

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055798.D
 Acq On : 24 May 2019 16:08
 Operator : JC/SP
 Sample : K3042-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: May 25 04:28:25 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

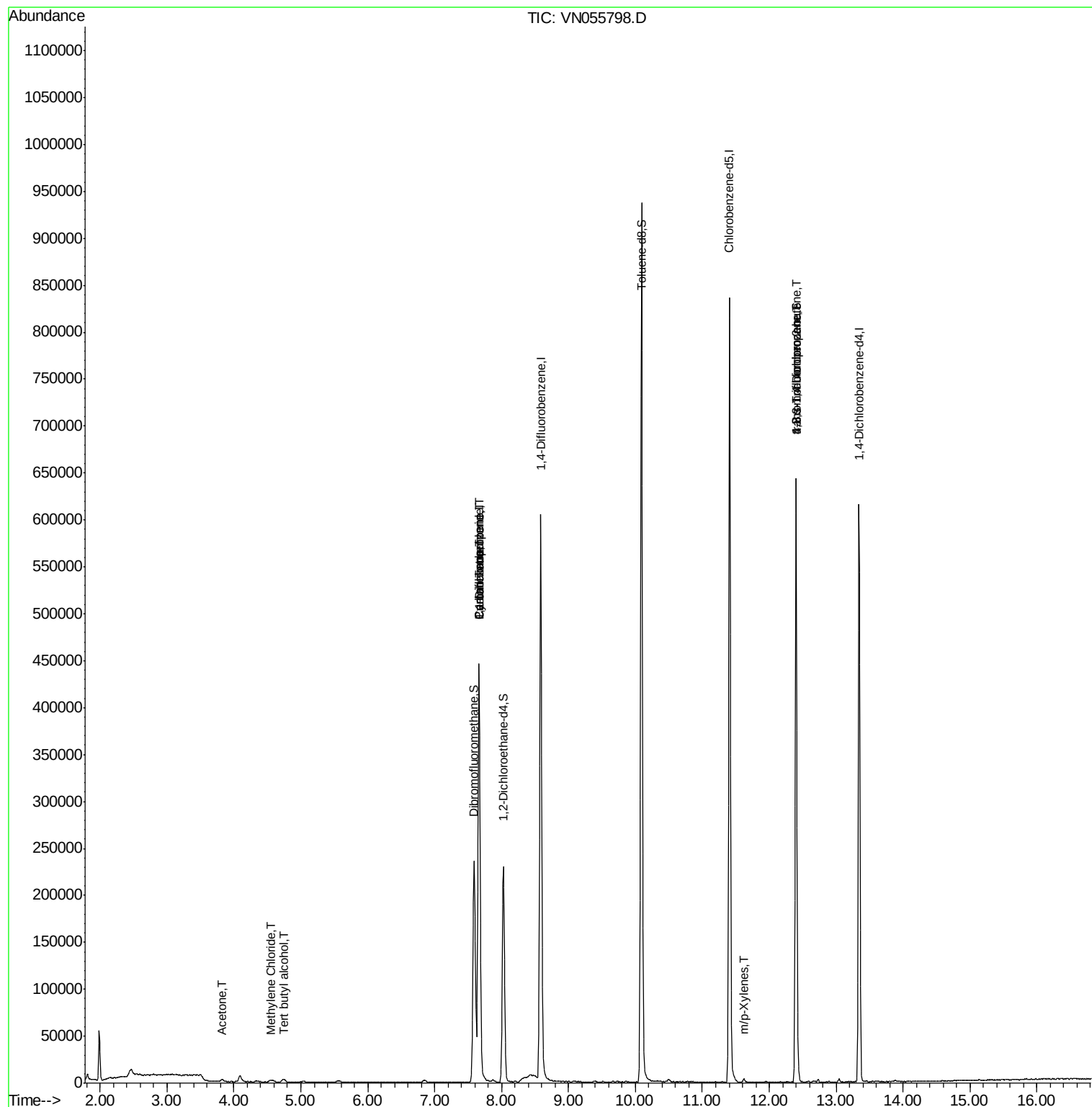
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	420950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	596156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185784	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	195434	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
35) Dibromofluoromethane	7.59	113	179278	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	10.09	98	704862	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	226336	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	2902	3.494	ug/l #	74
16) Acetone	3.82	43	4514	2.362	ug/l #	83
18) Methyl Acetate	4.34	43	2907	Below Cal	#	70
20) Methylene Chloride	4.55	84	894	0.216	ug/l	91
31) Cyclohexane	7.66	56	6648	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	23997	4.619	ug/l #	48
38) Carbon Tetrachloride	7.66	117	34533	6.381	ug/l #	15
68) m/p-Xylenes	11.62	106	1732	0.238	ug/l	90
73) Isopropylbenzene	12.25	105	508	Below Cal	#	48
74) N-amyl acetate	12.08	43	263	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	104081	31.362	ug/l #	100
79) 2-Chlorotoluene	12.67	91	129	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	891	Below Cal		68
81) trans-1,4-Dichloro-2-buten	12.40	75	104081	75.377	ug/l #	15
83) tert-Butylbenzene	13.04	119	265	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	13.04	105	2930	Below Cal		100
85) sec-Butylbenzene	13.17	105	91	Below Cal	#	55

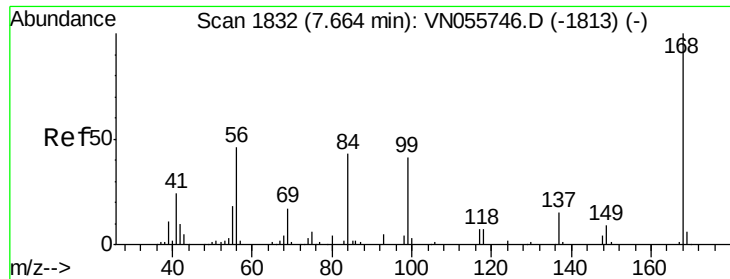
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055798.D

Acq: 24 May 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

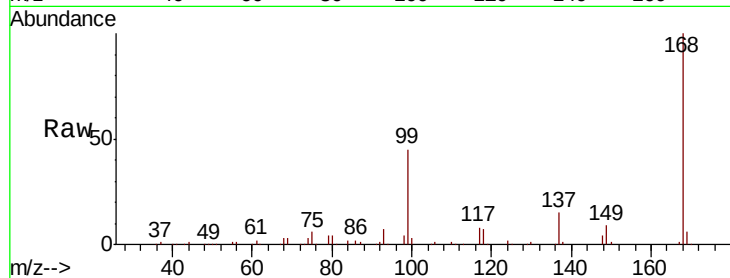
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 420950

Ion Ratio Lower Upper

168 100

99 45.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

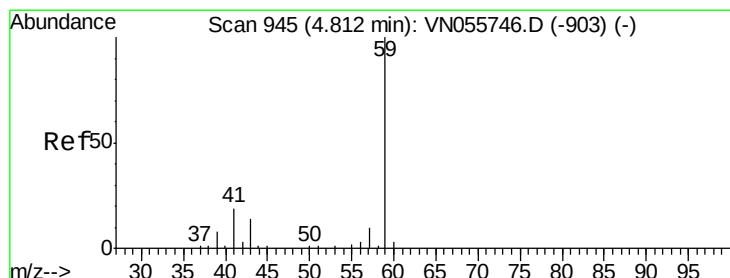
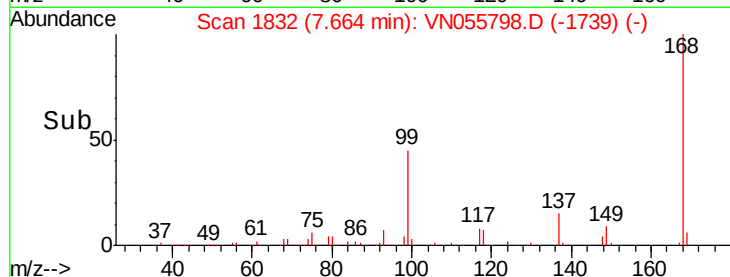
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.494 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.08 min

Lab File: VN055798.D

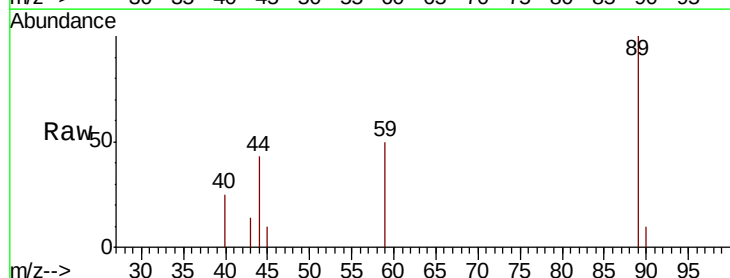
Acq: 24 May 2019 16:08

Tgt Ion: 59 Resp: 2902

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

1000

800

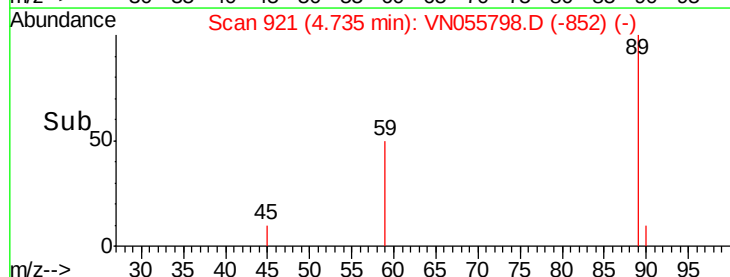
600

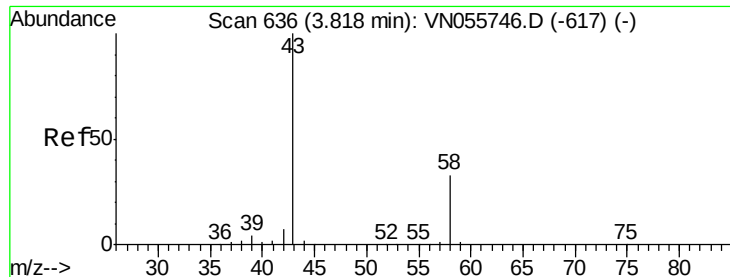
400

200

0

Time-->





#16

Acetone

Concen: 2.362 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055798.D

Acq: 24 May 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

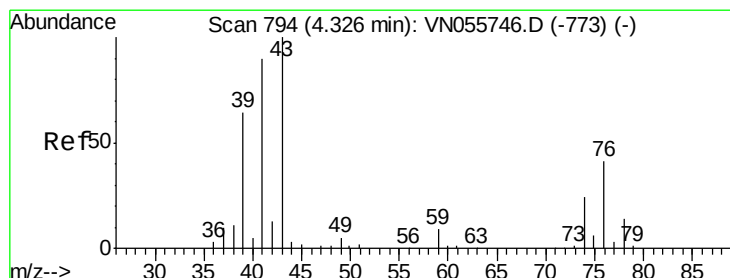
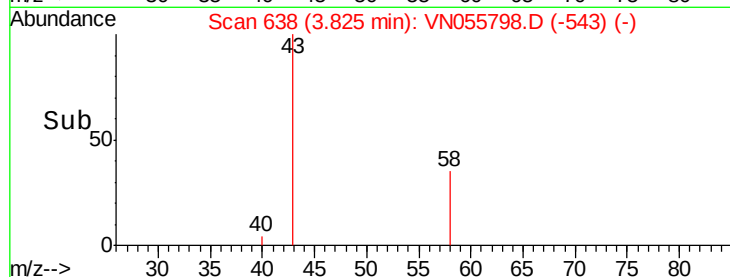
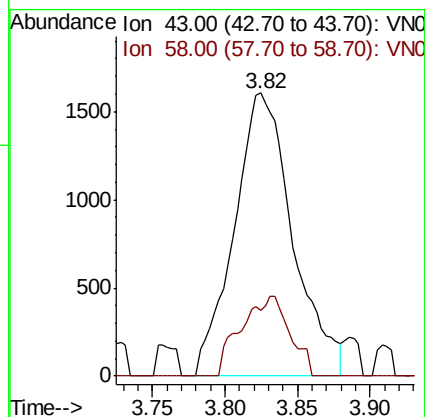
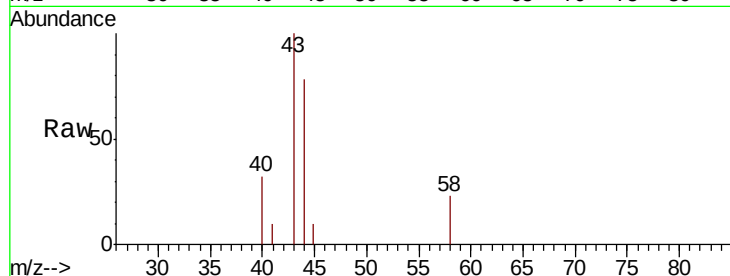
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 4514

Ion Ratio Lower Upper

43 100

58 23.4 26.6 39.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055798.D

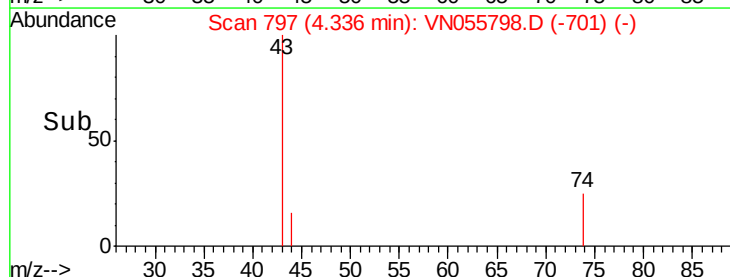
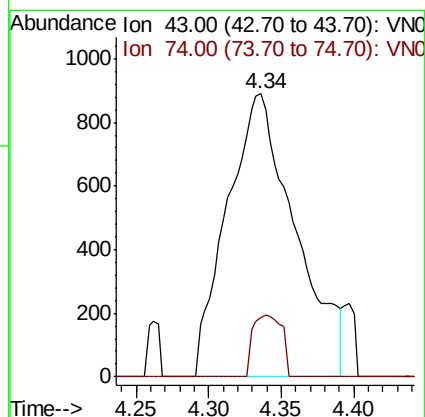
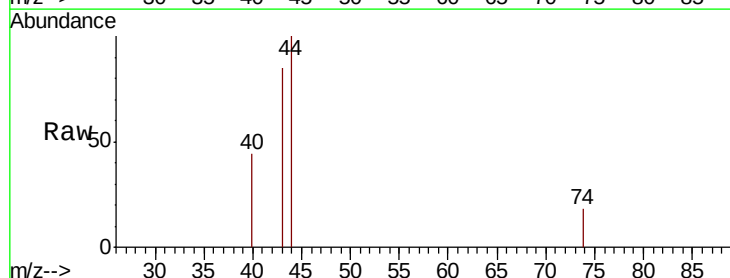
Acq: 24 May 2019 16:08

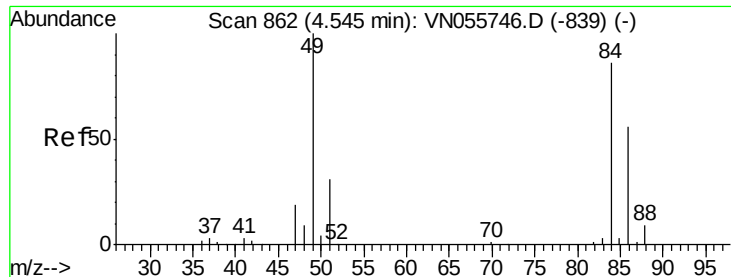
Tgt Ion: 43 Resp: 2907

Ion Ratio Lower Upper

43 100

74 9.3 19.3 28.9#

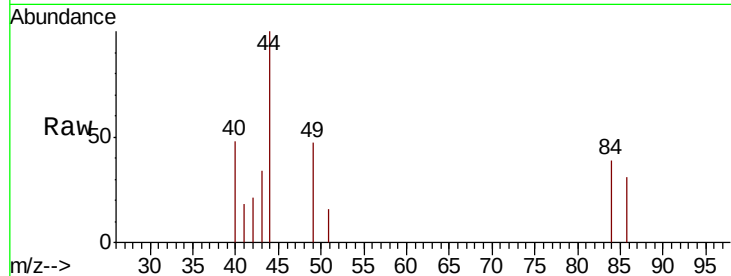




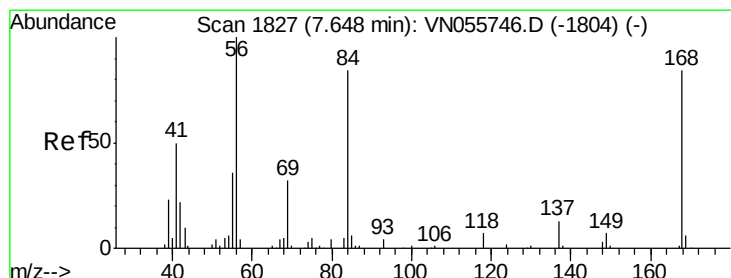
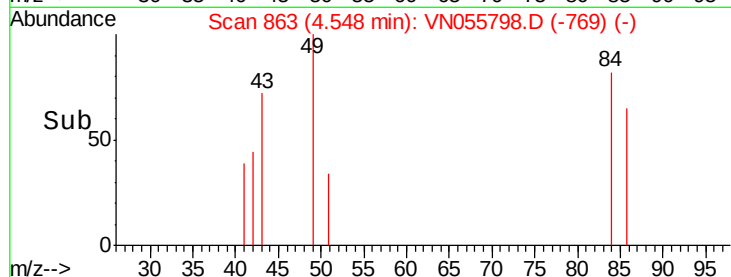
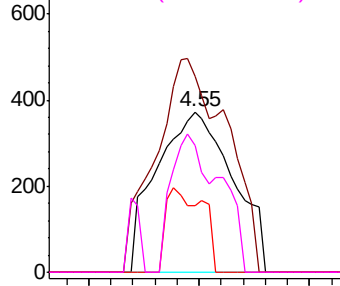
#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion: 84 Resp: 894
Ion Ratio Lower Upper
84 100
49 121.7 93.5 140.3
51 41.3 28.6 43.0
86 78.8 52.6 79.0

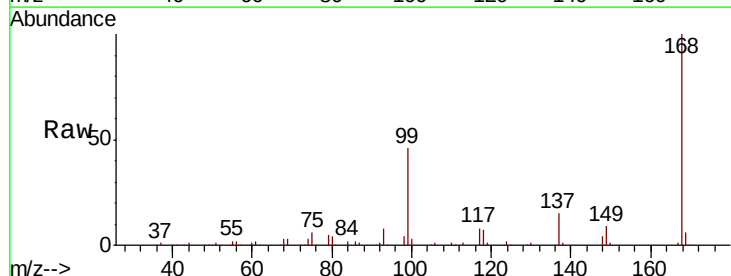


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

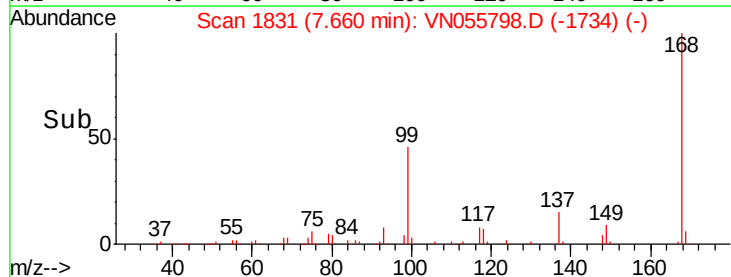
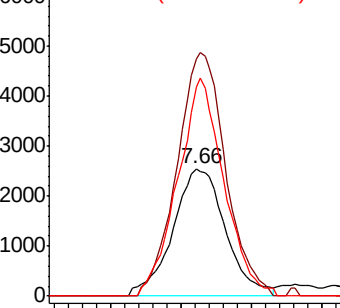


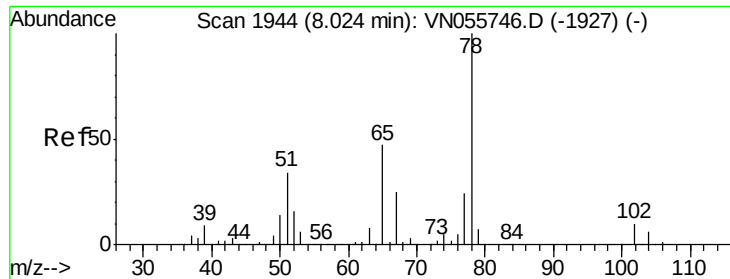
#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

Tgt Ion: 56 Resp: 6648
Ion Ratio Lower Upper
56 100
69 185.6 25.6 38.4#
84 163.9 67.4 101.0#



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

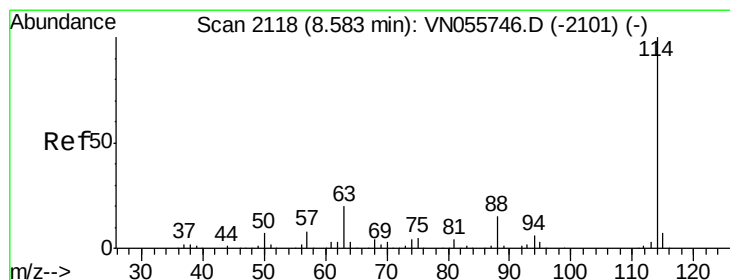
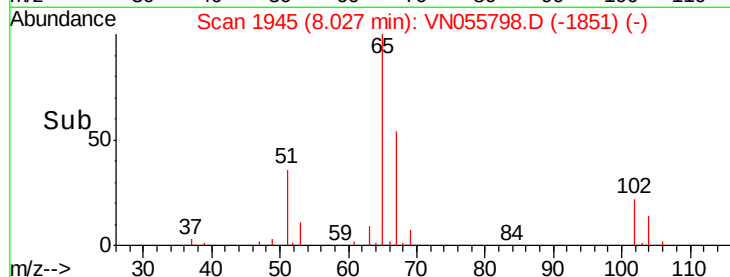
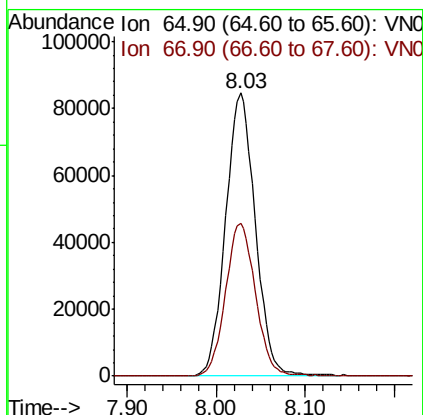
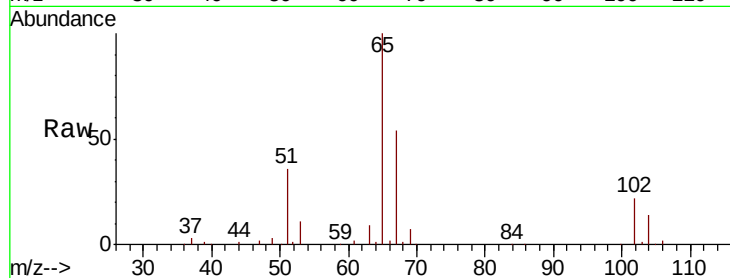




#33
 1,2-Dichloroethane-d4
 Concen: 44.956 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

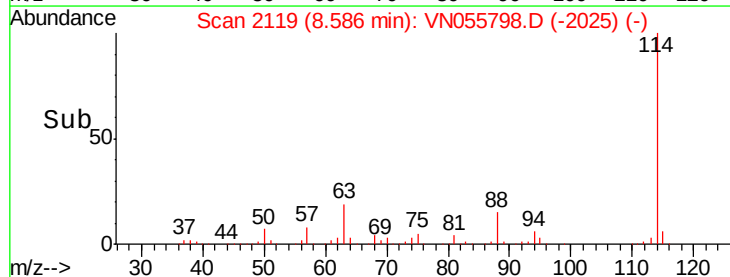
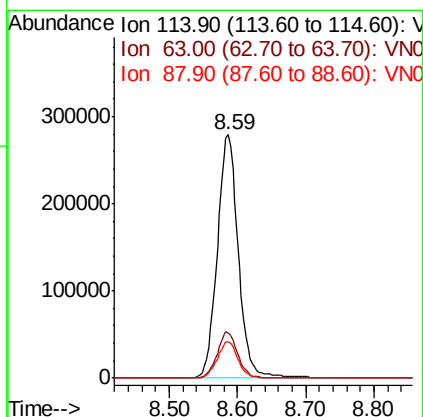
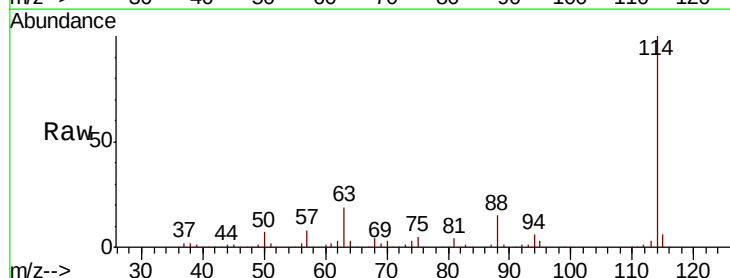
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

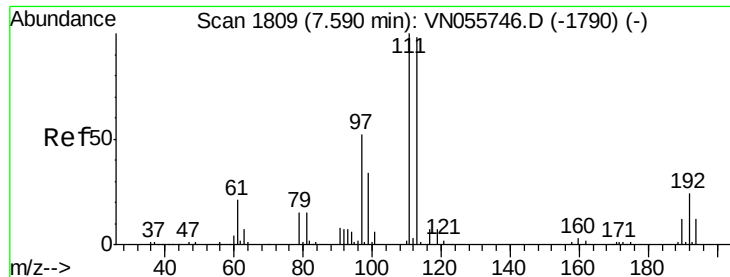
Tot Ion: 65 Resp: 195434
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

Tgt Ion: 114 Resp: 596156
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 14.8 0.0 31.0

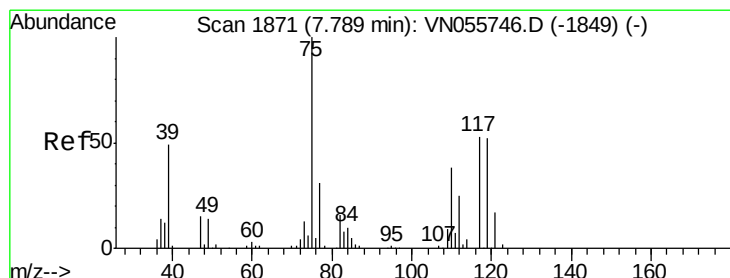
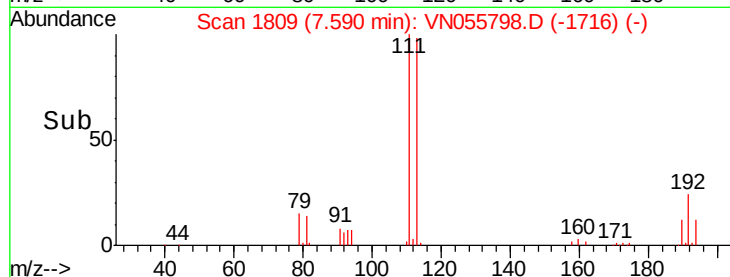
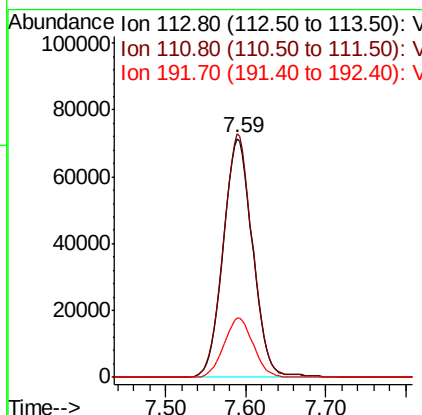
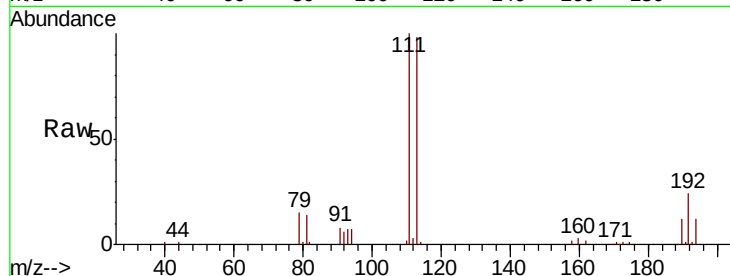




#35
 Dibromofluoromethane
 Concen: 47.565 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

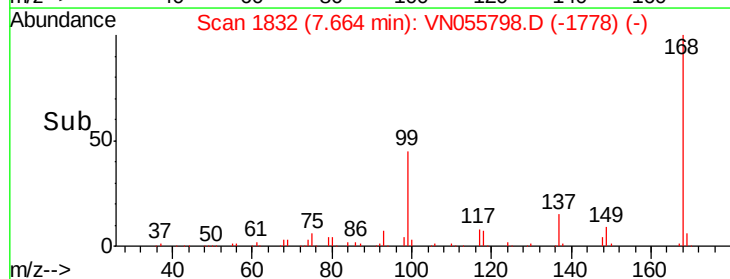
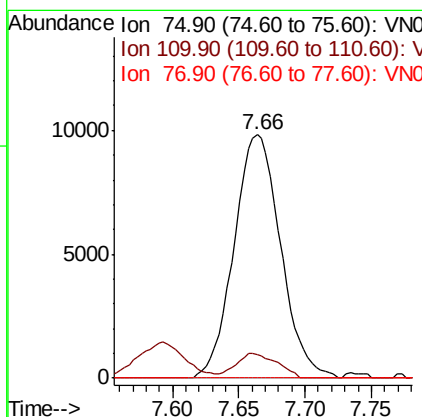
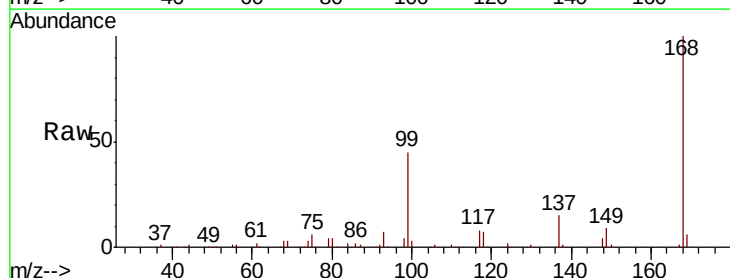
Instrument :
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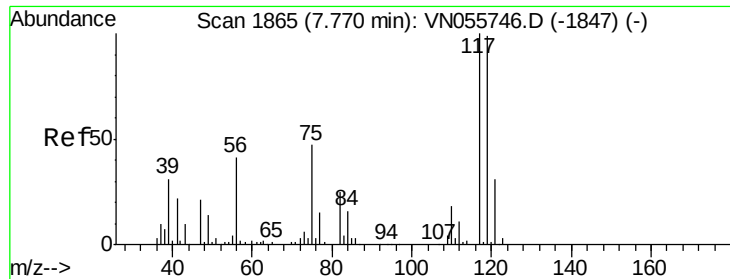
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	24.6	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.619 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.0	57.0#
77	0.0	25.1	37.7#

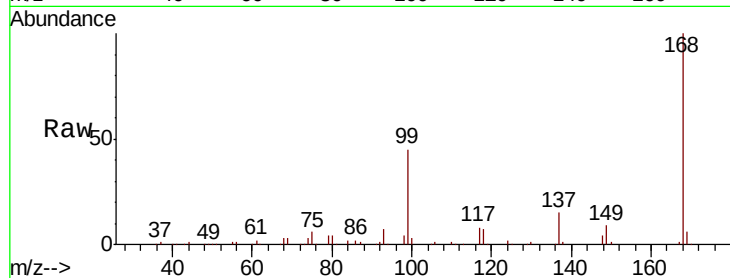




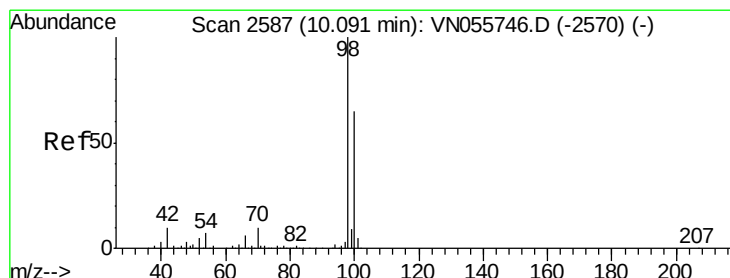
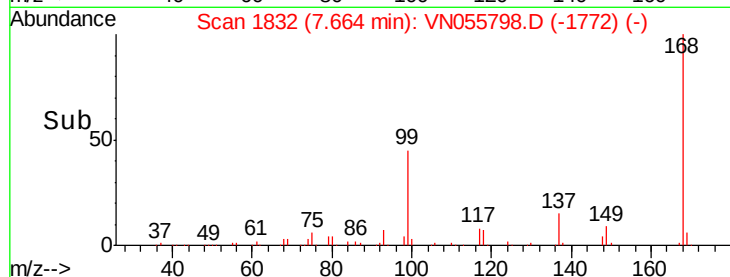
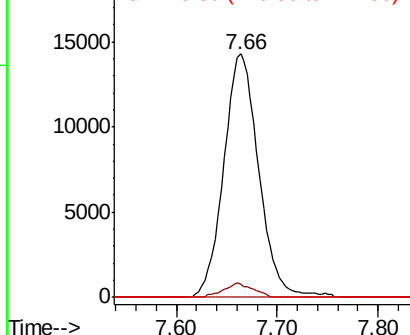
#38
Carbon Tetrachloride
Concen: 6.381 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 34533
Ion Ratio Lower Upper
117 100
119 5.4 79.0 118.6#
121 0.0 24.7 37.1#

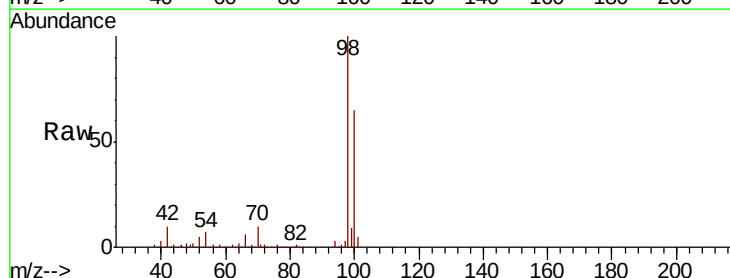


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

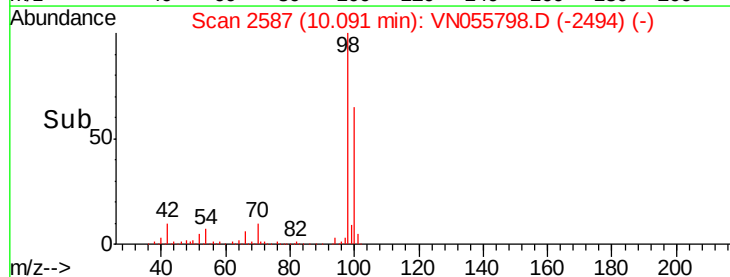
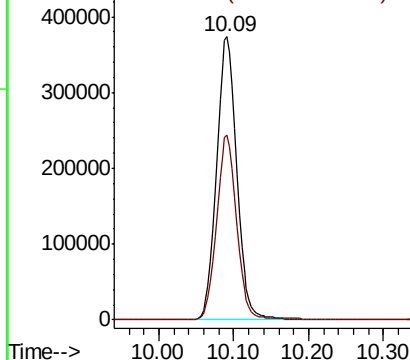


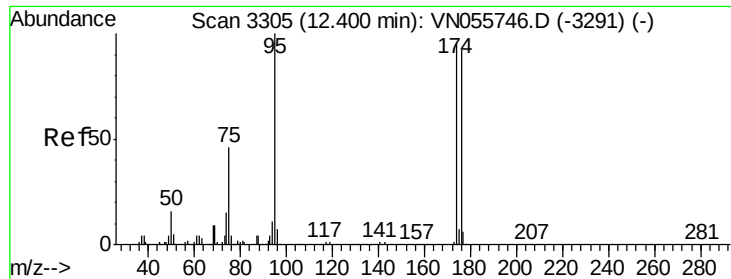
#50
Toluene-d8
Concen: 48.753 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

Tgt Ion: 98 Resp: 704862
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



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

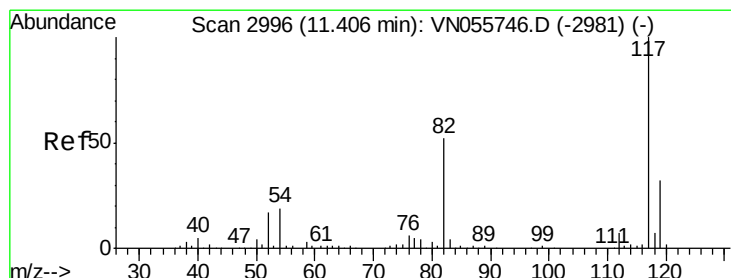
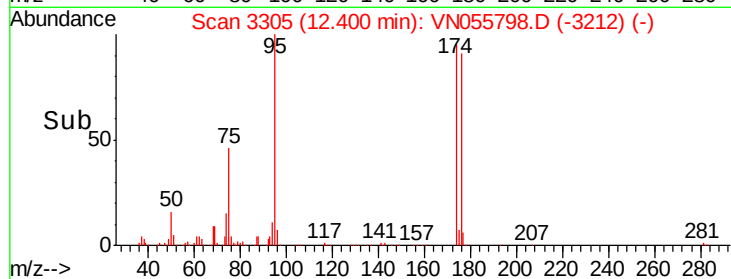
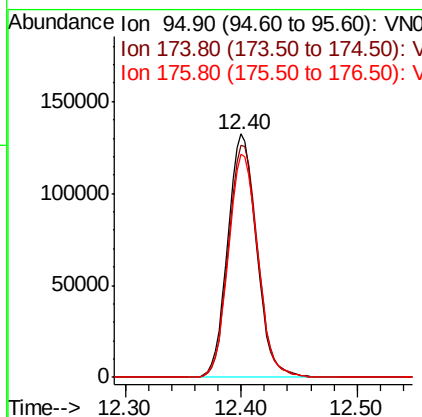
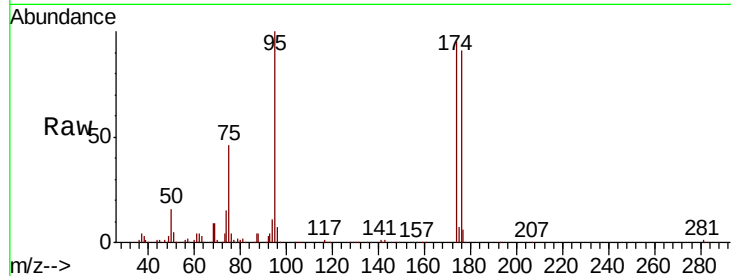




#62
4-Bromofluorobenzene
Concen: 45.656 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

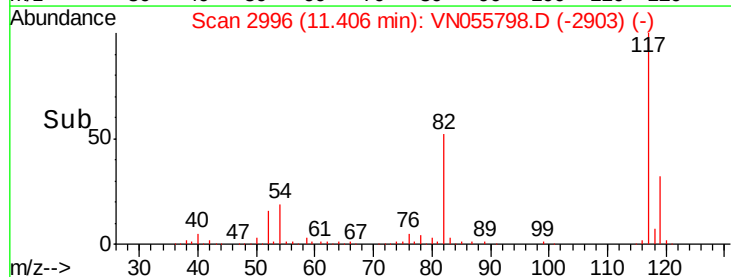
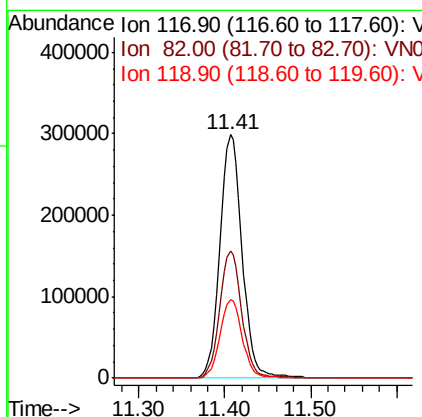
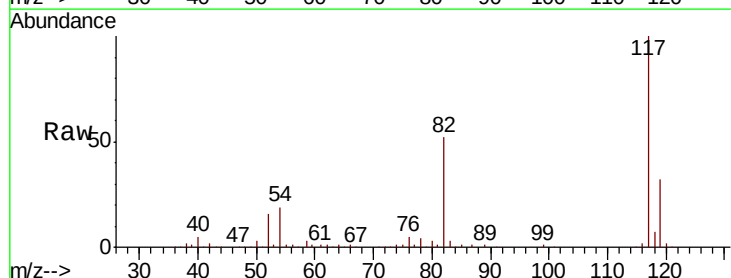
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ClientSampleId :
STORAGE-BLANK-WATER-REF-4

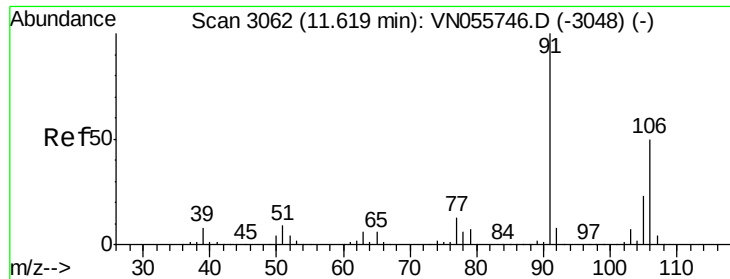
Tot Ion: 95 Resp: 226336
Ion Ratio Lower Upper
95 100
174 97.1 0.0 191.0
176 93.6 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

Tgt Ion: 117 Resp: 537031
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.1 25.4 38.0

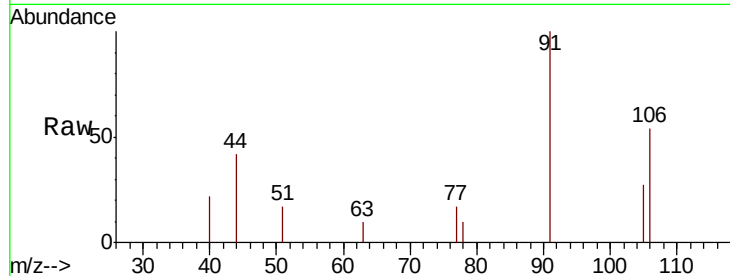




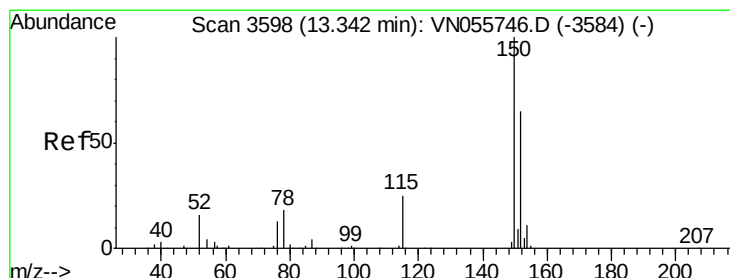
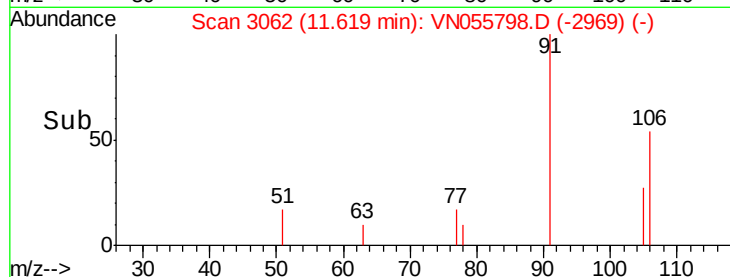
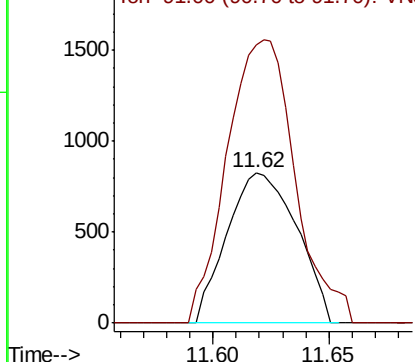
#68
m/p-Xylenes
Concen: 0.238 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:106 Resp: 1732
Ion Ratio Lower Upper
106 100
91 183.3 159.3 238.9

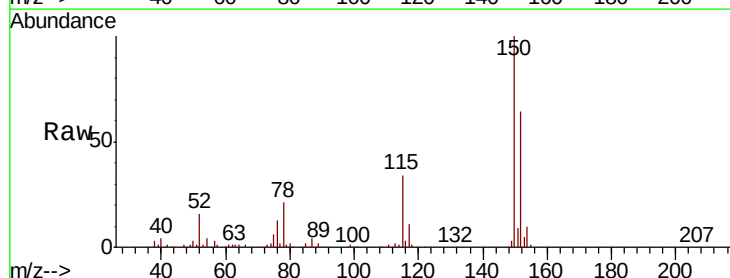


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

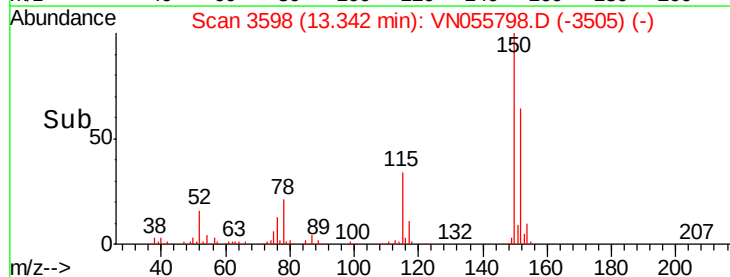
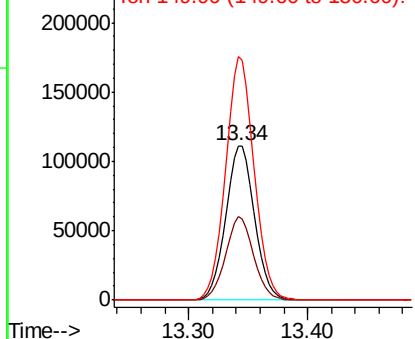


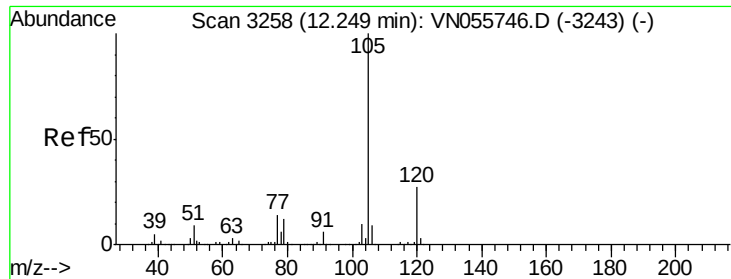
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055798.D
Acq: 24 May 2019 16:08

Tgt Ion:152 Resp: 185784
Ion Ratio Lower Upper
152 100
115 52.6 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# 3257

Delta R.T. -0.00 min

Lab File: VN055798.D

Acq: 24 May 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

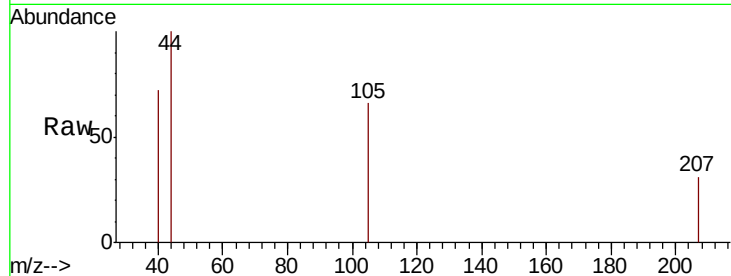
STORAGE-BLANK-WATER-REF-4

Tot Ion: 105 Resp: 508

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

400

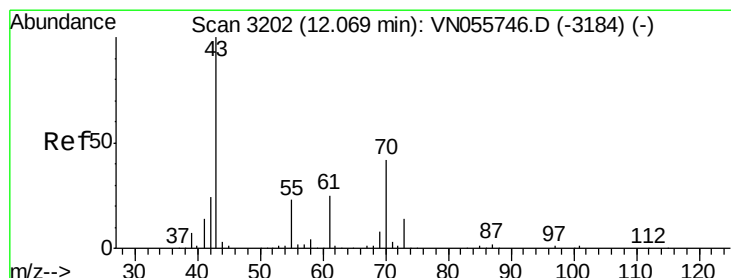
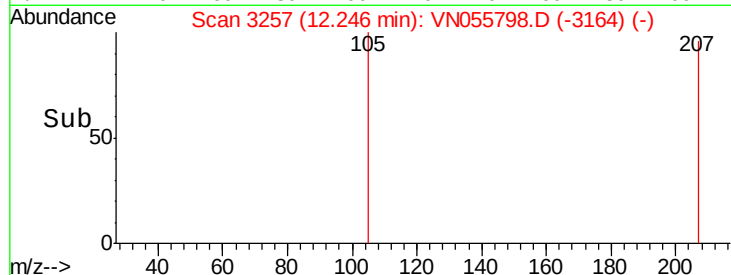
300

200

100

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3207

Delta R.T. 0.02 min

Lab File: VN055798.D

Acq: 24 May 2019 16:08

Tgt Ion: 43 Resp: 263

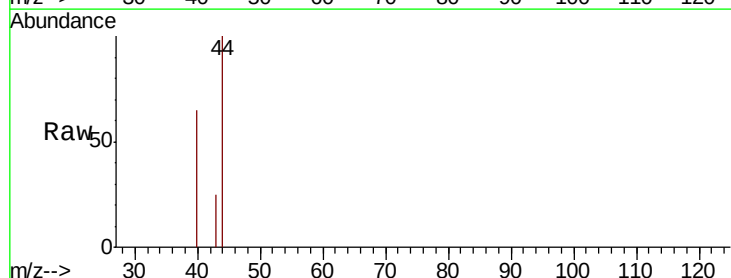
Ion Ratio Lower Upper

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

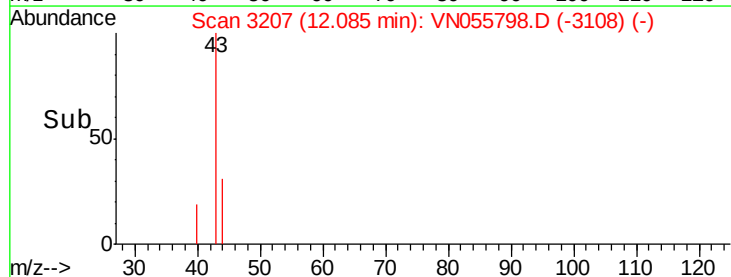
150

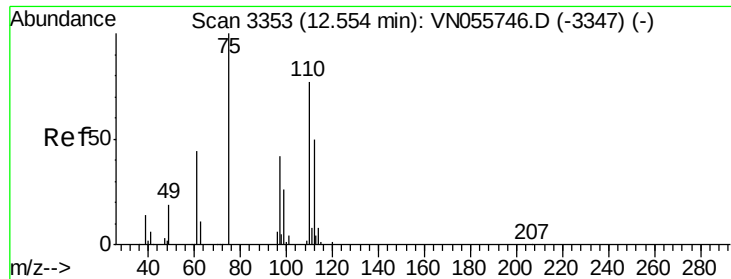
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 31.362 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055798.D

Acq: 24 May 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

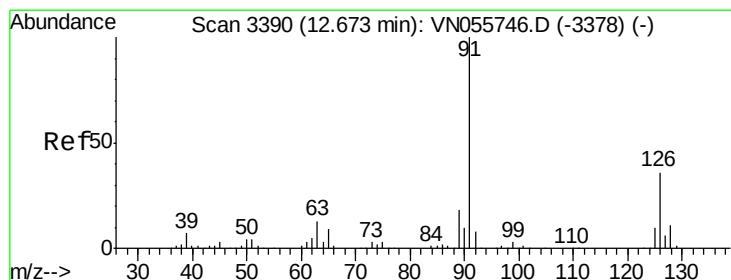
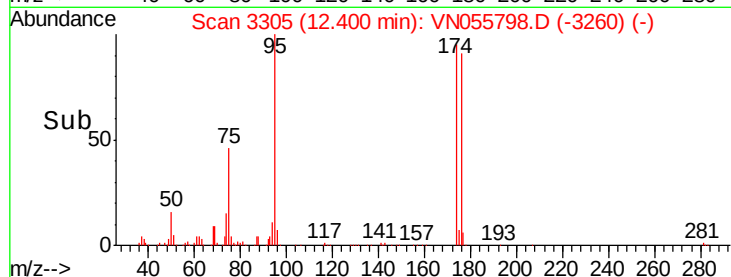
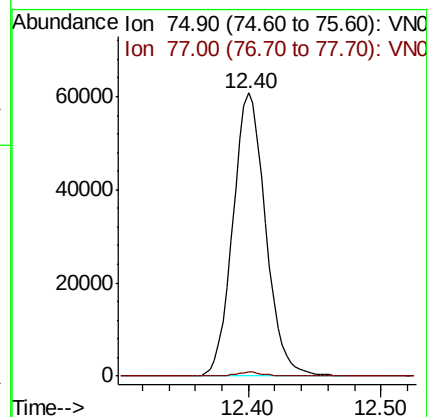
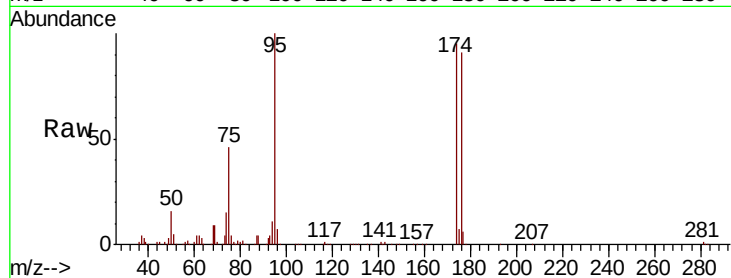
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 104081

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055798.D

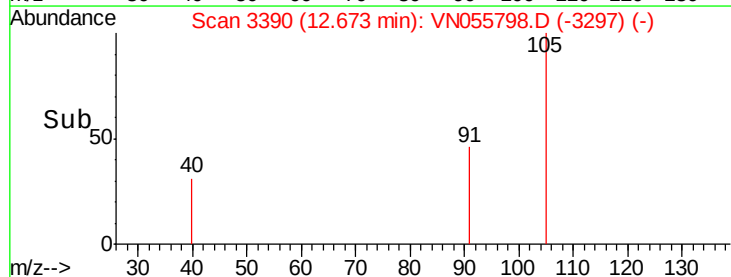
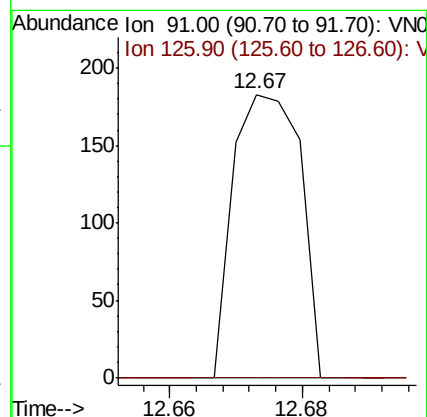
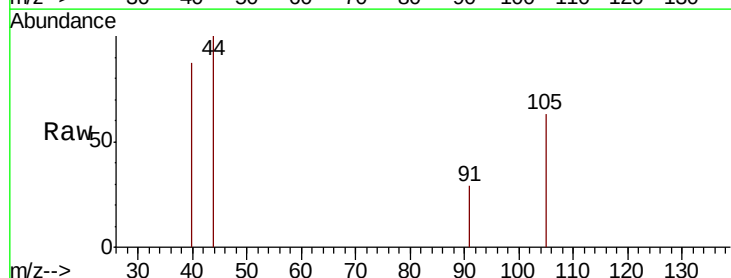
Acq: 24 May 2019 16:08

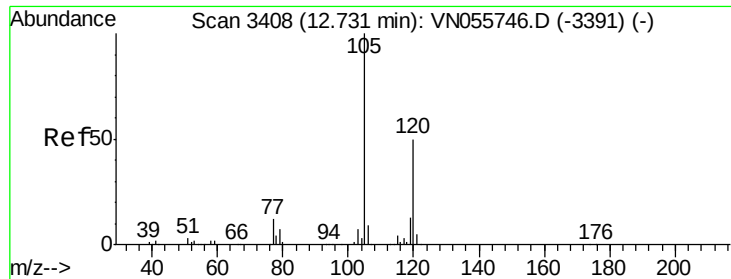
Tgt Ion: 91 Resp: 129

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#

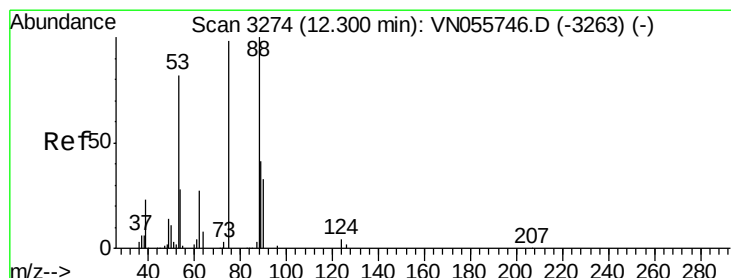
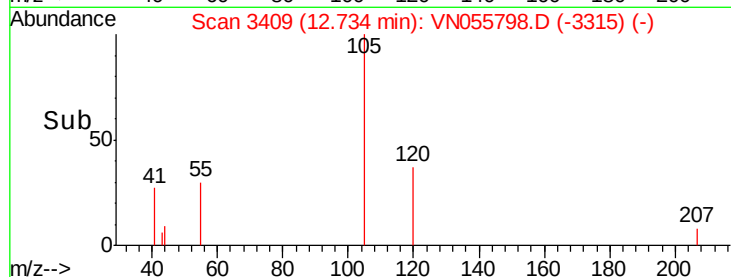
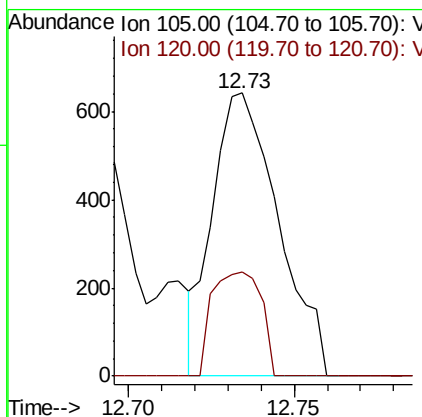
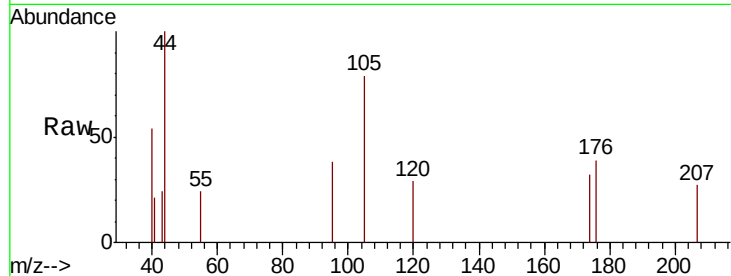




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

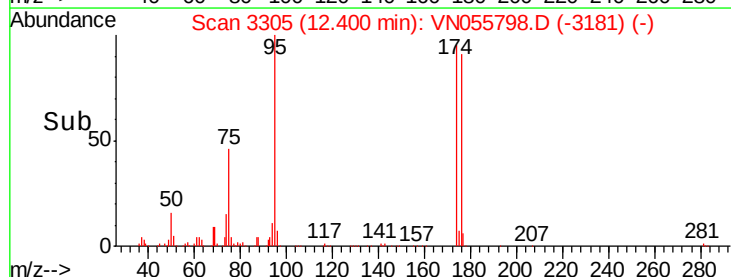
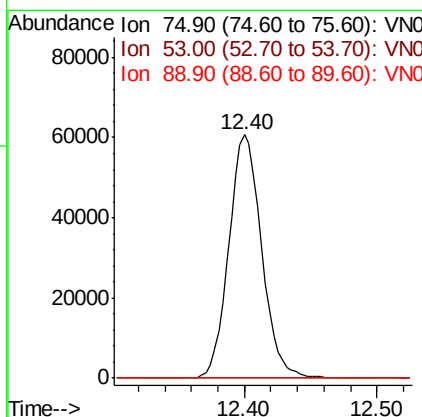
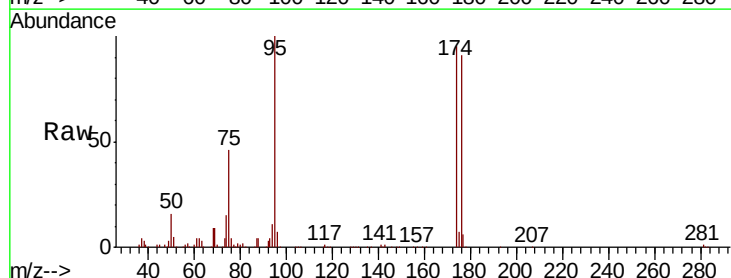
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

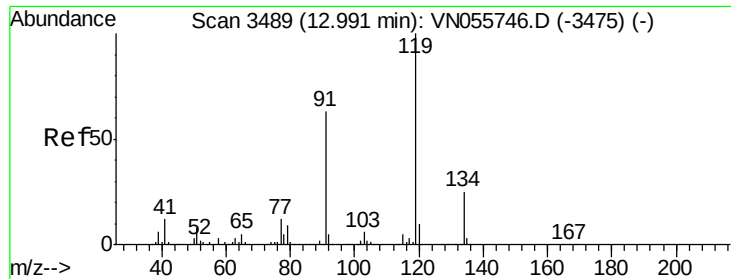
Tot Ion: 105 Resp: 891
 Ion Ratio Lower Upper
 105 100
 120 27.3 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.377 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

Tgt Ion: 75 Resp: 104081
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

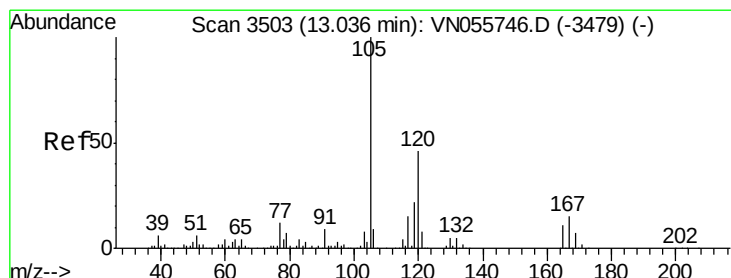
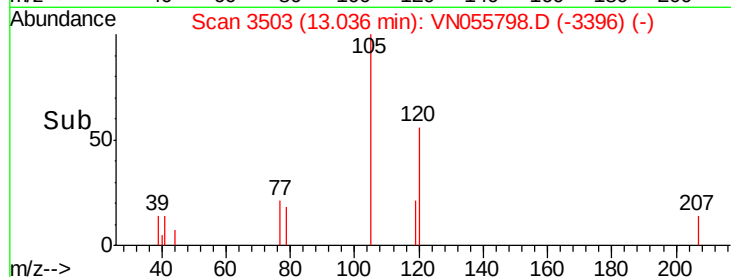
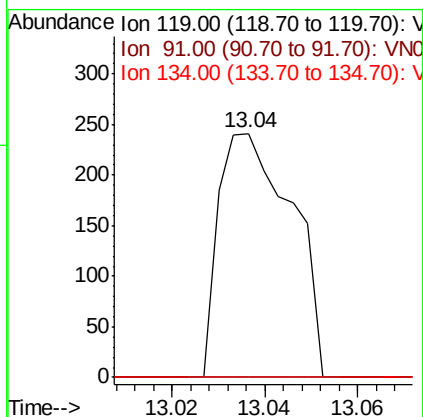
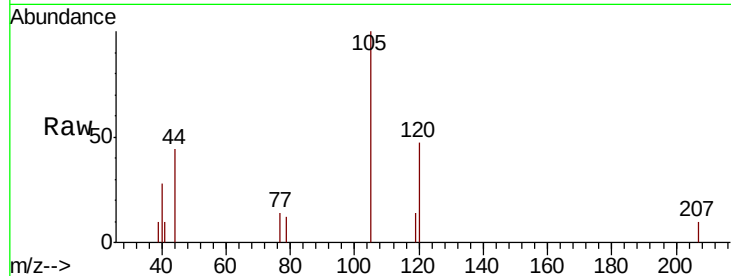




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.05 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

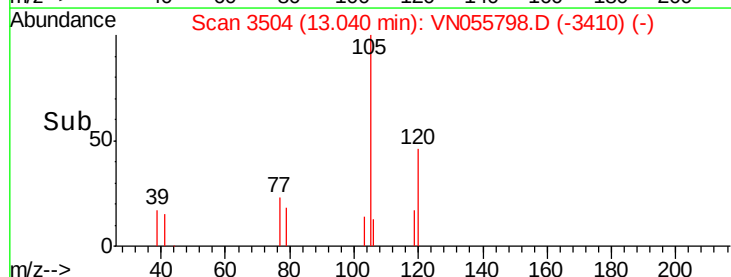
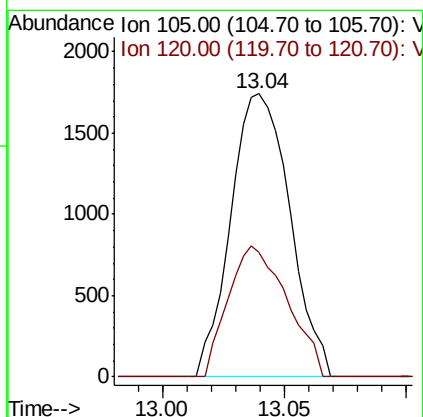
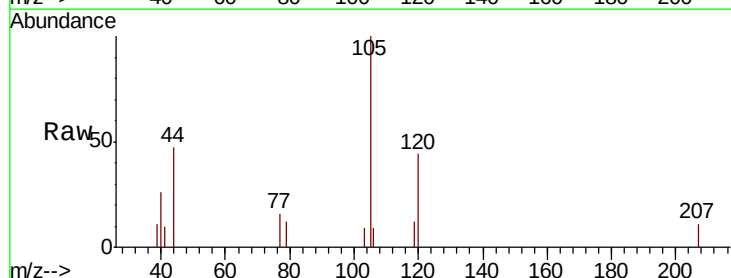
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

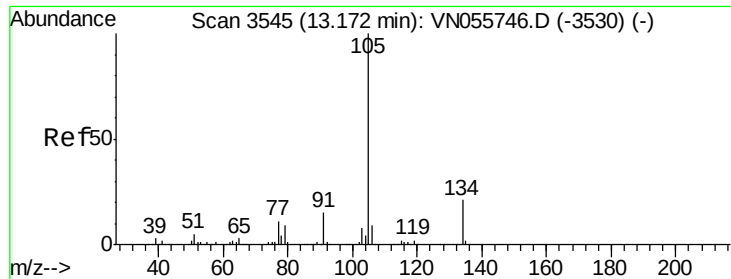
Tot Ion:119 Resp: 265
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.9 92.8#
 134 0.0 13.3 39.8#



#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

Tgt Ion:105 Resp: 2930
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.01 min
 Lab File: VN055798.D
 Acq: 24 May 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.4	31.2#

