

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054917.D
 Acq On : 3 Apr 2019 11:10
 Operator : JC/SP
 Sample : K2180-06
 Misc : 4.52uL/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 04 01:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

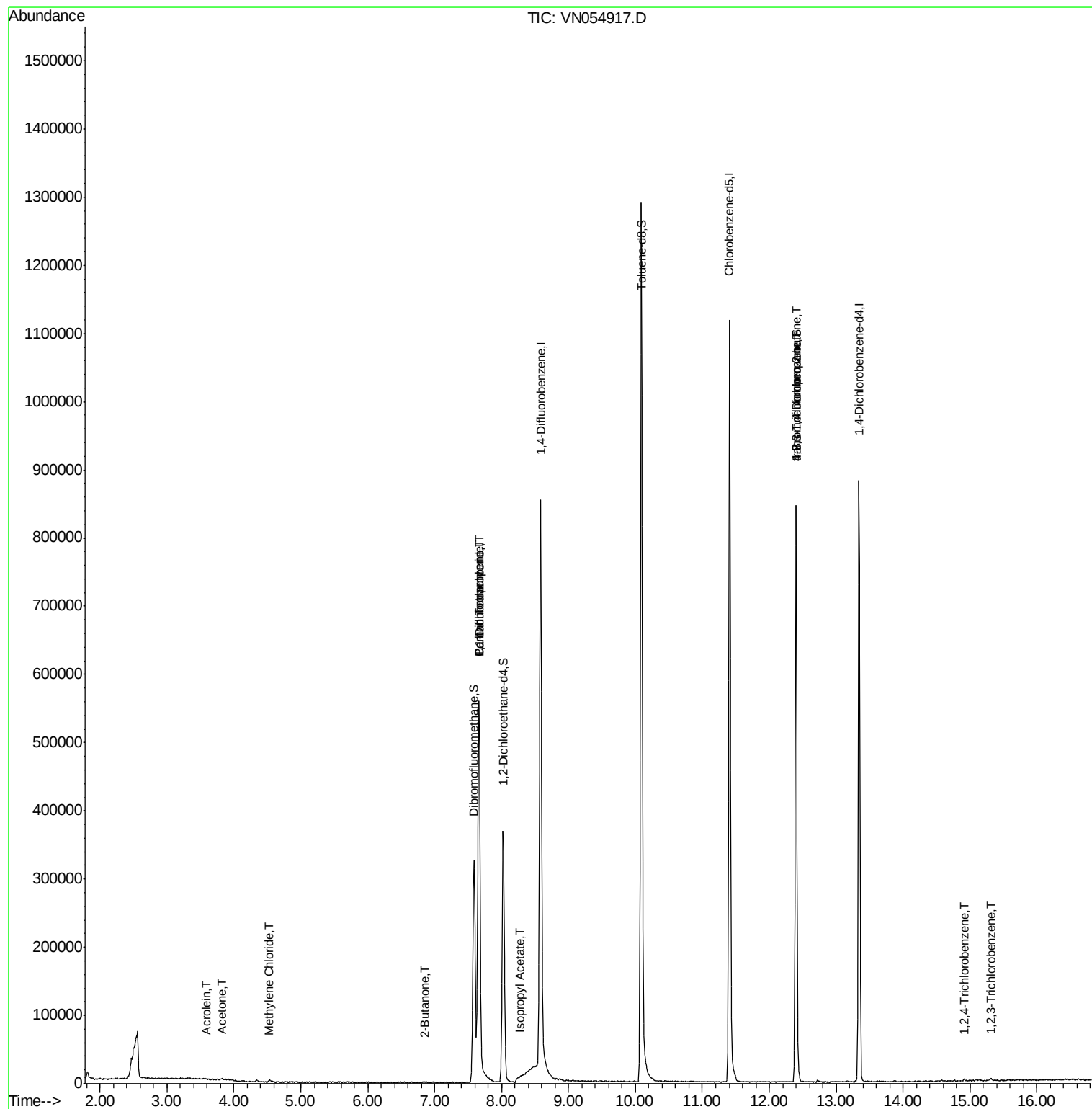
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	474129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	784079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	235688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	308713	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.60%	
35) Dibromofluoromethane	7.59	113	243513	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
50) Toluene-d8	10.09	98	948701	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.40	95	289746	44.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.66%	
Target Compounds				Qvalue		
5) Bromomethane	2.56	94	384	Below Cal	#	50
13) Acrolein	3.60	56	197	0.662	ug/l #	14
16) Acetone	3.82	43	809	0.531	ug/l #	38
18) Methyl Acetate	4.33	43	2716	Below Cal	#	69
20) Methylene Chloride	4.54	84	1980	0.368	ug/l #	87
25) 2-Butanone	6.85	43	496	0.220	ug/l #	46
31) Cyclohexane	7.66	56	10358	Below Cal	#	28
36) 1,1-Dichloropropene	7.66	75	36006	4.928	ug/l #	48
38) Carbon Tetrachloride	7.66	117	42498	5.989	ug/l #	16
43) Isopropyl Acetate	8.26	43	6881	0.790	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.40	83	175	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	151198	36.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151198	143.639	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1119	0.295	ug/l #	73
94) Hexachlorobutadiene	15.01	225	33	Below Cal	#	39
96) 1,2,3-Trichlorobenzene	15.31	180	861	0.225	ug/l	88

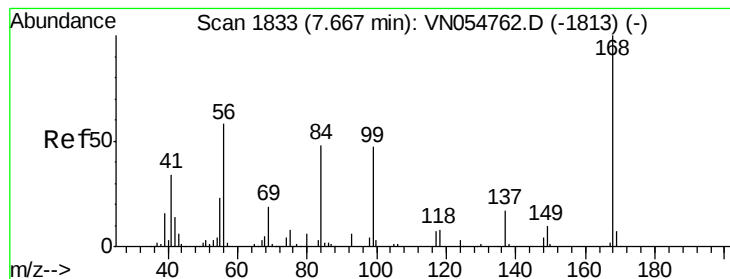
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

Instrument :

MSVOA_N

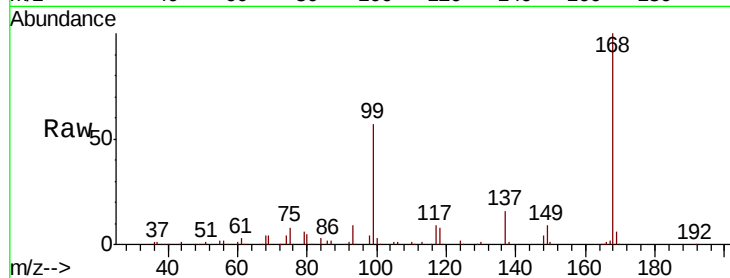
ClientSampleId :

Tot Ion:168 Resp: 474129

Ion Ratio Lower Upper

168 100

99 56.5 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.66

200000

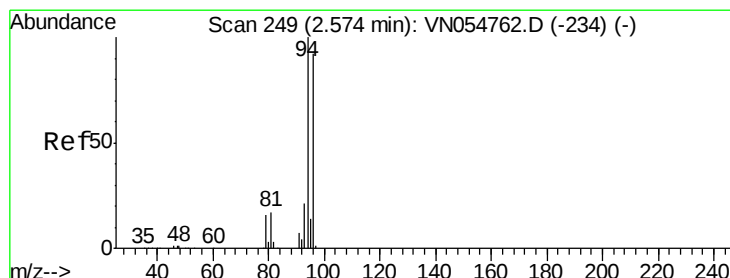
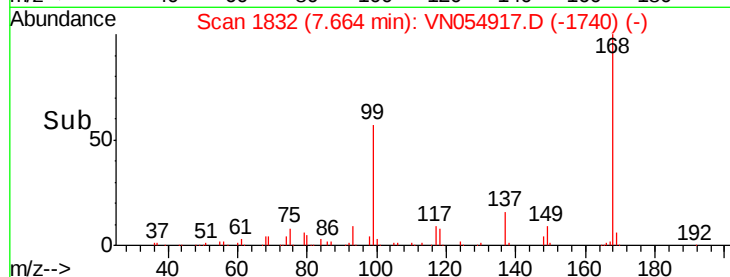
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN054917.D

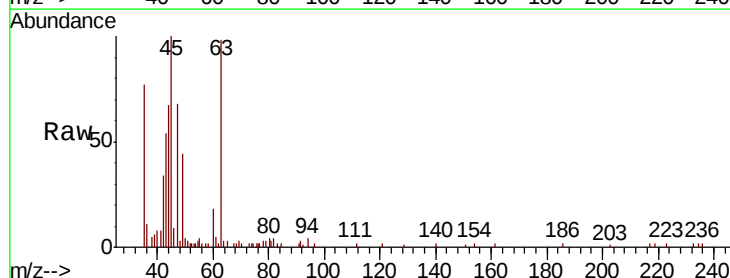
Acq: 3 Apr 2019 11:10

Tgt Ion: 94 Resp: 384

Ion Ratio Lower Upper

94 100

96 47.4 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054762.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN054762.D (-234) (-)

2.56

500

400

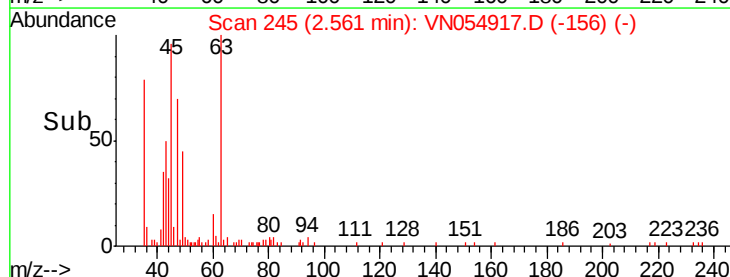
300

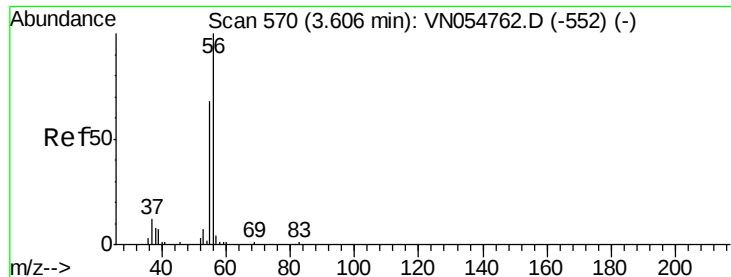
200

100

0

Time-->





#13

Acrolein

Concen: 0.662 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

Instrument :

MSVOA_N

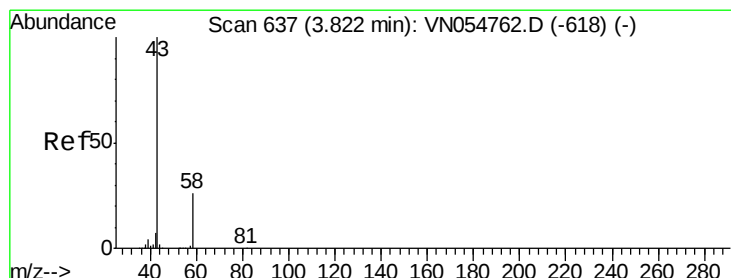
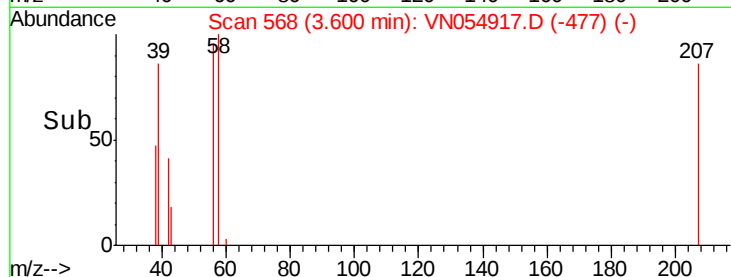
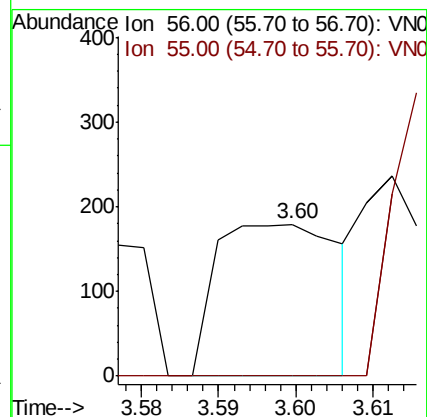
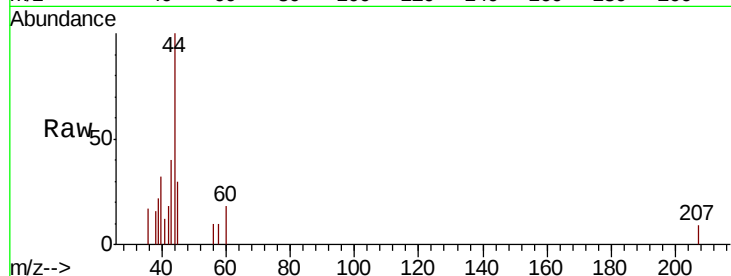
ClientSampled :

Tot Ion: 56 Resp: 197

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 0.531 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054917.D

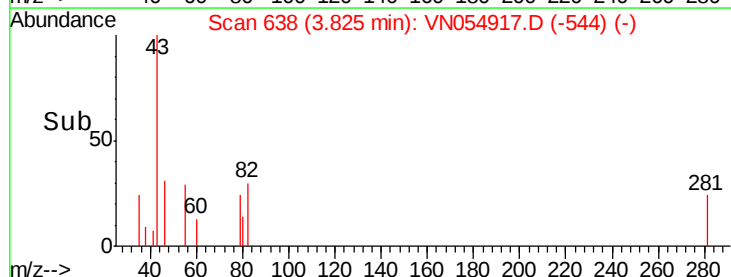
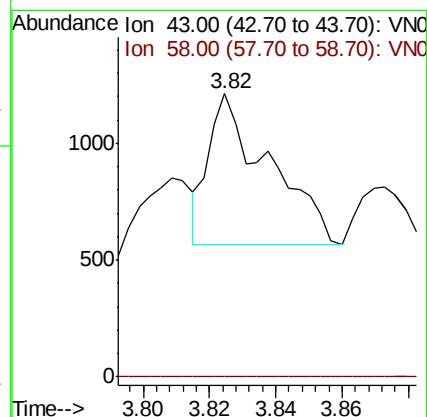
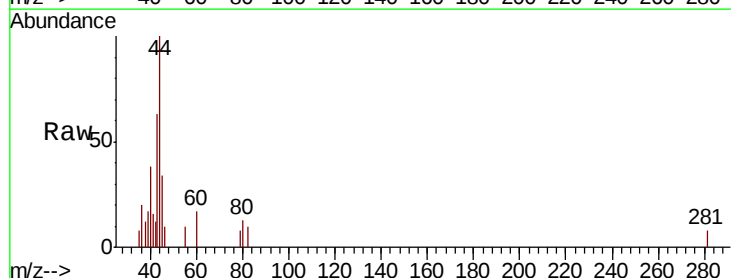
Acq: 3 Apr 2019 11:10

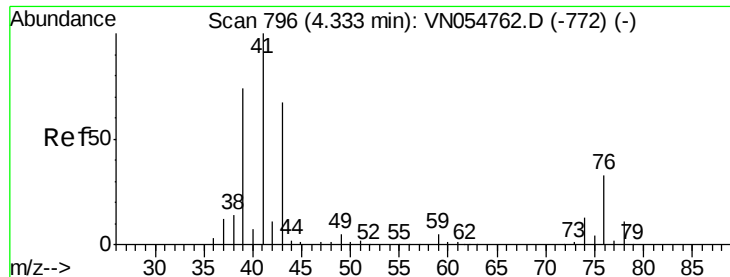
Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#

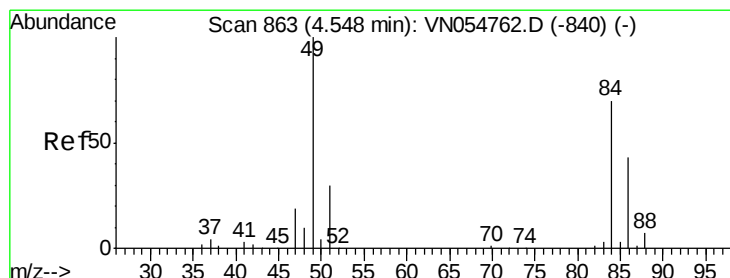
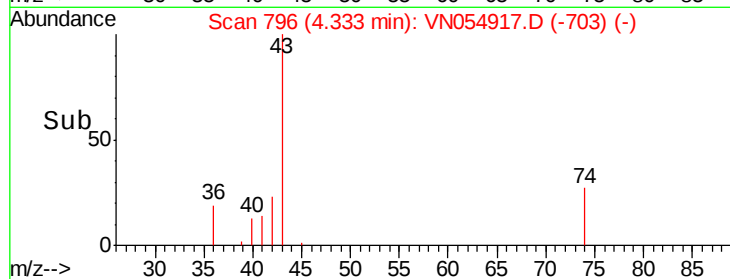
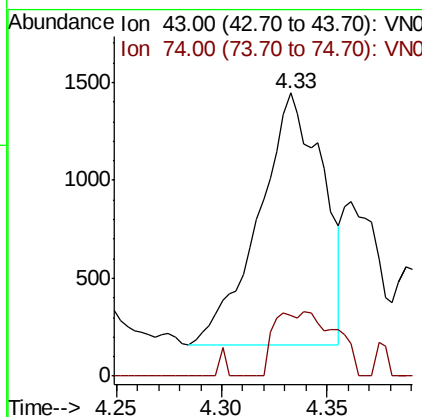
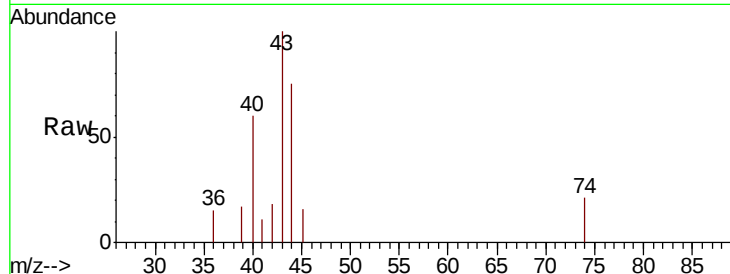




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054917.D
Acq: 3 Apr 2019 11:10

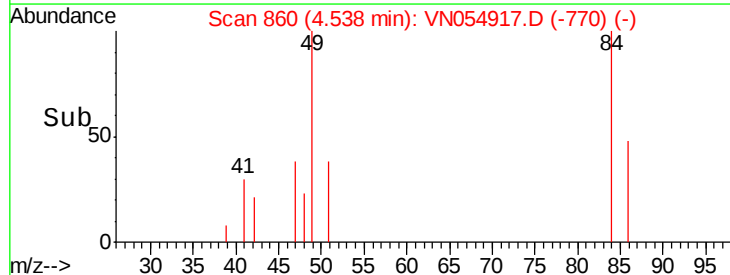
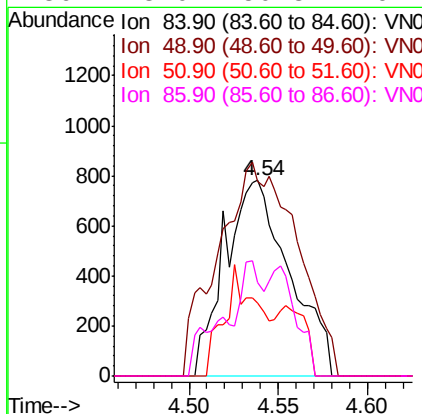
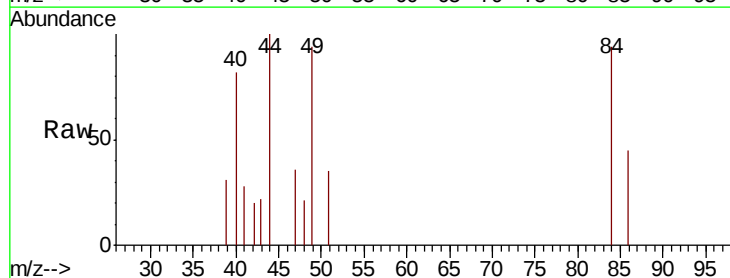
Instrument :
MSVOA_N
ClientSampled :

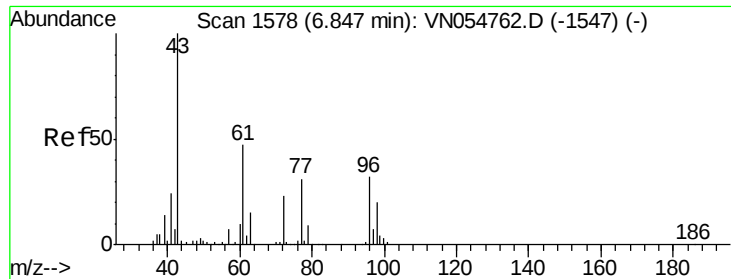
Tot Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
74 10.2 20.8 31.2#



#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN054917.D
Acq: 3 Apr 2019 11:10

Tgt Ion: 84 Resp: 1980
Ion Ratio Lower Upper
84 100
49 99.7 89.7 134.5
51 37.6 28.2 42.4
86 48.0 50.8 76.2#





#25

2-Butanone

Concen: 0.220 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

Instrument :

MSVOA_N

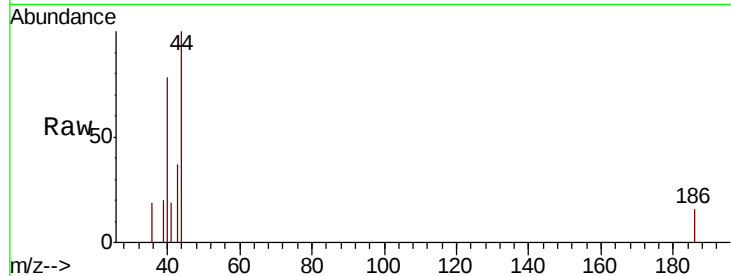
ClientSampled :

Tot Ion: 43 Resp: 496

Ion Ratio Lower Upper

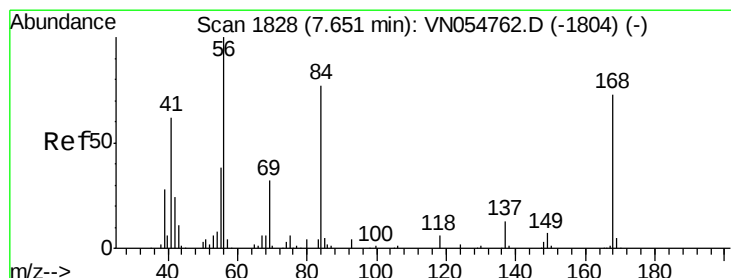
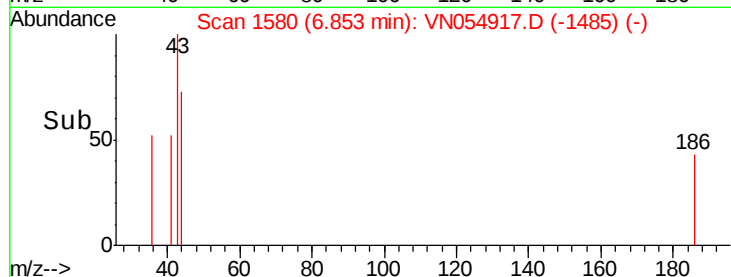
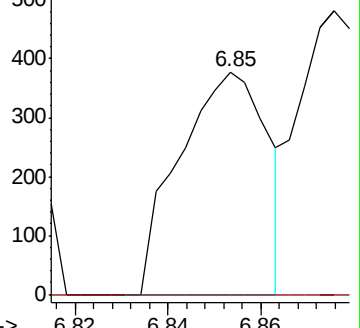
43 100

72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

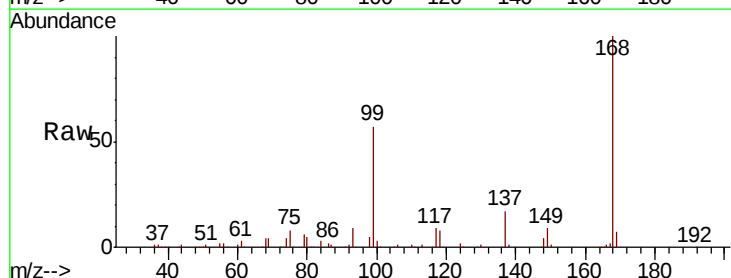
Tgt Ion: 56 Resp: 10358

Ion Ratio Lower Upper

56 100

69 161.0 27.8 41.6#

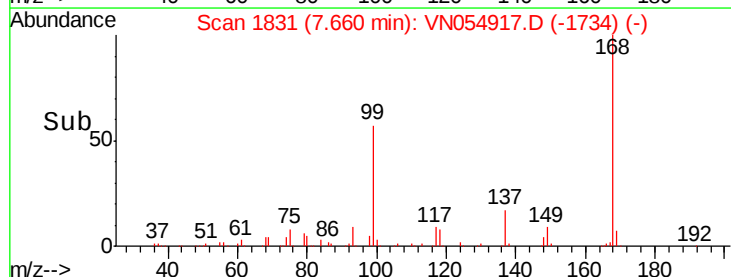
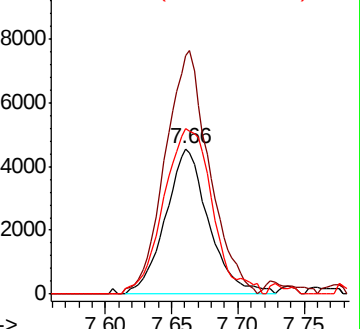
84 110.4 74.6 111.8

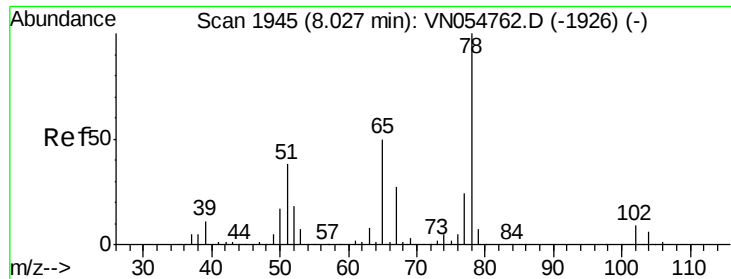


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

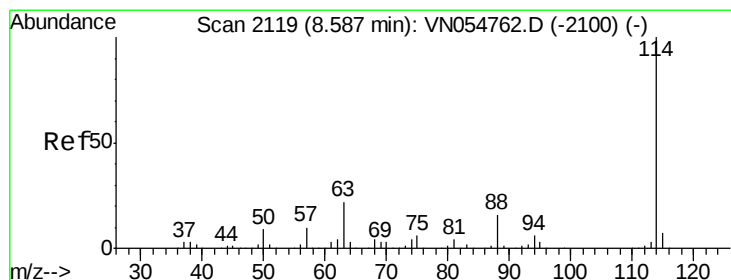
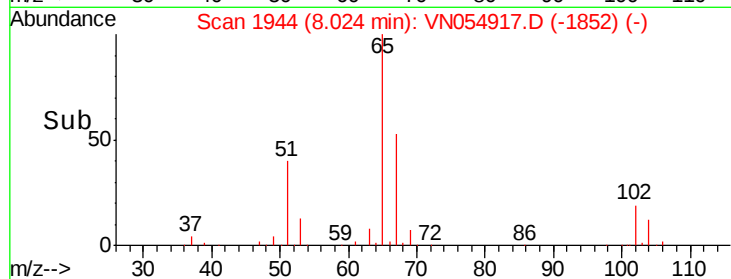
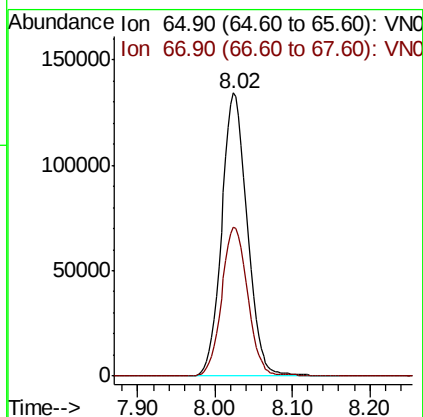
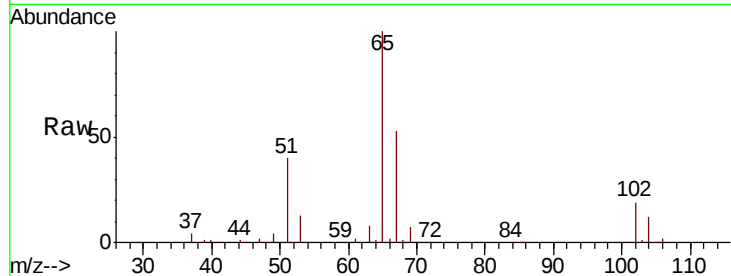




#33
 1,2-Dichloroethane-d4
 Concen: 48.301 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054917.D
 Acq: 3 Apr 2019 11:10

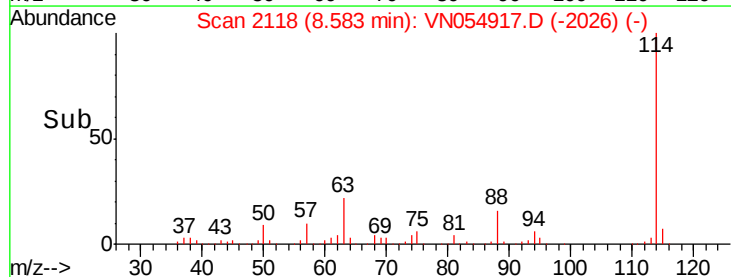
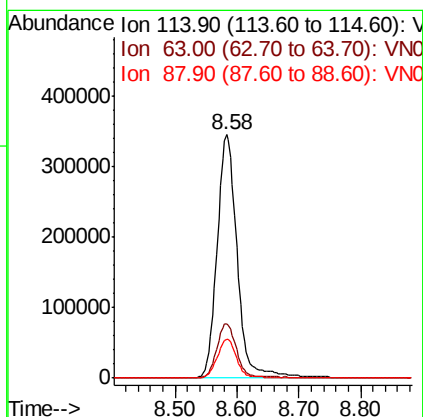
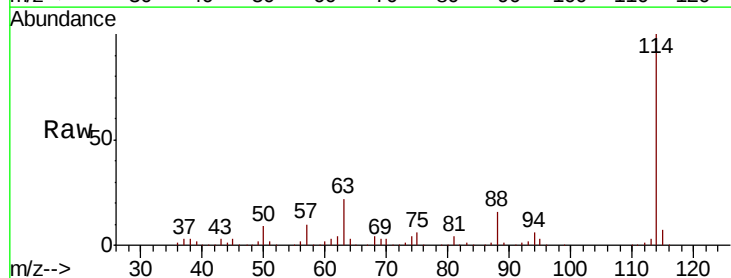
Instrument :
 MSVOA_N
 ClientSampleId :

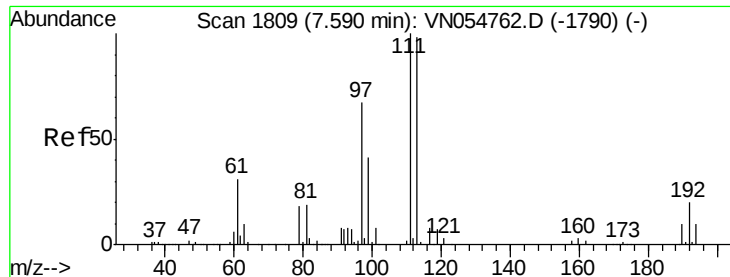
Tot Ion: 65 Resp: 308713
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054917.D
 Acq: 3 Apr 2019 11:10

Tgt Ion: 114 Resp: 784079
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 16.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.584 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampled :

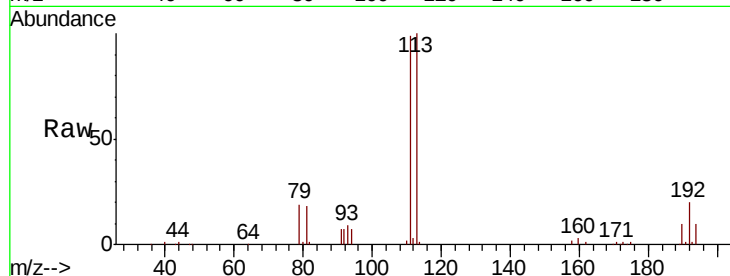
Tot Ion:113 Resp: 243513

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	20.4	19.2	28.8

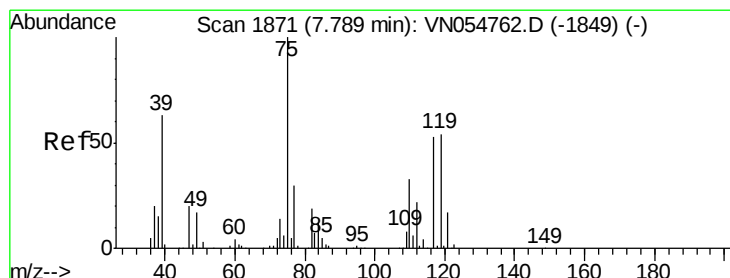
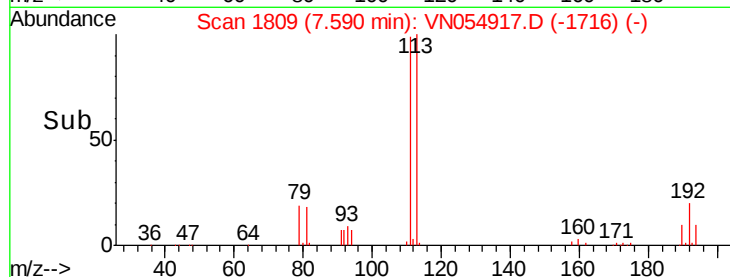
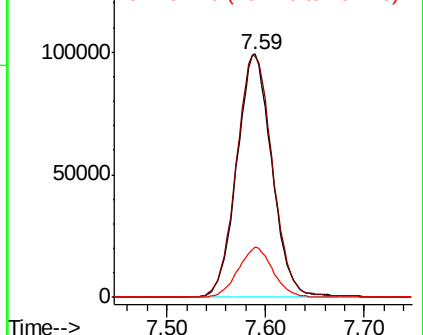
113 100

111 103.3 82.2 123.4

192 20.4 19.2 28.8



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: 4.928 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

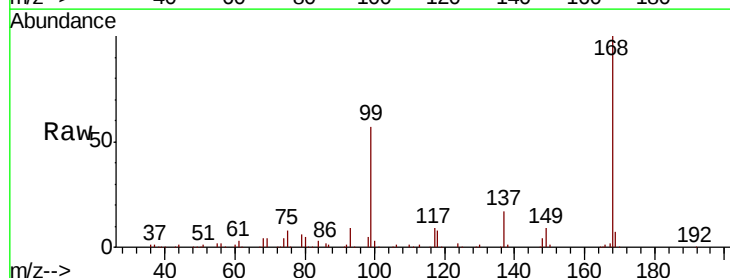
Tgt Ion: 75 Resp: 36006

Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#

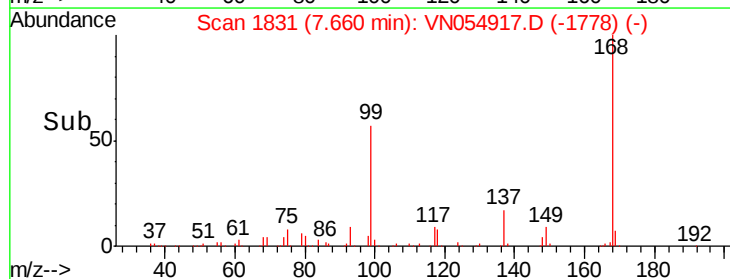
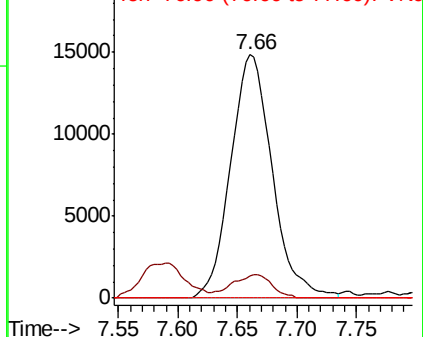
75 100

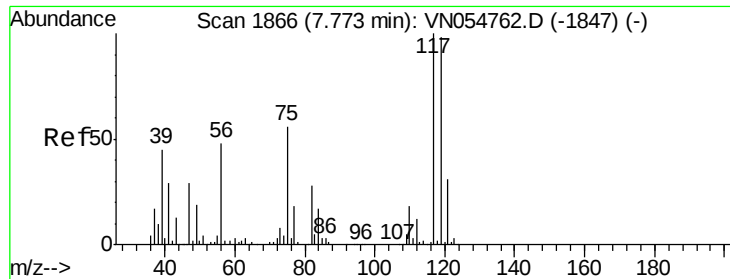
110 9.3 19.1 57.5#

77 0.0 25.0 37.4#



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: 5.989 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

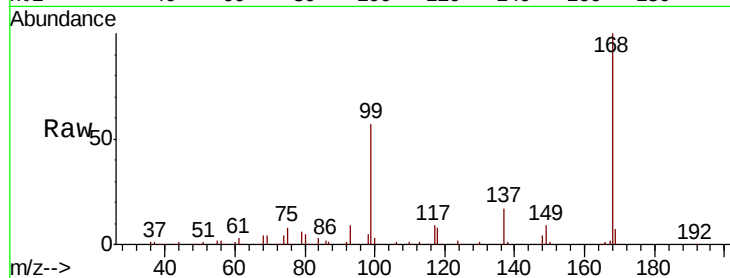
Tot Ion:117 Resp: 42498

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

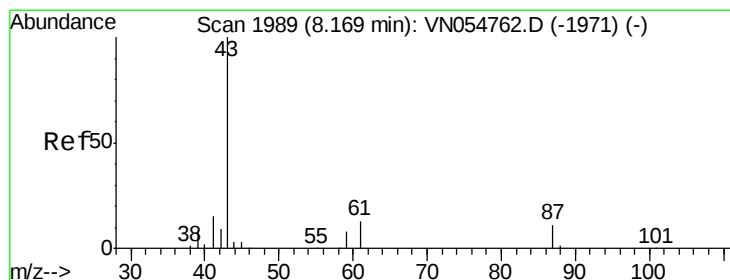
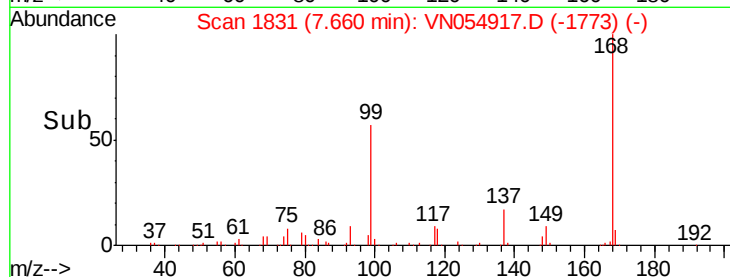
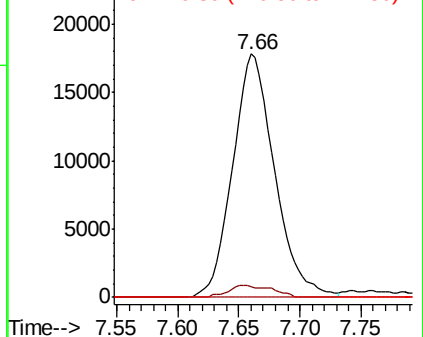
121 0.0 24.6 36.8#



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: 0.790 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

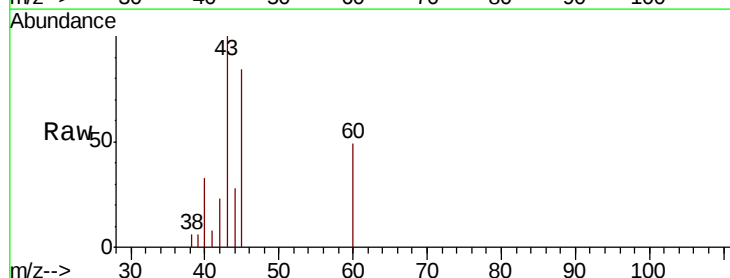
Tgt Ion: 43 Resp: 6881

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

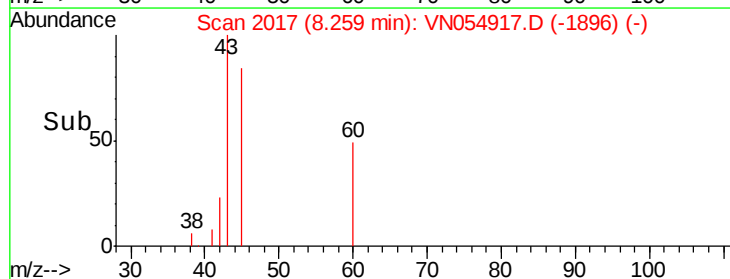
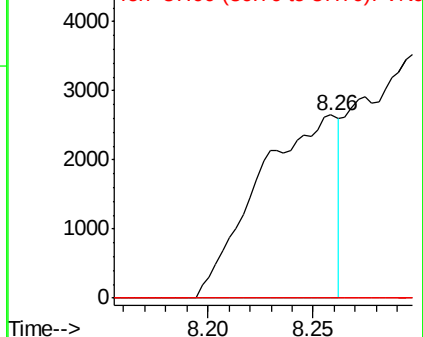
87 0.0 12.0 18.0#

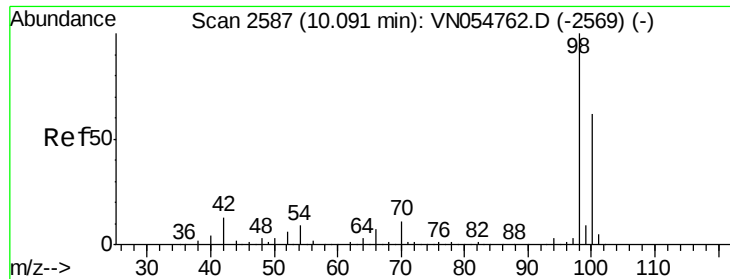


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.816 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

Instrument :

MSVOA_N

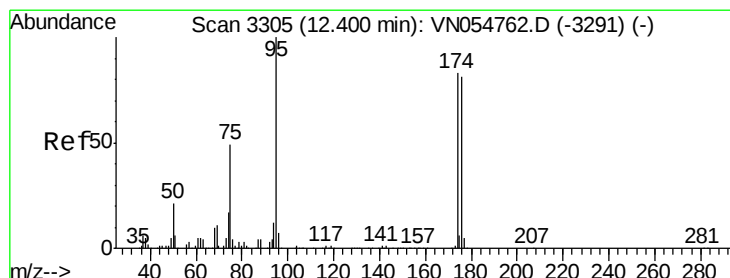
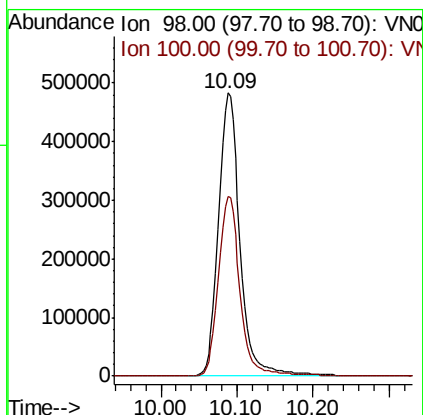
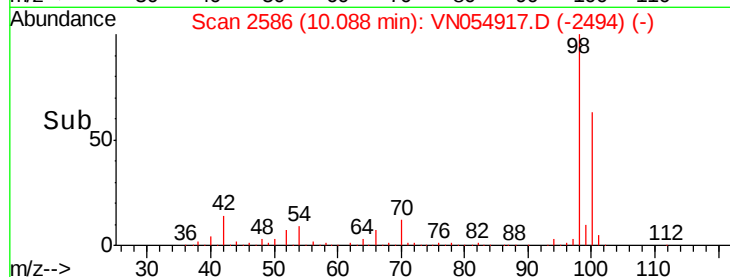
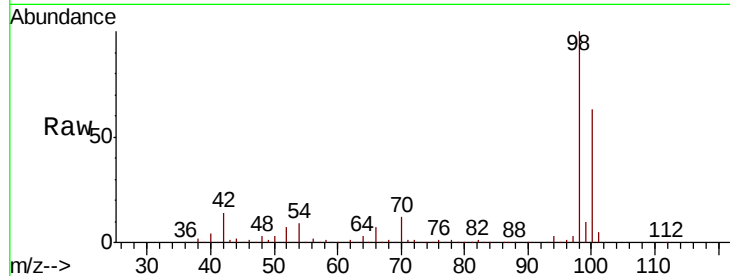
ClientSampled :

Tot Ion: 98 Resp: 948701

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.829 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

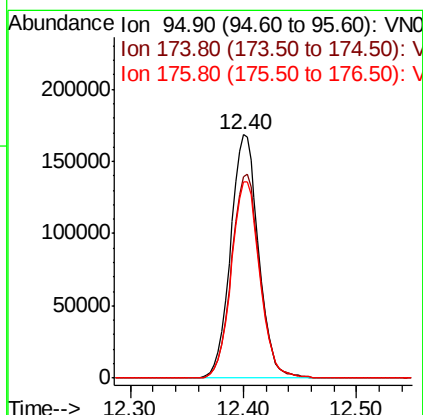
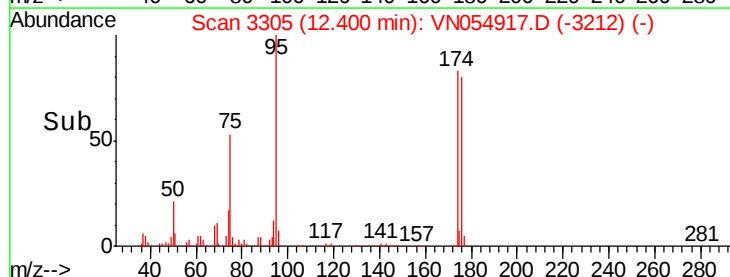
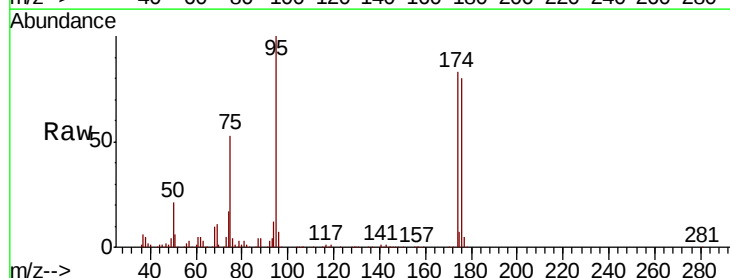
Tgt Ion: 95 Resp: 289746

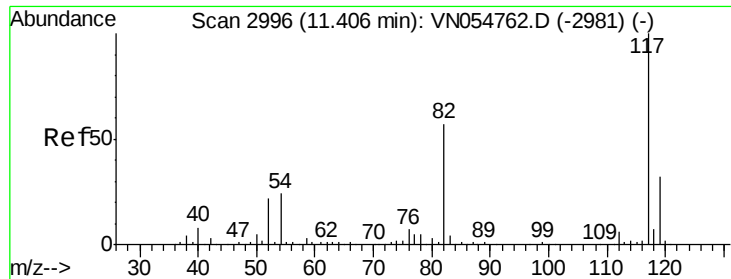
Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

176 82.2 0.0 187.4

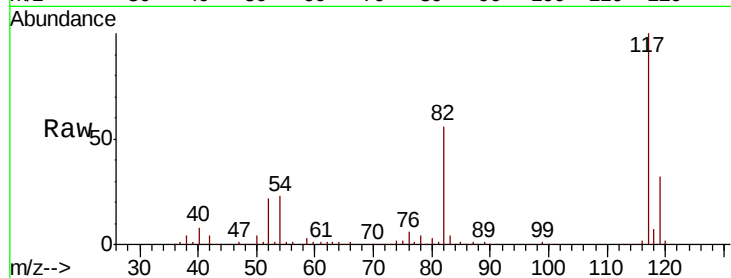




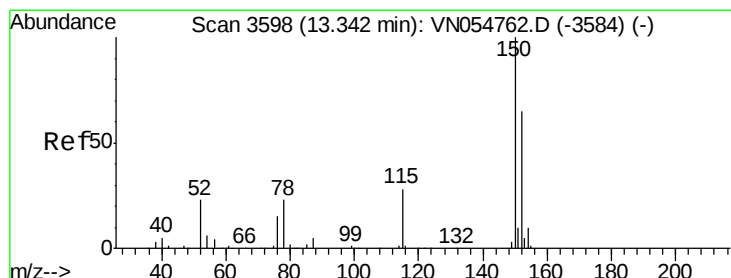
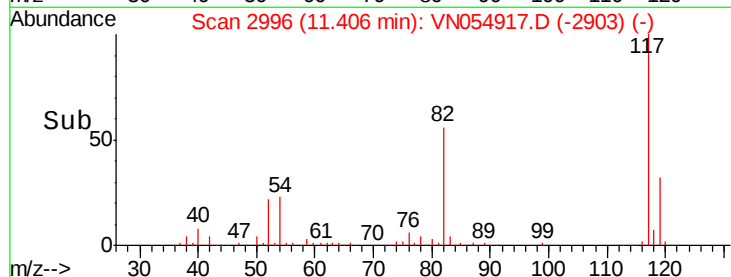
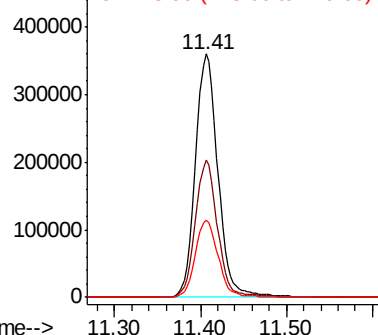
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054917.D
Acq: 3 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 659961
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.0 25.8 38.6

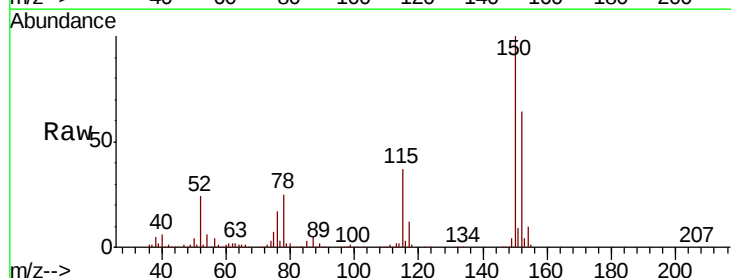


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

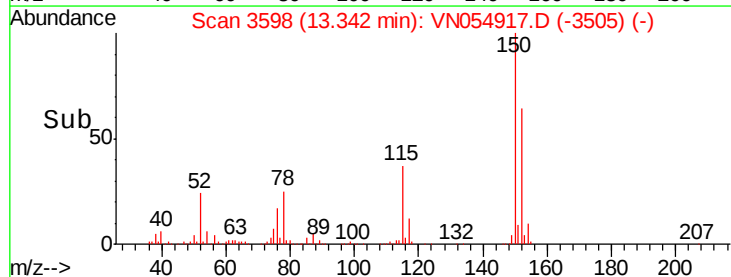
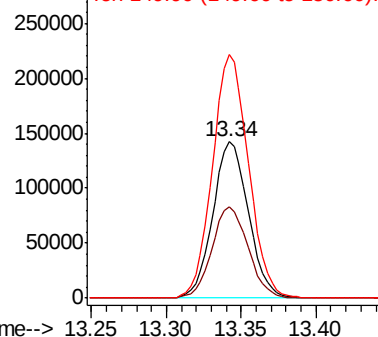


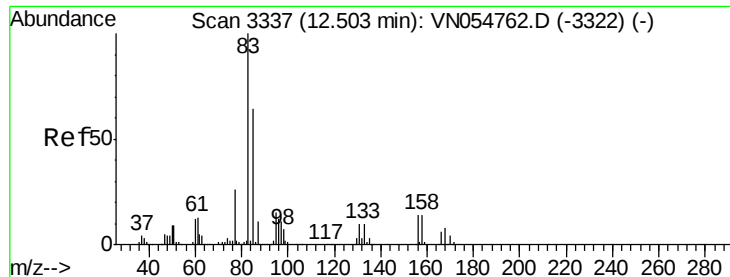
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054917.D
Acq: 3 Apr 2019 11:10

Tgt Ion:152 Resp: 235688
Ion Ratio Lower Upper
152 100
115 59.2 27.2 81.6
150 157.8 0.0 349.2



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN054917.D

Acq: 3 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

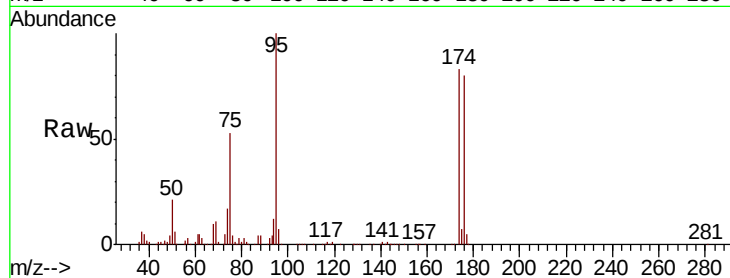
Tot Ion: 83 Resp: 175

Ion Ratio Lower Upper

83 100

131 192.0 5.8 17.4#

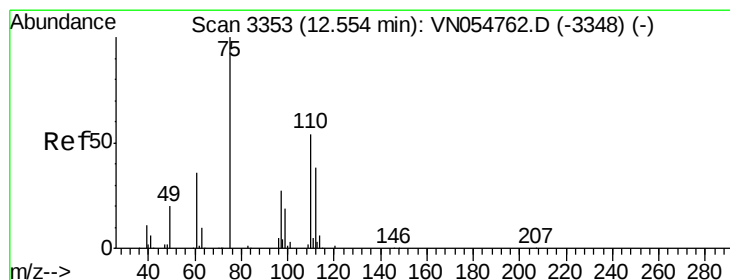
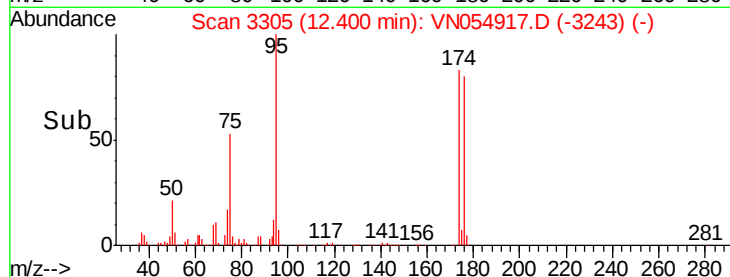
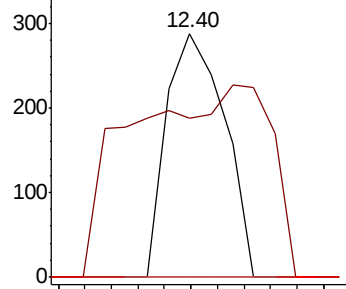
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 36.928 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054917.D

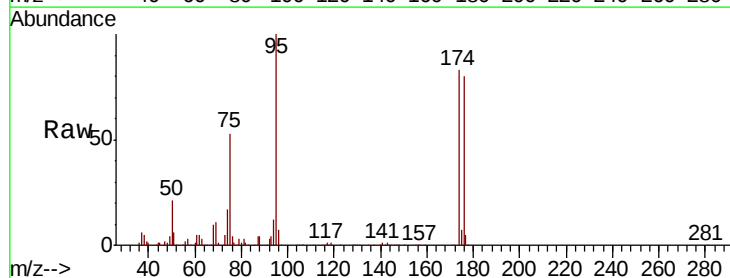
Acq: 3 Apr 2019 11:10

Tgt Ion: 75 Resp: 151198

Ion Ratio Lower Upper

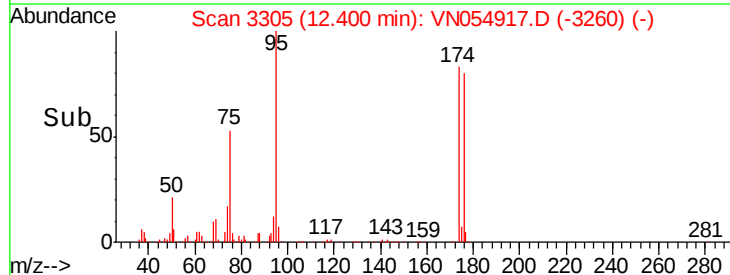
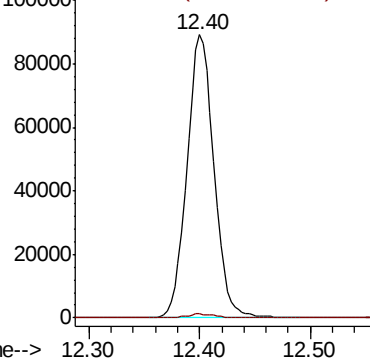
75 100

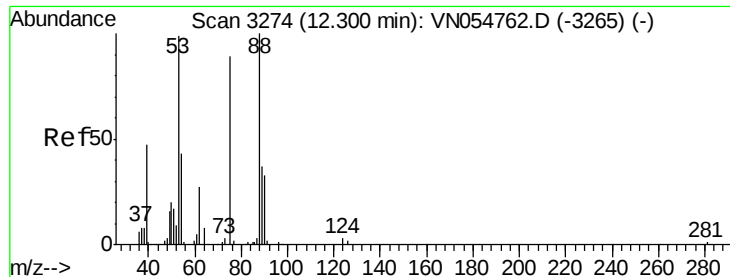
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

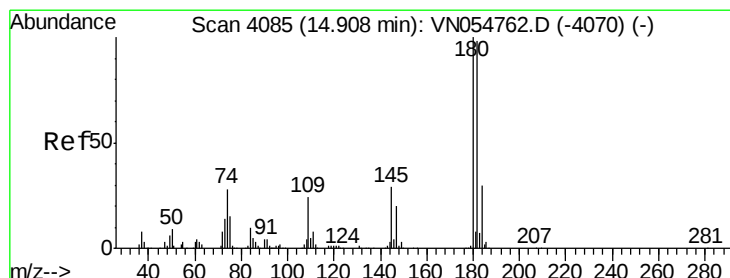
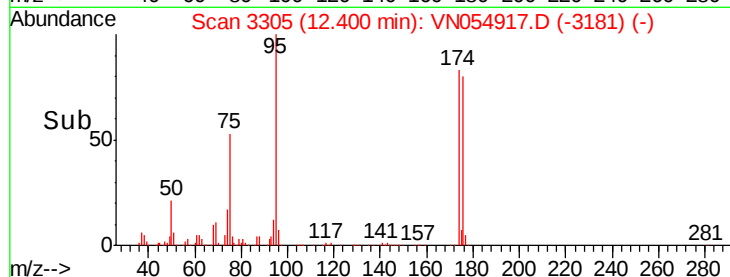
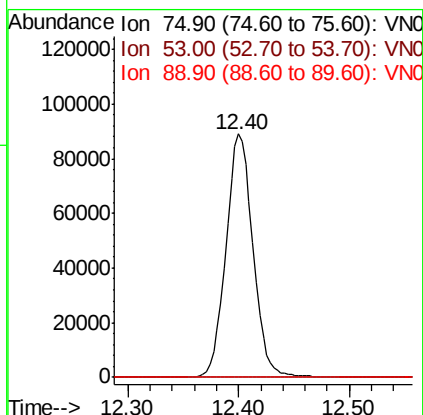
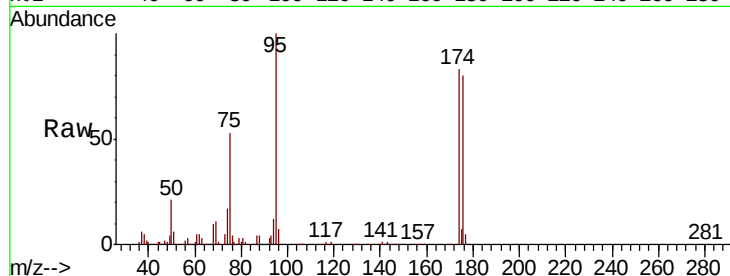




#81
trans-1,4-Dichloro-2-butene
Concen: 143.639 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054917.D
Acq: 3 Apr 2019 11:10

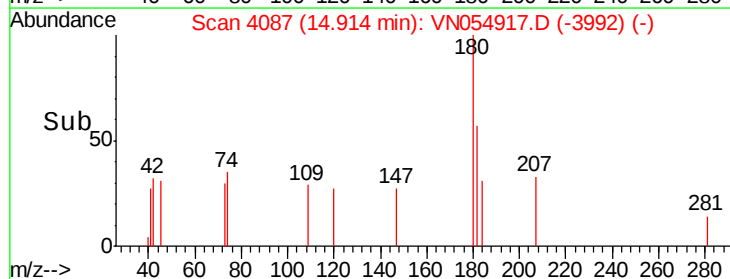
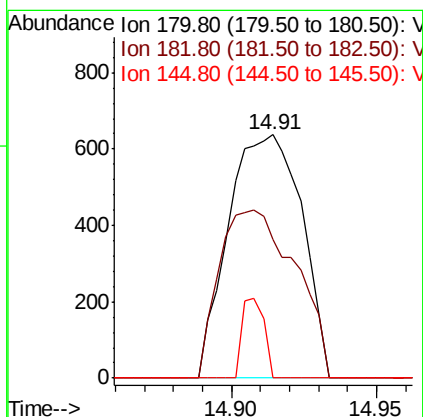
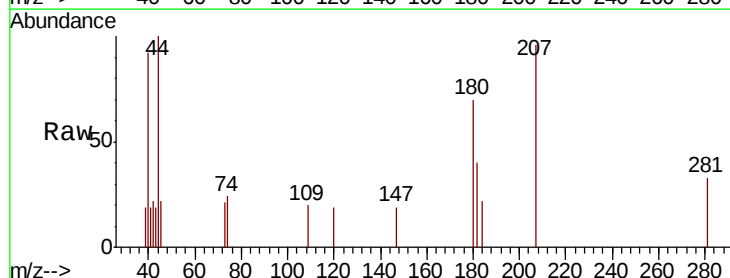
Instrument :
MSVOA_N
ClientSampleId :

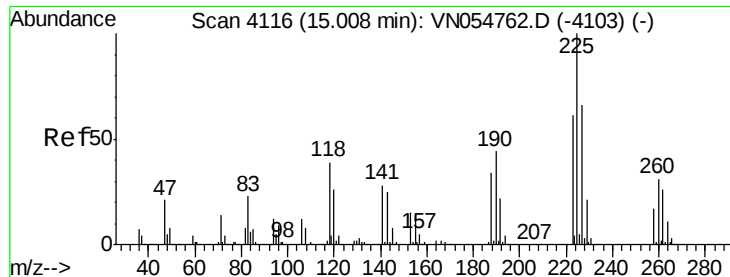
Tot Ion: 75 Resp: 151198
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.295 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN054917.D
Acq: 3 Apr 2019 11:10

Tgt Ion:180 Resp: 1119
Ion Ratio Lower Upper
180 100
182 71.9 48.0 144.2
145 9.7 14.2 42.8#

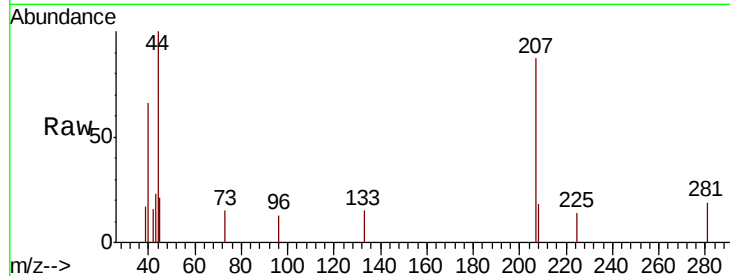




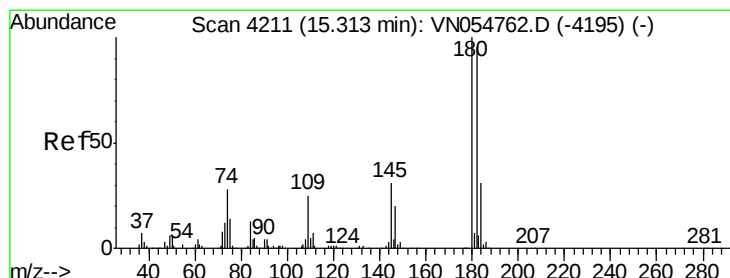
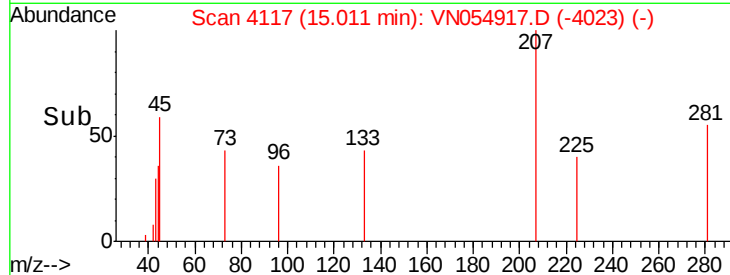
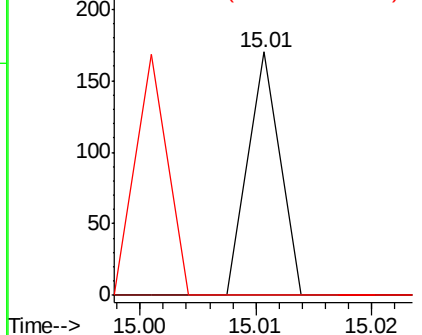
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054917.D
 Acq: 3 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.1	93.5#
227	97.0	31.9	95.9#

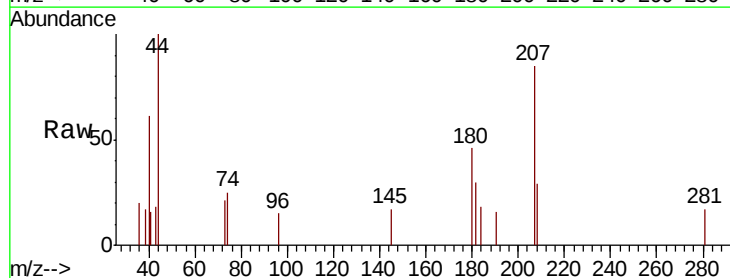


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



#96
 1,2,3-Trichlorobenzene
 Concen: 0.225 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054917.D
 Acq: 3 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.2	47.5	142.6
145	36.2	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

