

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055919.D
 Acq On : 31 May 2019 15:08
 Operator : JC/SP
 Sample : K3134-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: May 31 18:06:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	378439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	567502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162589	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	190326	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.59	113	167232	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	10.09	98	677034	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	208387	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	

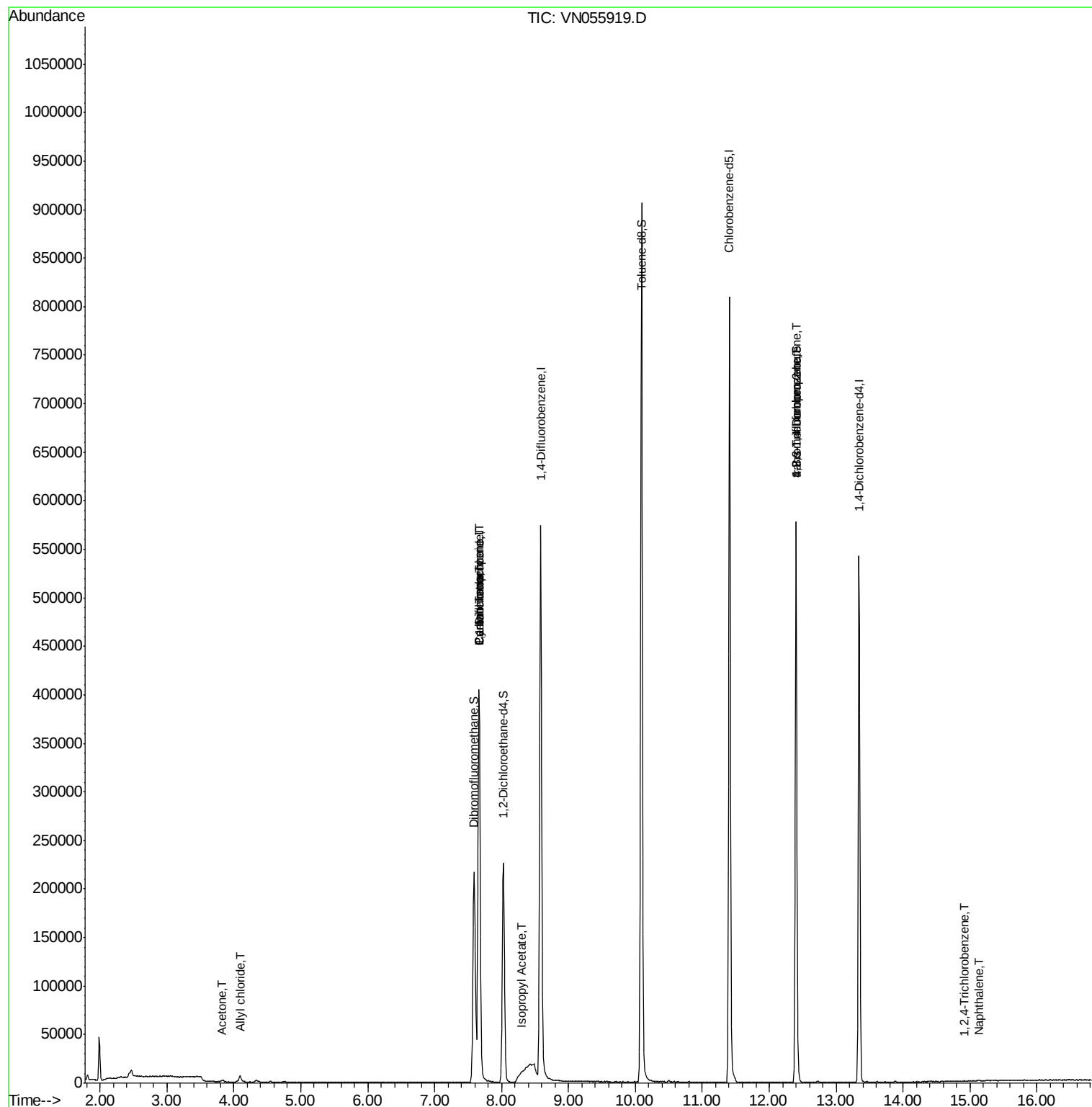
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.09	41	1132	0.205	ug/l #	76
16) Acetone	3.83	43	4007	2.332	ug/l	98
18) Methyl Acetate	4.34	43	3895	Below Cal	#	74
31) Cyclohexane	7.66	56	5615	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22523	4.554	ug/l #	48
38) Carbon Tetrachloride	7.66	117	31215	6.059	ug/l #	14
43) Isopropyl Acetate	8.29	43	12716	1.583	ug/l #	53
73) Isopropylbenzene	12.25	105	64	Below Cal	#	48
74) N-amyl acetate	12.06	43	61	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	96373	33.377	ug/l #	100
79) 2-Chlorotoluene	12.67	91	67	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	94	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	96373	79.752	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	265	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	234	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	97	3.665	ug/l #	23
95) Naphthalene	15.14	128	1671	0.222	ug/l #	69

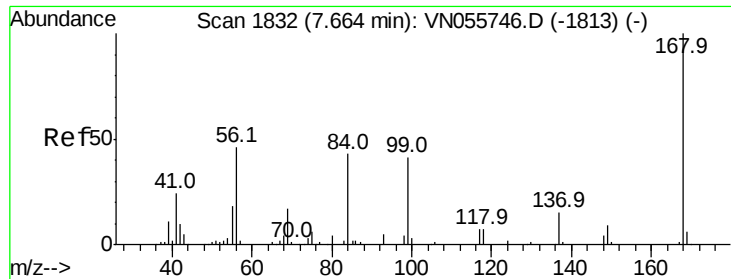
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

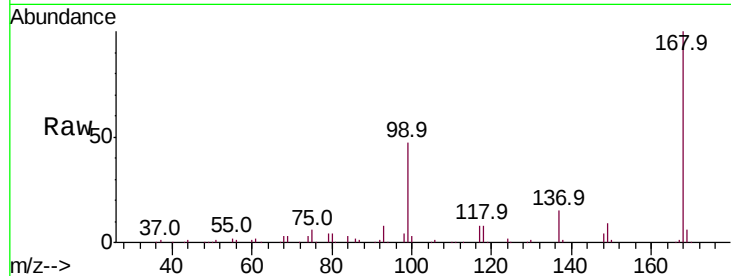
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 378439

Ion Ratio Lower Upper

168 100

99 46.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

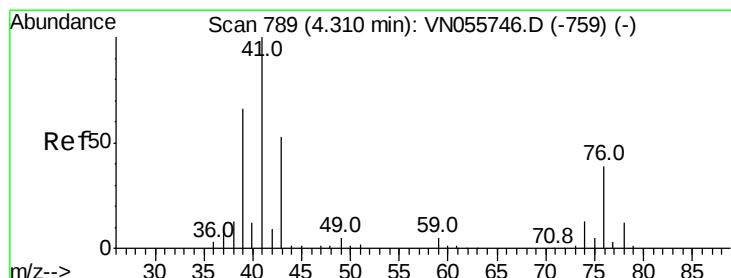
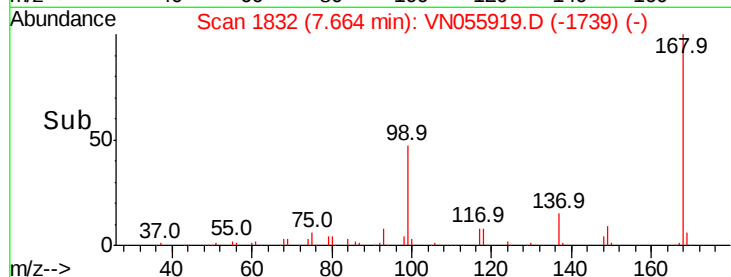
100000

50000

0

Time-->

7.60 7.70 7.80



#14

Allyl chloride

Concen: 0.205 ug/l

RT: 4.09 min Scan# 720

Delta R.T. -0.22 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

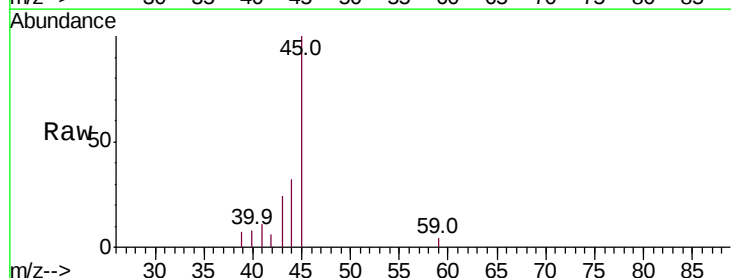
Tgt Ion: 41 Resp: 1132

Ion Ratio Lower Upper

41 100

39 60.2 50.0 75.0

76 0.0 28.2 42.2#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.09

500

400

300

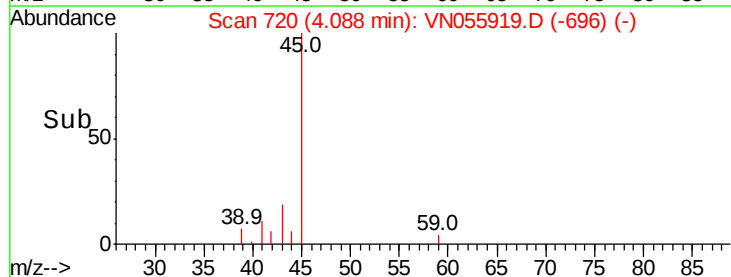
200

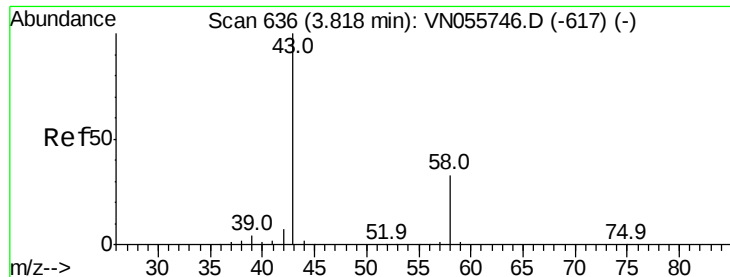
100

0

Time-->

4.05 4.10 4.15





#16

Acetone

Concen: 2.332 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

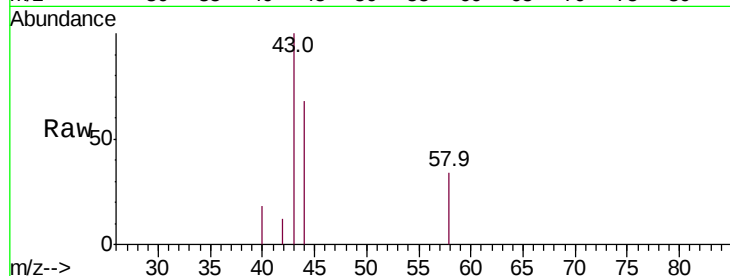
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 4007

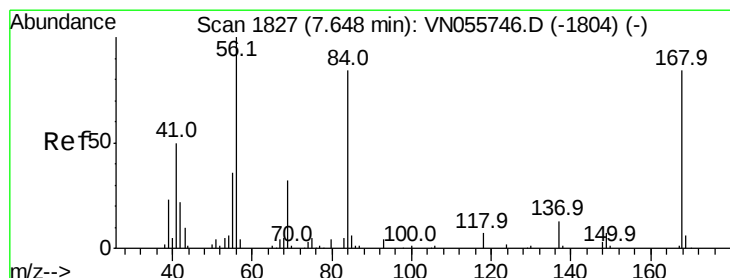
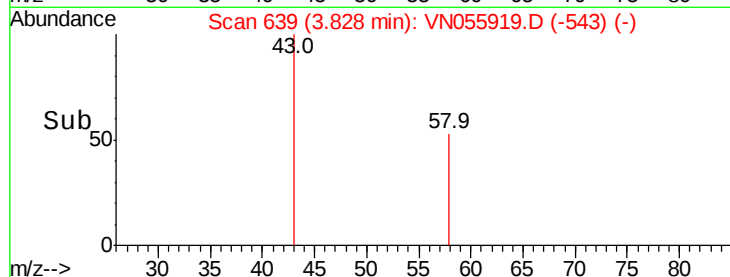
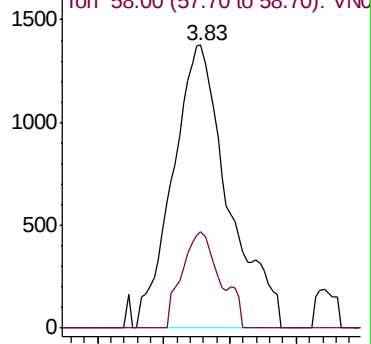
Ion Ratio Lower Upper

43 100

58 34.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055919.D (-543) (-)



#31

Cyclohexane

Concen: 0.957 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

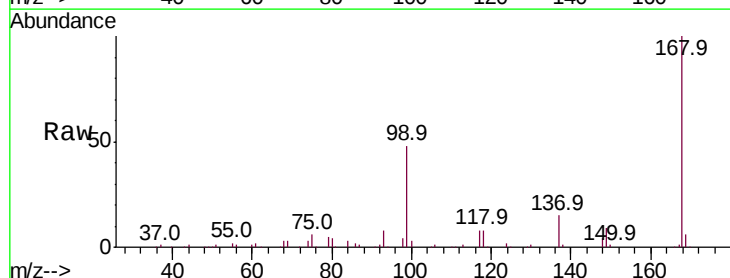
Tgt Ion: 56 Resp: 5615

Ion Ratio Lower Upper

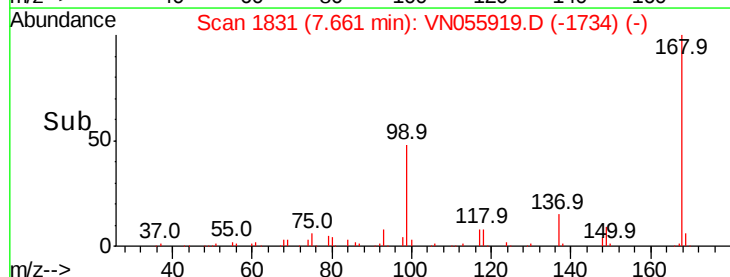
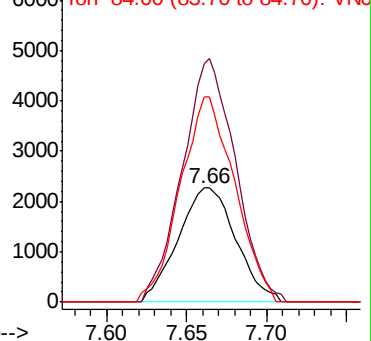
56 100

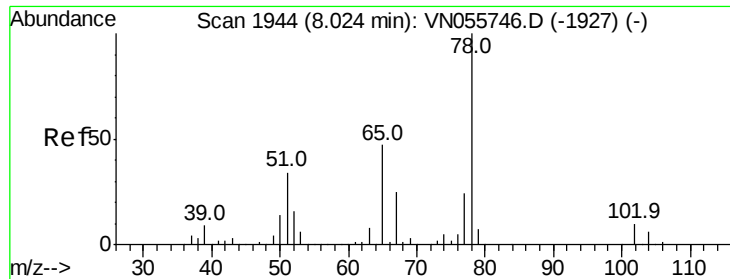
69 209.0 25.6 38.4#

84 179.6 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN055919.D (-1734) (-)

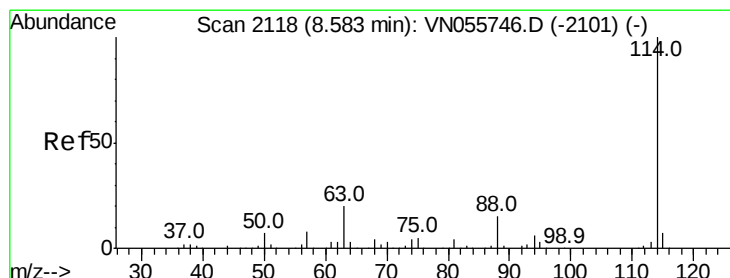
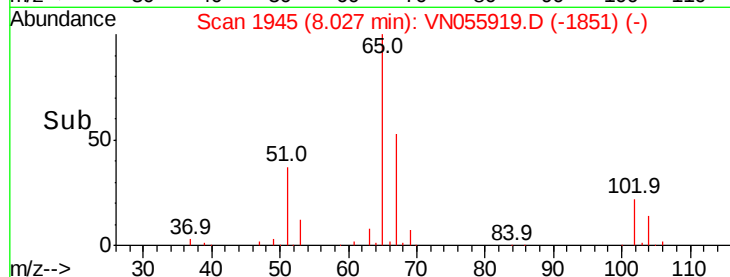
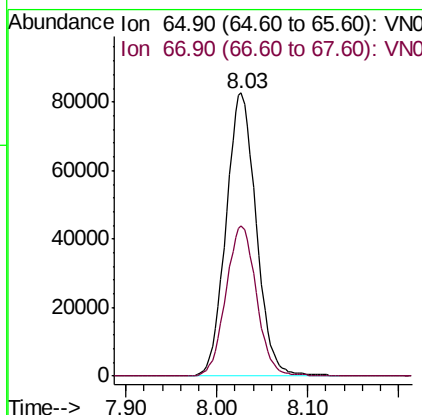
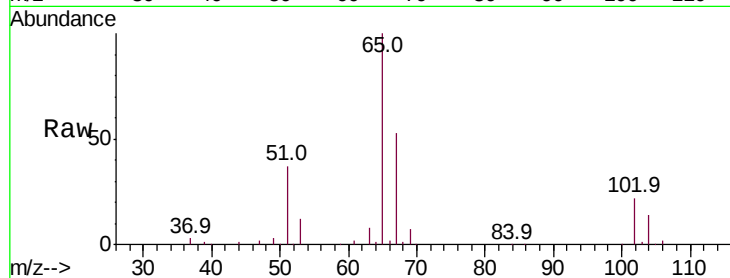




#33
 1,2-Dichloroethane-d4
 Concen: 48.699 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055919.D
 Acq: 31 May 2019 15:08

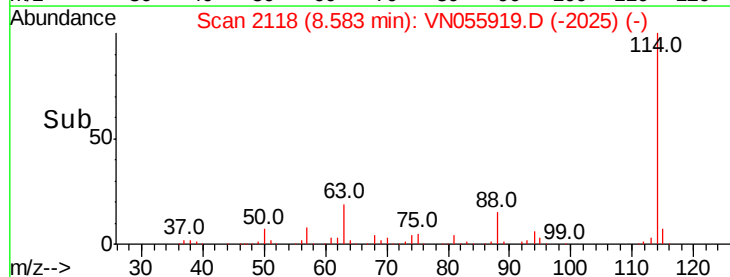
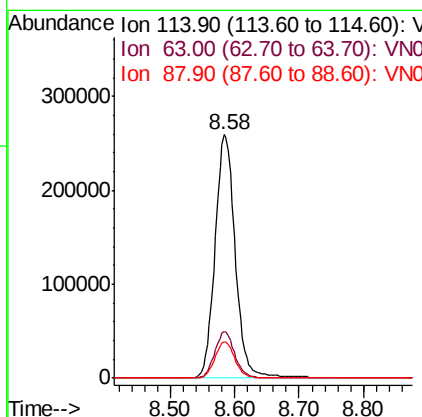
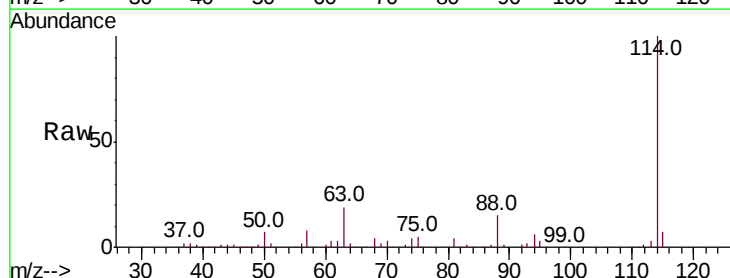
Instrument :
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 STORAGE-BLANK-WATER-REF-5

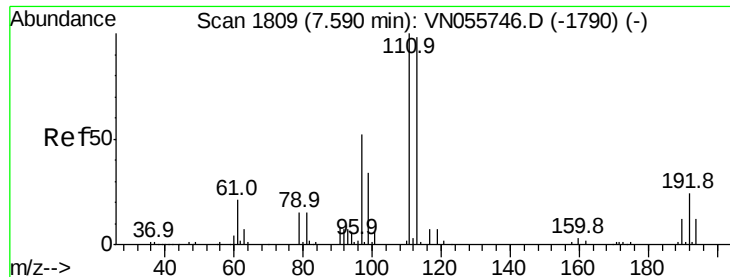
Tot Ion: 65 Resp: 190326
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055919.D
 Acq: 31 May 2019 15:08

Tgt Ion: 114 Resp: 567502
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.609 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

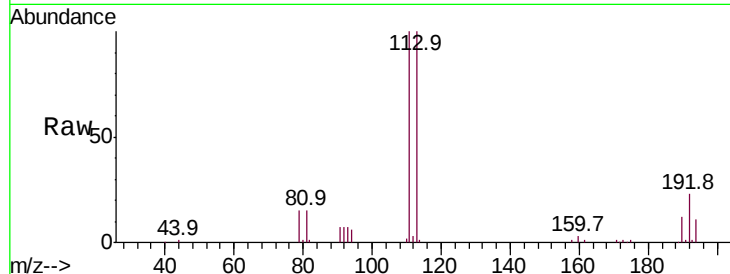
Tot Ion:113 Resp: 167232

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

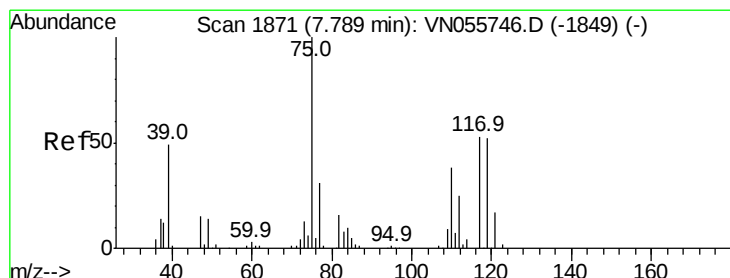
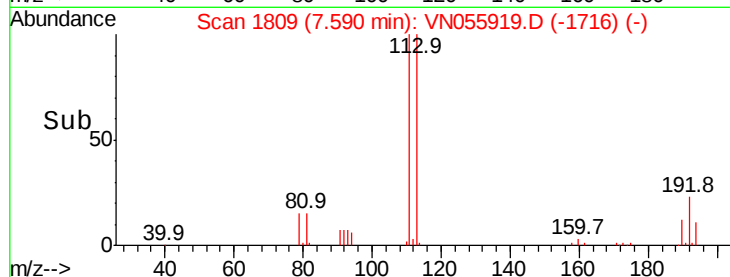
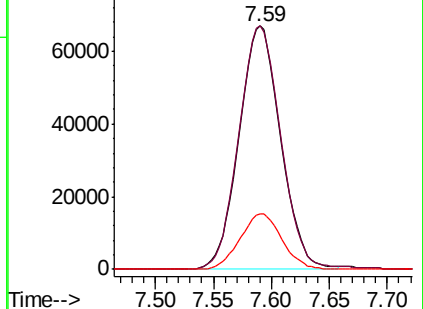
192 23.0 19.5 29.3



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: 4.554 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

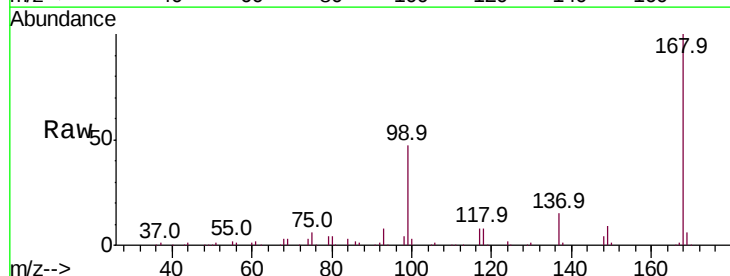
Tgt Ion: 75 Resp: 22523

Ion Ratio Lower Upper

75 100

110 8.7 19.0 57.0#

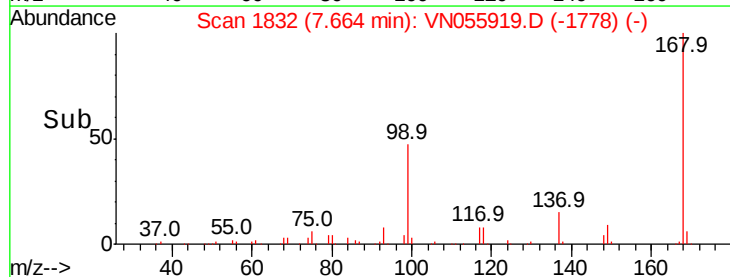
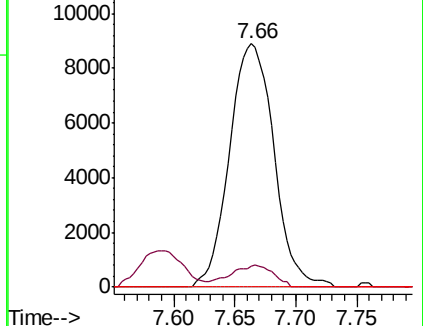
77 0.0 25.1 37.7#

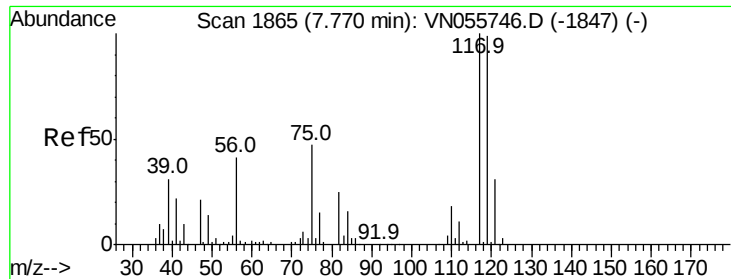


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

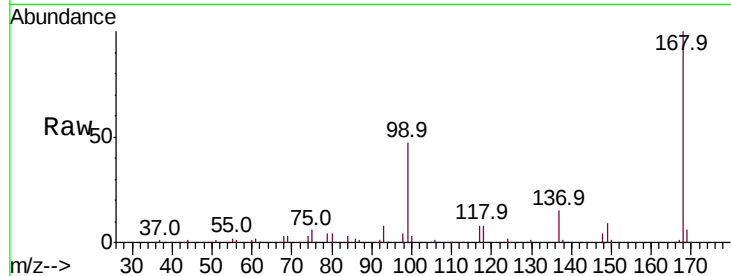




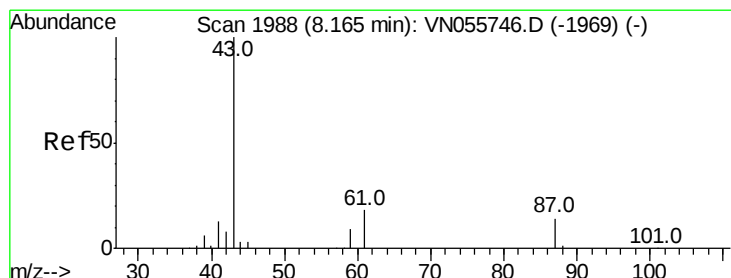
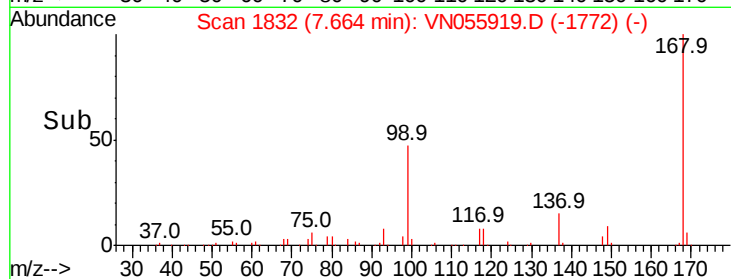
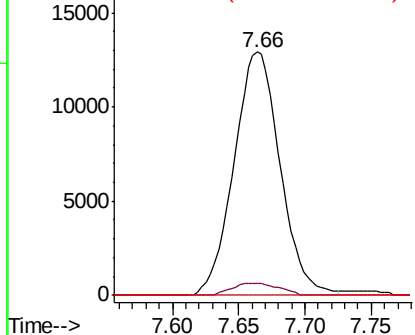
#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055919.D
Acq: 31 May 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:117 Resp: 31215
Ion Ratio Lower Upper
117 100
119 4.7 79.0 118.6#
121 0.0 24.7 37.1#

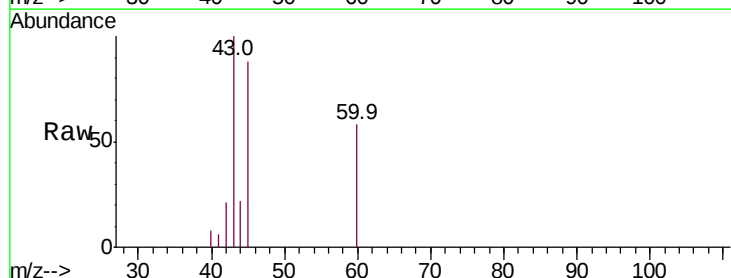


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

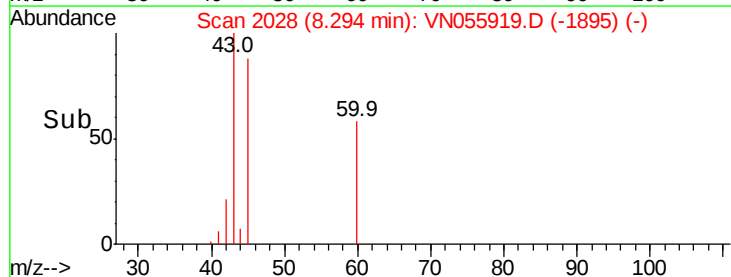
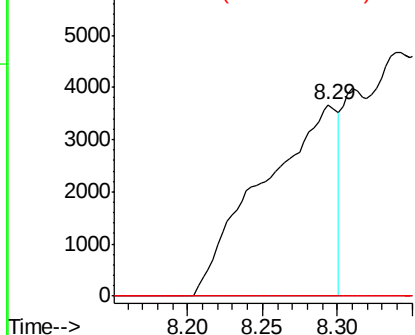


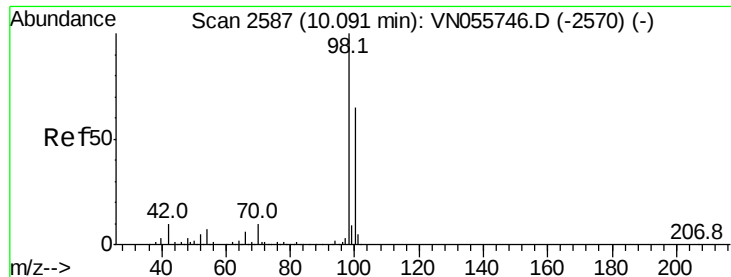
#43
Isopropyl Acetate
Concen: 1.583 ug/l
RT: 8.29 min Scan# 2028
Delta R.T. 0.13 min
Lab File: VN055919.D
Acq: 31 May 2019 15:08

Tgt Ion: 43 Resp: 12716
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



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





#50

Toluene-d8

Concen: 49.192 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

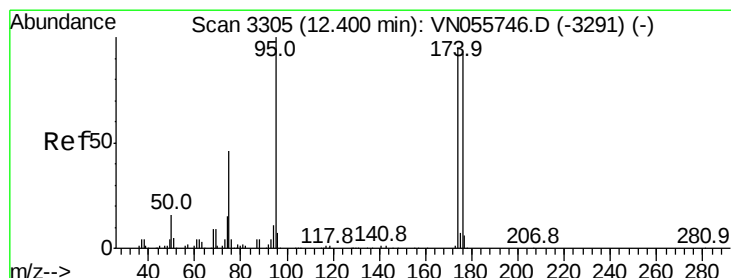
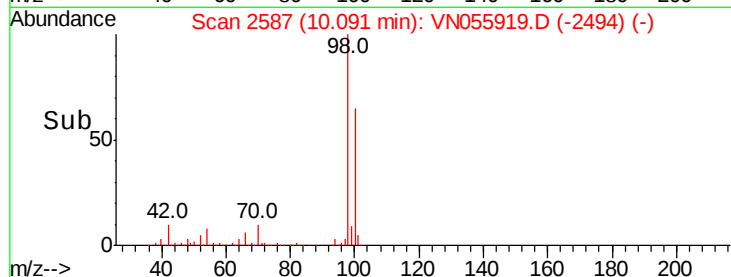
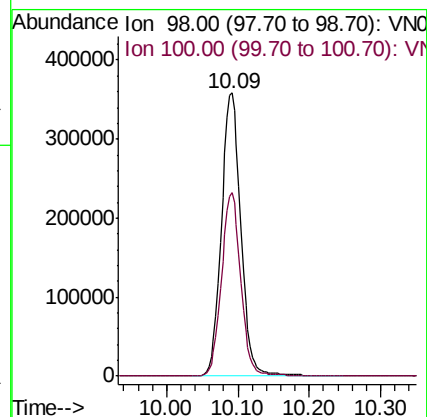
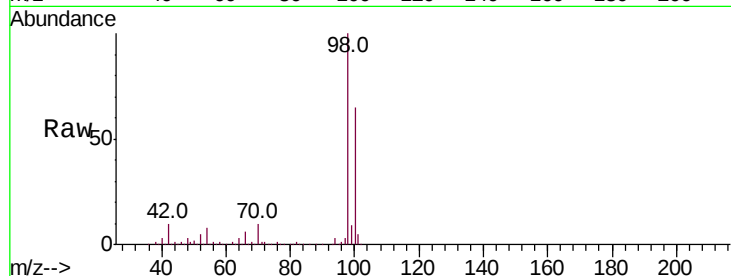
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 677034

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.157 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

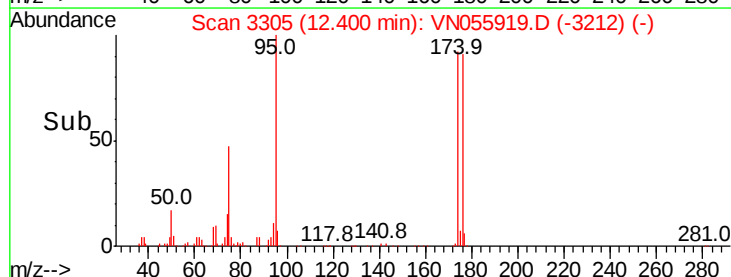
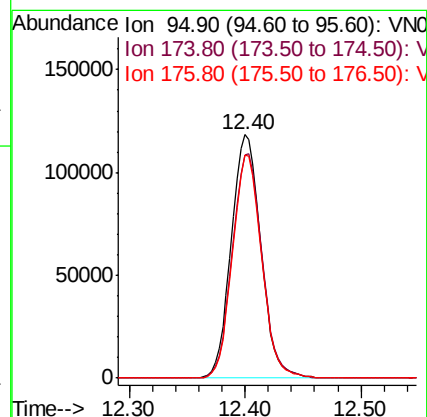
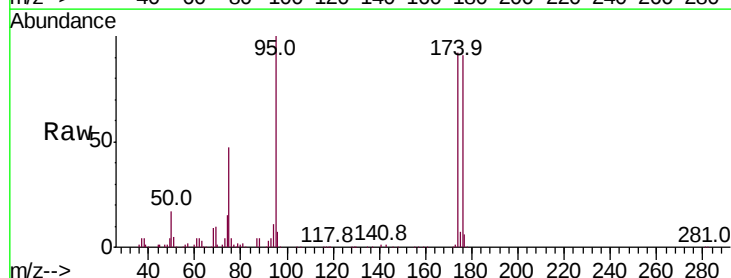
Tgt Ion: 95 Resp: 208387

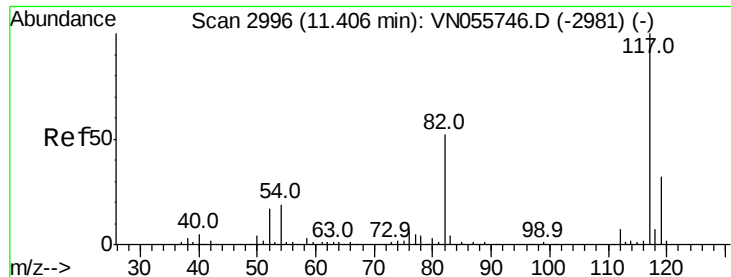
Ion Ratio Lower Upper

95 100

174 92.5 0.0 191.0

176 90.4 0.0 185.2

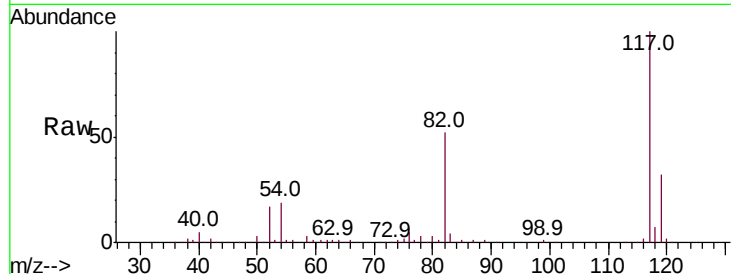




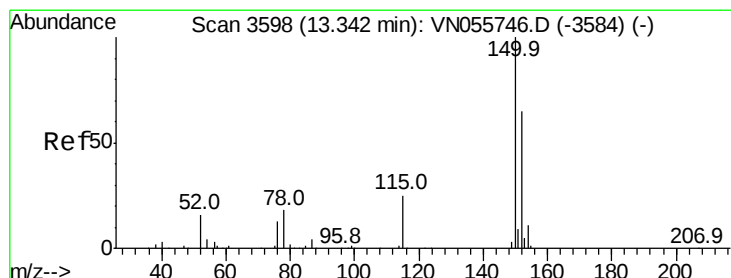
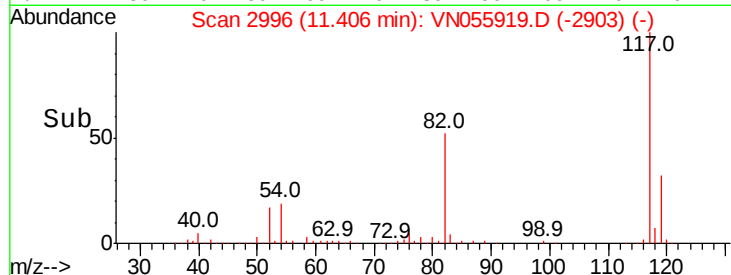
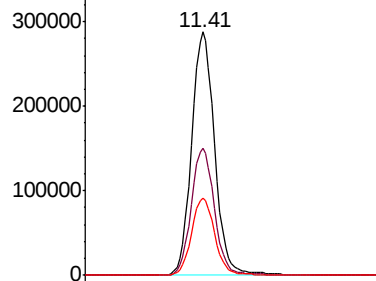
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055919.D
Acq: 31 May 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:117 Resp: 514395
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 31.9 25.4 38.0

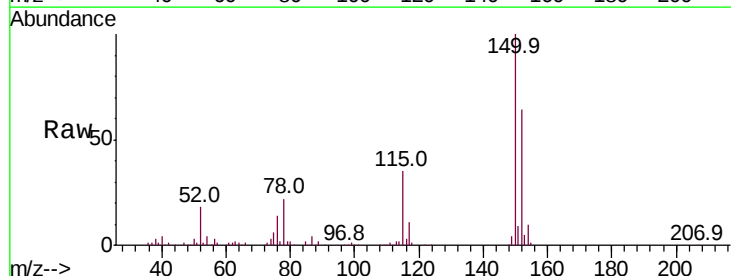


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

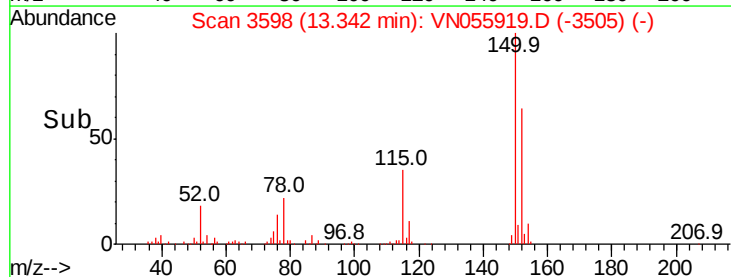
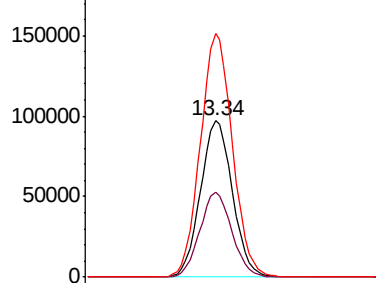


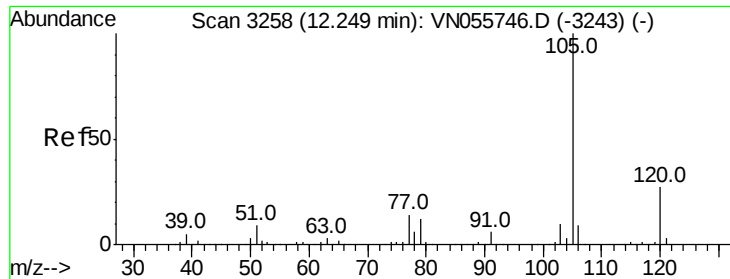
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055919.D
Acq: 31 May 2019 15:08

Tgt Ion:152 Resp: 162589
Ion Ratio Lower Upper
152 100
115 54.0 27.0 81.0
150 156.2 0.0 343.2



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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

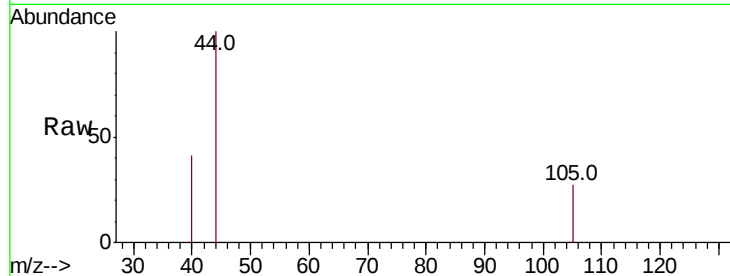
STORAGE-BLANK-WATER-REF-5

Tot Ion:105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

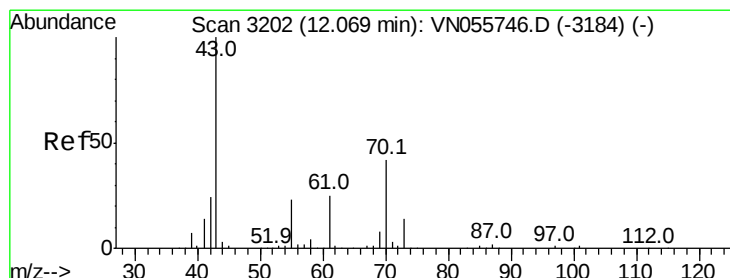
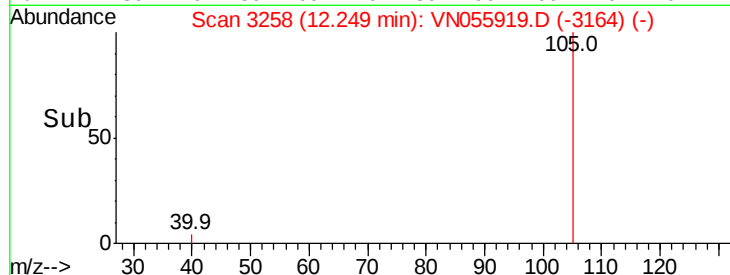
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Tgt Ion: 43 Resp: 61

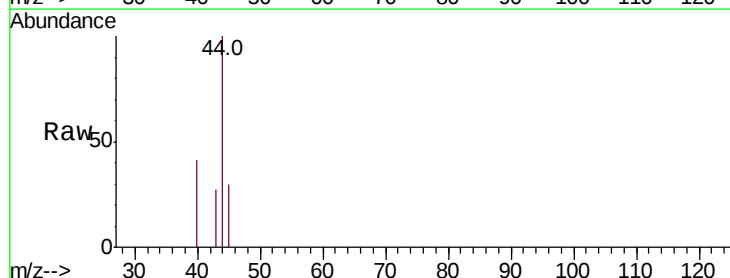
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 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

250

200

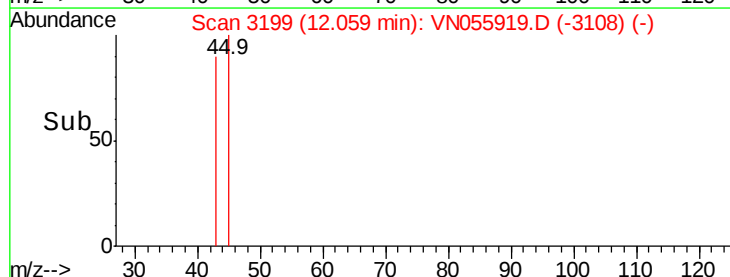
150

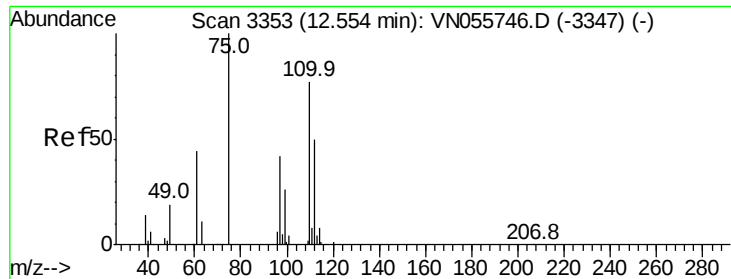
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 33.377 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

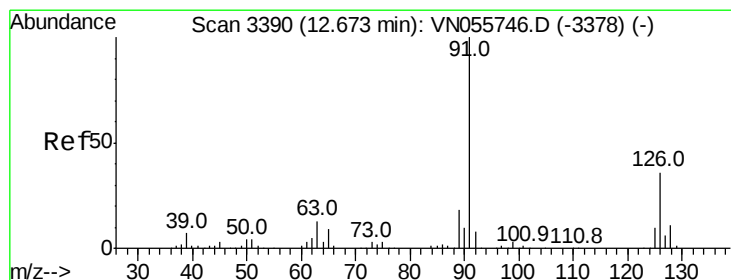
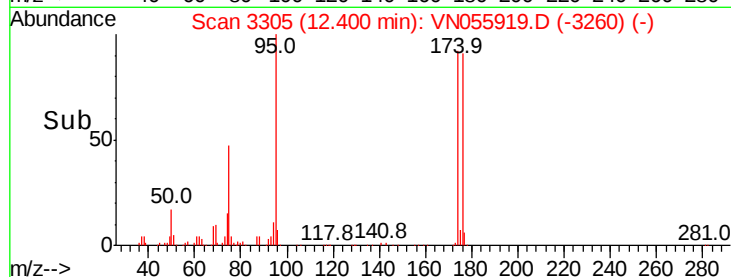
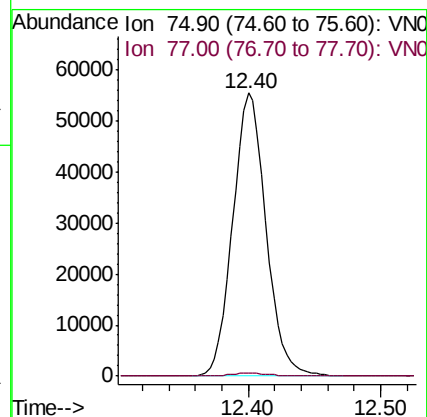
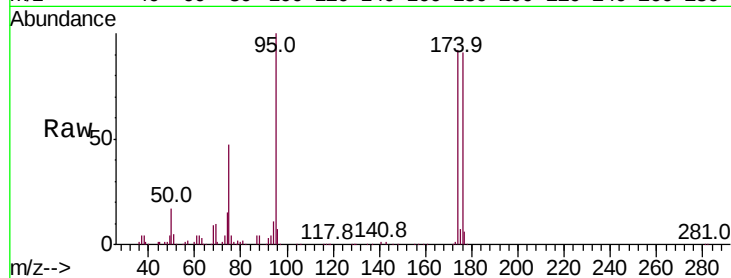
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 96373

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055919.D

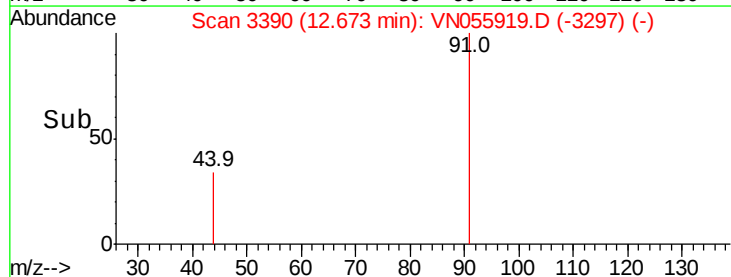
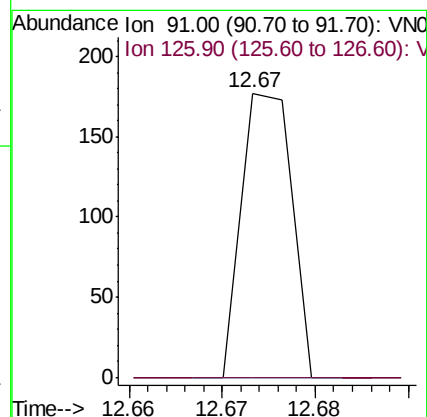
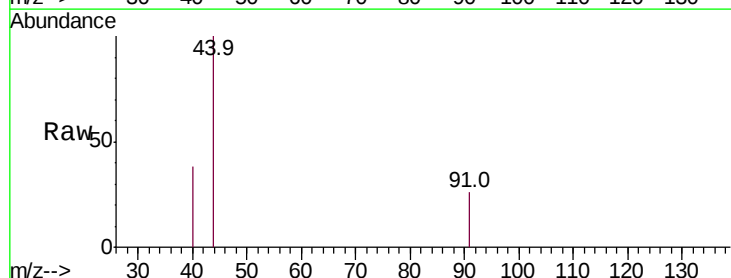
Acq: 31 May 2019 15:08

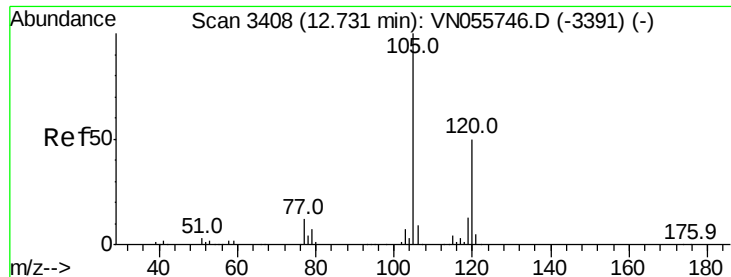
Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

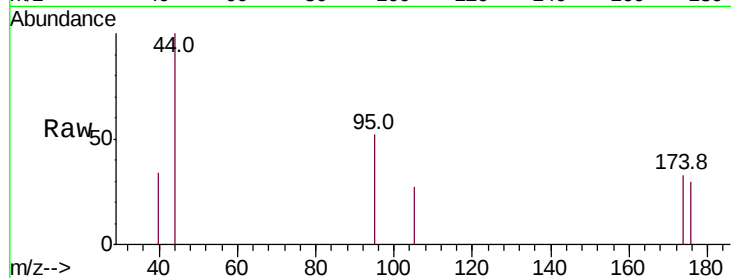
STORAGE-BLANK-WATER-REF-5

Tot Ion:105 Resp: 94

Ion Ratio Lower Upper

105 100

120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

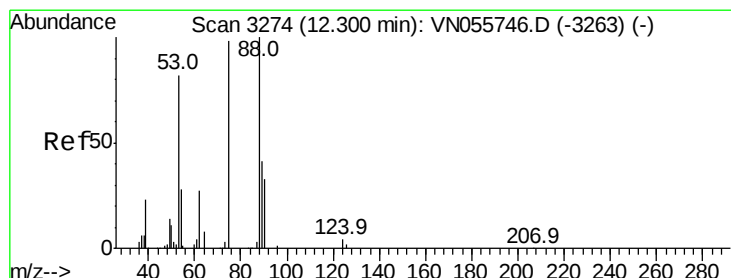
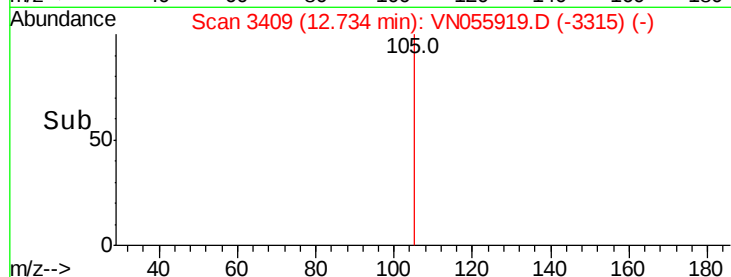
150

100

50

0

Time--> 12.72 12.73 12.74 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 79.752 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

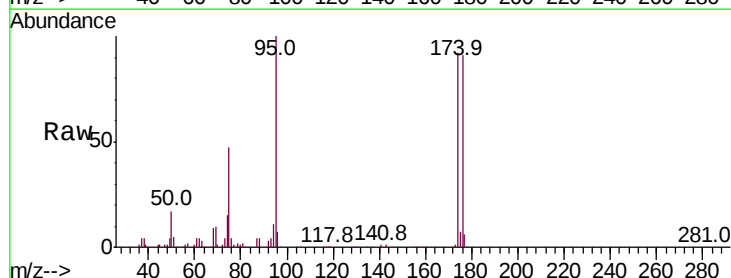
Tgt Ion: 75 Resp: 96373

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

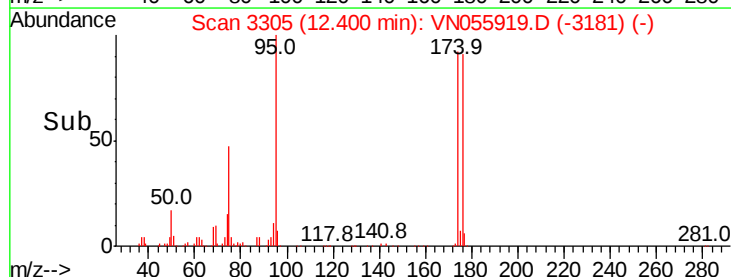
60000

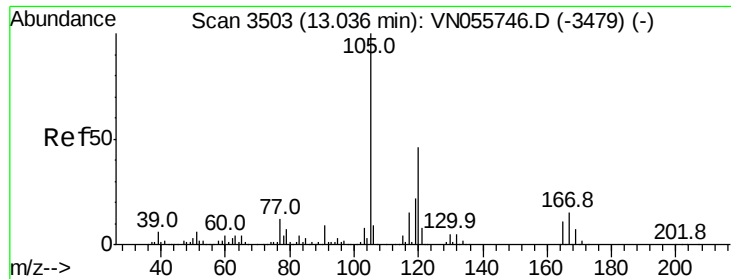
40000

20000

0

Time--> 12.40 12.50

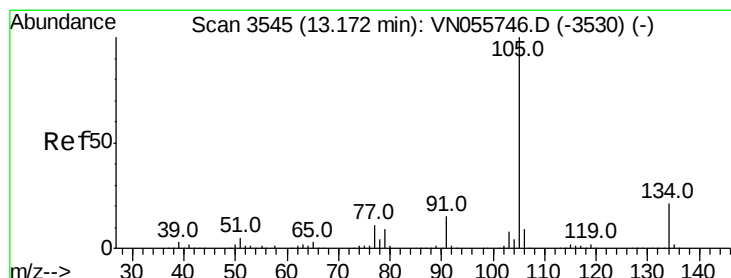
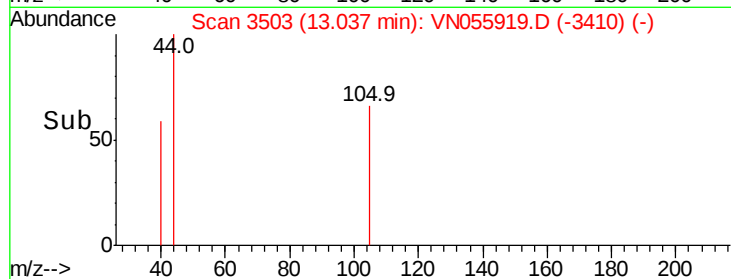
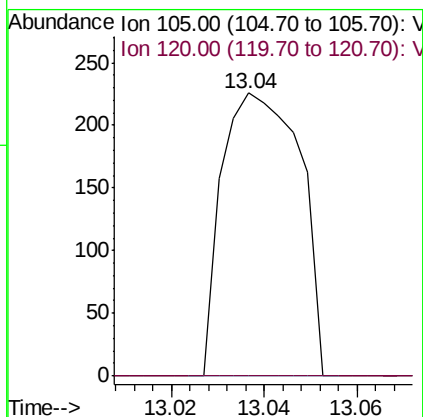
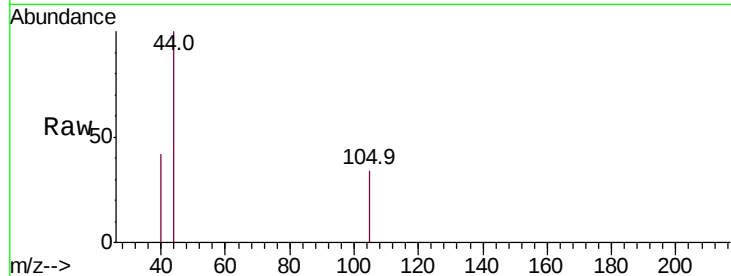




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055919.D
 Acq: 31 May 2019 15:08

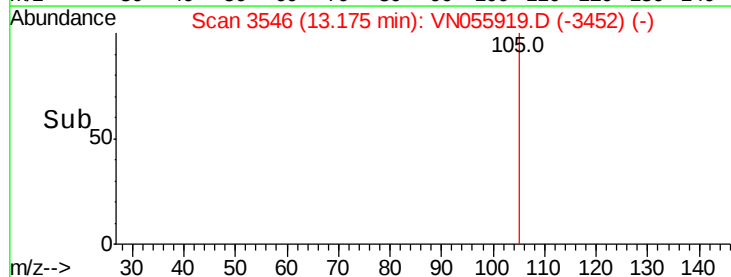
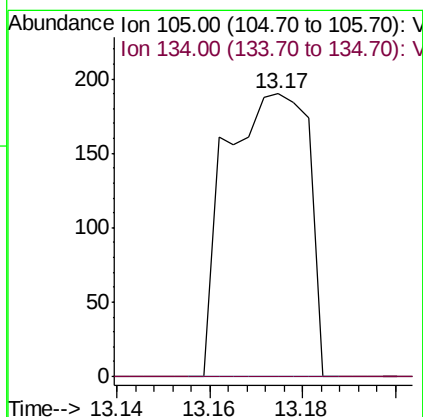
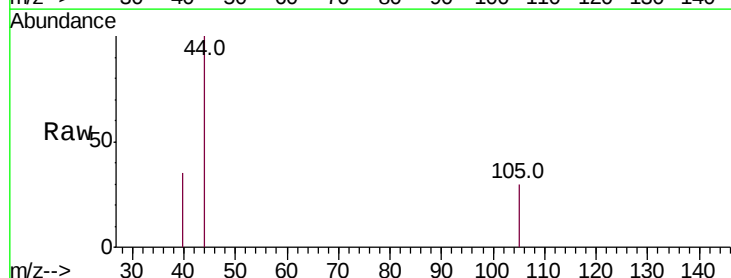
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

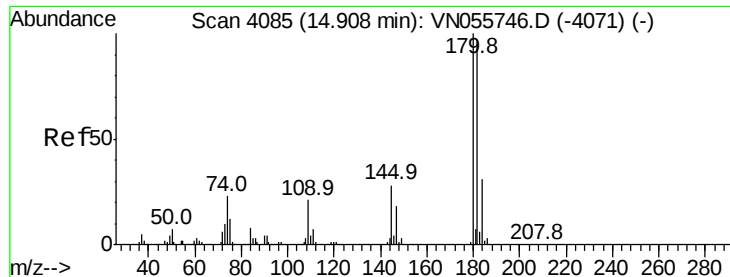
Tot Ion:105 Resp: 265
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.0 69.0#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN055919.D
 Acq: 31 May 2019 15:08

Tgt Ion:105 Resp: 234
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#





#93

1,2,4-Trichlorobenzene

Concen: 3.665 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

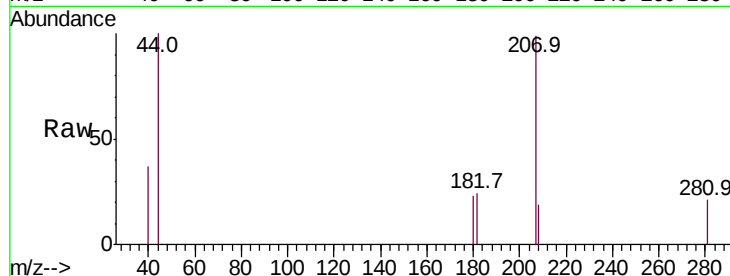
Tot Ion:180 Resp: 97

Ion Ratio Lower Upper

180 100

182 178.4 48.3 144.9#

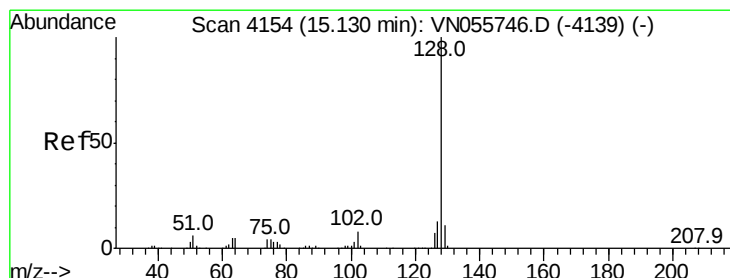
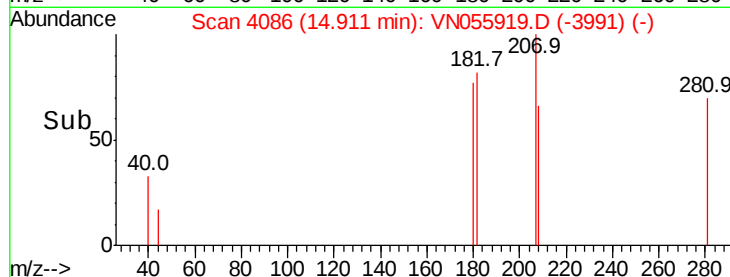
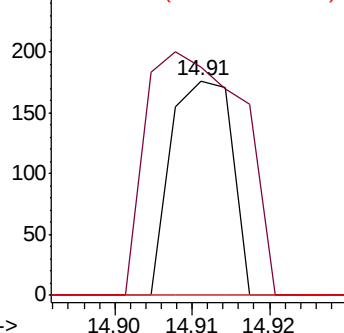
145 0.0 14.0 41.9#



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: 0.222 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055919.D

Acq: 31 May 2019 15:08

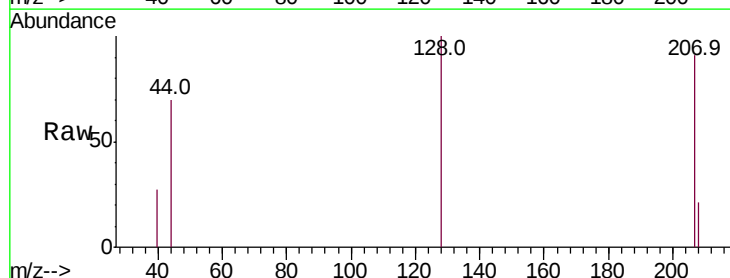
Tgt Ion:128 Resp: 1671

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



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

