

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054944.D
 Acq On : 4 Apr 2019 13:22
 Operator : JC/SP
 Sample : VN0404WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBL01

Quant Time: Apr 05 03:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

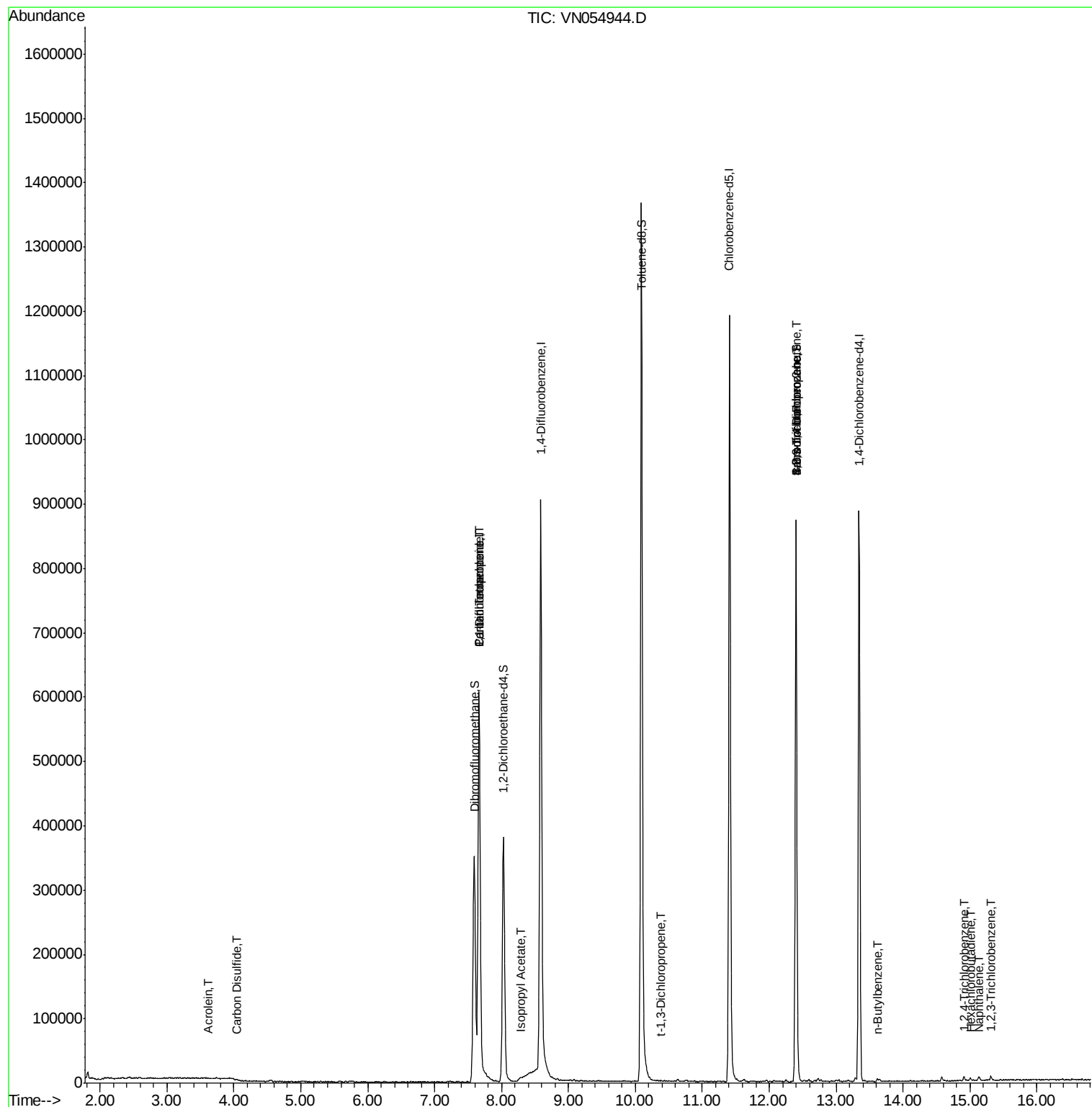
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	518438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	843050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	707711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	325392	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	269145	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
50) Toluene-d8	10.09	98	1002099	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	305401	43.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.90%	
Target Compounds						
					Qvalue	
13) Acrolein	3.61	56	782	5.601	ug/l #	74
16) Acetone	3.80	43	333	Below Cal	#	48
17) Carbon Disulfide	4.04	76	4590	0.316	ug/l #	91
18) Methyl Acetate	4.33	43	1527	Below Cal	#	56
31) Cyclohexane	7.66	56	11202	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	38849	4.651	ug/l #	50
38) Carbon Tetrachloride	7.66	117	47847	5.931	ug/l #	17
43) Isopropyl Acetate	8.30	43	7539	0.780	ug/l #	64
53) t-1,3-Dichloropropene	10.38	75	313	2.064	ug/l	99
71) Bromoform	12.40	173	2738	0.862	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	131	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	156150	41.214	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156150	148.833	ug/l #	4
89) n-Butylbenzene	13.62	91	2607	0.205	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	2057	2.916	ug/l	89
94) Hexachlorobutadiene	15.01	225	1257	0.464	ug/l #	62
95) Naphthalene	15.14	128	5526	3.436	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	2261	0.608	ug/l	86

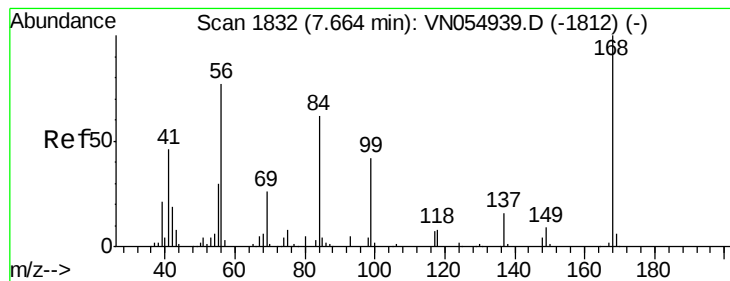
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054944.D

Acq: 4 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

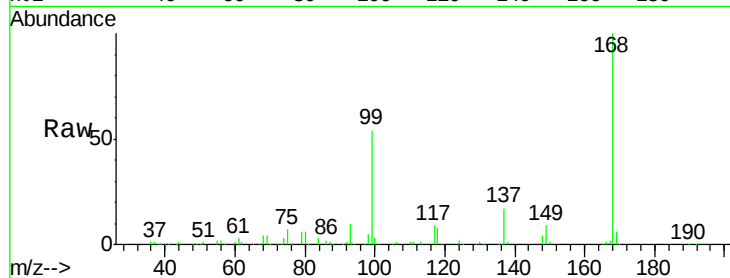
VN0404WBL01

Tgt Ion:168 Resp: 518438

Ion Ratio Lower Upper

168 100

99 54.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN054944.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054944.D (-1739) (-)

7.67

250000

200000

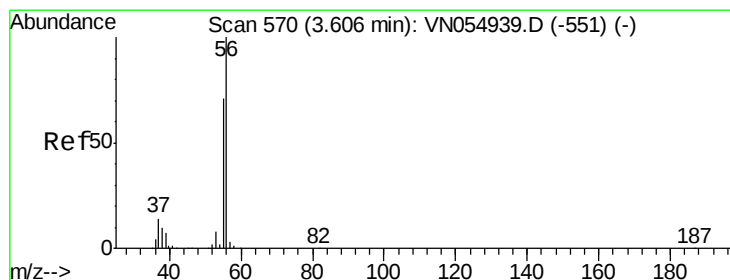
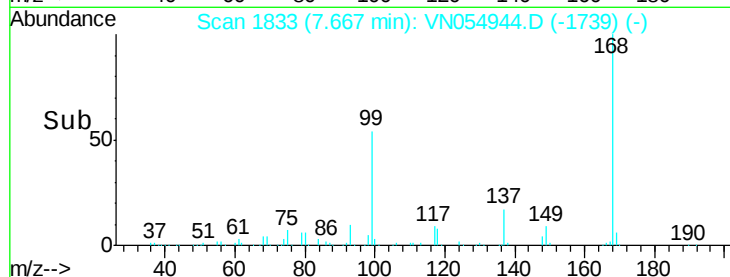
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 5.601 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054944.D

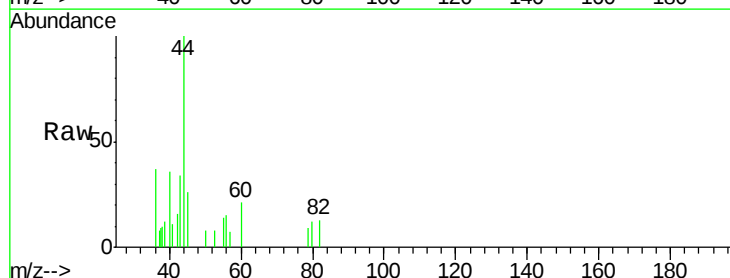
Acq: 4 Apr 2019 13:22

Tgt Ion: 56 Resp: 782

Ion Ratio Lower Upper

56 100

55 51.7 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VN054944.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054944.D (-477) (-)

3.61

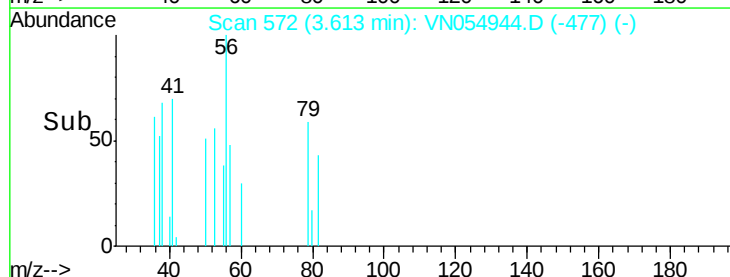
300

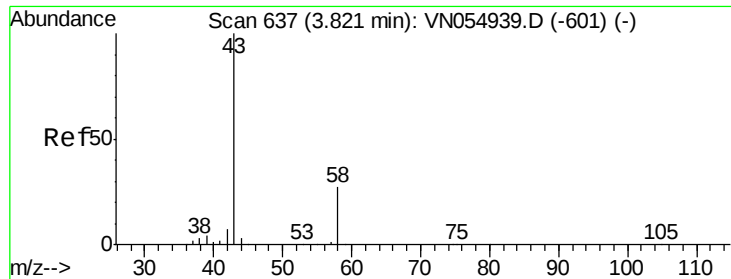
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 631

Delta R.T. -0.02 min

Lab File: VN054944.D

Acq: 4 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampleId :

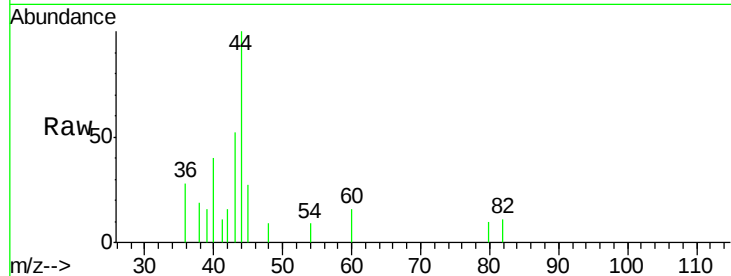
VN0404WBL01

Tgt Ion: 43 Resp: 333

Ion Ratio Lower Upper

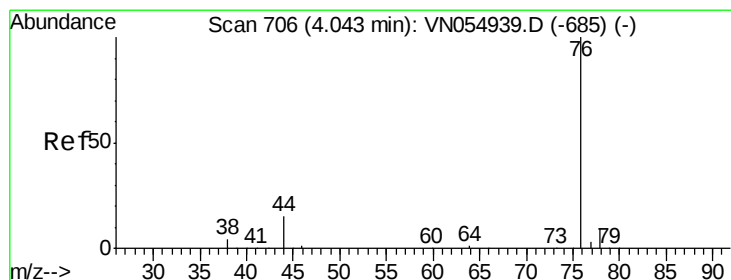
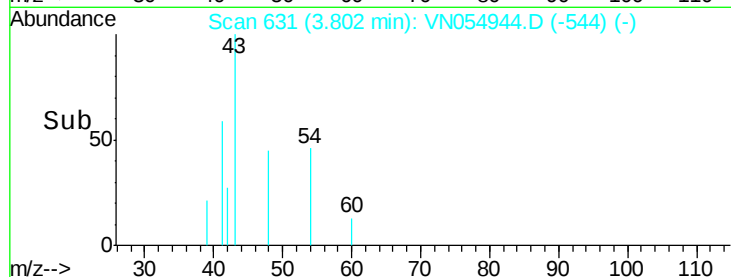
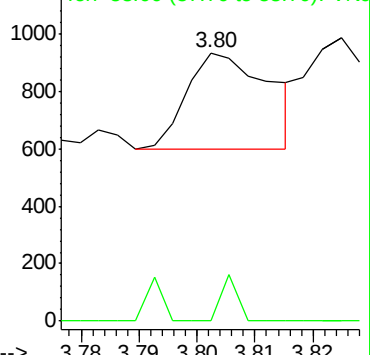
43 100

58 0.0 21.7 32.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.316 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054944.D

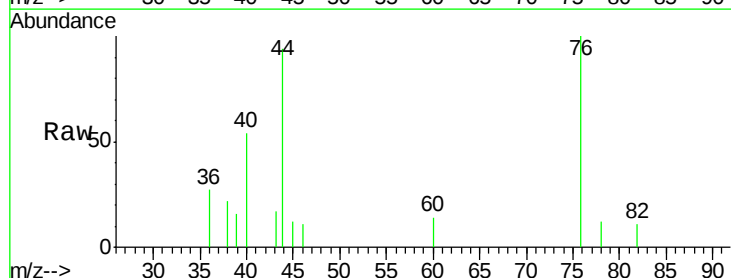
Acq: 4 Apr 2019 13:22

Tgt Ion: 76 Resp: 4590

Ion Ratio Lower Upper

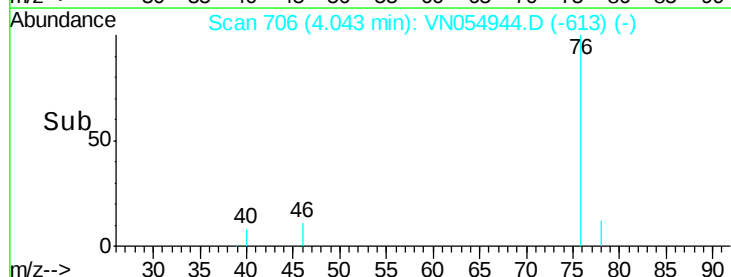
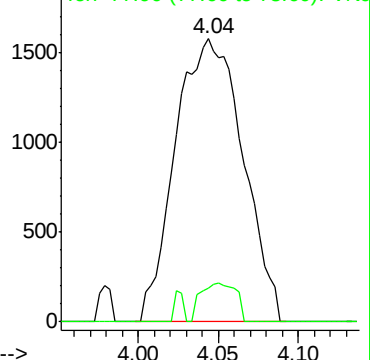
76 100

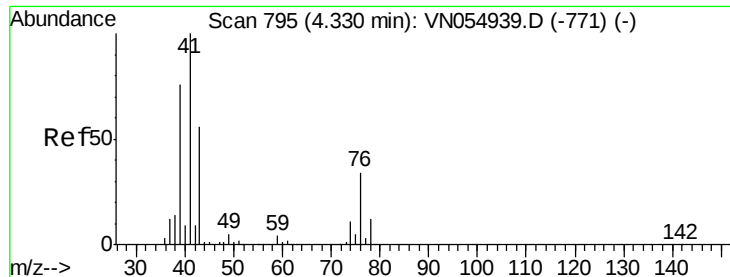
78 12.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

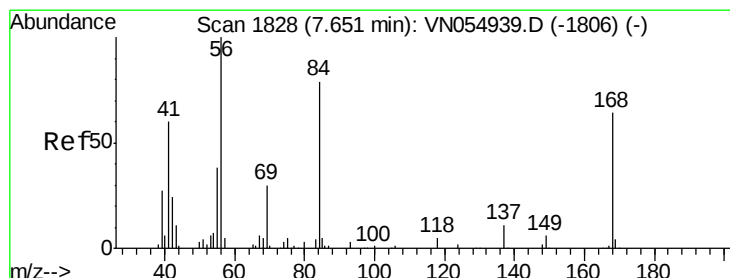
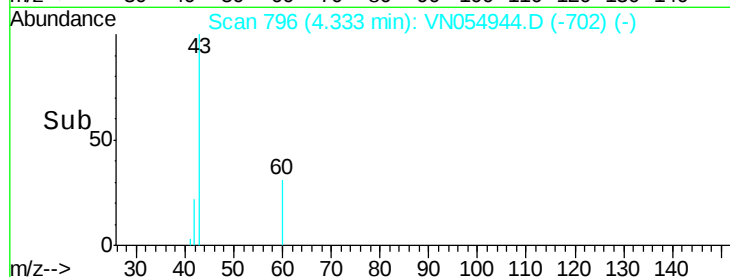
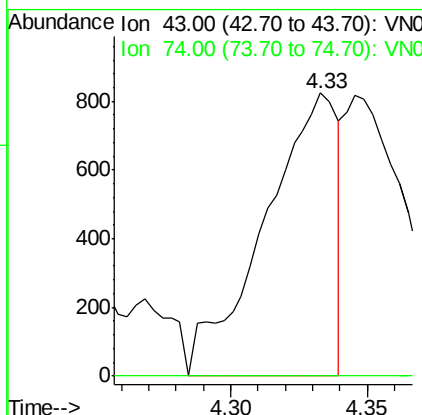
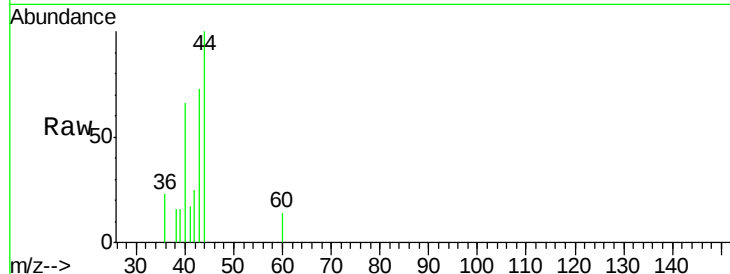




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054944.D
Acq: 4 Apr 2019 13:22

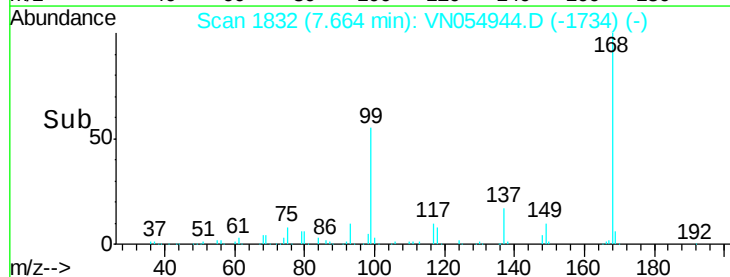
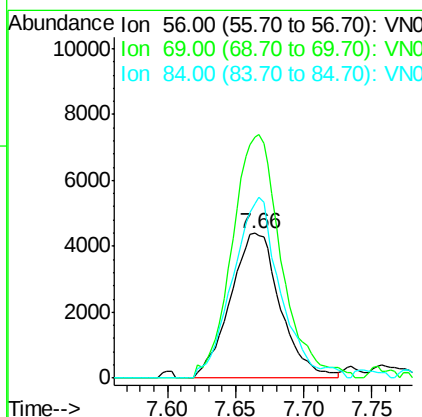
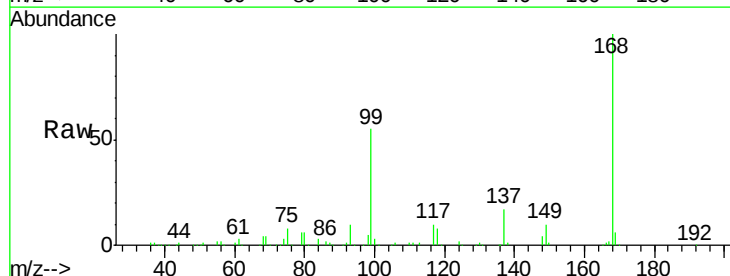
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBL01

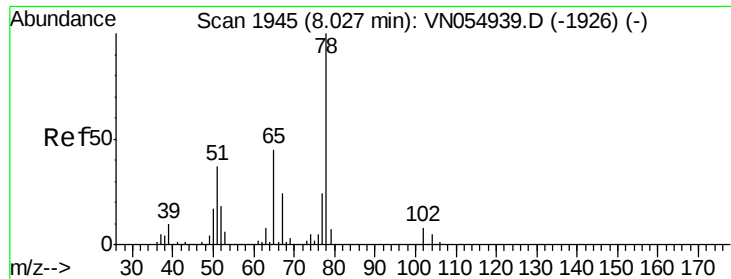
Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054944.D
Acq: 4 Apr 2019 13:22

Tgt Ion: 56 Resp: 11202
Ion Ratio Lower Upper
56 100
69 166.8 23.8 35.6#
84 120.3 61.8 92.8#

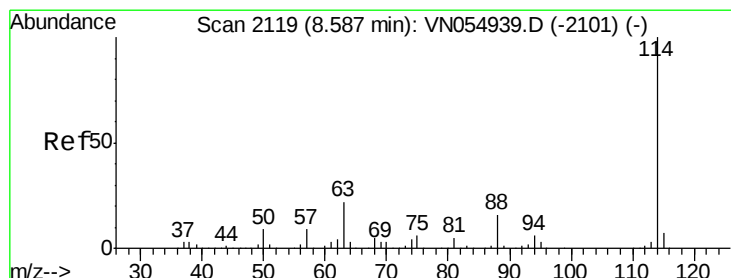
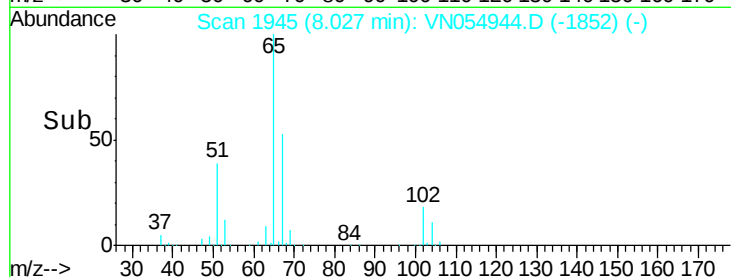
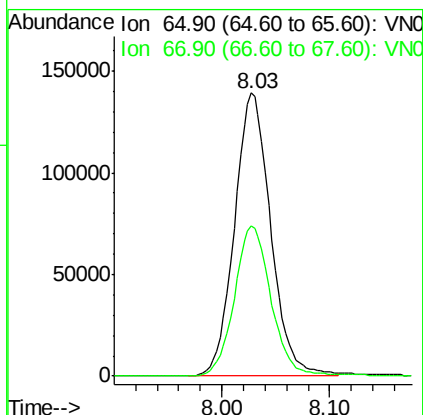
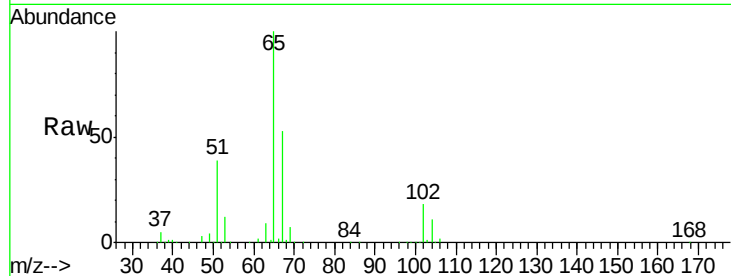




#33
 1,2-Dichloroethane-d4
 Concen: 47.604 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

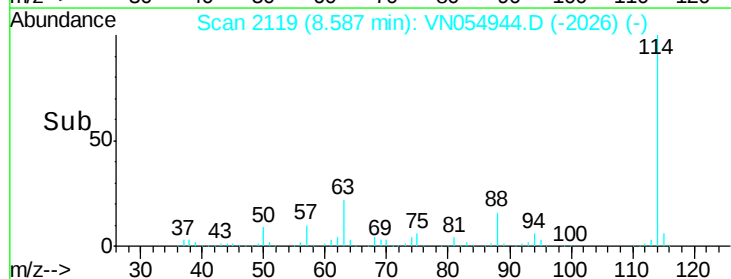
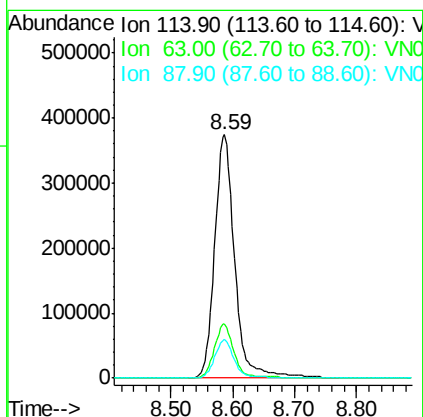
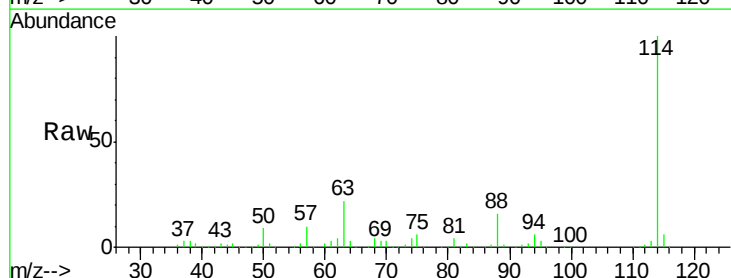
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBL01

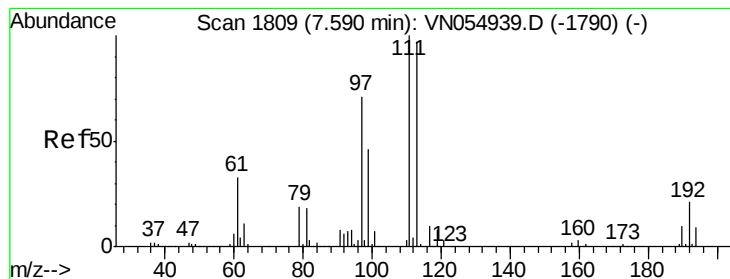
Tgt Ion: 65 Resp: 325392
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

Tgt Ion: 114 Resp: 843050
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.6
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.044 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054944.D

Acq: 4 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0404WBL01

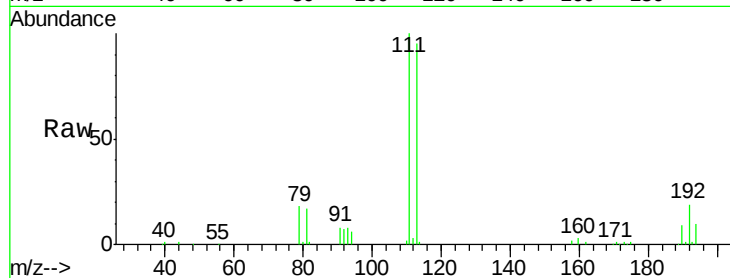
Tgt Ion:113 Resp: 269145

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.4

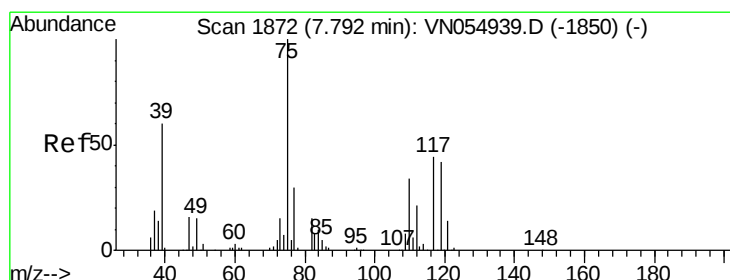
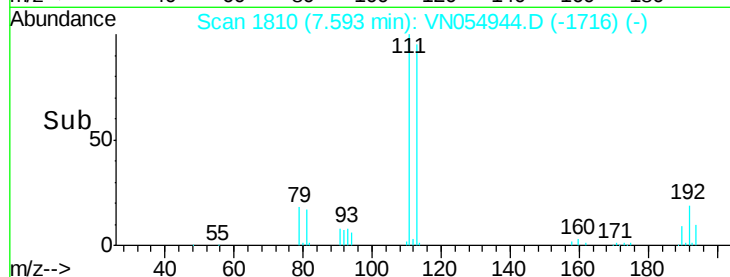
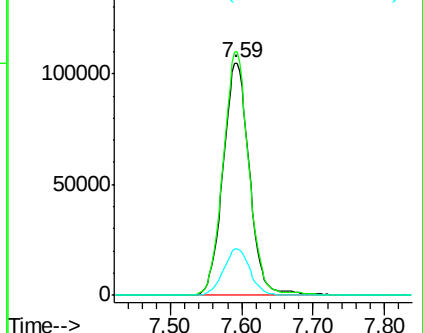
192 20.2 16.5 24.7



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: 4.651 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054944.D

Acq: 4 Apr 2019 13:22

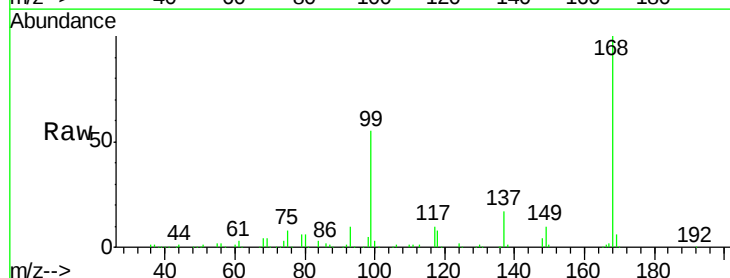
Tgt Ion: 75 Resp: 38849

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

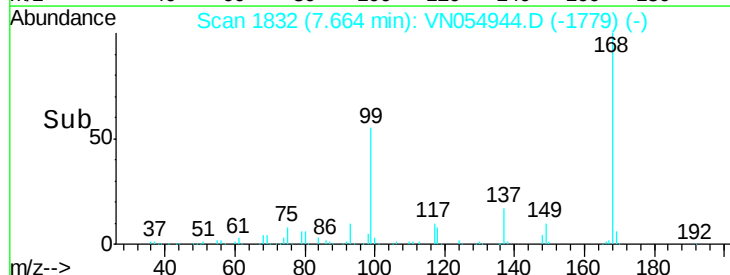
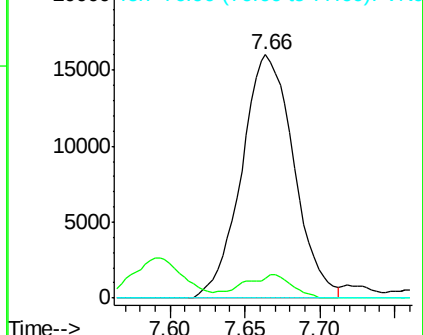
77 0.0 25.3 37.9#

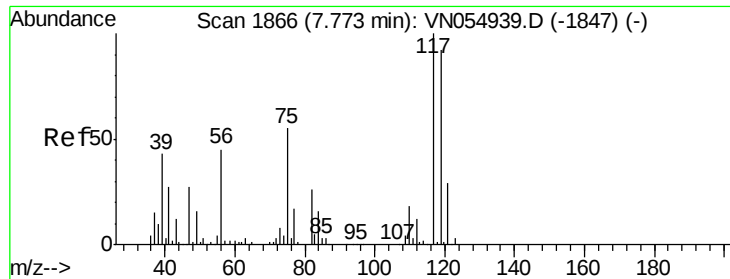


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.931 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054944.D

Acq: 4 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0404WBL01

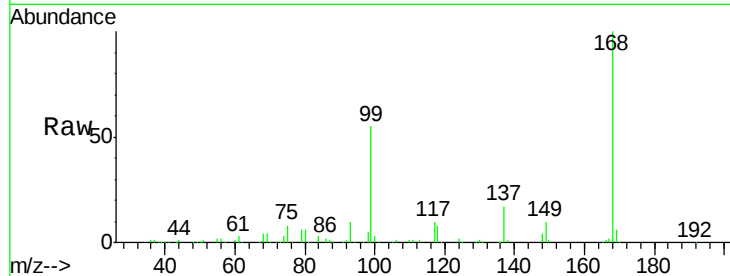
Tgt Ion:117 Resp: 47847

Ion Ratio Lower Upper

117 100

119 4.5 73.6 110.4#

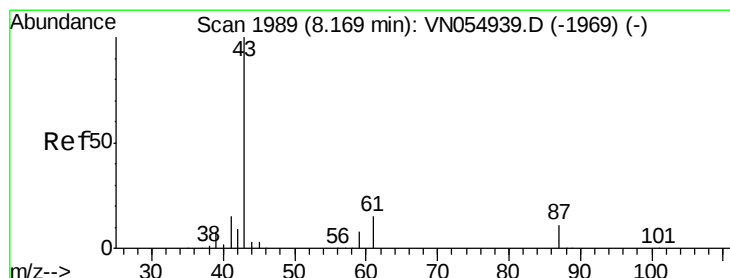
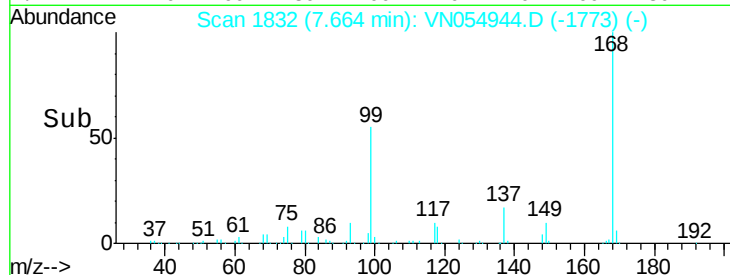
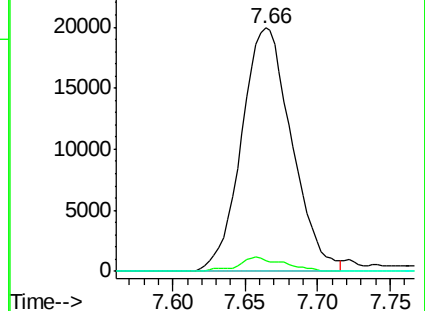
121 0.0 23.4 35.0#



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: 0.780 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN054944.D

Acq: 4 Apr 2019 13:22

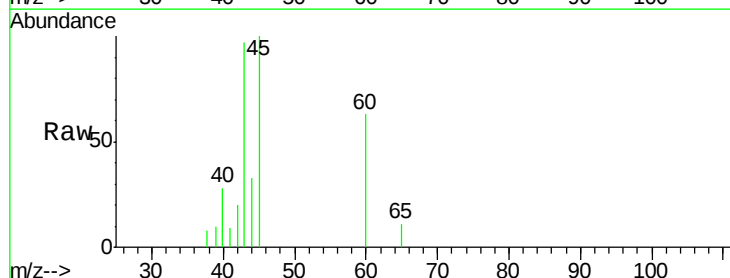
Tgt Ion: 43 Resp: 7539

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

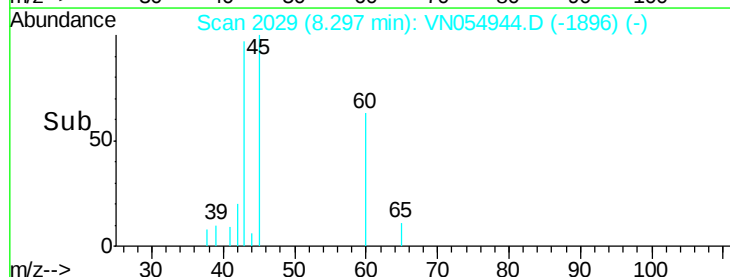
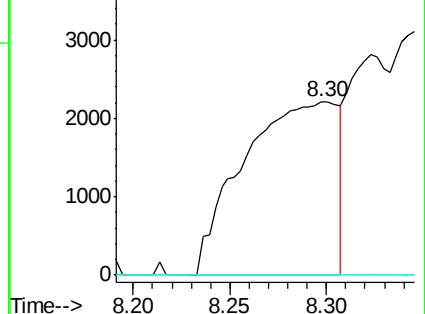
87 0.0 9.0 13.4#

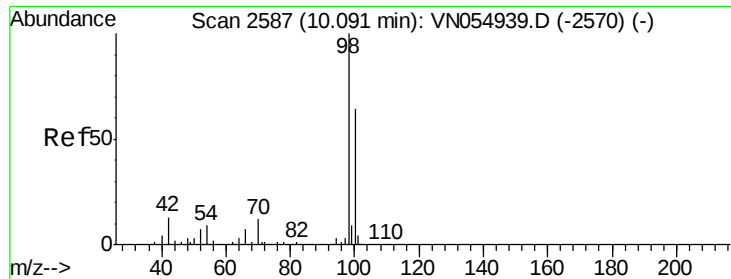


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

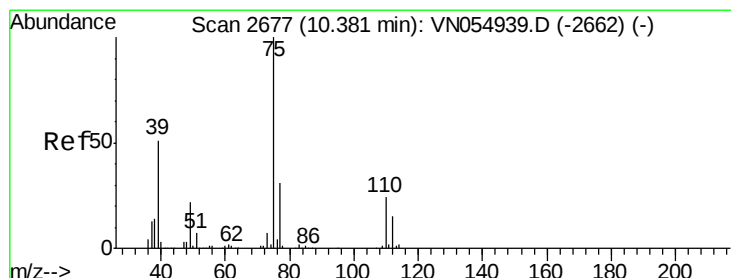
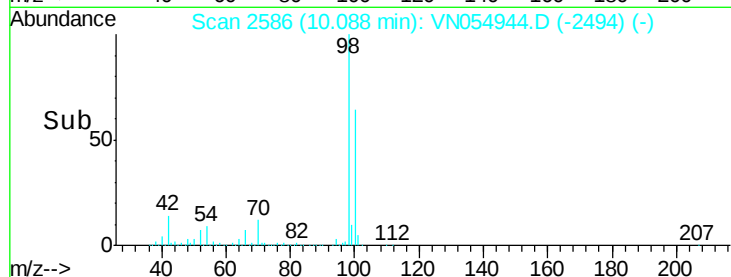
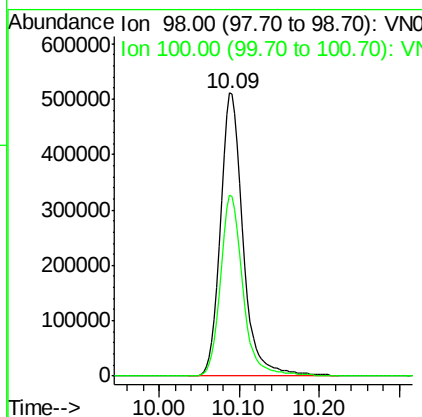
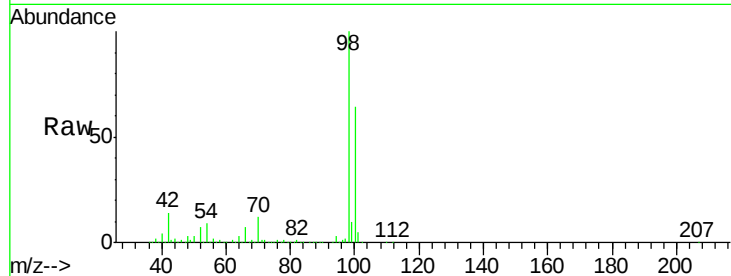




#50
Toluene-d8
Concen: 48.124 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054944.D
Acq: 4 Apr 2019 13:22

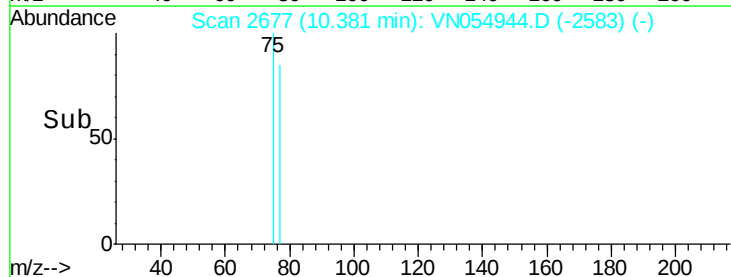
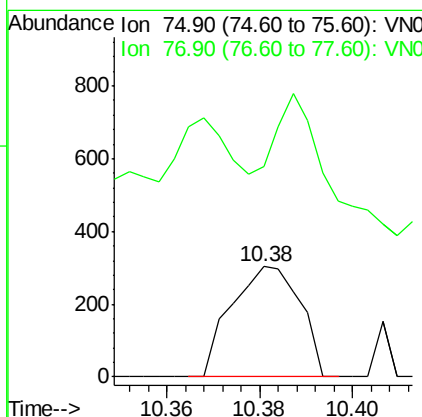
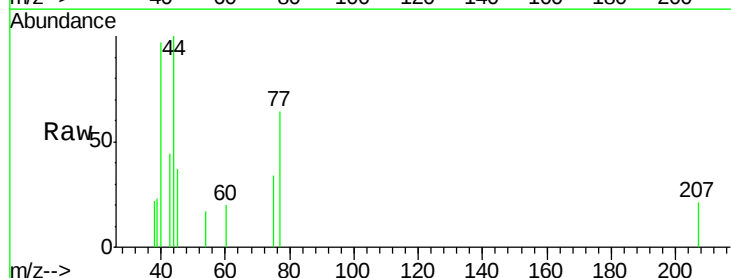
Instrument :
MSVOA_N
ClientSampled :
VN0404WBL01

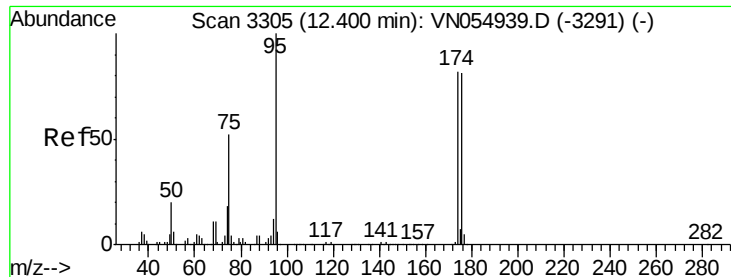
Tgt Ion: 98 Resp: 1002099
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#53
t-1,3-Dichloropropene
Concen: 2.064 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054944.D
Acq: 4 Apr 2019 13:22

Tgt Ion: 75 Resp: 313
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8

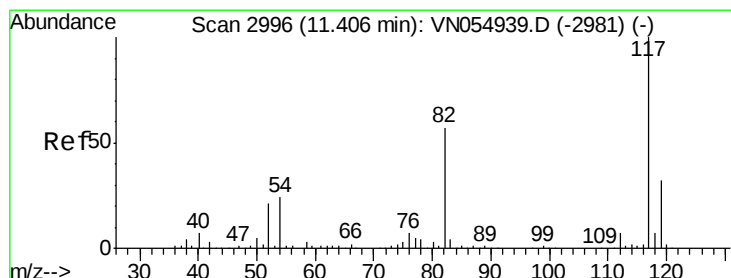
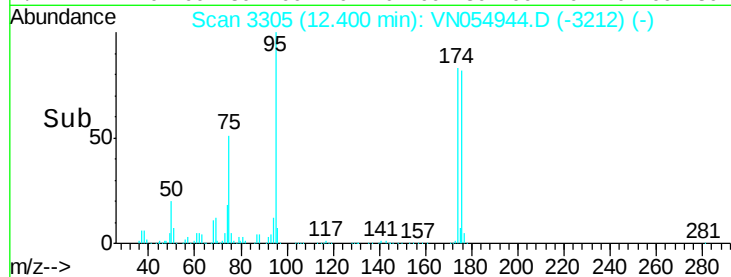
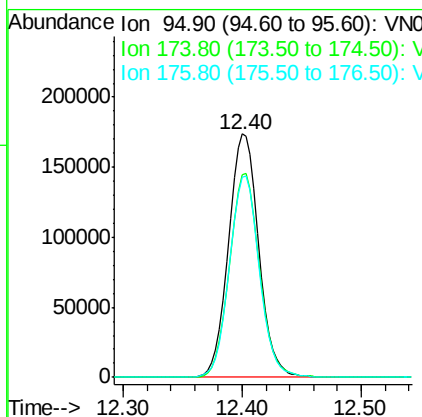
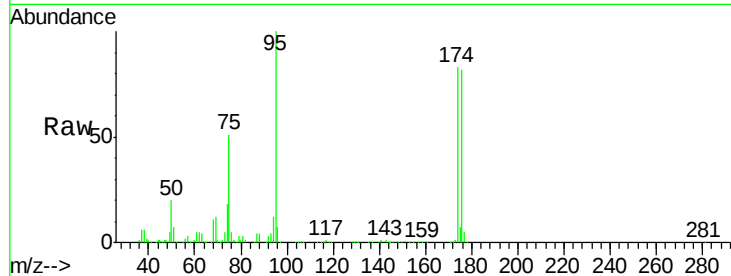




#62
 4-Bromofluorobenzene
 Concen: 43.948 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

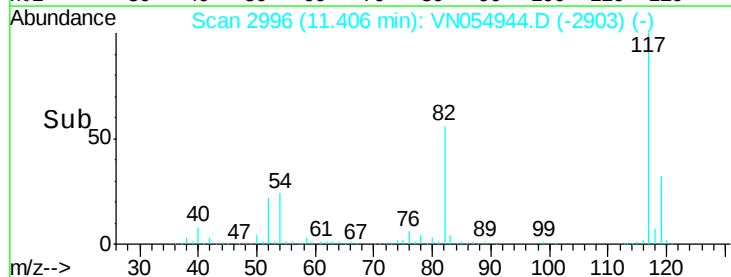
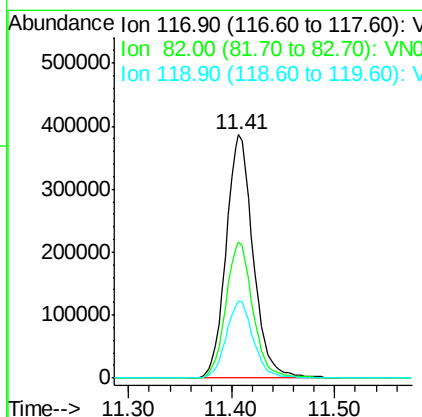
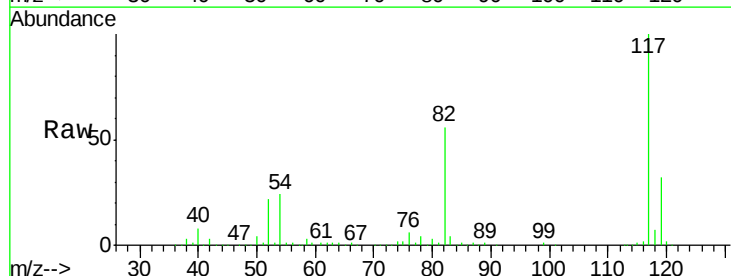
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBL01

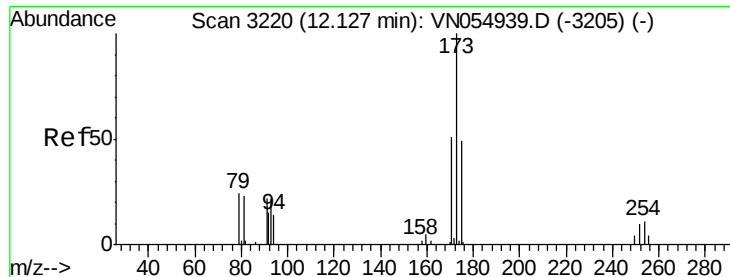
Tgt Ion: 95 Resp: 305401
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 166.2
 176 82.3 0.0 163.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

Tgt Ion: 117 Resp: 707711
 Ion Ratio Lower Upper
 117 100
 82 55.7 45.3 67.9
 119 31.7 25.8 38.6





#71

Bromoform

Concen: 0.862 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054944.D

Acq: 4 Apr 2019 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0404WBL01

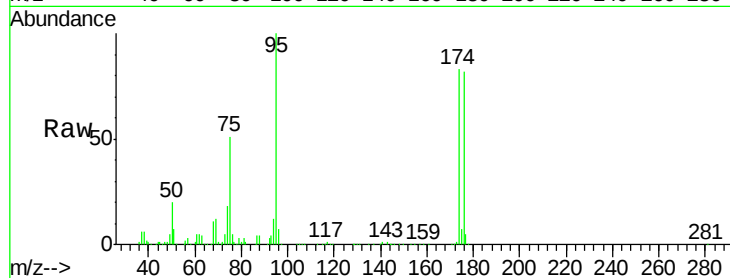
Tgt Ion:173 Resp: 2738

Ion Ratio Lower Upper

173 100

175 632.4 24.1 72.4#

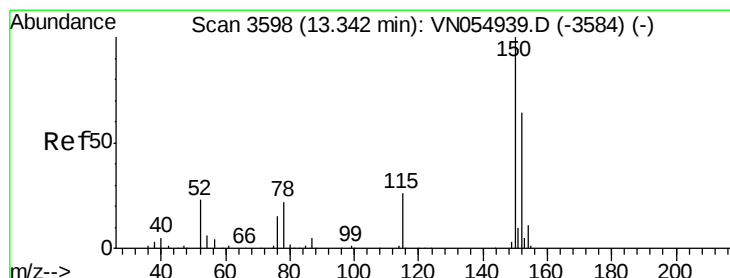
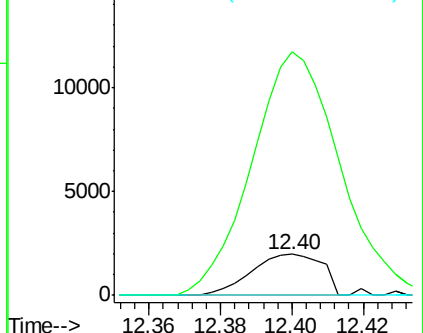
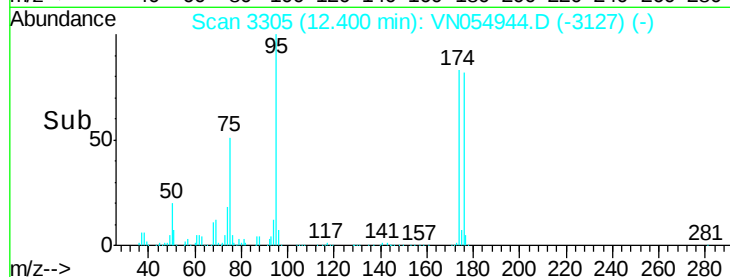
254 0.0 0.0 0.0



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: VN054944.D

Acq: 4 Apr 2019 13:22

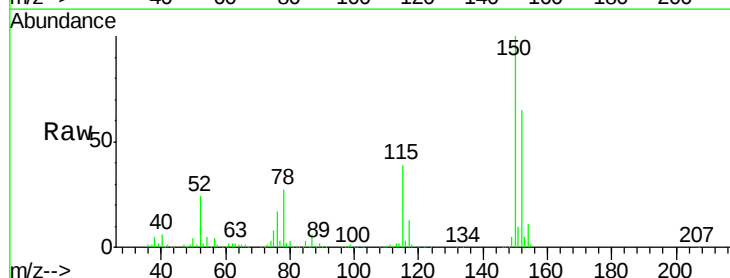
Tgt Ion:152 Resp: 242347

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.8

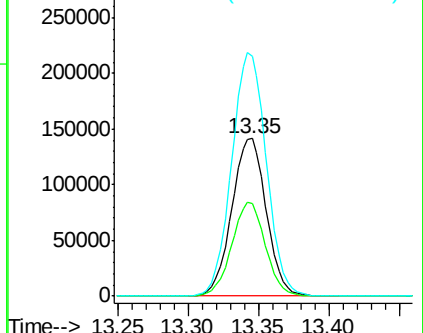
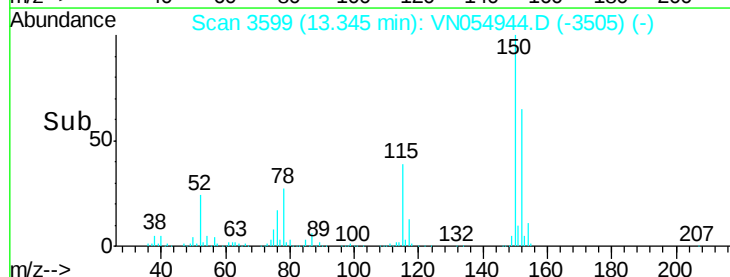
150 155.4 0.0 345.4

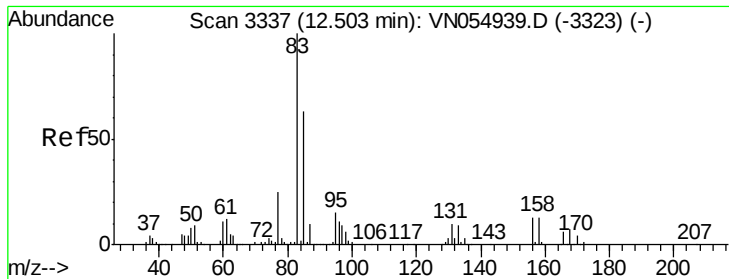


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN054944.D

Acq: 4 Apr 2019 13:22

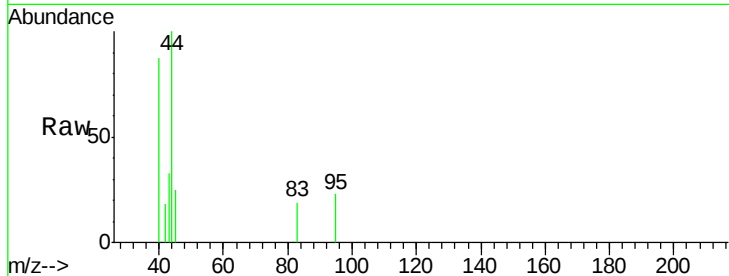
Instrument :

MSVOA_N

ClientSampleId :

VN0404WBL01

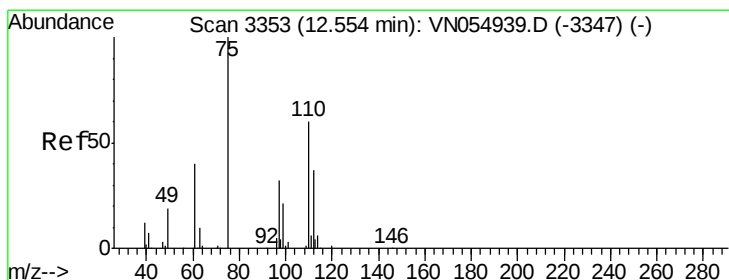
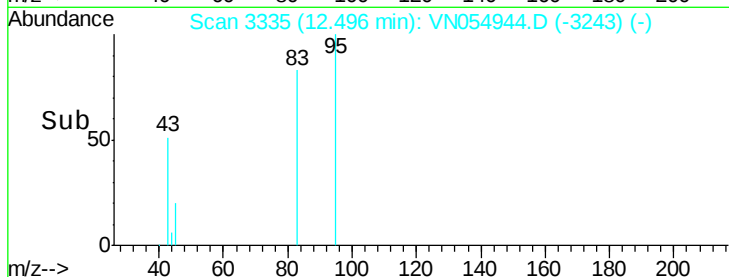
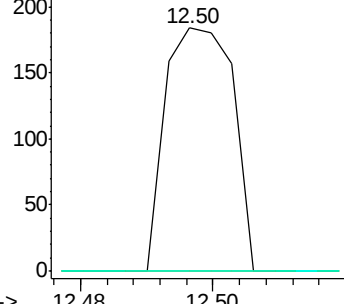
Tgt Ion:	83	Resp:	131
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	31.4	94.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 41.214 ug/l

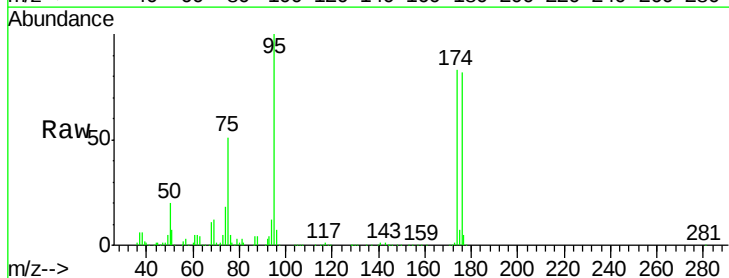
RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054944.D

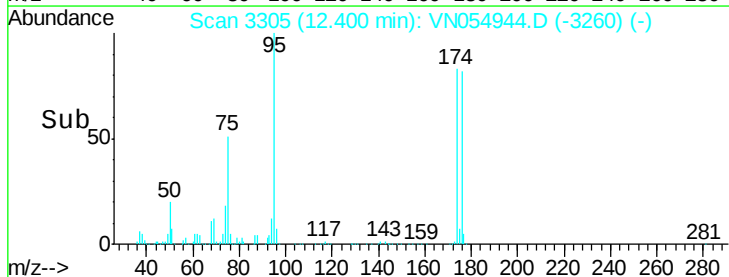
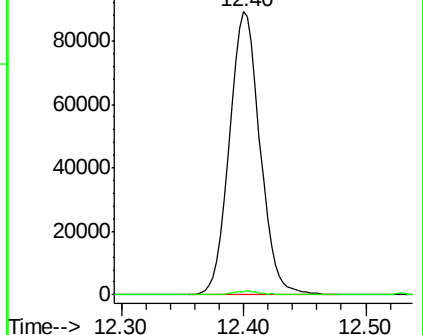
Acq: 4 Apr 2019 13:22

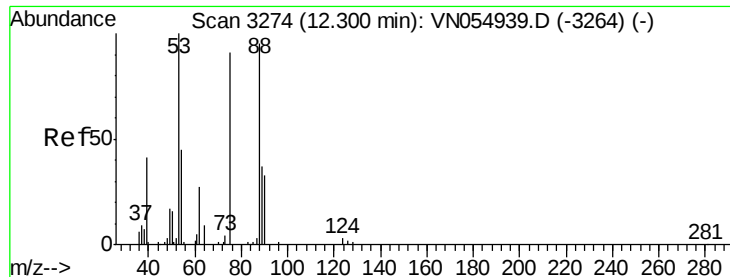
Tgt Ion:	75	Resp:	156150
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

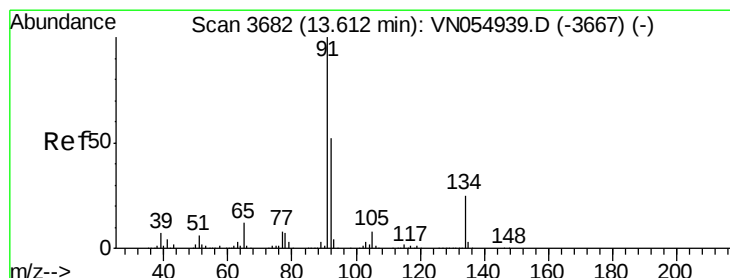
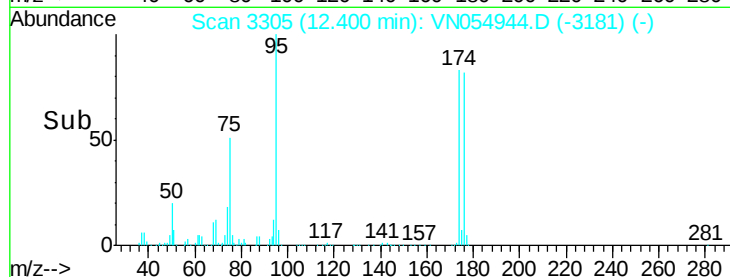
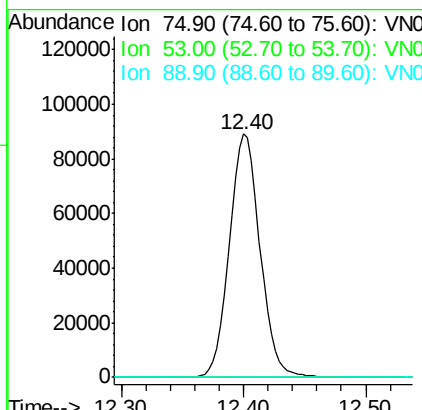
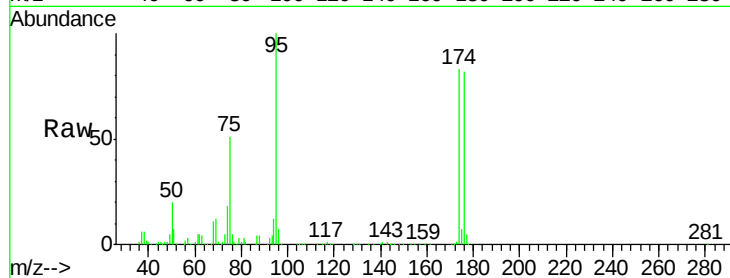




#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.833 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

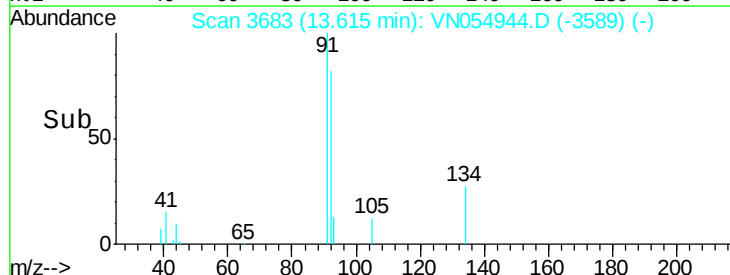
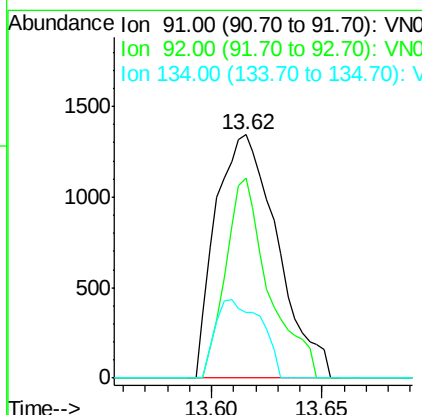
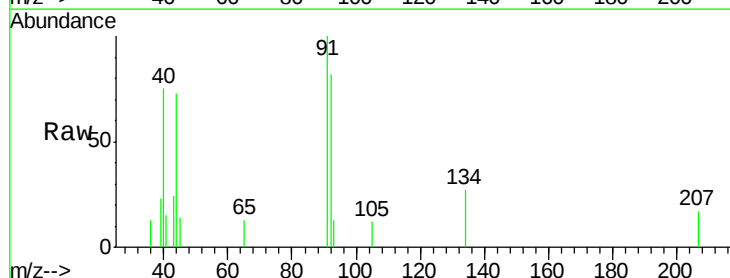
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBL01

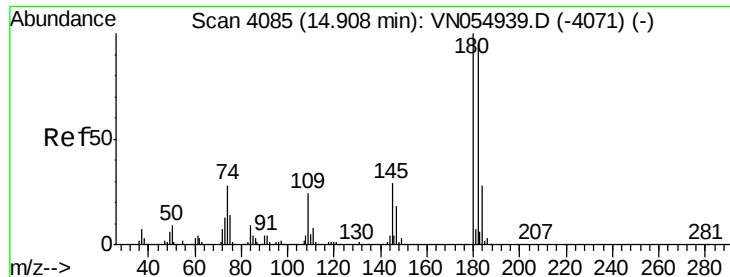
Tgt Ion: 75 Resp: 156150
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.8 139.2#
 89 0.0 36.7 55.1#



#89
 n-Butylbenzene
 Concen: 0.205 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

Tgt Ion: 91 Resp: 2607
 Ion Ratio Lower Upper
 91 100
 92 57.5 26.1 78.2
 134 23.9 12.6 37.8

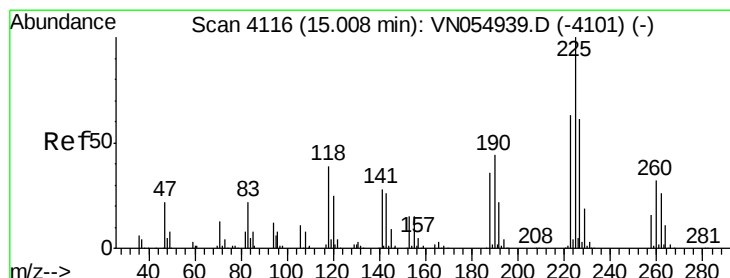
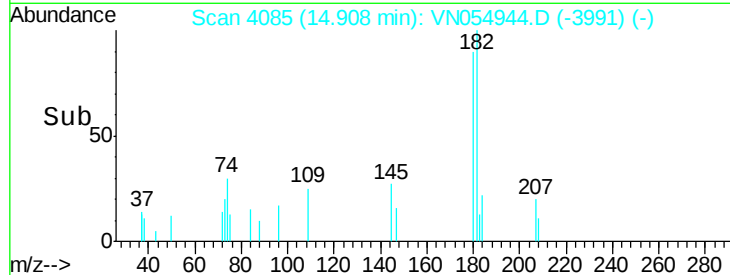
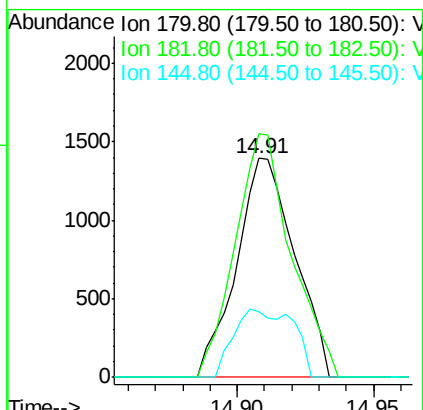
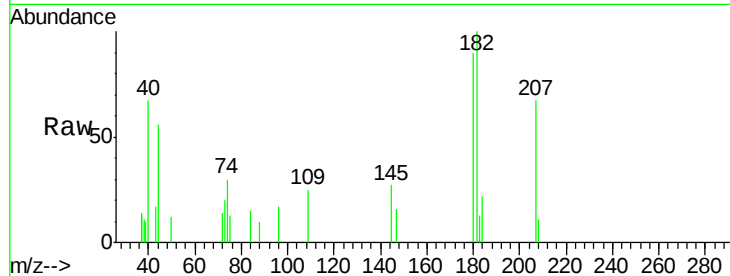




#93
 1,2,4-Trichlorobenzene
 Concen: 2.916 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

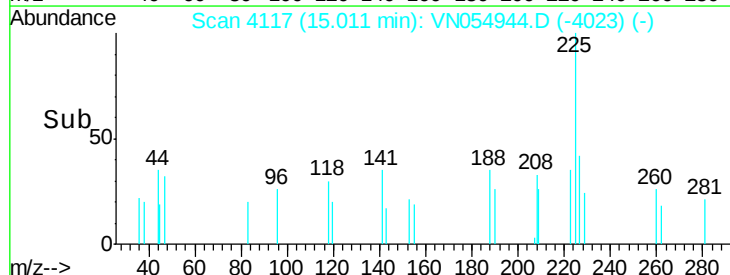
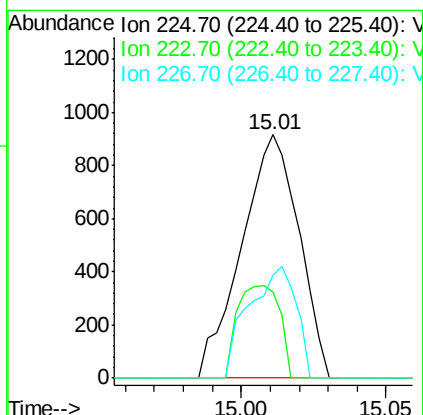
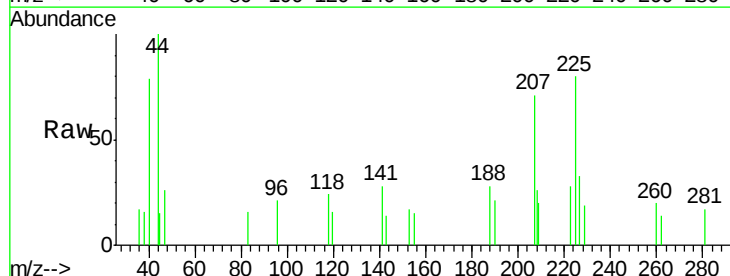
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBL01

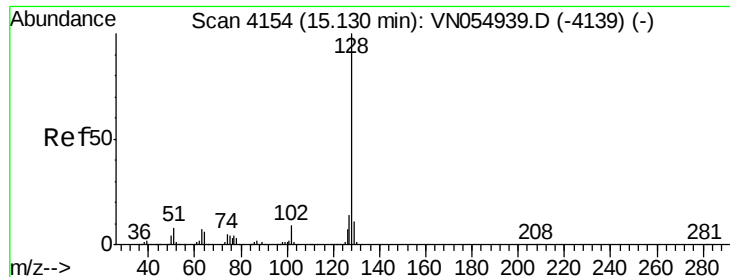
Tgt Ion:180 Resp: 2057
 Ion Ratio Lower Upper
 180 100
 182 107.6 47.5 142.6
 145 31.8 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 0.464 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054944.D
 Acq: 4 Apr 2019 13:22

Tgt Ion:225 Resp: 1257
 Ion Ratio Lower Upper
 225 100
 223 27.9 31.1 93.5#
 227 37.6 30.9 92.5

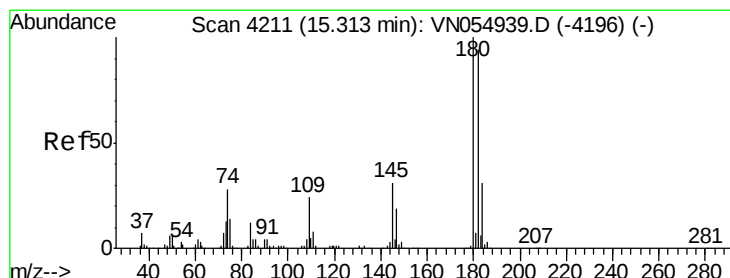
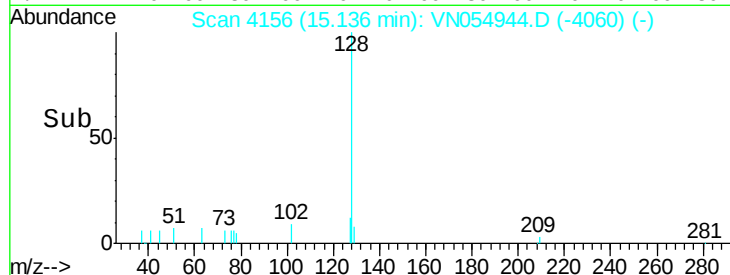
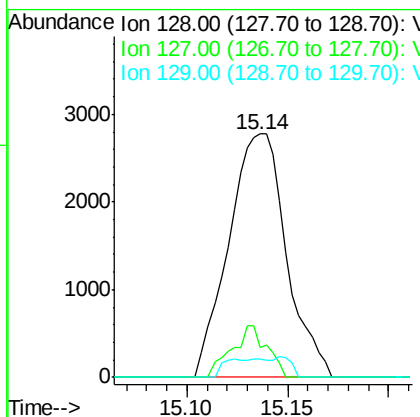
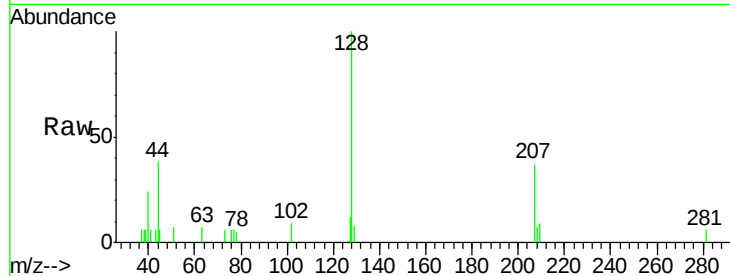




#95
Naphthalene
Concen: 3.436 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN054944.D
Acq: 4 Apr 2019 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0404WBL01

Tgt Ion:128 Resp: 5526
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 3.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.608 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.01 min
Lab File: VN054944.D
Acq: 4 Apr 2019 13:22

Tgt Ion:180 Resp: 2261
Ion Ratio Lower Upper
180 100
182 112.7 47.5 142.5
145 31.5 15.6 46.8

