

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051304.D
 Acq On : 18 Sep 2018 17:53
 Operator : MD\SY
 Sample : J4951-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB48380RT

Quant Time: Sep 19 01:20:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	635337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	522501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	178657	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	227221	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	7.59	113	240078	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.09	98	822203	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	
62) 4-Bromofluorobenzene	12.40	95	223507	38.51	ug/l	0.00
Spiked Amount			Recovery	=	77.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1911	Below Cal		97
5) Bromomethane	2.57	94	1868	1.109	ug/l	83
10) Methyl Iodide	3.96	142	232	6.154	ug/l #	43
16) Acetone	3.82	43	29728	21.139	ug/l	96
18) Methyl Acetate	4.34	43	12796	3.521	ug/l #	64
20) Methylene Chloride	4.56	84	163664	33.469	ug/l	97
25) 2-Butanone	6.85	43	5467	3.820	ug/l #	74
28) Bromochloromethane	7.37	49	754	0.215	ug/l #	6
29) Tetrahydrofuran	7.22	42	1190	1.345	ug/l #	86
30) Chloroform	7.38	83	24456	3.009	ug/l	97
31) Cyclohexane	7.66	56	6525	0.839	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26035	3.786	ug/l #	49
38) Carbon Tetrachloride	7.67	117	35237	4.914	ug/l #	15
41) Methacrylonitrile	7.22	41	509	0.281	ug/l #	30
43) Isopropyl Acetate	8.17	43	148328	24.246	ug/l #	91
47) Bromodichloromethane	9.41	83	4657	0.691	ug/l #	96
48) Methyl methacrylate	9.18	41	5164	1.753	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	2205	0.699	ug/l	93
52) Toluene	10.16	92	7967	0.650	ug/l	97
56) Ethyl methacrylate	10.23	69	1467	2.319	ug/l #	72
59) 2-Hexanone	10.77	43	4054	1.951	ug/l #	57
67) Ethyl Benzene	11.51	91	18734	0.910	ug/l	97
68) m/p-Xylenes	11.62	106	20806	2.600	ug/l	95
69) o-Xylene	11.95	106	9732	1.276	ug/l	91
70) Styrene	11.97	104	4082	1.539	ug/l #	79
73) Isopropylbenzene	12.25	105	3375	0.224	ug/l	94
76) 1,2,3-Trichloropropane	12.40	75	103075	41.743	ug/l #	100
77) Bromobenzene	12.59	156	35	Below Cal	#	1
78) n-propylbenzene	12.59	91	9666	0.595	ug/l	98
79) 2-Chlorotoluene	12.65	91	5304	0.513	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	13489	1.120	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	103075	128.140	ug/l #	15
83) tert-Butylbenzene	13.24	119	2784	0.262	ug/l	66
84) 1,2,4-Trimethylbenzene	13.04	105	40937	3.499	ug/l	98

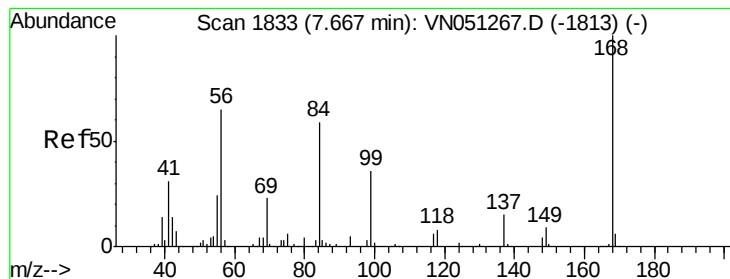
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	3020	0.223	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	136	0.433	ug/l #	1
89) n-Butylbenzene	13.62	91	1386	2.160	ug/l #	74
90) Hexachloroethane	13.89	117	1307	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.65	146	751	Below Cal	#	77
93) 1,2,4-Trichlorobenzene	14.91	180	1246	5.405	ug/l #	71
95) Naphthalene	15.13	128	75289	17.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	190	3.924	ug/l	66

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

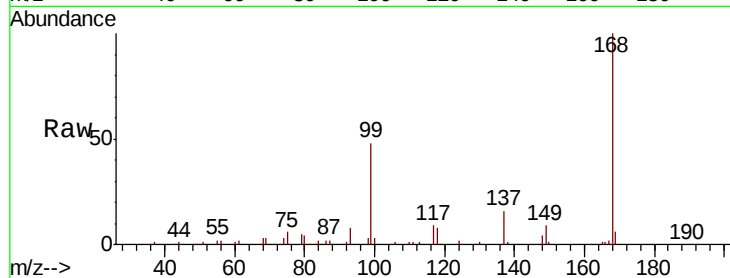
RB48380RT

Tgt Ion:168 Resp: 411096

Ion Ratio Lower Upper

168 100

99 48.1 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

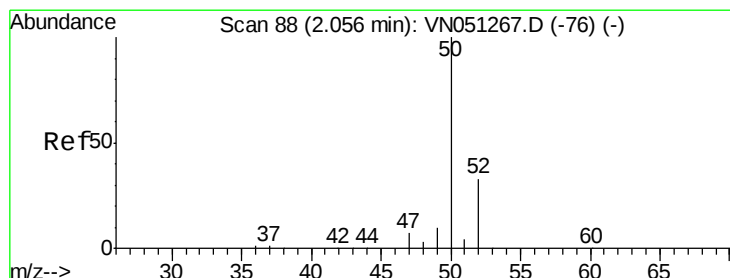
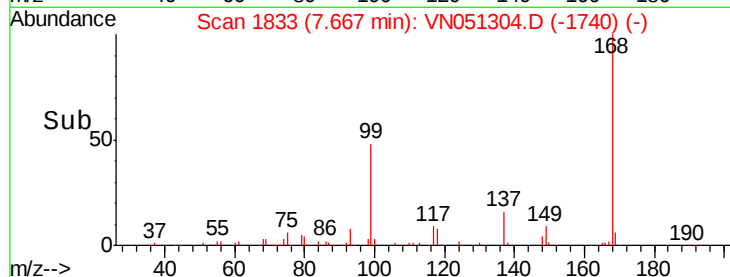
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051304.D

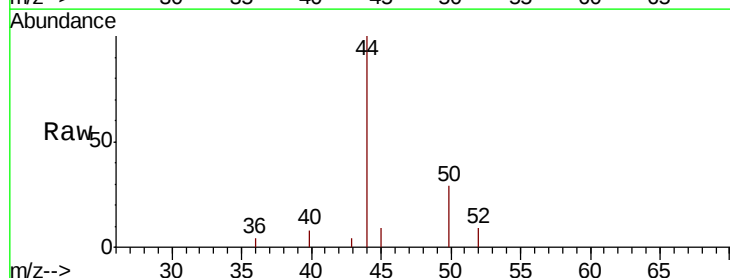
Acq: 18 Sep 2018 17:53

Tgt Ion: 50 Resp: 1911

Ion Ratio Lower Upper

50 100

52 31.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

1500

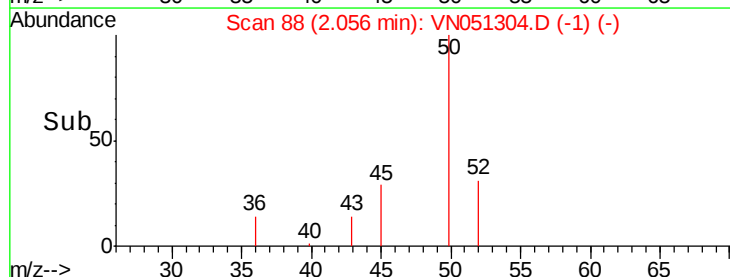
1000

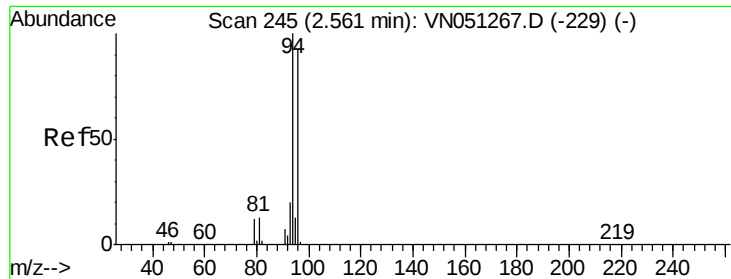
500

0

Time-->

2.05 2.10





#5

Bromomethane

Concen: 1.109 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

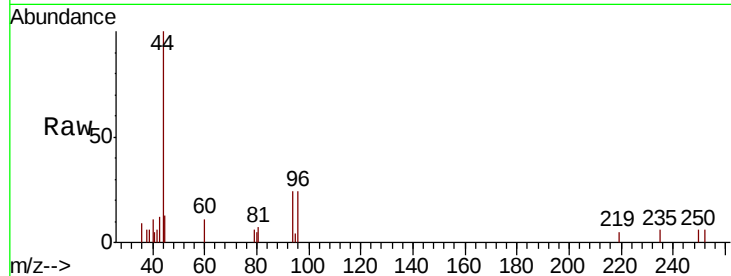
RB48380RT

Tgt Ion: 94 Resp: 1868

Ion Ratio Lower Upper

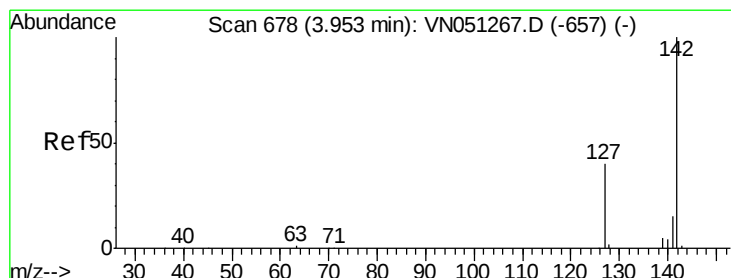
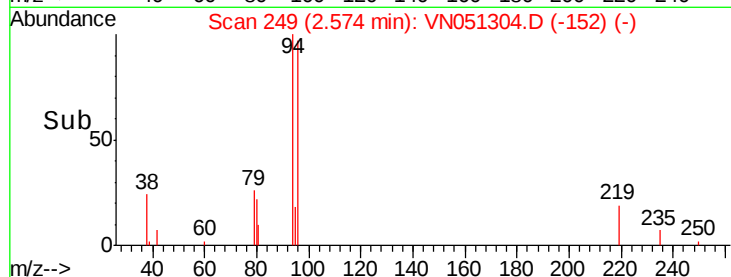
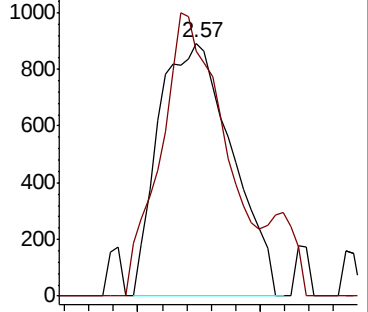
94 100

96 76.2 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051267.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051267.D (-229) (-)



#10

Methyl Iodide

Concen: 6.154 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

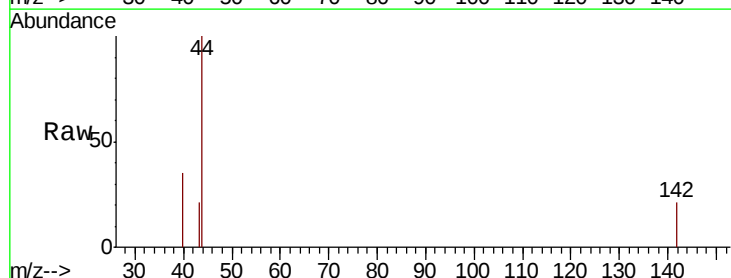
Tgt Ion: 142 Resp: 232

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

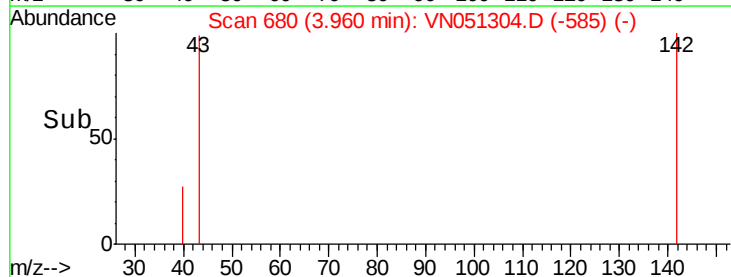
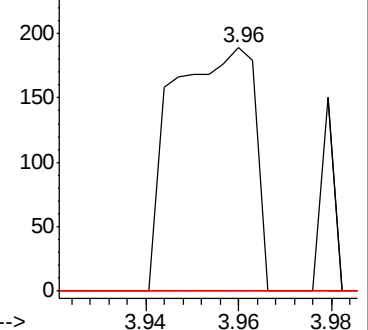
141 0.0 11.6 17.4#

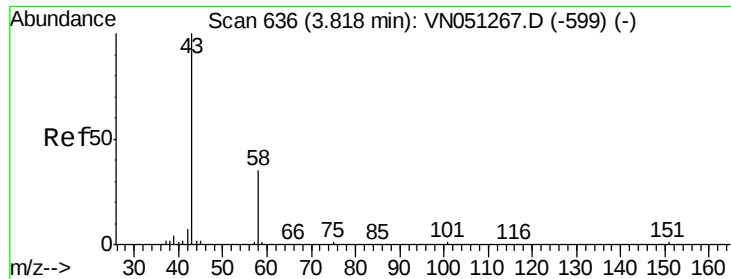


Abundance Ion 141.80 (141.50 to 142.50): VN051267.D (-657) (-)

Ion 126.80 (126.50 to 127.50): VN051267.D (-657) (-)

Ion 140.80 (140.50 to 141.50): VN051267.D (-657) (-)





#16

Acetone

Concen: 21.139 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

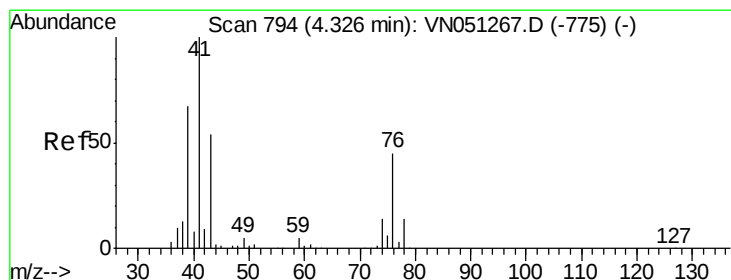
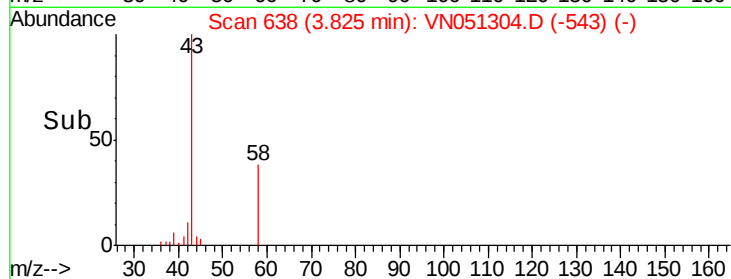
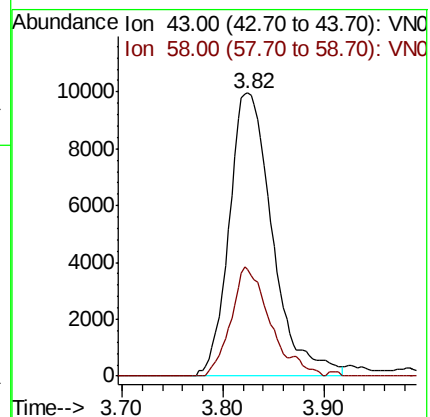
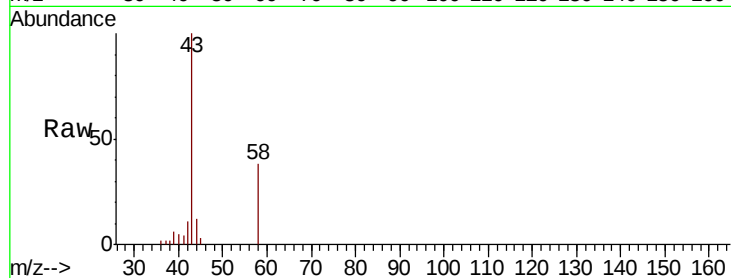
RB48380RT

Tgt Ion: 43 Resp: 29728

Ion Ratio Lower Upper

43 100

58 37.6 28.2 42.2



#18

Methyl Acetate

Concen: 3.521 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051304.D

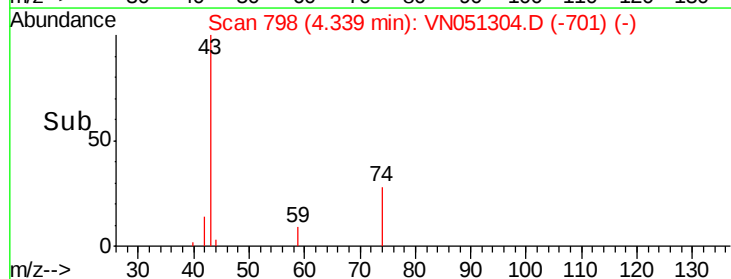
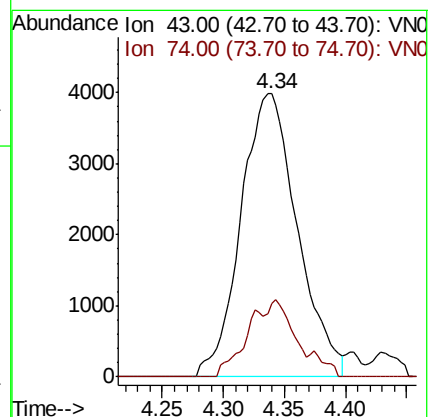
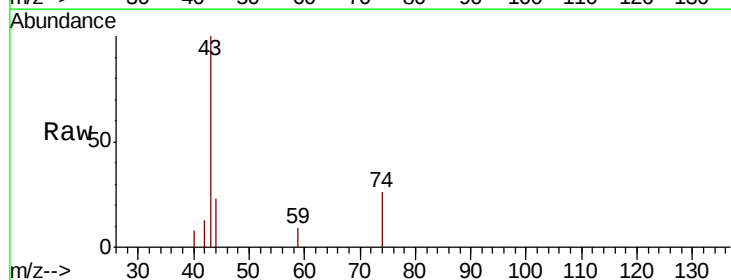
Acq: 18 Sep 2018 17:53

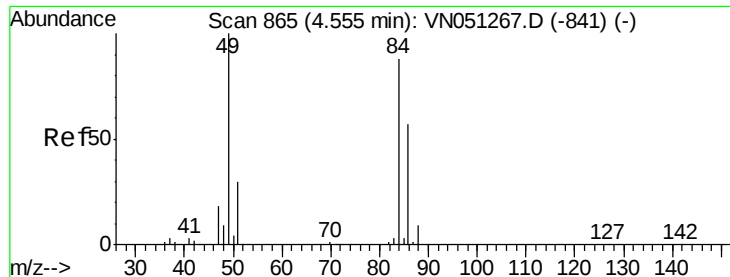
Tgt Ion: 43 Resp: 12796

Ion Ratio Lower Upper

43 100

74 7.6 20.8 31.2#

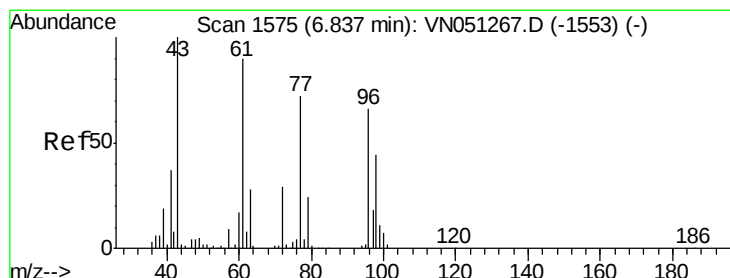
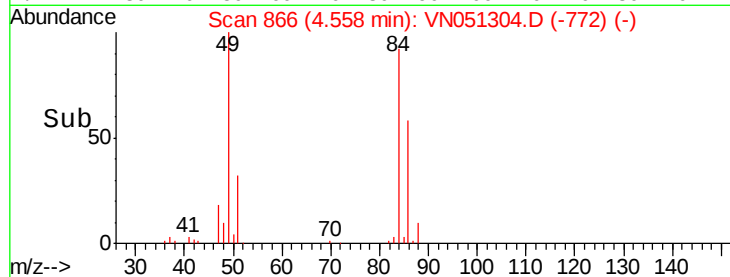
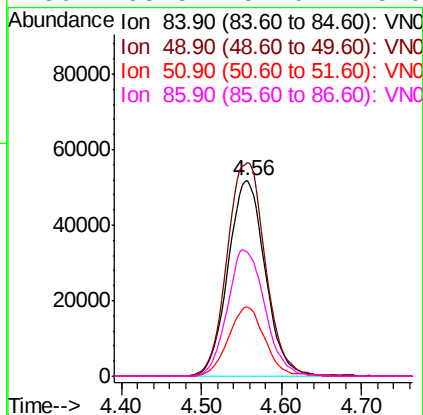
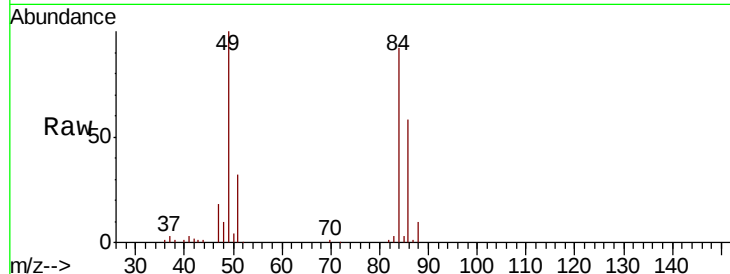




#20
Methylene Chloride
Concen: 33.469 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

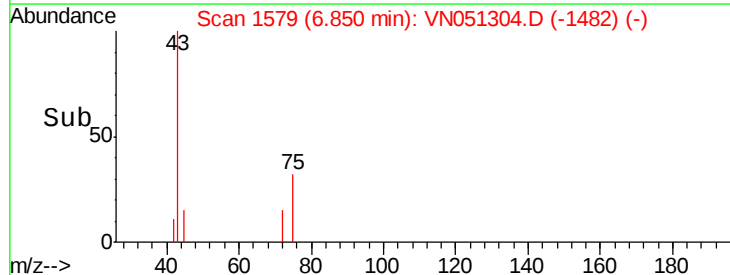
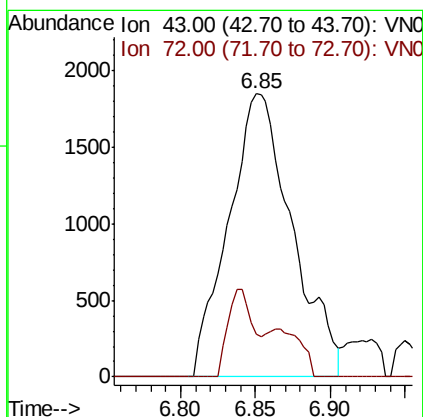
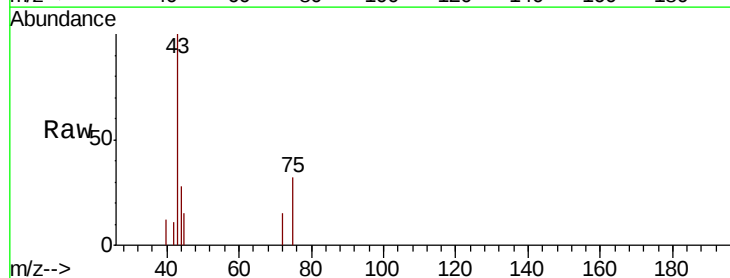
Instrument :
MSVOA_N
ClientSampled :
RB48380RT

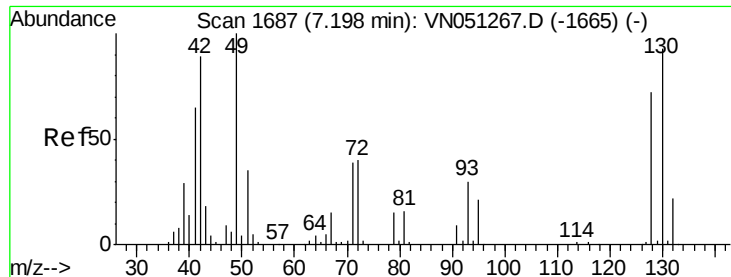
Tgt Ion: 84 Resp: 163664
Ion Ratio Lower Upper
84 100
49 109.3 91.2 136.8
51 35.1 27.7 41.5
86 63.5 52.0 78.0



#25
2-Butanone
Concen: 3.820 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

Tgt Ion: 43 Resp: 5467
Ion Ratio Lower Upper
43 100
72 15.2 23.4 35.0#





#28

Bromochloromethane

Concen: 0.215 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.17 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

RB48380RT

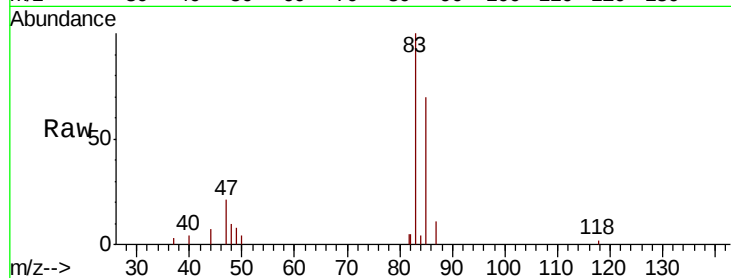
Tgt Ion: 49 Resp: 754

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

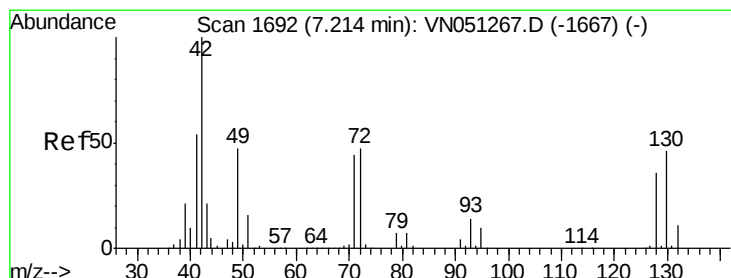
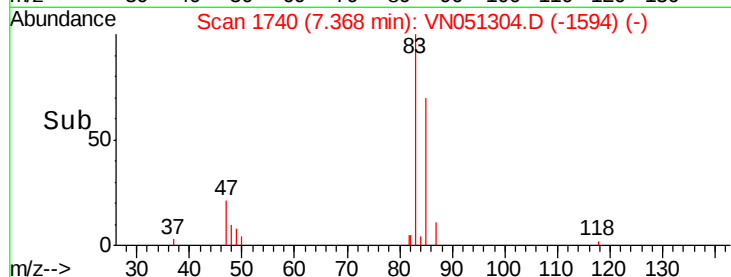
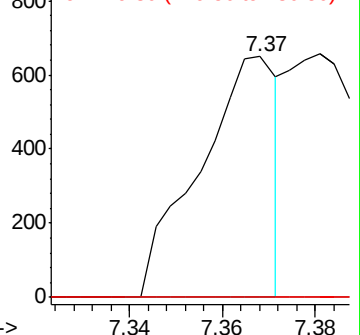
130 0.0 73.7 110.5#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN

Ion 129.80 (129.50 to 130.50): VN



#29

Tetrahydrofuran

Concen: 1.345 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

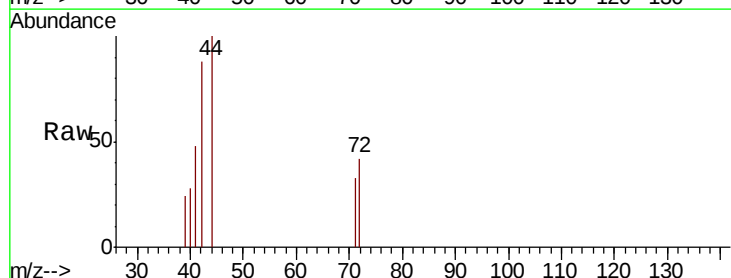
Tgt Ion: 42 Resp: 1190

Ion Ratio Lower Upper

42 100

72 36.8 37.6 56.4#

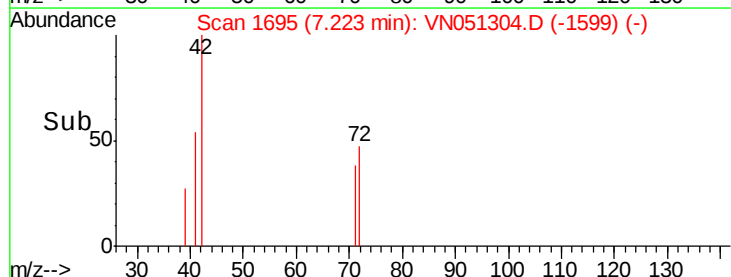
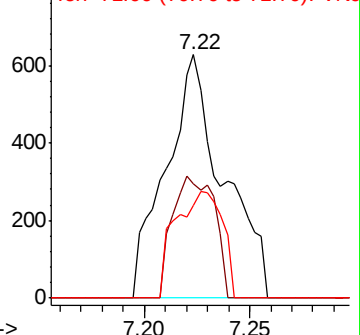
71 35.8 35.4 53.2

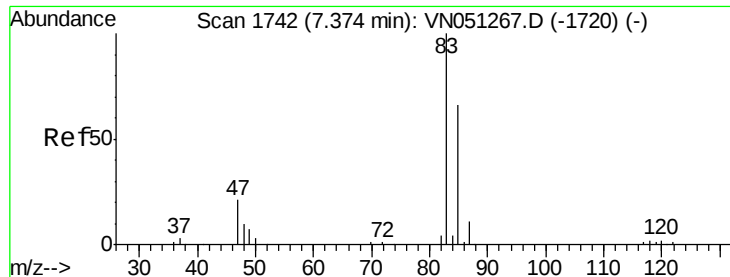


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#30

Chloroform

Concen: 3.009 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

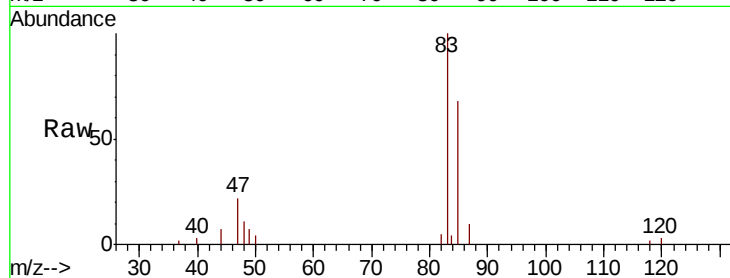
RB48380RT

Tgt Ion: 83 Resp: 24456

Ion Ratio Lower Upper

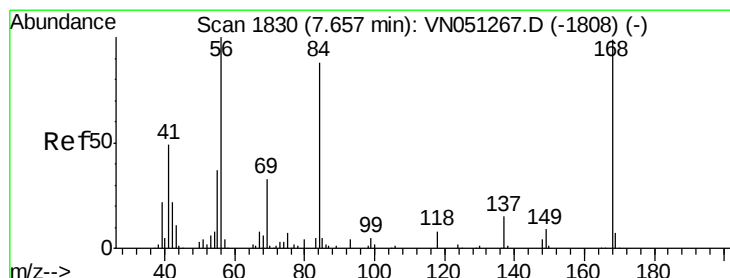
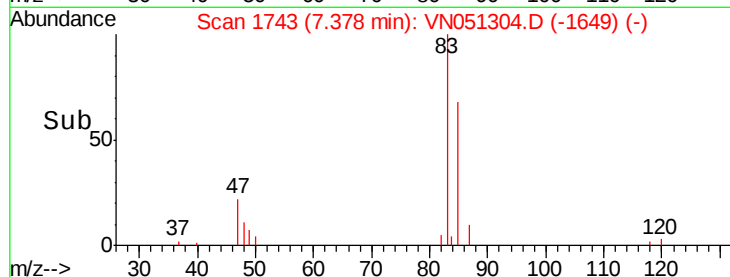
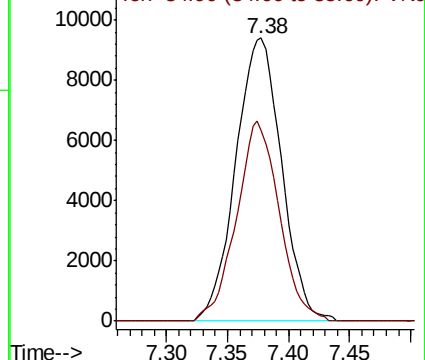
83 100

85 67.6 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: 0.839 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

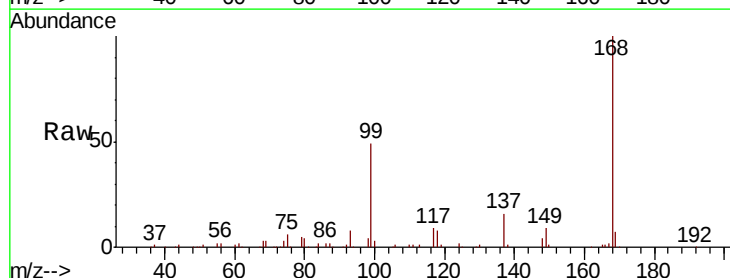
Tgt Ion: 56 Resp: 6525

Ion Ratio Lower Upper

56 100

69 192.1 26.2 39.2#

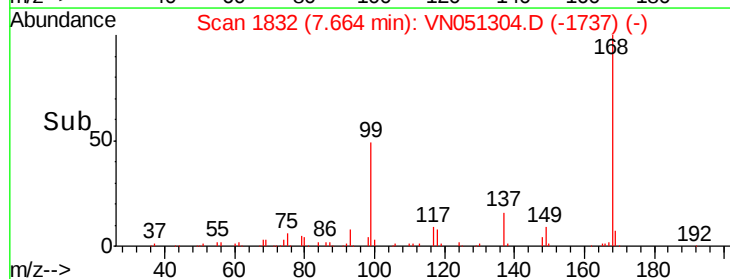
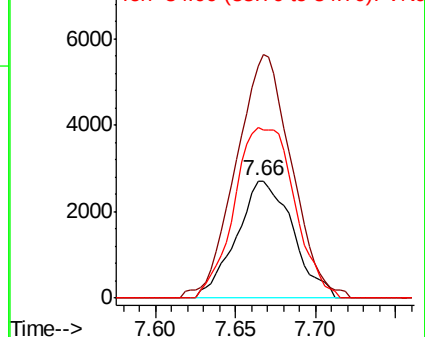
84 145.6 70.6 106.0#

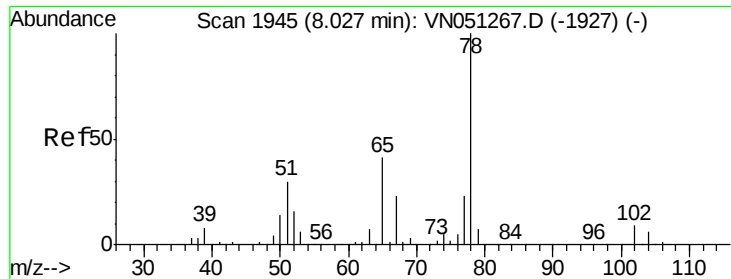


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

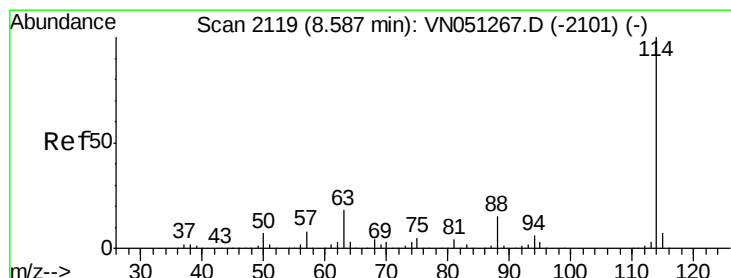
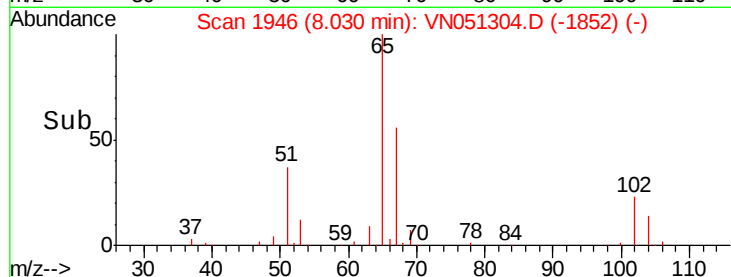
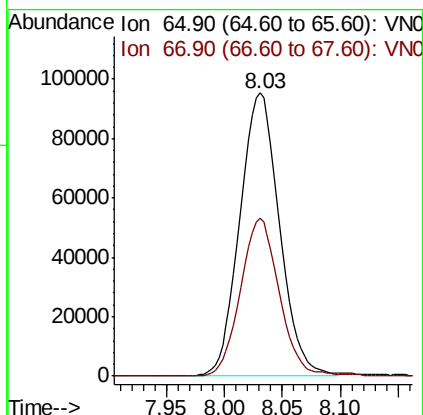
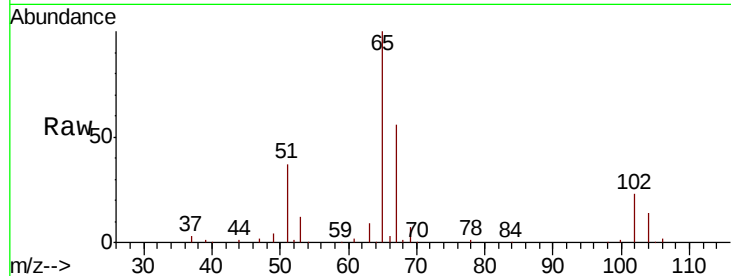




#33
 1,2-Dichloroethane-d4
 Concen: 50.858 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

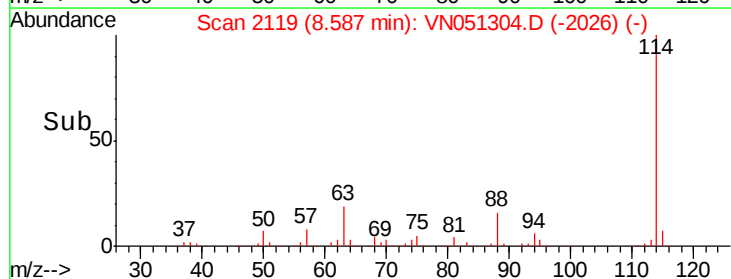
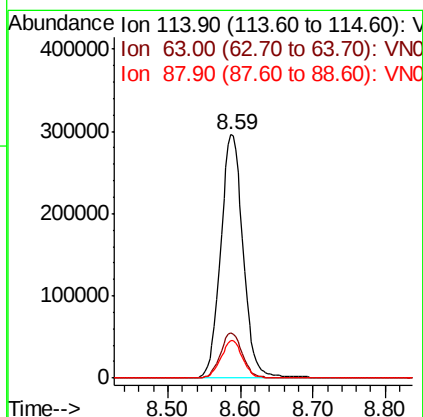
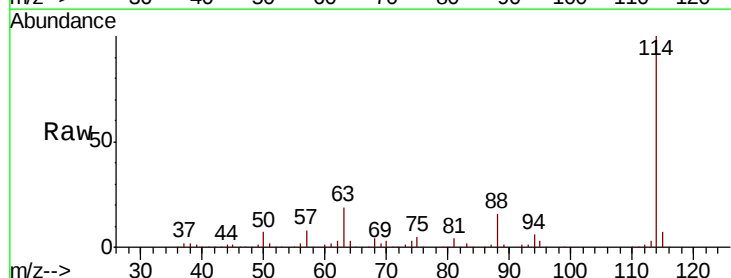
Instrument :
 MSVOA_N
 ClientSampled :
 RB48380RT

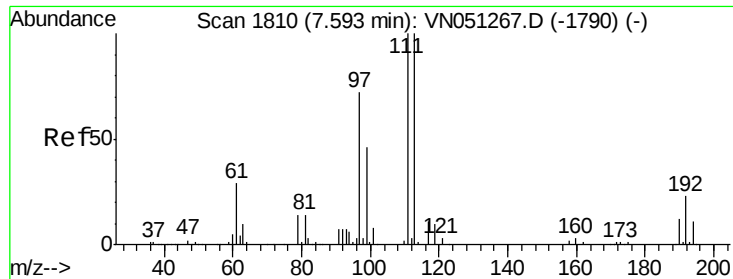
Tgt Ion: 65 Resp: 227221
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

Tgt Ion: 114 Resp: 635337
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 15.6 0.0 30.8

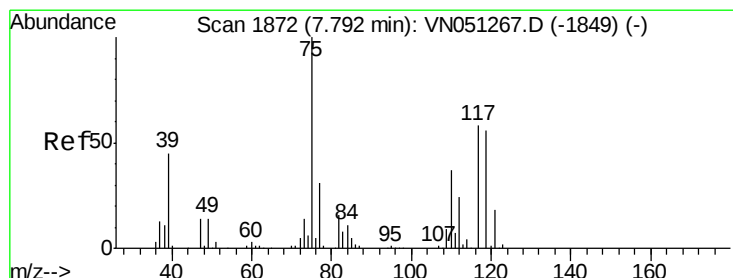
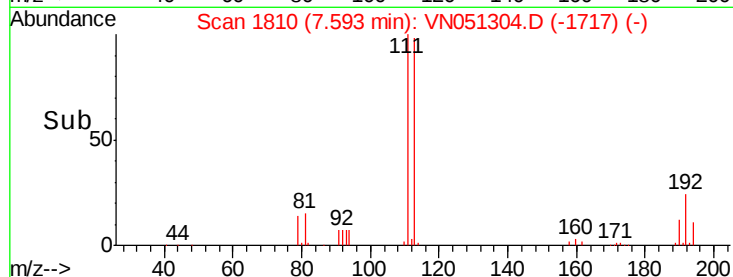
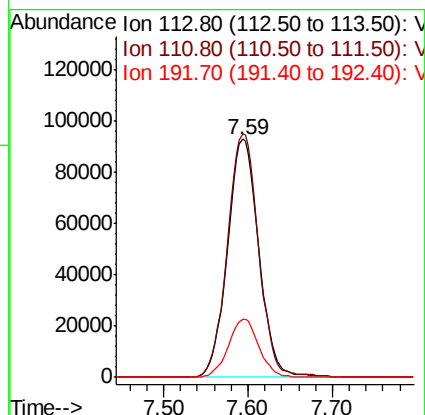
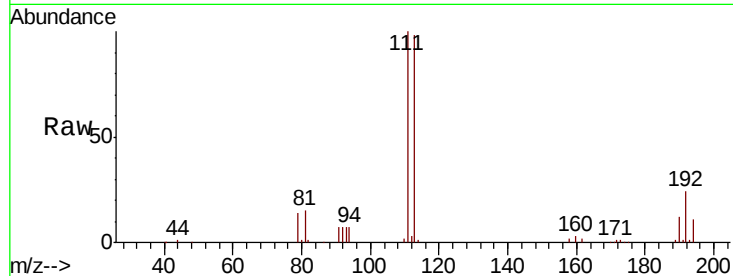




#35
 Dibromofluoromethane
 Concen: 48.627 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

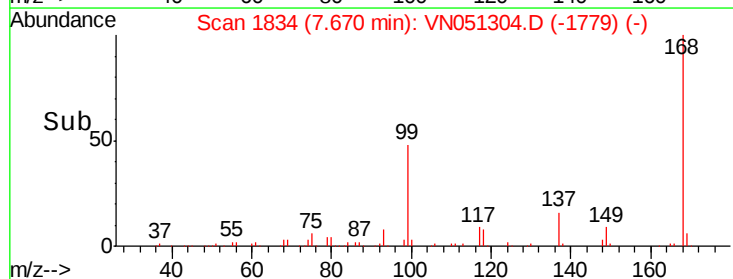
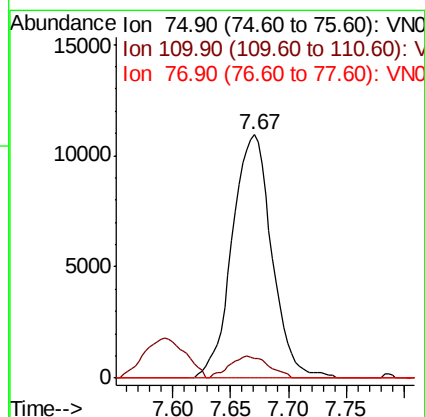
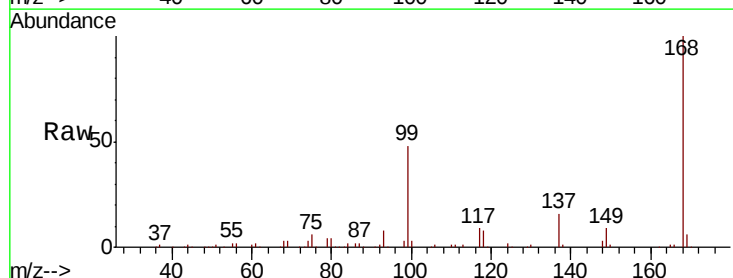
Instrument :
 MSVOA_N
 ClientSampleId :
 RB48380RT

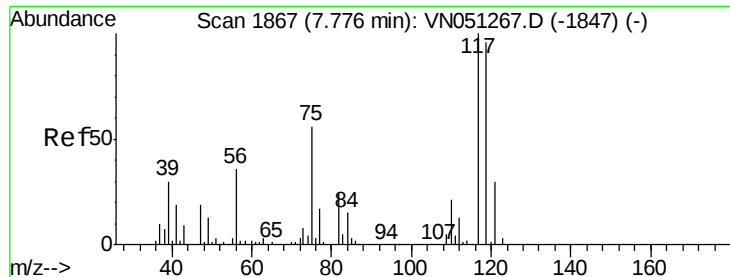
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	23.8	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 3.786 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.6	56.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 4.914 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

RB48380RT

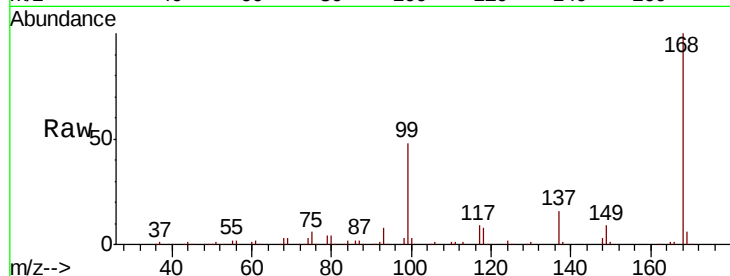
Tgt Ion: 117 Resp: 35237

Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

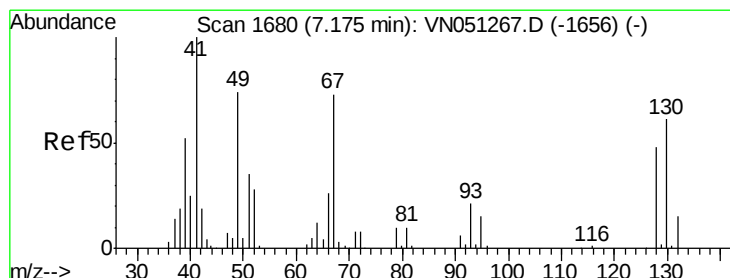
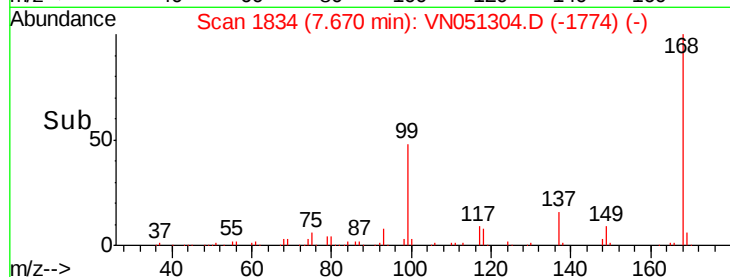
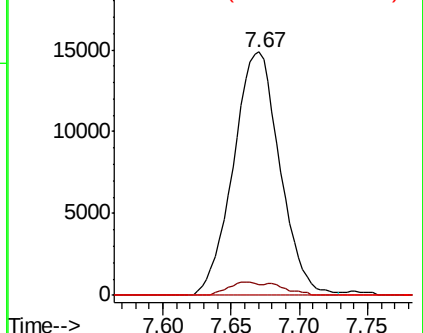
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.281 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.05 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Tgt Ion: 41 Resp: 509

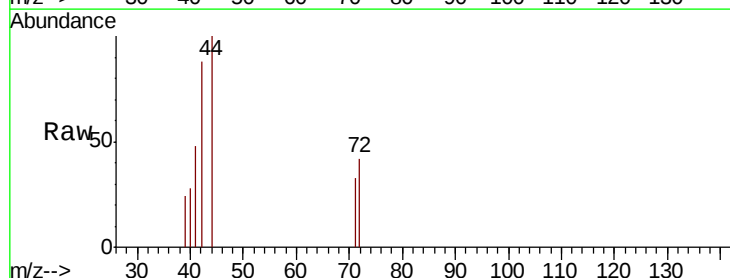
Ion Ratio Lower Upper

41 100

39 27.9 47.8 71.6#

67 0.0 69.8 104.6#

52 0.0 26.6 40.0#

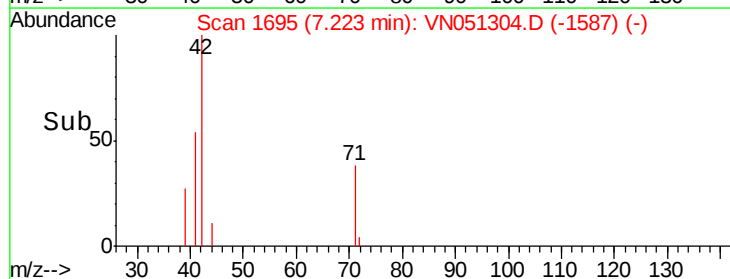
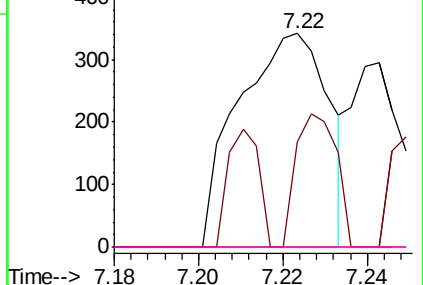


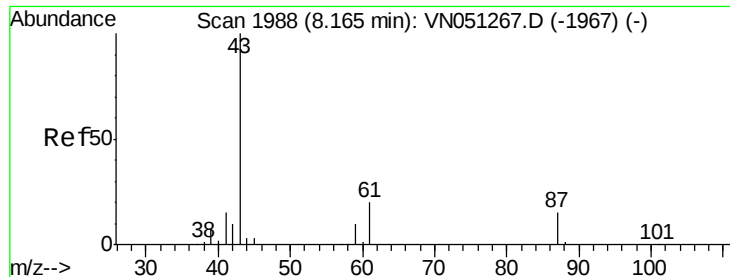
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 24.246 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

RB48380RT

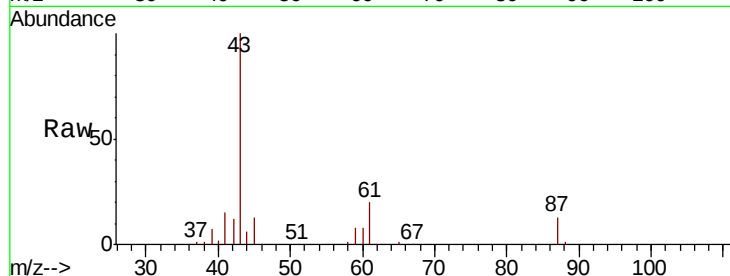
Tgt Ion: 43 Resp: 148328

Ion Ratio Lower Upper

43 100

61 17.6 17.4 26.2

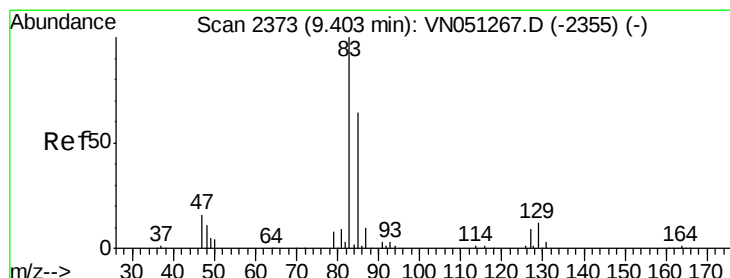
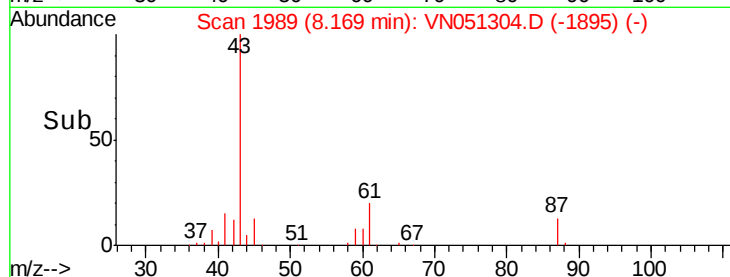
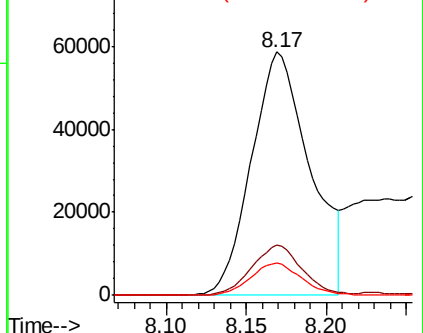
87 11.5 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051267.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051267.D (-1967) (-)



#47

Bromodichloromethane

Concen: 0.691 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

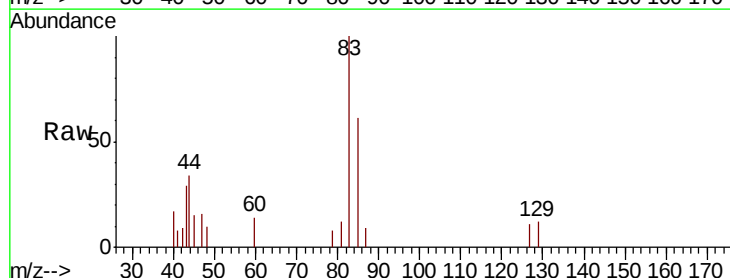
Tgt Ion: 83 Resp: 4657

Ion Ratio Lower Upper

83 100

85 60.7 51.0 76.4

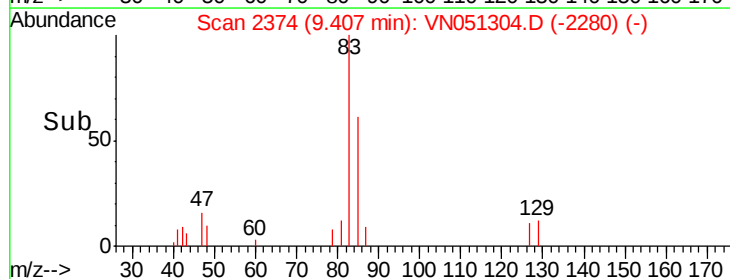
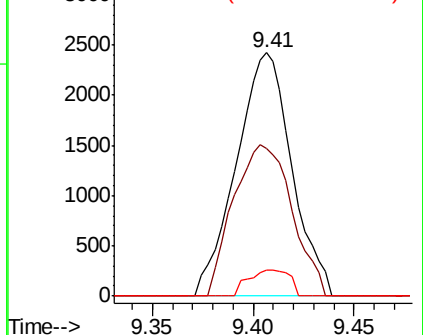
127 10.8 7.1 10.7#

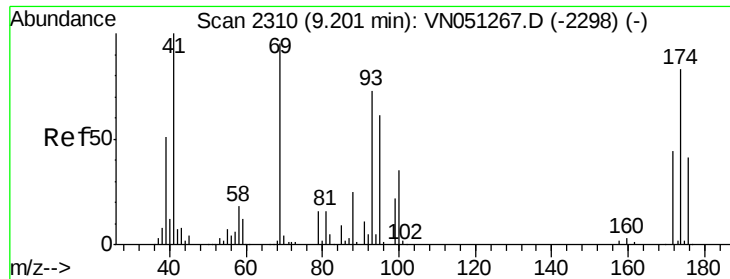


Abundance Ion 82.90 (82.60 to 83.60): VN051267.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN051267.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN051267.D (-2355) (-)

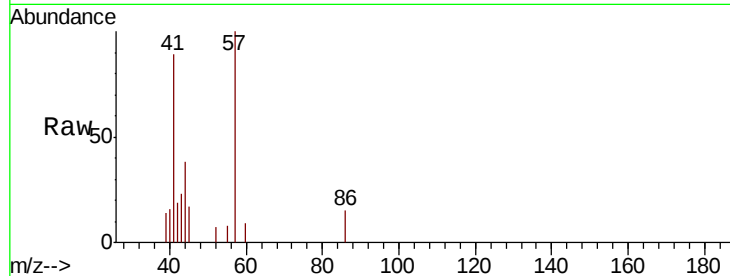




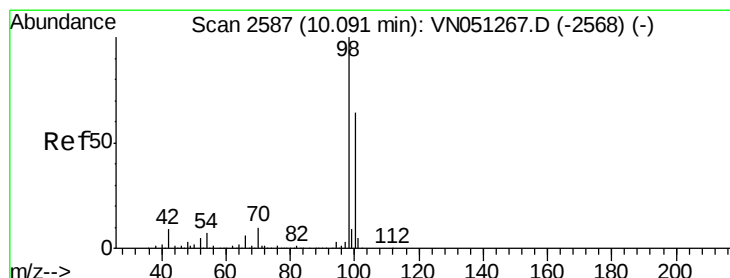
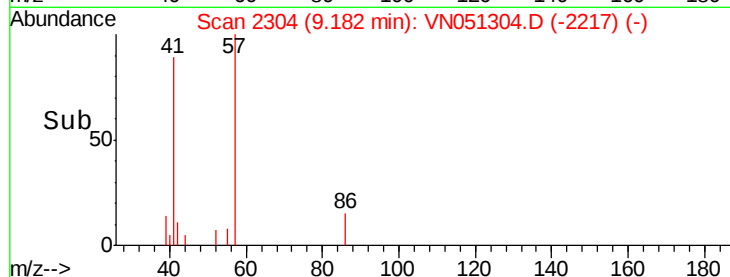
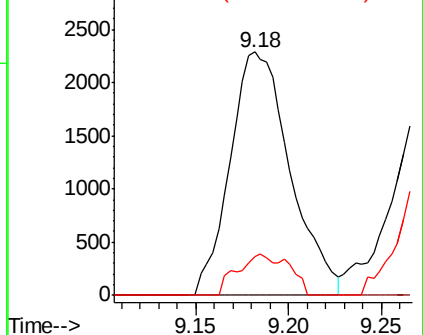
#48
Methyl methacrylate
Concen: 1.753 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
RB48380RT

Tgt Ion: 41 Resp: 5164
Ion Ratio Lower Upper
41 100
69 0.0 78.9 118.3#
39 14.4 42.2 63.2#

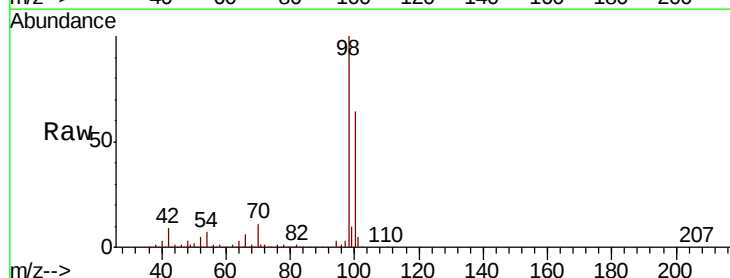


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

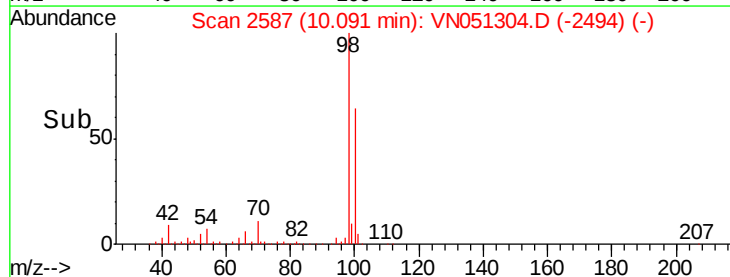
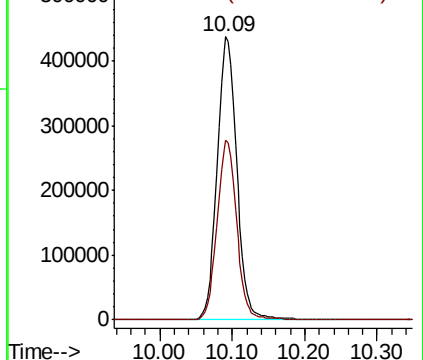


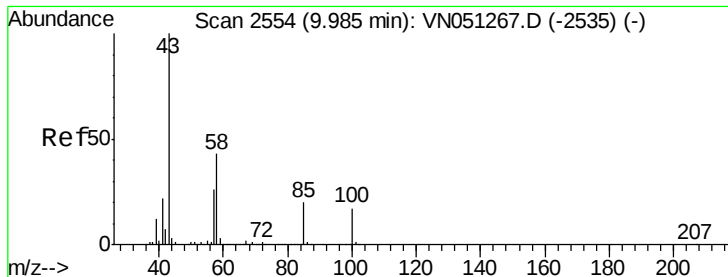
#50
Toluene-d8
Concen: 45.054 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

Tgt Ion: 98 Resp: 822203
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.699 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

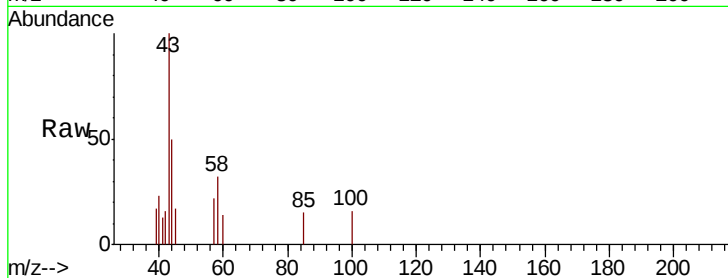
RB48380RT

Tgt Ion: 43 Resp: 2205

Ion Ratio Lower Upper

43 100

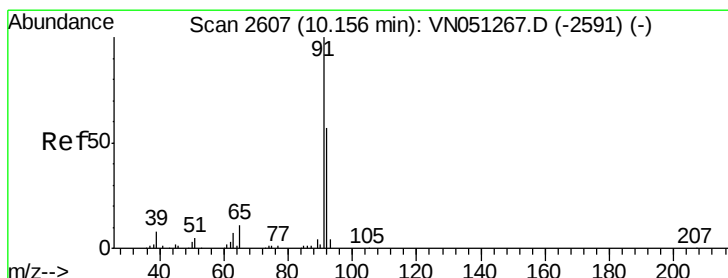
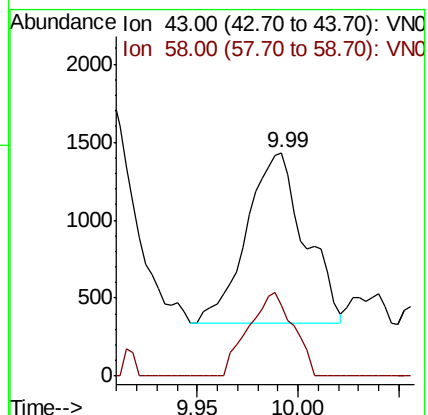
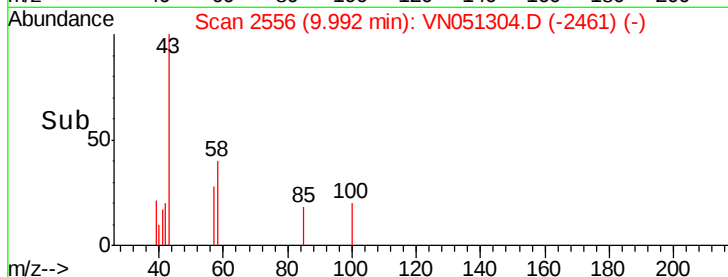
58 37.8 33.8 50.6



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2535) (-)

Time-->



#52

Toluene

Concen: 0.650 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051304.D

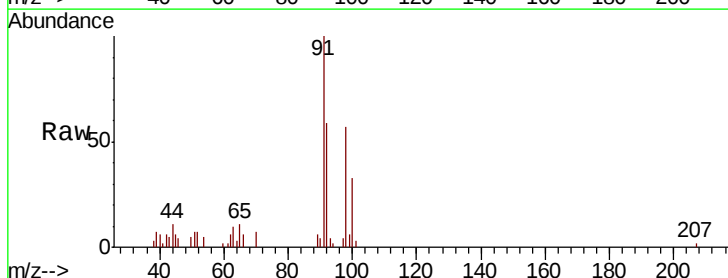
Acq: 18 Sep 2018 17:53

Tgt Ion: 92 Resp: 7967

Ion Ratio Lower Upper

92 100

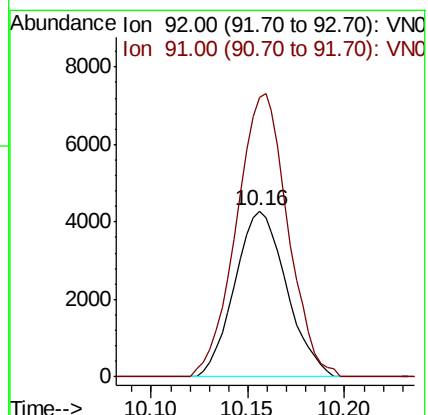
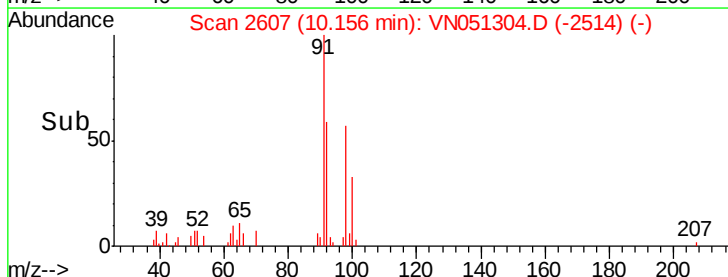
91 169.5 139.2 208.8

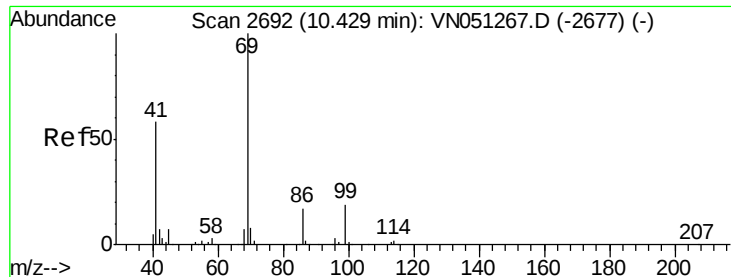


Abundance Ion 92.00 (91.70 to 92.70): VN051267.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN051267.D (-2591) (-)

Time-->





#56

Ethyl methacrylate

Concen: 2.319 ug/l

RT: 10.23 min Scan# 2631

Delta R.T. -0.20 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

RB48380RT

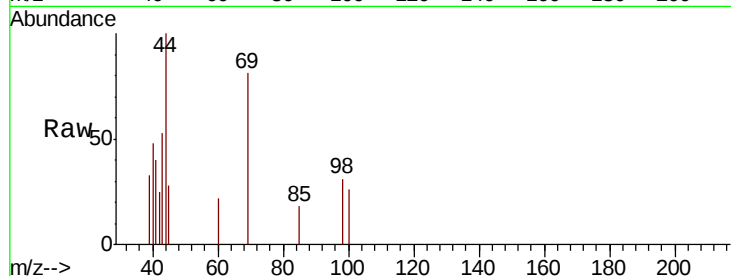
Tgt Ion: 69 Resp: 1467

Ion Ratio Lower Upper

69 100

41 28.8 47.4 71.0#

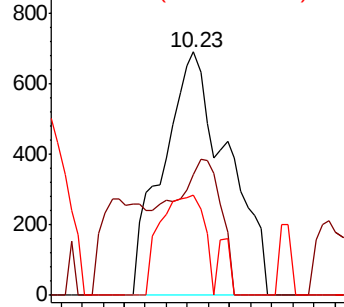
39 27.9 23.7 35.5



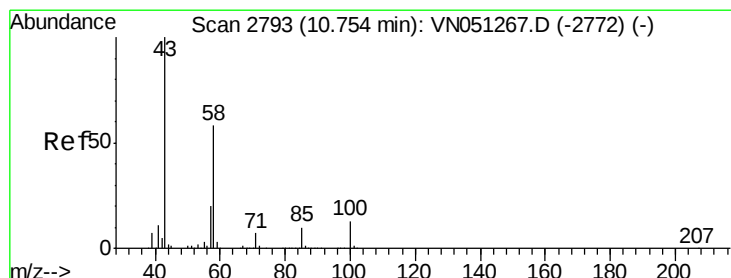
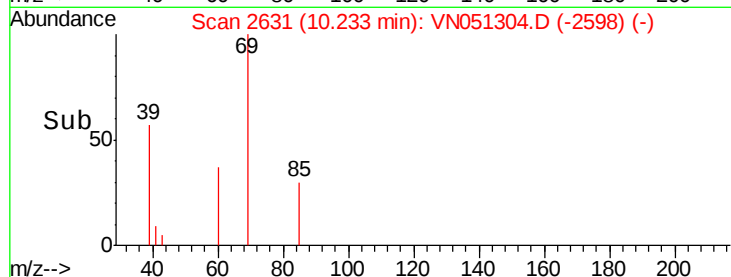
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#59

2-Hexanone

Concen: 1.951 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN051304.D

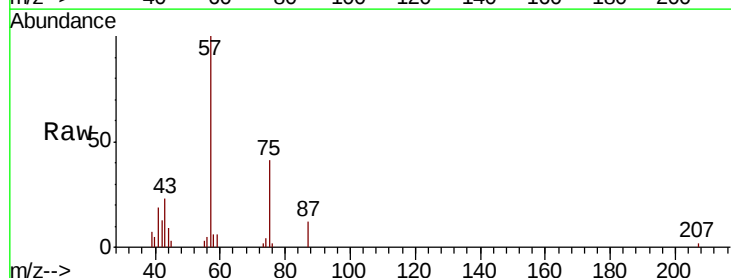
Acq: 18 Sep 2018 17:53

Tgt Ion: 43 Resp: 4054

Ion Ratio Lower Upper

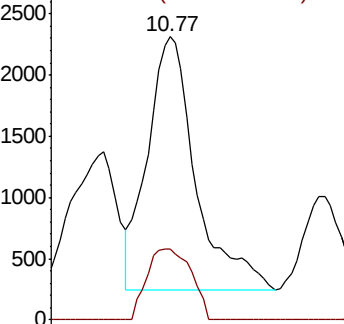
43 100

58 25.8 28.9 86.8#

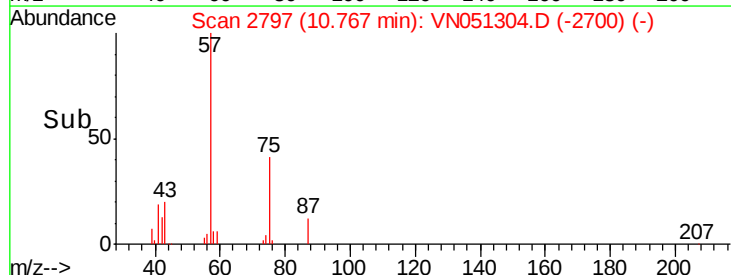


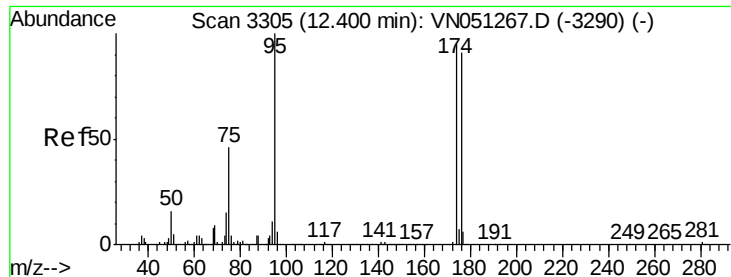
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: 38.506 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

RB48380RT

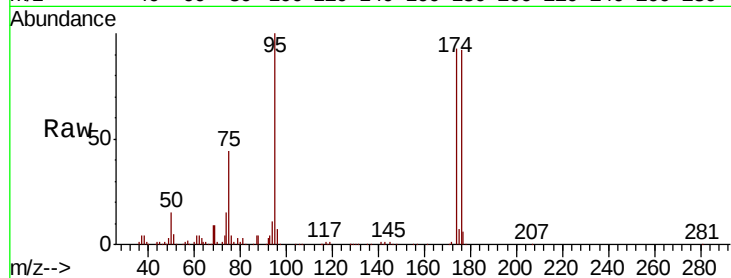
Tgt Ion: 95 Resp: 223507

Ion Ratio Lower Upper

95 100

174 94.3 0.0 189.6

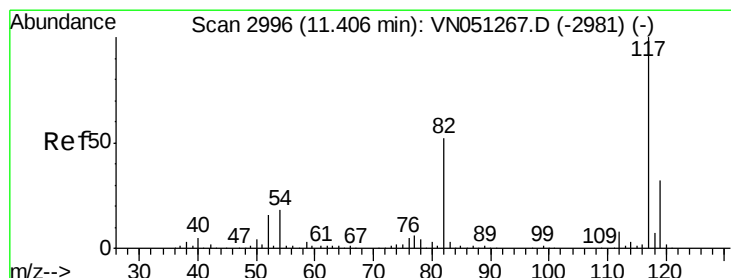
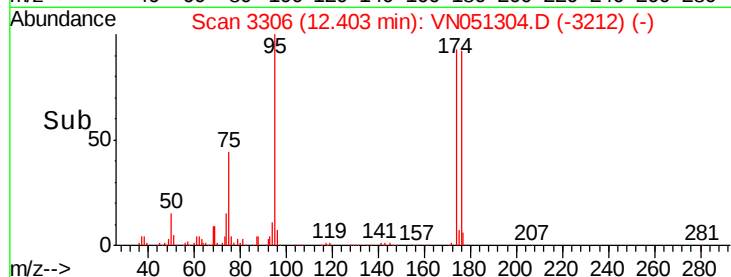
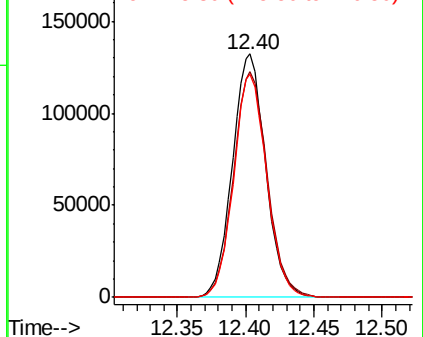
176 91.2 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN051267.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051267.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051267.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

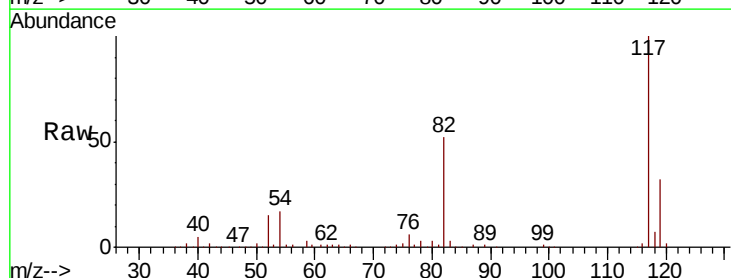
Tgt Ion: 117 Resp: 522501

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

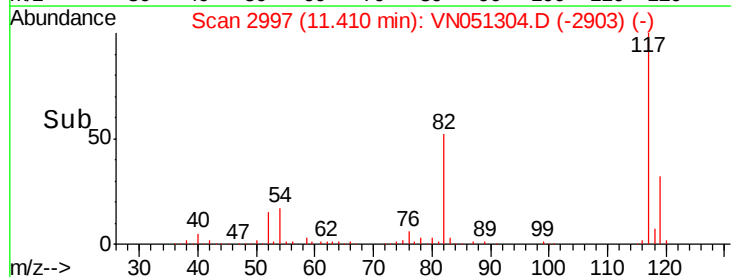
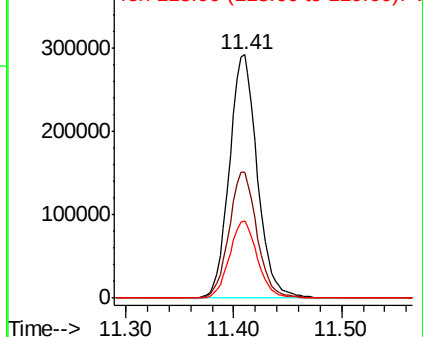
119 31.8 25.6 38.4

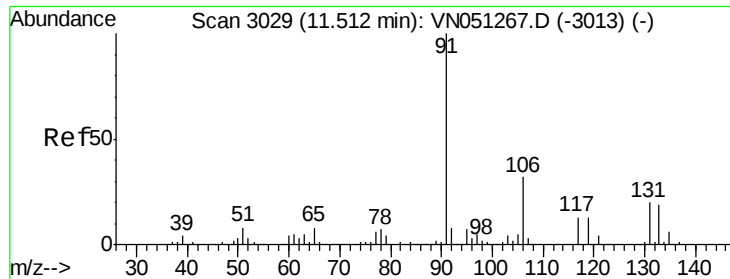


Abundance Ion 116.90 (116.60 to 117.60): VN051267.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051267.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051267.D (-2981) (-)

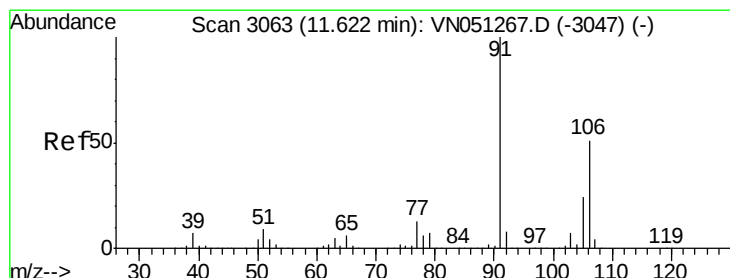
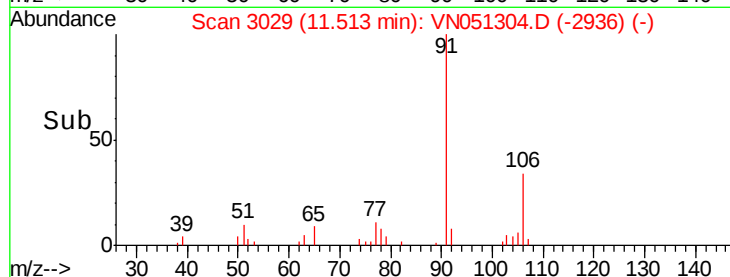
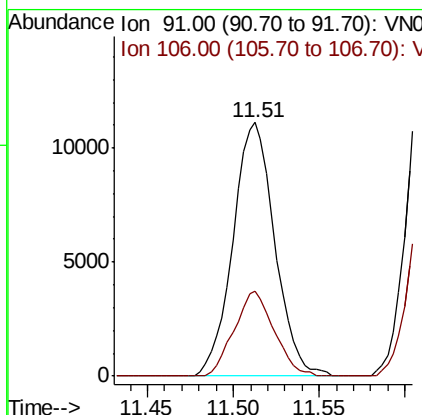
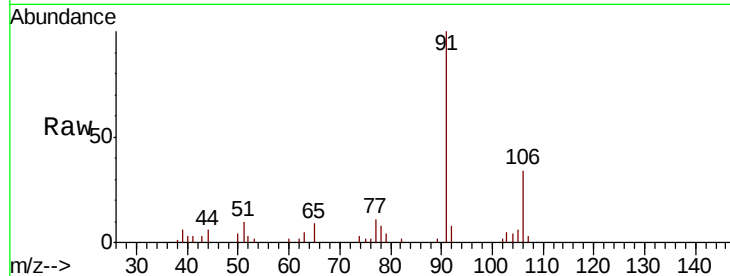




#67
Ethyl Benzene
Concen: 0.910 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

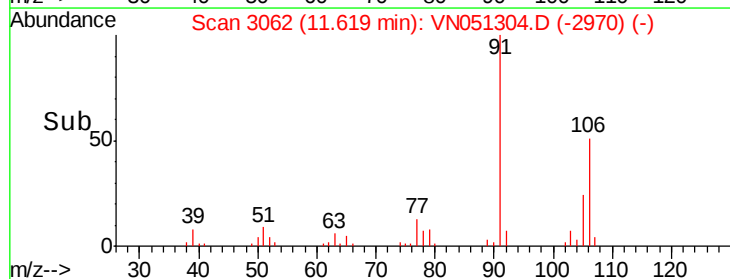
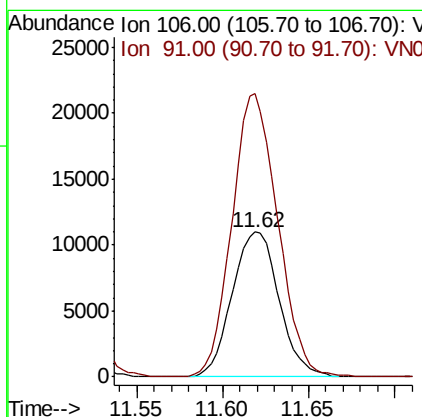
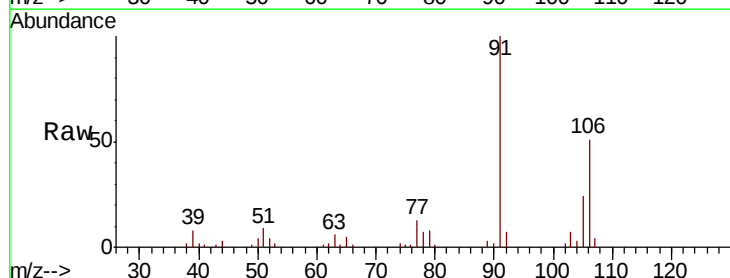
Instrument :
MSVOA_N
ClientSampled :
RB48380RT

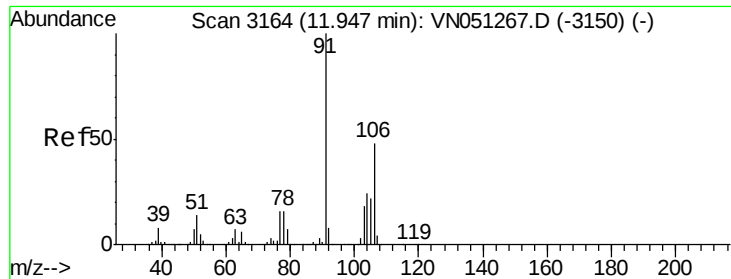
Tgt Ion: 91 Resp: 18734
Ion Ratio Lower Upper
91 100
106 33.6 25.7 38.5



#68
m/p-Xylenes
Concen: 2.600 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

Tgt Ion: 106 Resp: 20806
Ion Ratio Lower Upper
106 100
91 191.2 158.6 238.0

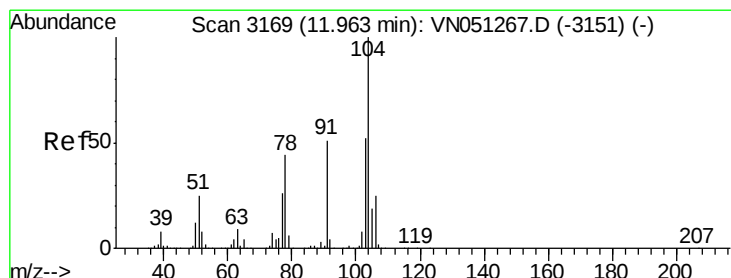
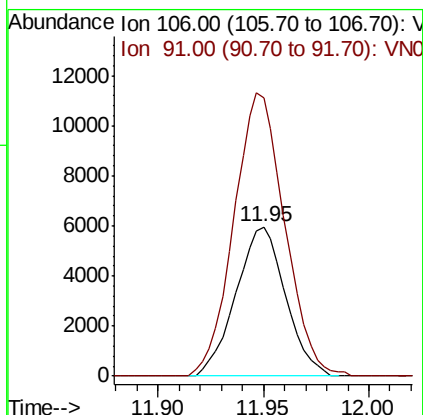
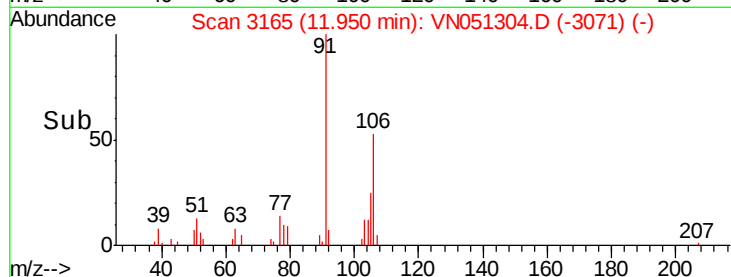
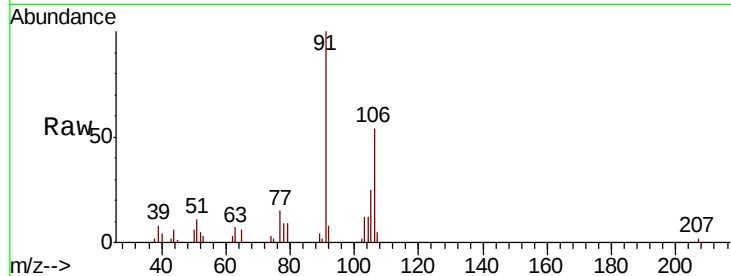




#69
o-Xylene
Concen: 1.276 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

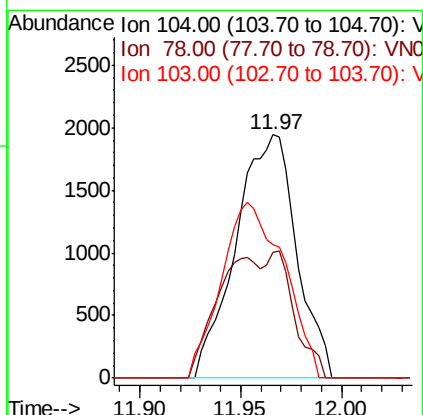
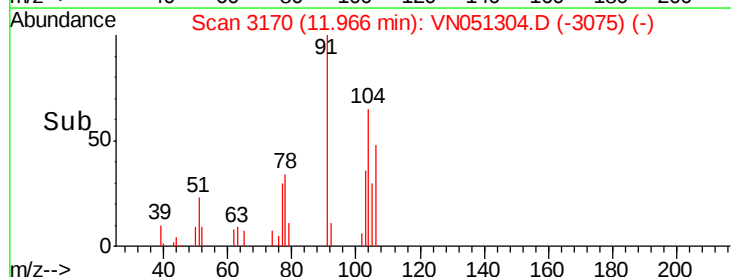
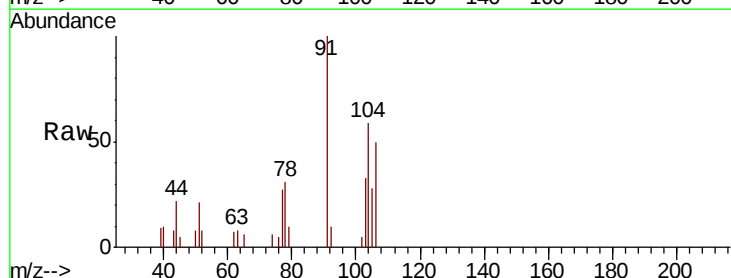
Instrument :
MSVOA_N
ClientSampled :
RB48380RT

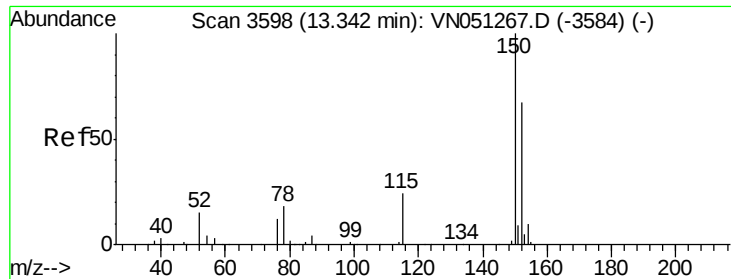
Tgt Ion:106 Resp: 9732
Ion Ratio Lower Upper
106 100
91 194.2 104.1 312.3



#70
Styrene
Concen: 1.539 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

Tgt Ion:104 Resp: 4082
Ion Ratio Lower Upper
104 100
78 36.5 38.1 57.1#
103 74.6 44.8 67.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

RB48380RT

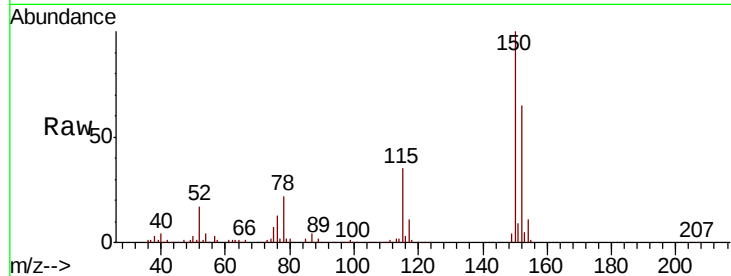
Tgt Ion:152 Resp: 178657

Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.2

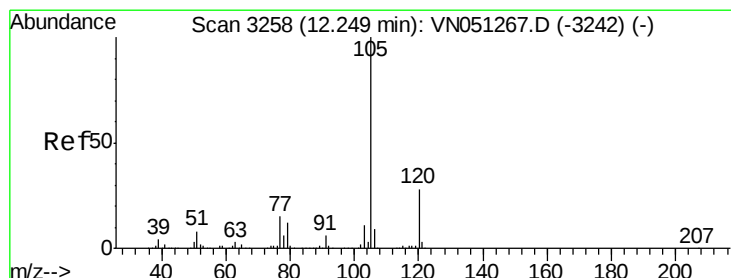
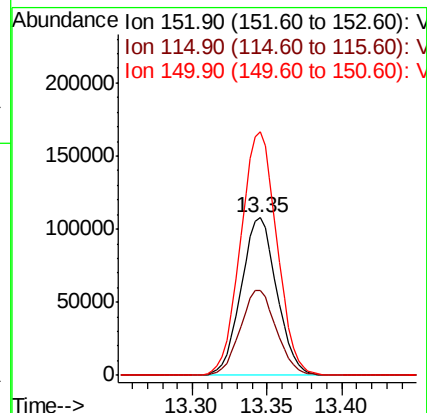
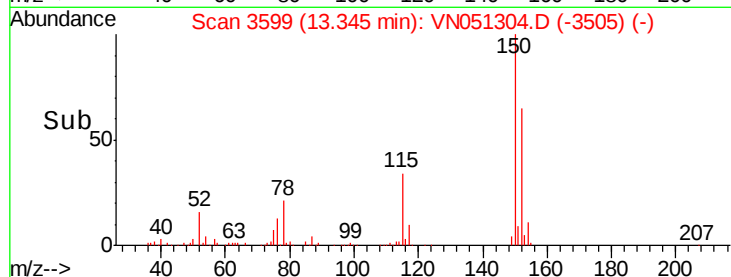
150 157.2 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.224 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051304.D

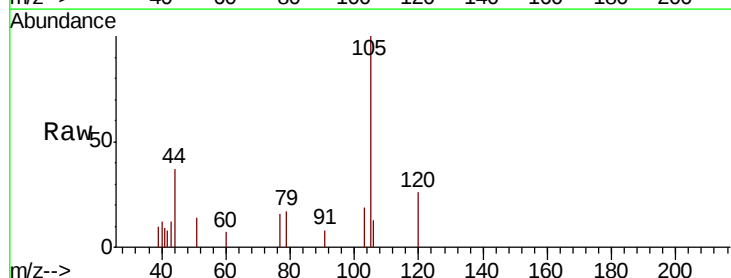
Acq: 18 Sep 2018 17:53

Tgt Ion:105 Resp: 3375

Ion Ratio Lower Upper

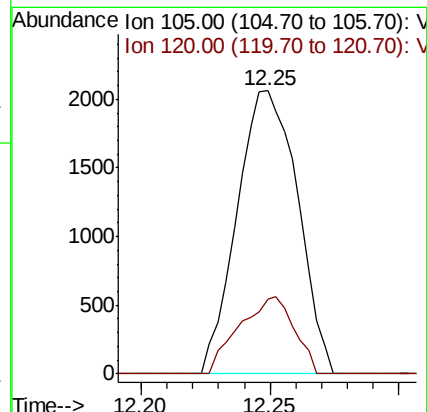
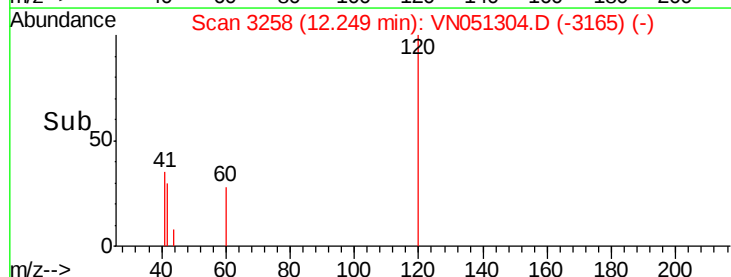
105 100

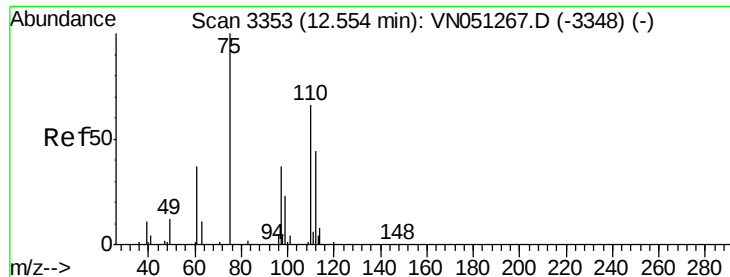
120 24.6 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 41.743 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

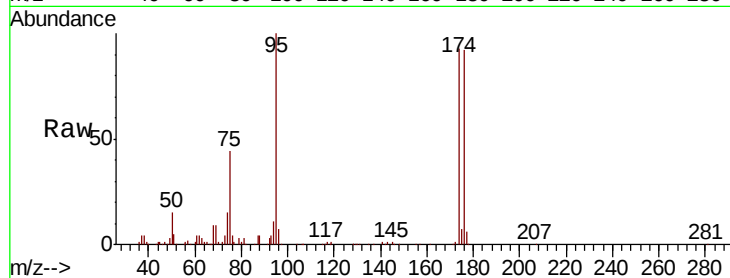
RB48380RT

Tgt Ion: 75 Resp: 103075

Ion Ratio Lower Upper

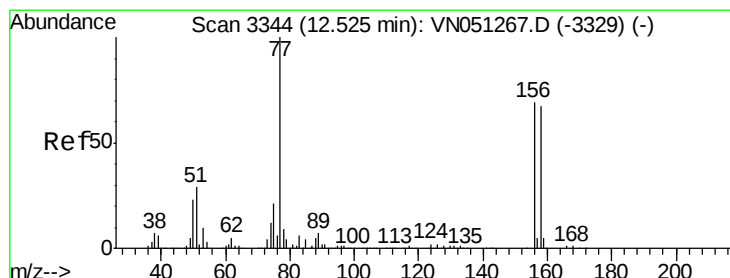
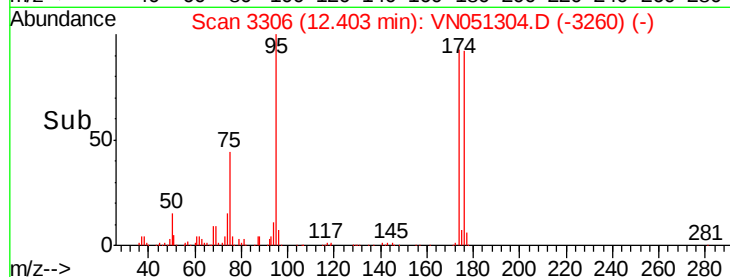
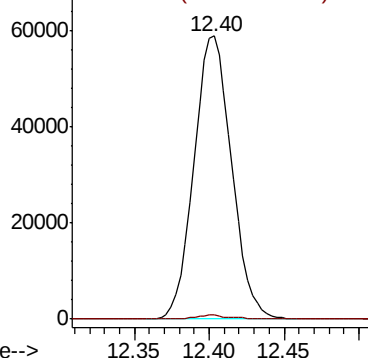
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. 0.07 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

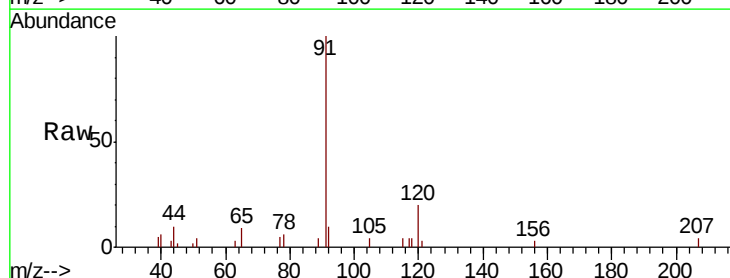
Tgt Ion: 156 Resp: 35

Ion Ratio Lower Upper

156 100

77 1257.1 83.7 251.1#

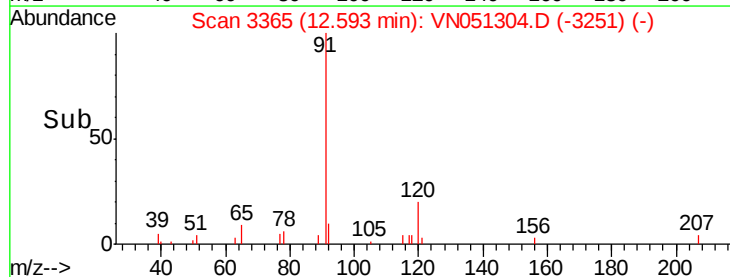
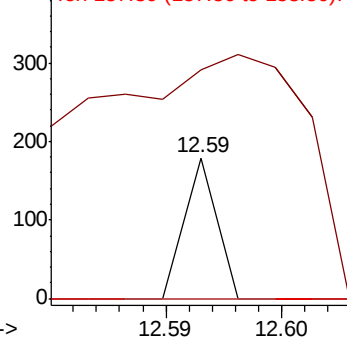
158 0.0 49.0 147.2#

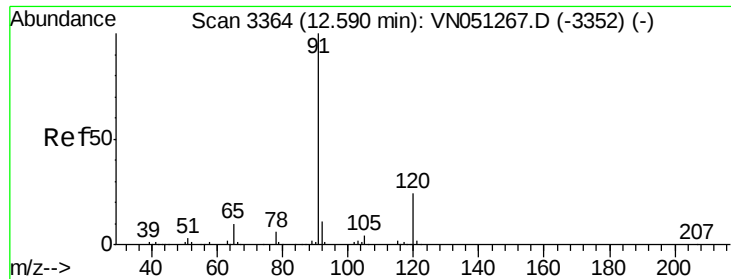


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

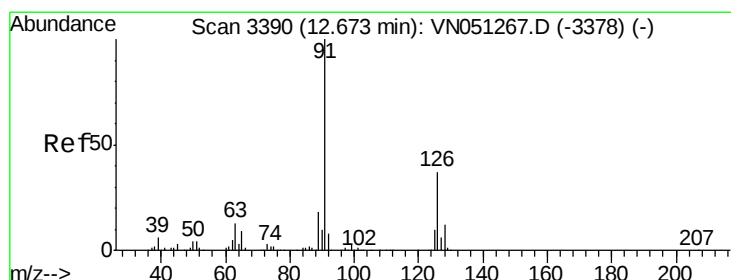
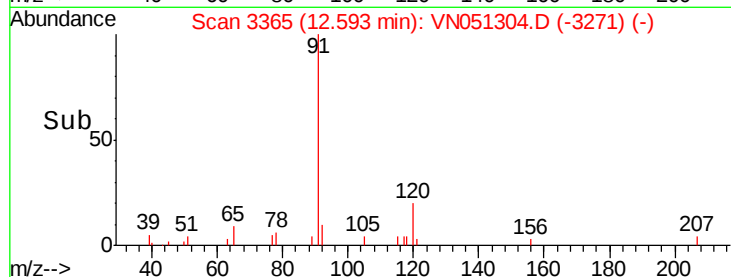
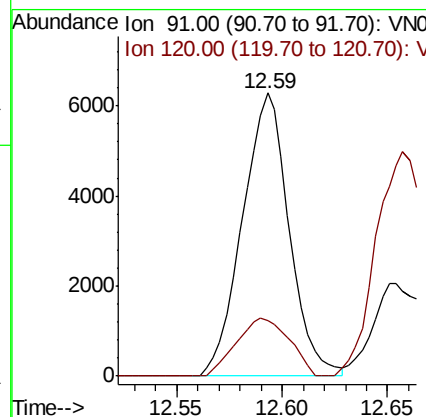
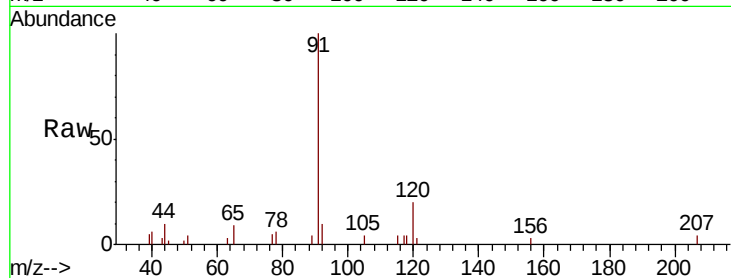




#78
n-propylbenzene
Concen: 0.595 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

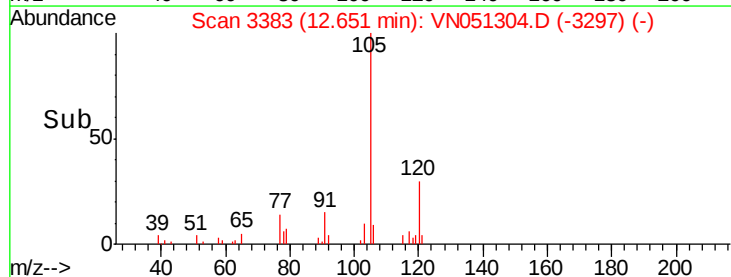
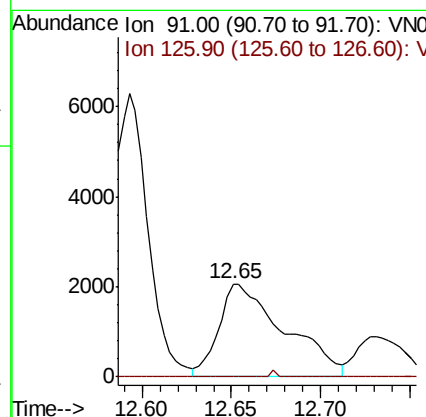
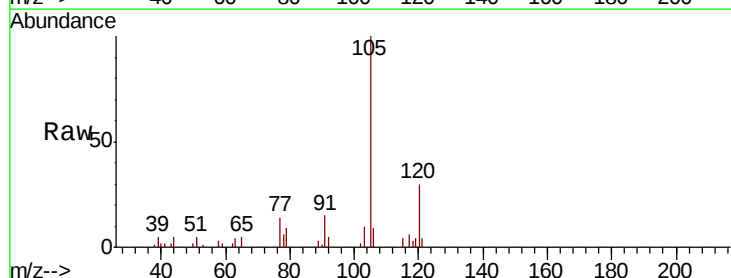
Instrument :
MSVOA_N
ClientSampleId :
RB48380RT

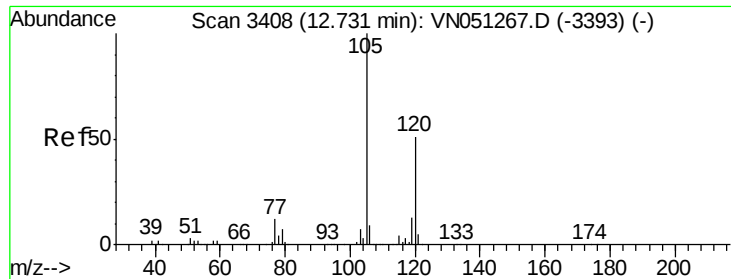
Tgt Ion: 91 Resp: 9666
Ion Ratio Lower Upper
91 100
120 23.2 12.1 36.3



#79
2-Chlorotoluene
Concen: 0.513 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VN051304.D
Acq: 18 Sep 2018 17:53

Tgt Ion: 91 Resp: 5304
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#

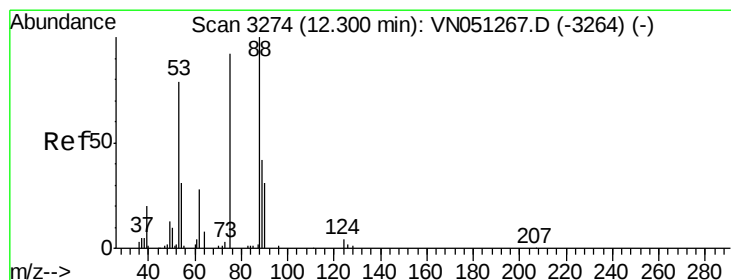
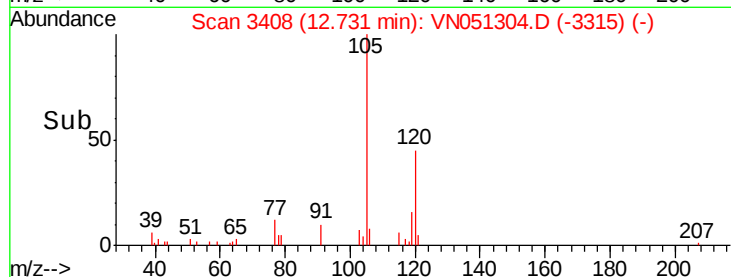
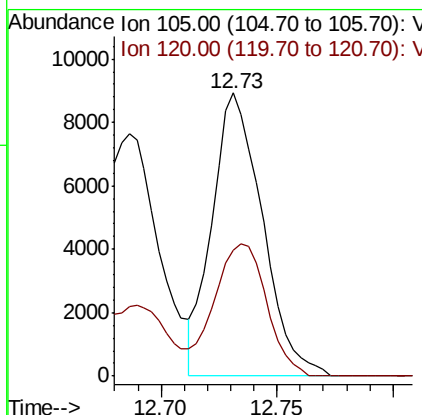
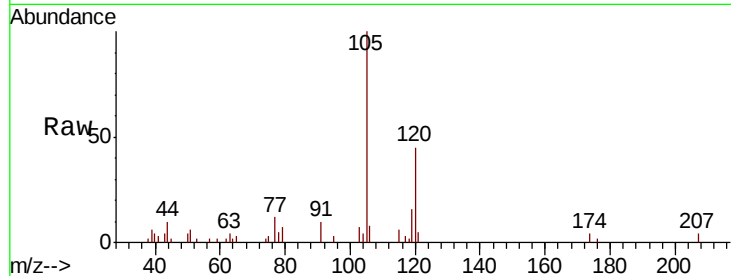




#80
 1,3,5-Trimethylbenzene
 Concen: 1.120 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

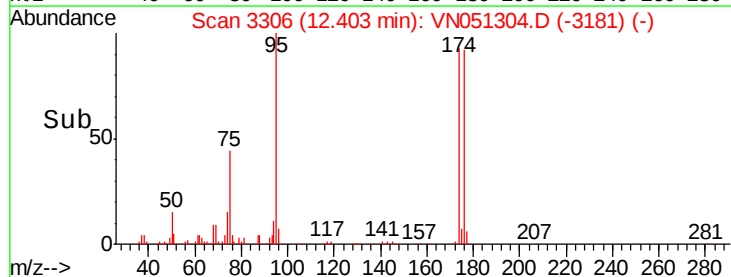
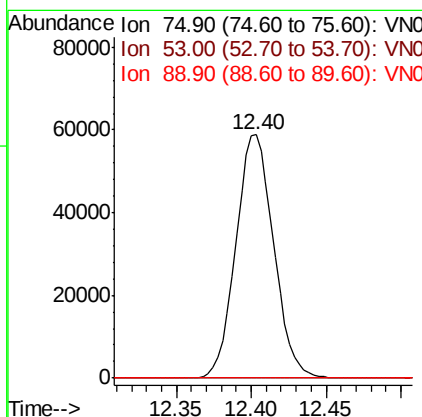
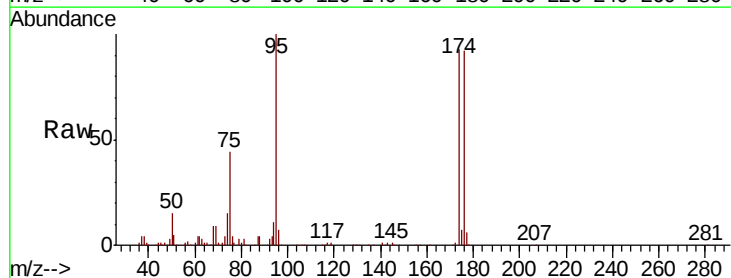
Instrument :
 MSVOA_N
 ClientSampleId :
 RB48380RT

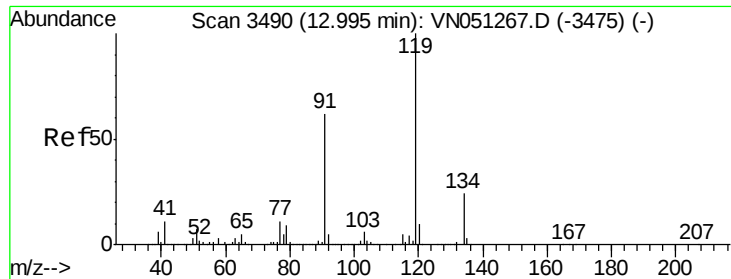
Tgt Ion:105 Resp: 13489
 Ion Ratio Lower Upper
 105 100
 120 48.3 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.140 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

Tgt Ion: 75 Resp: 103075
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.7 101.5#
 89 0.0 36.9 55.3#

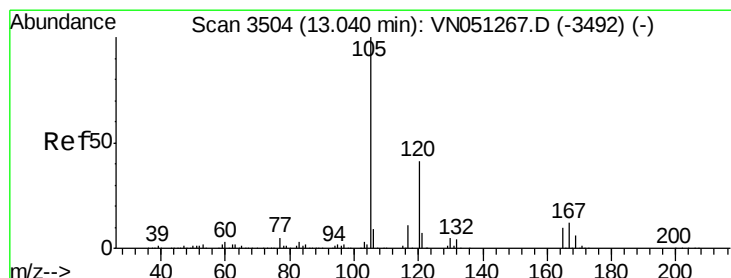
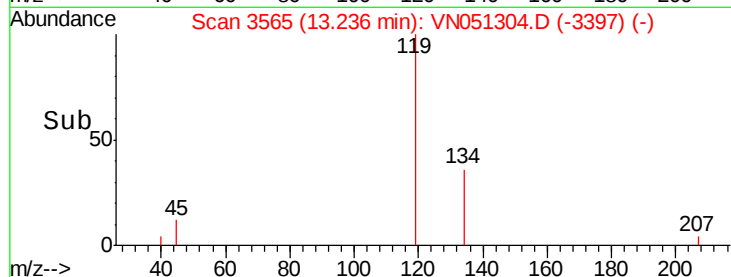
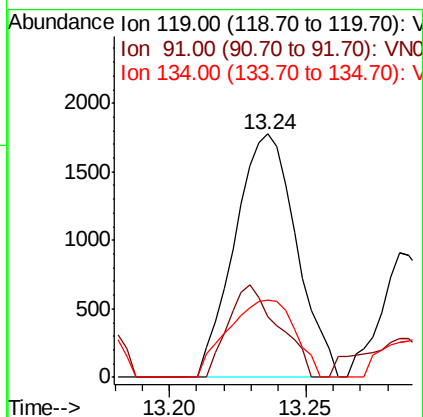
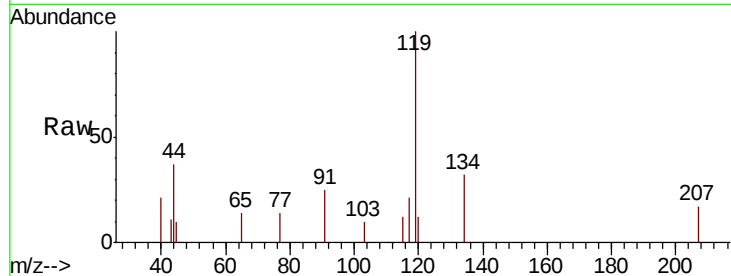




#83
 tert-Butylbenzene
 Concen: 0.262 ug/l
 RT: 13.24 min Scan# 3565
 Delta R.T. 0.24 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

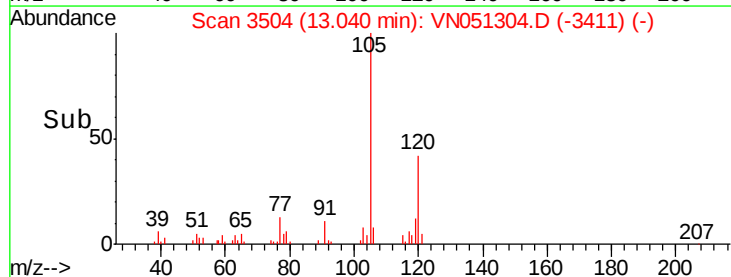
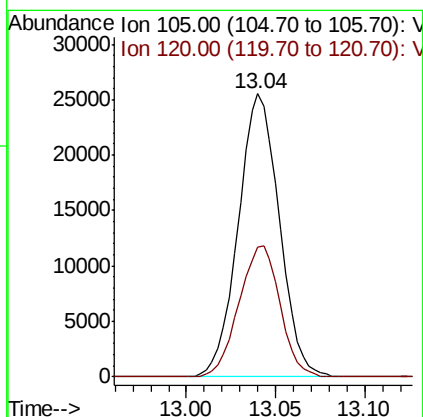
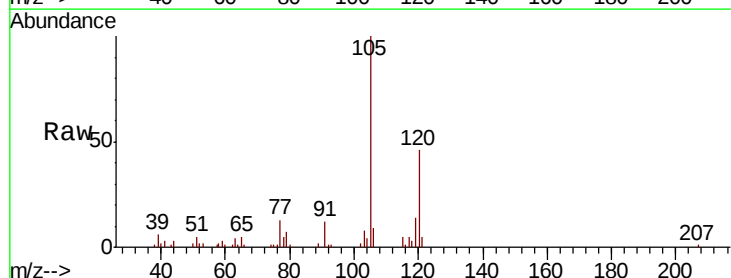
Instrument :
 MSVOA_N
 ClientSampleId :
 RB48380RT

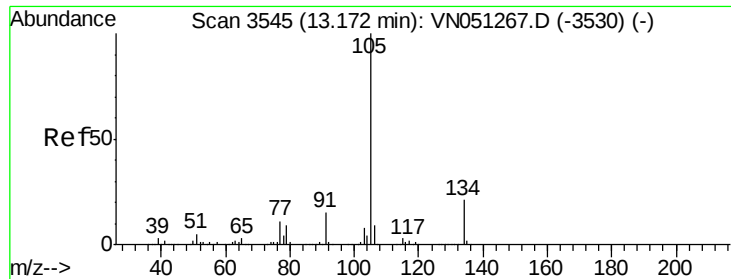
Tgt Ion:119 Resp: 2784
 Ion Ratio Lower Upper
 119 100
 91 31.1 30.8 92.4
 134 34.5 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 3.499 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051304.D
 Acq: 18 Sep 2018 17:53

Tgt Ion:105 Resp: 40937
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.5 70.6





#85

sec-Butylbenzene

Concen: 0.223 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

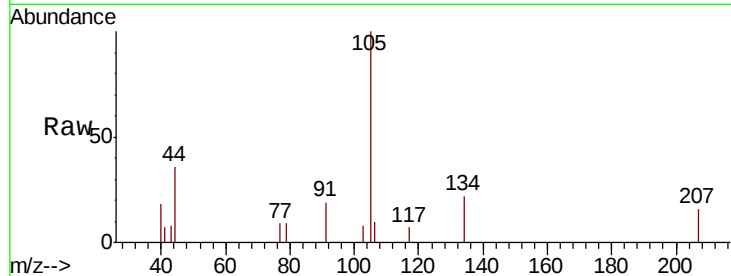
RB48380RT

Tgt Ion:105 Resp: 3020

Ion Ratio Lower Upper

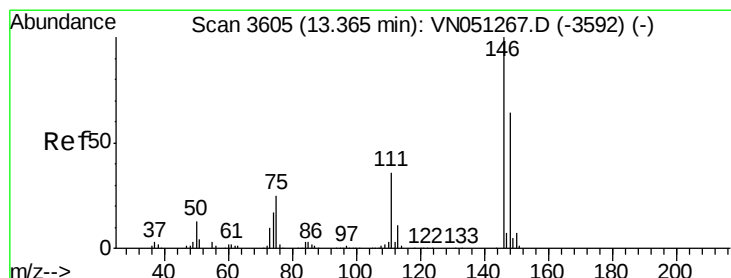
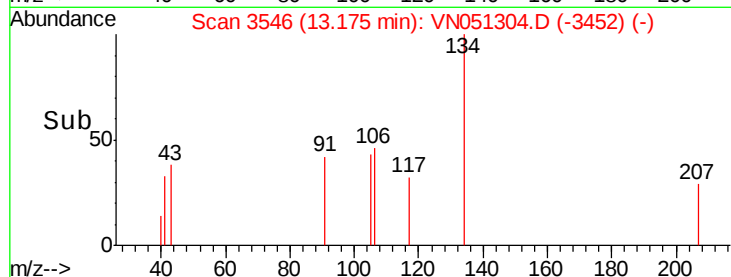
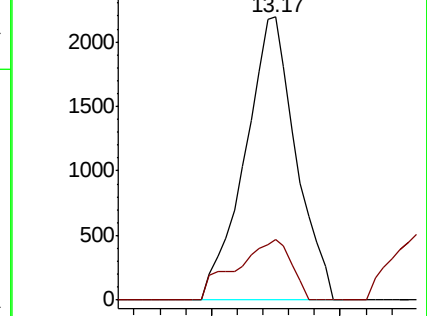
105 100

134 23.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#88

1,4-Dichlorobenzene

Concen: 0.433 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

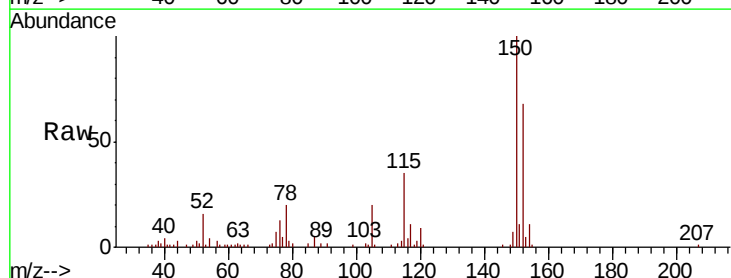
Tgt Ion:146 Resp: 136

Ion Ratio Lower Upper

146 100

111 1633.8 18.2 54.6#

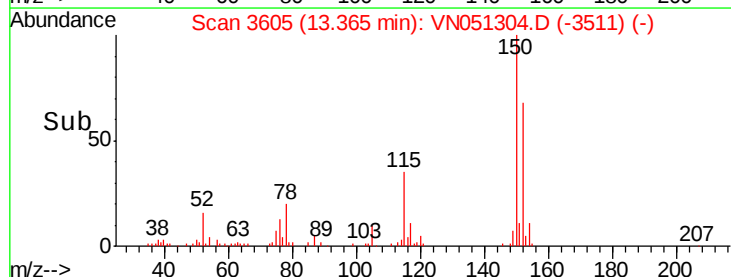
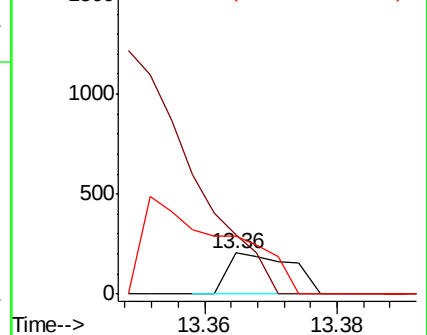
148 317.6 31.9 95.7#

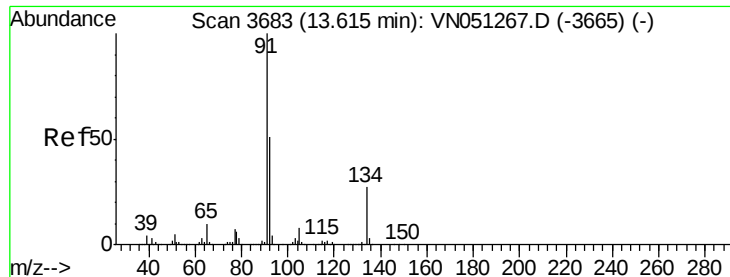


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 2.160 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

RB48380RT

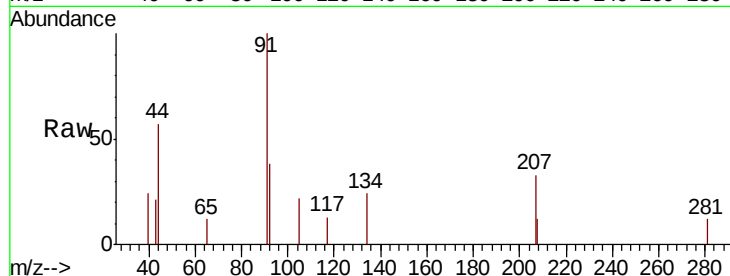
Tgt Ion: 91 Resp: 1386

Ion Ratio Lower Upper

91 100

92 43.7 25.8 77.4

134 0.0 13.7 41.0#

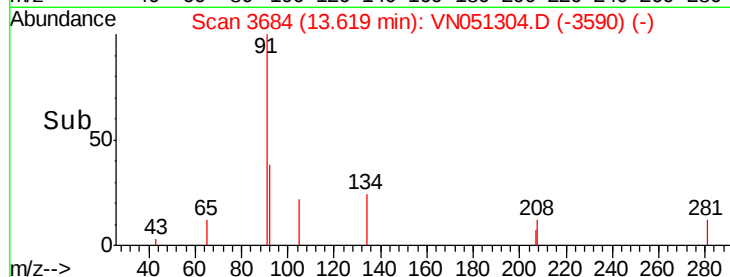


Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN051267.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN051267.D (-3665) (-)

Time-->

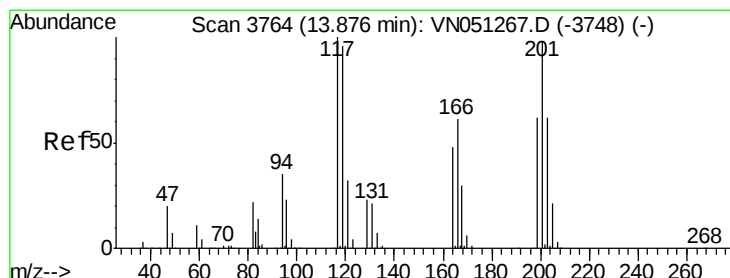


Abundance Ion 91.00 (90.70 to 91.70): VN051304.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN051304.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN051304.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN051304.D

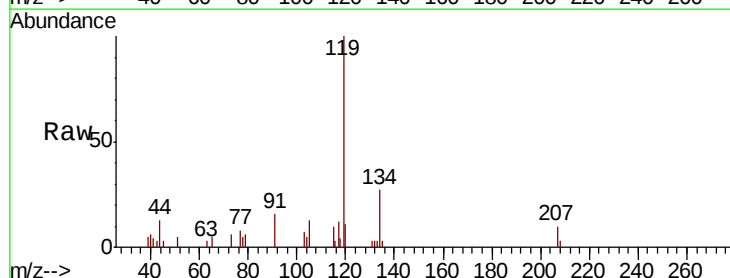
Acq: 18 Sep 2018 17:53

Tgt Ion: 117 Resp: 1307

Ion Ratio Lower Upper

117 100

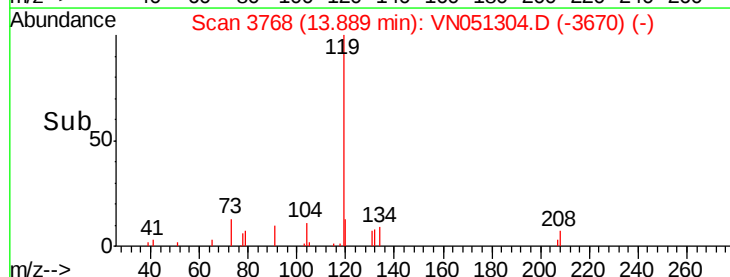
201 0.0 48.4 145.3#



Abundance Ion 116.80 (116.50 to 117.50): VN051267.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051267.D (-3748) (-)

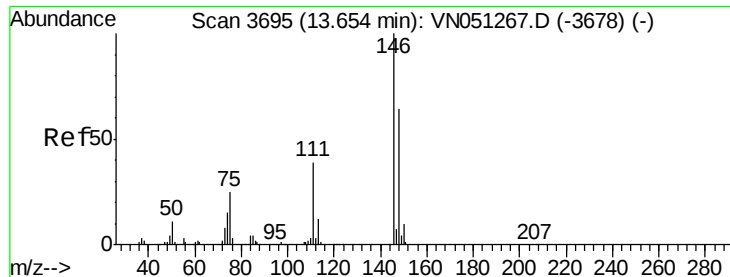
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN051304.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN051304.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

RB48380RT

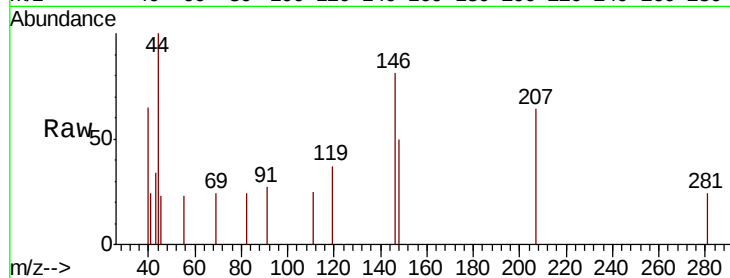
Tgt Ion:146 Resp: 751

Ion Ratio Lower Upper

146 100

111 14.0 19.6 58.7#

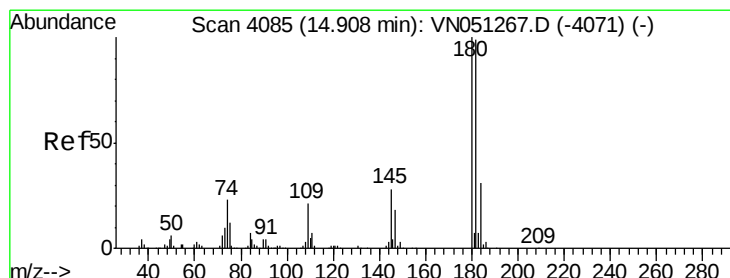
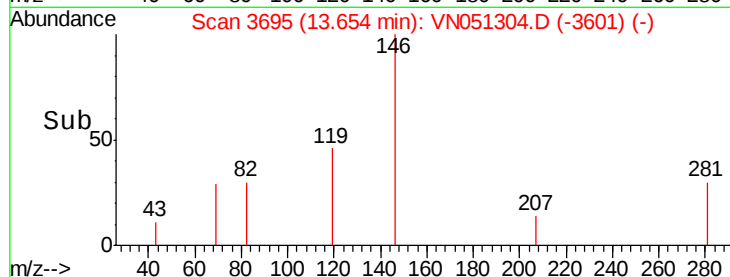
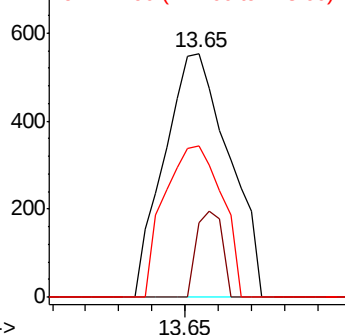
148 54.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 5.405 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

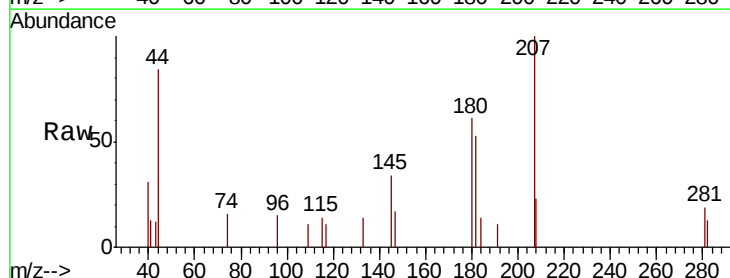
Tgt Ion:180 Resp: 1246

Ion Ratio Lower Upper

180 100

182 92.5 48.5 145.6

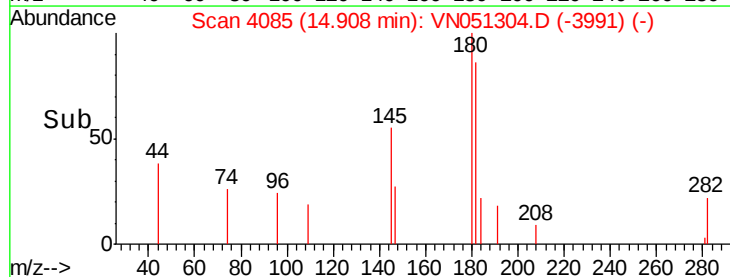
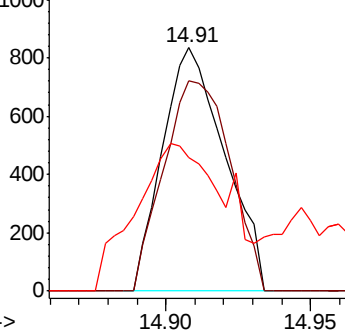
145 87.4 14.0 41.9#

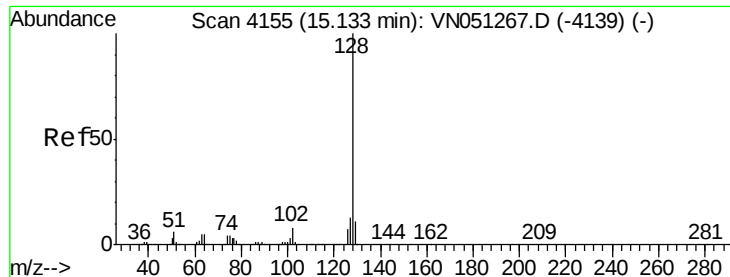


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 17.794 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

RB48380RT

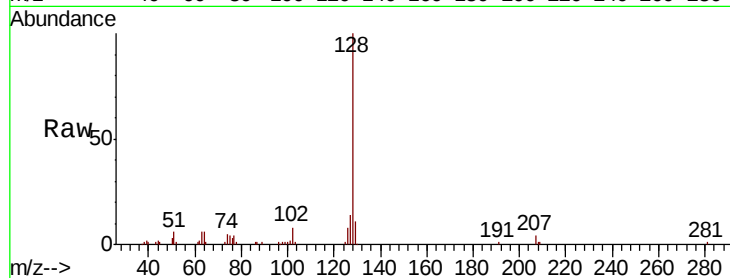
Tgt Ion:128 Resp: 75289

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

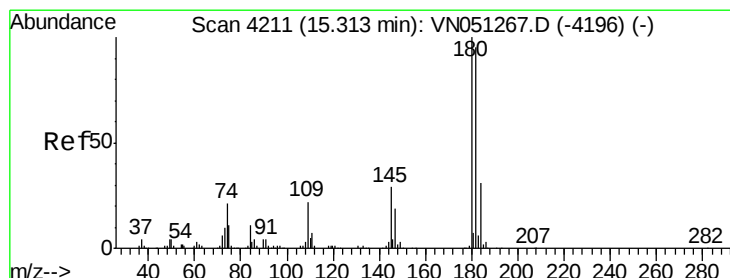
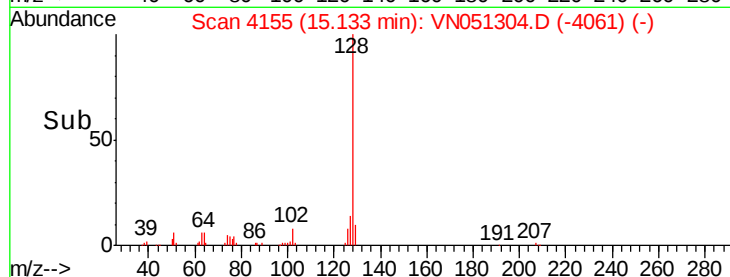
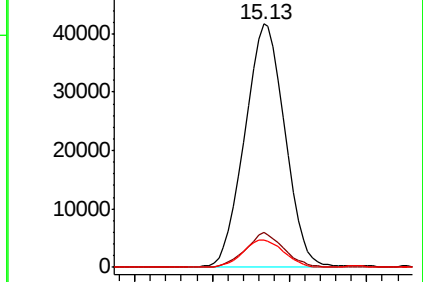
129 11.4 8.9 13.3



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: 3.924 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN051304.D

Acq: 18 Sep 2018 17:53

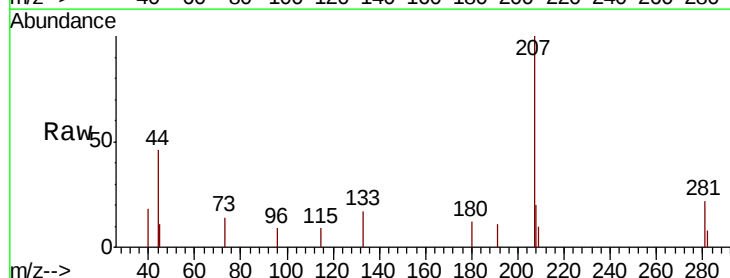
Tgt Ion:180 Resp: 190

Ion Ratio Lower Upper

180 100

182 54.2 47.5 142.6

145 33.7 14.8 44.4



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

