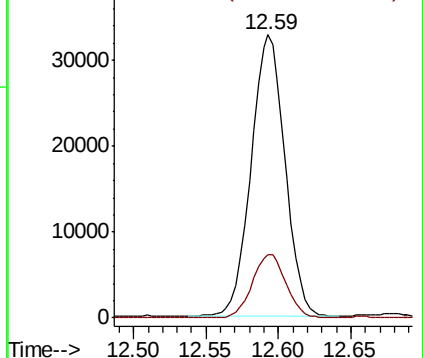
91 100

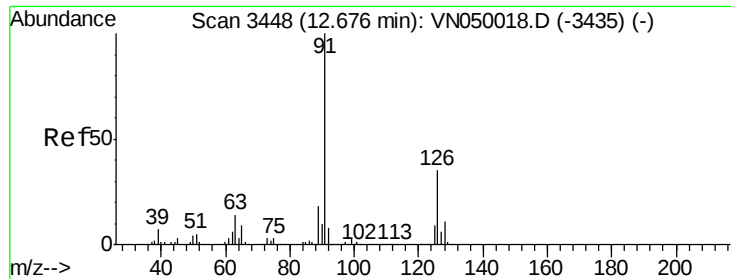
120 22.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.53 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

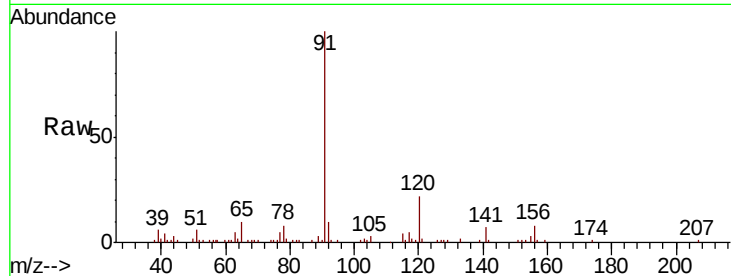
MW-17

Tot Ion: 91 Resp: 53094

Ion Ratio Lower Upper

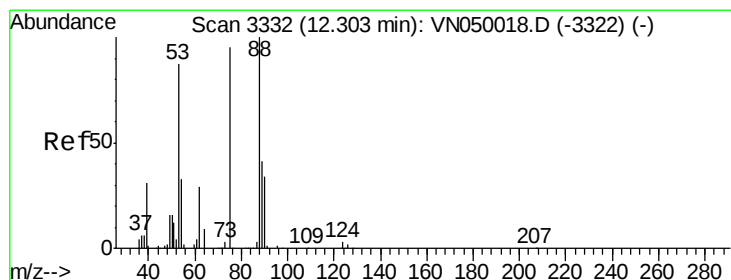
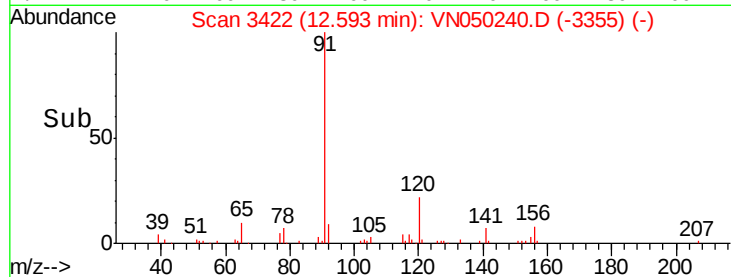
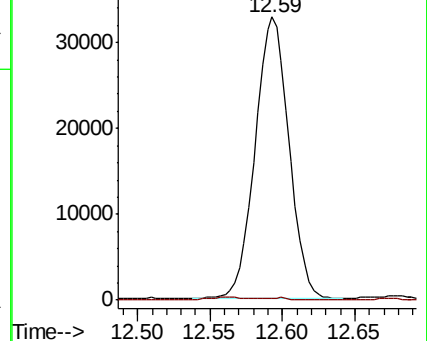
91 100

126 0.5 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 96.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

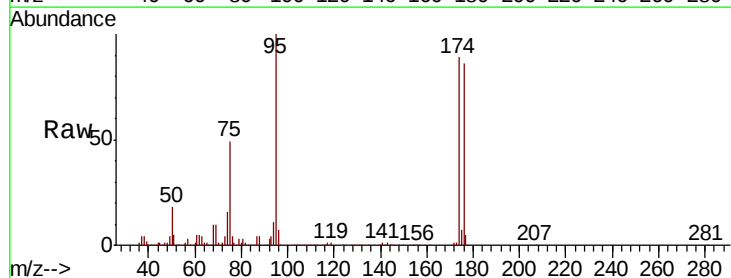
Tgt Ion: 75 Resp: 219524

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

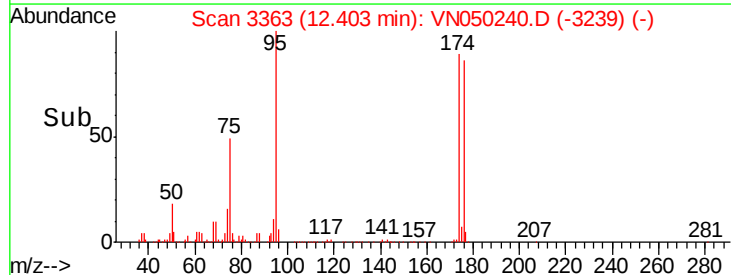
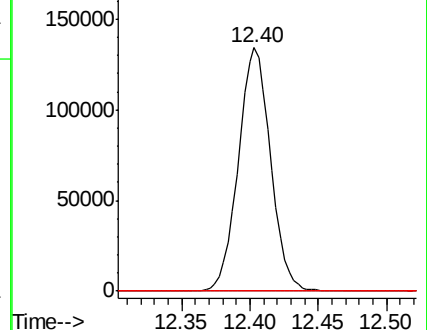
89 0.0 36.0 54.0#

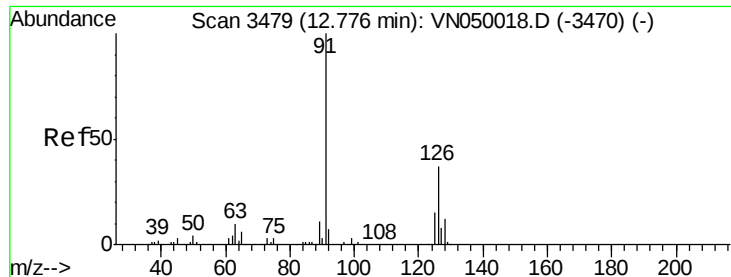


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#82

4-Chlorotoluene

Concen: 2.56 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

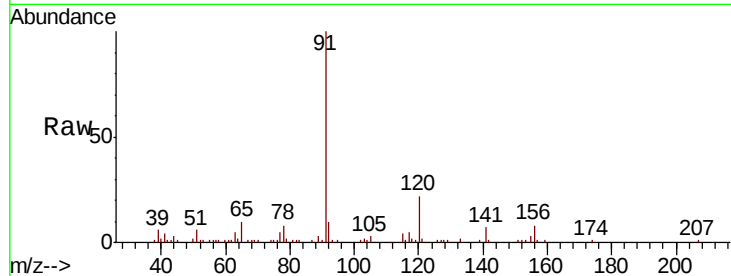
MW-17

Tot Ion: 91 Resp: 53094

Ion Ratio Lower Upper

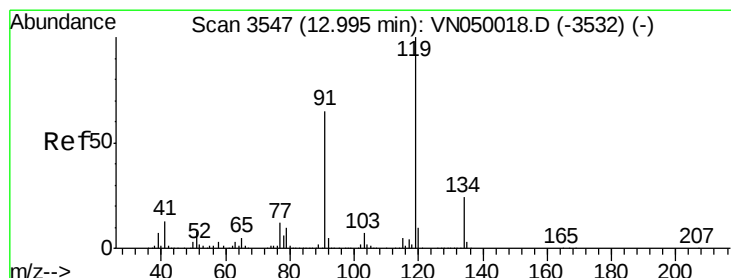
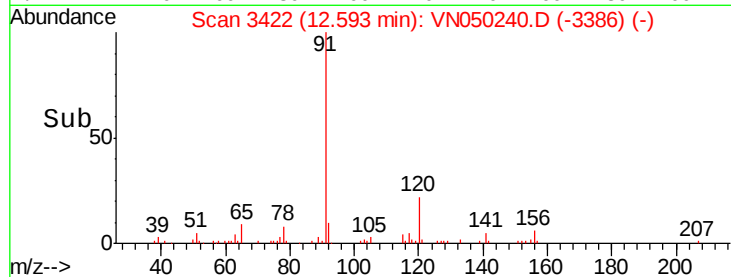
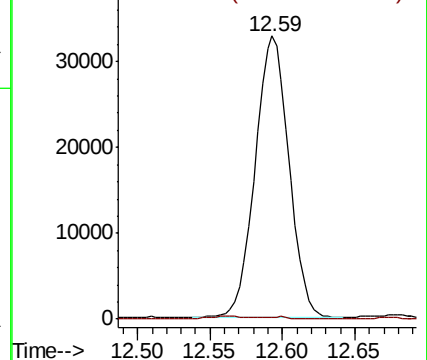
91 100

126 0.5 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: 0.43 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

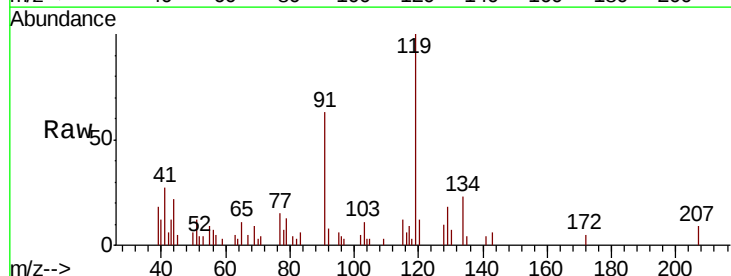
Tgt Ion: 119 Resp: 8923

Ion Ratio Lower Upper

119 100

91 63.6 32.1 96.3

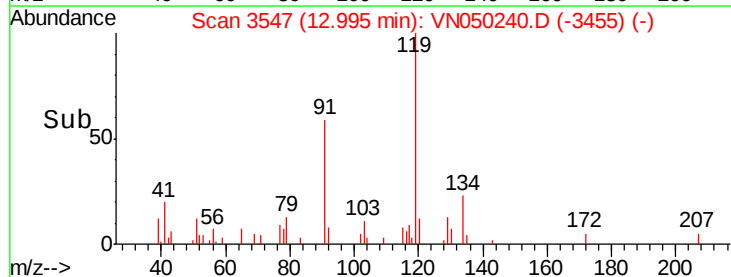
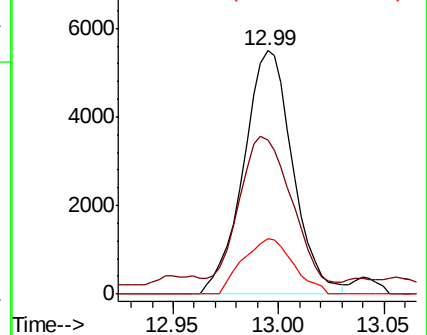
134 23.4 13.2 39.5

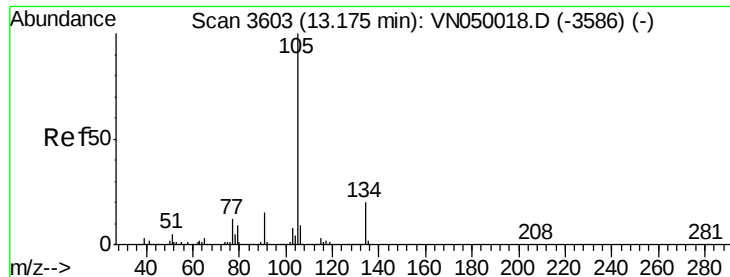


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 1.08 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

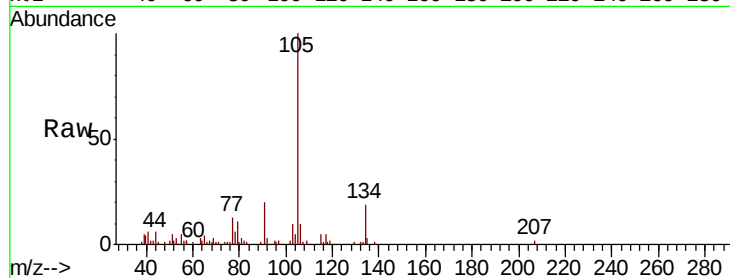
MW-17

Tot Ion:105 Resp: 29877

Ion Ratio Lower Upper

105 100

134 25.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

20000

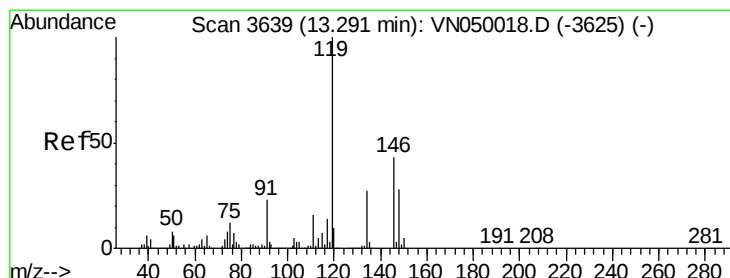
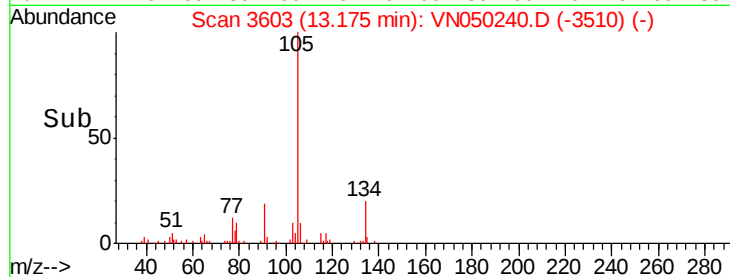
15000

10000

5000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 1.99 ug/l

RT: 13.44 min Scan# 3686

Delta R.T. 0.15 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

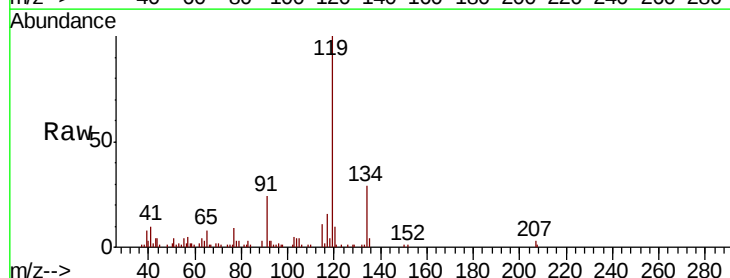
Tgt Ion:119 Resp: 46564

Ion Ratio Lower Upper

119 100

134 29.2 13.3 39.8

91 25.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.44

40000

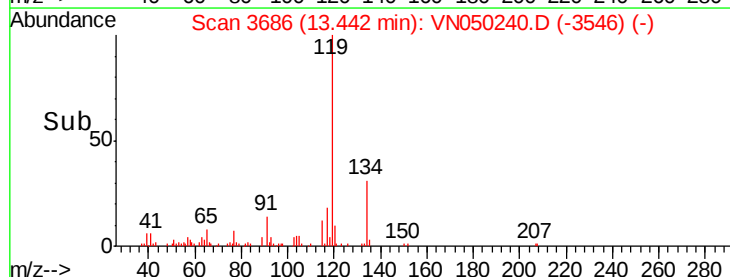
30000

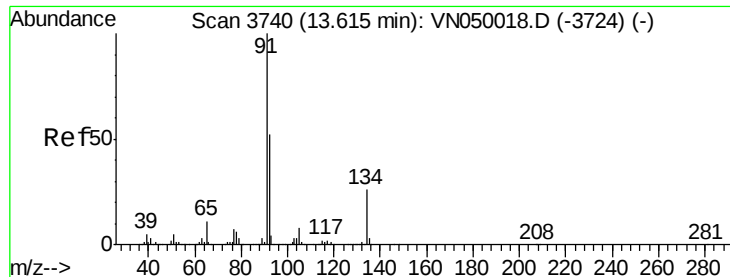
20000

10000

0

Time--> 13.40 13.45 13.50





#89

n-Butylbenzene

Concen: 0.62 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

MW-17

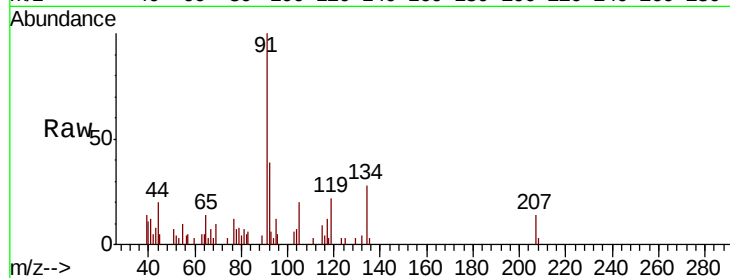
Tot Ion: 91 Resp: 11925

Ion Ratio Lower Upper

91 100

92 34.5 25.8 77.4

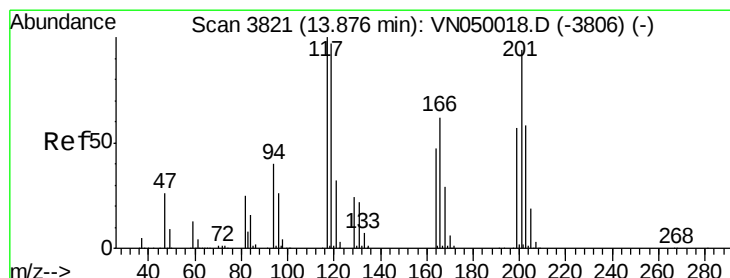
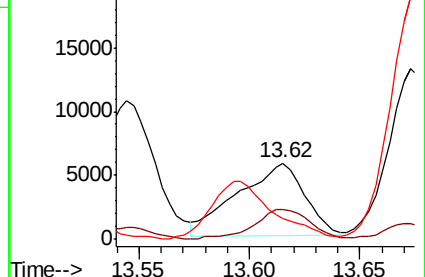
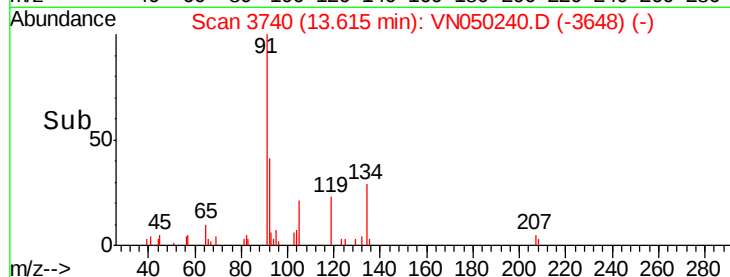
134 74.4 12.8 38.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 3.63 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050240.D

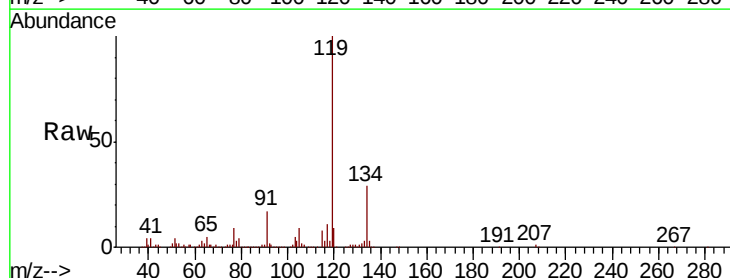
Acq: 1 Aug 2018 11:25

Tgt Ion: 117 Resp: 18851

Ion Ratio Lower Upper

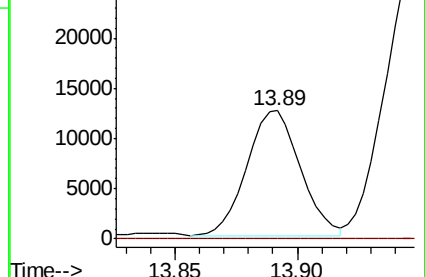
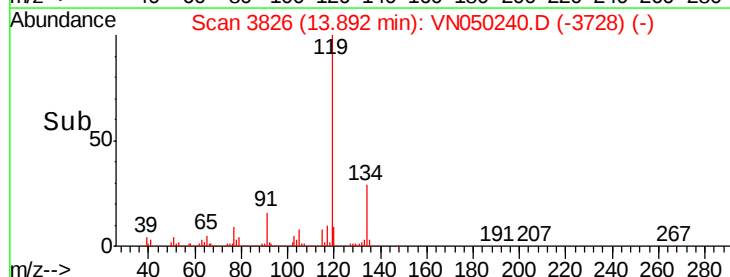
117 100

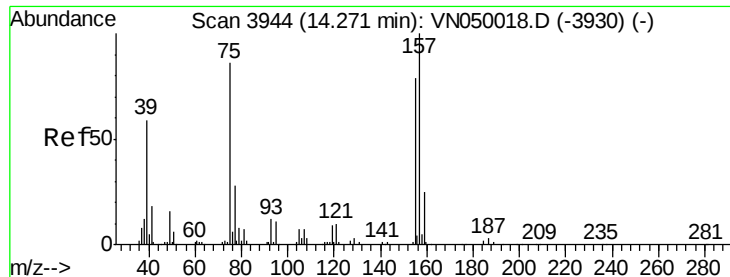
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

MW-17

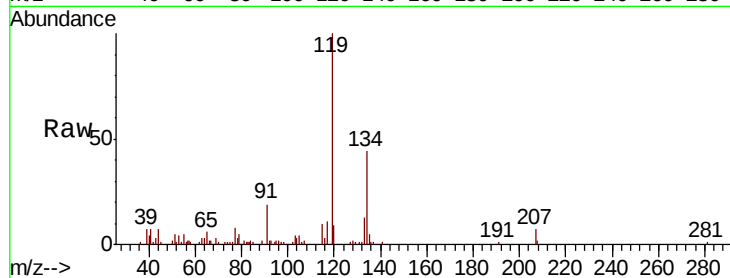
Tot Ion: 75 Resp: 309

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

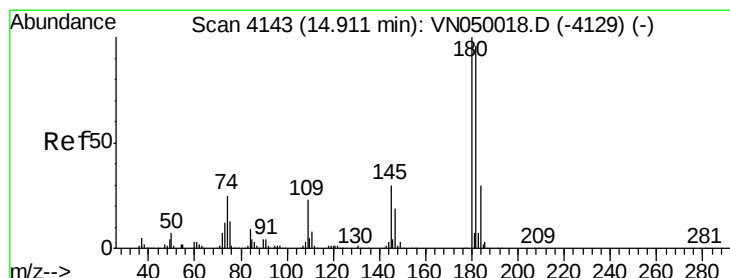
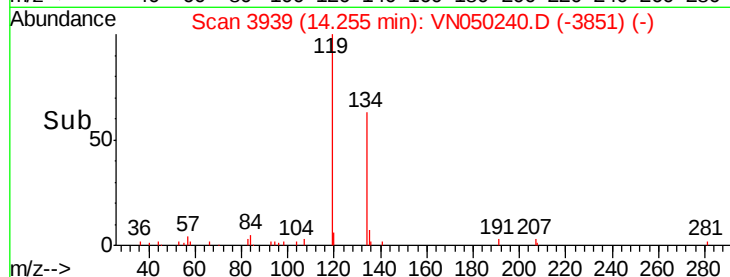
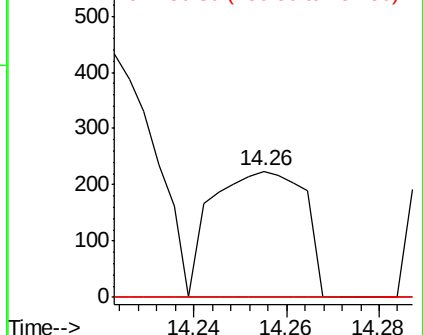
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.21 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050240.D

Acq: 1 Aug 2018 11:25

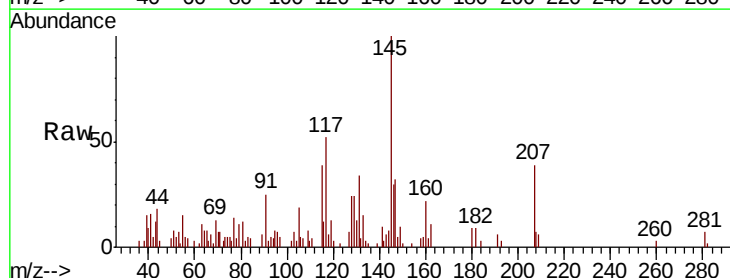
Tgt Ion: 180 Resp: 982

Ion Ratio Lower Upper

180 100

182 87.3 46.7 140.1

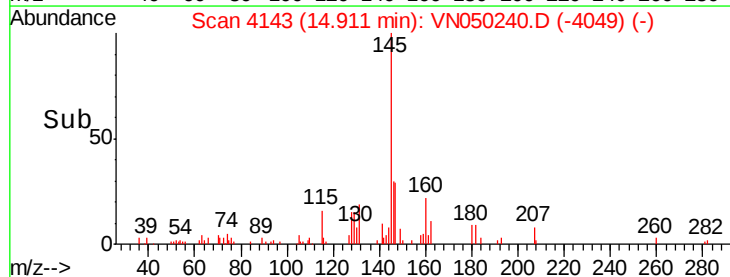
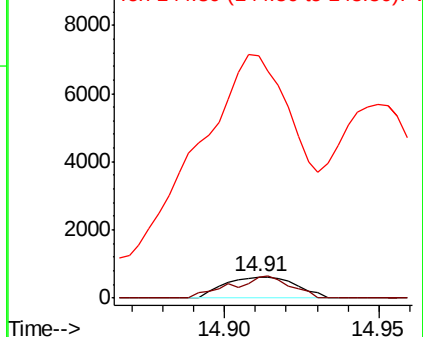
145 1471.1 13.8 41.4#

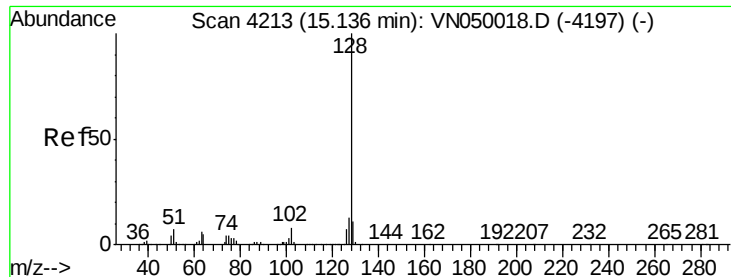


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

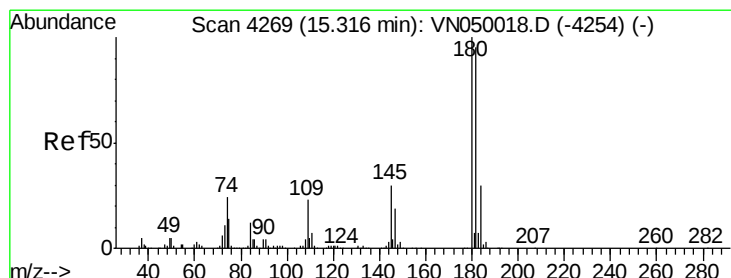
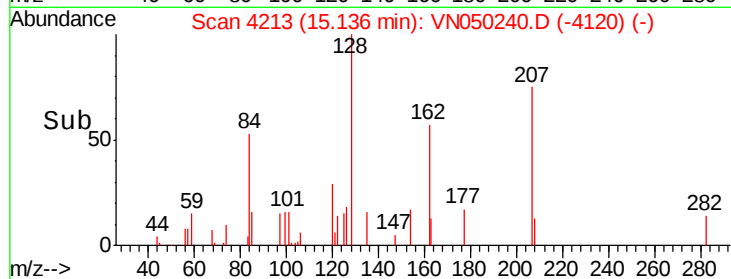
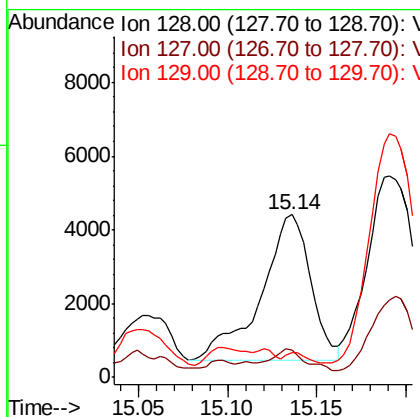
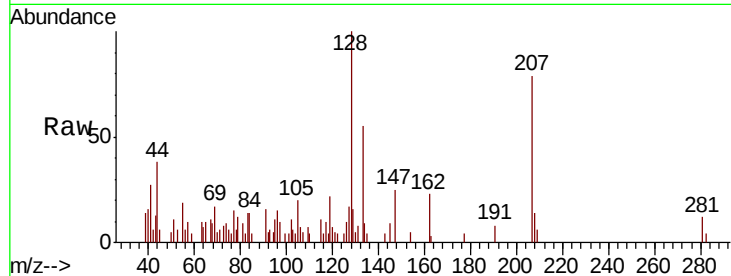




#95
Naphthalene
Concen: 4.81 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Instrument :
MSVOA_N
ClientSampled :
MW-17

Tot Ion:128 Resp: 7627
Ion Ratio Lower Upper
128 100
127 9.2 10.4 15.6#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 2.34 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050240.D
Acq: 1 Aug 2018 11:25

Tgt Ion:180 Resp: 1015
Ion Ratio Lower Upper
180 100
182 94.7 48.1 144.4
145 0.0 15.3 45.9#

