

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052991.D
 Acq On : 19 Dec 2018 5:32
 Operator : MD\SY
 Sample : J6464-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 290-RT4008-RBR251686

Quant Time: Dec 19 07:48:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1424814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2182030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1855968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	653651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	704858	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	580639	58.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.50%	
50) Toluene-d8	10.09	98	2640665	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	784819	41.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.56%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.78	59	886	1.004	ug/l #	74
13) Acrolein	3.60	56	296	0.370	ug/l #	26
14) Allyl chloride	4.55	41	178795	8.500	ug/l #	24
16) Acetone	3.82	43	26678	9.410	ug/l	96
17) Carbon Disulfide	4.06	76	25731	0.581	ug/l	99
18) Methyl Acetate	4.33	43	8879	1.668	ug/l #	62
20) Methylene Chloride	4.55	84	4942797	319.622	ug/l	98
25) 2-Butanone	6.85	43	3700	0.778	ug/l #	85
28) Bromochloromethane	7.20	49	2317	0.200	ug/l #	95
30) Chloroform	7.37	83	5466	0.209	ug/l #	83
31) Cyclohexane	7.66	56	23333	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	90911	4.341	ug/l #	49
37) Ethyl Acetate	6.85	43	3700	0.316	ug/l #	68
38) Carbon Tetrachloride	7.67	117	124057	6.462	ug/l #	16
43) Isopropyl Acetate	8.17	43	81815	2.626	ug/l #	83
45) 1,2-Dichloropropane	9.27	63	3990	0.246	ug/l #	44
48) Methyl methacrylate	9.18	41	23273	2.051	ug/l #	22
49) 1,4-Dioxane	9.27	88	402	2.801	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	9960	0.880	ug/l	89
54) cis-1,3-Dichloropropene	9.90	75	175466	7.235	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	24646	1.067	ug/l #	42
59) 2-Hexanone	10.76	43	330699	43.168	ug/l #	50
68) m/p-Xylenes	11.62	106	8392	0.312	ug/l	100
71) Bromoform	12.40	173	4410	0.427	ug/l #	1
74) N-amyl acetate	11.88	43	27092	1.908	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	366774	33.332	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16763	0.402	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	366774	107.434	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	39714	0.948	ug/l	98
90) Hexachloroethane	13.89	117	1840	0.278	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.48	75	523	0.301	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	396	0.629	ug/l #	1
95) Naphthalene	15.13	128	363511	14.967	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	333	0.539	ug/l #	63

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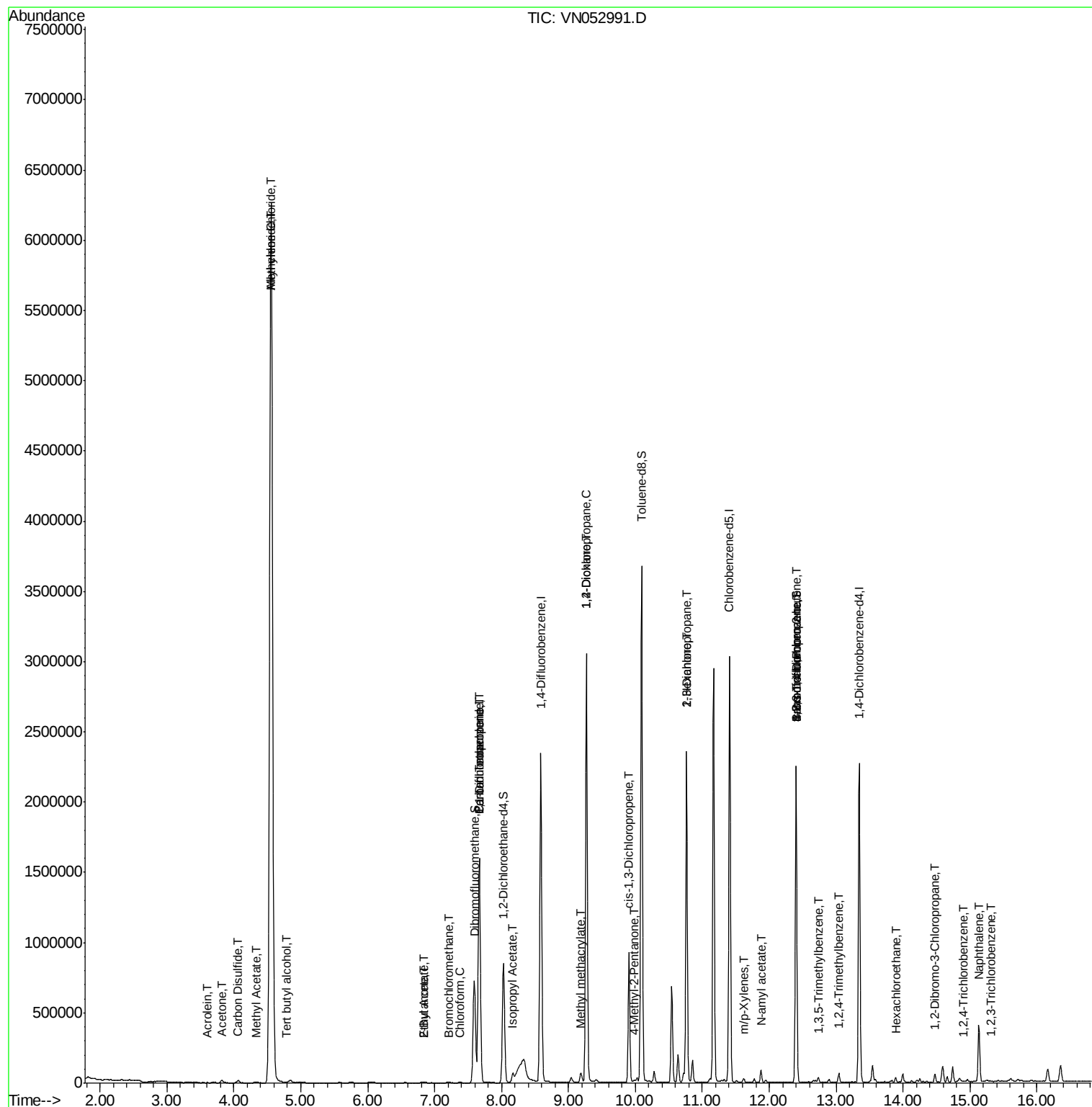
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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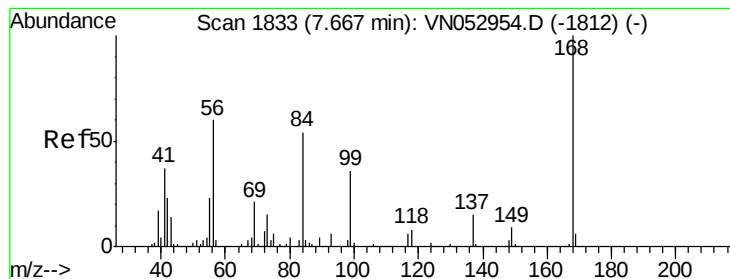
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

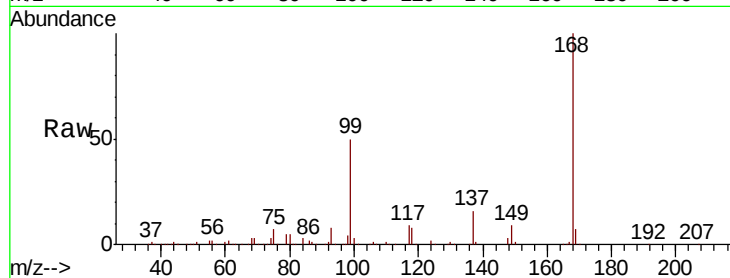
290-RT4008-RBR251686

Tot Ion:168 Resp: 1424814

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052991.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052991.D (-1740) (-)

7.67

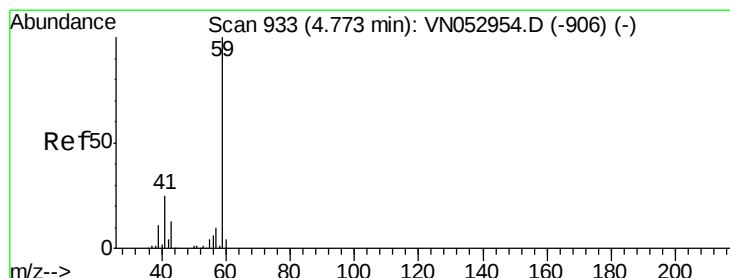
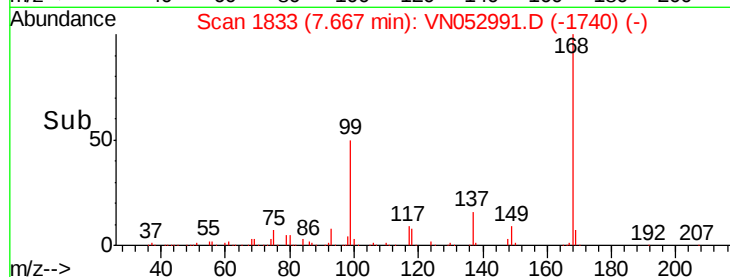
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.004 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN052991.D

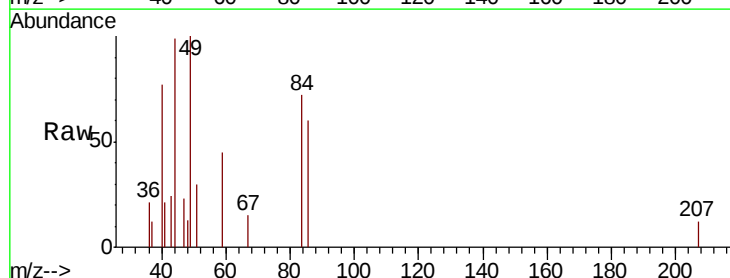
Acq: 19 Dec 2018 5:32

Tgt Ion: 59 Resp: 886

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052991.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN052991.D (-840) (-)

4.78

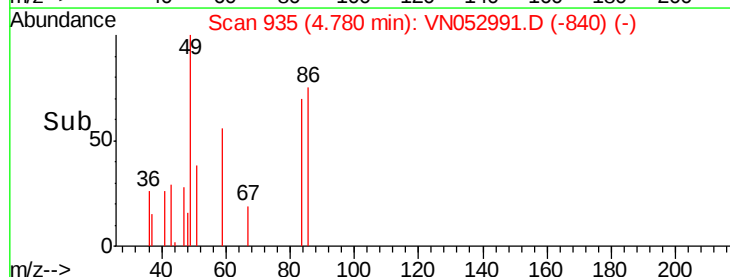
600

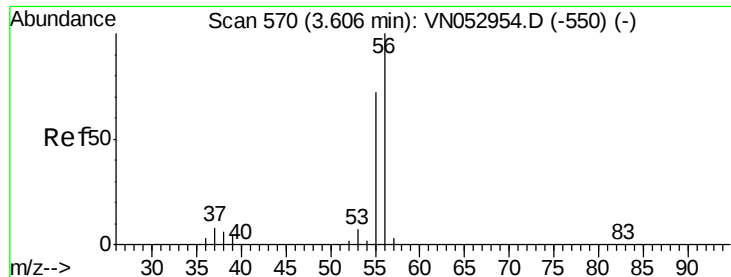
400

200

0

Time-->





#13

Acrolein

Concen: 0.370 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

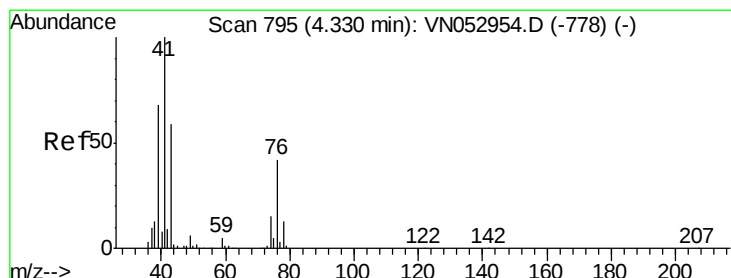
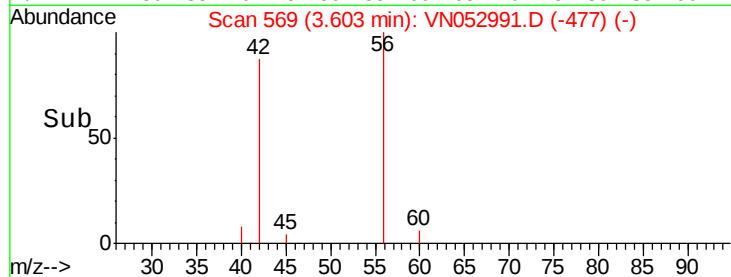
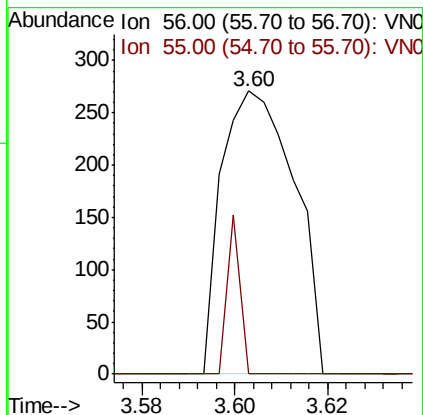
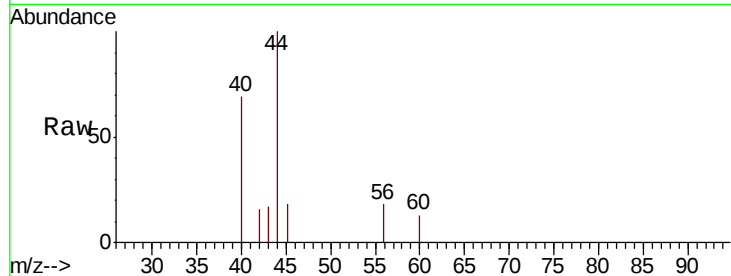
290-RT4008-RBR251686

Tot Ion: 56 Resp: 296

Ion Ratio Lower Upper

56 100

55 9.8 56.6 85.0#



#14

Allyl chloride

Concen: 8.500 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

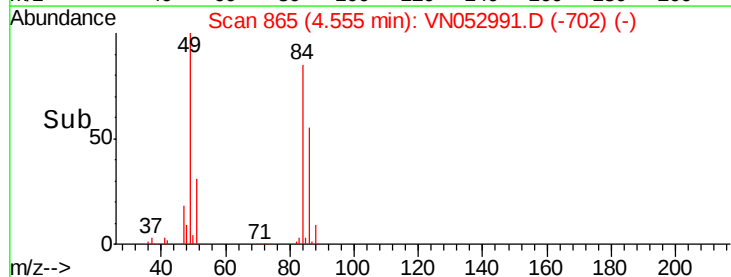
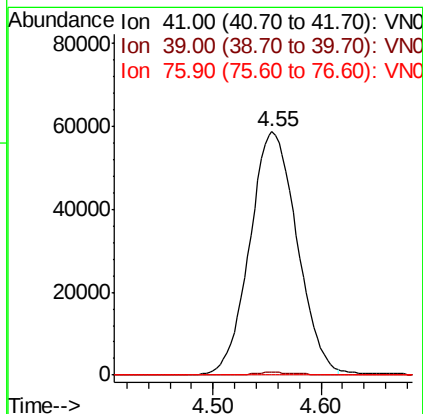
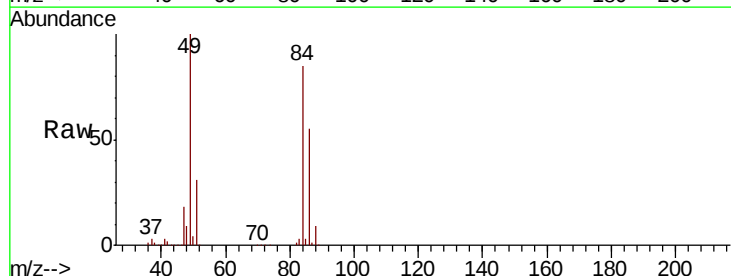
Tgt Ion: 41 Resp: 178795

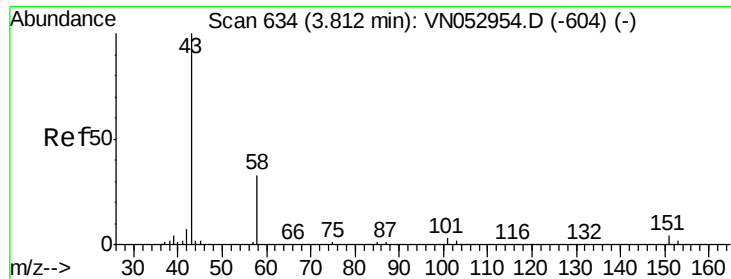
Ion Ratio Lower Upper

41 100

39 0.9 54.1 81.1#

76 0.0 30.3 45.5#





#16

Acetone

Concen: 9.410 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

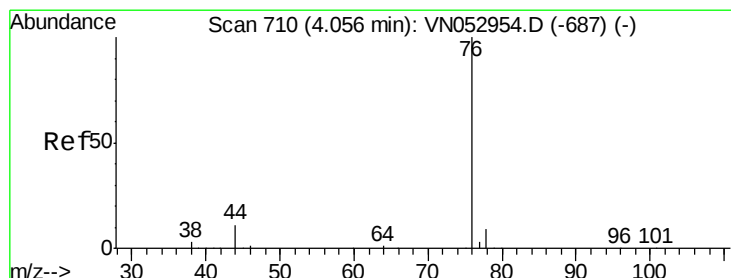
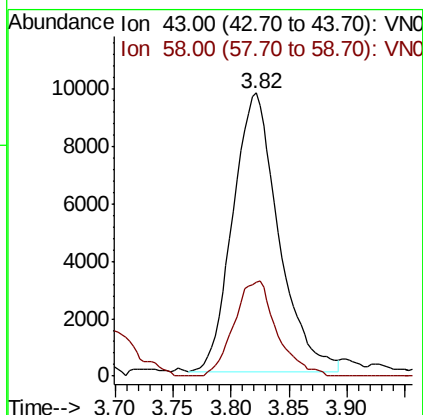
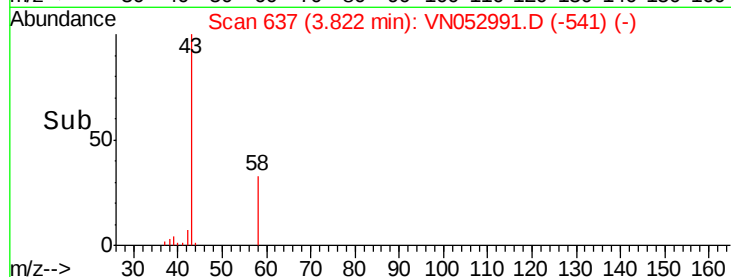
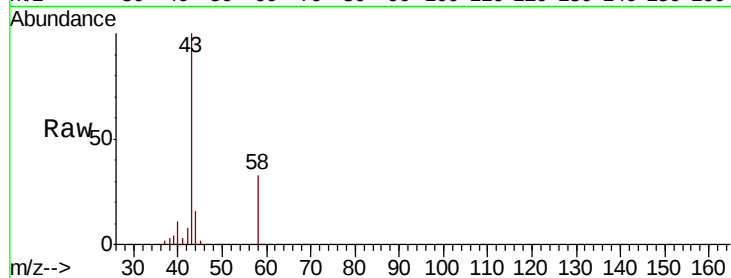
290-RT4008-RBR251686

Tot Ion: 43 Resp: 26678

Ion Ratio Lower Upper

43 100

58 33.9 25.4 38.0



#17

Carbon Disulfide

Concen: 0.581 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN052991.D

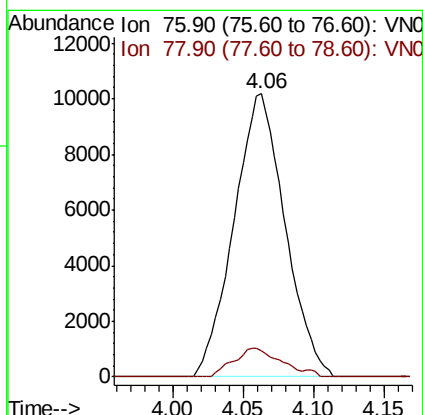
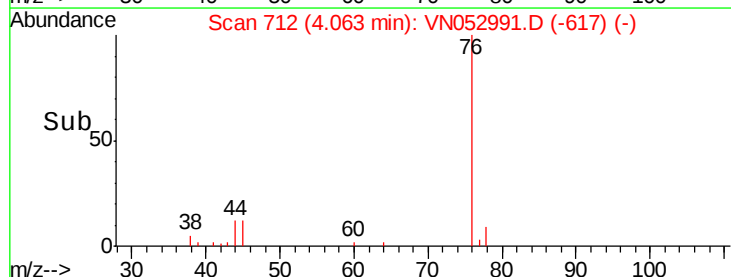
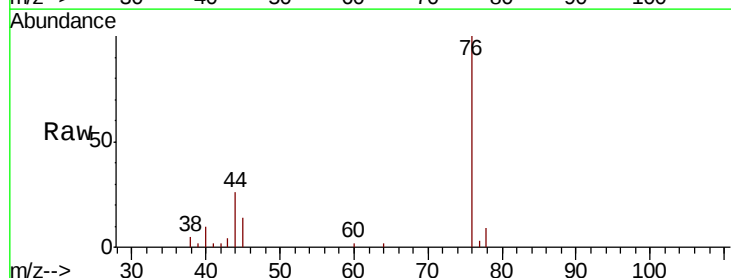
Acq: 19 Dec 2018 5:32

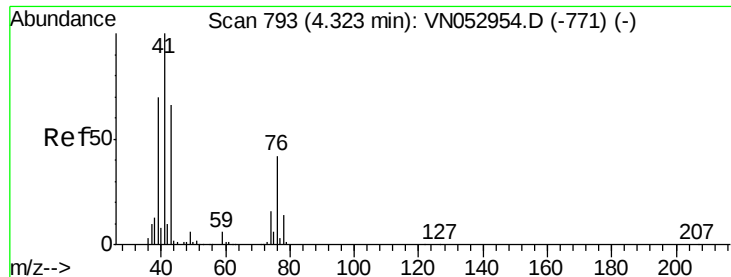
Tgt Ion: 76 Resp: 25731

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

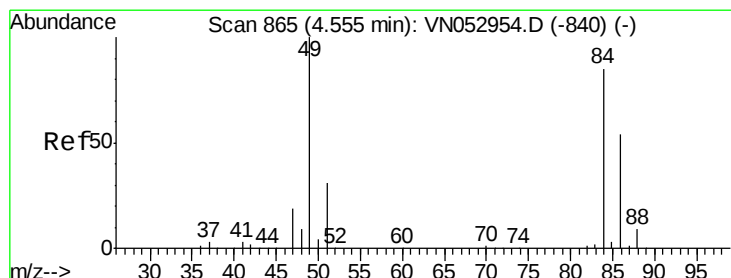
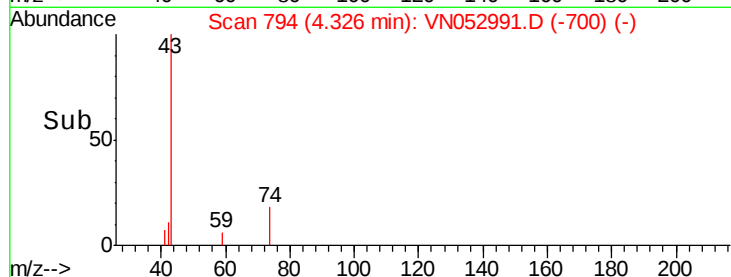
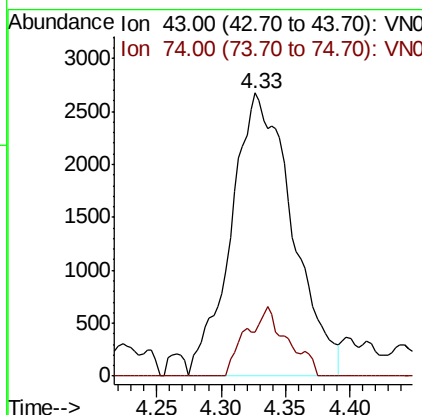
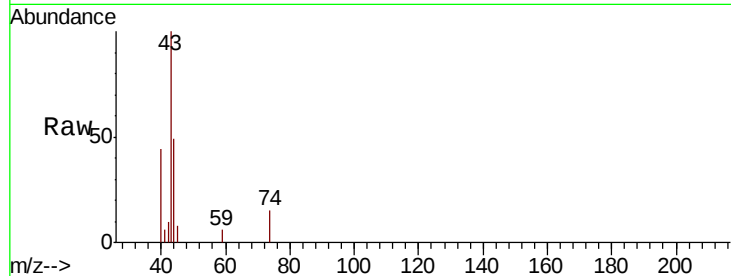




#18
Methvl Acetate
Concen: 1.668 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

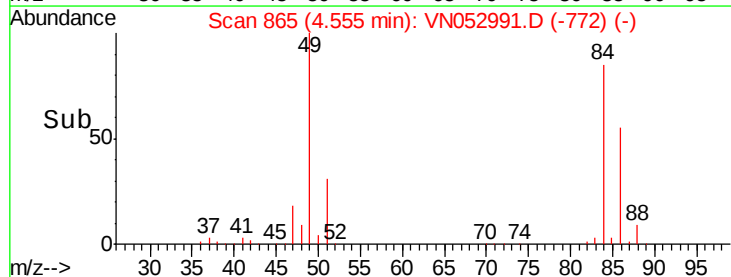
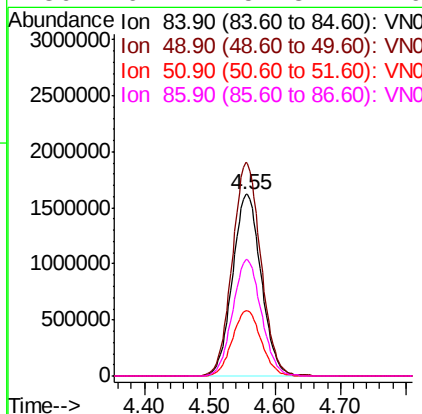
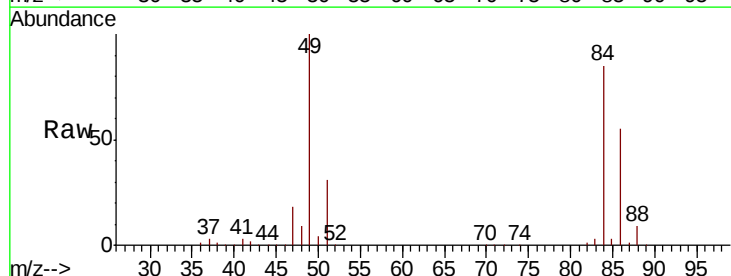
Instrument :
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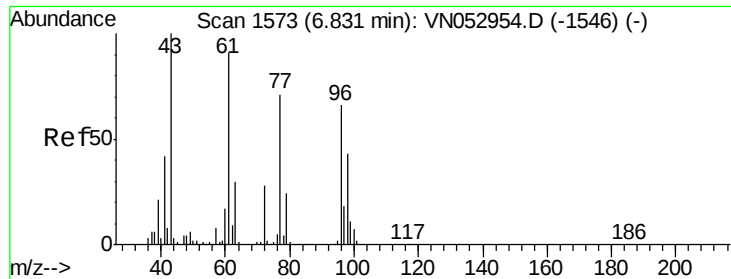
Tot Ion: 43 Resp: 8879
Ion Ratio Lower Upper
43 100
74 5.2 19.2 28.8#



#20
Methylene Chloride
Concen: 319.622 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

Tgt Ion: 84 Resp: 4942797
Ion Ratio Lower Upper
84 100
49 117.6 96.8 145.2
51 36.0 29.9 44.9
86 64.2 51.8 77.6





#25

2-Butanone

Concen: 0.778 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.02 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

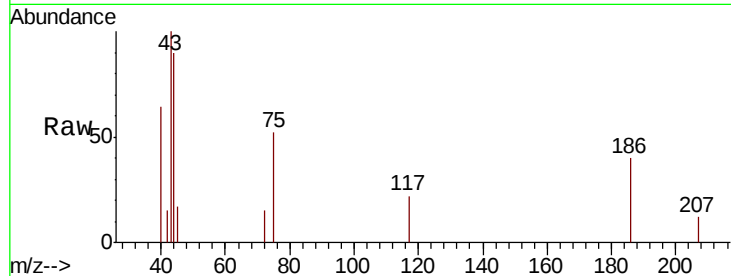
290-RT4008-RBR251686

Tot Ion: 43 Resp: 3700

Ion Ratio Lower Upper

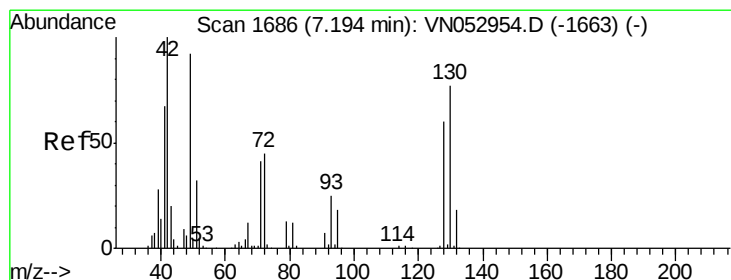
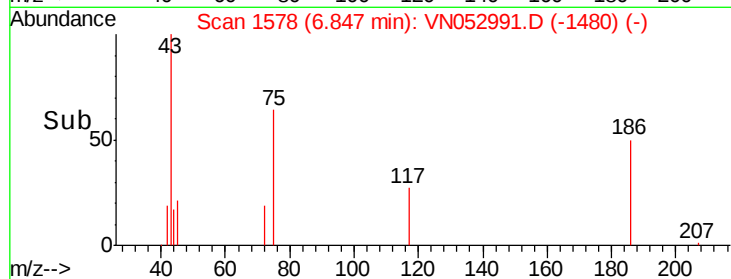
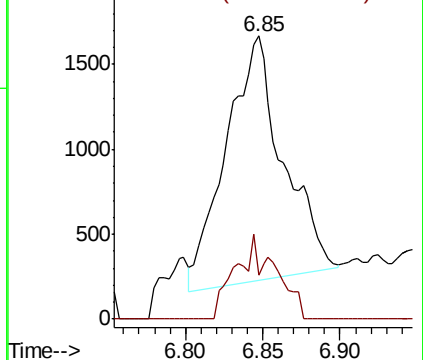
43 100

72 18.8 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#28

Bromochloromethane

Concen: 0.200 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

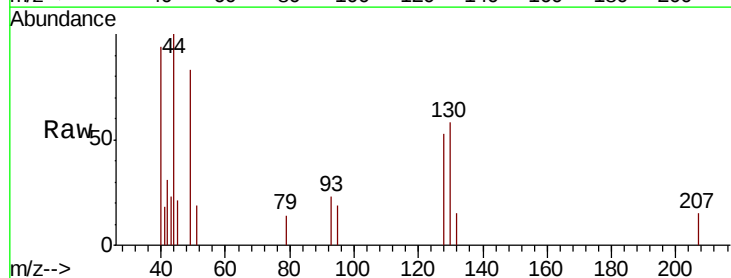
Tgt Ion: 49 Resp: 2317

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

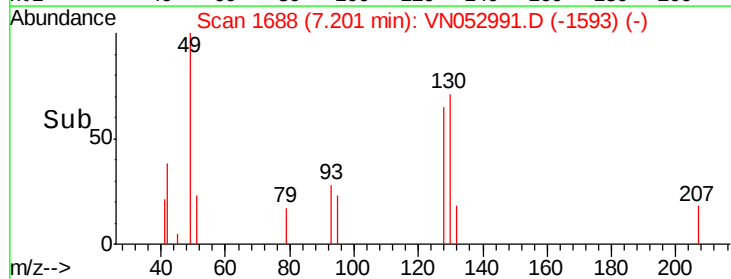
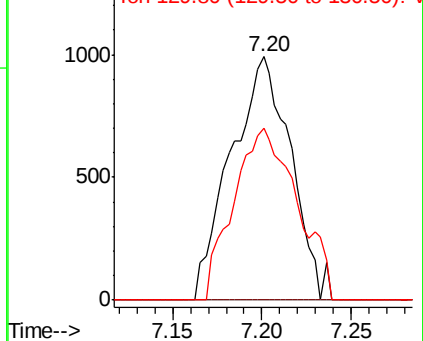
130 75.1 63.3 94.9

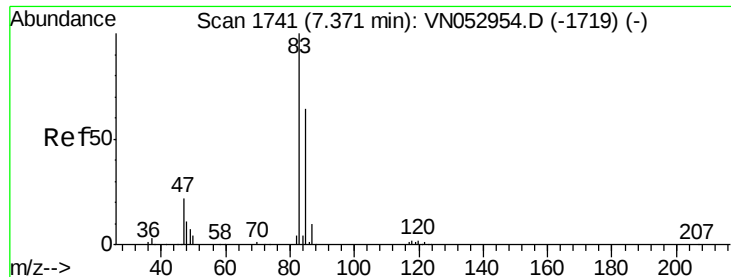


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

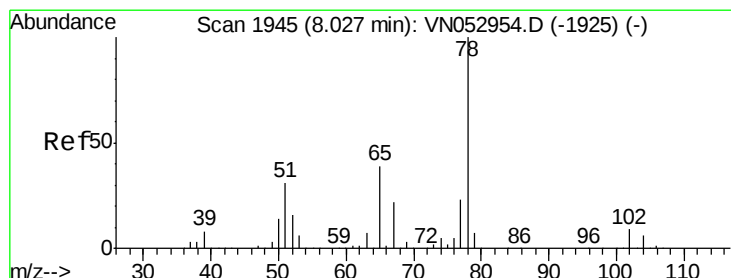
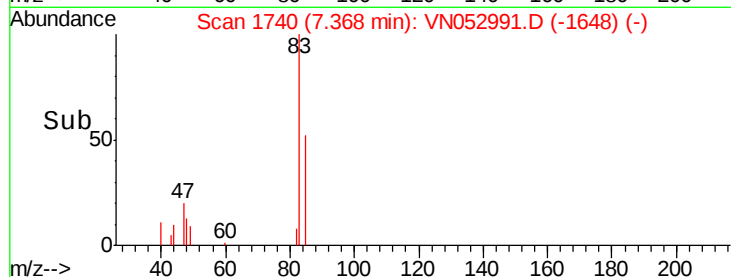
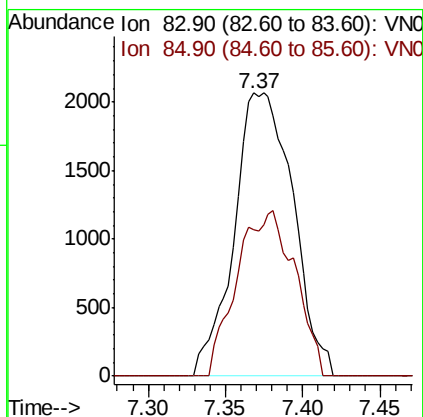
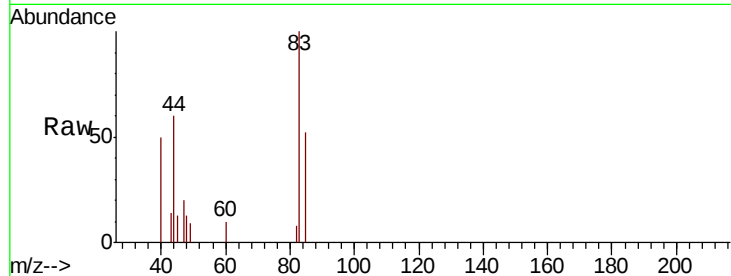




#30
Chloroform
Concen: 0.209 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

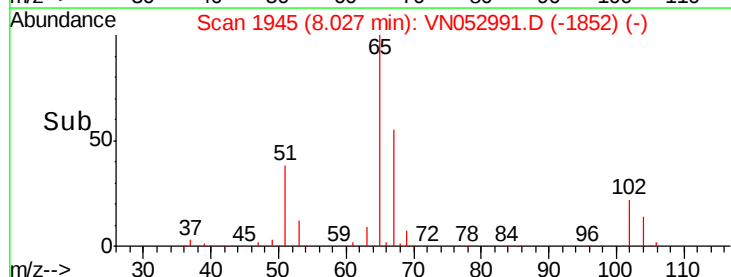
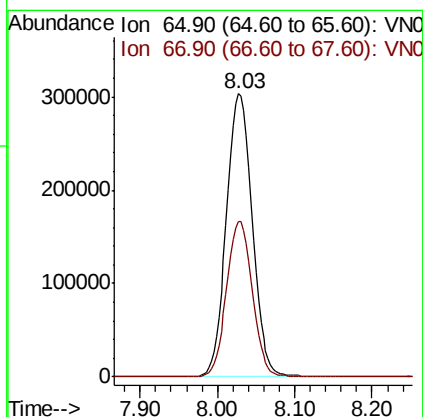
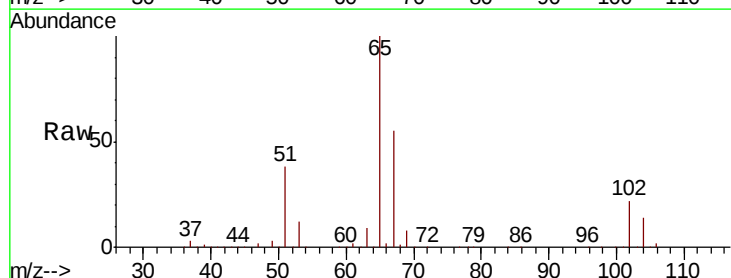
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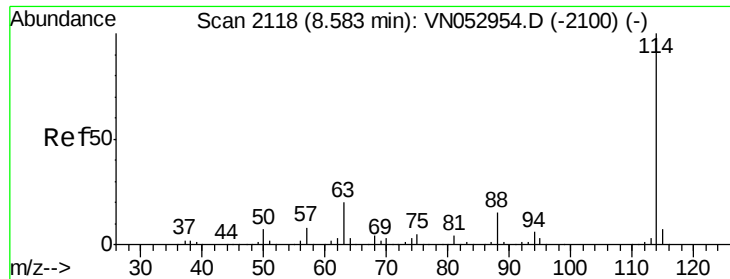
Tot Ion: 83 Resp: 5466
Ion Ratio Lower Upper
83 100
85 51.6 52.1 78.1#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

Tgt Ion: 65 Resp: 704858
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.4

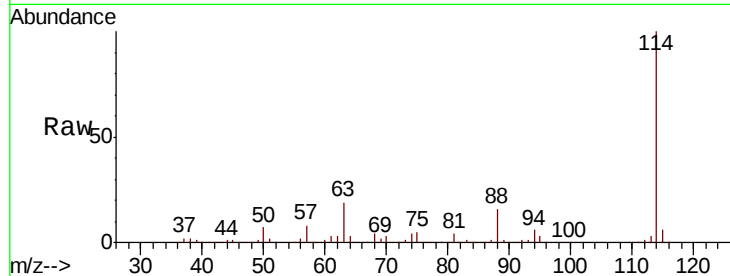




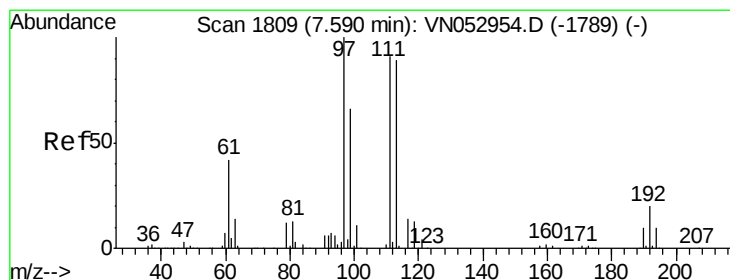
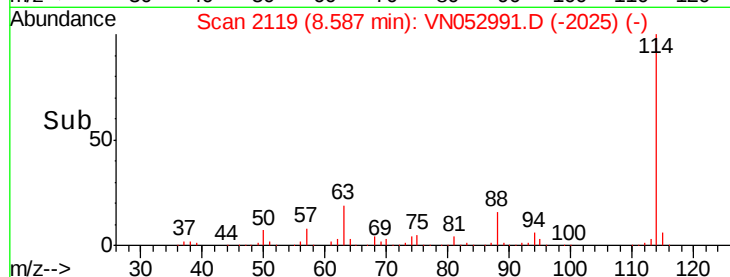
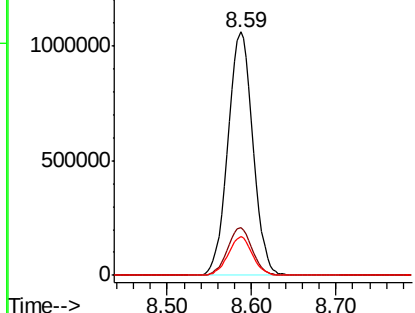
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052991.D
 Acq: 19 Dec 2018 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 290-RT4008-RBR251686

Tot Ion:114 Resp: 2182030
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.8 0.0 31.0

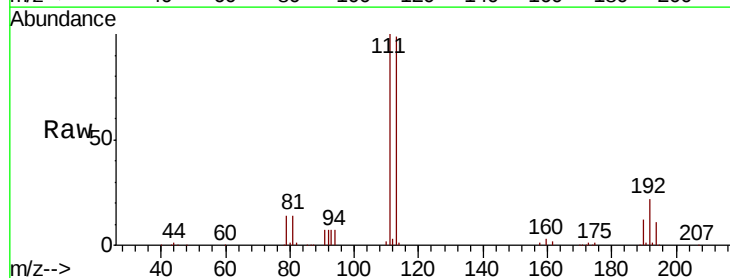


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

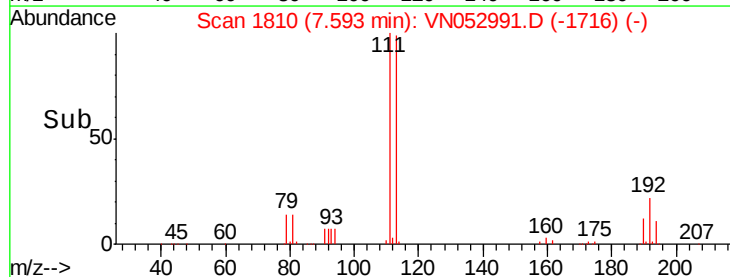
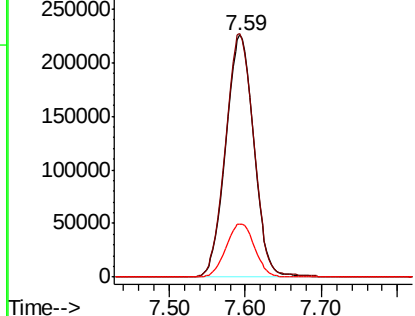


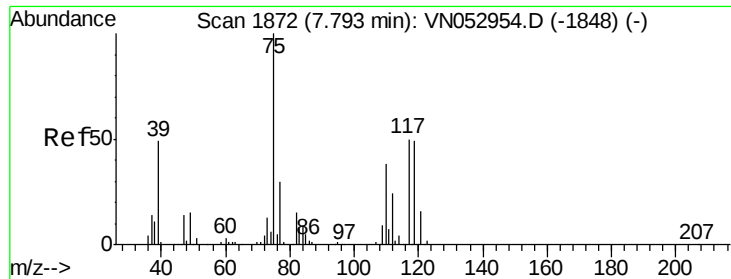
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052991.D
 Acq: 19 Dec 2018 5:32

Tgt Ion:113 Resp: 580639
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.4
 192 22.3 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

290-RT4008-RBR251686

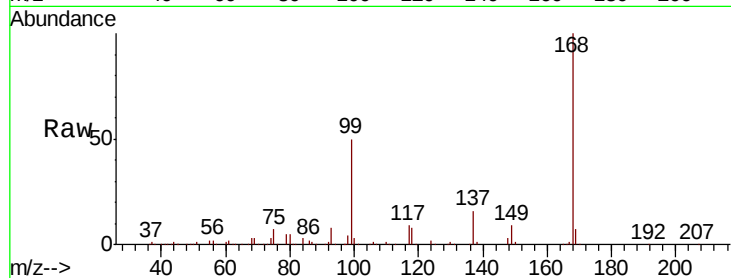
Tot Ion: 75 Resp: 90911

Ion Ratio Lower Upper

75 100

110 9.2 18.2 54.6#

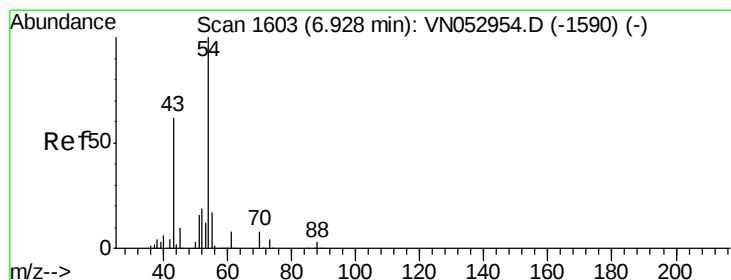
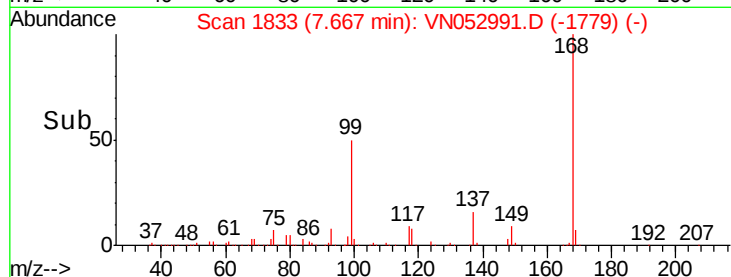
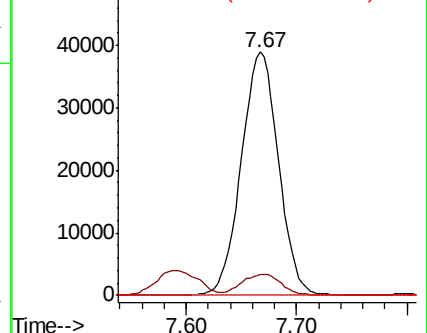
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.316 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.08 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

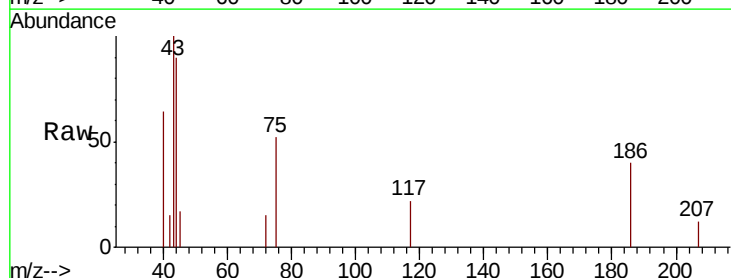
Tgt Ion: 43 Resp: 3700

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

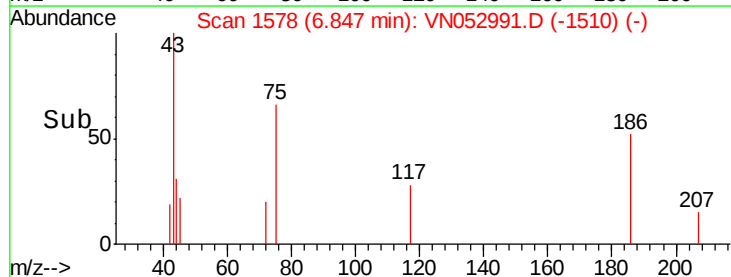
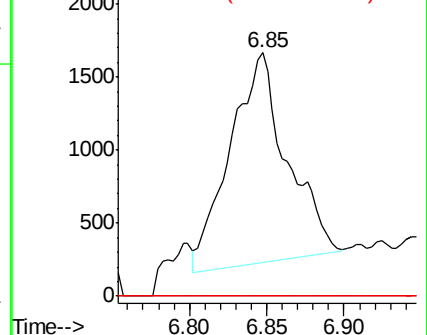
70 0.0 8.4 12.6#

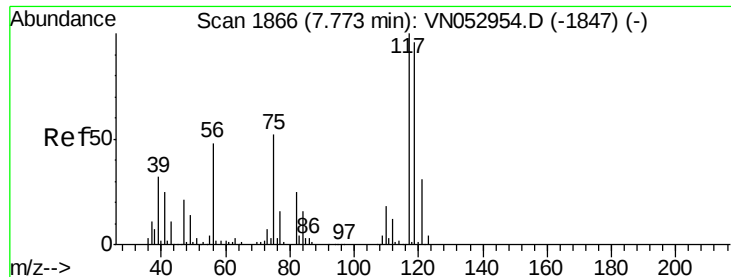


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.462 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

290-RT4008-RBR251686

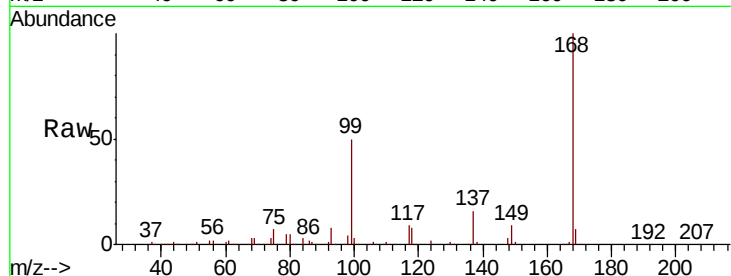
Tot Ion:117 Resp: 124057

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

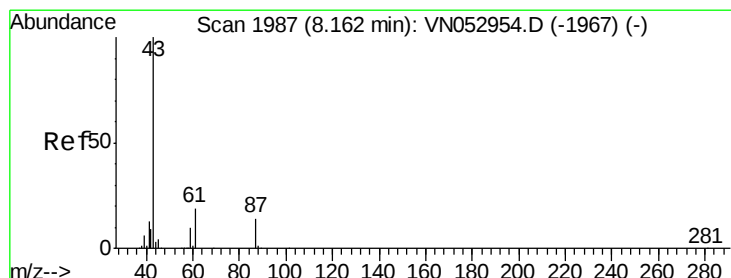
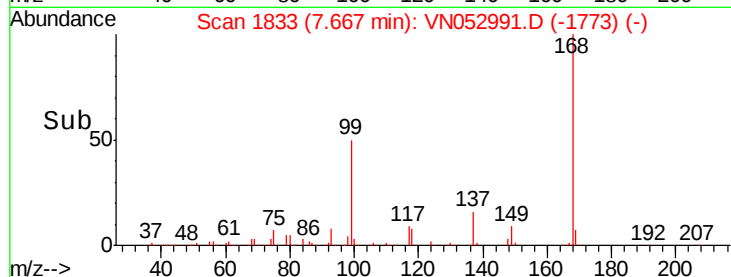
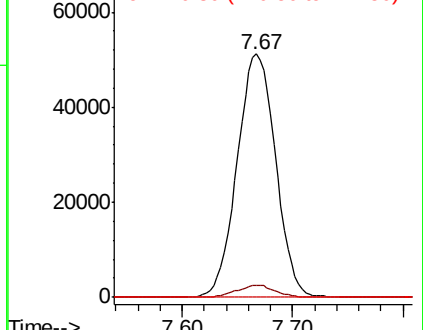
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 2.626 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

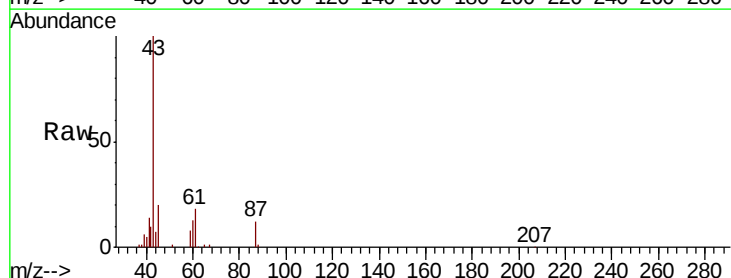
Tgt Ion: 43 Resp: 81815

Ion Ratio Lower Upper

43 100

61 16.9 22.9 34.3#

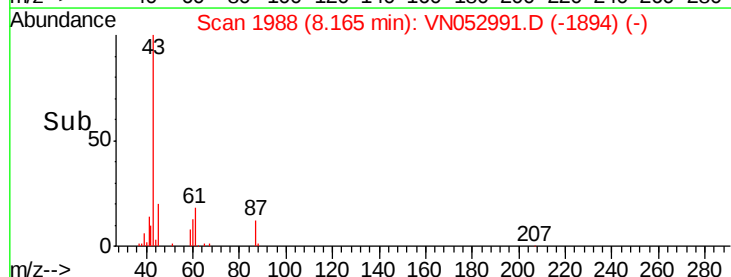
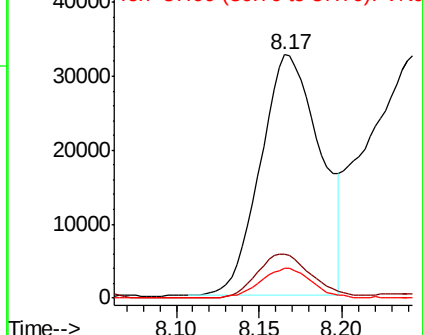
87 10.6 10.6 15.8

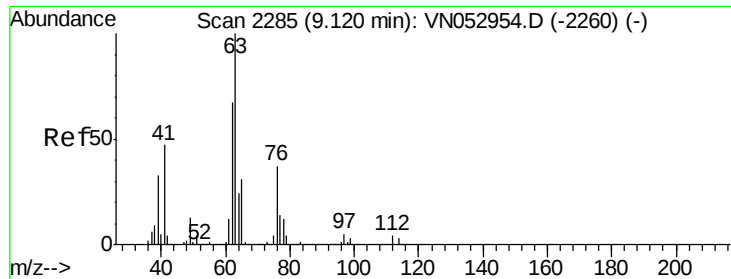


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.246 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

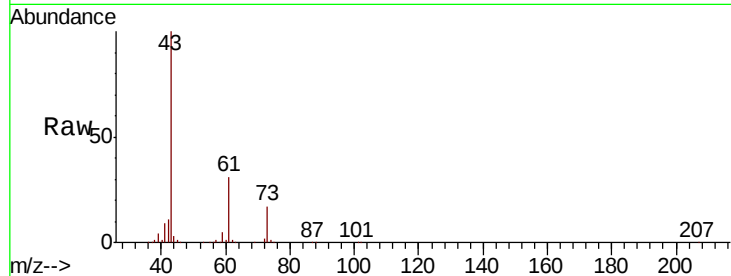
290-RT4008-RBR251686

Tot Ion: 63 Resp: 3990

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.27

2500

2000

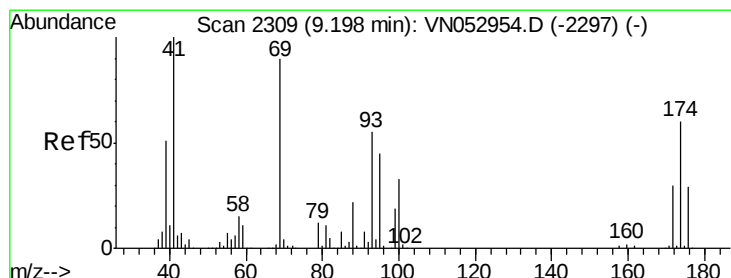
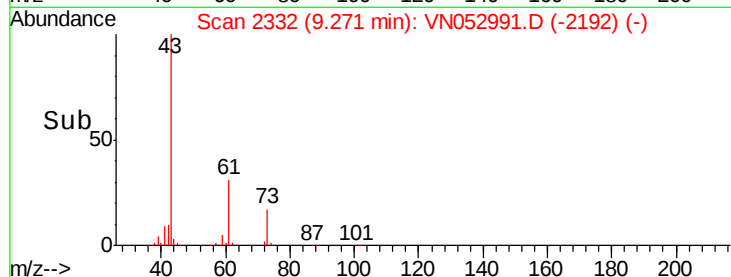
1500

1000

500

0

Time--> 9.20 9.25 9.30



#48

Methyl methacrylate

Concen: 2.051 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

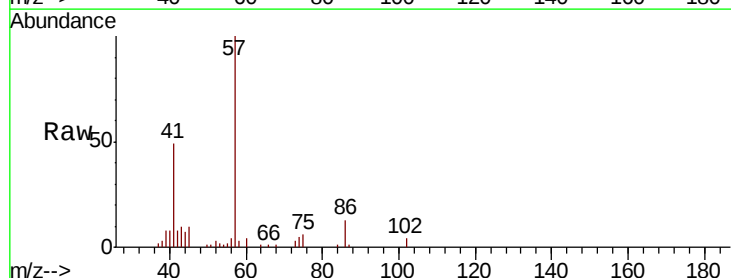
Tgt Ion: 41 Resp: 23273

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

39 18.0 41.9 62.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

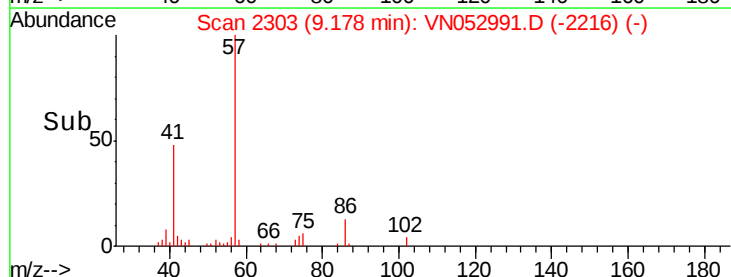
150000

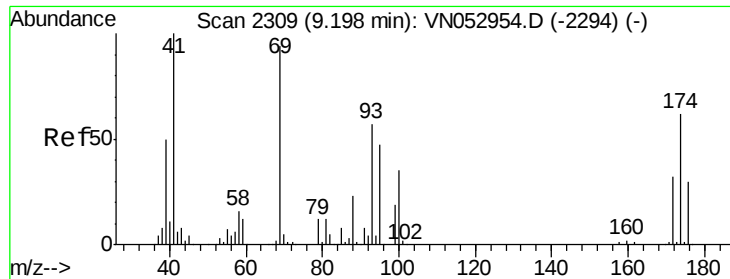
100000

50000

0

Time--> 9.10 9.15 9.20 9.25





#49

1,4-Dioxane

Concen: 2.801 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.08 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

290-RT4008-RBR251686

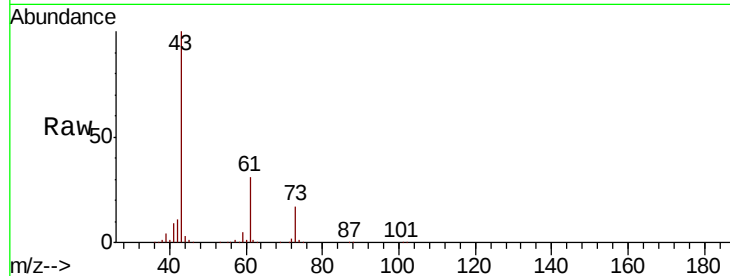
Tot Ion: 88 Resp: 402

Ion Ratio Lower Upper

88 100

43 742977.1 26.6 40.0#

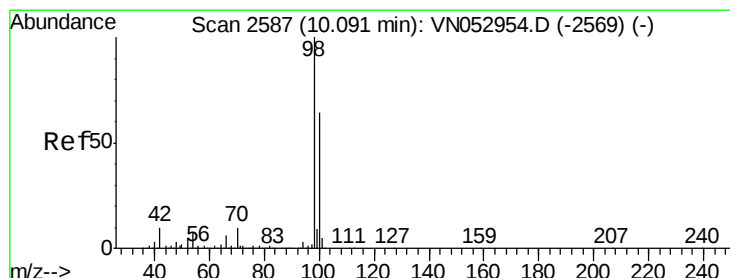
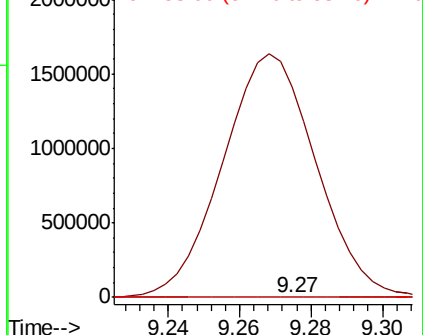
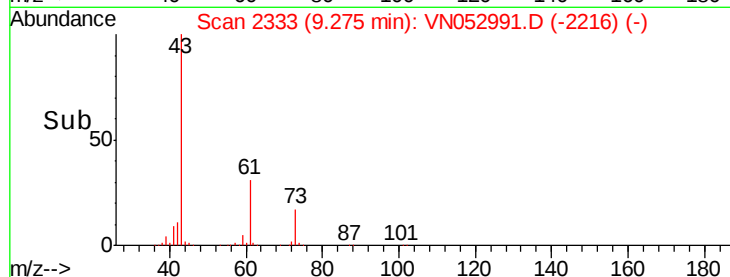
58 3127.6 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 2.801 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052991.D

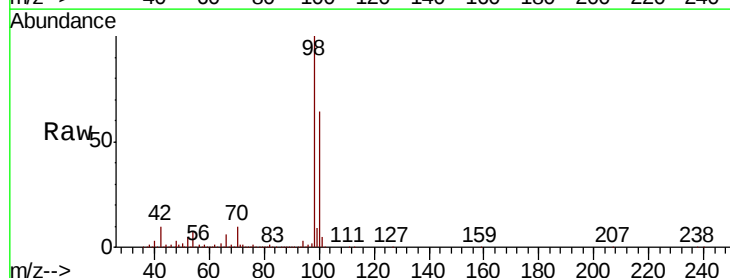
Acq: 19 Dec 2018 5:32

Tgt Ion: 98 Resp: 2640665

Ion Ratio Lower Upper

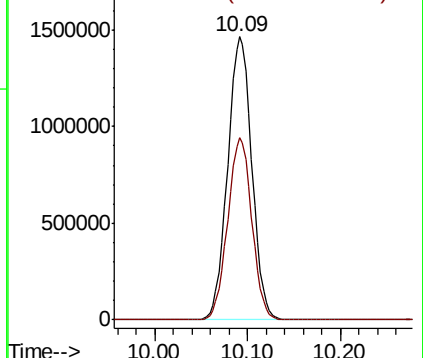
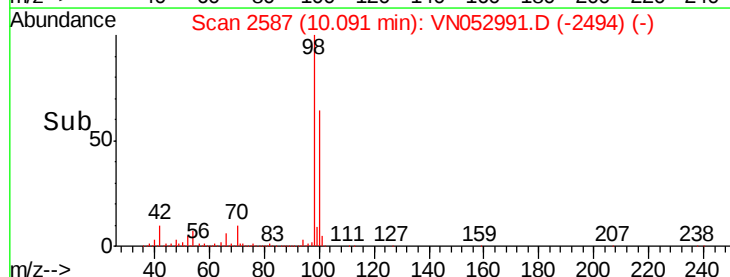
98 100

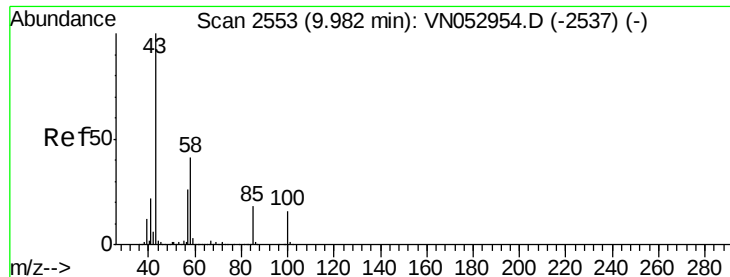
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

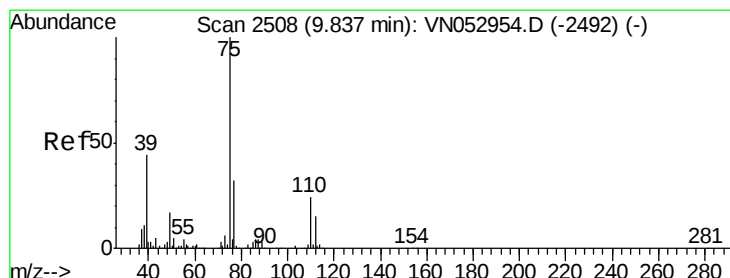
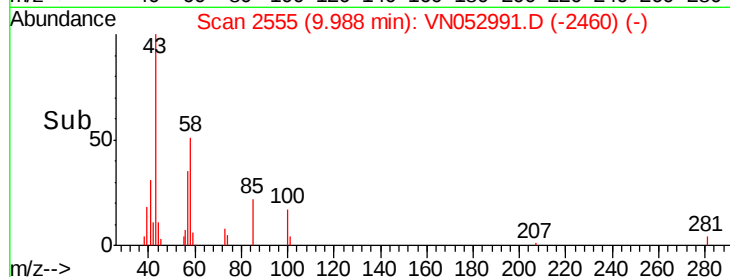
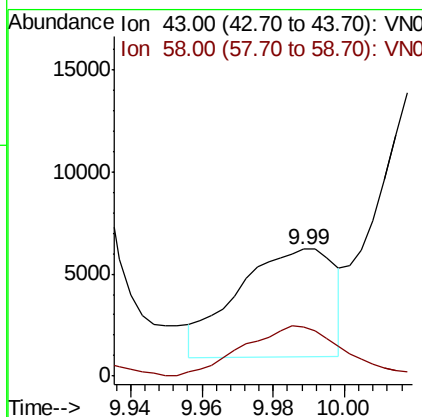
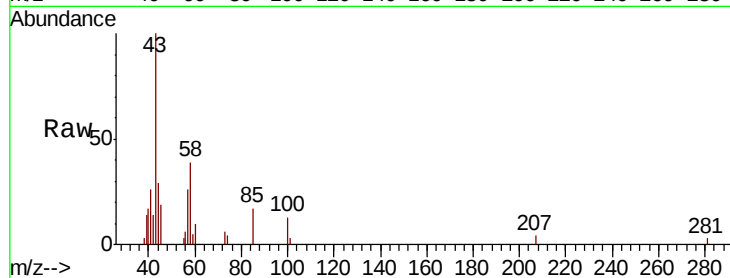




#51
 4-Methyl-2-Pentanone
 Concen: 0.880 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: VN052991.D
 Acq: 19 Dec 2018 5:32

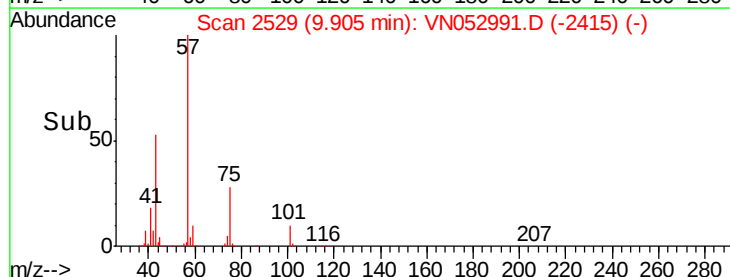
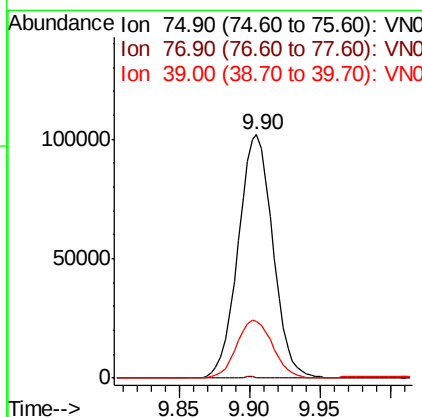
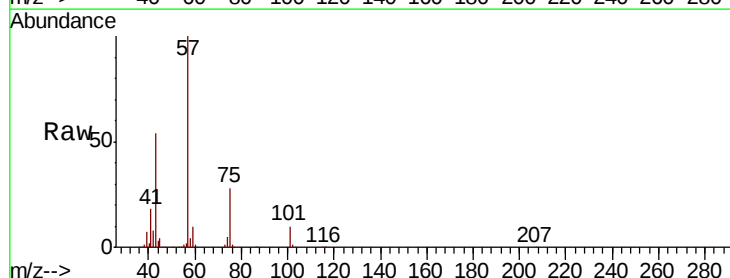
Instrument :
 MSVOA_N
 ClientSampleId :
 290-RT4008-RBR251686

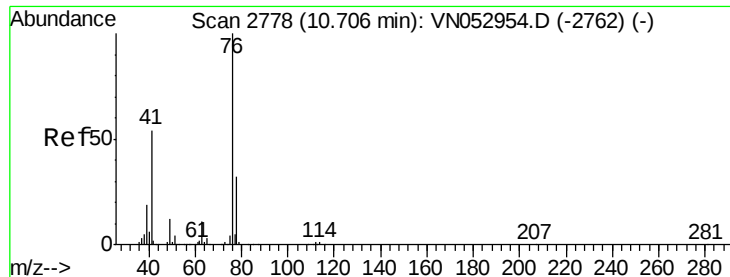
Tot Ion: 43 Resp: 9960
 Ion Ratio Lower Upper
 43 100
 58 47.2 32.2 48.4



#54
 cis-1,3-Dichloropropene
 Concen: 7.235 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN052991.D
 Acq: 19 Dec 2018 5:32

Tgt Ion: 75 Resp: 175466
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.8#
 39 23.2 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.067 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

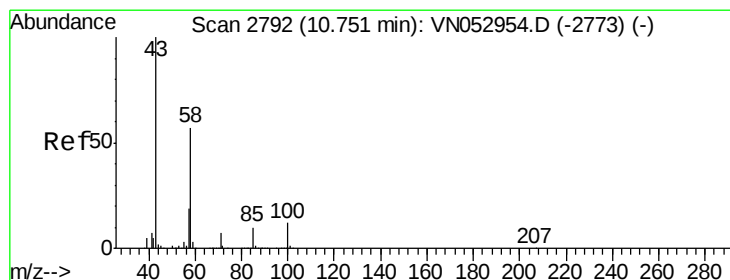
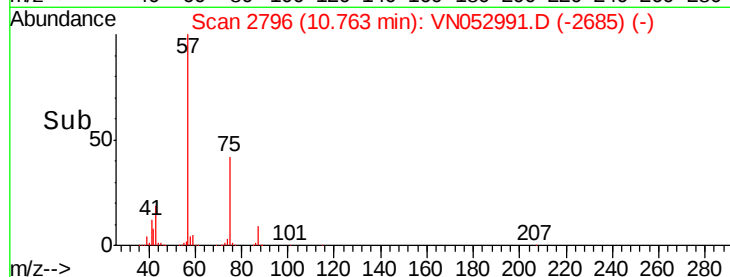
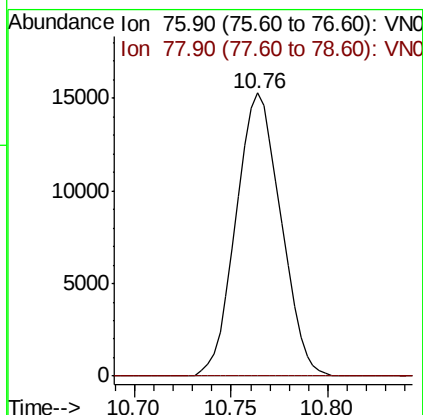
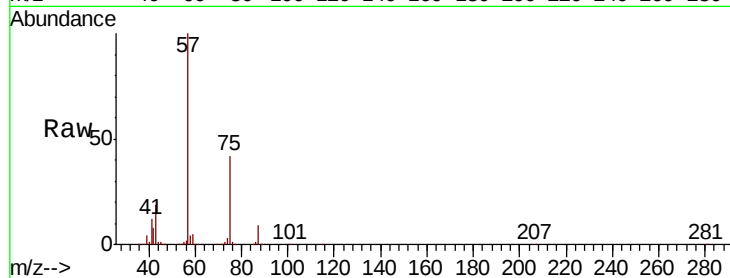
290-RT4008-RBR251686

Tot Ion: 76 Resp: 24646

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 43.168 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052991.D

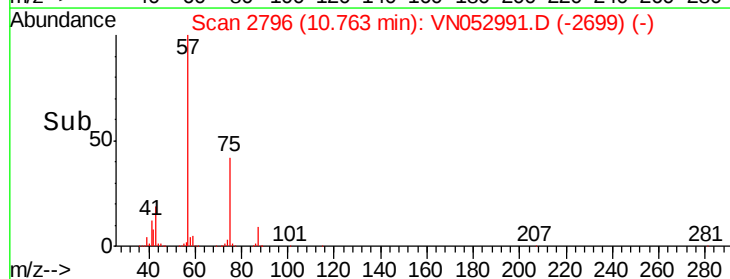
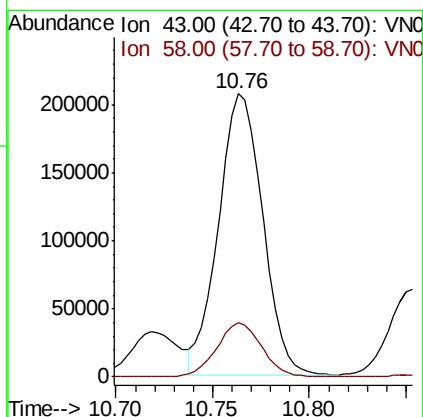
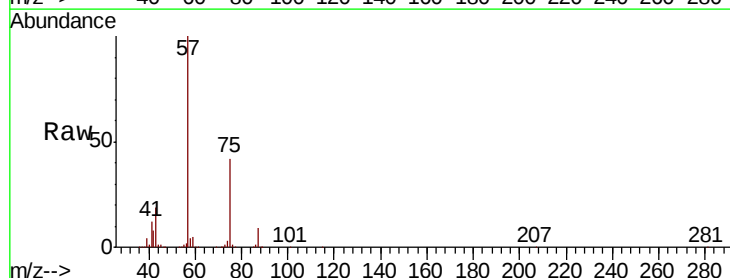
Acq: 19 Dec 2018 5:32

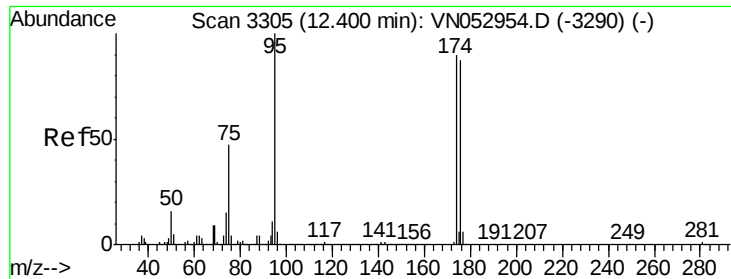
Tgt Ion: 43 Resp: 330699

Ion Ratio Lower Upper

43 100

58 19.6 28.1 84.3#

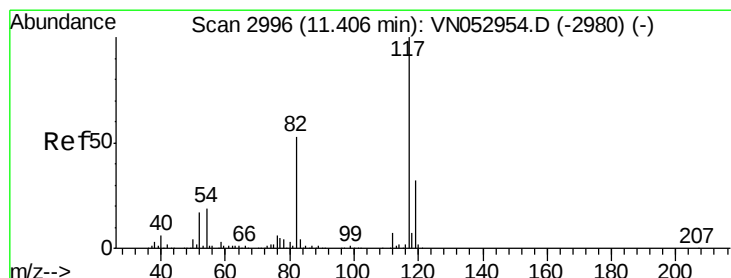
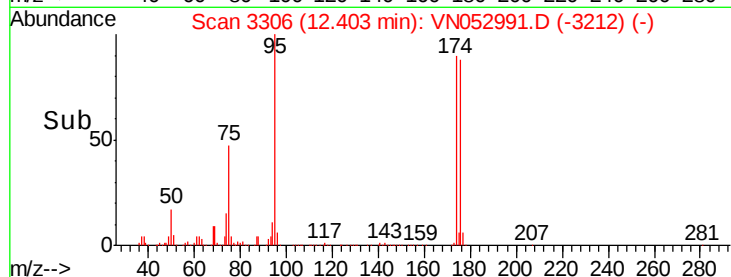
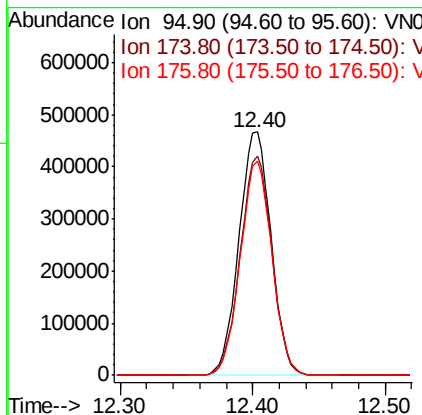
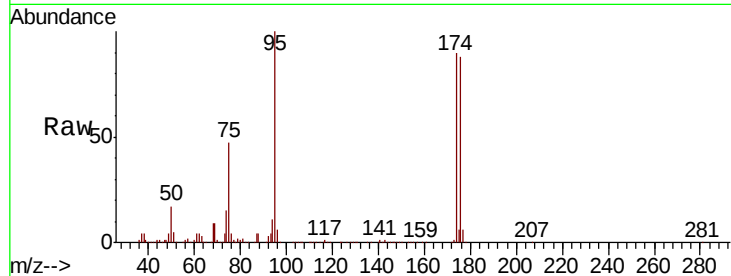




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

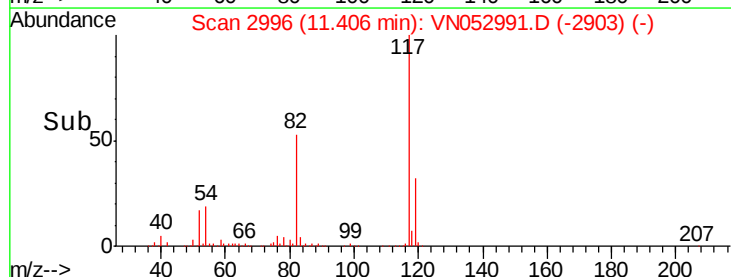
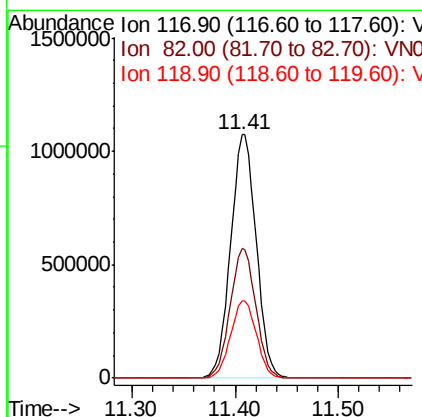
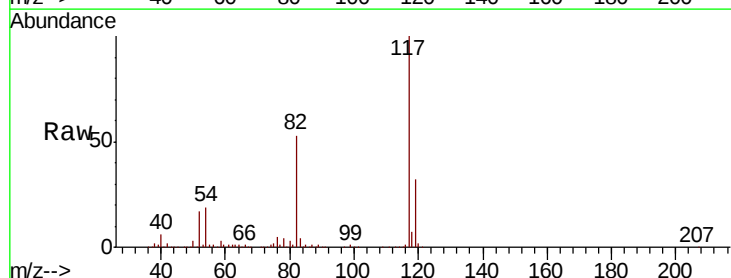
Instrument :
MSVOA_N
ClientSampleId :
290-RT4008-RBR251686

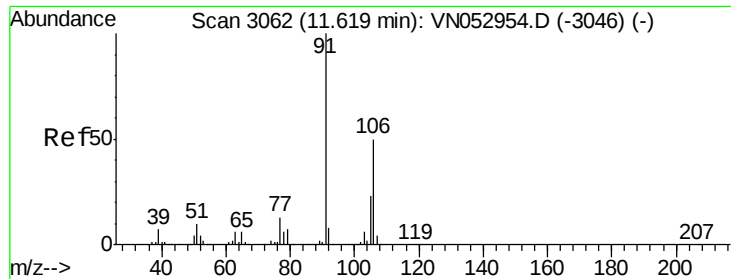
Tot Ion: 95 Resp: 784819
Ion Ratio Lower Upper
95 100
174 89.1 0.0 178.8
176 86.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

Tgt Ion: 117 Resp: 1855968
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 31.9 25.5 38.3

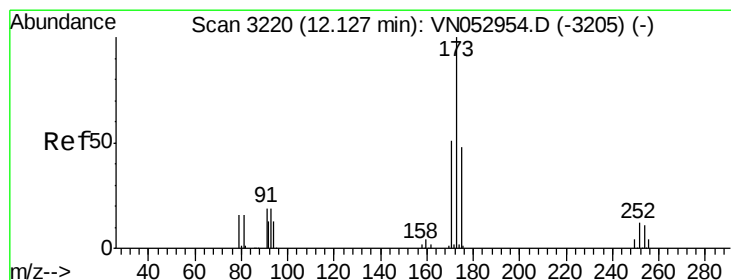
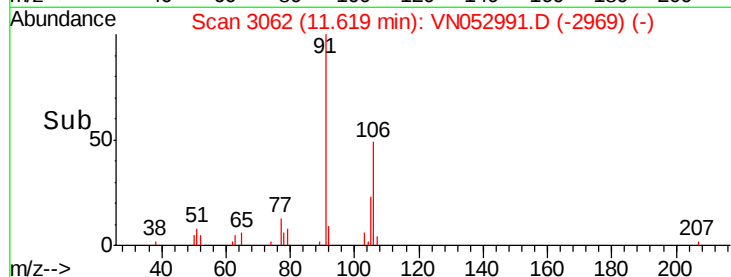
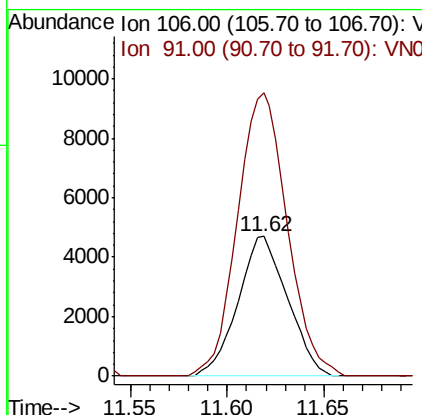
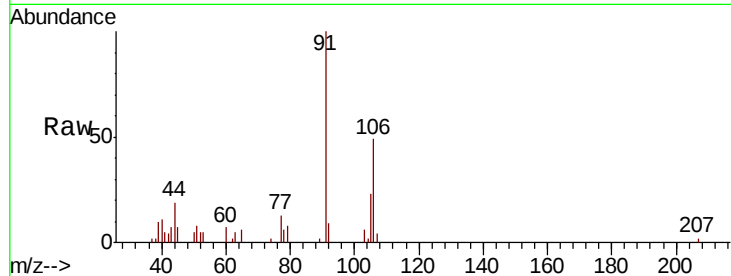




#68
m/p-Xvlenes
Concen: 0.312 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

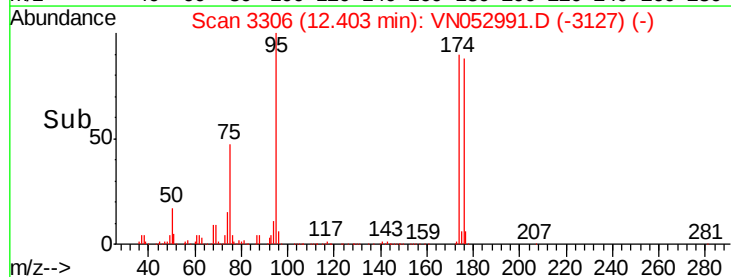
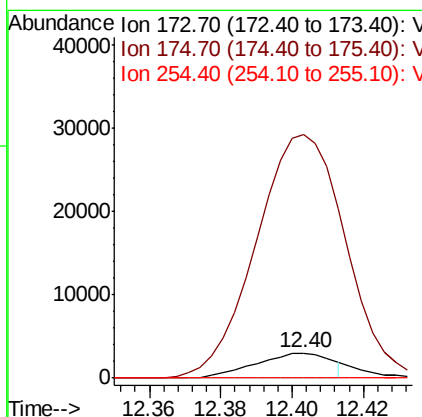
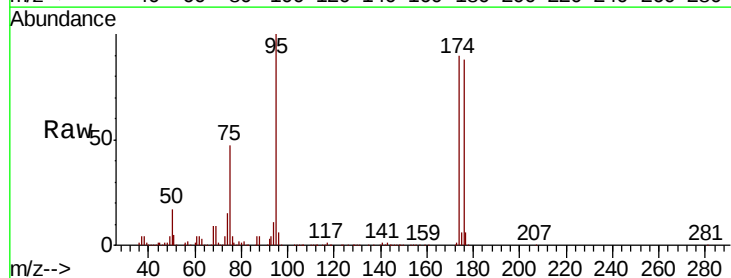
Instrument :
MSVOA_N
ClientSampleId :
290-RT4008-RBR251686

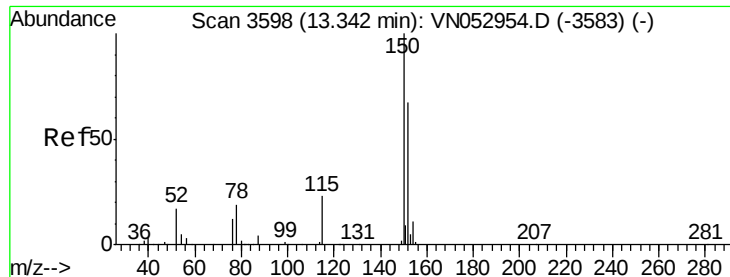
Tot Ion:106 Resp: 8392
Ion Ratio Lower Upper
106 100
91 203.1 162.2 243.4



#71
Bromoform
Concen: 0.427 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052991.D
Acq: 19 Dec 2018 5:32

Tgt Ion:173 Resp: 4410
Ion Ratio Lower Upper
173 100
175 989.8 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

290-RT4008-RBR251686

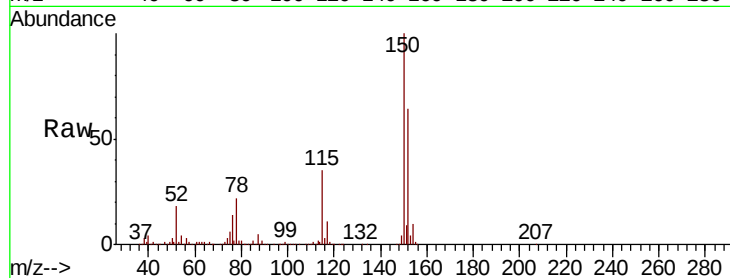
Tot Ion:152 Resp: 653651

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

150 155.7 0.0 347.8

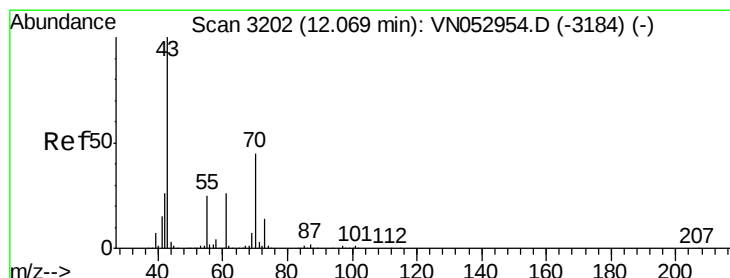
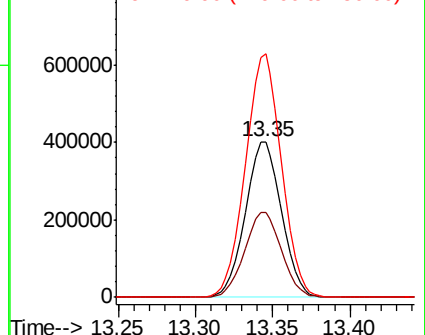
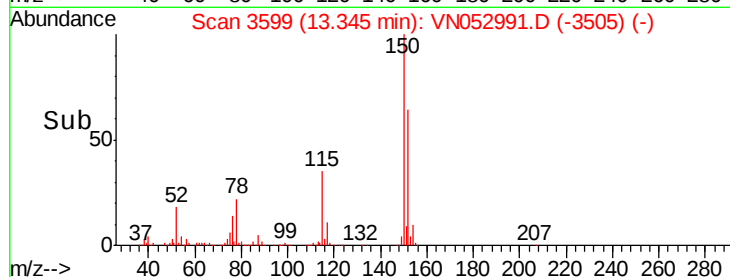


Abundance

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



#74

N-ethyl acetate

Concen: 1.908 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Tgt Ion: 43 Resp: 27092

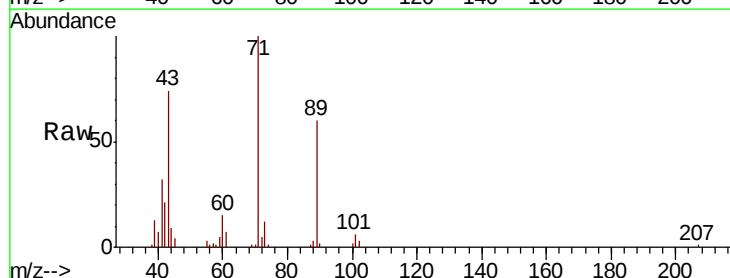
Ion Ratio Lower Upper

43 100

70 2.0 34.2 51.4#

55 5.6 20.3 30.5#

61 11.1 20.0 30.0#



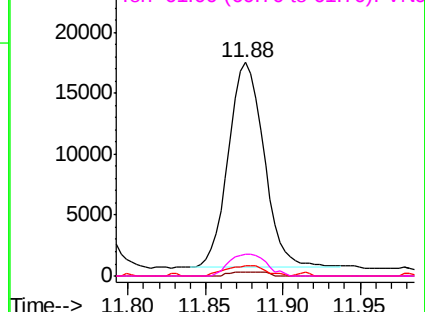
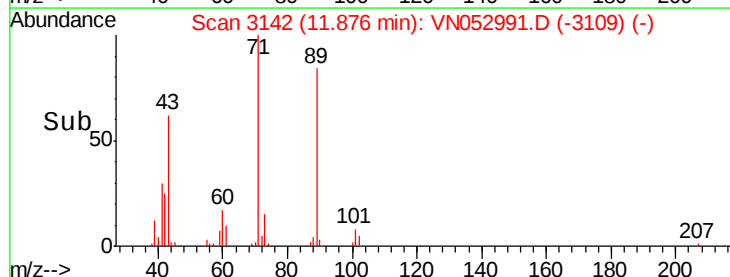
Abundance

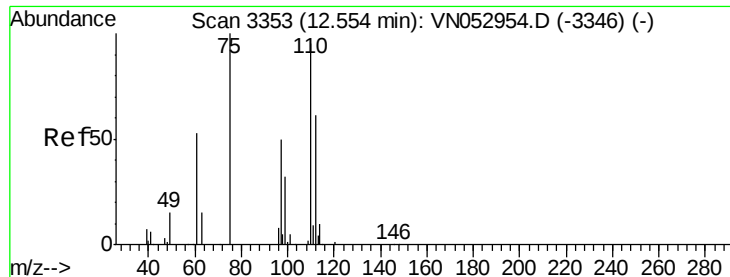
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 33.332 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

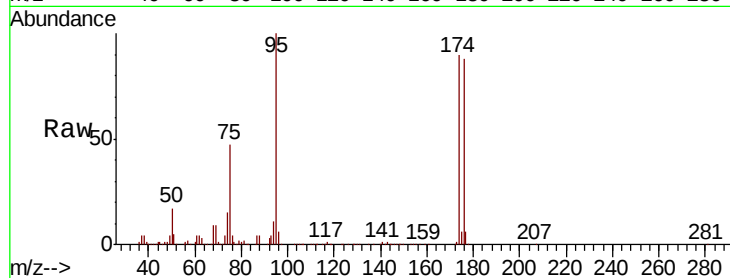
290-RT4008-RBR251686

Tot Ion: 75 Resp: 366774

Ion Ratio Lower Upper

75 100

77 1.1 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

250000

200000

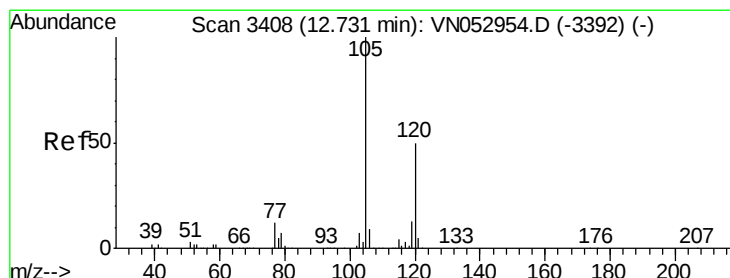
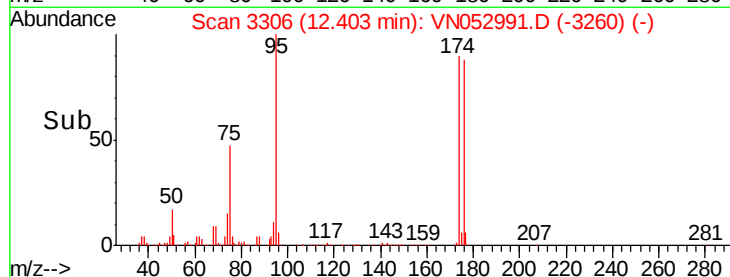
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.402 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052991.D

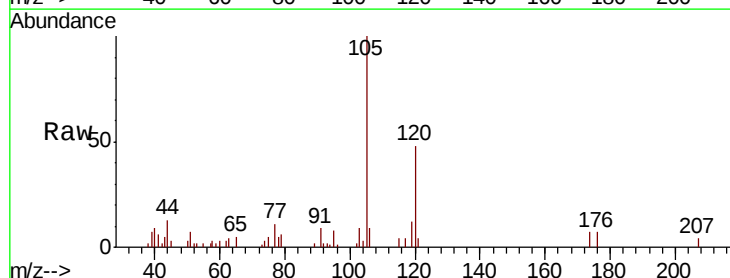
Acq: 19 Dec 2018 5:32

Tgt Ion: 105 Resp: 16763

Ion Ratio Lower Upper

105 100

120 51.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

12000

10000

8000

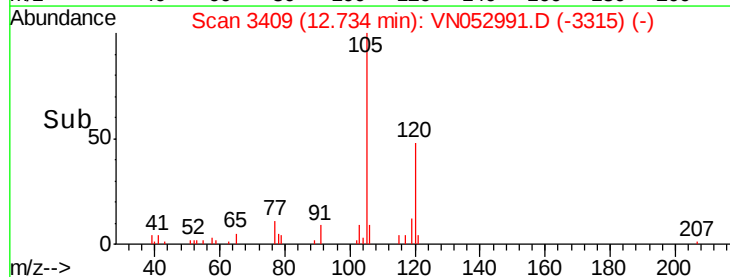
6000

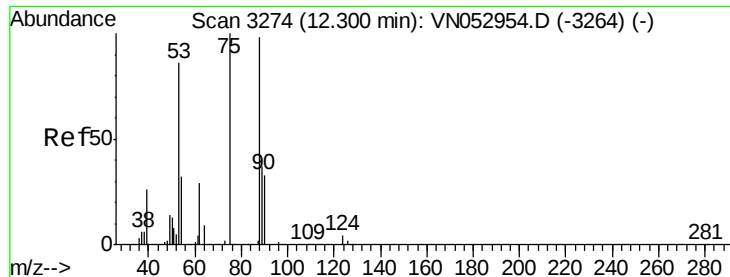
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 107.434 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

290-RT4008-RBR251686

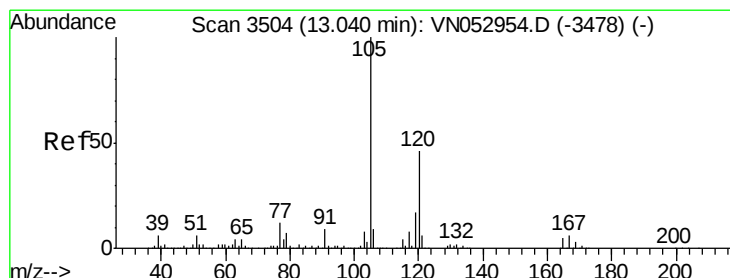
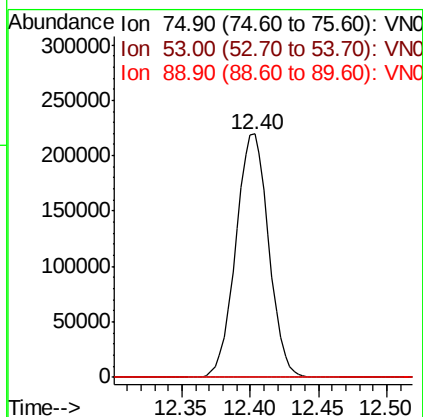
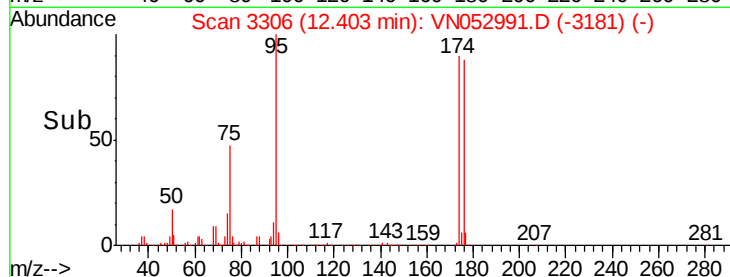
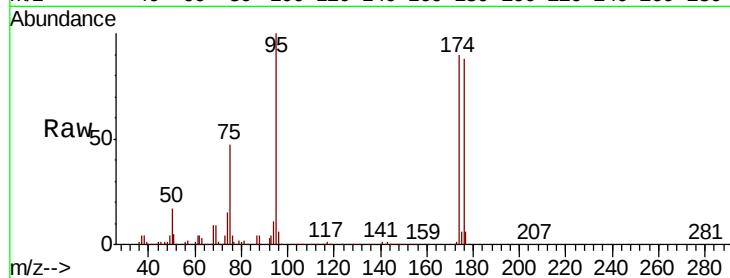
Tot Ion: 75 Resp: 366774

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



#84

1,2,4-Trimethylbenzene

Concen: 0.948 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052991.D

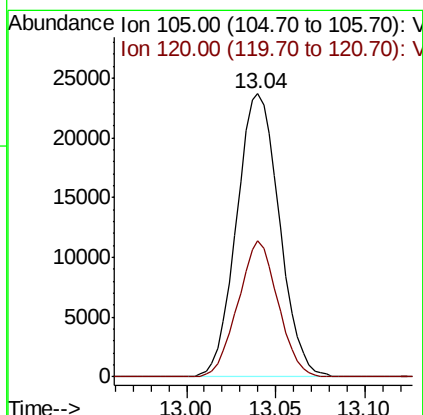
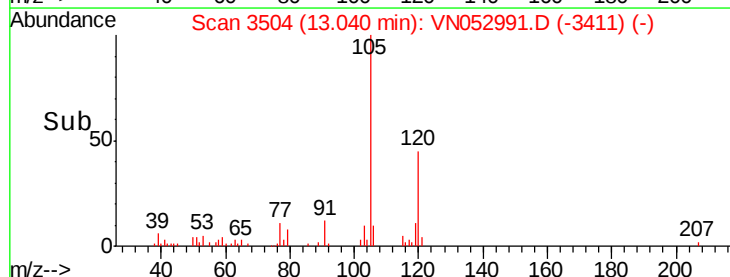
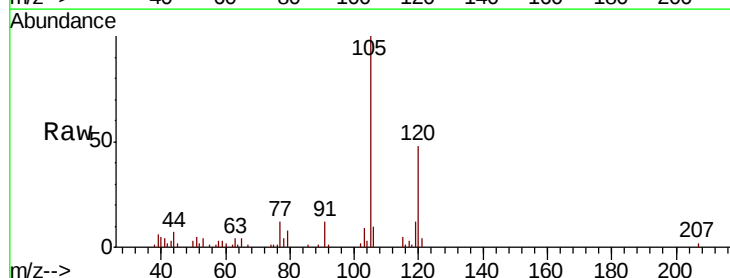
Acq: 19 Dec 2018 5:32

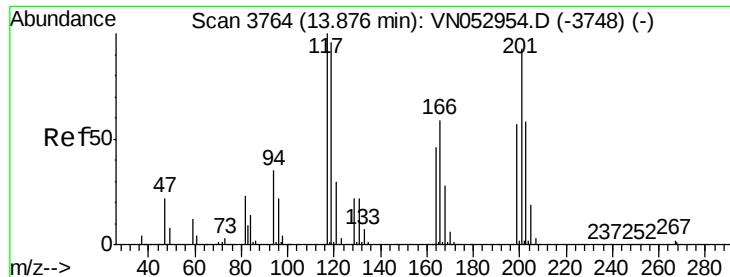
Tgt Ion: 105 Resp: 39714

Ion Ratio Lower Upper

105 100

120 44.8 22.9 68.8





#90

Hexachloroethane

Concen: 0.278 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

Instrument :

MSVOA_N

ClientSampleId :

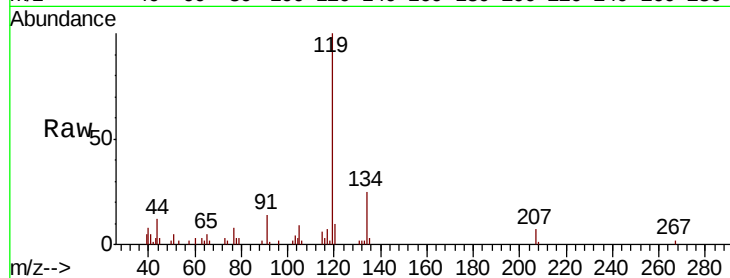
290-RT4008-RBR251686

Tot Ion:117 Resp: 1840

Ion Ratio Lower Upper

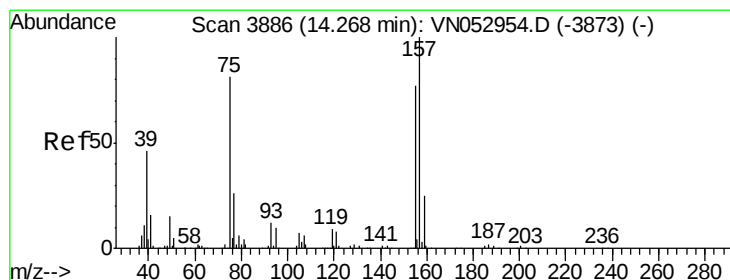
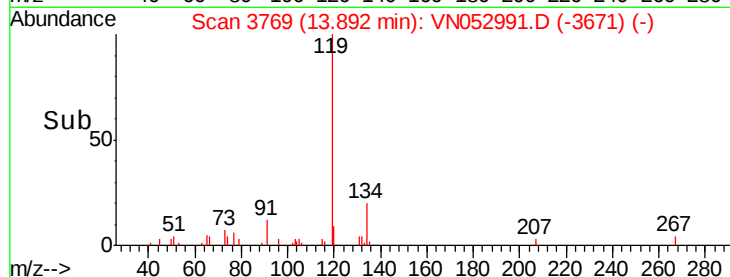
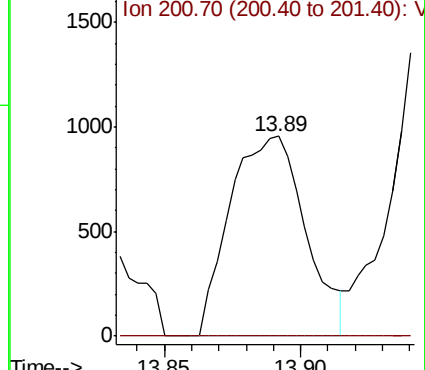
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.301 ug/l

RT: 14.48 min Scan# 3953

Delta R.T. 0.22 min

Lab File: VN052991.D

Acq: 19 Dec 2018 5:32

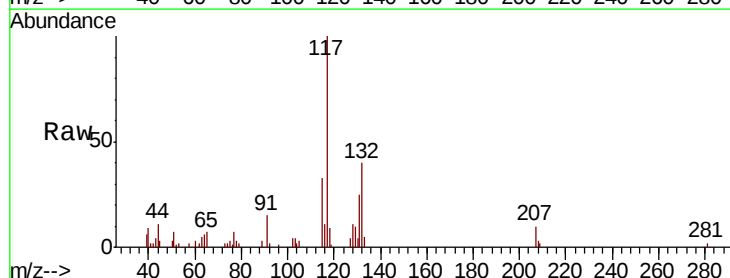
Tgt Ion: 75 Resp: 523

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

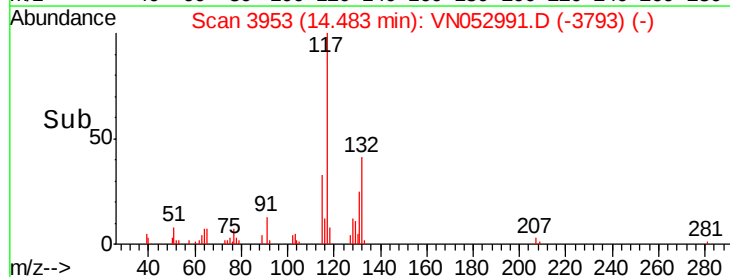
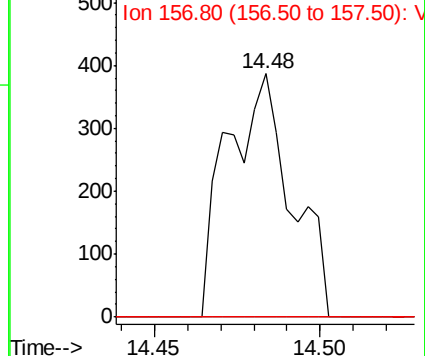
157 0.0 61.2 183.5#

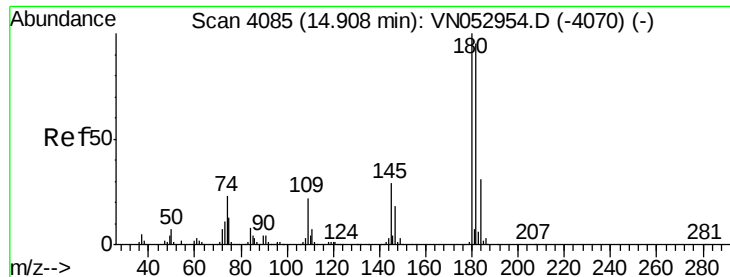


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

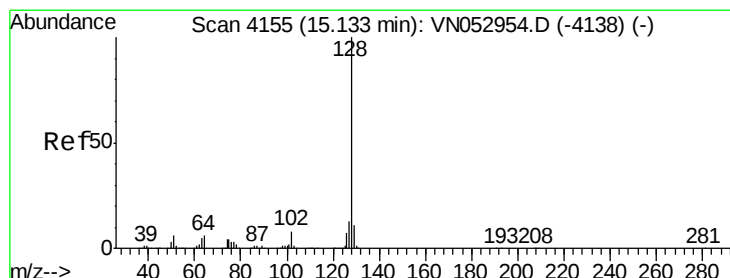
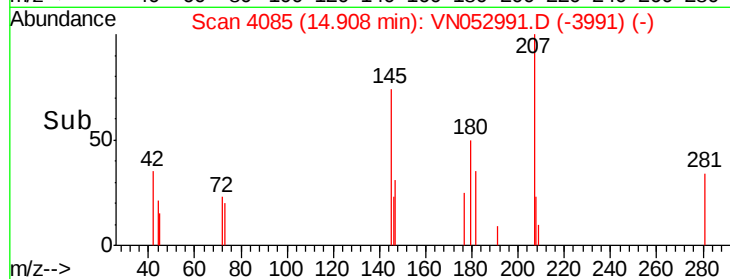
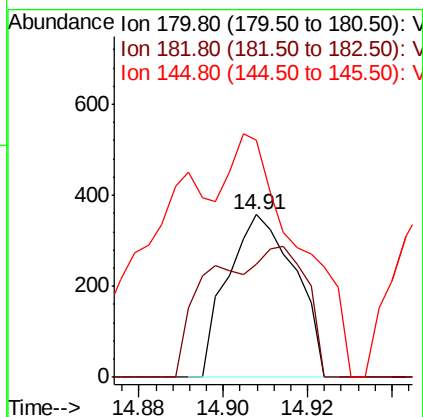
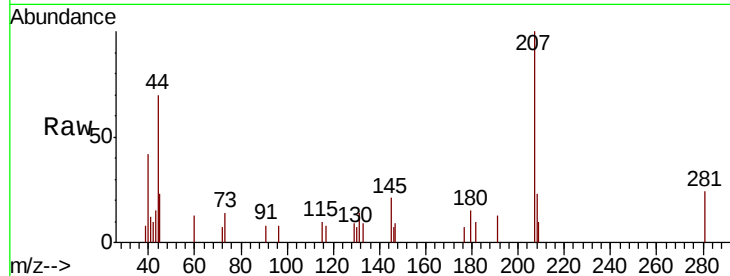




#93
 1,2,4-Trichlorobenzene
 Concen: 0.629 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052991.D
 Acq: 19 Dec 2018 5:32

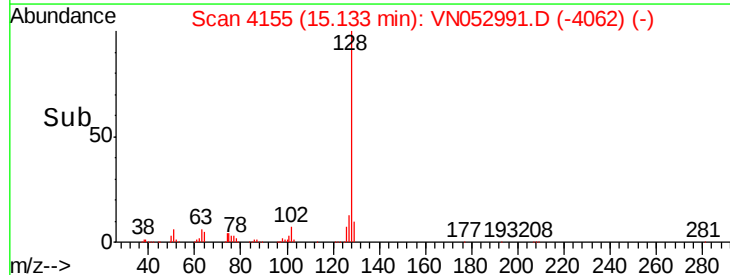
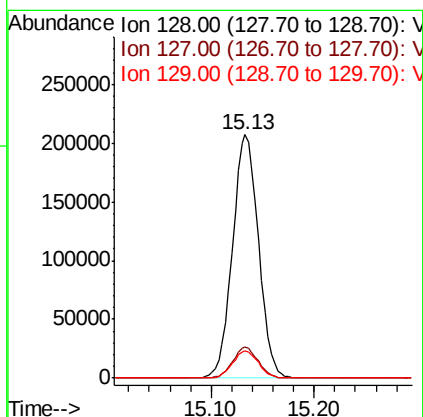
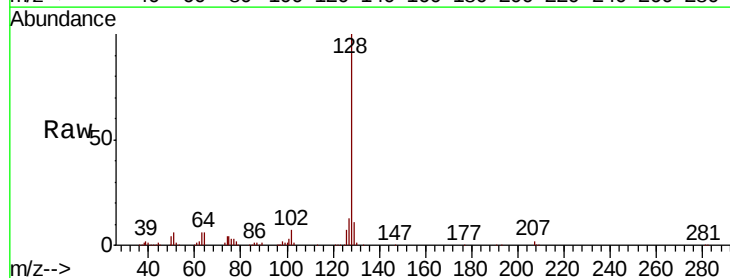
Instrument :
 MSVOA_N
 ClientSampleId :
 290-RT4008-RBR251686

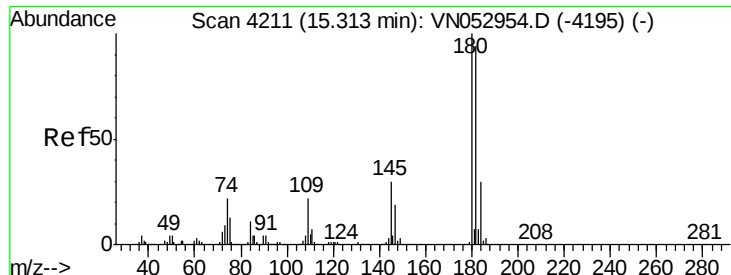
Tot Ion:180 Resp: 396
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 157.3 14.2 42.6#



#95
 Naphthalene
 Concen: 14.967 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN052991.D
 Acq: 19 Dec 2018 5:32

Tgt Ion:128 Resp: 363511
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.4
 129 11.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.539 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN052991.D
 Acq: 19 Dec 2018 5:32

Instrument :
 MSVOA_N
 ClientSampleId :
 290-RT4008-RBR251686

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.0	47.9	143.7
145	90.7	15.0	45.0

