

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053484.D
 Acq On : 18 Jan 2019 20:38
 Operator : JC/SP
 Sample : K1189-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR200034

Quant Time: Jan 19 00:25:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	870358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1355119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1305453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442235	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.59	113	391255	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1702819	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.40	95	601591	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.42	74	2317	0.489	ug/l	73
11) Tert butyl alcohol	4.78	59	147	0.349	ug/l #	72
13) Acrolein	3.60	56	62	22.806	ug/l #	14
14) Allyl chloride	4.56	41	140439	11.158	ug/l #	27
16) Acetone	3.82	43	11084	5.492	ug/l	93
18) Methyl Acetate	4.33	43	3121	0.459	ug/l #	67
20) Methylene Chloride	4.56	84	3824859	415.079	ug/l	99
25) 2-Butanone	6.84	43	931	0.299	ug/l #	47
29) Tetrahydrofuran	7.22	42	759	0.375	ug/l #	73
31) Cyclohexane	7.67	56	13968	0.703	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	56585	4.585	ug/l #	49
38) Carbon Tetrachloride	7.67	117	74416	6.369	ug/l #	16
41) Methacrylonitrile	7.22	41	521	0.789	ug/l #	34
43) Isopropyl Acetate	8.17	43	44154	3.458	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	2547	0.256	ug/l #	43
48) Methyl methacrylate	9.18	41	11990	1.819	ug/l #	12
49) 1,4-Dioxane	9.27	88	196	3.044	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	15081	2.164	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	96690	6.780	ug/l #	62
56) Ethyl methacrylate	10.55	69	1517	2.185	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	19425	1.399	ug/l #	43
59) 2-Hexanone	10.77	43	263347	53.827	ug/l #	50
68) m/p-Xylenes	11.62	106	8094	0.455	ug/l	90
69) o-Xylene	11.95	106	4474	0.259	ug/l	98
71) Bromoform	12.40	173	4050	0.612	ug/l #	1
74) N-amyl acetate	11.88	43	28945	2.475	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	282211	35.748	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	17578	0.492	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	282211	88.419	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	42017	1.167	ug/l	97
90) Hexachloroethane	13.89	117	2224	0.378	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	3222	3.135	ug/l #	58
95) Naphthalene	15.13	128	182924	15.575	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	3512	4.440	ug/l #	64

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QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

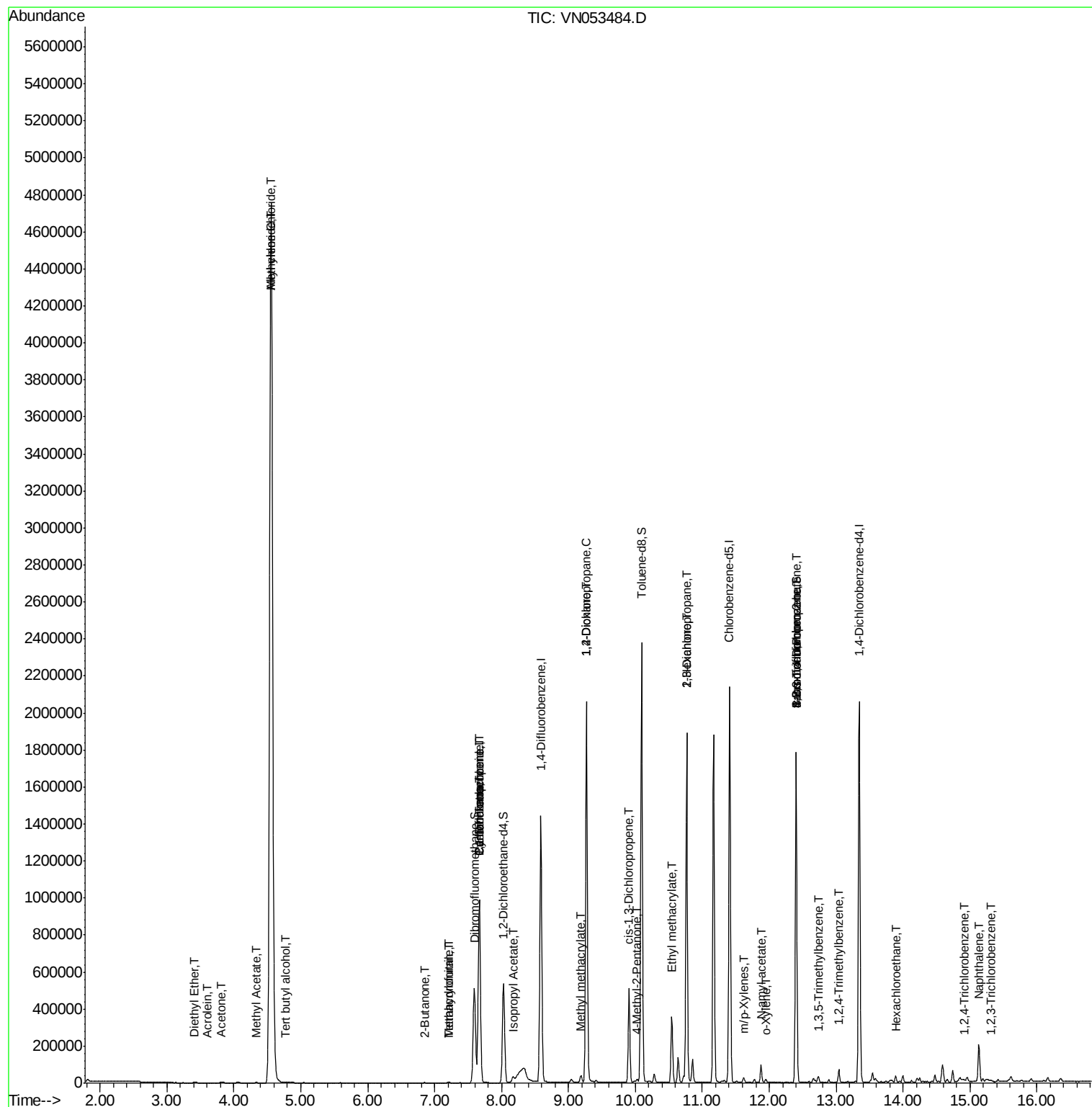
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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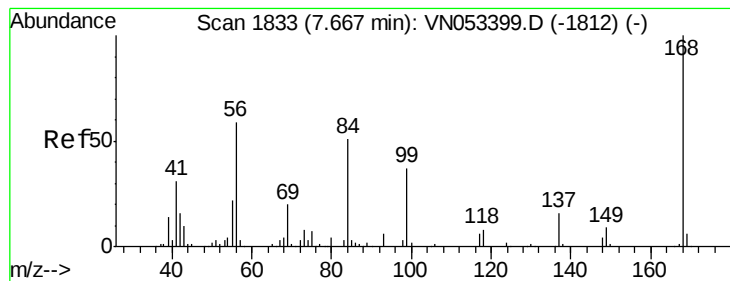
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

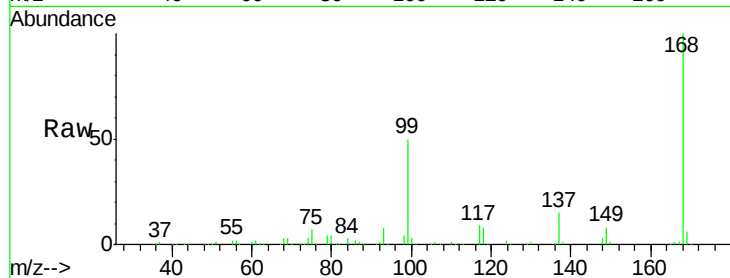
RBR200034

Tot Ion:168 Resp: 870358

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

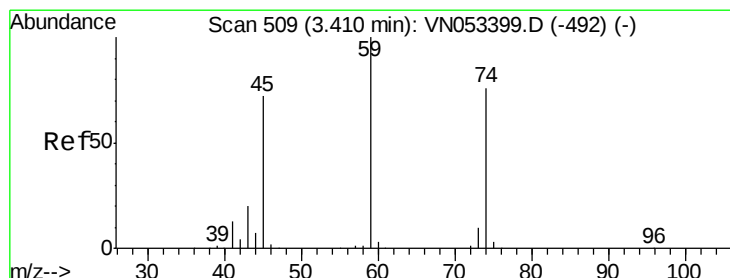
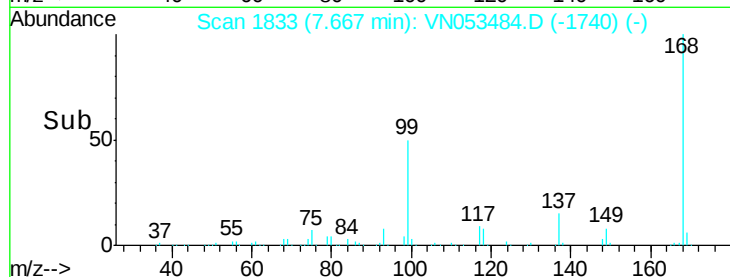
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.489 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN053484.D

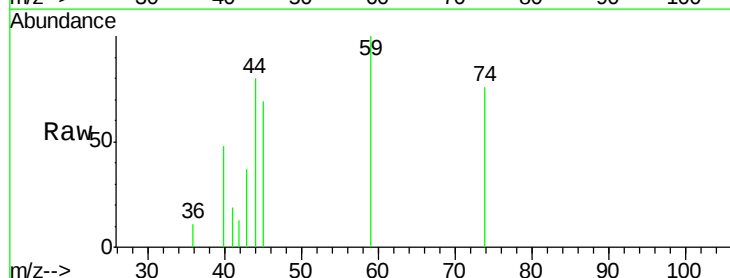
Acq: 18 Jan 2019 20:38

Tgt Ion: 74 Resp: 2317

Ion Ratio Lower Upper

74 100

45 122.4 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.42

1200

1000

800

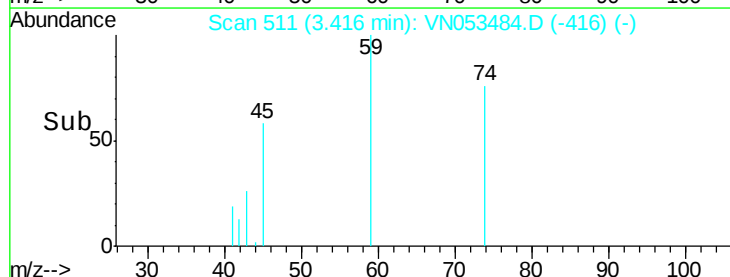
600

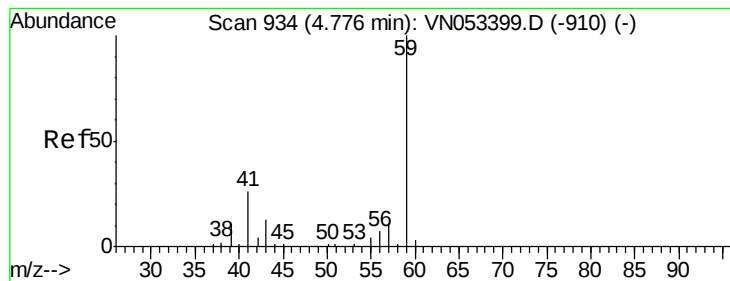
400

200

0

Time-->



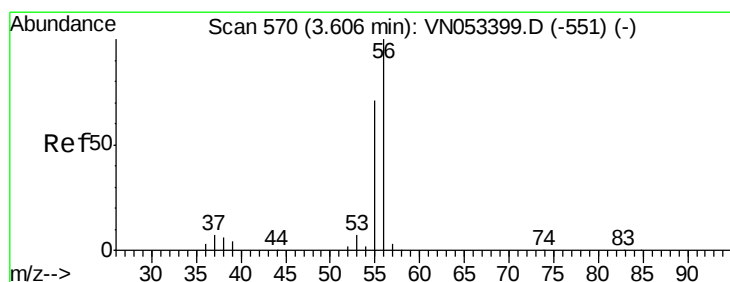
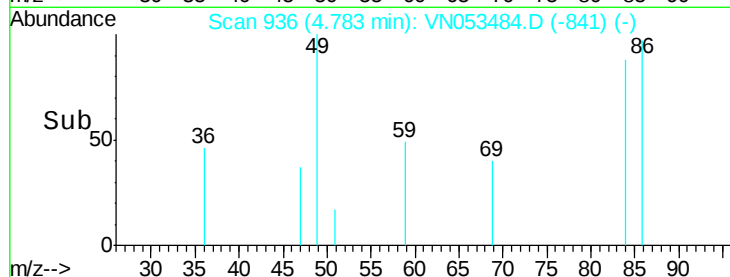
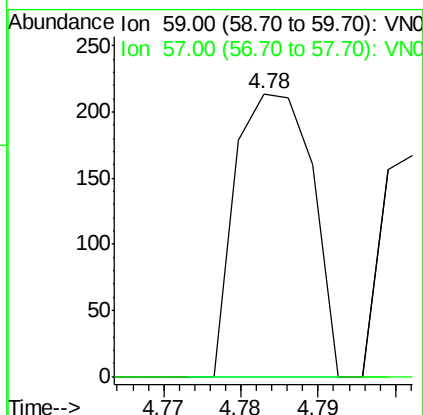
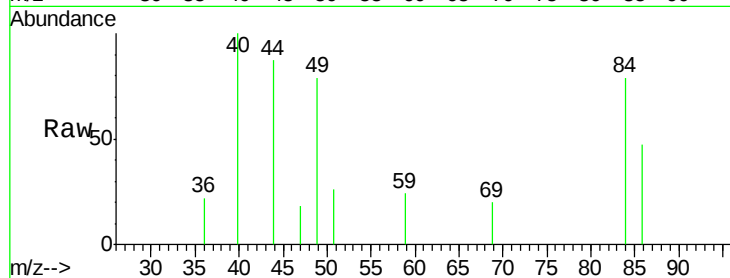


#11

Tert butyl alcohol
 Concen: 0.349 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053484.D
 Acq: 18 Jan 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleID :
 RBR200034

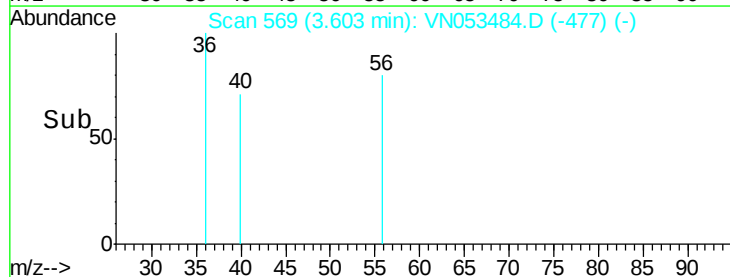
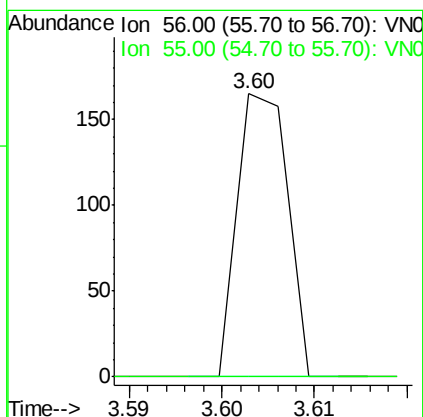
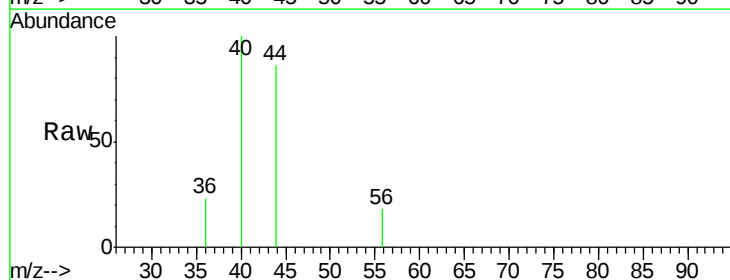
Tot Ion: 59 Resp: 147
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

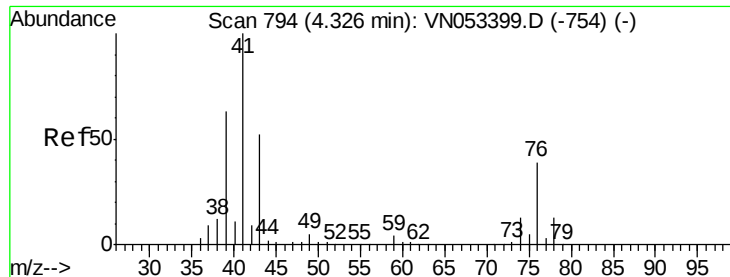


#13

Acrolein
 Concen: 22.806 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN053484.D
 Acq: 18 Jan 2019 20:38

Tgt Ion: 56 Resp: 62
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.4 86.0#





#14

Allvl chloride

Concen: 11.158 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.23 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

RBR200034

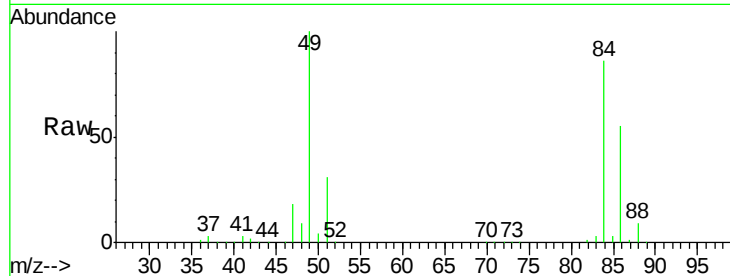
Tot Ion: 41 Resp: 140439

Ion Ratio Lower Upper

41 100

39 0.5 48.9 73.3#

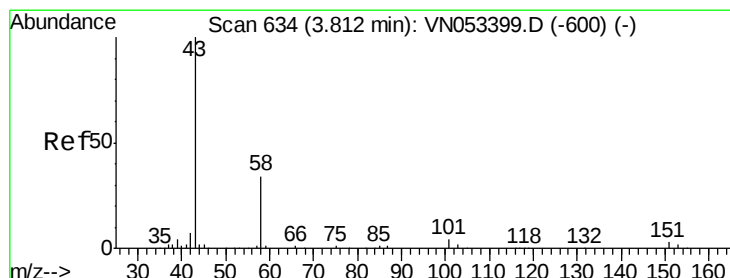
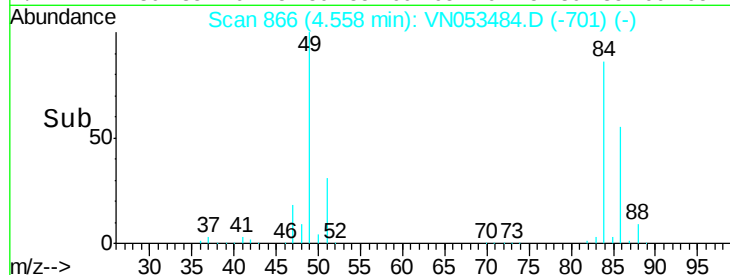
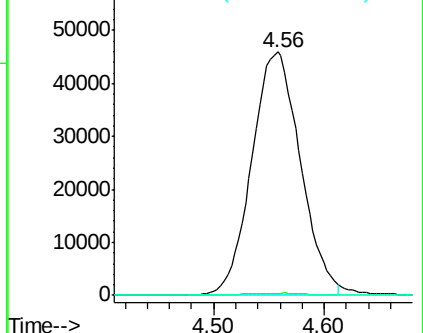
76 0.0 29.4 44.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 5.492 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053484.D

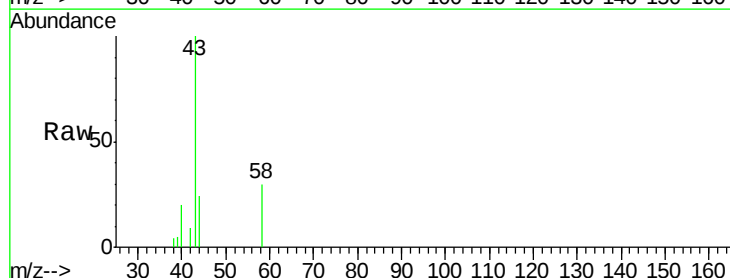
Acq: 18 Jan 2019 20:38

Tgt Ion: 43 Resp: 11084

Ion Ratio Lower Upper

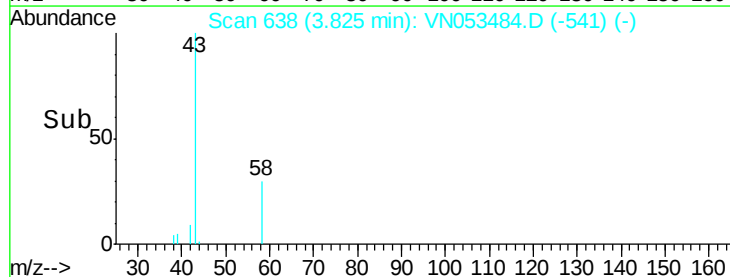
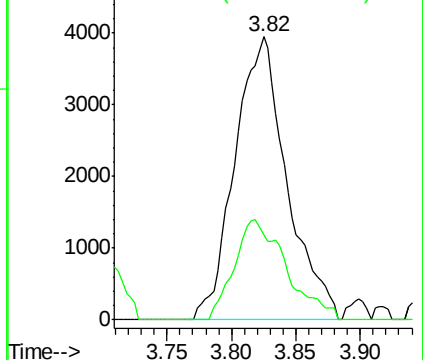
43 100

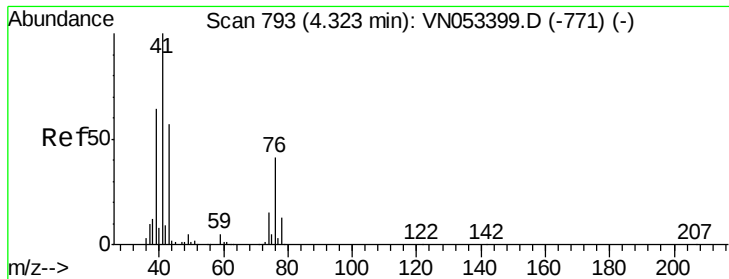
58 30.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

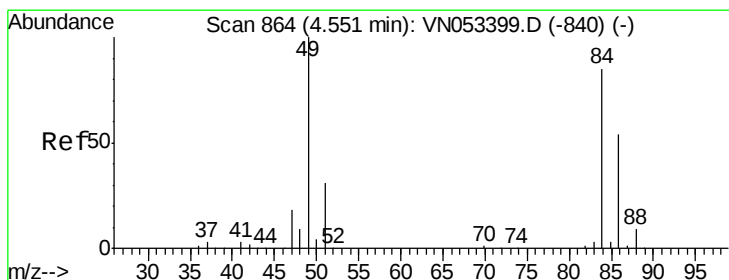
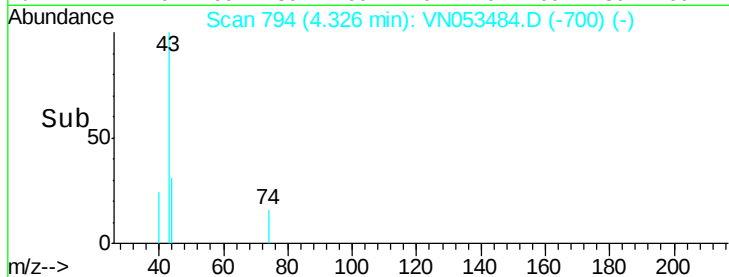
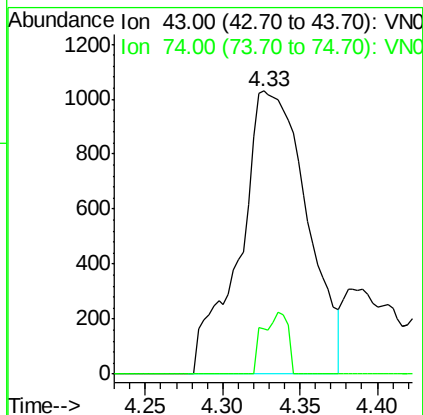
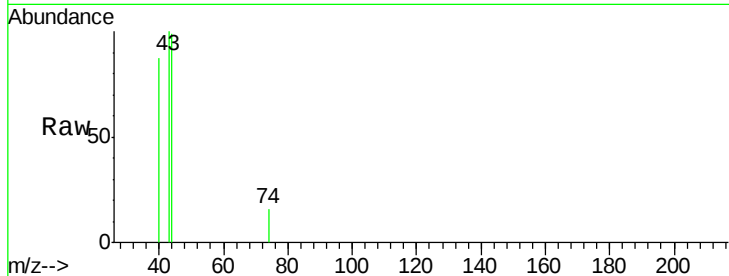




#18
Methvl Acetate
Concen: 0.459 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

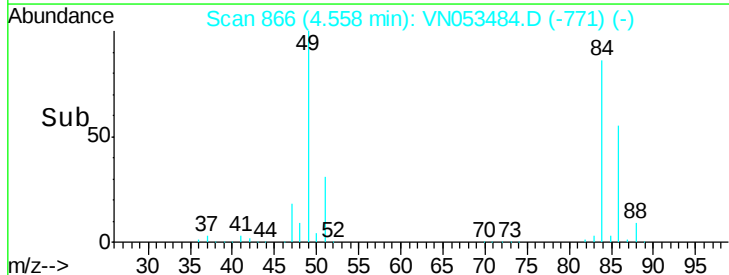
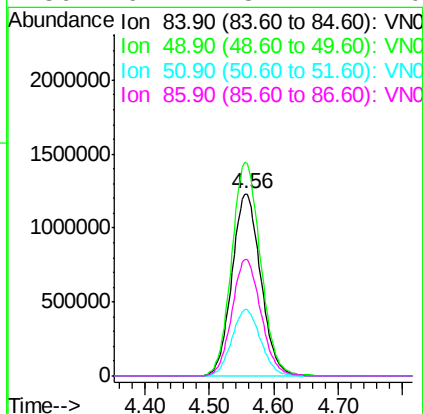
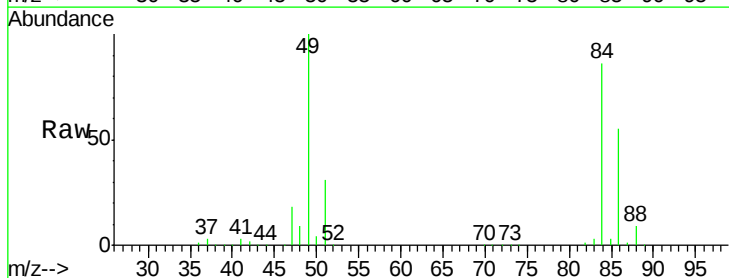
Instrument :
MSVOA_N
ClientSampleId :
RBR200034

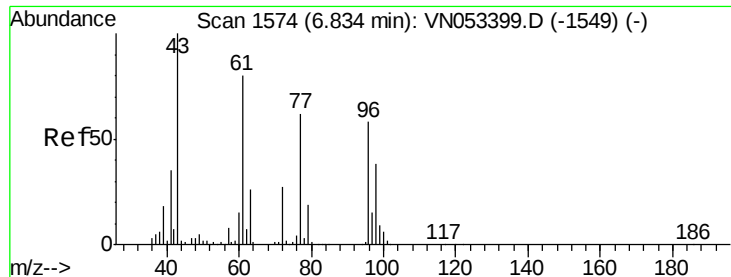
Tot Ion: 43 Resp: 3121
Ion Ratio Lower Upper
43 100
74 8.0 19.4 29.2#



#20
Methylene Chloride
Concen: 415.079 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

Tgt Ion: 84 Resp: 3824859
Ion Ratio Lower Upper
84 100
49 116.9 94.3 141.5
51 36.4 29.4 44.2
86 64.1 51.4 77.0





#25

2-Butanone

Concen: 0.299 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

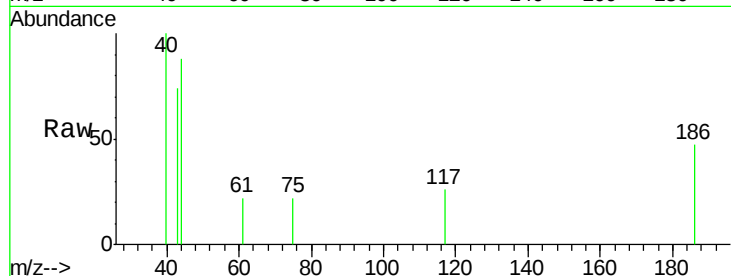
RBR200034

Tot Ion: 43 Resp: 931

Ion Ratio Lower Upper

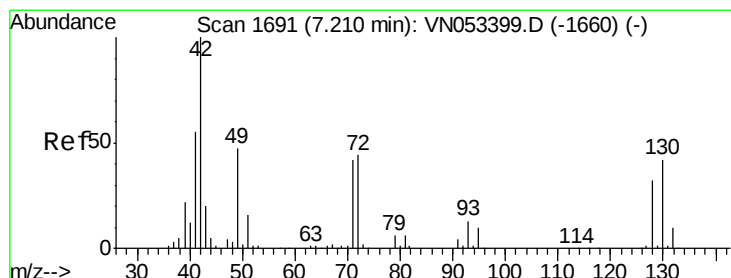
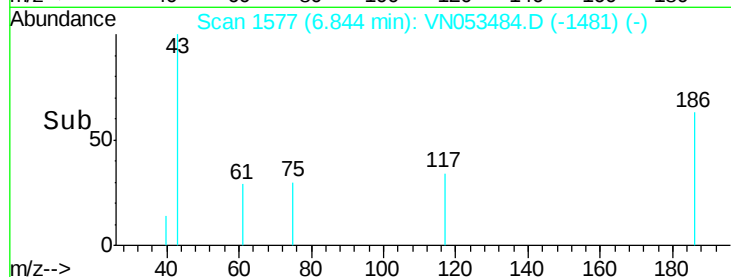
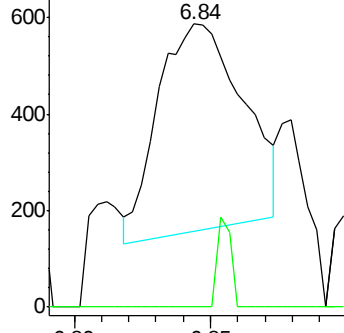
43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.375 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

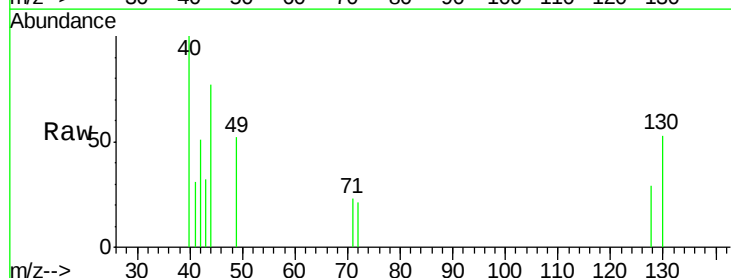
Tgt Ion: 42 Resp: 759

Ion Ratio Lower Upper

42 100

72 27.1 35.2 52.8#

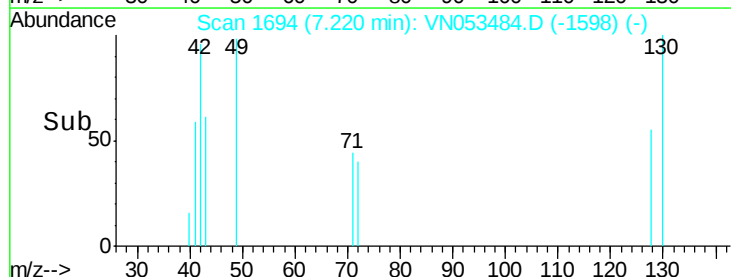
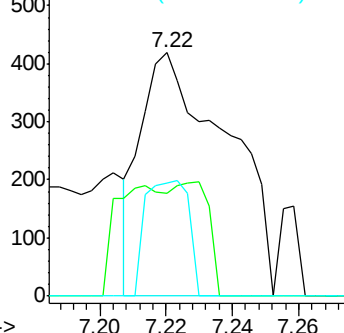
71 23.7 33.0 49.4#

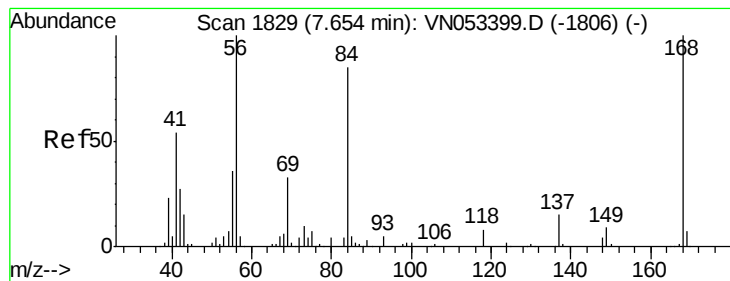


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.703 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

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RBR200034

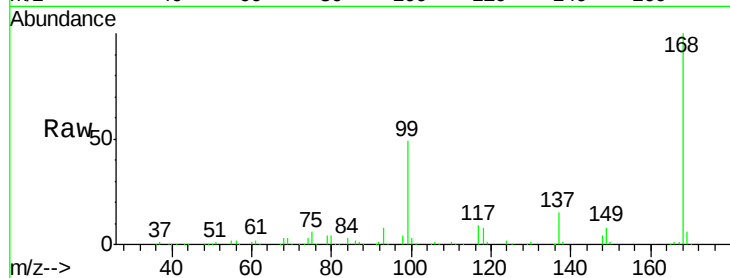
Tot Ion: 56 Resp: 13968

Ion Ratio Lower Upper

56 100

69 199.6 26.4 39.6#

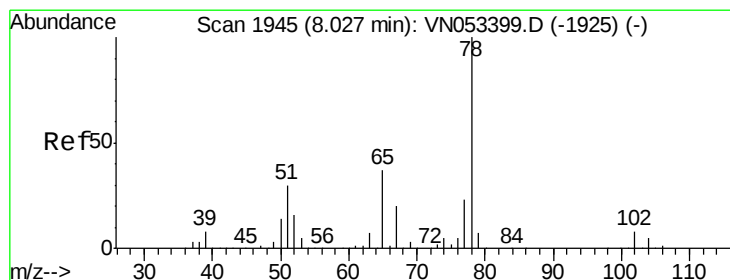
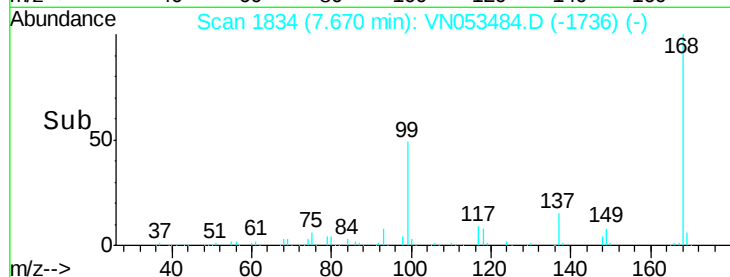
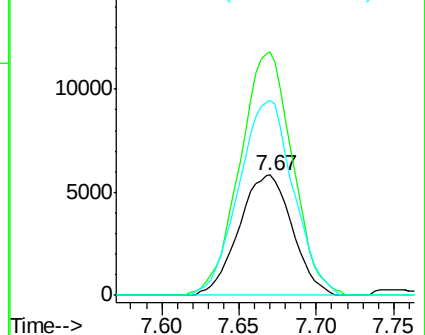
84 162.6 67.9 101.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053484.D

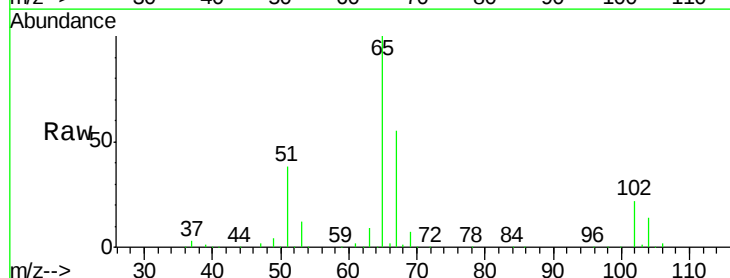
Acq: 18 Jan 2019 20:38

Tgt Ion: 65 Resp: 442235

Ion Ratio Lower Upper

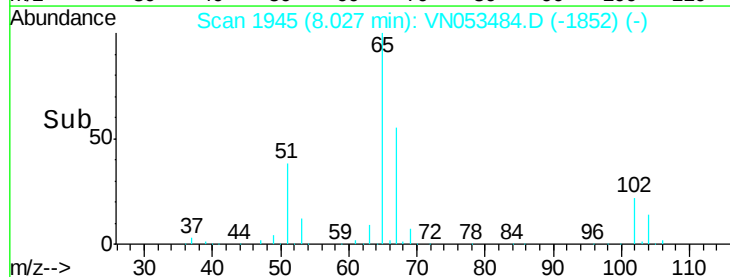
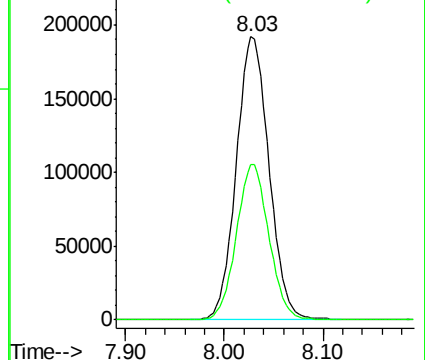
65 100

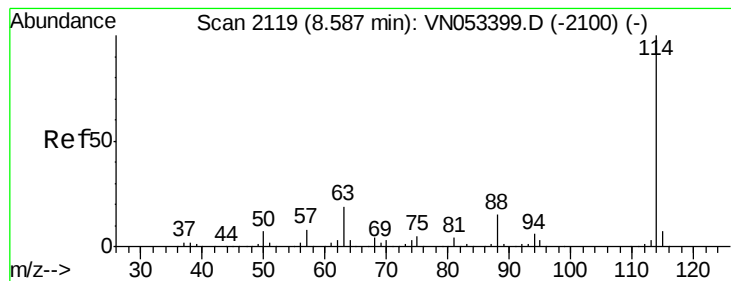
67 54.7 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

RBR200034

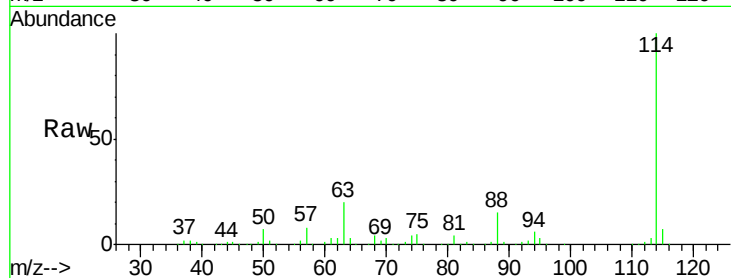
Tot Ion:114 Resp: 1355119

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

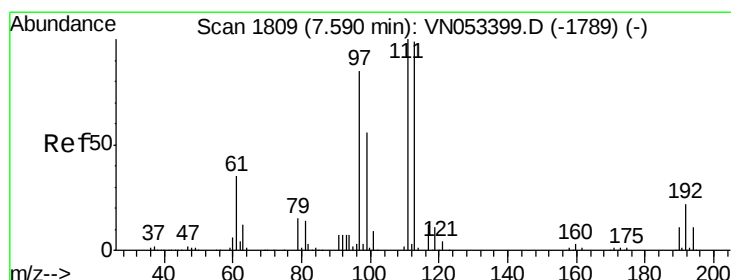
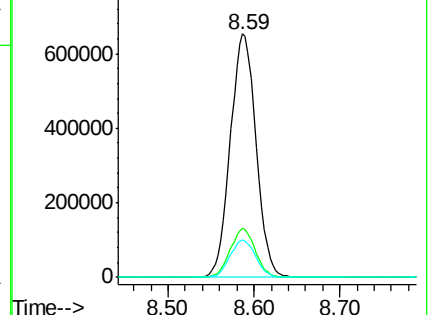
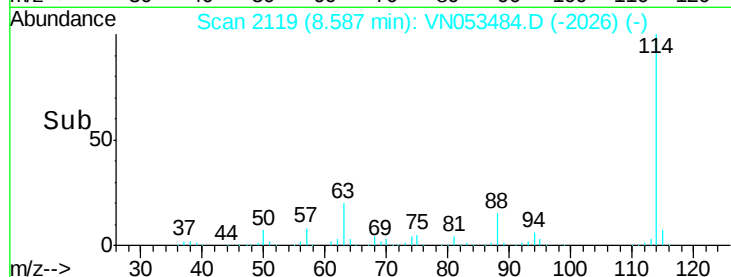
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

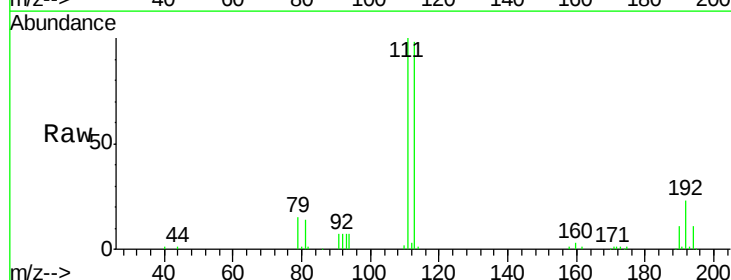
Tgt Ion:113 Resp: 391255

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

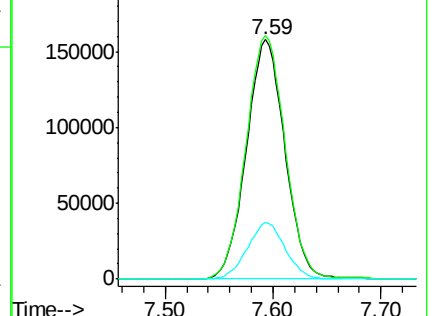
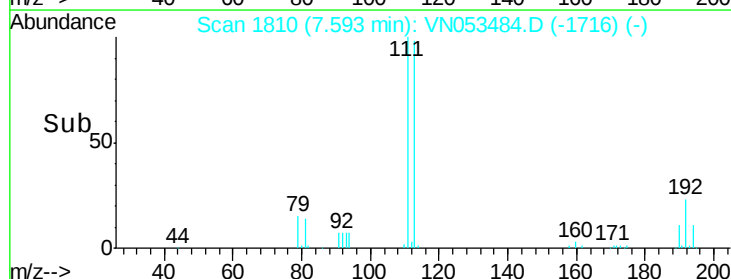
192 23.2 18.2 27.2

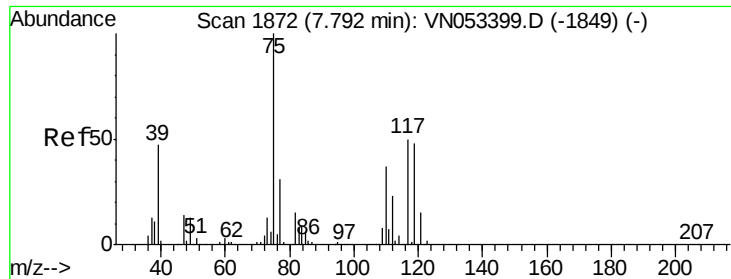


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.585 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

RBR200034

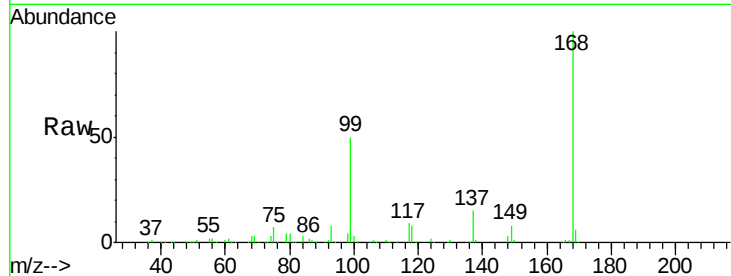
Tot Ion: 75 Resp: 56585

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.3#

77 0.0 25.1 37.7#

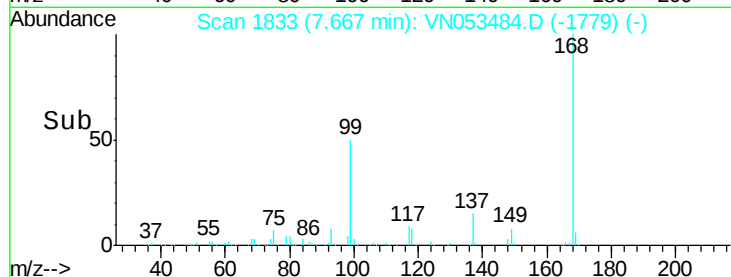


Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053399.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053399.D (-1849) (-)

Time-->

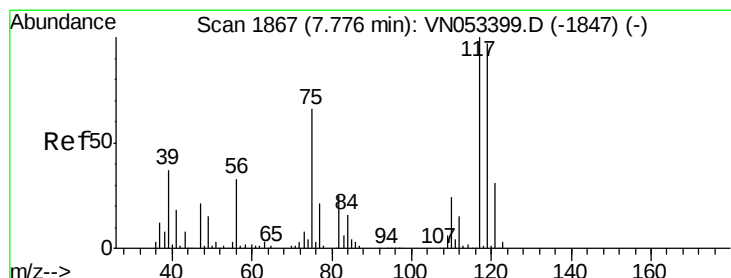


Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053399.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053399.D (-1849) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.369 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

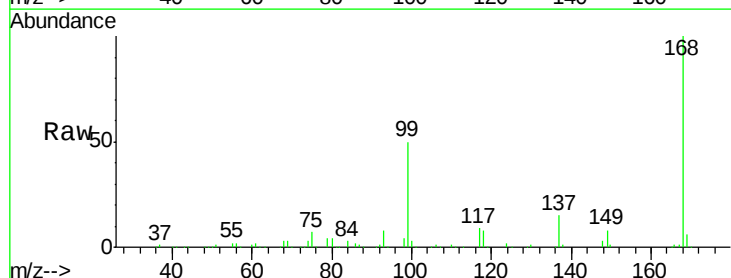
Tgt Ion: 117 Resp: 74416

Ion Ratio Lower Upper

117 100

119 5.6 77.2 115.8#

121 0.0 24.6 37.0#

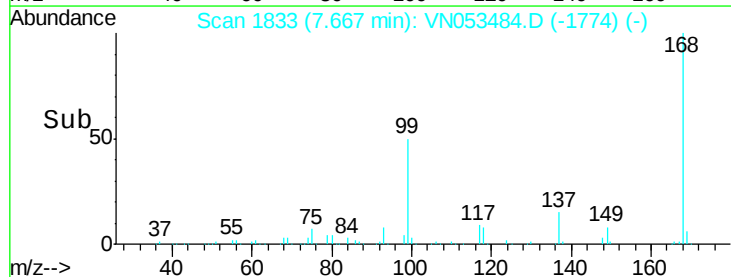


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)

Time-->

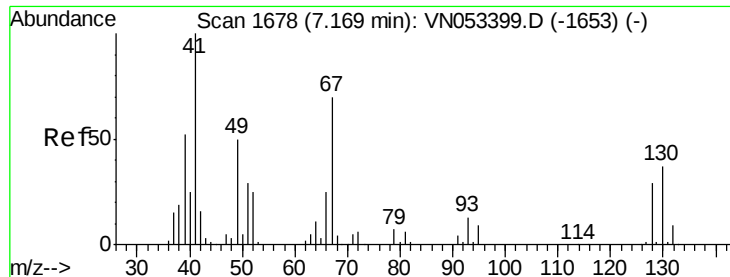


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)

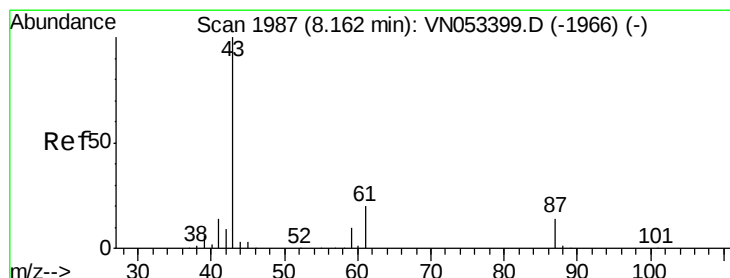
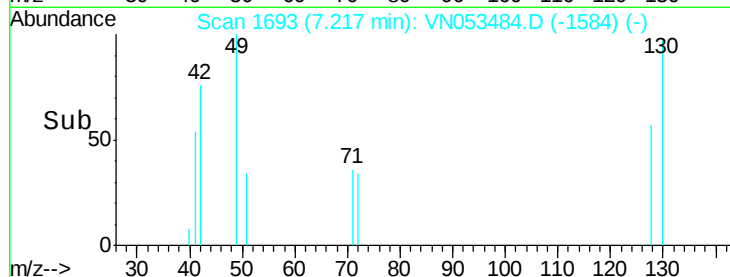
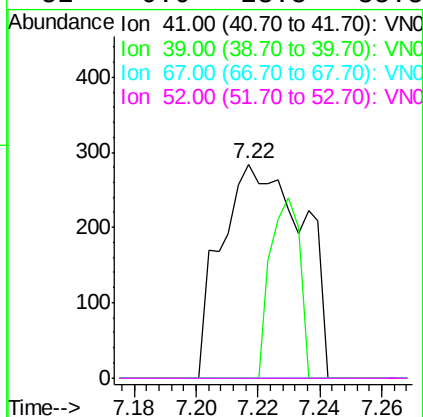
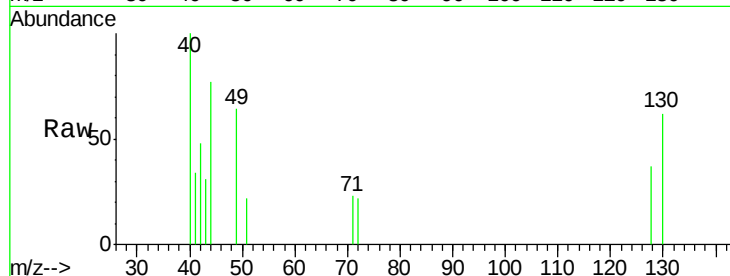
Time-->



#41
Methacrylonitrile
Concen: 0.789 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

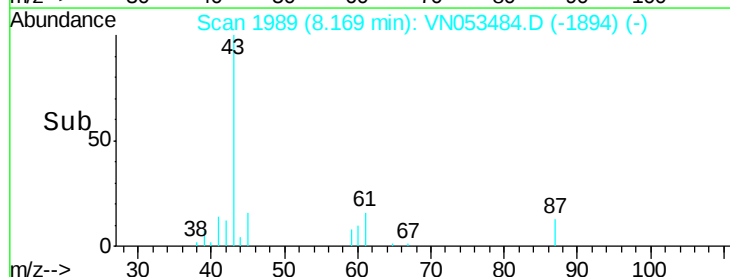
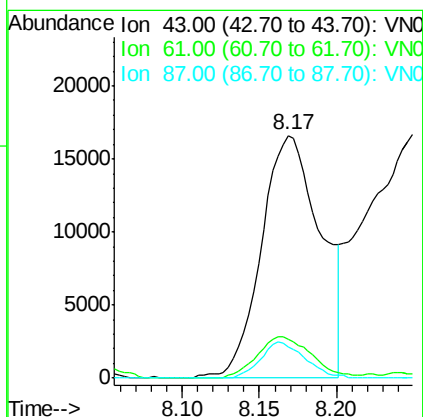
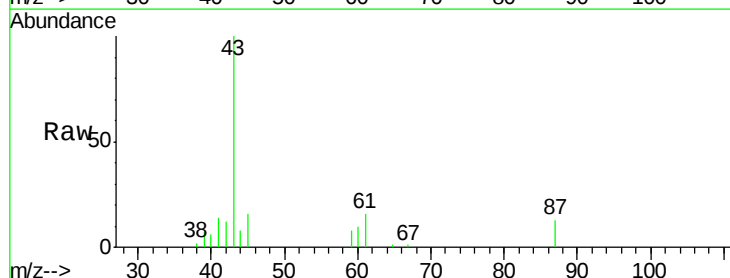
Instrument :
MSVOA_N
ClientSampled :
RBR200034

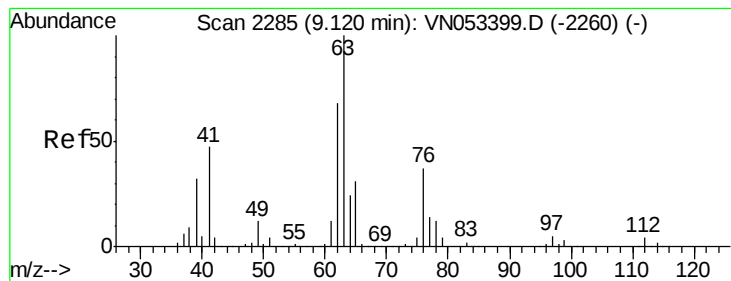
Tot Ion: 41 Resp: 521
Ion Ratio Lower Upper
41 100
39 29.8 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.458 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

Tgt Ion: 43 Resp: 44154
Ion Ratio Lower Upper
43 100
61 15.9 23.9 35.9#
87 11.1 11.0 16.6





#45

1,2-Dichloropropane

Concen: 0.256 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

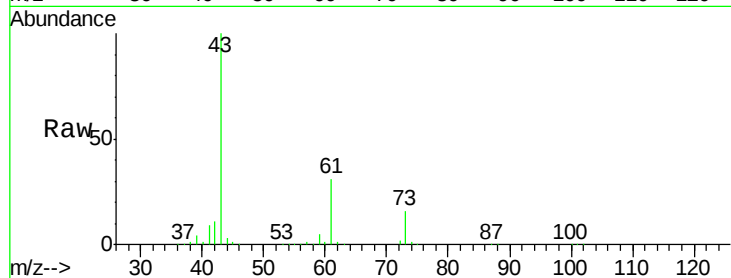
RBR200034

Tot Ion: 63 Resp: 2547

Ion Ratio Lower Upper

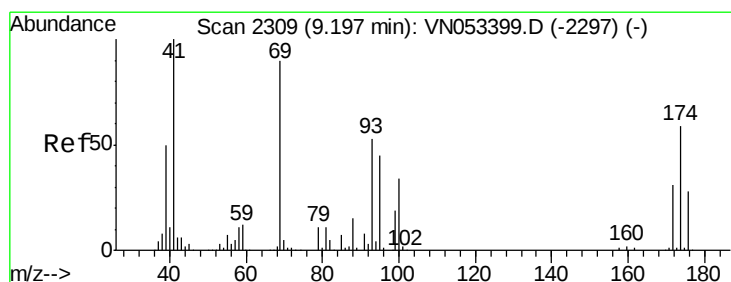
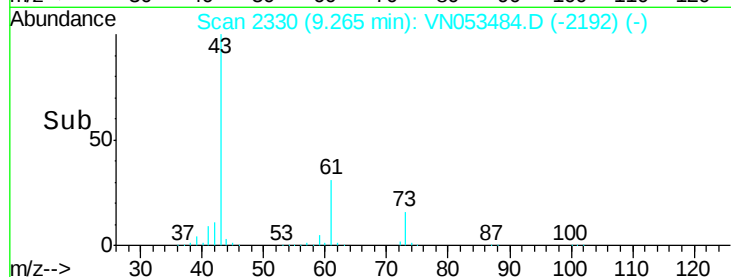
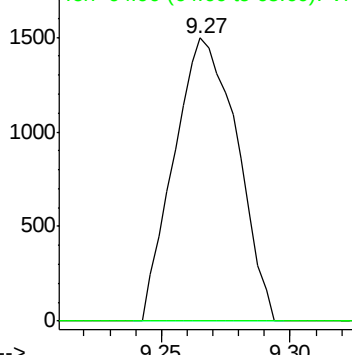
63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.819 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

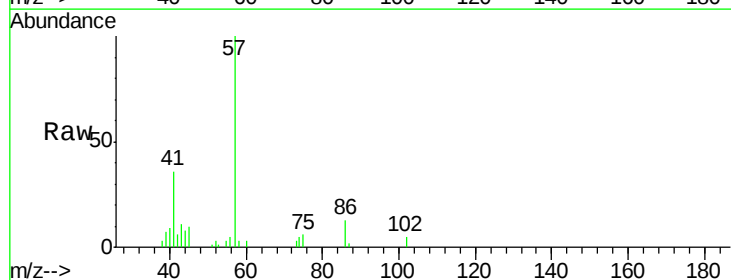
Tgt Ion: 41 Resp: 11990

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

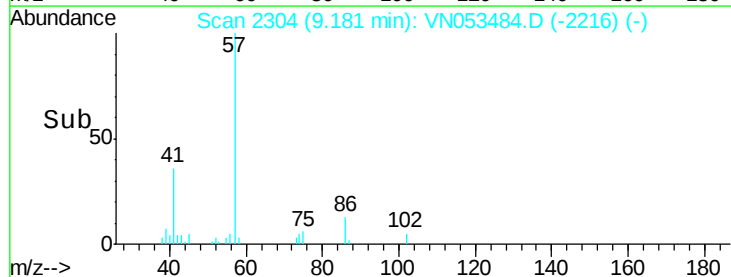
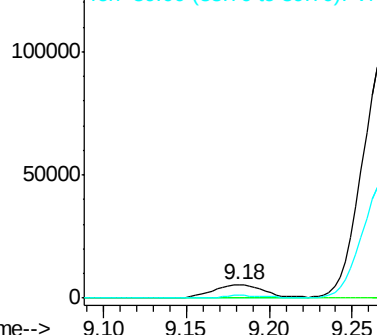
39 0.0 40.0 60.0#

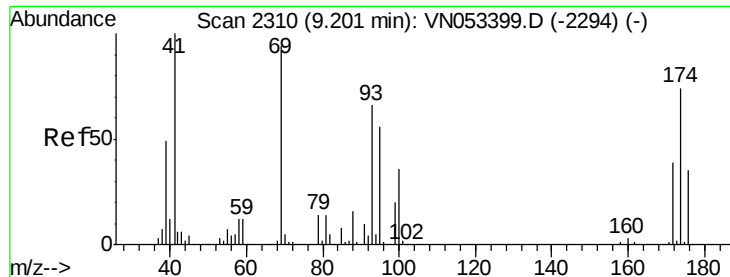


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 3.044 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

RBR200034

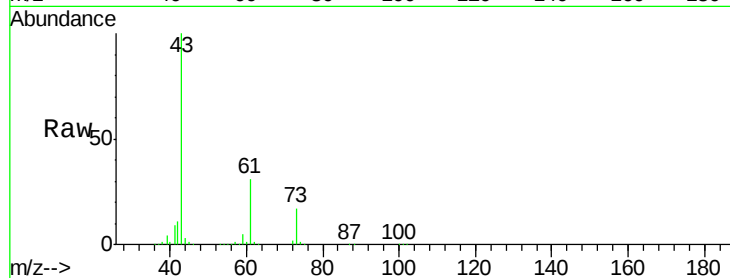
Tot Ion: 88 Resp: 196

Ion Ratio Lower Upper

88 100

43 1011896.4 27.8 41.6#

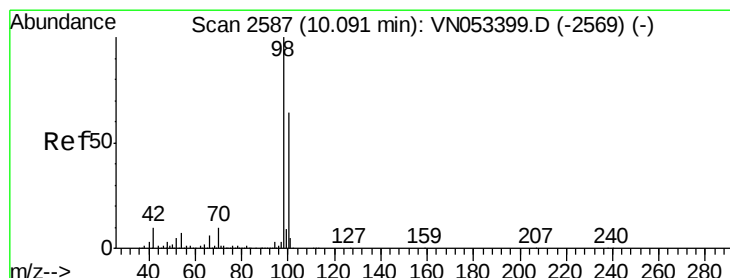
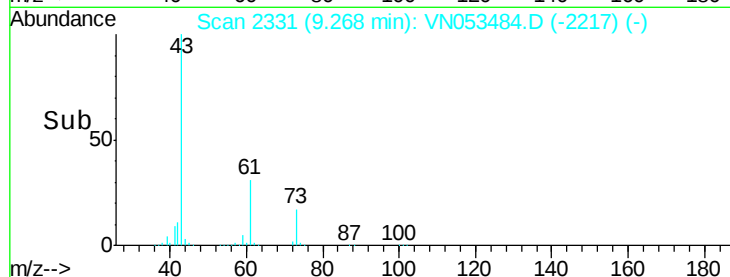
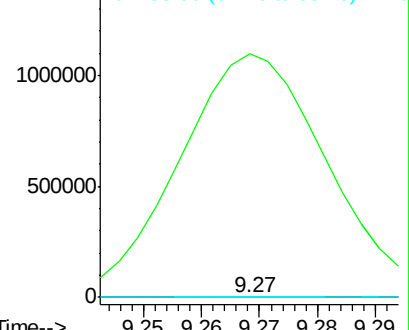
58 4644.9 56.5 84.7#



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: 3.044 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053484.D

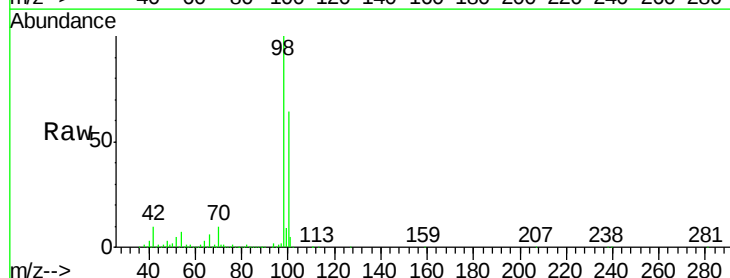
Acq: 18 Jan 2019 20:38

Tgt Ion: 98 Resp: 1702819

Ion Ratio Lower Upper

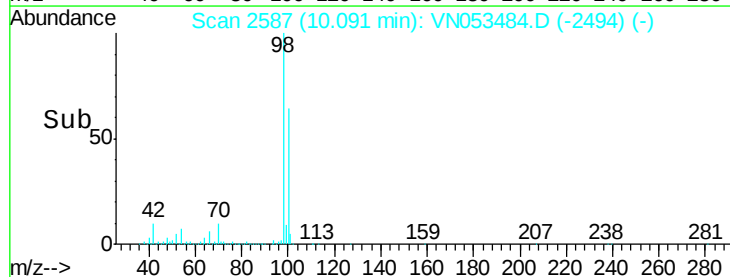
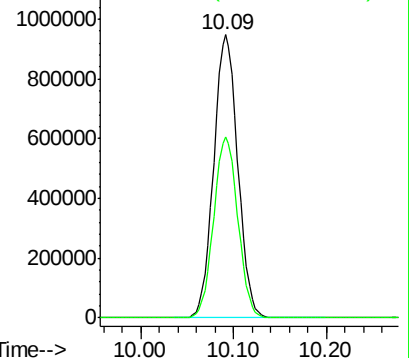
98 100

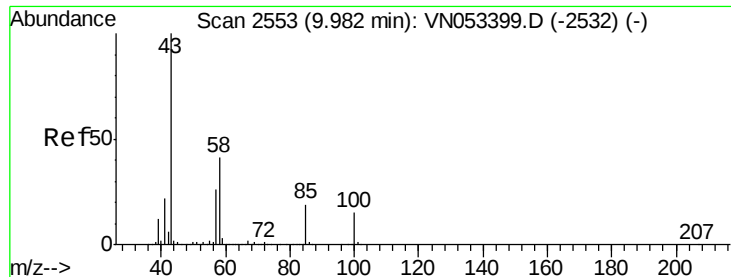
100 64.2 51.4 77.0



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: 2.164 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

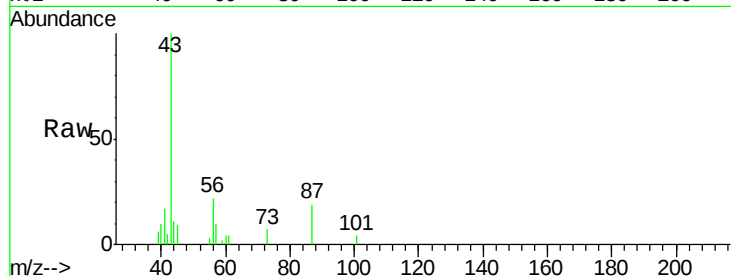
RBR200034

Tot Ion: 43 Resp: 15081

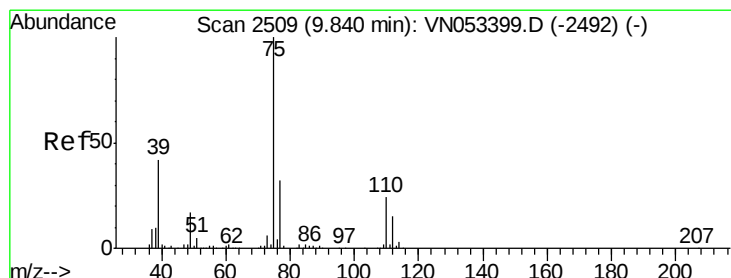
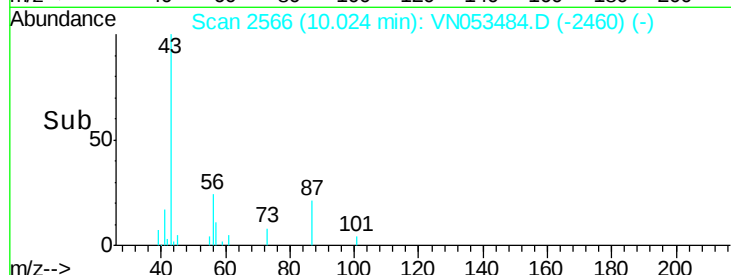
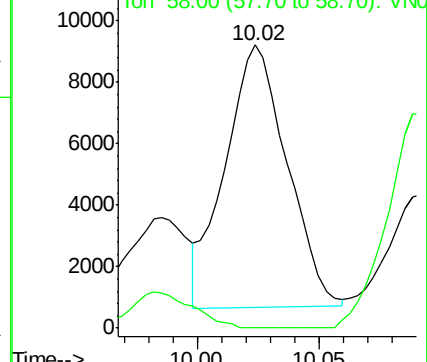
Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-2532) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.780 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

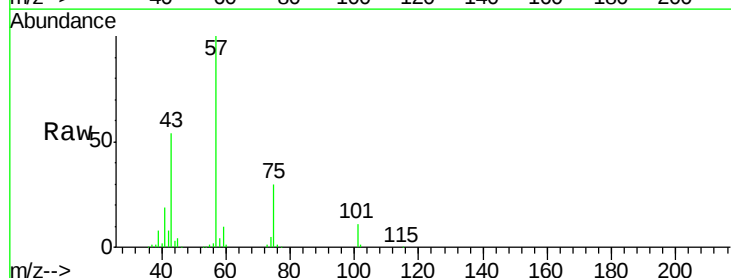
Tgt Ion: 75 Resp: 96690

Ion Ratio Lower Upper

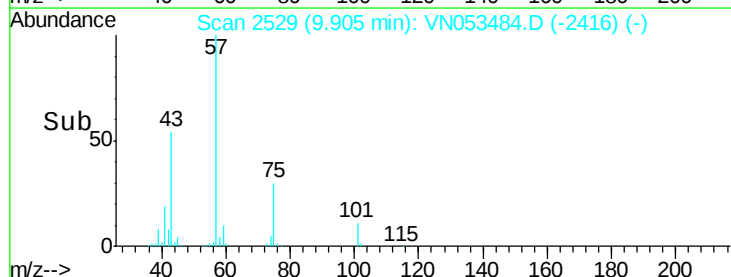
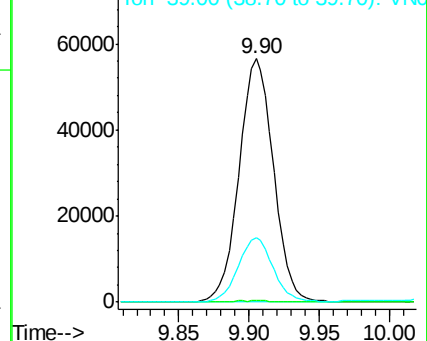
75 100

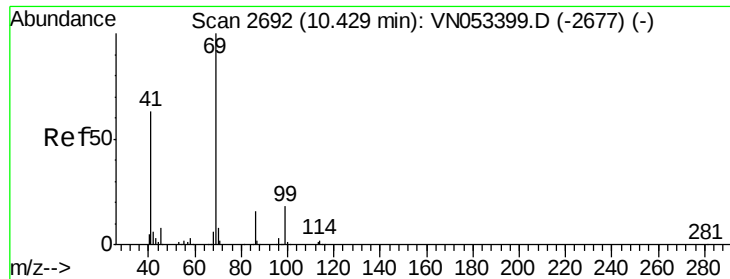
77 0.5 25.8 38.6#

39 26.3 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-2492) (-)





#56

Ethyl methacrylate

Concen: 2.185 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

RBR200034

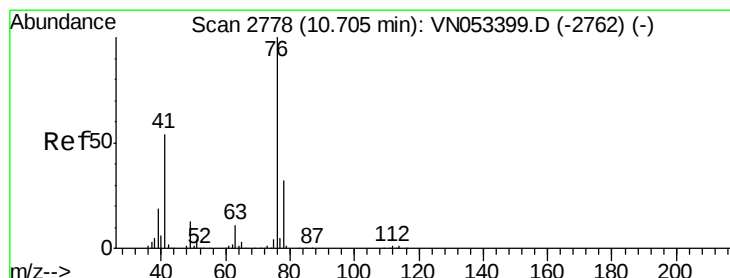
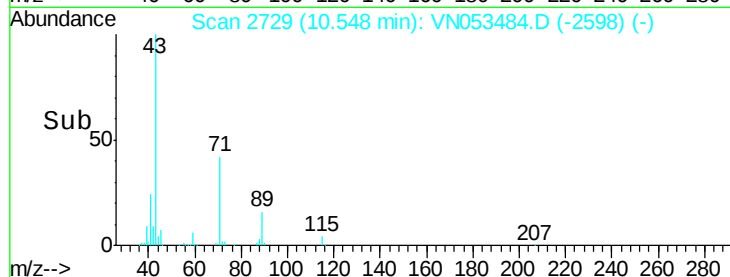
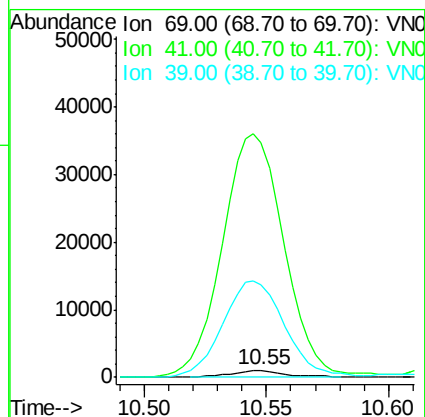
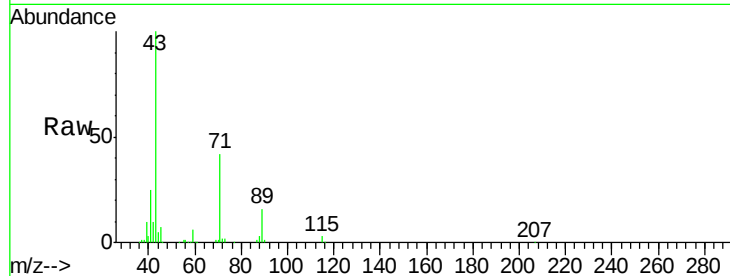
Tot Ion: 69 Resp: 1517

Ion Ratio Lower Upper

69 100

41 4201.8 49.4 74.0#

39 1664.5 23.3 34.9#



#57

1,3-Dichloropropane

Concen: 1.399 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053484.D

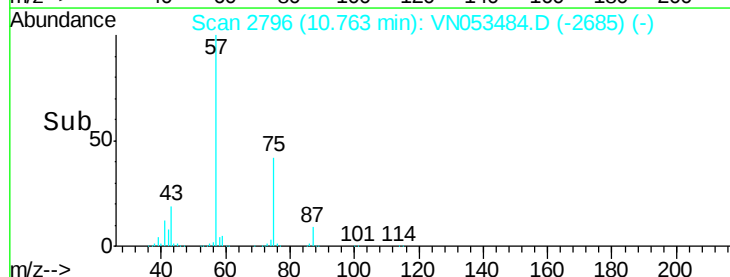
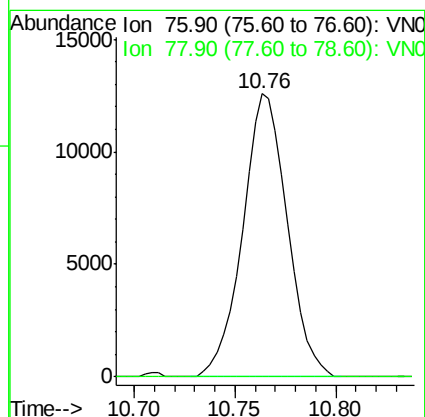
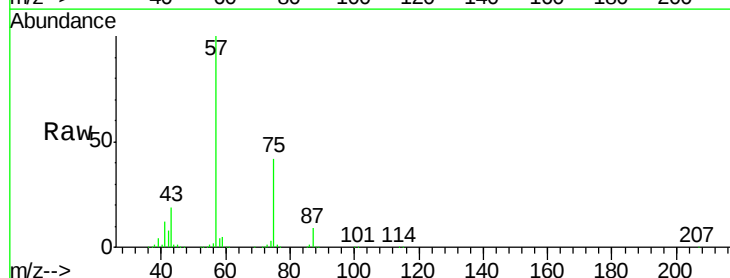
Acq: 18 Jan 2019 20:38

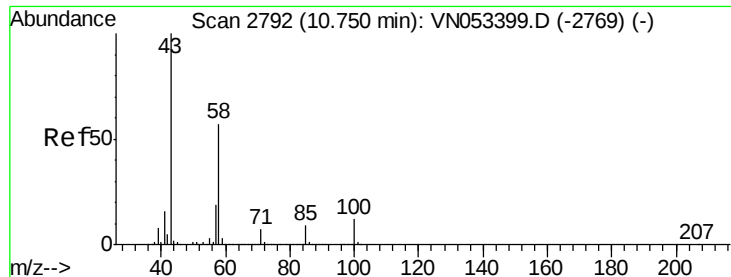
Tgt Ion: 76 Resp: 19425

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 53.827 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

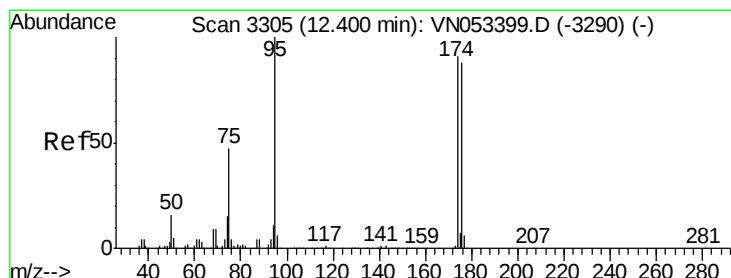
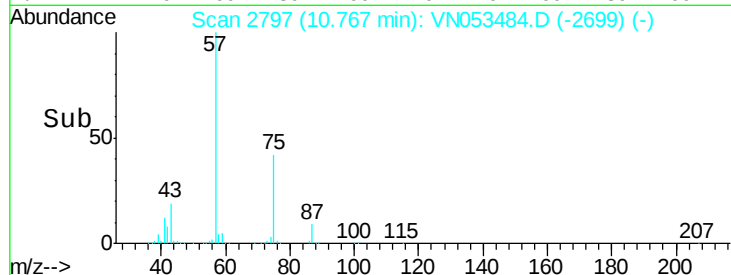
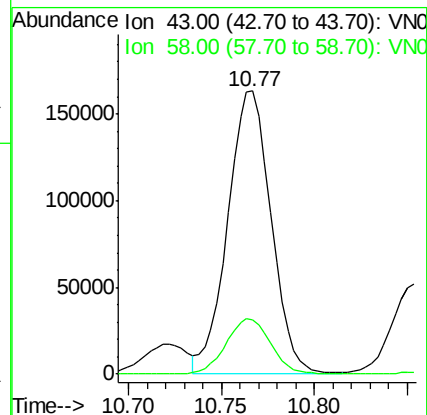
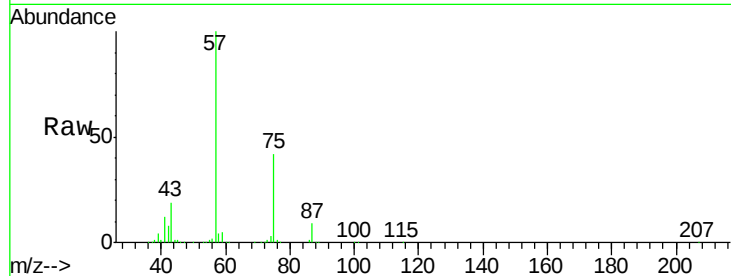
RBR200034

Tot Ion: 43 Resp: 263347

Ion Ratio Lower Upper

43 100

58 20.4 28.6 85.8#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

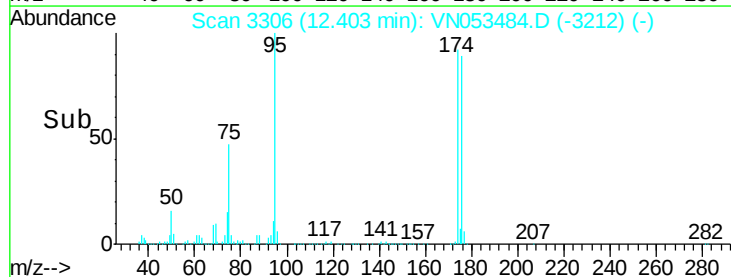
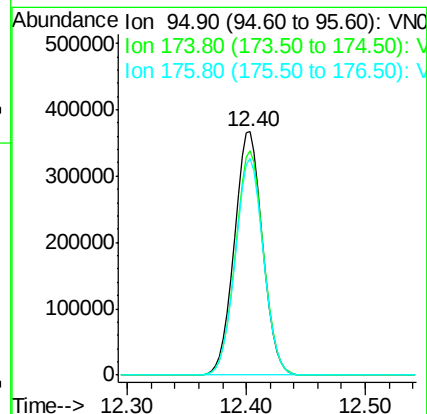
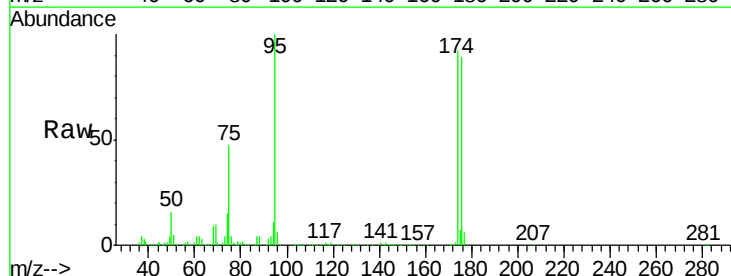
Tgt Ion: 95 Resp: 601591

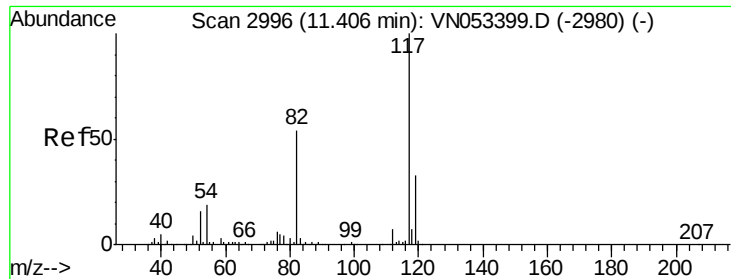
Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.2

176 88.8 0.0 177.4

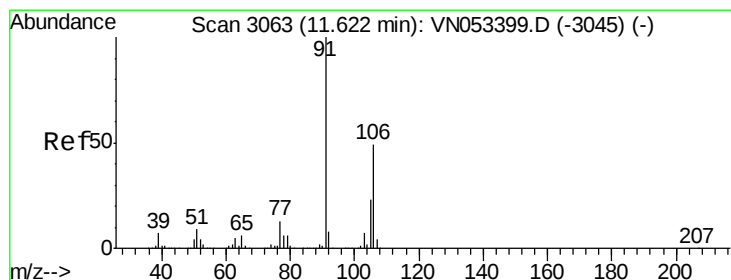
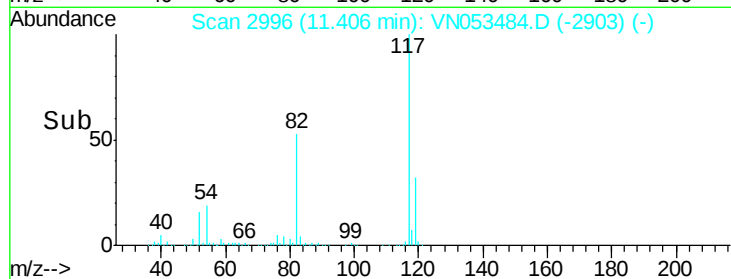
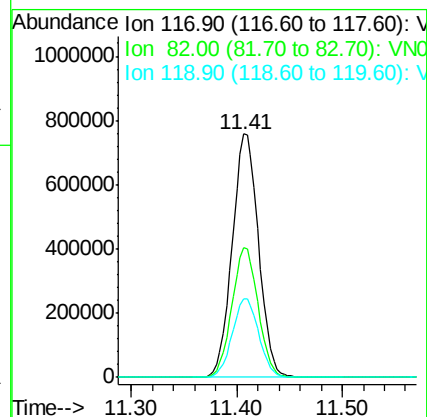
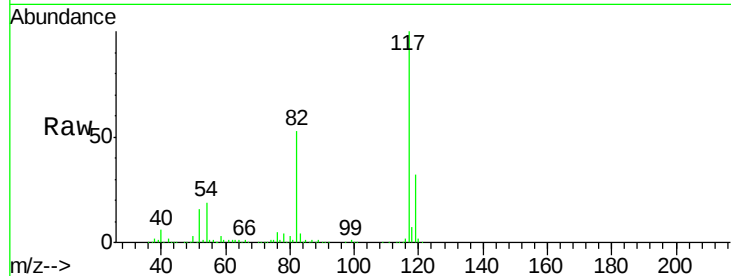




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

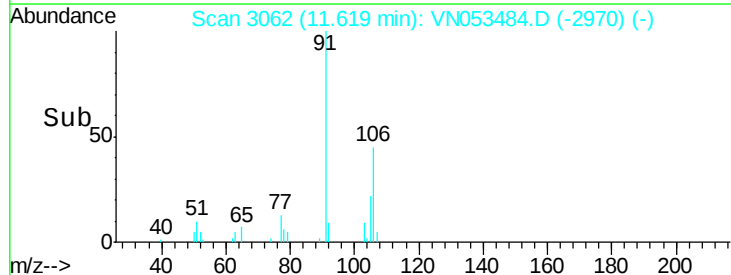
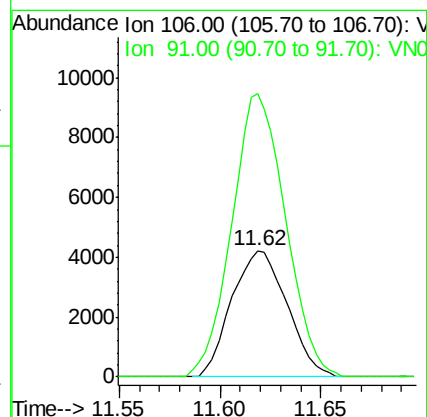
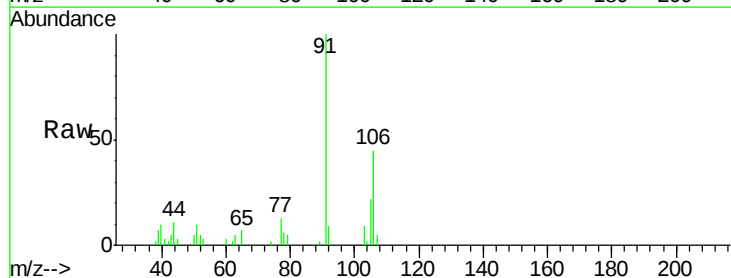
Instrument :
MSVOA_N
ClientSampled :
RBR200034

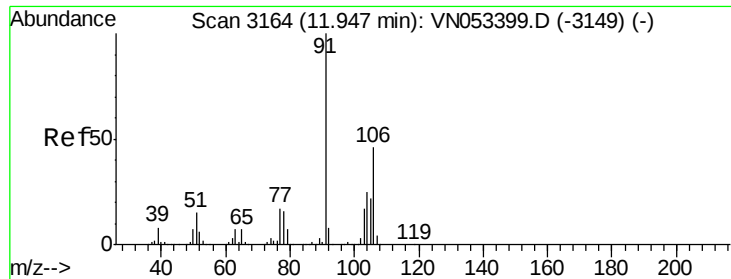
Tot Ion:117 Resp: 1305453
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 32.2 26.0 39.0



#68
m/p-Xylenes
Concen: 0.455 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

Tgt Ion:106 Resp: 8094
Ion Ratio Lower Upper
106 100
91 217.7 161.4 242.2

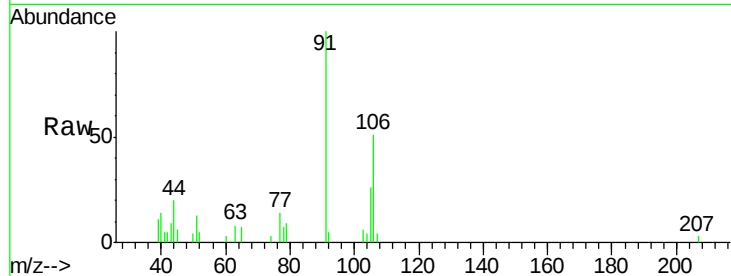




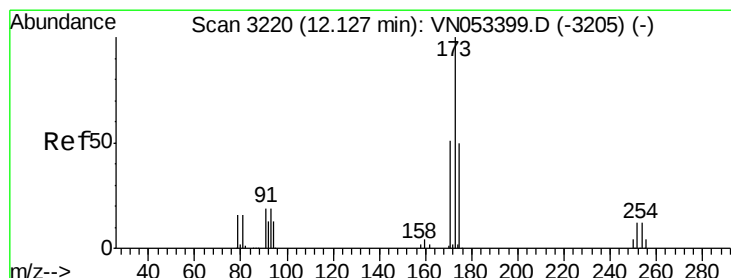
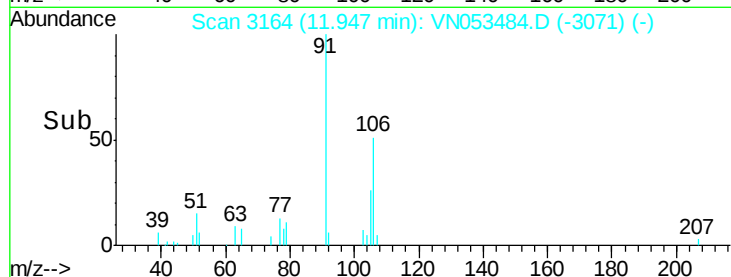
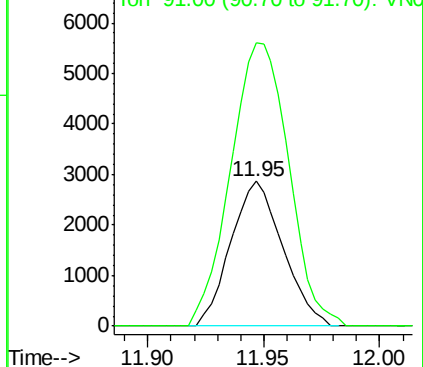
#69
o-Xylene
Concen: 0.259 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

Instrument :
MSVOA_N
ClientSampled :
RBR200034

Tot Ion:106 Resp: 4474
Ion Ratio Lower Upper
106 100
91 217.7 106.9 320.8

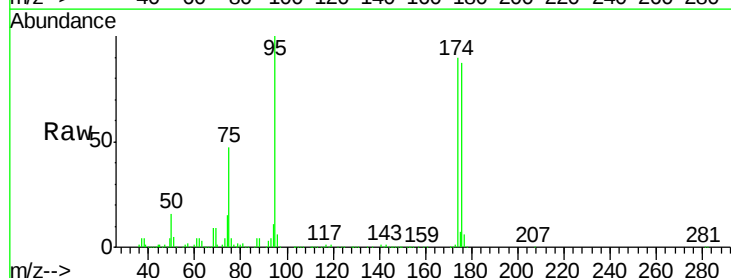


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

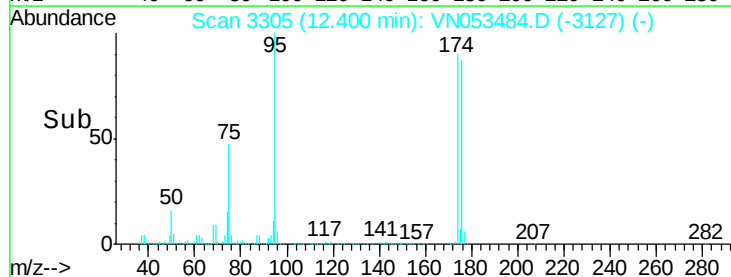
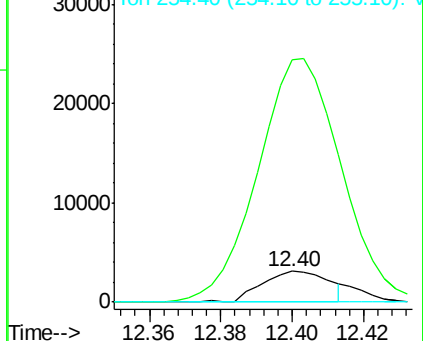


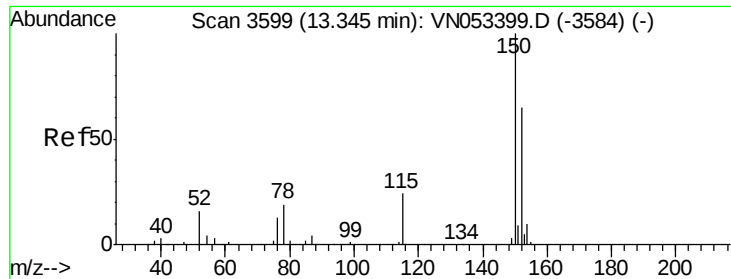
#71
Bromoform
Concen: 0.612 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053484.D
Acq: 18 Jan 2019 20:38

Tgt Ion:173 Resp: 4050
Ion Ratio Lower Upper
173 100
175 853.9 24.6 74.0#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

RBR200034

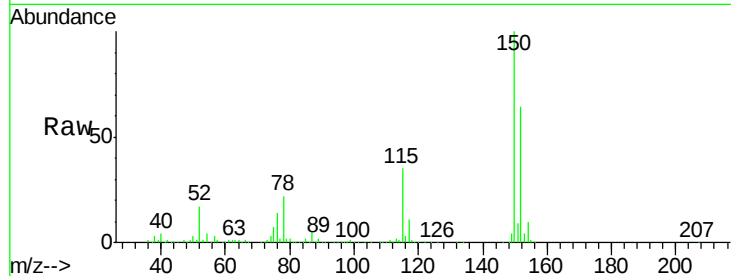
Tot Ion:152 Resp: 599061

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

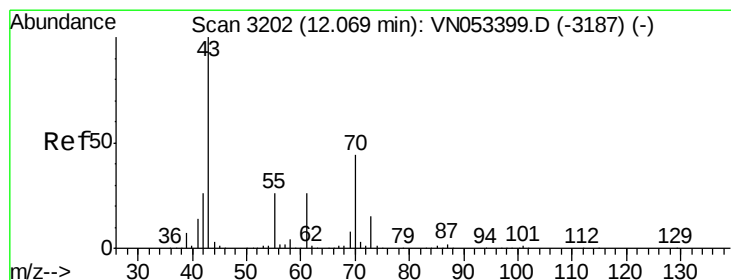
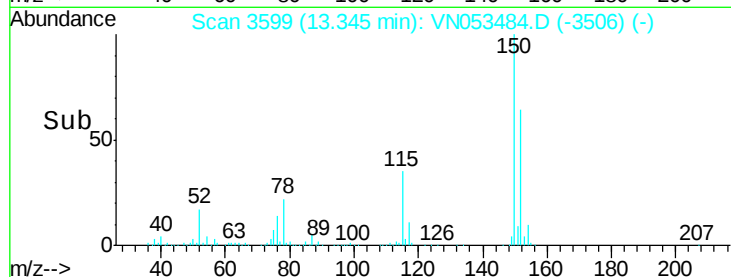
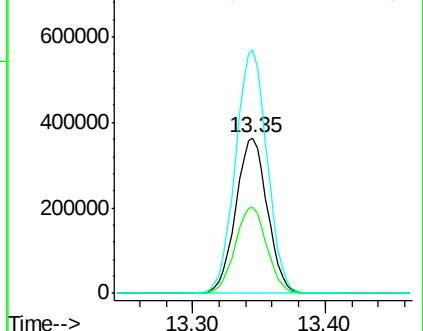
150 157.1 0.0 349.0



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



#74

N-ethyl acetate

Concen: 2.475 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Tgt Ion: 43 Resp: 28945

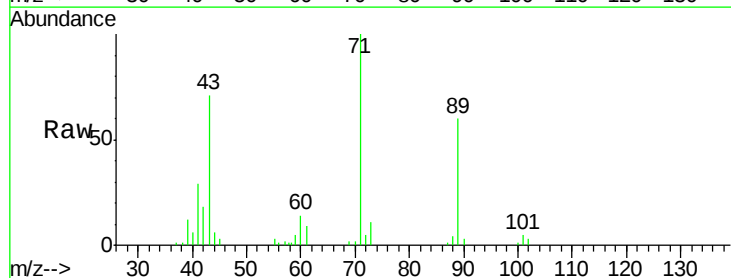
Ion Ratio Lower Upper

43 100

70 2.4 35.4 53.2#

55 5.4 20.9 31.3#

61 11.8 20.5 30.7#

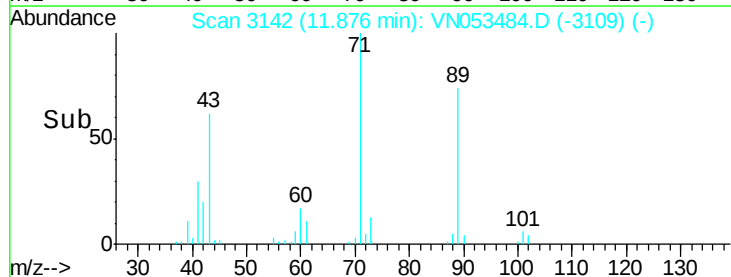
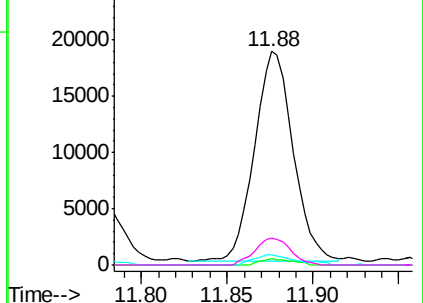


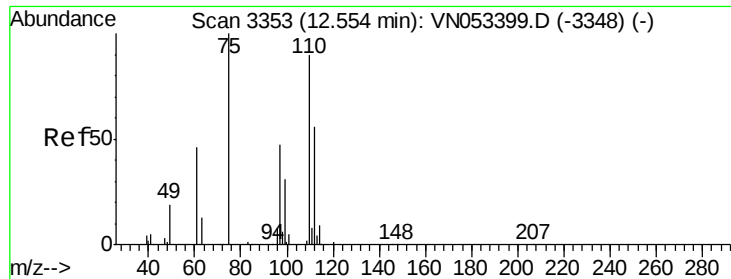
Abundance Ion 43.00 (42.70 to 43.70): V

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: 35.748 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

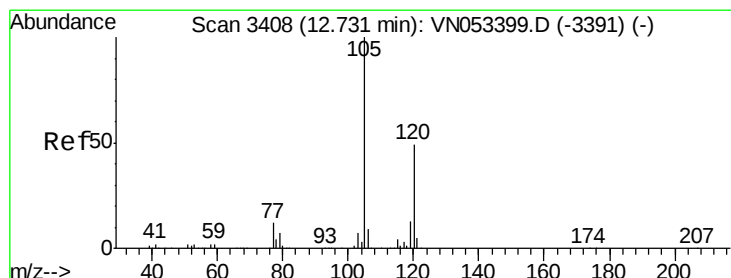
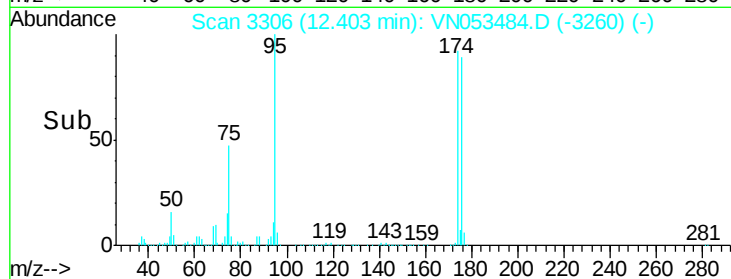
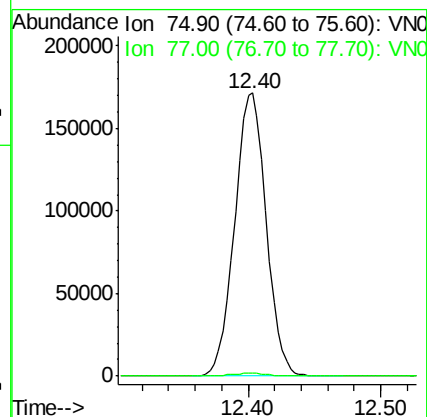
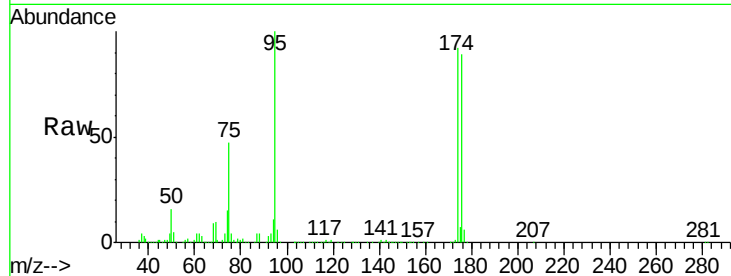
RBR200034

Tot Ion: 75 Resp: 282211

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.492 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053484.D

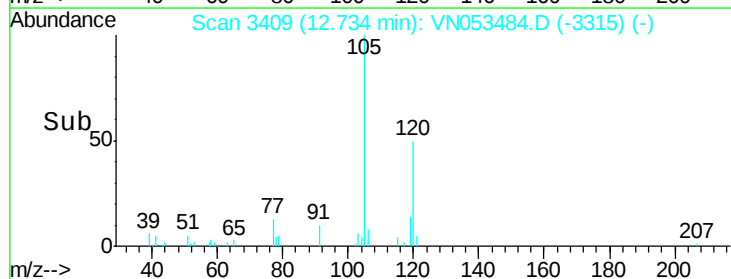
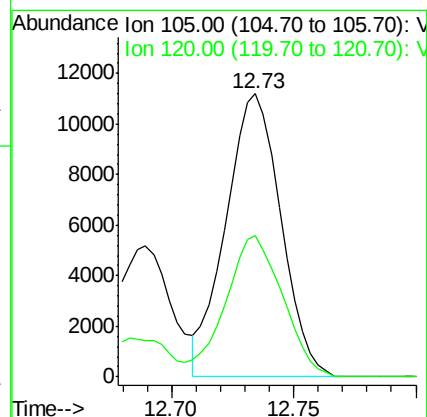
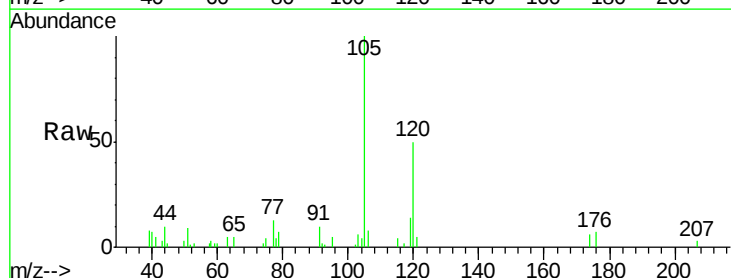
Acq: 18 Jan 2019 20:38

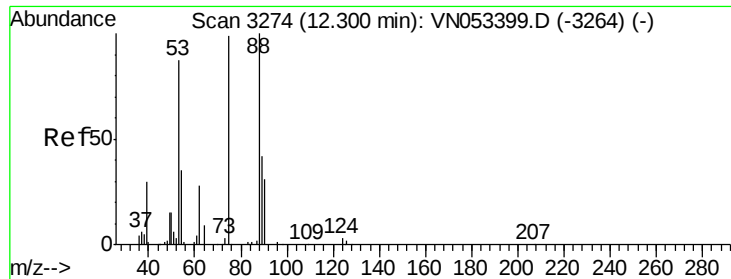
Tgt Ion: 105 Resp: 17578

Ion Ratio Lower Upper

105 100

120 51.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 88.419 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

RBR200034

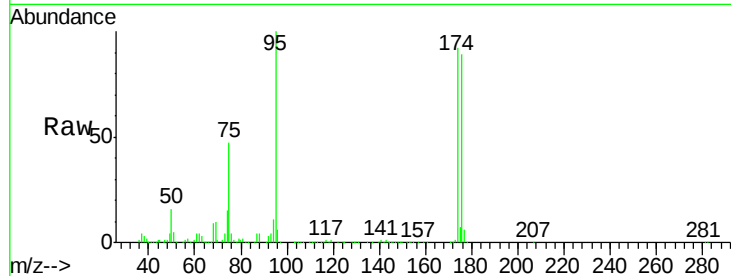
Tot Ion: 75 Resp: 282211

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

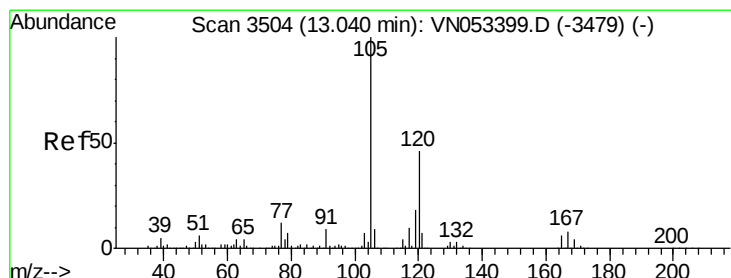
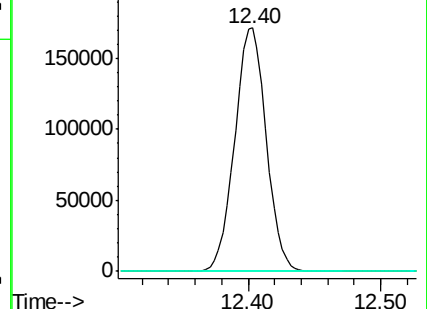
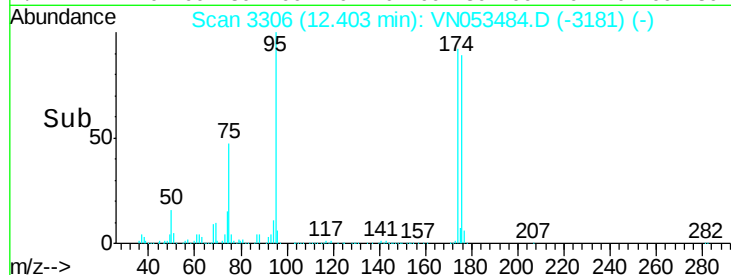
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053399.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053399.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.167 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053484.D

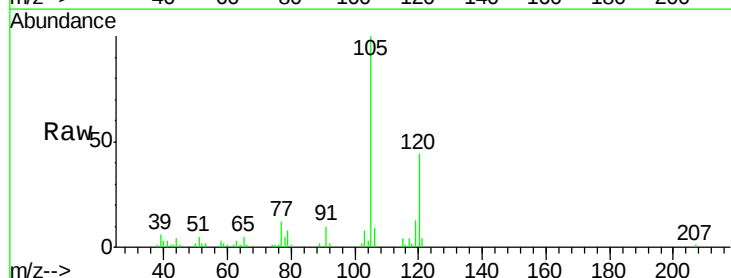
Acq: 18 Jan 2019 20:38

Tgt Ion: 105 Resp: 42017

Ion Ratio Lower Upper

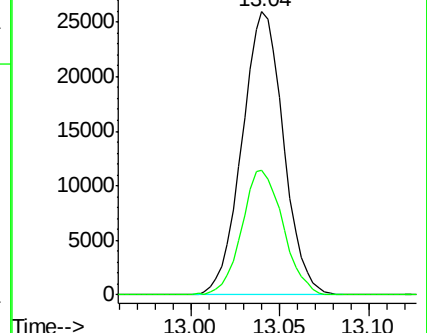
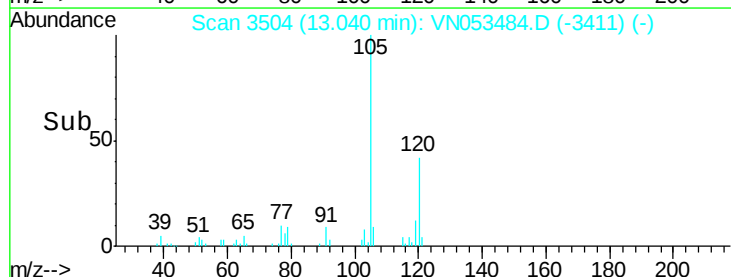
105 100

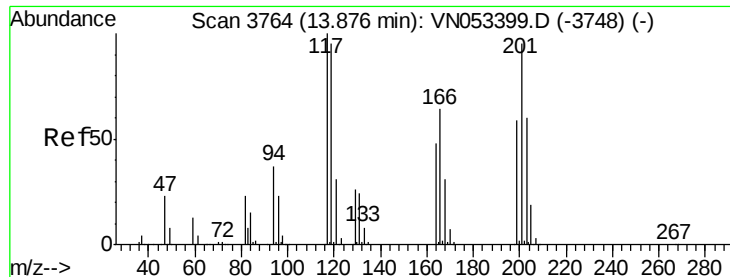
120 43.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3479) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3479) (-)





#90

Hexachloroethane

Concen: 0.378 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

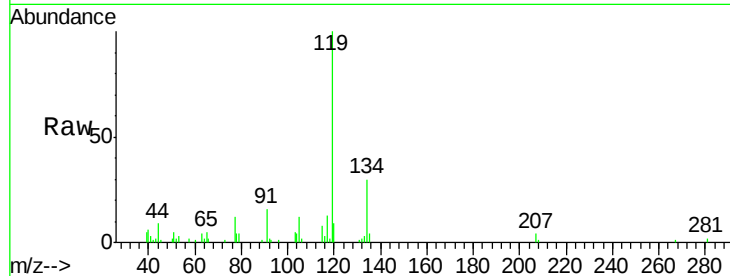
RBR200034

Tot Ion:117 Resp: 2224

Ion Ratio Lower Upper

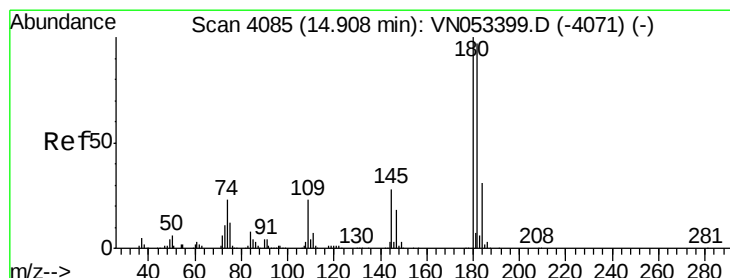
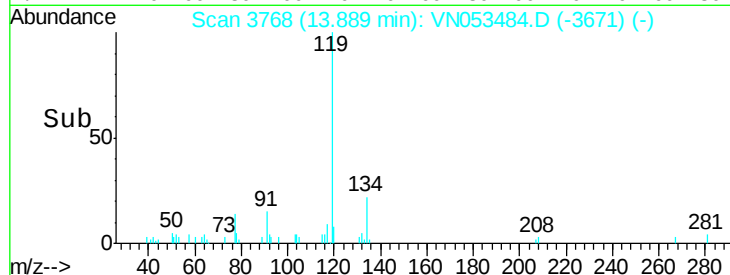
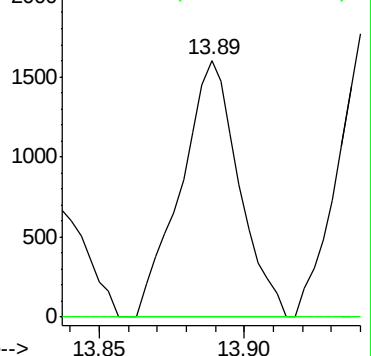
117 100

201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 3.135 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

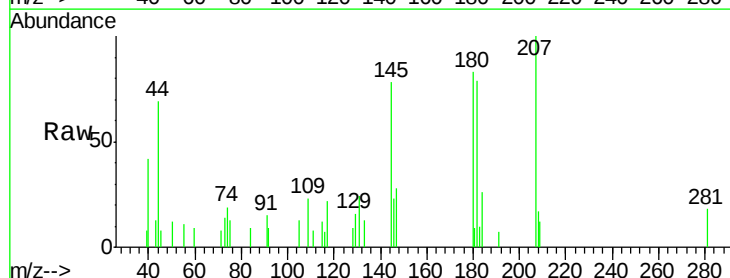
Tgt Ion:180 Resp: 3222

Ion Ratio Lower Upper

180 100

182 83.5 48.1 144.3

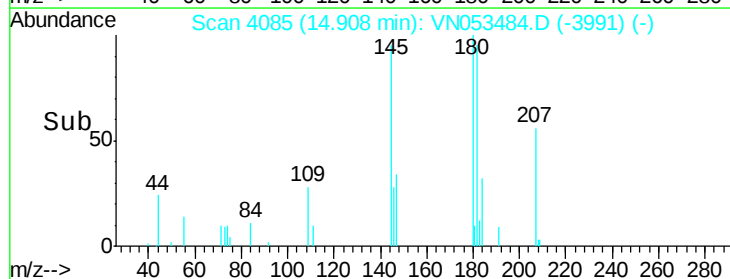
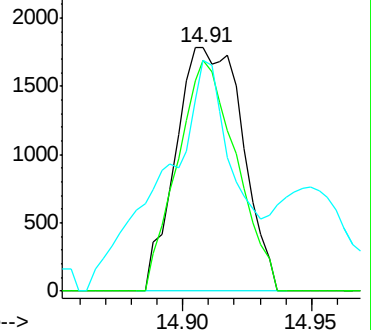
145 102.2 13.9 41.6#

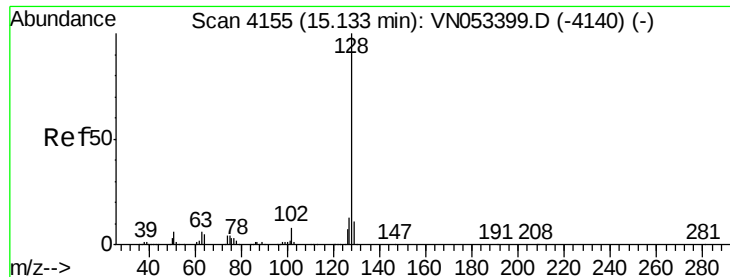


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 15.575 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

RBR200034

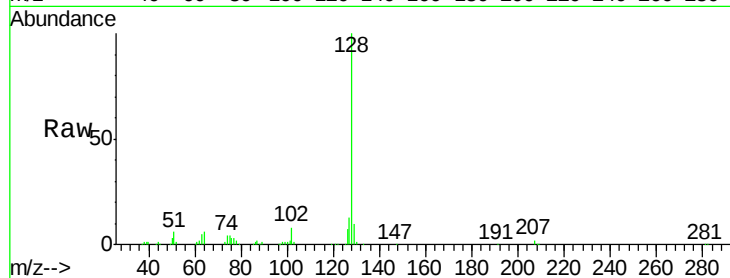
Tot Ion:128 Resp: 182924

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

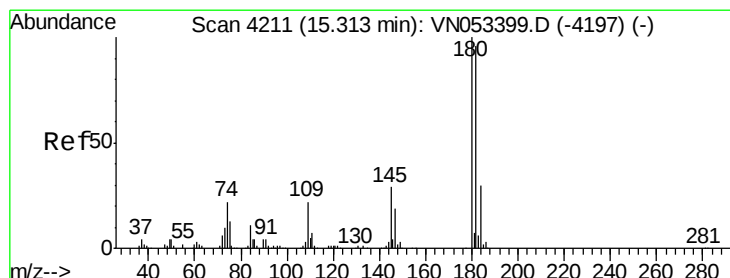
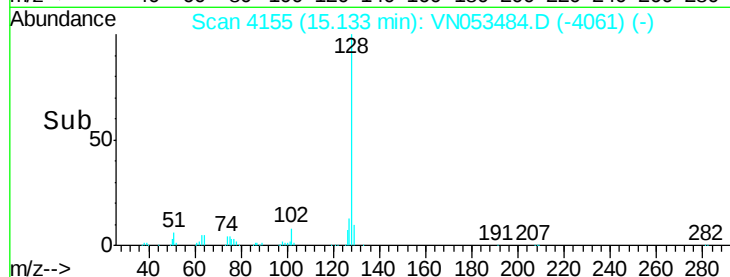
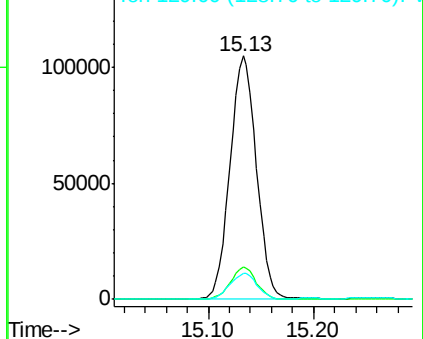
129 11.0 8.6 13.0



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: 4.440 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053484.D

Acq: 18 Jan 2019 20:38

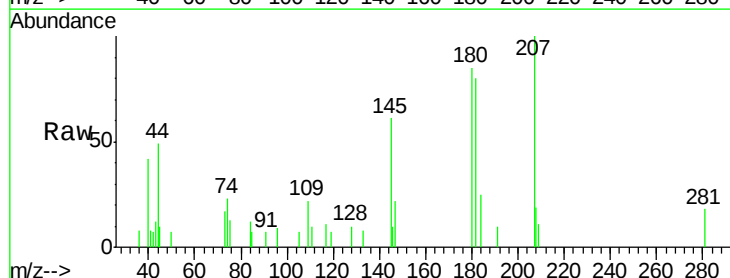
Tgt Ion:180 Resp: 3512

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.8

145 109.3 14.7 44.1#



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

