

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050239.D
 Acq On : 1 Aug 2018 11:00
 Operator : MD\SY
 Sample : J4256-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:51:45 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	662567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1067098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	913911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	397807	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	461529	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.59	113	409221	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	10.09	98	1480091	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
62) 4-Bromofluorobenzene	12.40	95	442352	41.94	ug/l	0.00
Spiked Amount			Recovery	=	83.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2121	0.20	ug/l	98
5) Bromomethane	2.57	94	989	Below	Cal	87
11) Tert butyl alcohol	4.81	59	21002	30.88	ug/l #	87
13) Acrolein	3.63	56	113	0.21	ug/l #	34
16) Acetone	3.83	43	15606	2.87	ug/l	95
17) Carbon Disulfide	4.05	76	7448	0.32	ug/l	98
18) Methyl Acetate	4.33	43	10163	Below	Cal	97
19) Methyl tert-butyl Ether	5.05	73	68374	3.36	ug/l	93
20) Methylene Chloride	4.55	84	4496	Below	Cal #	89
25) 2-Butanone	6.85	43	2057	0.58	ug/l	95
31) Cyclohexane	7.66	56	22580	1.71	ug/l #	36
36) 1,1-Dichloropropene	7.67	75	46965	3.91	ug/l #	49
38) Carbon Tetrachloride	7.67	117	60303	4.73	ug/l #	17
39) Methylcyclohexane	9.08	83	46180	3.73	ug/l	96
40) Benzene	8.04	78	8681	0.24	ug/l #	88
41) Methacrylonitrile	7.18	41	151	2.78	ug/l #	10
43) Isopropyl Acetate	8.26	43	139264	7.86	ug/l #	61
48) Methyl methacrylate	9.26	41	2223	0.31	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	6843	0.83	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	12424	1.45	ug/l #	18
56) Ethyl methacrylate	10.43	69	7491	2.65	ug/l #	16
59) 2-Hexanone	10.76	43	1542	5.42	ug/l	91
67) Ethyl Benzene	11.51	91	37560	1.01	ug/l	99
68) m/p-Xylenes	11.62	106	48832	3.48	ug/l	99
69) o-Xylene	11.95	106	31612	2.36	ug/l	98
70) Styrene	11.95	104	3174	1.05	ug/l #	1
71) Bromoform	12.41	173	3926	0.61	ug/l #	1
73) Isopropylbenzene	12.25	105	31286	1.01	ug/l	96
74) N-amyl acetate	12.04	43	2581	0.27	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.46	83	2251	Below	Cal #	28
76) 1,2,3-Trichloropropane	12.40	75	218206	29.52	ug/l #	100
78) n-propylbenzene	12.59	91	41088	1.19	ug/l	97
79) 2-Chlorotoluene	12.65	91	13701	0.64	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.73	105	112988	4.66	ug/l	99

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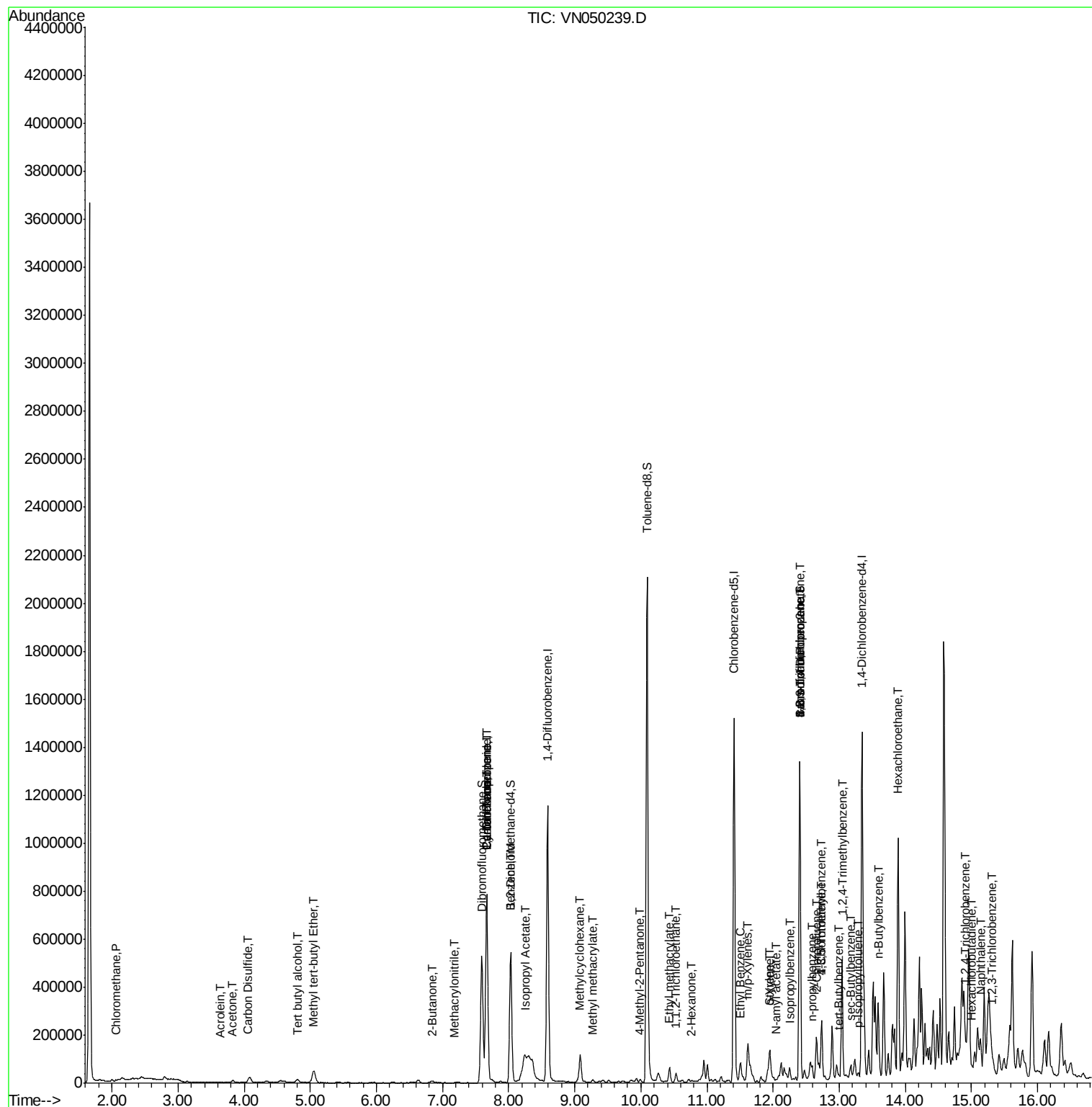
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	218206	93.62	ug/l #	13
82) 4-Chlorotoluene	12.73	91	9585	0.45	ug/l #	41
83) tert-Butylbenzene	12.99	119	7083	0.33	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	275314	11.26	ug/l	100
85) sec-Butylbenzene	13.17	105	33364	1.18	ug/l	88
86) p-Isopropyltoluene	13.29	119	9957	0.42	ug/l	98
89) n-Butylbenzene	13.59	91	45344	2.31	ug/l #	1
90) Hexachloroethane	13.89	117	53480	10.10	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.30	75	830	Below	Cal #	14
93) 1,2,4-Trichlorobenzene	14.91	180	5678	3.78	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1288	0.29	ug/l	89
95) Naphthalene	15.14	128	90673	8.97	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	6499	3.04	ug/l #	80

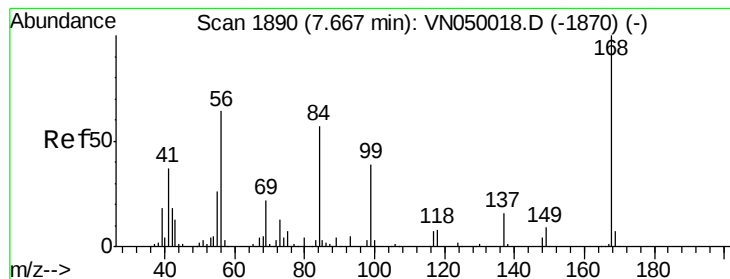
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

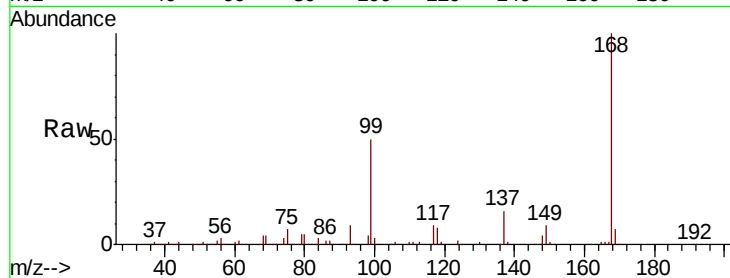
ClientSampleId :

Tot Ion:168 Resp: 662567

Ion Ratio Lower Upper

168 100

99 50.3 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

250000

200000

150000

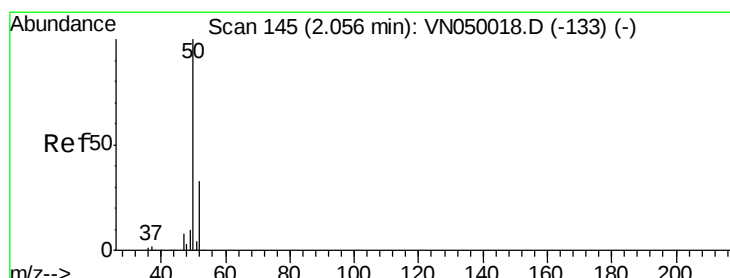
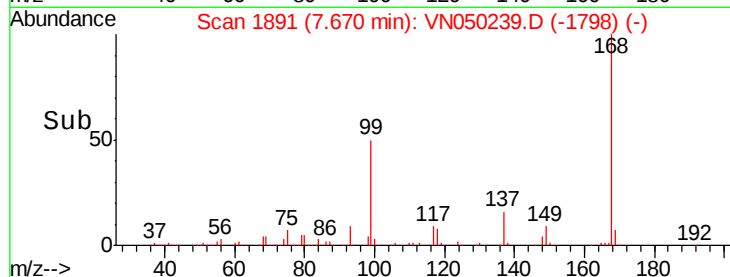
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050239.D

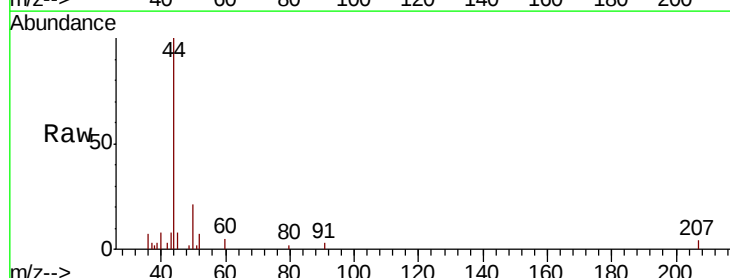
Acq: 1 Aug 2018 11:00

Tgt Ion: 50 Resp: 2121

Ion Ratio Lower Upper

50 100

52 33.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

1500

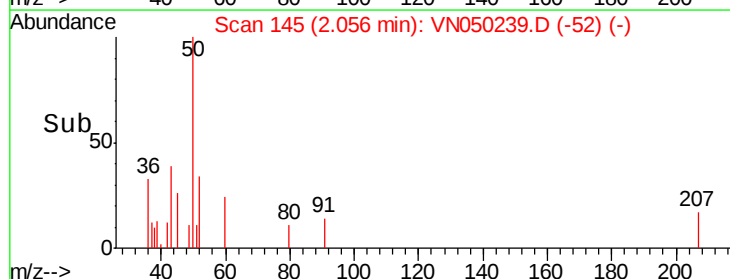
1000

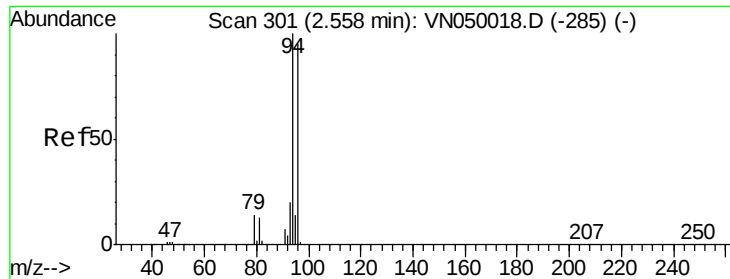
500

0

Time-->

2.05 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

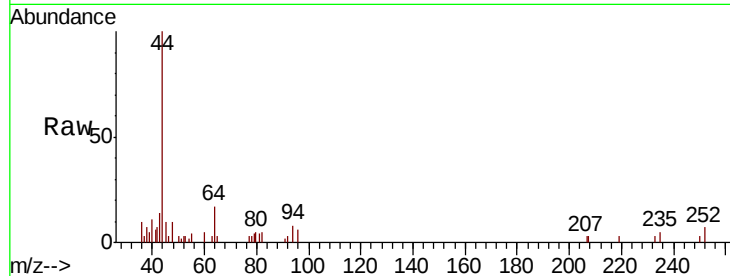
ClientSampled :

Tot Ion: 94 Resp: 989

Ion Ratio Lower Upper

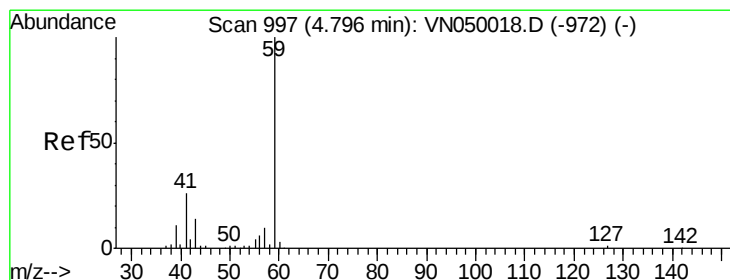
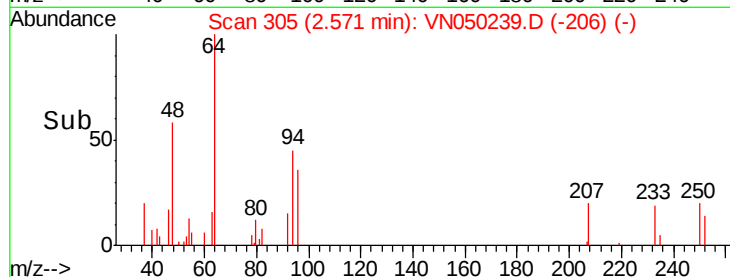
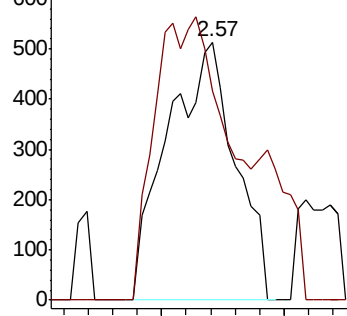
94 100

96 80.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 30.88 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN050239.D

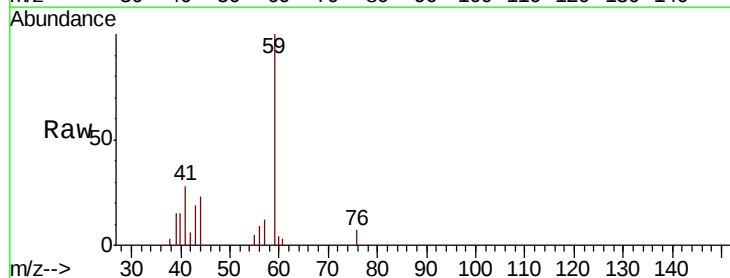
Acq: 1 Aug 2018 11:00

Tgt Ion: 59 Resp: 21002

Ion Ratio Lower Upper

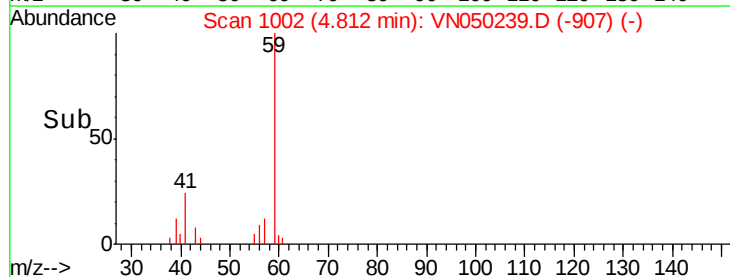
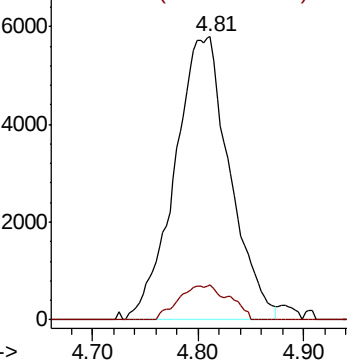
59 100

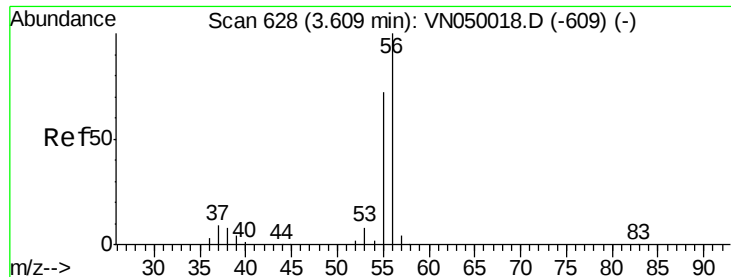
57 5.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.21 ug/l

RT: 3.63 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

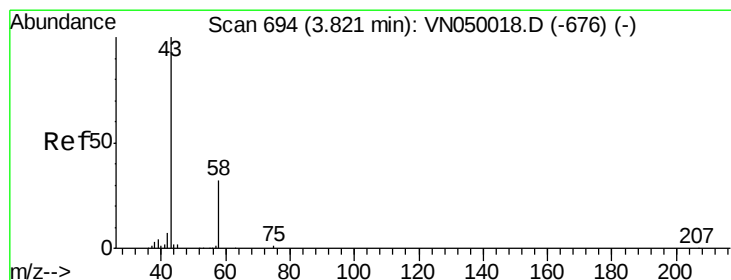
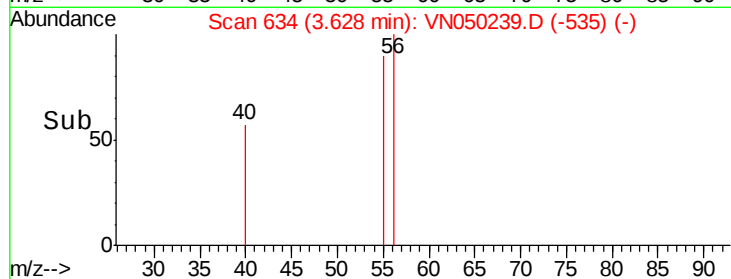
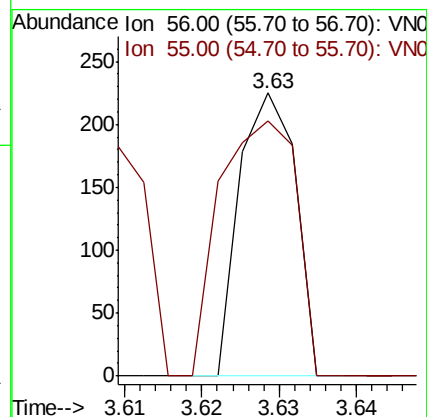
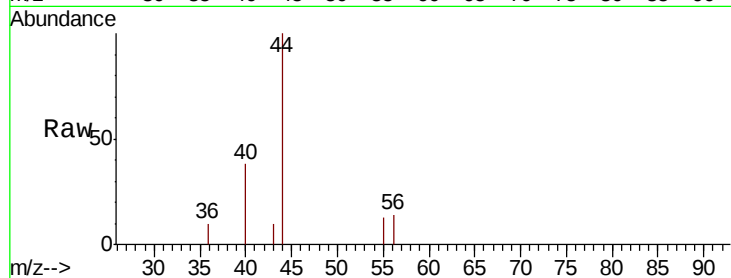
ClientSampled :

Tot Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 123.9 55.8 83.6#



#16

Acetone

Concen: 2.87 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050239.D

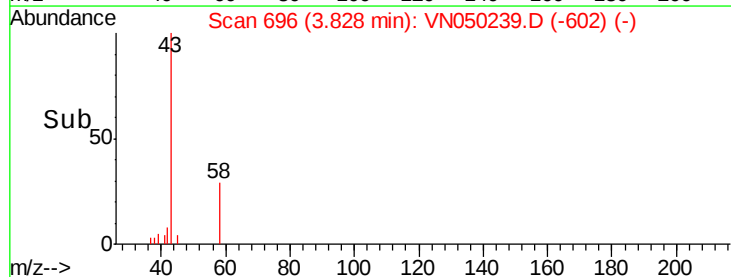
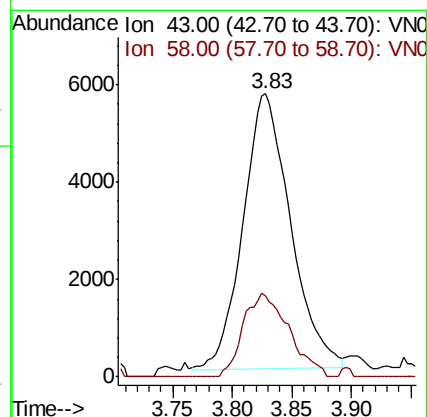
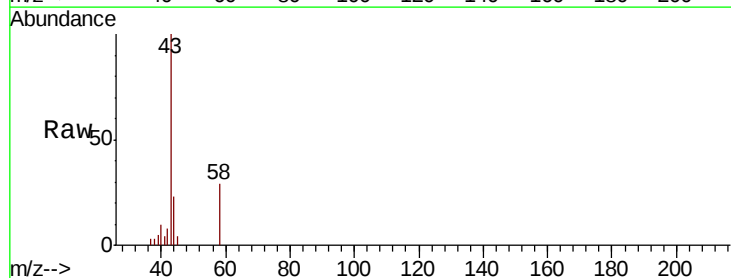
Acq: 1 Aug 2018 11:00

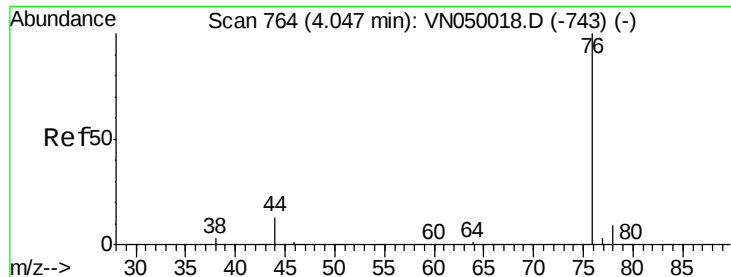
Tgt Ion: 43 Resp: 15606

Ion Ratio Lower Upper

43 100

58 29.6 25.8 38.8

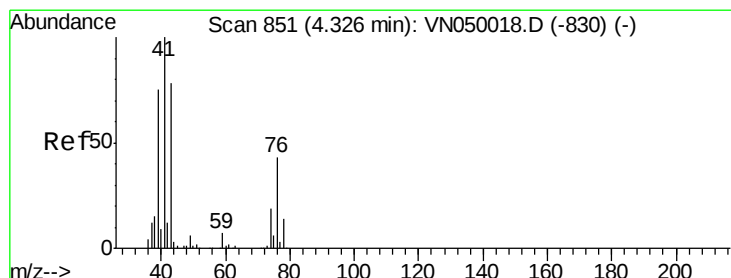
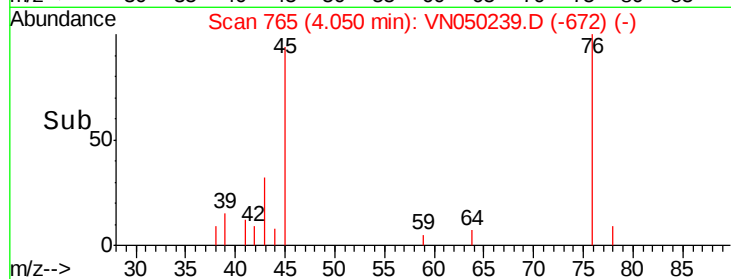
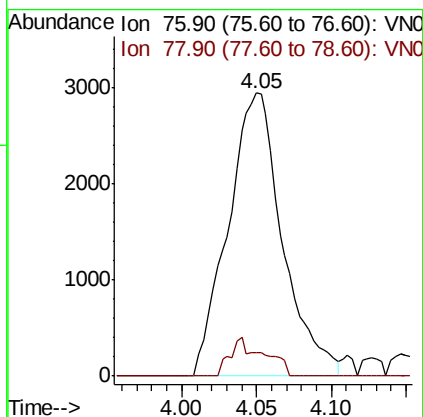
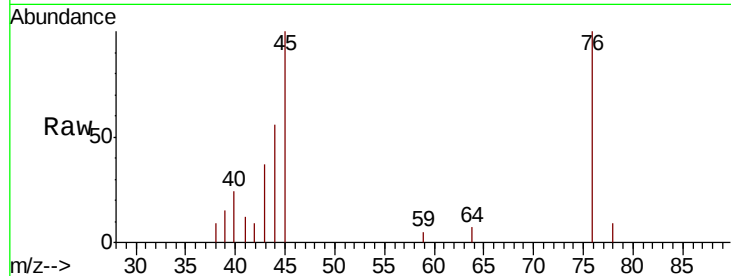




#17
Carbon Disulfide
Concen: 0.32 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

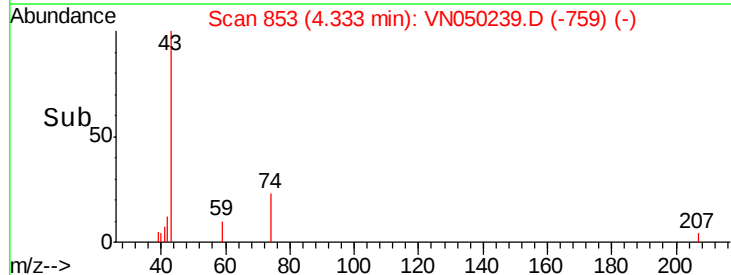
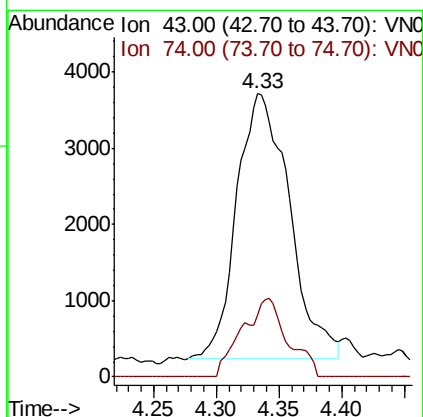
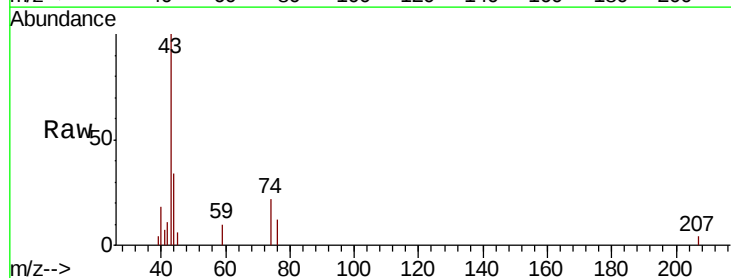
Instrument :
MSVOA_N
ClientSampled :

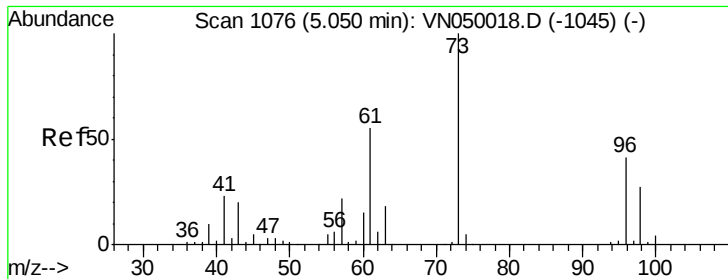
Tot Ion: 76 Resp: 7448
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion: 43 Resp: 10163
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8

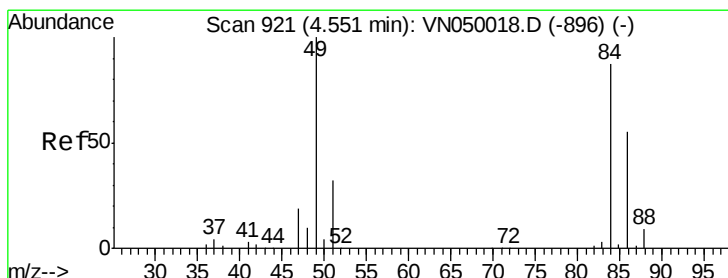
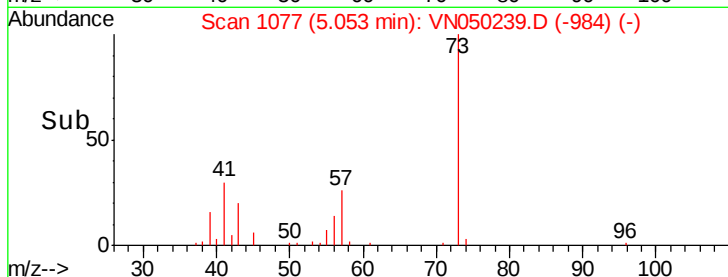
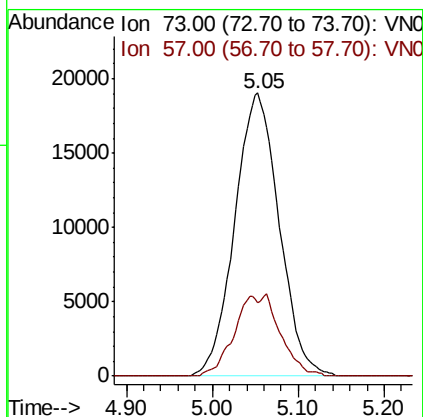
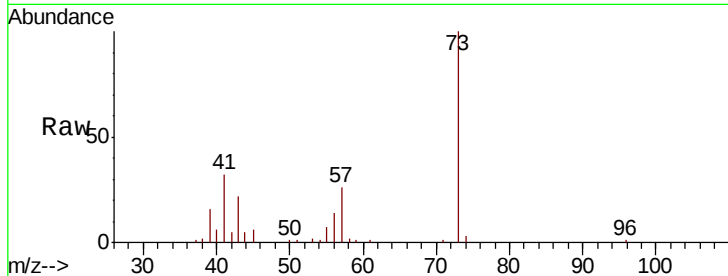




#19
Methyl tert-butyl Ether
Concen: 3.36 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

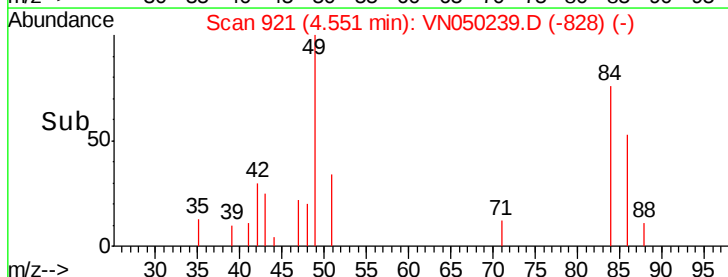
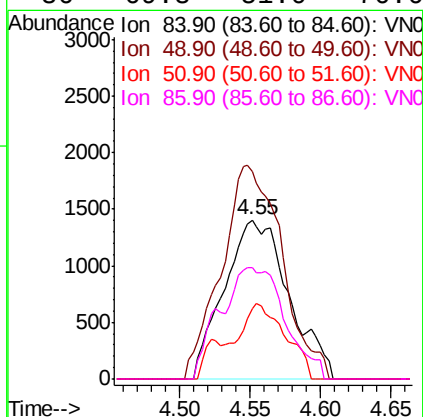
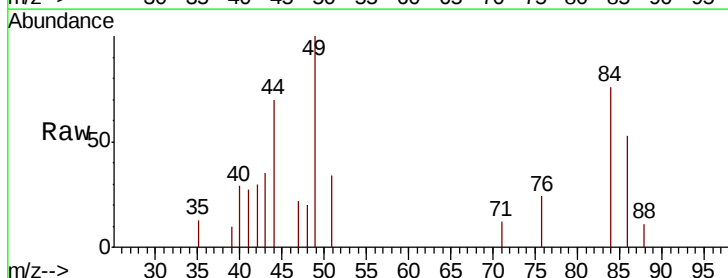
Instrument :
MSVOA_N
ClientSampleId :

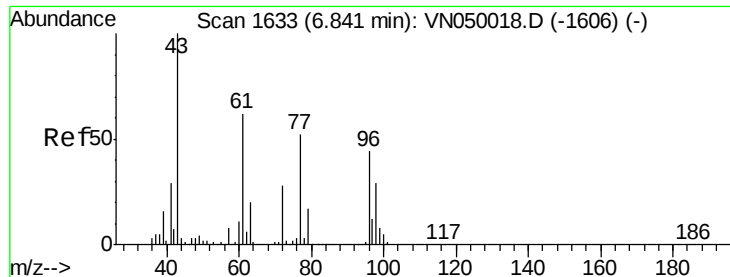
Tot Ion: 73 Resp: 68374
Ion Ratio Lower Upper
73 100
57 26.1 18.0 27.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion: 84 Resp: 4496
Ion Ratio Lower Upper
84 100
49 130.9 94.8 142.2
51 44.1 28.3 42.5#
86 69.8 51.0 76.6





#25

2-Butanone

Concen: 0.58 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

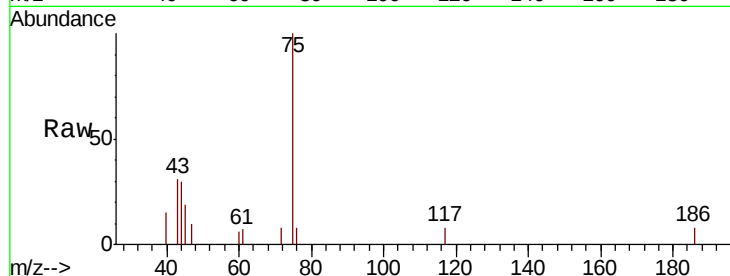
ClientSampleId :

Tot Ion: 43 Resp: 2057

Ion Ratio Lower Upper

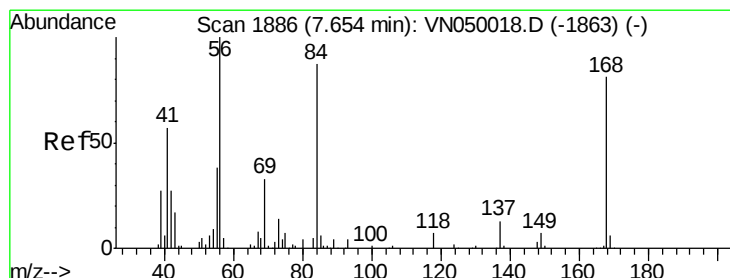
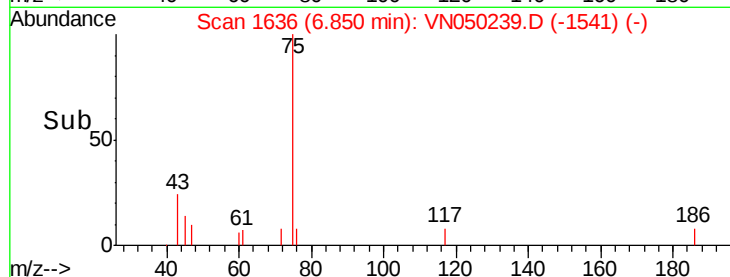
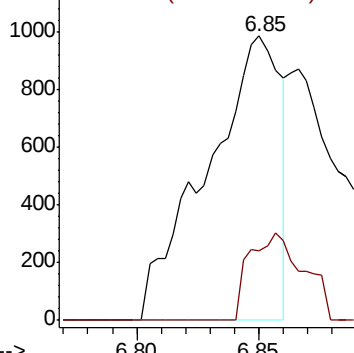
43 100

72 24.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.71 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

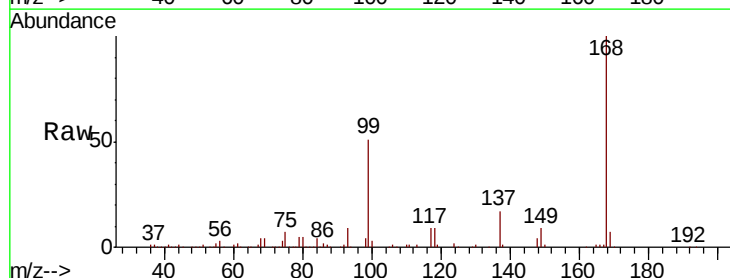
Tgt Ion: 56 Resp: 22580

Ion Ratio Lower Upper

56 100

69 112.2 26.2 39.4#

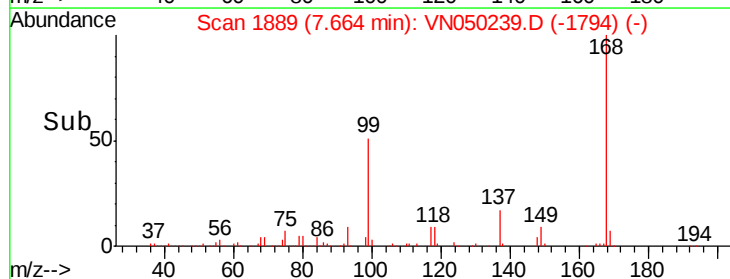
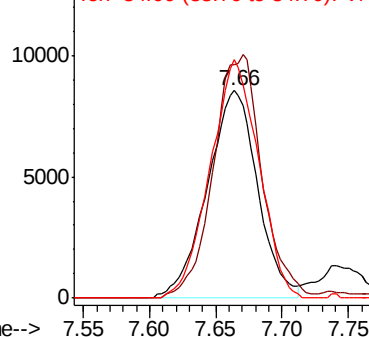
84 115.2 67.4 101.0#

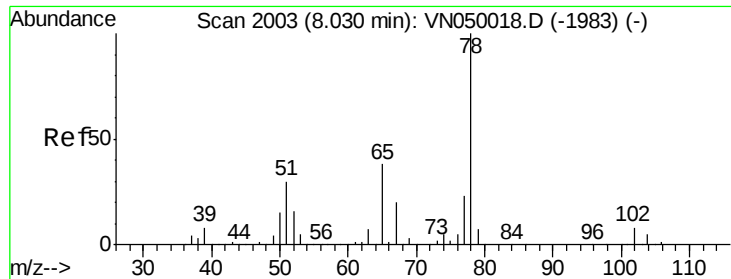


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.93 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

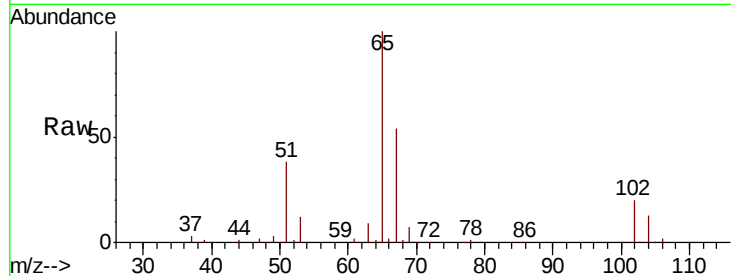
ClientSampleId :

Tot Ion: 65 Resp: 461529

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

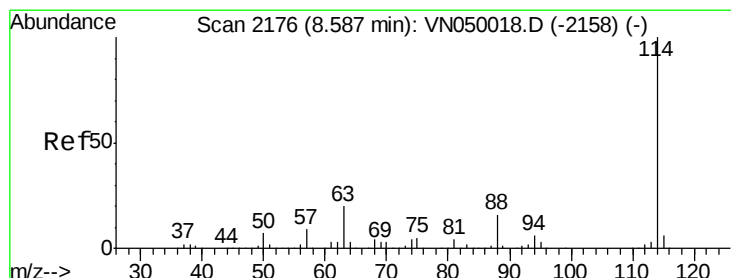
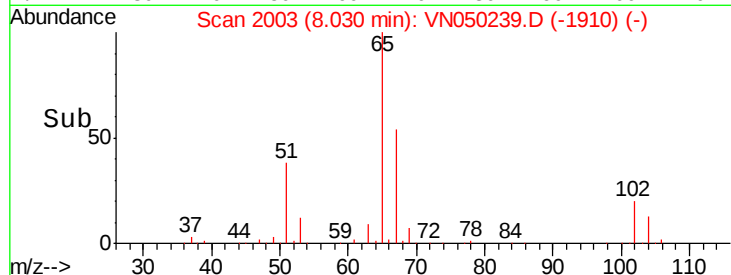
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

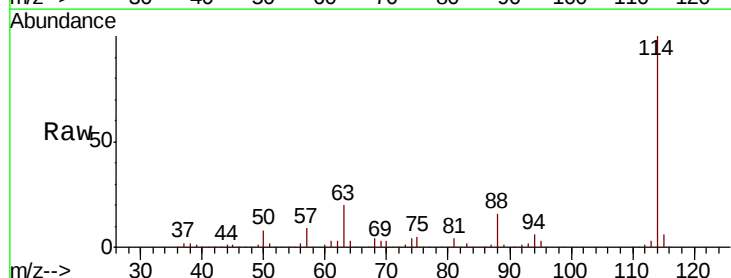
Tgt Ion: 114 Resp: 1067098

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.5 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

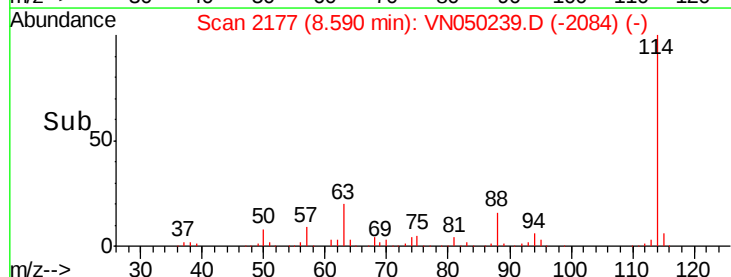
600000

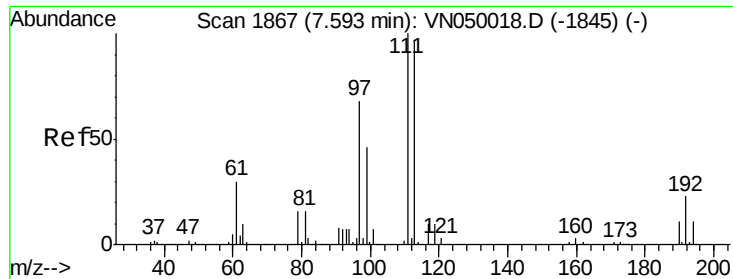
400000

200000

0

Time--> 8.50 8.60 8.70

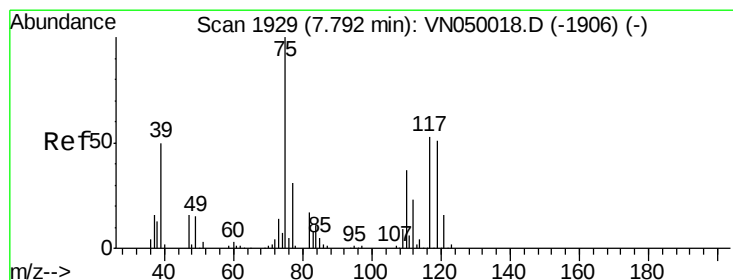
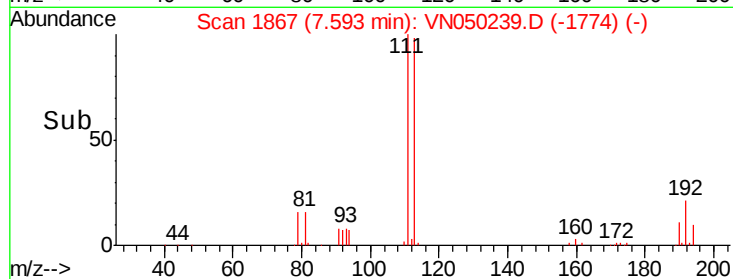
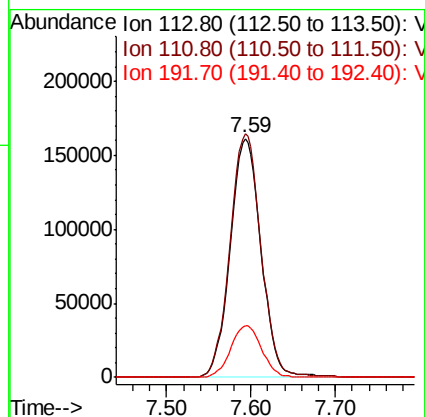
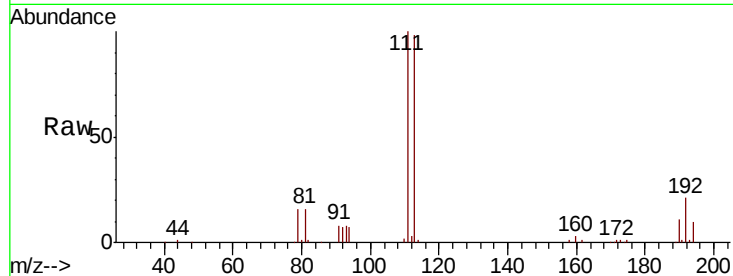




#35
 Dibromofluoromethane
 Concen: 46.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050239.D
 Acq: 1 Aug 2018 11:00

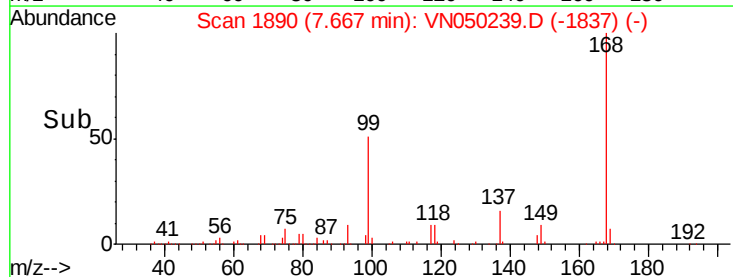
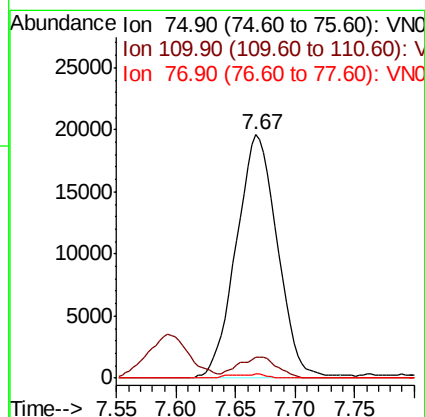
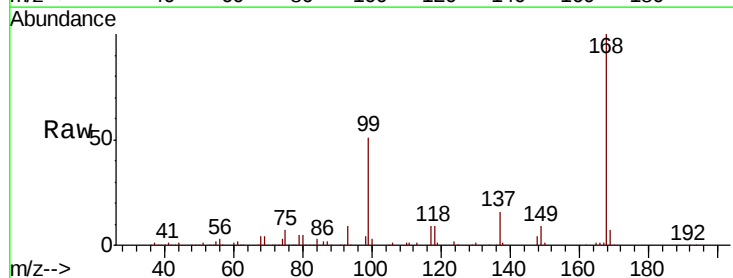
Instrument :
 MSVOA_N
 ClientSampleId :

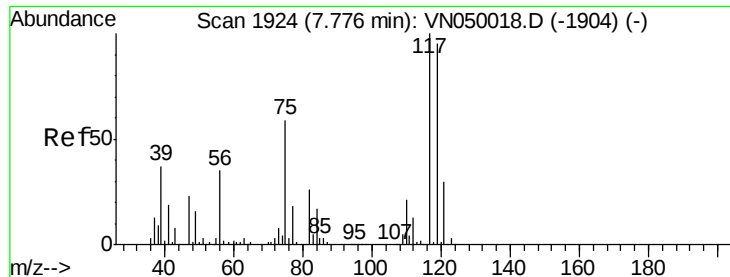
Tot Ion:113 Resp: 409221
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.7 121.1
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050239.D
 Acq: 1 Aug 2018 11:00

Tgt Ion: 75 Resp: 46965
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.8 25.3 37.9#

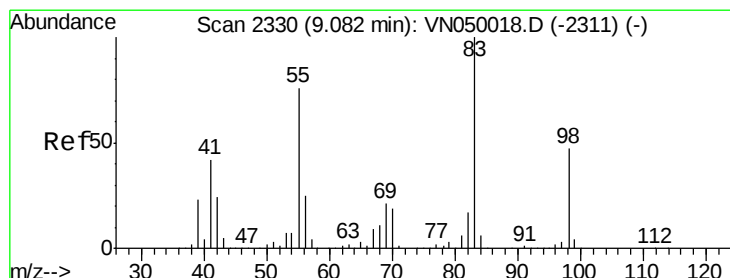
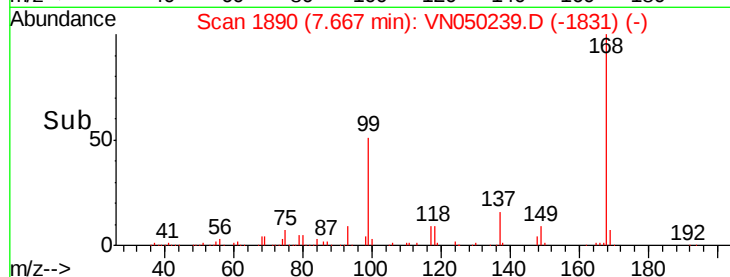
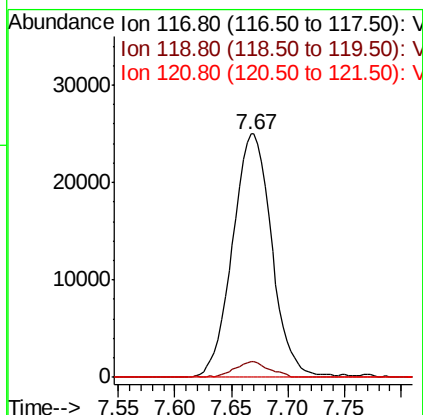
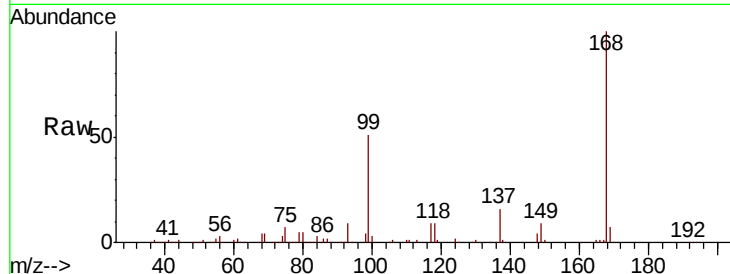




#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

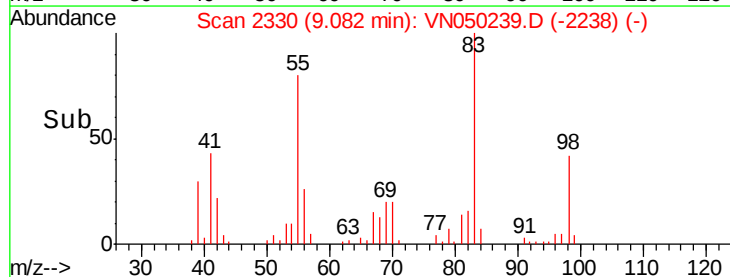
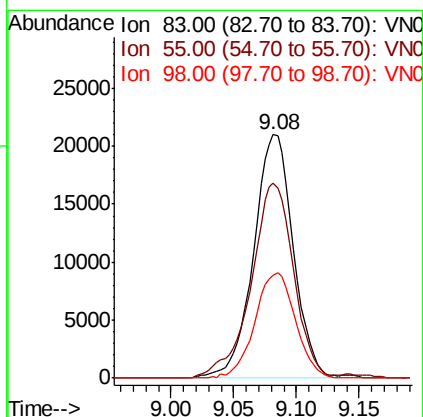
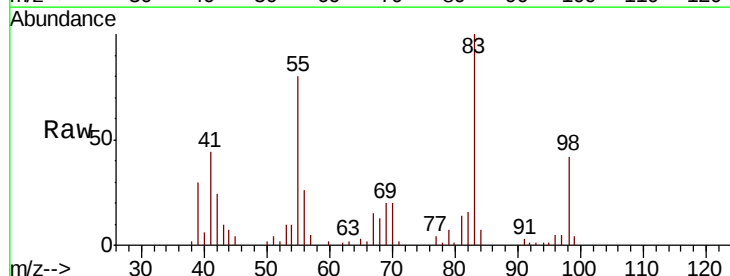
Instrument :
MSVOA_N
ClientSampleId :

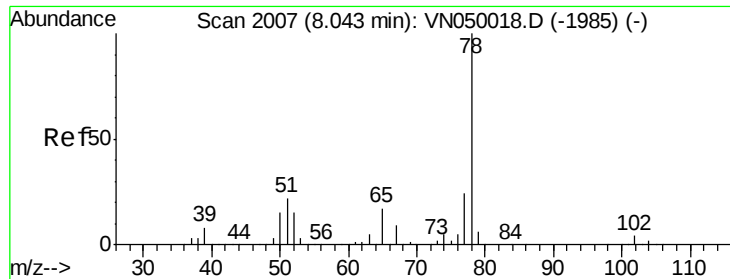
Tot Ion:117 Resp: 60303
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 3.73 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion: 83 Resp: 46180
Ion Ratio Lower Upper
83 100
55 80.0 61.8 92.8
98 42.4 36.5 54.7





#40

Benzene

Concen: 0.24 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

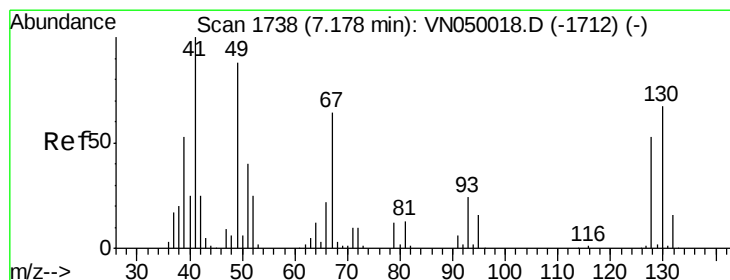
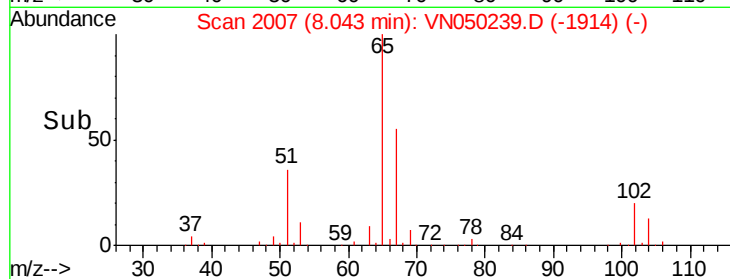
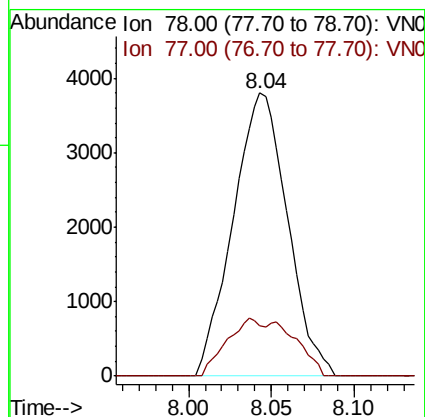
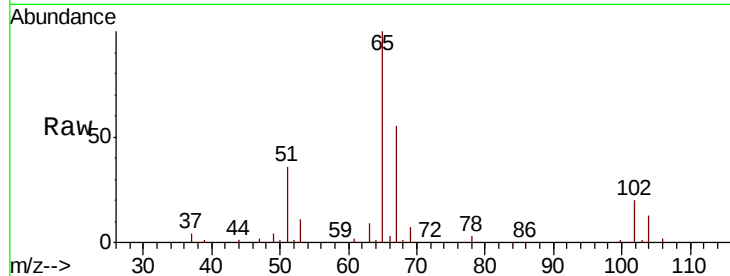
ClientSampleId :

Tot Ion: 78 Resp: 8681

Ion Ratio Lower Upper

78 100

77 17.7 18.7 28.1#



#41

Methacrylonitrile

Concen: 2.78 ug/l

RT: 7.18 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Tgt Ion: 41 Resp: 151

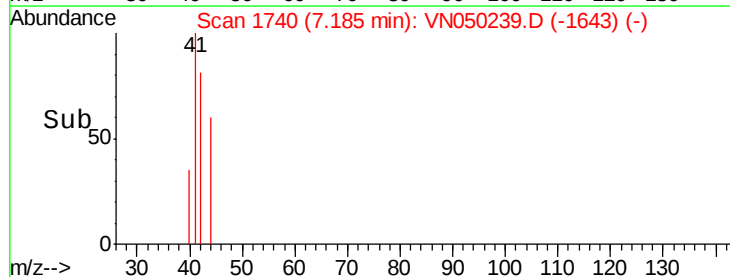
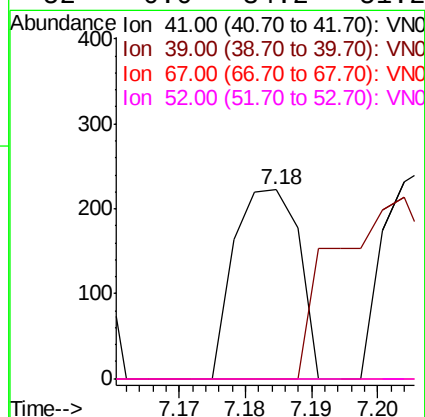
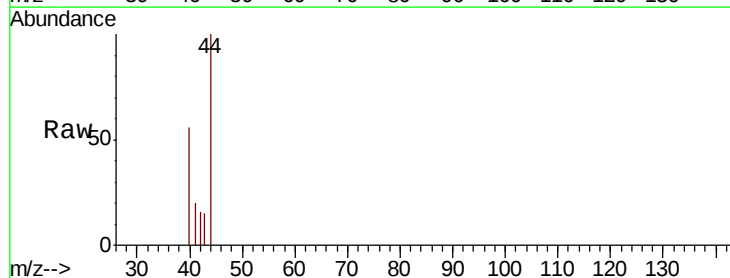
Ion Ratio Lower Upper

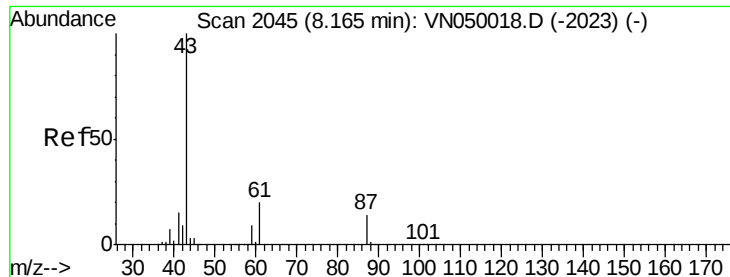
41 100

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: 7.86 ug/l

RT: 8.26 min Scan# 2073

Delta R.T. 0.09 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampled :

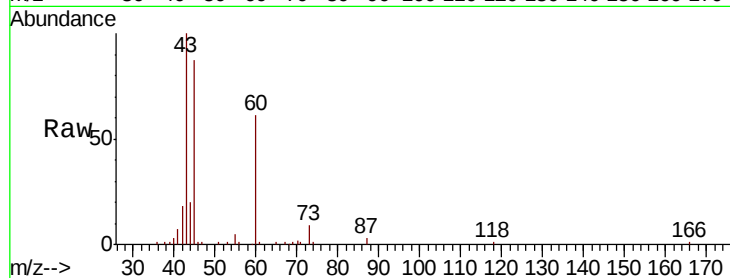
Tot Ion: 43 Resp: 139264

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

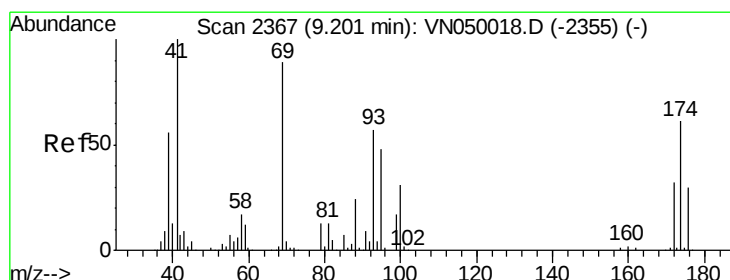
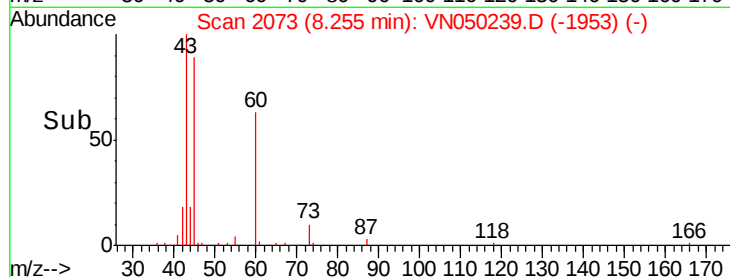
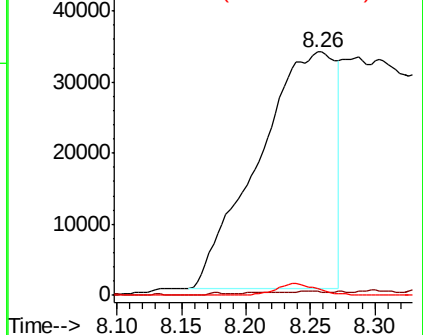
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.31 ug/l

RT: 9.26 min Scan# 2387

Delta R.T. 0.06 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

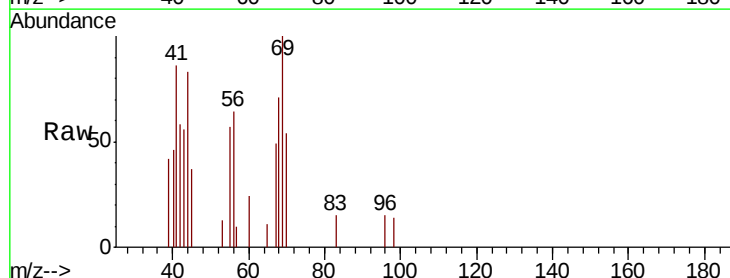
Tgt Ion: 41 Resp: 2223

Ion Ratio Lower Upper

41 100

69 144.4 70.6 105.8#

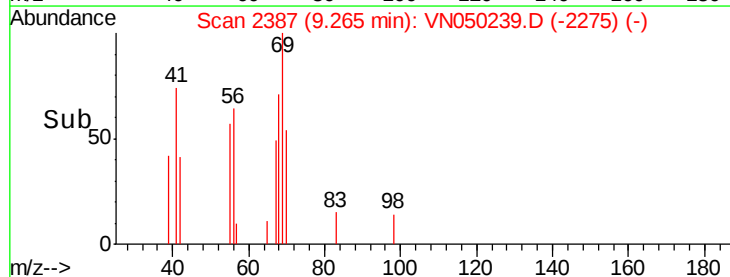
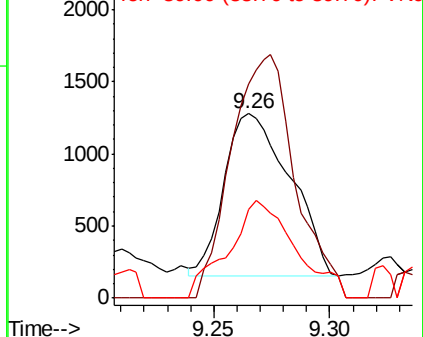
39 60.9 43.9 65.9

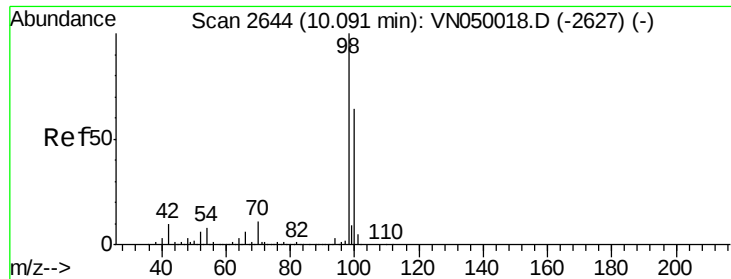


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

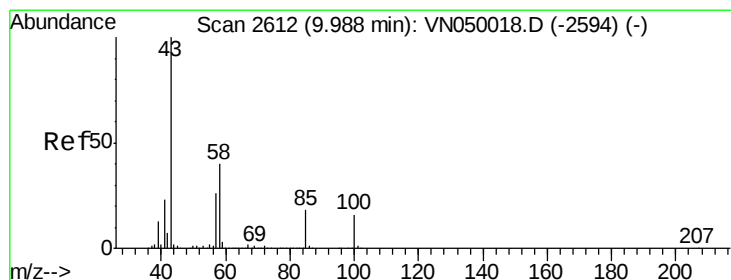
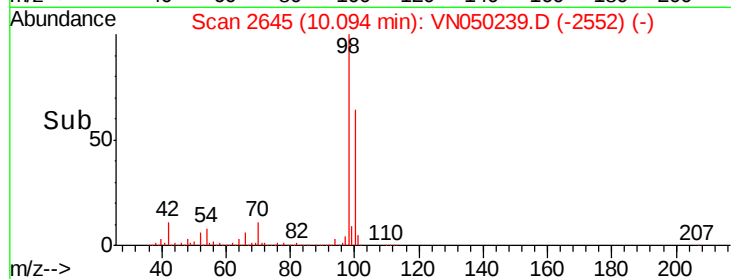
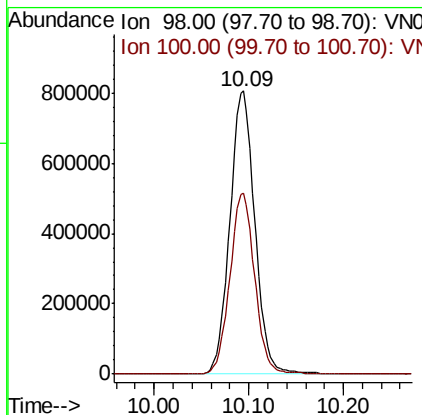
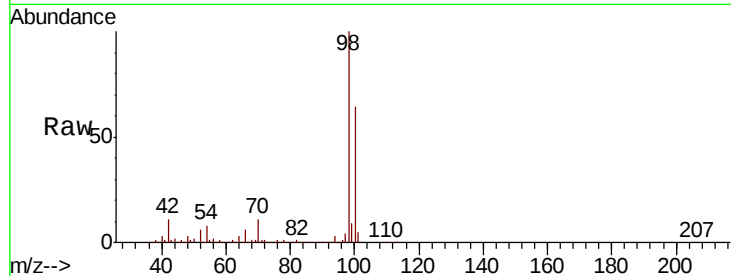




#50
Toluene-d8
Concen: 46.21 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

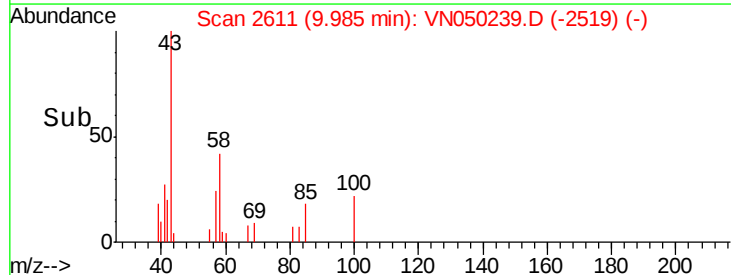
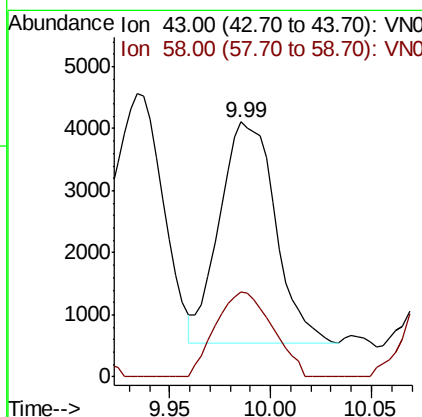
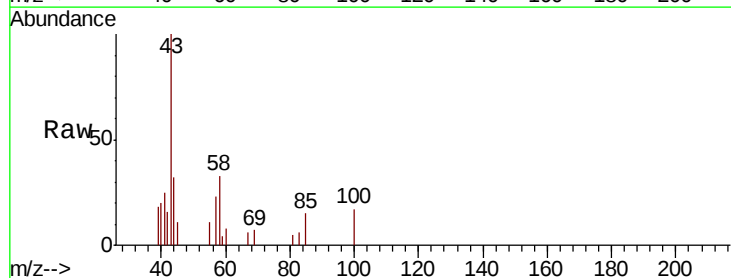
Instrument :
MSVOA_N
ClientSampled :

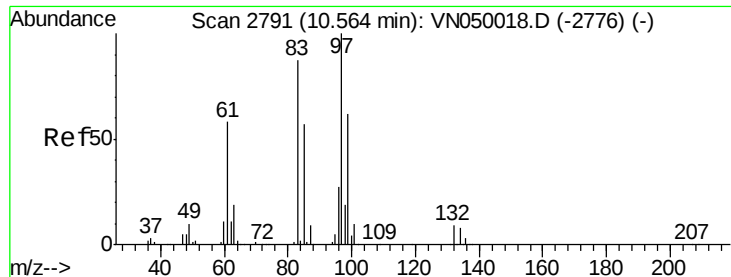
Tot Ion: 98 Resp: 1480091
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.83 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion: 43 Resp: 6843
Ion Ratio Lower Upper
43 100
58 39.3 31.9 47.9





#55

1,1,2-Trichloroethane

Concen: 1.45 ug/l

RT: 10.53 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 12424

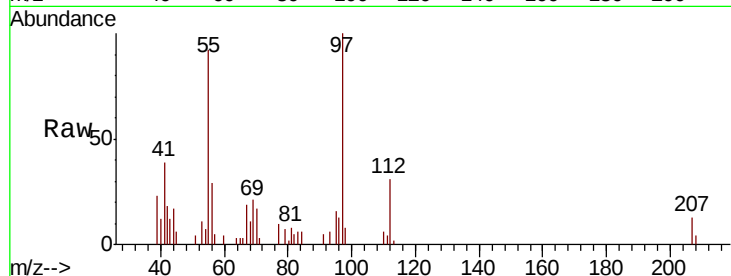
Ion Ratio Lower Upper

97 100

83 6.5 69.2 103.8#

85 0.0 44.0 66.0#

99 0.0 49.9 74.9#

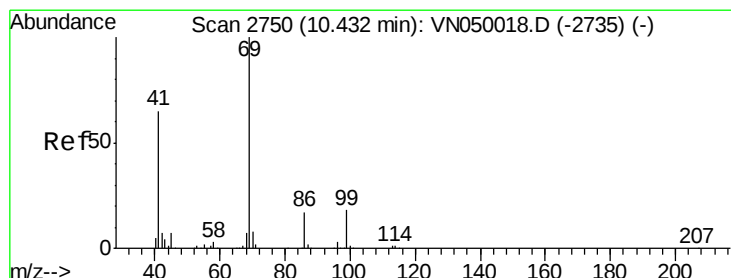
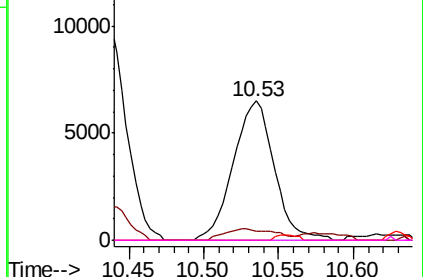
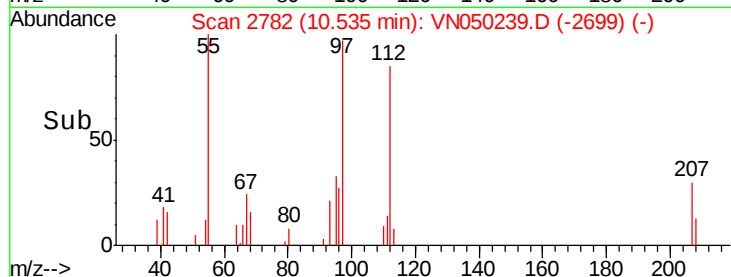


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 2.65 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

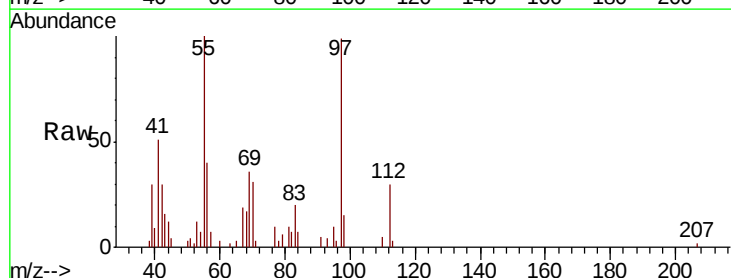
Tgt Ion: 69 Resp: 7491

Ion Ratio Lower Upper

69 100

41 135.1 51.0 76.4#

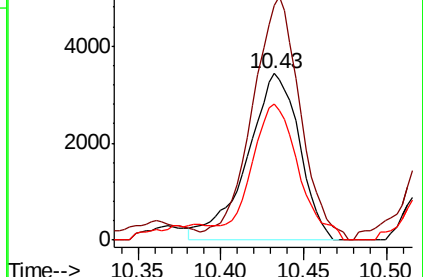
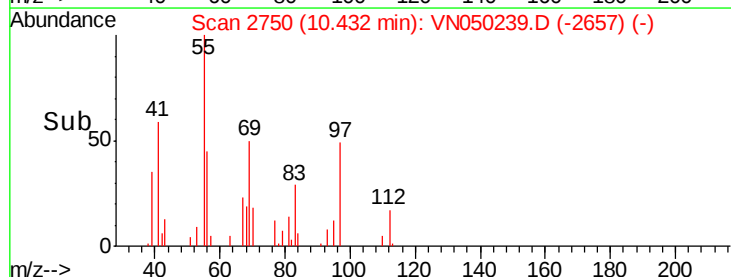
39 73.3 26.6 40.0#

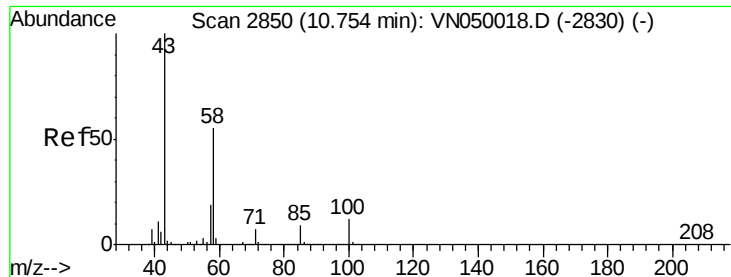


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

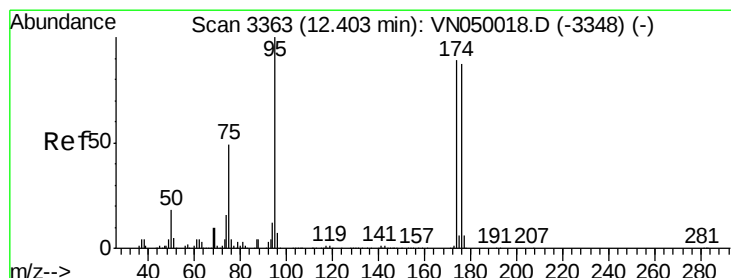
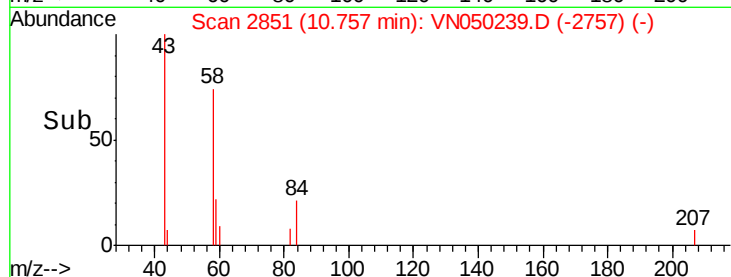
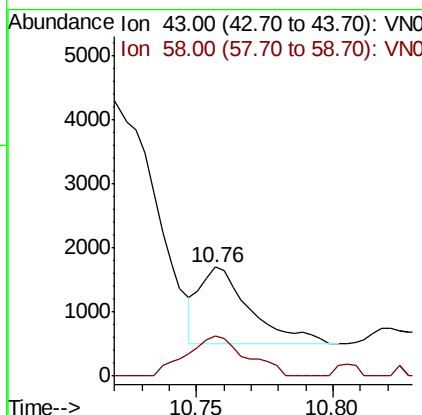
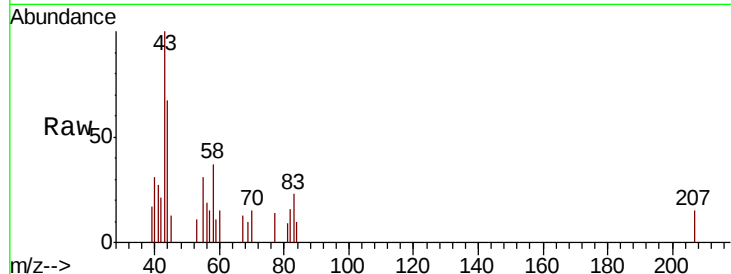




#59
2-Hexanone
Concen: 5.42 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

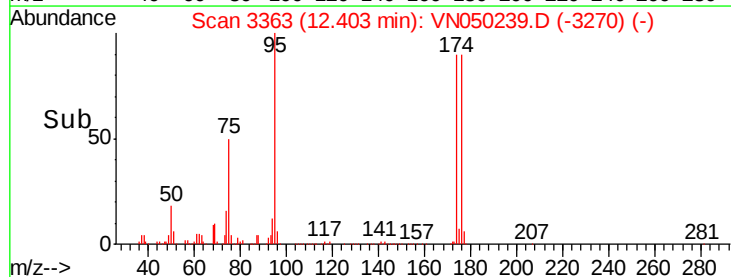
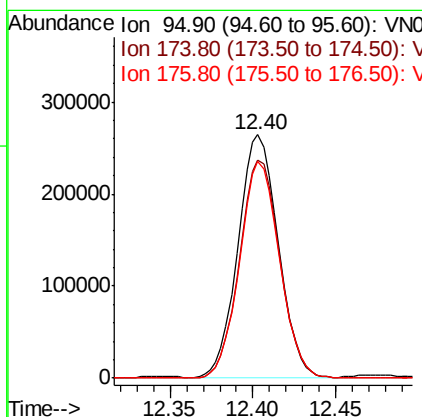
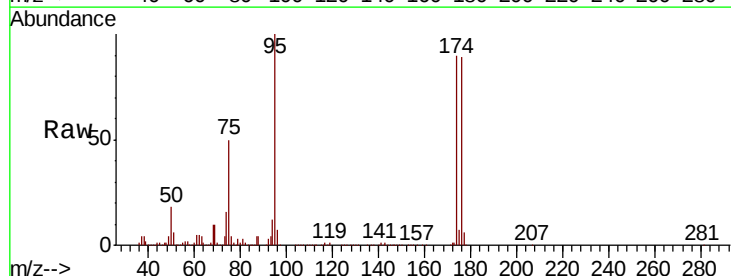
Instrument :
MSVOA_N
ClientSampled :

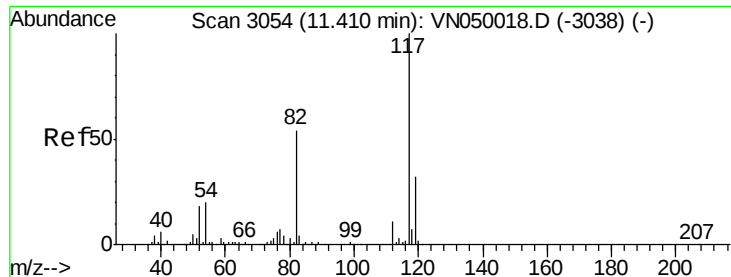
Tot Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
58 61.6 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 41.94 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion: 95 Resp: 442352
Ion Ratio Lower Upper
95 100
174 90.8 0.0 178.2
176 89.0 0.0 173.4

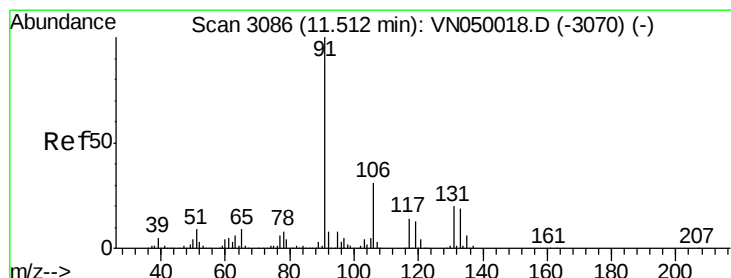
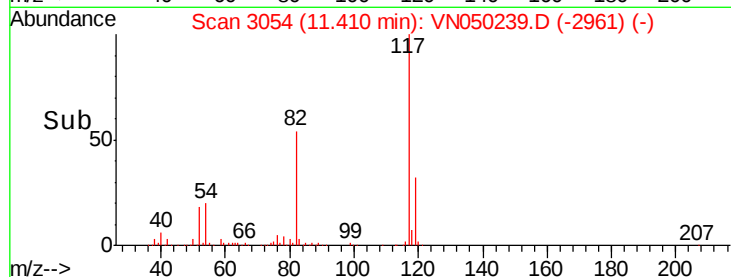
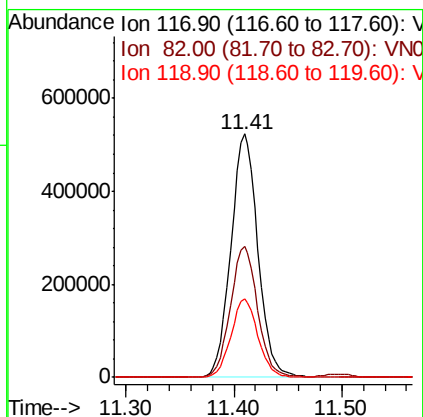
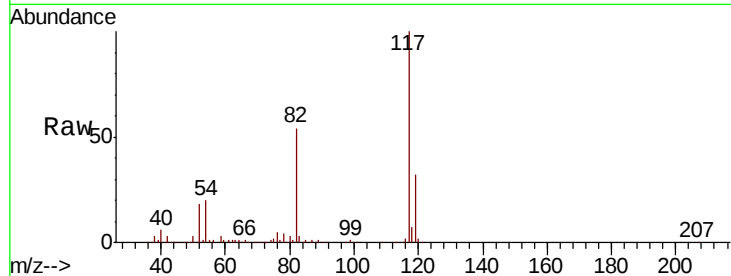




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

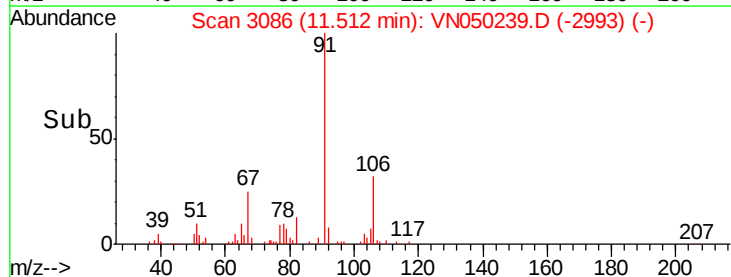
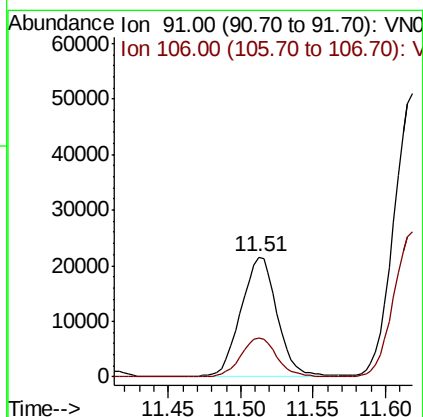
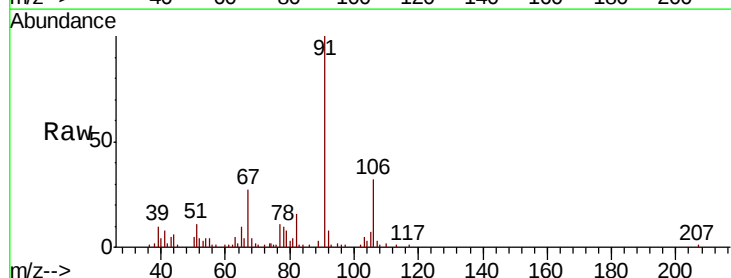
Instrument :
MSVOA_N
ClientSampleId :

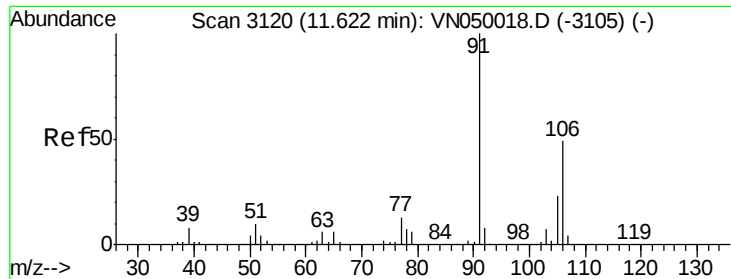
Tot Ion:117 Resp: 913911
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.2 26.1 39.1



#67
Ethyl Benzene
Concen: 1.01 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion: 91 Resp: 37560
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.4

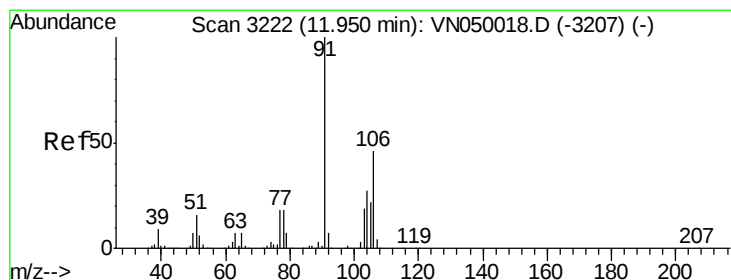
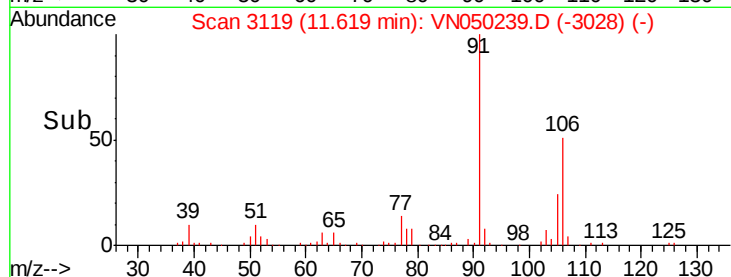
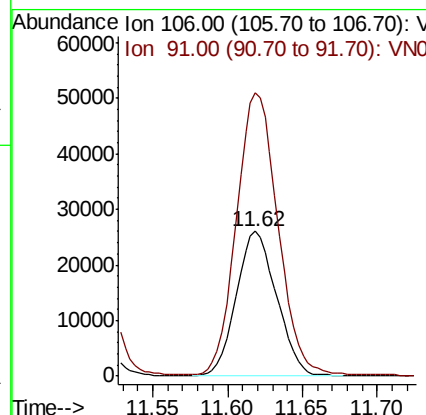
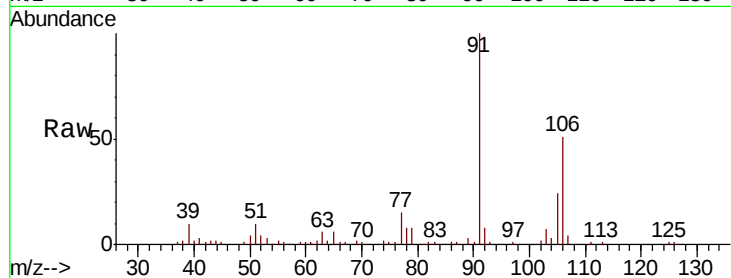




#68
m/p-Xylenes
Concen: 3.48 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

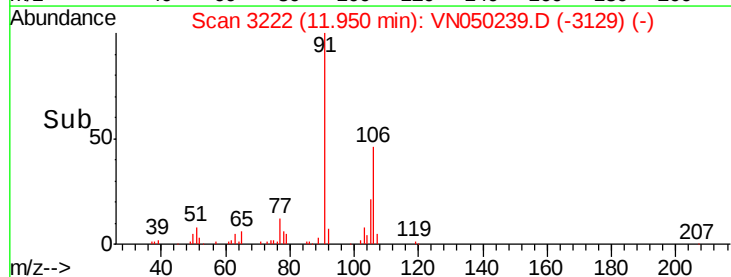
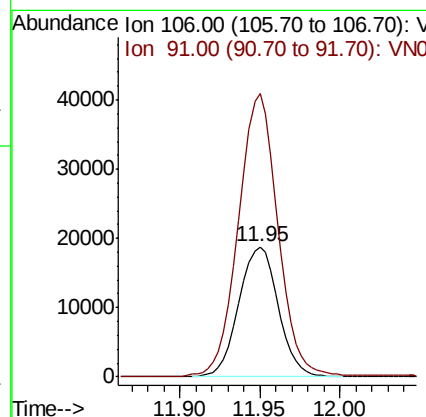
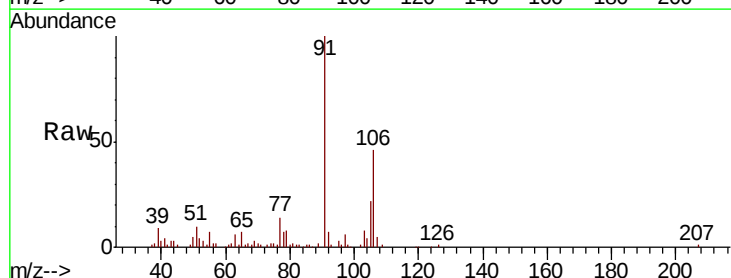
Instrument :
MSVOA_N
ClientSampleId :

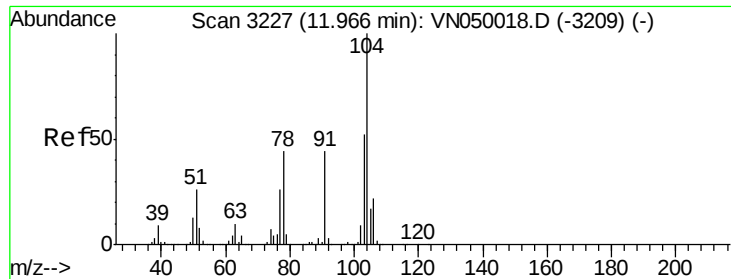
Tot Ion:106 Resp: 48832
Ion Ratio Lower Upper
106 100
91 203.7 162.2 243.2



#69
o-Xylene
Concen: 2.36 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion:106 Resp: 31612
Ion Ratio Lower Upper
106 100
91 219.2 107.7 323.1

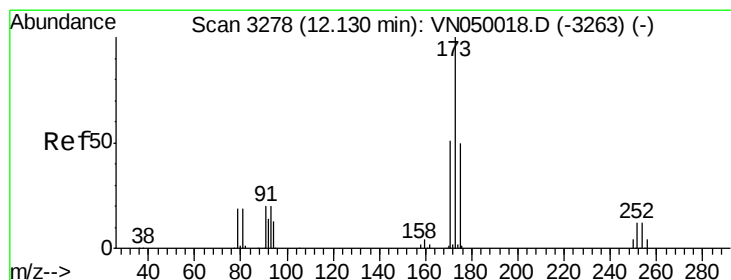
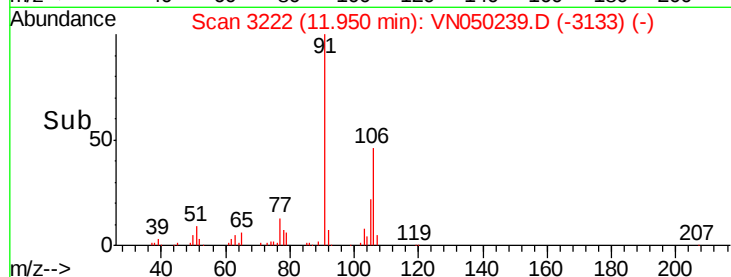
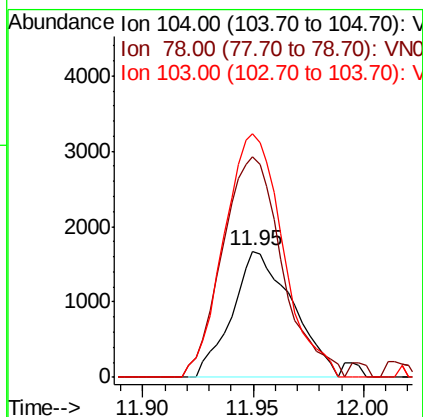
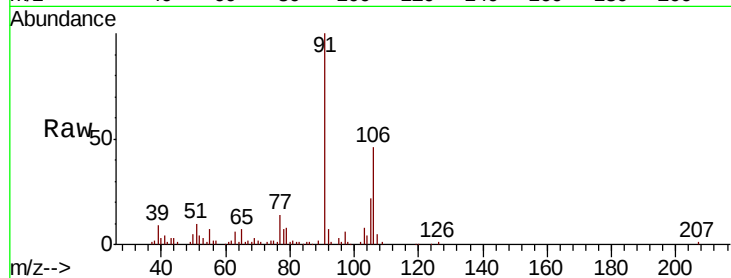




#70
Stvrene
Concen: 1.05 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

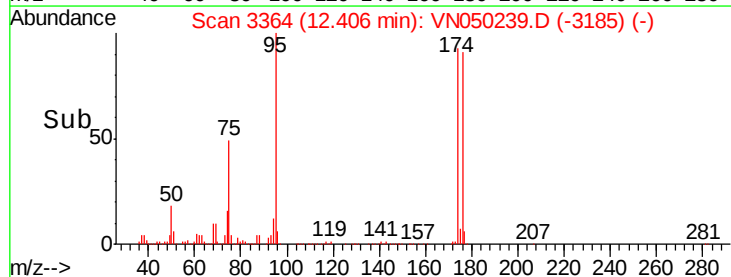
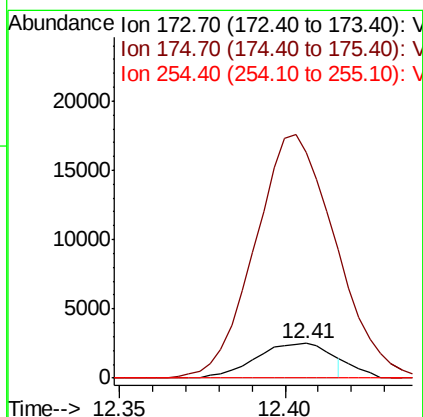
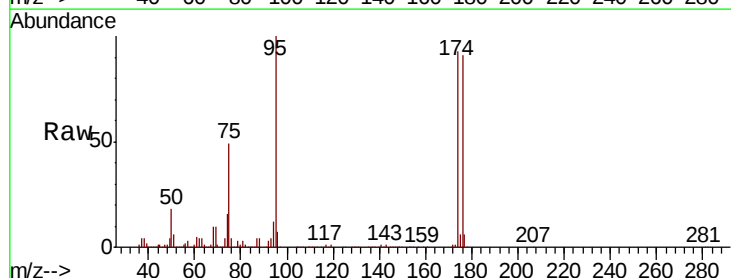
Instrument :
MSVOA_N
ClientSampled :

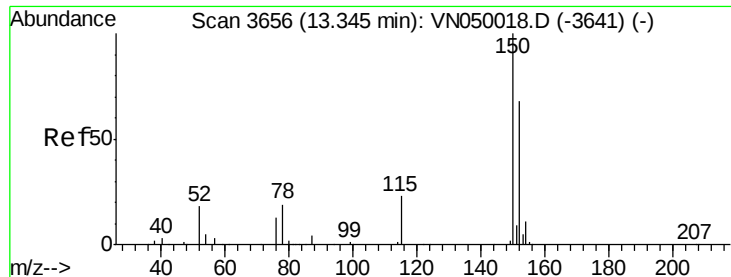
Tot Ion:104 Resp: 3174
Ion Ratio Lower Upper
104 100
78 174.1 39.3 58.9#
103 188.7 45.0 67.6#



#71
Bromoform
Concen: 0.61 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050239.D
Acq: 1 Aug 2018 11:00

Tgt Ion:173 Resp: 3926
Ion Ratio Lower Upper
173 100
175 675.2 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: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampled :

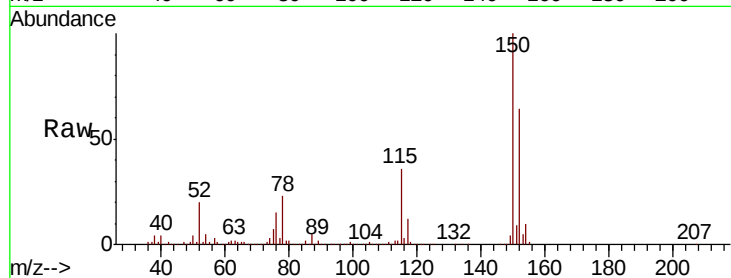
Tot Ion:152 Resp: 397807

Ion Ratio Lower Upper

152 100

115 57.9 27.8 83.3

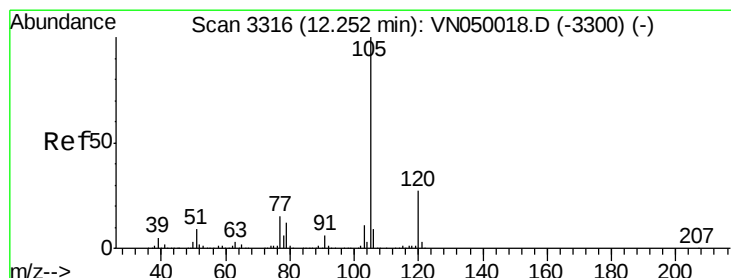
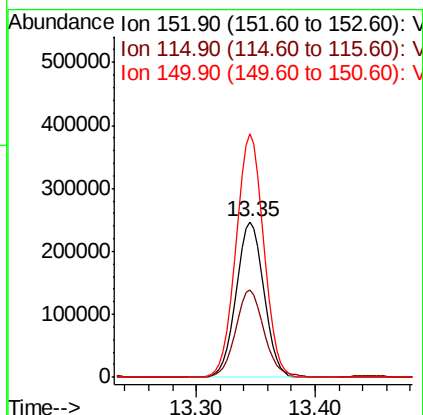
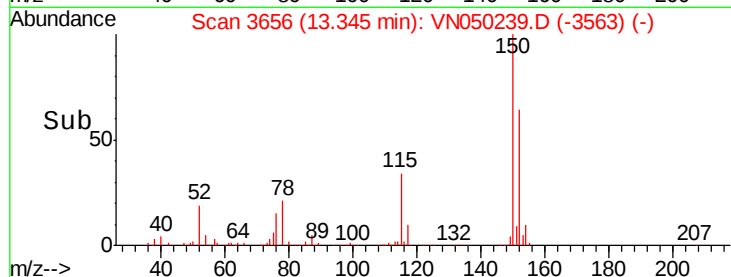
150 156.0 0.0 348.6



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: 1.01 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050239.D

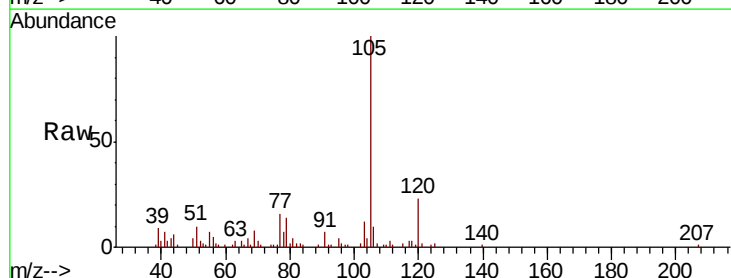
Acq: 1 Aug 2018 11:00

Tgt Ion:105 Resp: 31286

Ion Ratio Lower Upper

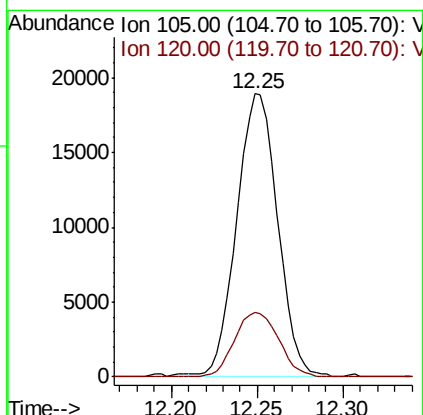
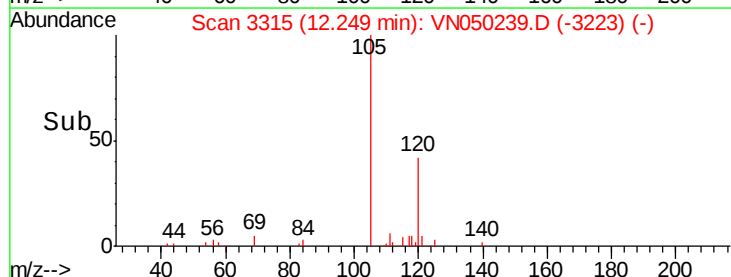
105 100

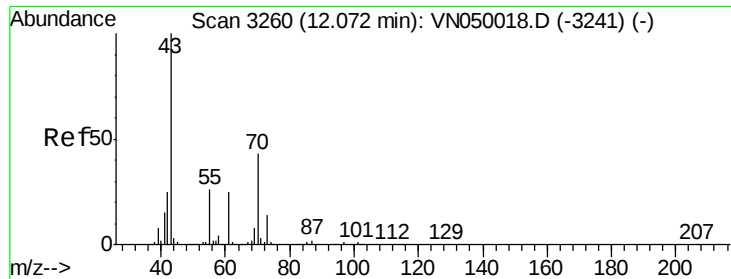
120 24.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.27 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 2581

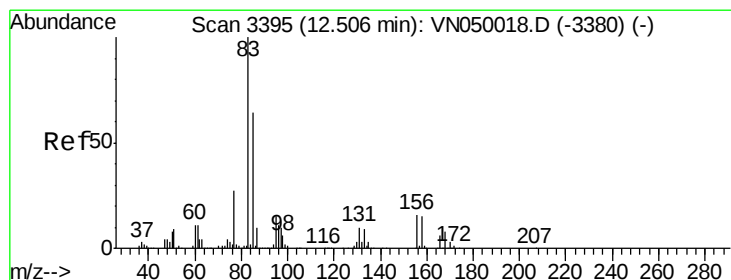
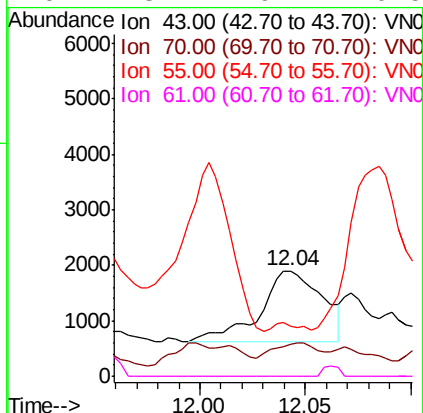
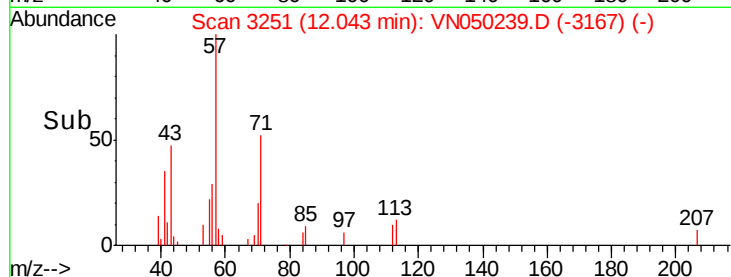
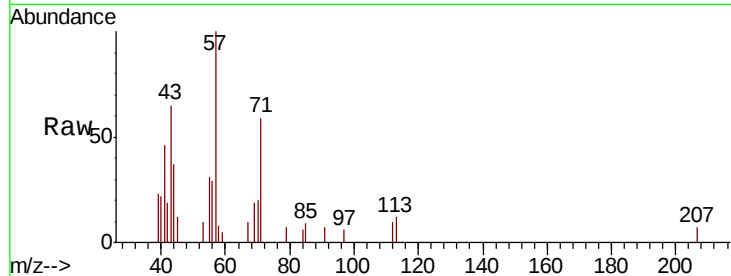
Ion Ratio Lower Upper

43 100

70 13.6 34.4 51.6#

55 0.0 20.8 31.2#

61 3.7 19.7 29.5#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.46 min Scan# 3381

Delta R.T. -0.04 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

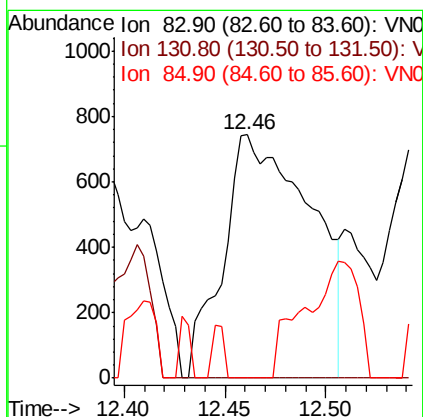
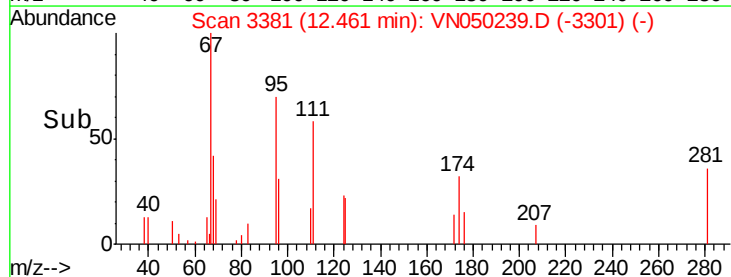
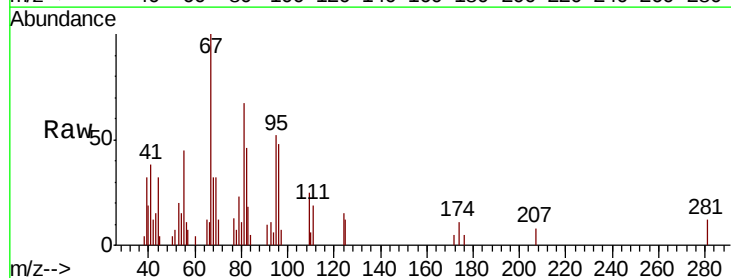
Tgt Ion: 83 Resp: 2251

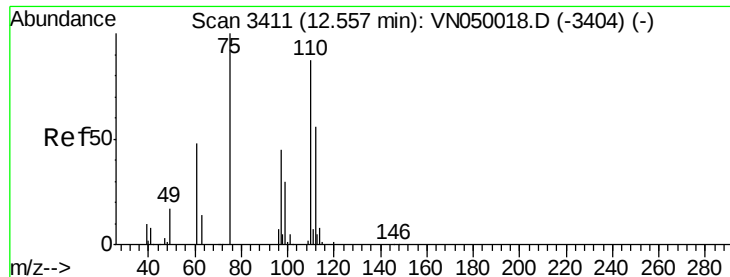
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 2.8 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 29.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

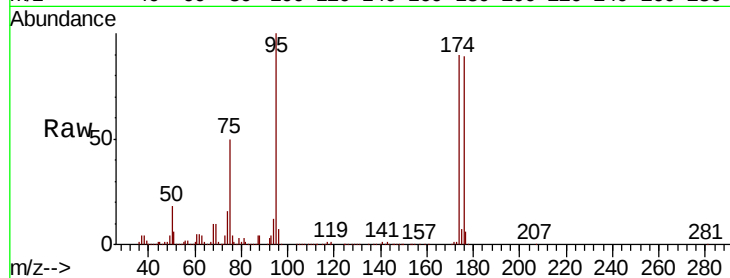
ClientSampled :

Tot Ion: 75 Resp: 218206

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

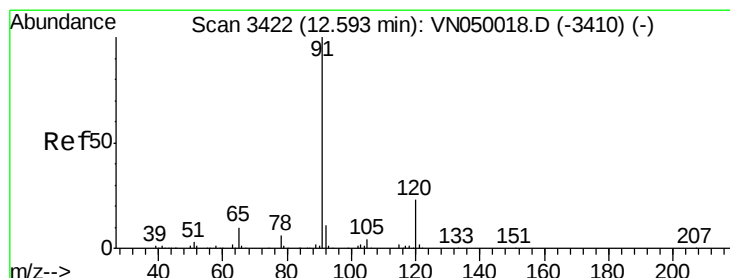
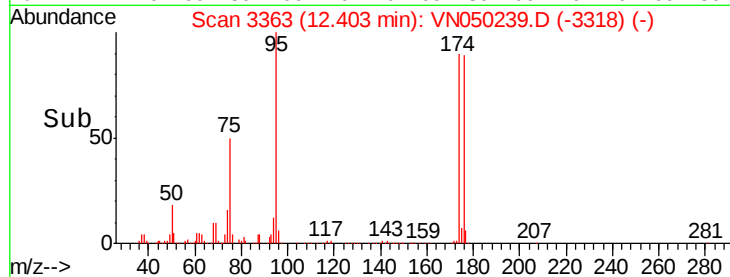
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 1.19 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050239.D

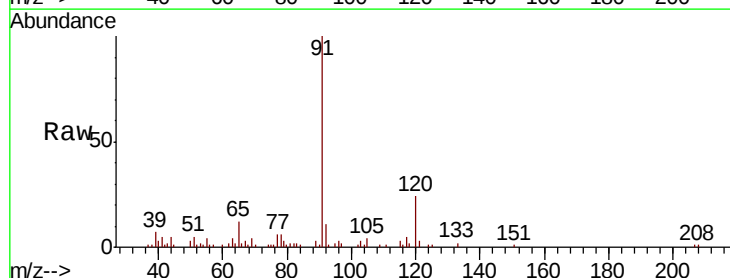
Acq: 1 Aug 2018 11:00

Tgt Ion: 91 Resp: 41088

Ion Ratio Lower Upper

91 100

120 24.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

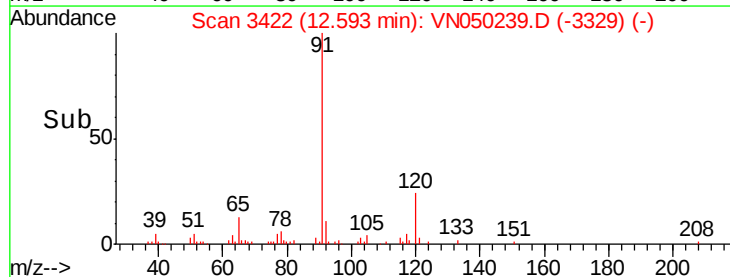
15000

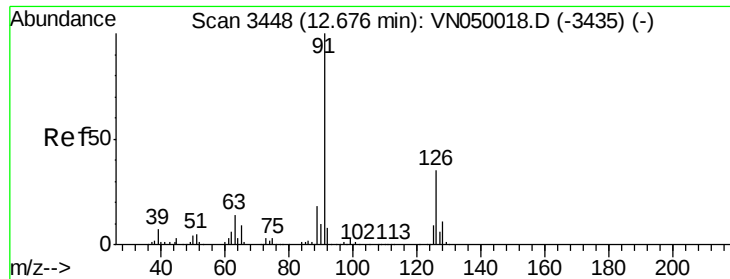
10000

5000

0

Time-->

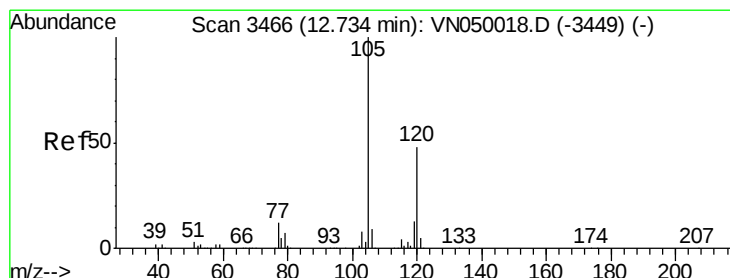
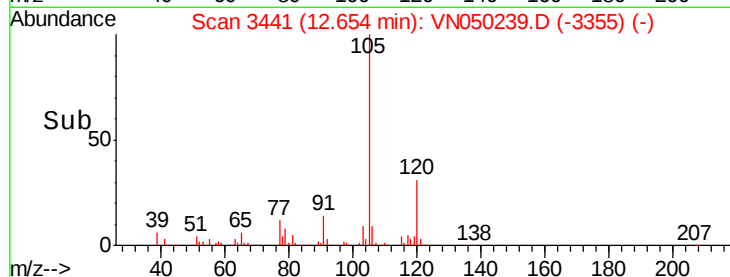
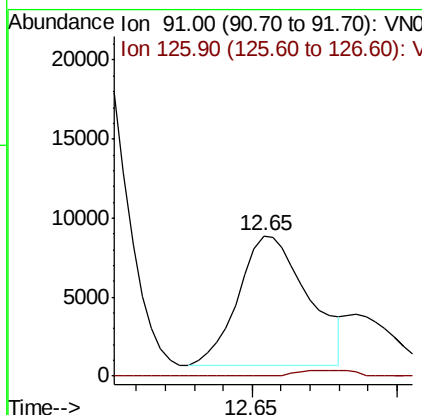
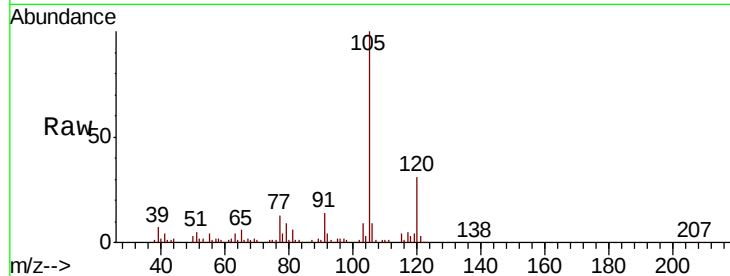




#79
 2-Chlorotoluene
 Concen: 0.64 ug/l
 RT: 12.65 min Scan# 3441
 Delta R.T. -0.02 min
 Lab File: VN050239.D
 Acq: 1 Aug 2018 11:00

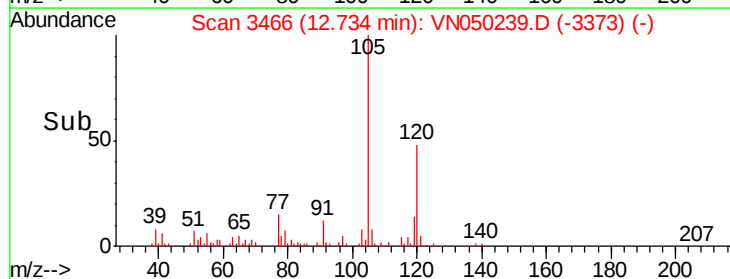
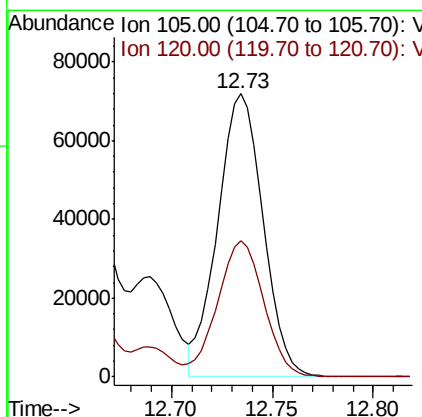
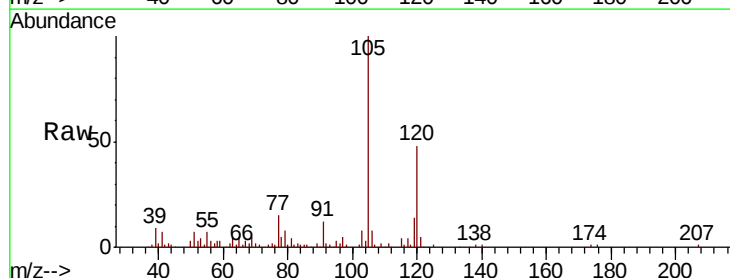
Instrument :
 MSVOA_N
 ClientSampled :

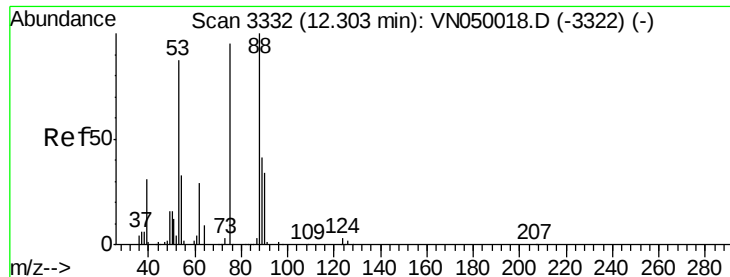
Tot Ion: 91 Resp: 13701
 Ion Ratio Lower Upper
 91 100
 126 3.4 17.6 52.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.66 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050239.D
 Acq: 1 Aug 2018 11:00

Tgt Ion: 105 Resp: 112988
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 93.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampleId :

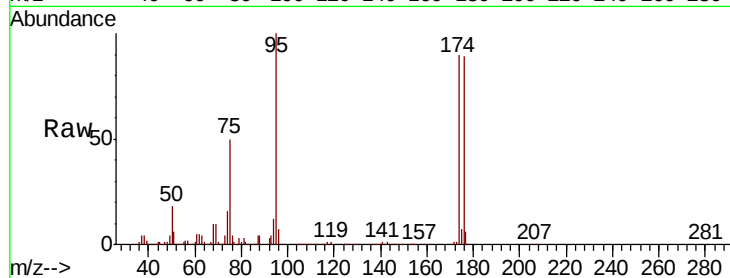
Tot Ion: 75 Resp: 218206

Ion Ratio Lower Upper

75 100

53 0.5 73.5 110.3#

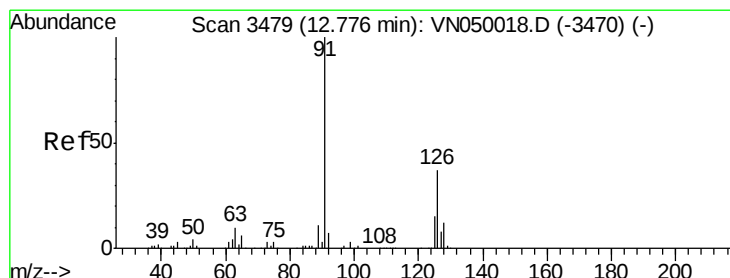
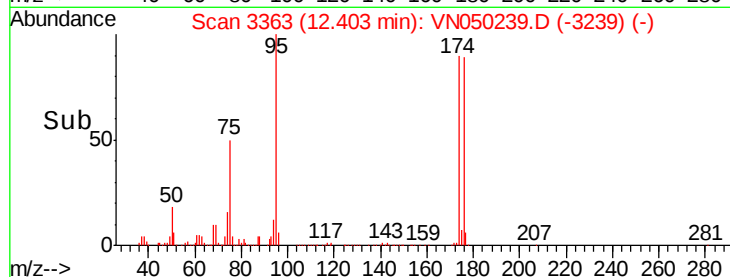
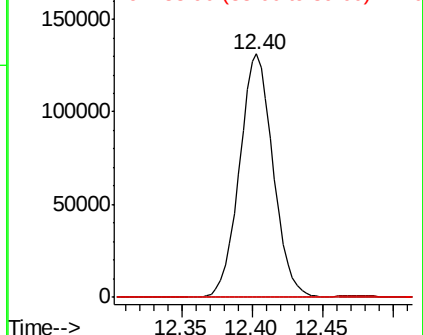
89 0.0 36.0 54.0#



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: 0.45 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050239.D

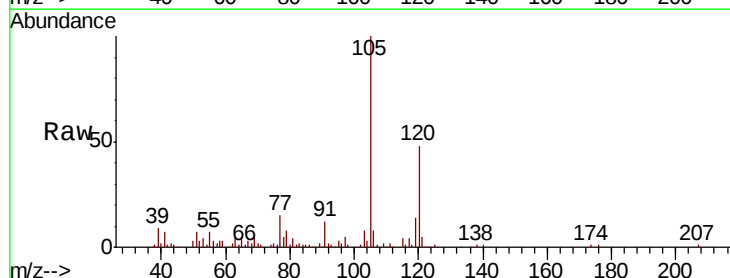
Acq: 1 Aug 2018 11:00

Tgt Ion: 91 Resp: 9585

Ion Ratio Lower Upper

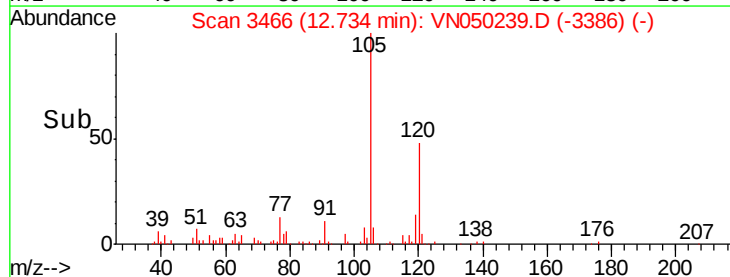
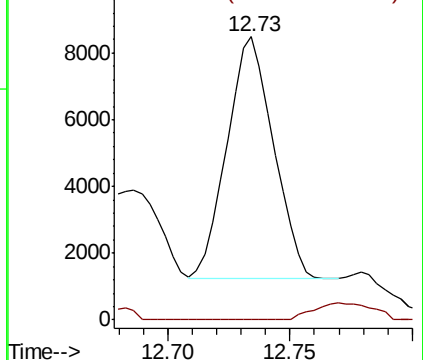
91 100

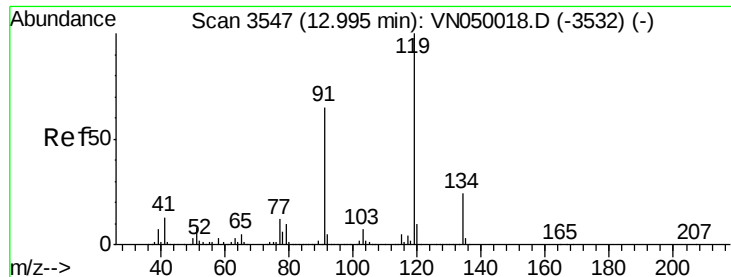
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

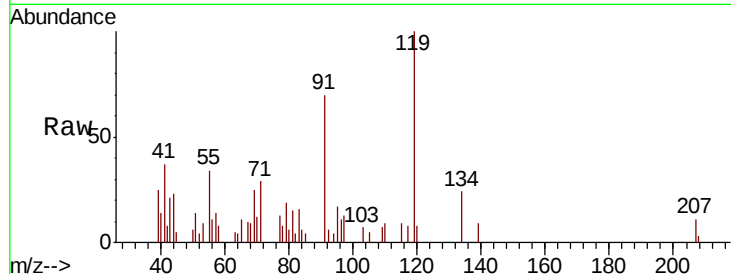




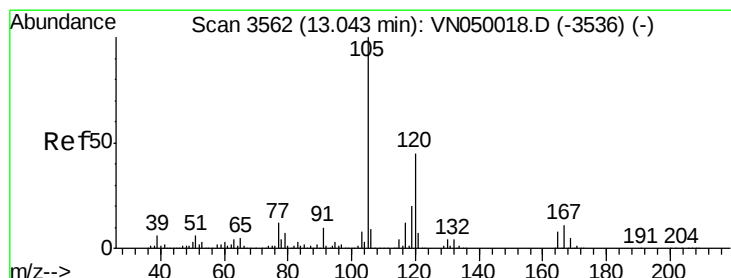
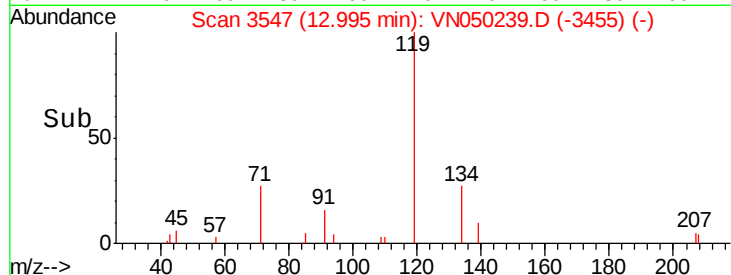
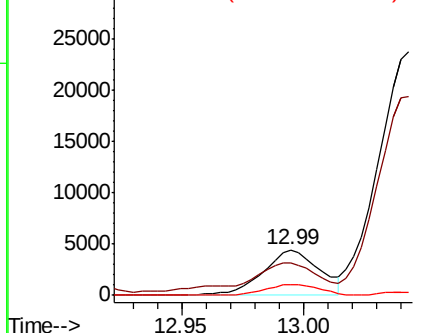
#83
 tert-Butylbenzene
 Concen: 0.33 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050239.D
 Acq: 1 Aug 2018 11:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 7083
 Ion Ratio Lower Upper
 119 100
 91 68.1 32.1 96.3
 134 23.0 13.2 39.5

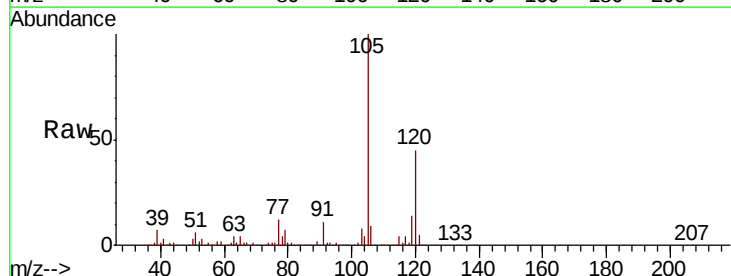


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

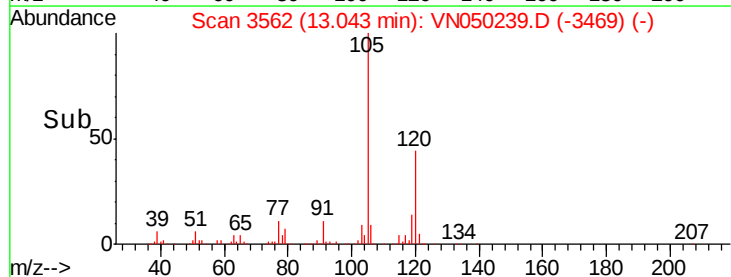
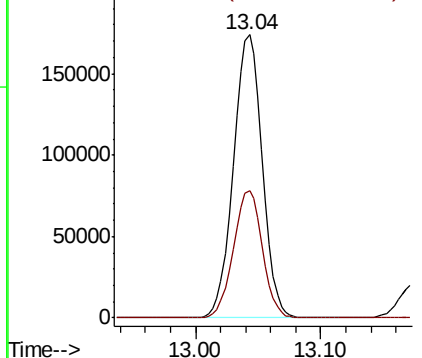


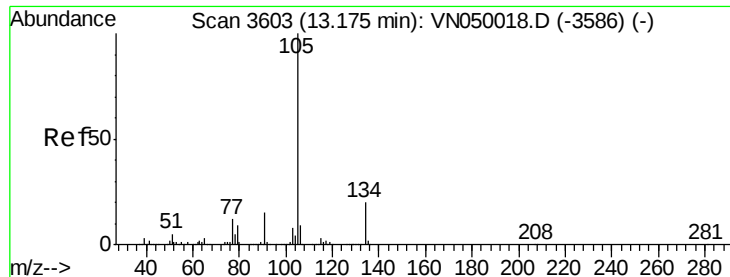
#84
 1,2,4-Trimethylbenzene
 Concen: 11.26 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050239.D
 Acq: 1 Aug 2018 11:00

Tgt Ion:105 Resp: 275314
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 1.18 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

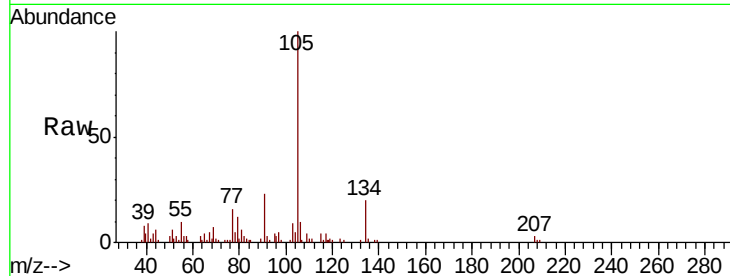
ClientSampled :

Tot Ion:105 Resp: 33364

Ion Ratio Lower Upper

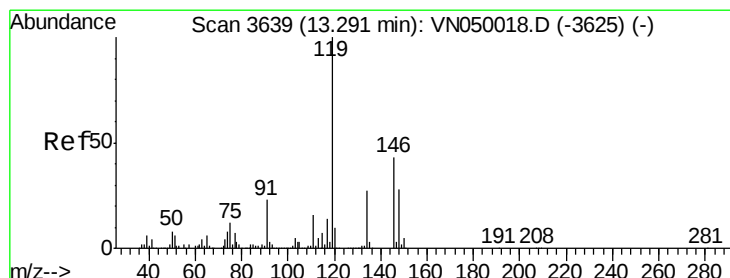
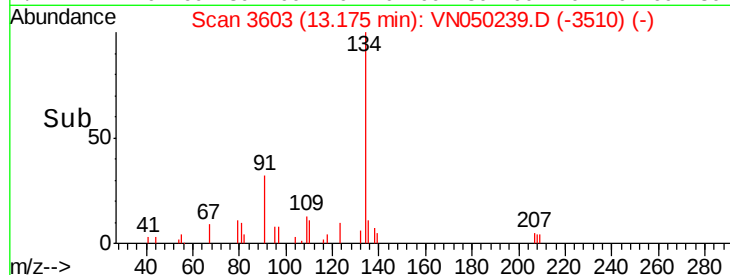
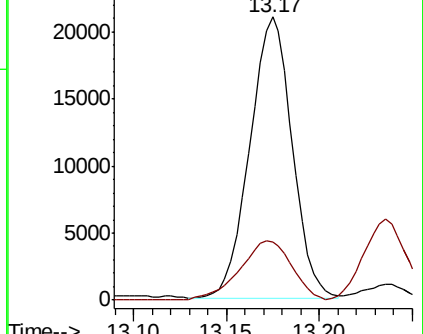
105 100

134 25.8 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.42 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

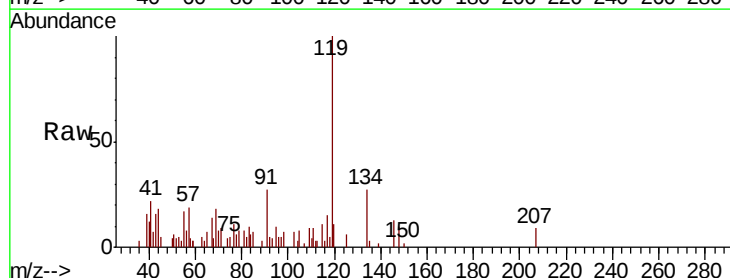
Tgt Ion:119 Resp: 9957

Ion Ratio Lower Upper

119 100

134 28.0 13.3 39.8

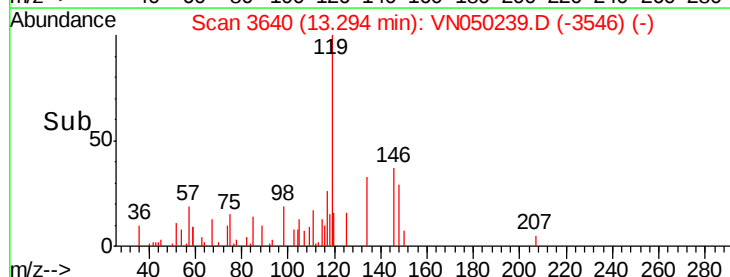
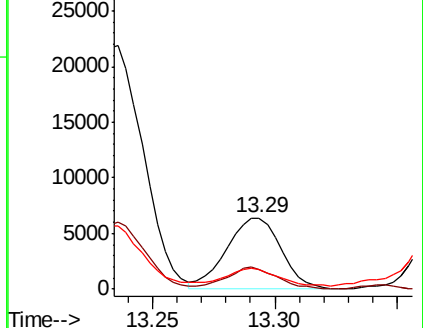
91 21.8 11.4 34.2

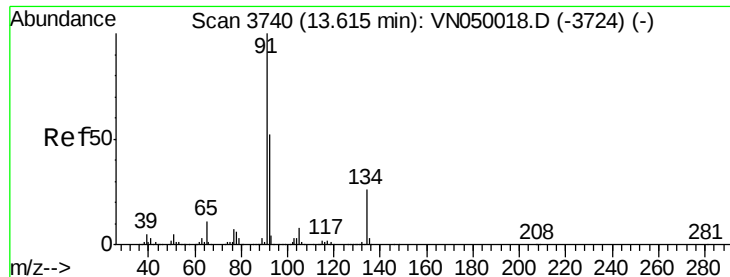


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 2.31 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. -0.03 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampled :

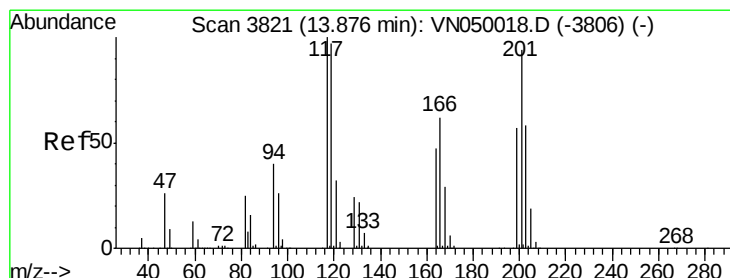
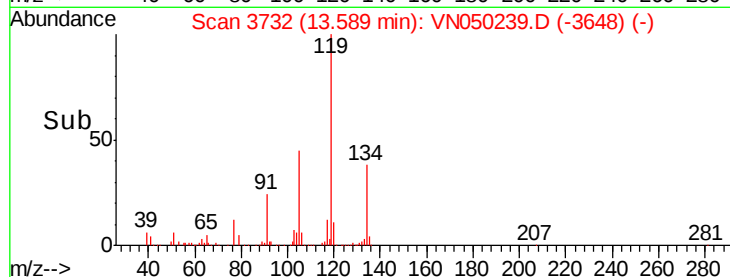
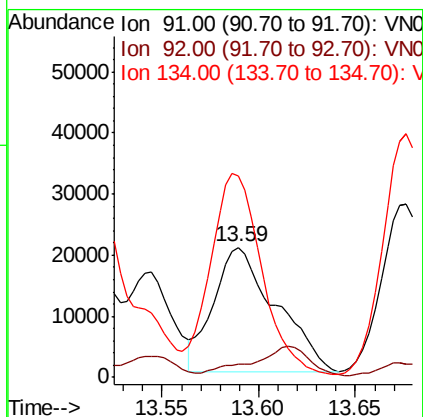
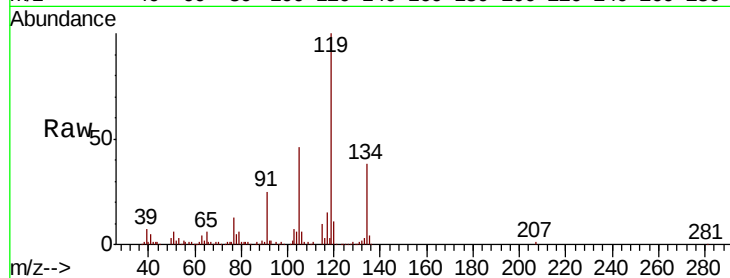
Tot Ion: 91 Resp: 45344

Ion Ratio Lower Upper

91 100

92 0.0 25.8 77.4#

134 133.3 12.8 38.4#



#90

Hexachloroethane

Concen: 10.10 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN050239.D

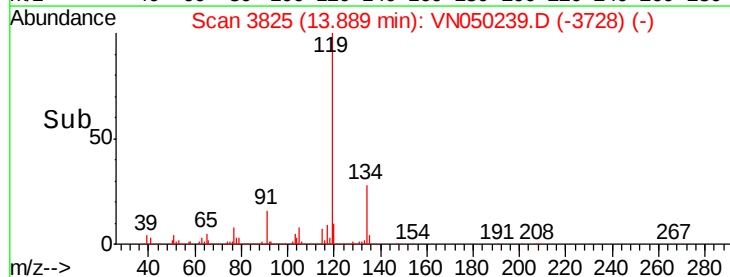
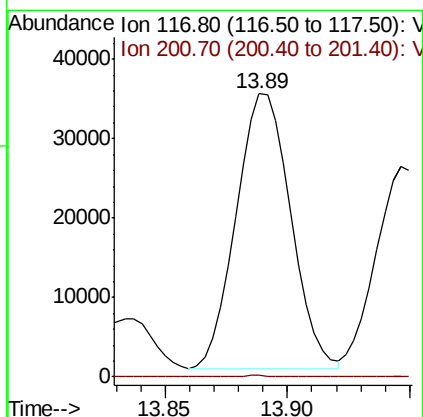
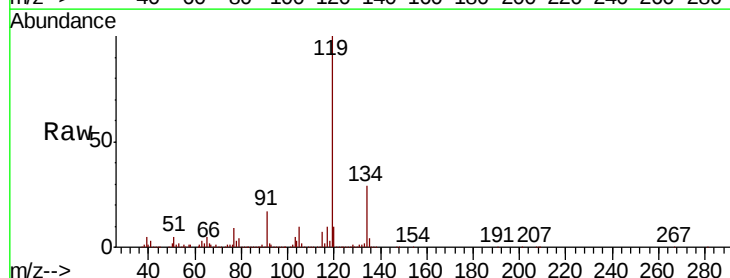
Acq: 1 Aug 2018 11:00

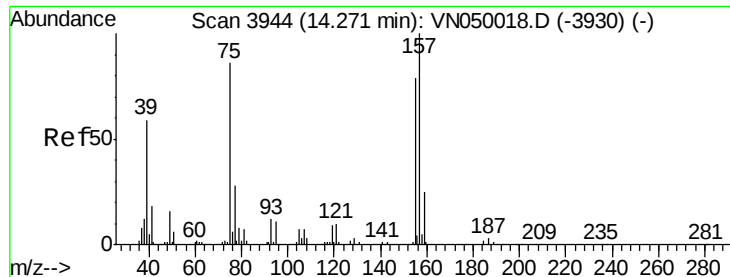
Tgt Ion: 117 Resp: 53480

Ion Ratio Lower Upper

117 100

201 0.1 45.6 136.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.30 min Scan# 3952

Delta R.T. 0.03 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampled :

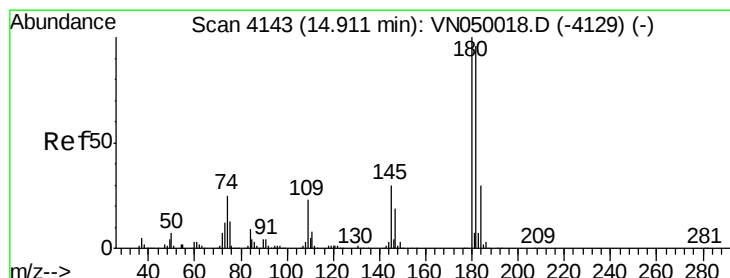
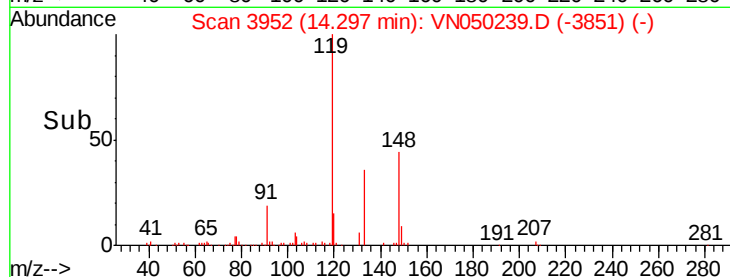
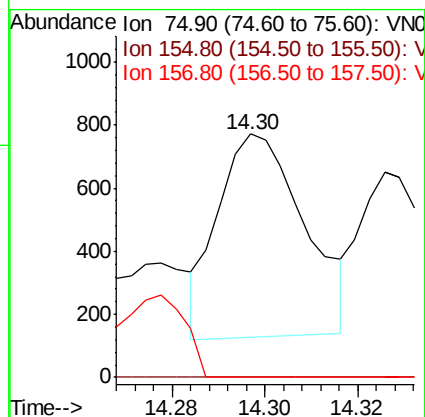
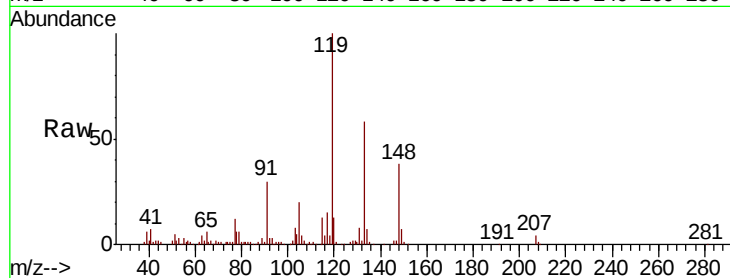
Tot Ion: 75 Resp: 830

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 28.7 57.2 171.6#



#93

1,2,4-Trichlorobenzene

Concen: 3.78 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

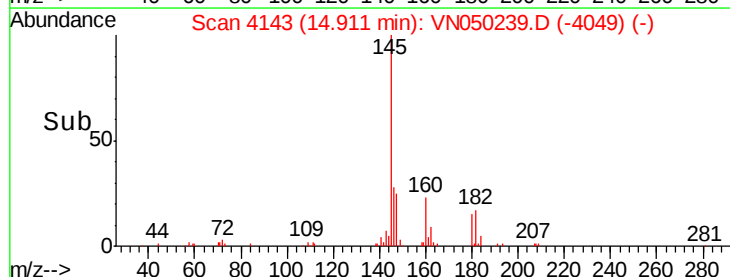
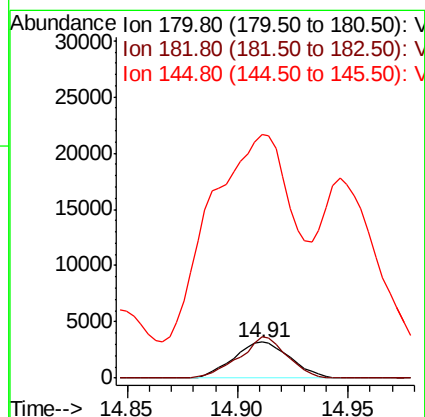
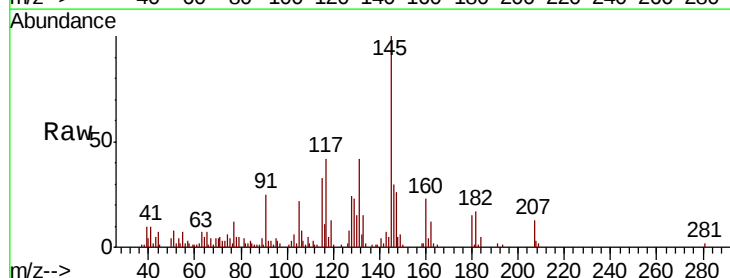
Tgt Ion: 180 Resp: 5678

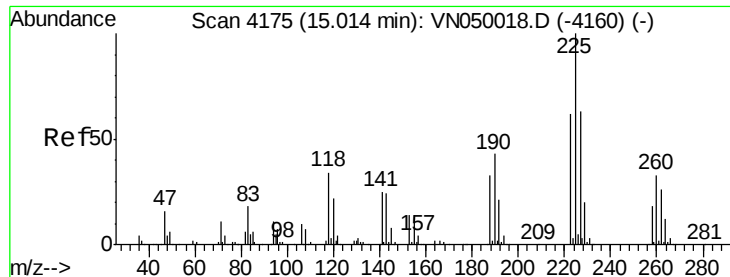
Ion Ratio Lower Upper

180 100

182 97.3 46.7 140.1

145 983.5 13.8 41.4#





#94

Hexachlorobutadiene

Concen: 0.29 ug/l

RT: 15.01 min Scan# 4173

Delta R.T. -0.01 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

Instrument :

MSVOA_N

ClientSampleId :

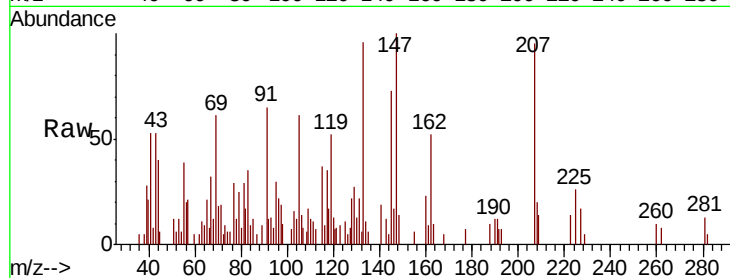
Tot Ion:225 Resp: 1288

Ion Ratio Lower Upper

225 100

223 55.7 31.4 94.2

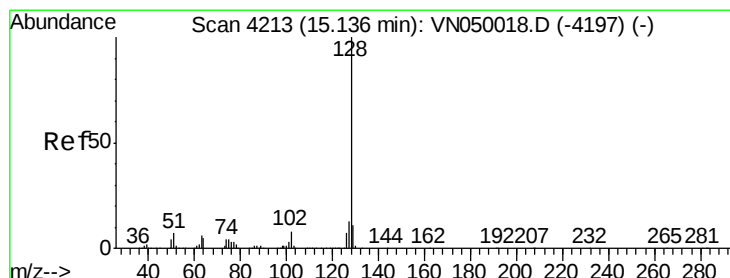
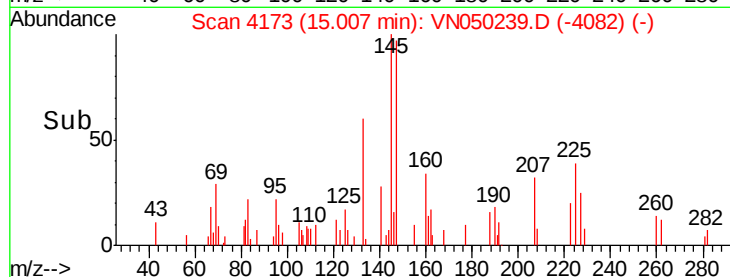
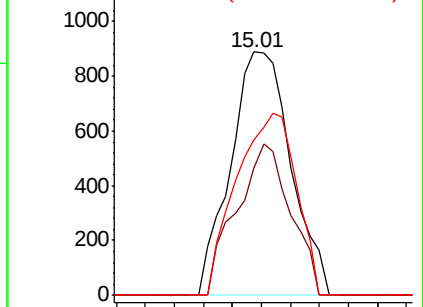
227 74.1 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 8.97 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050239.D

Acq: 1 Aug 2018 11:00

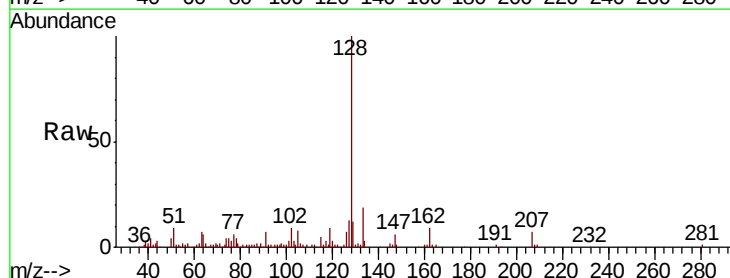
Tgt Ion:128 Resp: 90673

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

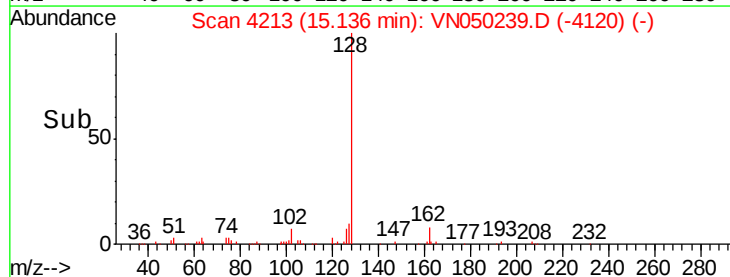
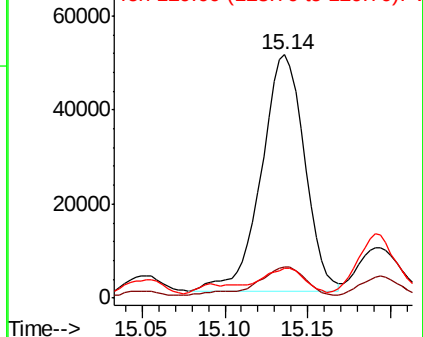
129 9.3 8.8 13.2

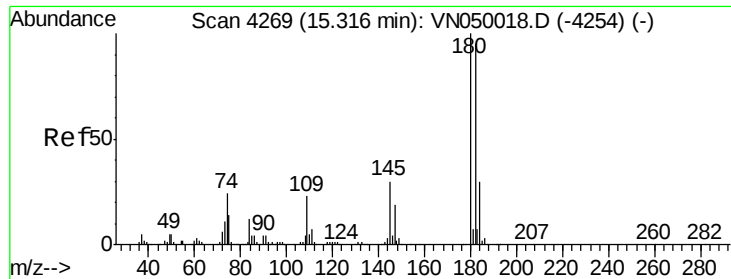


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

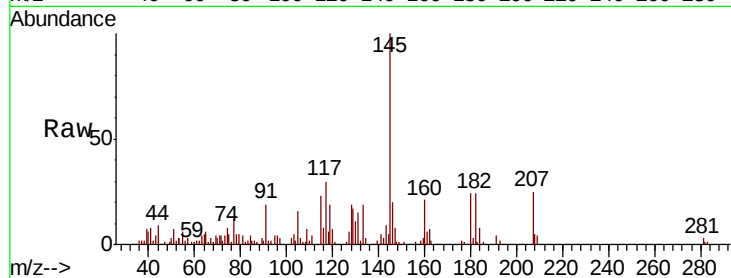




#96
 1,2,3-Trichlorobenzene
 Concen: 3.04 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050239.D
 Acq: 1 Aug 2018 11:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.8	48.1	144.4
145	0.0	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

