

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055025.D
 Acq On : 13 Apr 2019 13:15
 Operator : JC/SP
 Sample : K2383-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

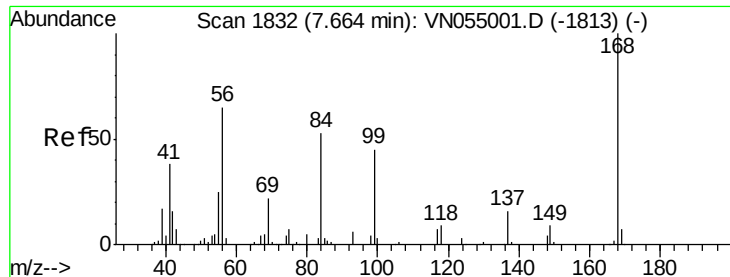
Quant Time: Apr 14 03:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	544622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	868273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	732563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230726	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	348740	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	7.59	113	280797	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.09	98	1039453	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	305188	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	754	1.793	ug/l #	72
13) Acrolein	3.60	56	118	0.232	ug/l #	1
16) Acetone	3.82	43	1501	0.799	ug/l	91
18) Methyl Acetate	4.33	43	1761	0.303	ug/l #	67
20) Methylene Chloride	4.54	84	672	Below Cal	#	64
31) Cyclohexane	7.66	56	11282	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	41608	5.185	ug/l #	50
38) Carbon Tetrachloride	7.66	117	51802	6.858	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.89	63	30	18.212	ug/l #	50
71) Bromoform	12.40	173	2473	3.242	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	156929	36.970	ug/l #	100
77) Bromobenzene	12.40	156	30	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	12.40	75	156929	152.592	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.90	180	349	3.617	ug/l #	65
94) Hexachlorobutadiene	15.00	225	263	Below Cal	#	18
95) Naphthalene	15.14	128	697	4.747	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055025.D

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MSVOA_N

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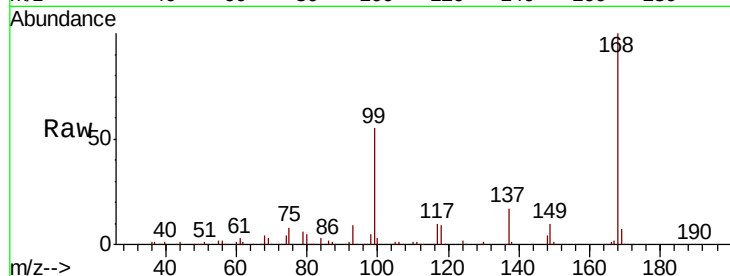
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 544622

Ion Ratio Lower Upper

168 100

99 54.8 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

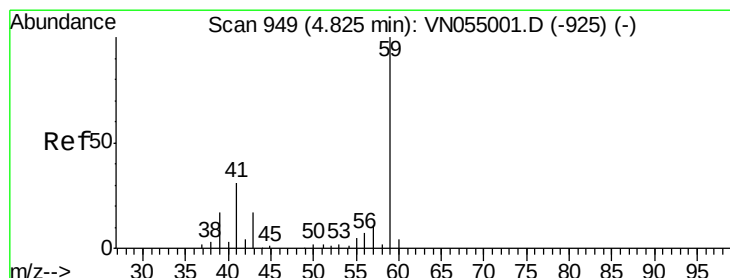
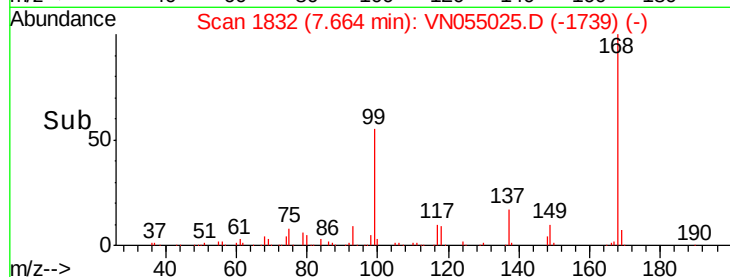
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.793 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.08 min

Lab File: VN055025.D

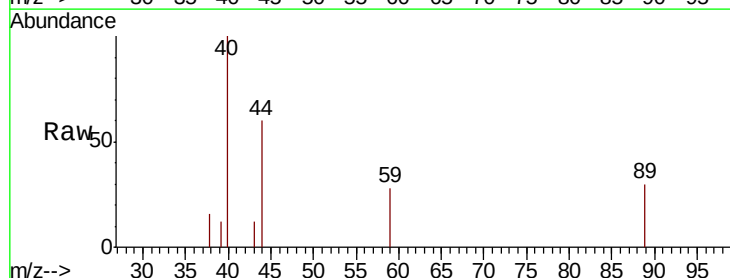
Acq: 13 Apr 2019 13:15

Tgt Ion: 59 Resp: 754

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

400

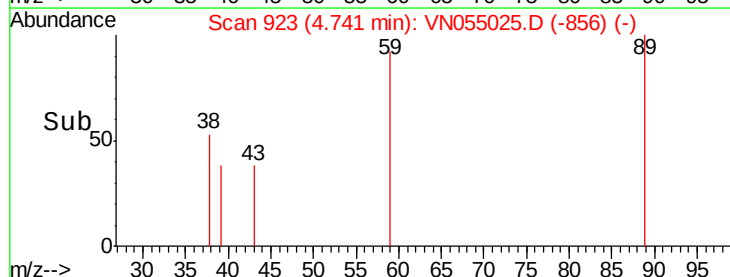
300

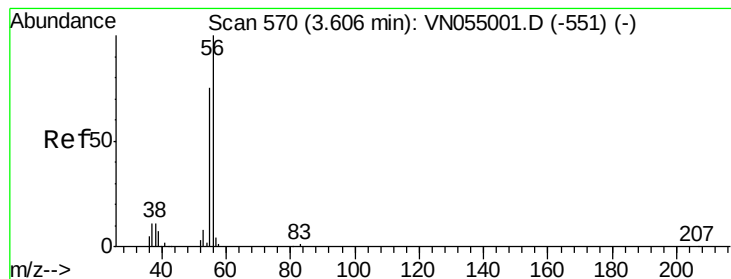
200

100

0

Time-->





#13

Acrolein

Concen: 0.232 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

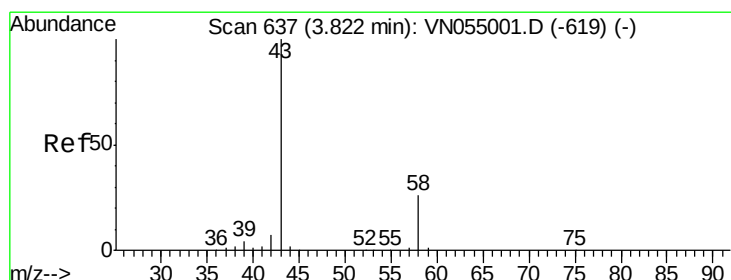
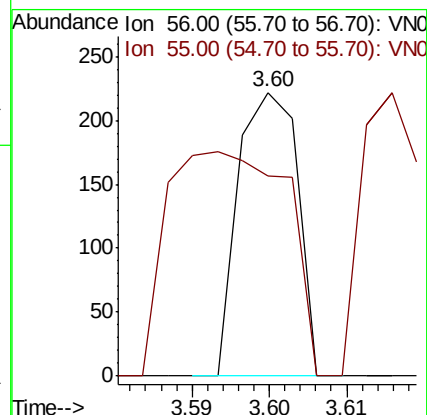
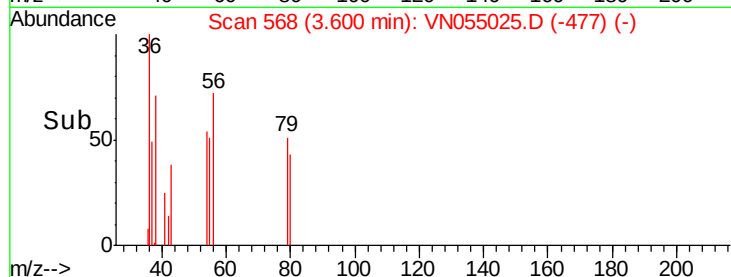
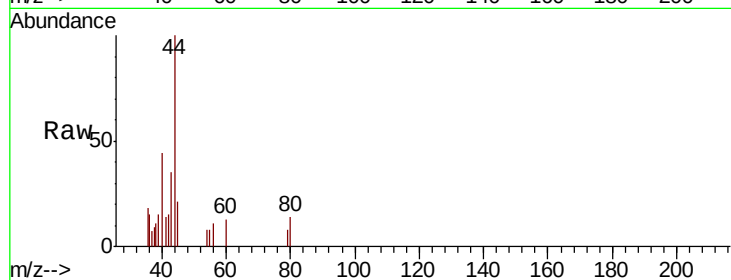
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 161.0 59.5 89.3#



#16

Acetone

Concen: 0.799 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055025.D

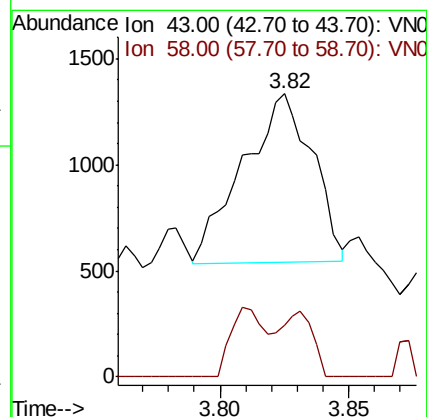
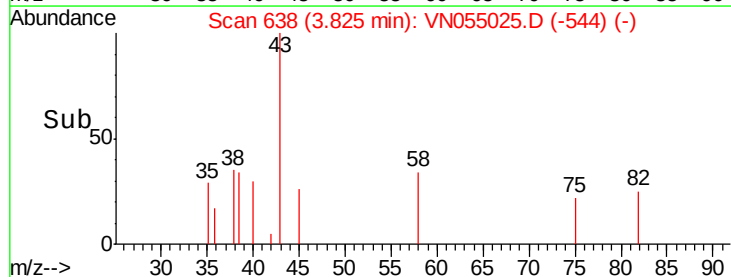
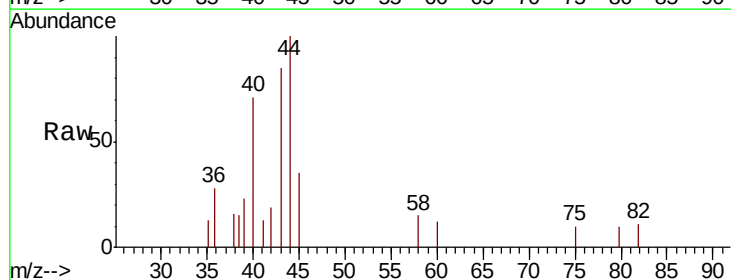
Acq: 13 Apr 2019 13:15

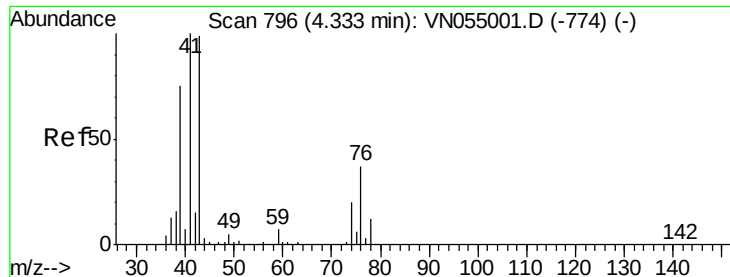
Tgt Ion: 43 Resp: 1501

Ion Ratio Lower Upper

43 100

58 30.6 20.9 31.3

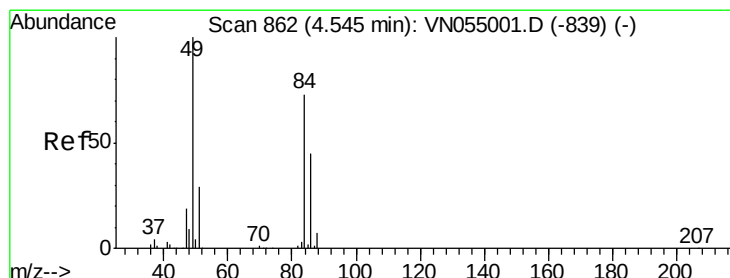
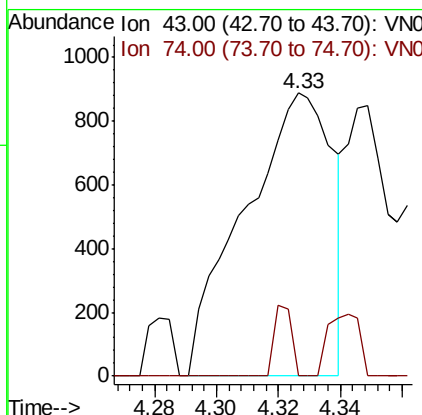
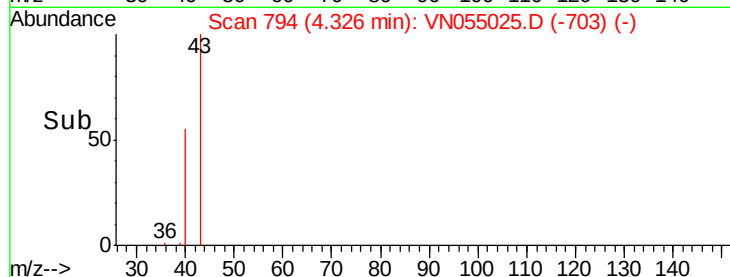
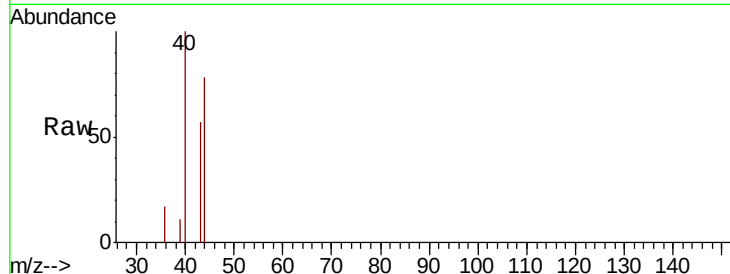




#18
Methyl Acetate
Concen: 0.303 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.01 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

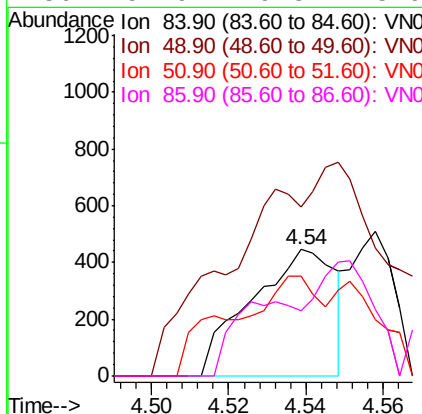
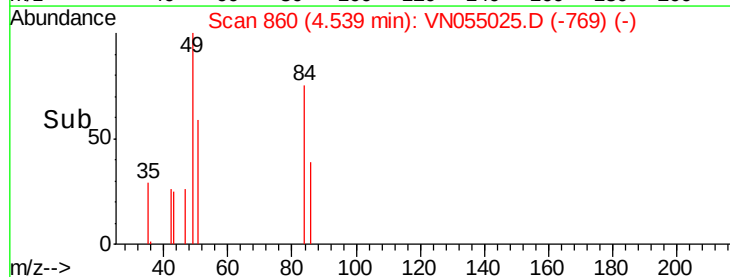
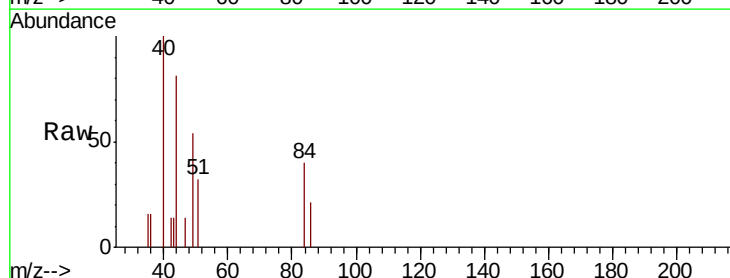
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

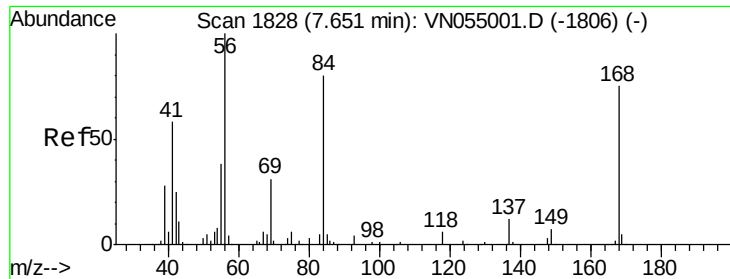
Tot Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
74 4.7 16.1 24.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

Tgt Ion: 84 Resp: 672
Ion Ratio Lower Upper
84 100
49 69.4 109.4 164.2#
51 44.3 32.2 48.4
86 51.9 49.3 73.9

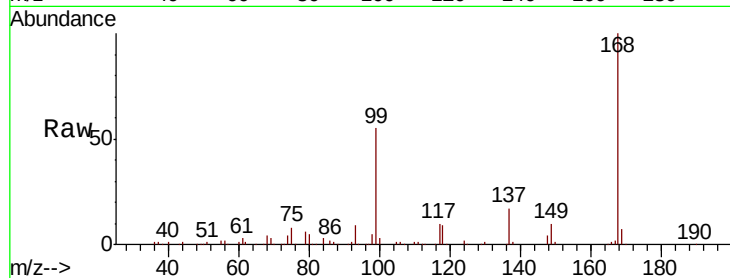




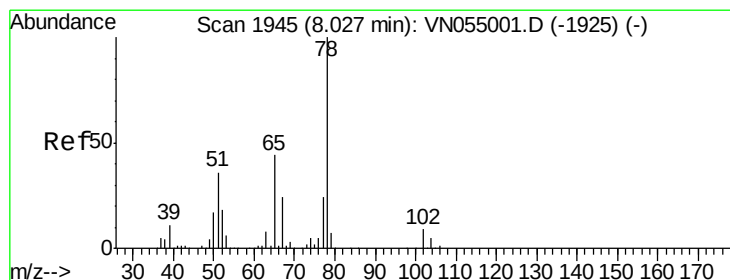
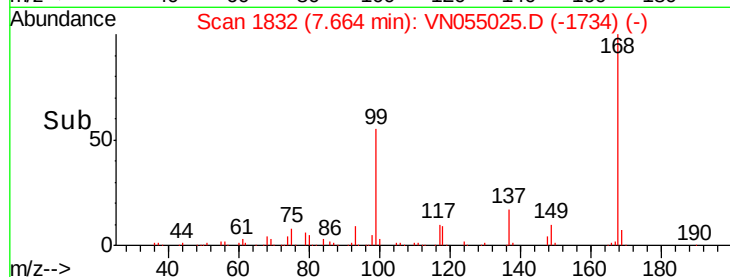
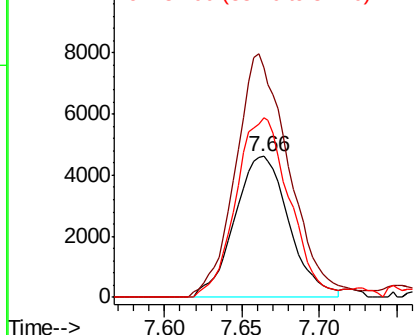
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

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

Tot Ion: 56 Resp: 11282
Ion Ratio Lower Upper
56 100
69 162.7 24.5 36.7#
84 127.6 62.9 94.3#

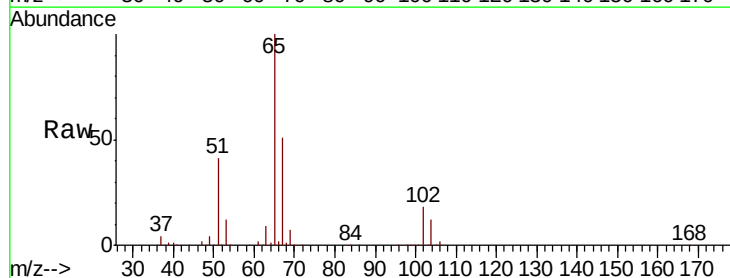


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

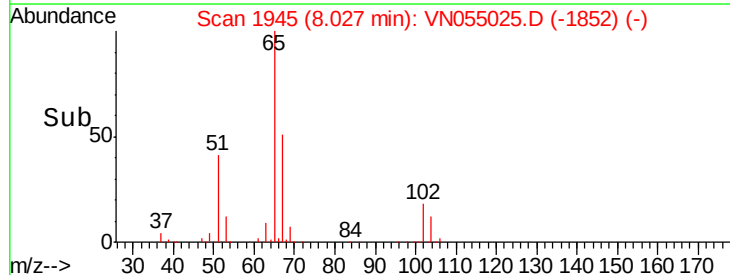
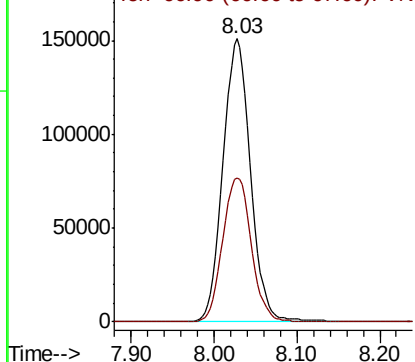


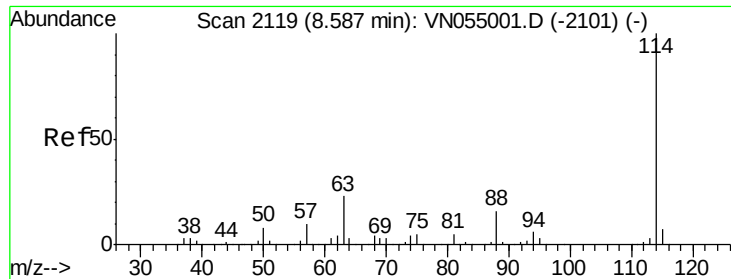
#33
1,2-Dichloroethane-d4
Concen: 51.025 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

Tgt Ion: 65 Resp: 348740
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

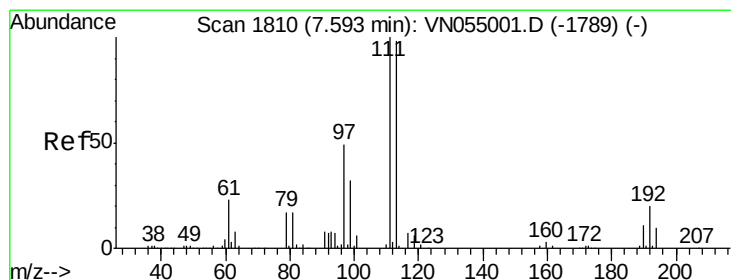
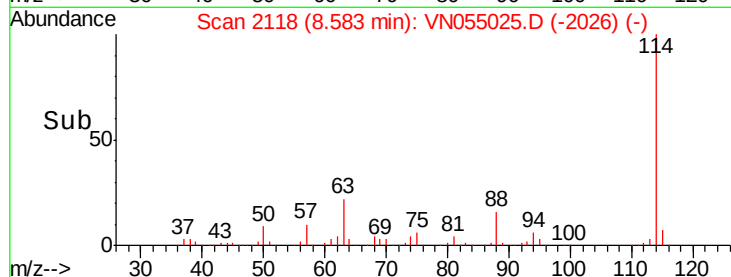
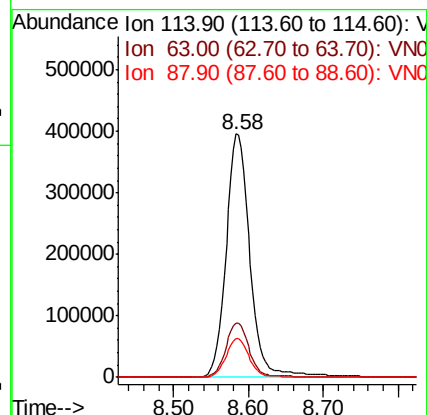
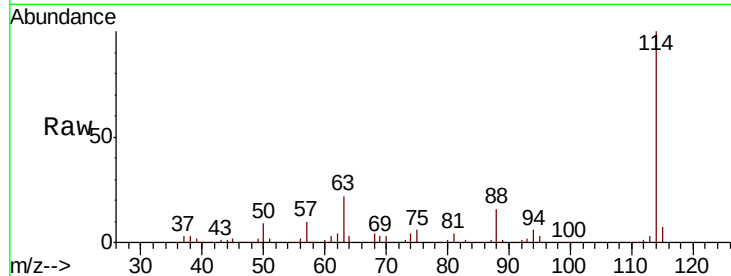




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

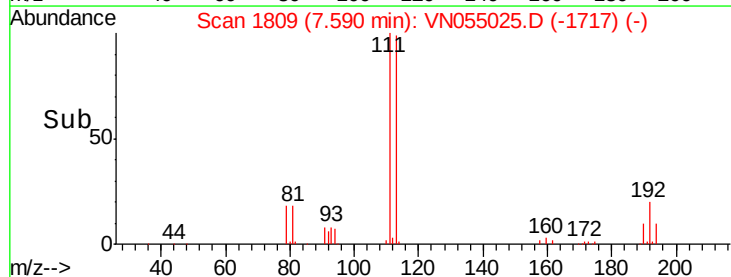
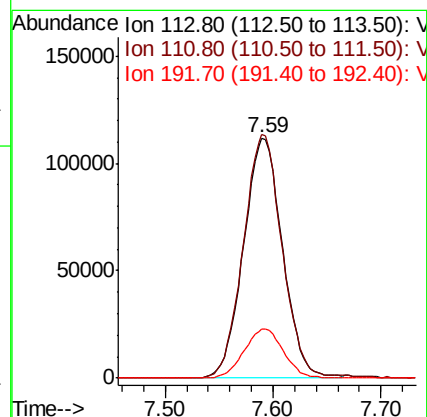
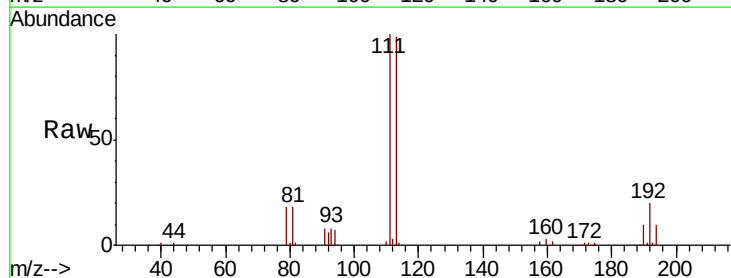
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

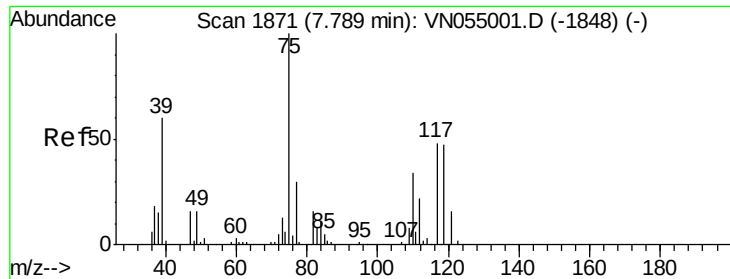
Tot Ion:114 Resp: 868273
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.2
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.731 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

Tgt Ion:113 Resp: 280797
Ion Ratio Lower Upper
113 100
111 100.6 82.1 123.1
192 20.6 16.5 24.7





#36

1,1-Dichloropropene

Concen: 5.185 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

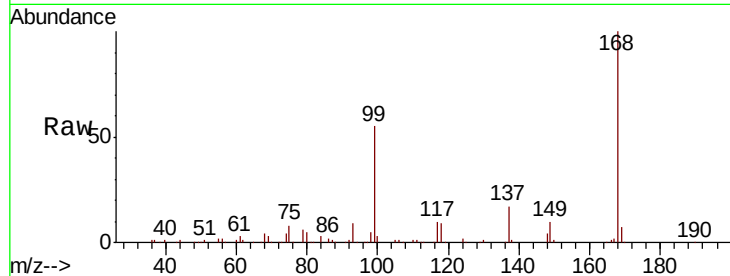
Tot Ion: 75 Resp: 41608

Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

77 0.0 24.9 37.3#

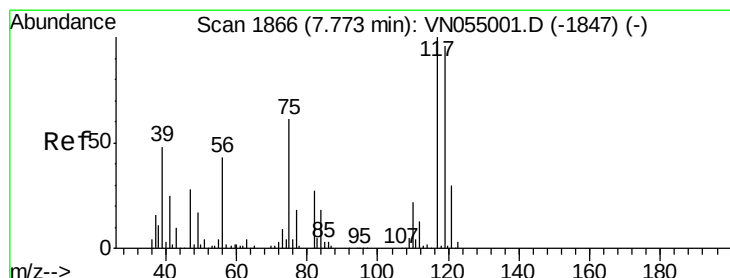
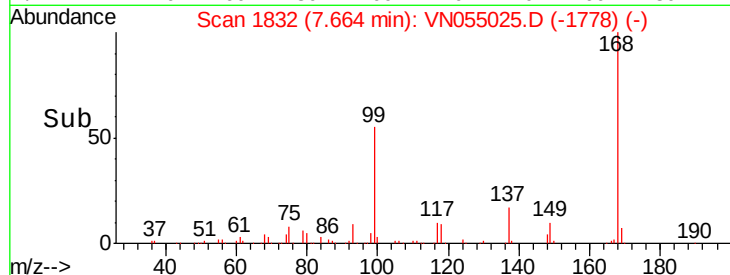


Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN055001.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN055001.D (-1848) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.858 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

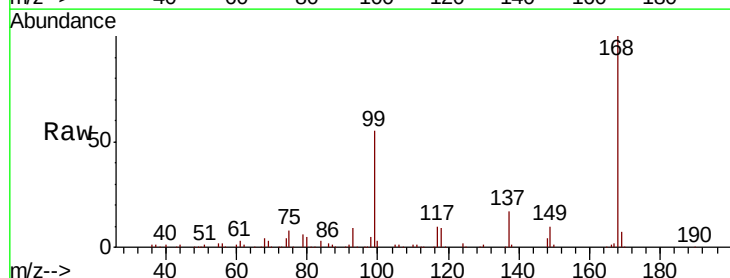
Tgt Ion: 117 Resp: 51802

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

121 0.0 23.9 35.9#

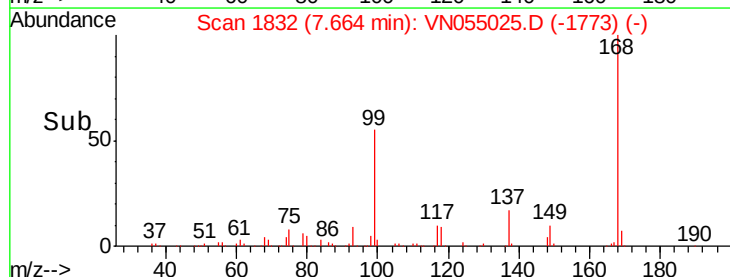


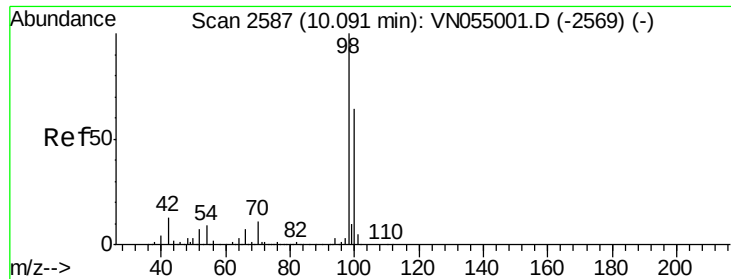
Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055001.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055001.D (-1847) (-)

Time-->





#50

Toluene-d8

Concen: 51.131 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

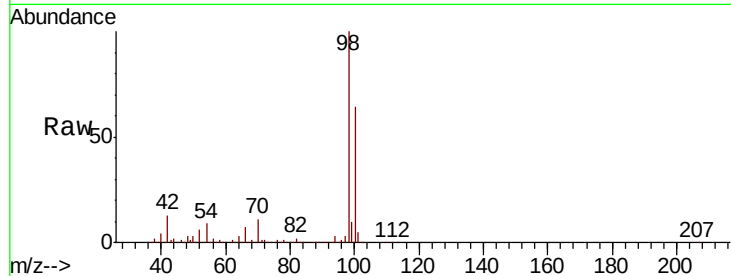
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 1039453

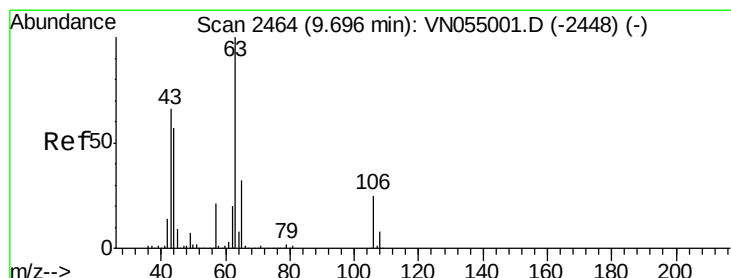
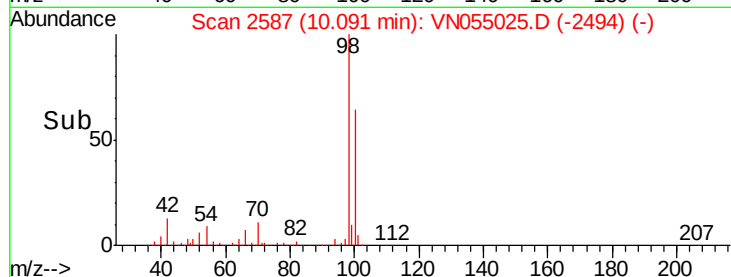
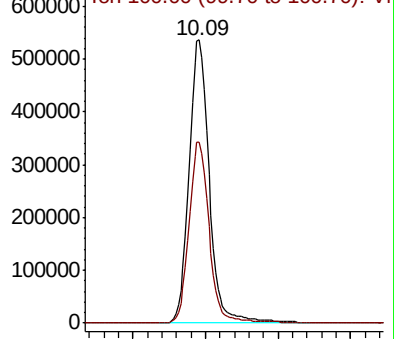
Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 18.212 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.20 min

Lab File: VN055025.D

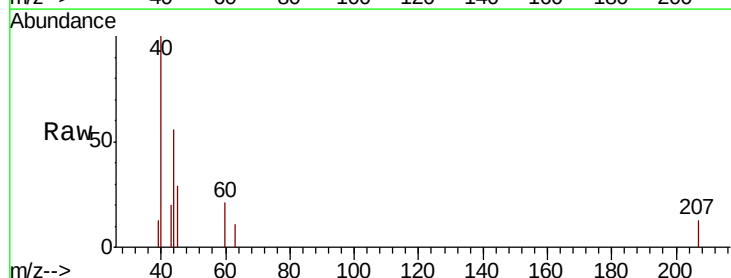
Acq: 13 Apr 2019 13:15

Tgt Ion: 63 Resp: 30

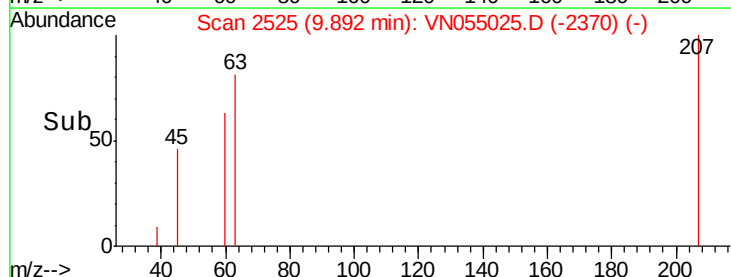
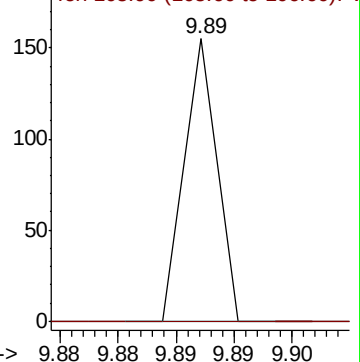
Ion Ratio Lower Upper

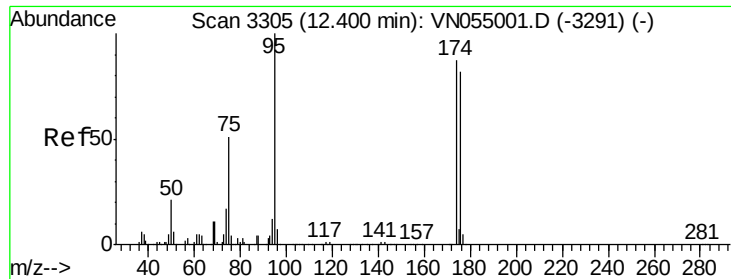
63 100

106 0.0 20.0 30.0#



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-2448) (-)





#62

4-Bromofluorobenzene

Concen: 44.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

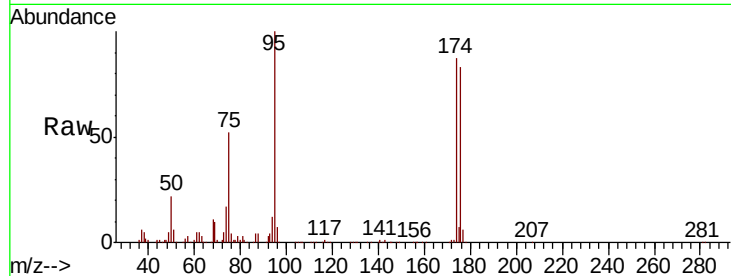
Tot Ion: 95 Resp: 305188

Ion Ratio Lower Upper

95 100

174 86.4 0.0 174.4

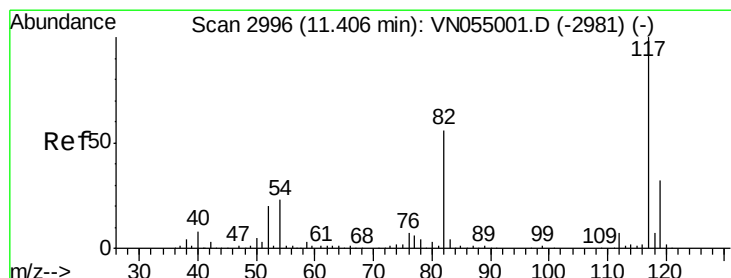
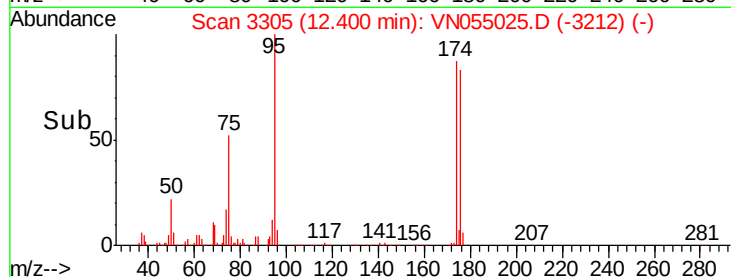
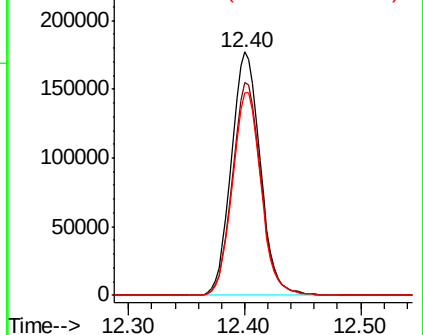
176 82.7 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055001.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055001.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055001.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

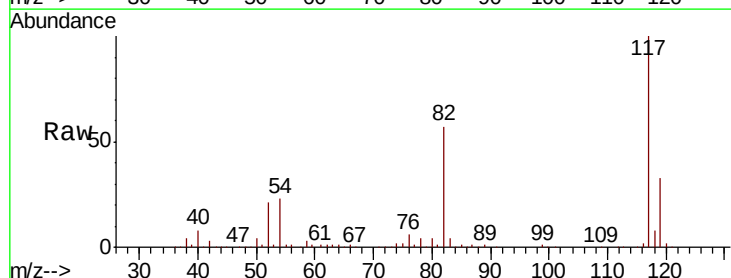
Tgt Ion: 117 Resp: 732563

Ion Ratio Lower Upper

117 100

82 56.9 44.6 66.8

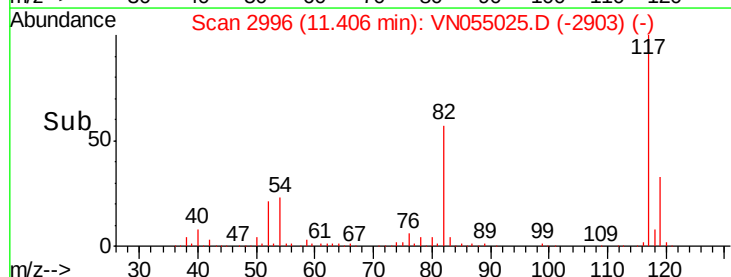
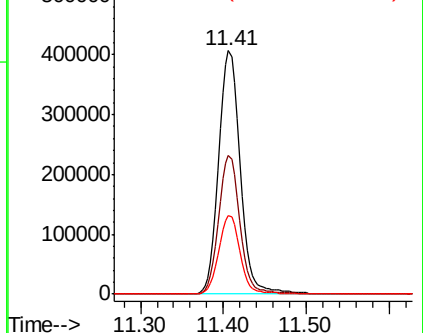
119 32.5 25.5 38.3

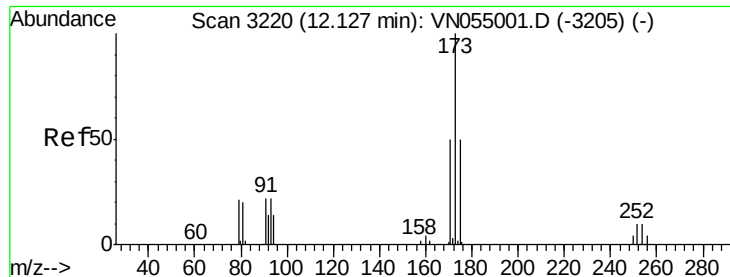


Abundance Ion 116.90 (116.60 to 117.60): VN055001.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055001.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055001.D (-2981) (-)





#71

Bromoform

Concen: 3.242 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

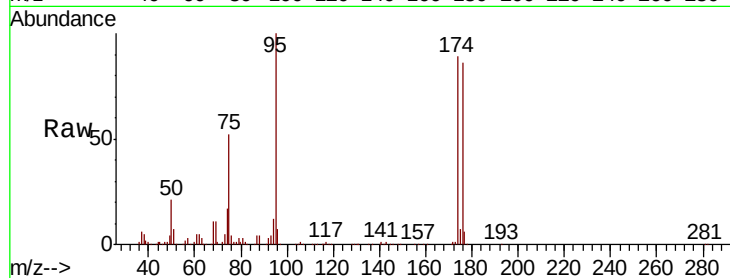
Tot Ion:173 Resp: 2473

Ion Ratio Lower Upper

173 100

175 713.0 24.3 73.0#

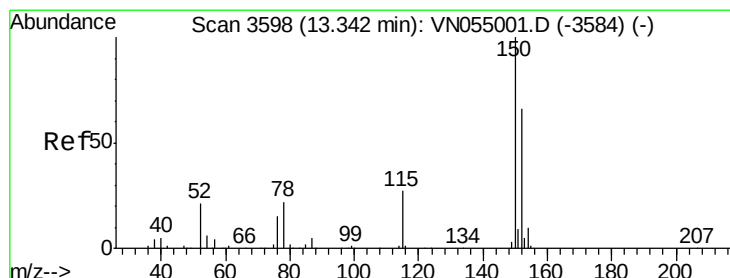
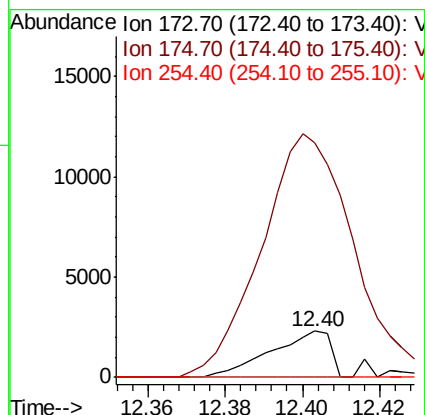
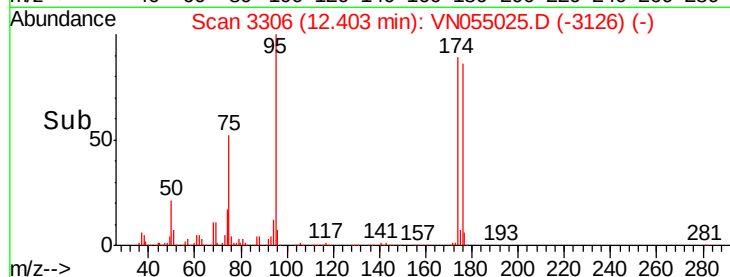
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

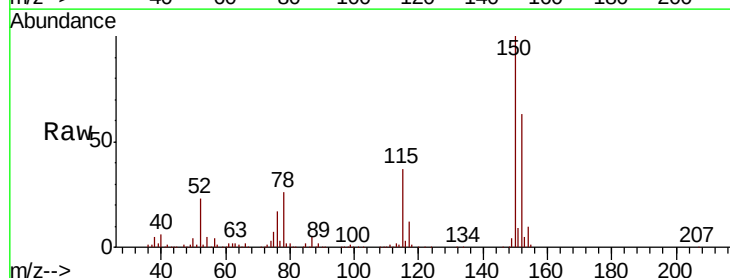
Tgt Ion:152 Resp: 230726

Ion Ratio Lower Upper

152 100

115 57.9 28.5 85.6

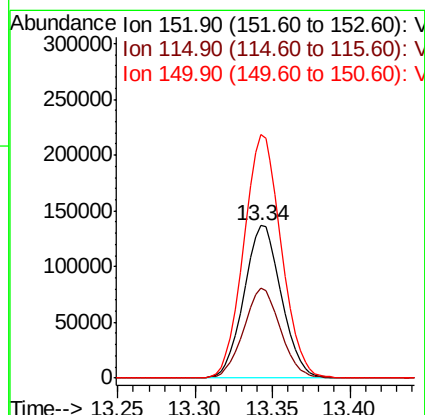
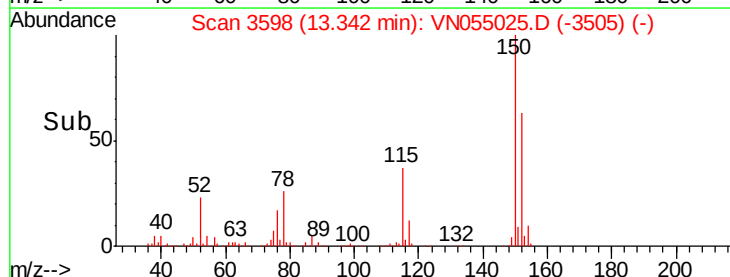
150 159.8 0.0 347.2

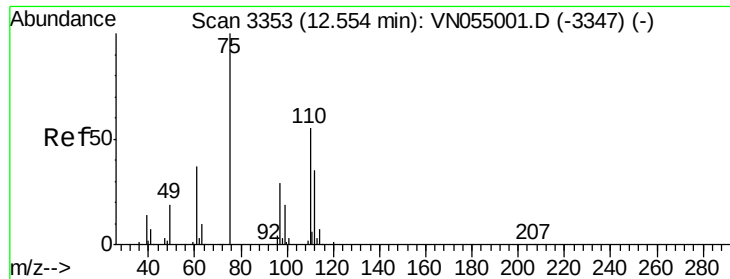


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

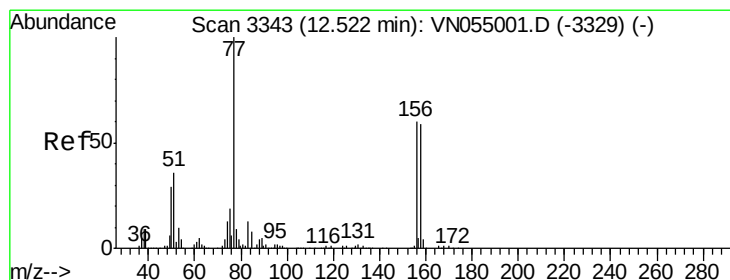
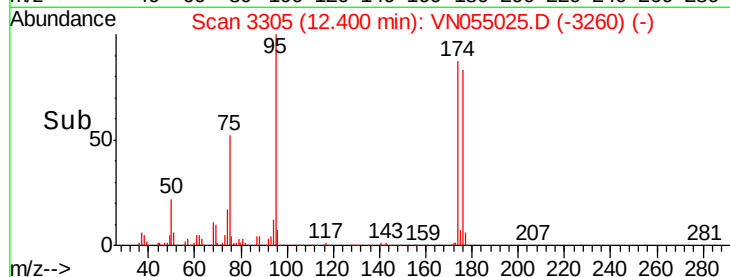
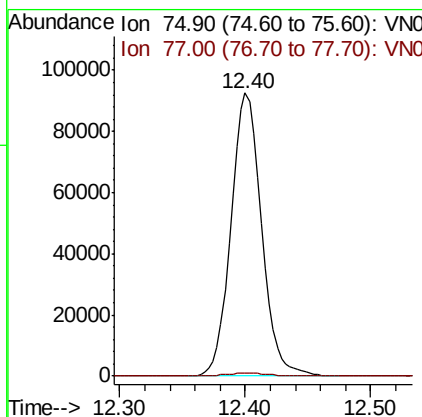
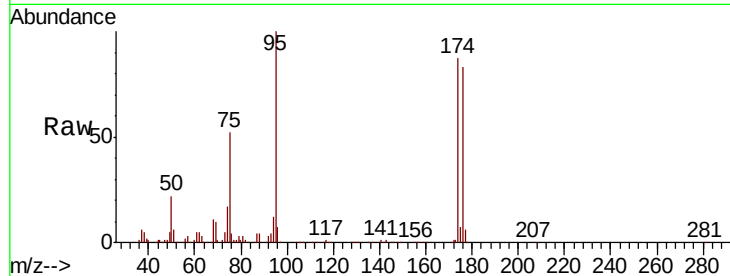




#76
1,2,3-Trichloropropane
Concen: 36.970 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

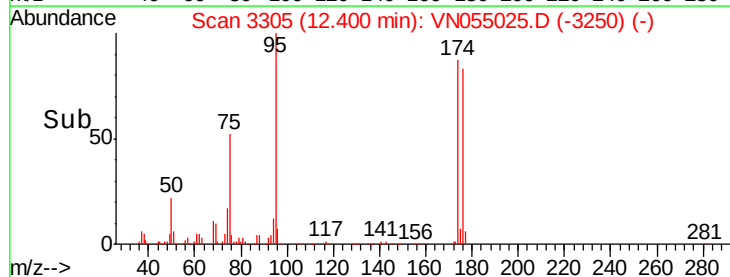
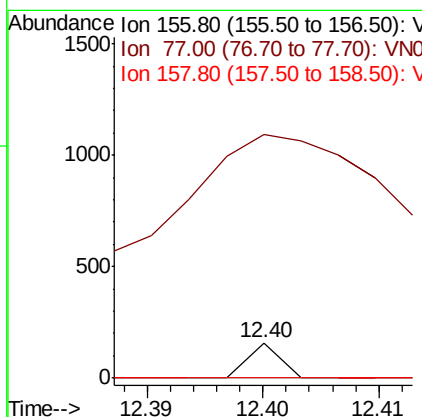
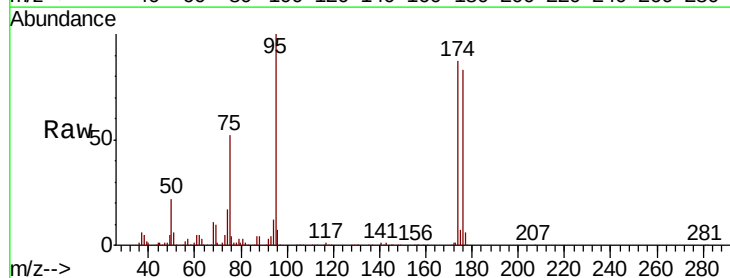
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

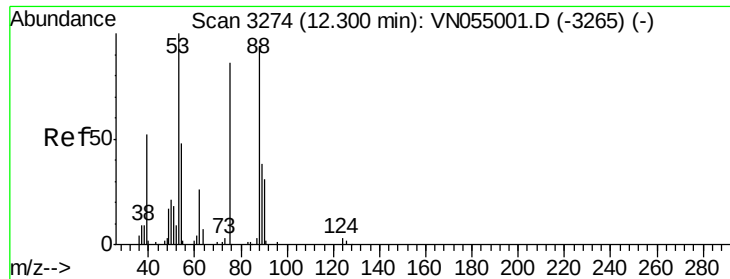
Tot Ion: 75 Resp: 156929
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#77
Bromobenzene
Concen: Below Cal
RT: 12.40 min Scan# 3305
Delta R.T. -0.12 min
Lab File: VN055025.D
Acq: 13 Apr 2019 13:15

Tgt Ion: 156 Resp: 30
Ion Ratio Lower Upper
156 100
77 7170.0 97.2 291.5#
158 0.0 48.6 145.9#

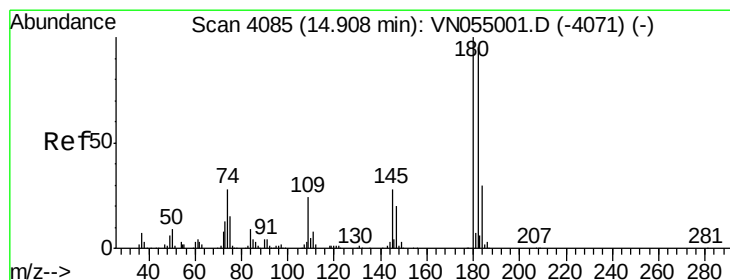
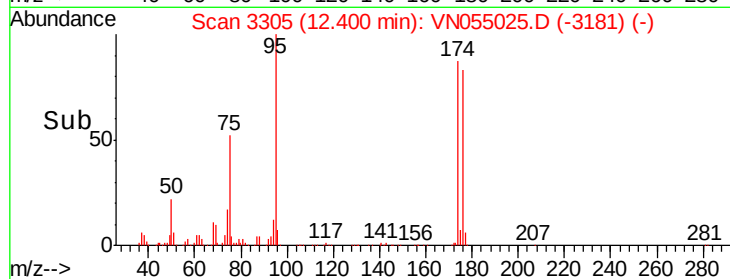
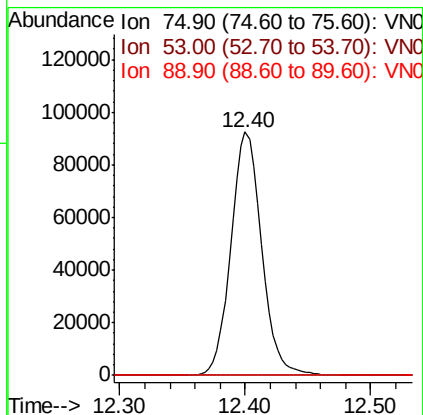
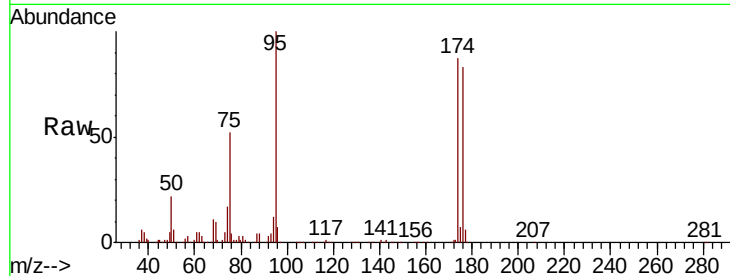




#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.592 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055025.D
 Acq: 13 Apr 2019 13:15

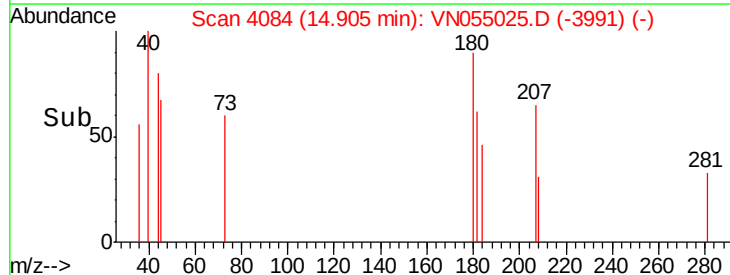
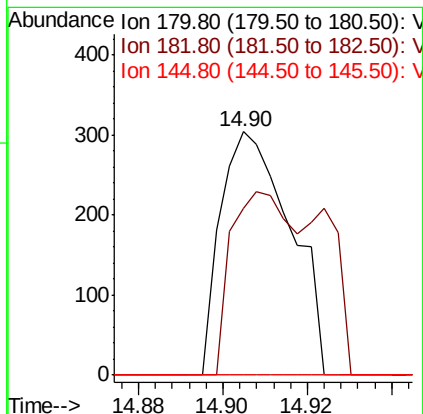
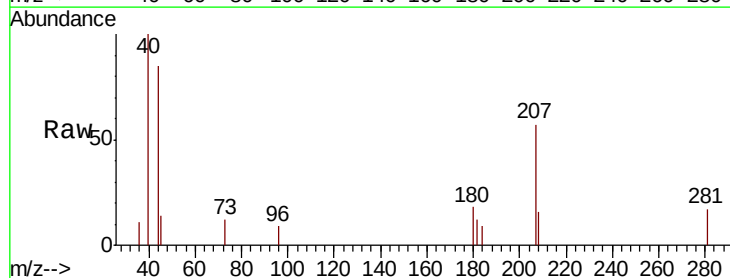
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

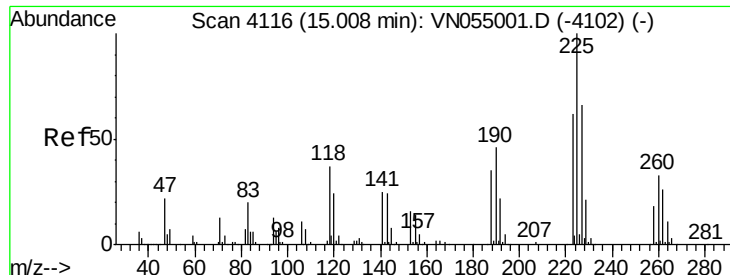
Tot Ion: 75 Resp: 156929
 Ion Ratio Lower Upper
 75 100
 53 0.0 96.3 144.5#
 89 0.0 38.6 57.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.617 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN055025.D
 Acq: 13 Apr 2019 13:15

Tgt Ion: 180 Resp: 349
 Ion Ratio Lower Upper
 180 100
 182 67.0 47.5 142.6
 145 0.0 14.2 42.8#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

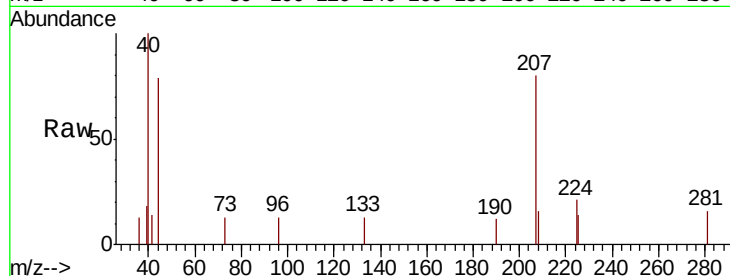
Tot Ion:225 Resp: 263

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.0#

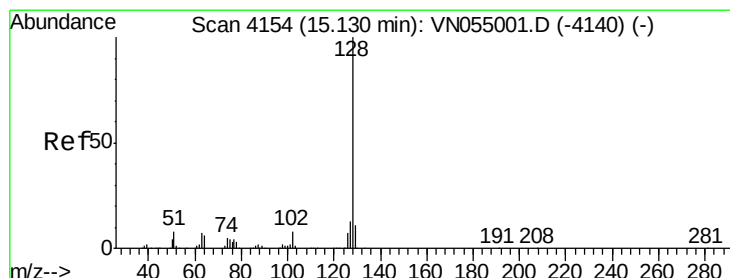
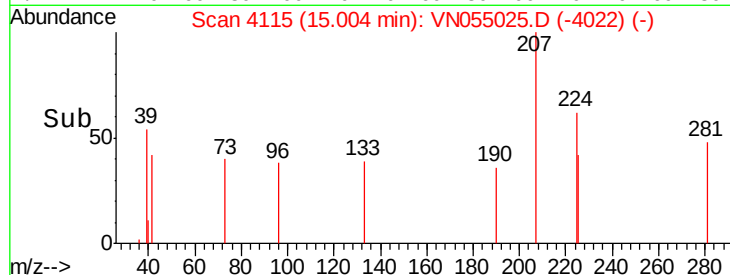
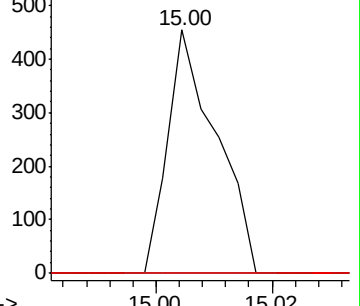
227 0.0 32.6 97.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.747 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055025.D

Acq: 13 Apr 2019 13:15

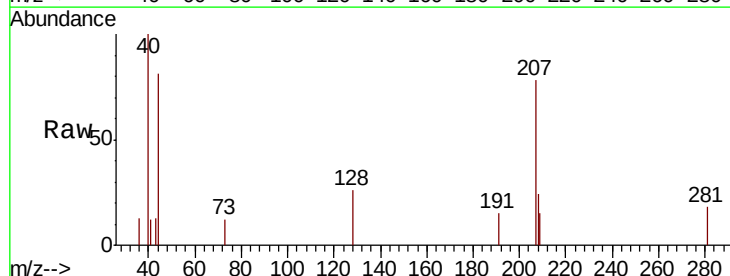
Tgt Ion:128 Resp: 697

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

