

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054916.D
 Acq On : 3 Apr 2019 10:44
 Operator : JC/SP
 Sample : VN0403WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 04 01:09:49 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	510155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	850987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	720847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246139	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	338031	49.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.30%	
35) Dibromofluoromethane	7.59	113	268809	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
50) Toluene-d8	10.09	98	1021663	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.40	95	310974	44.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.66%	

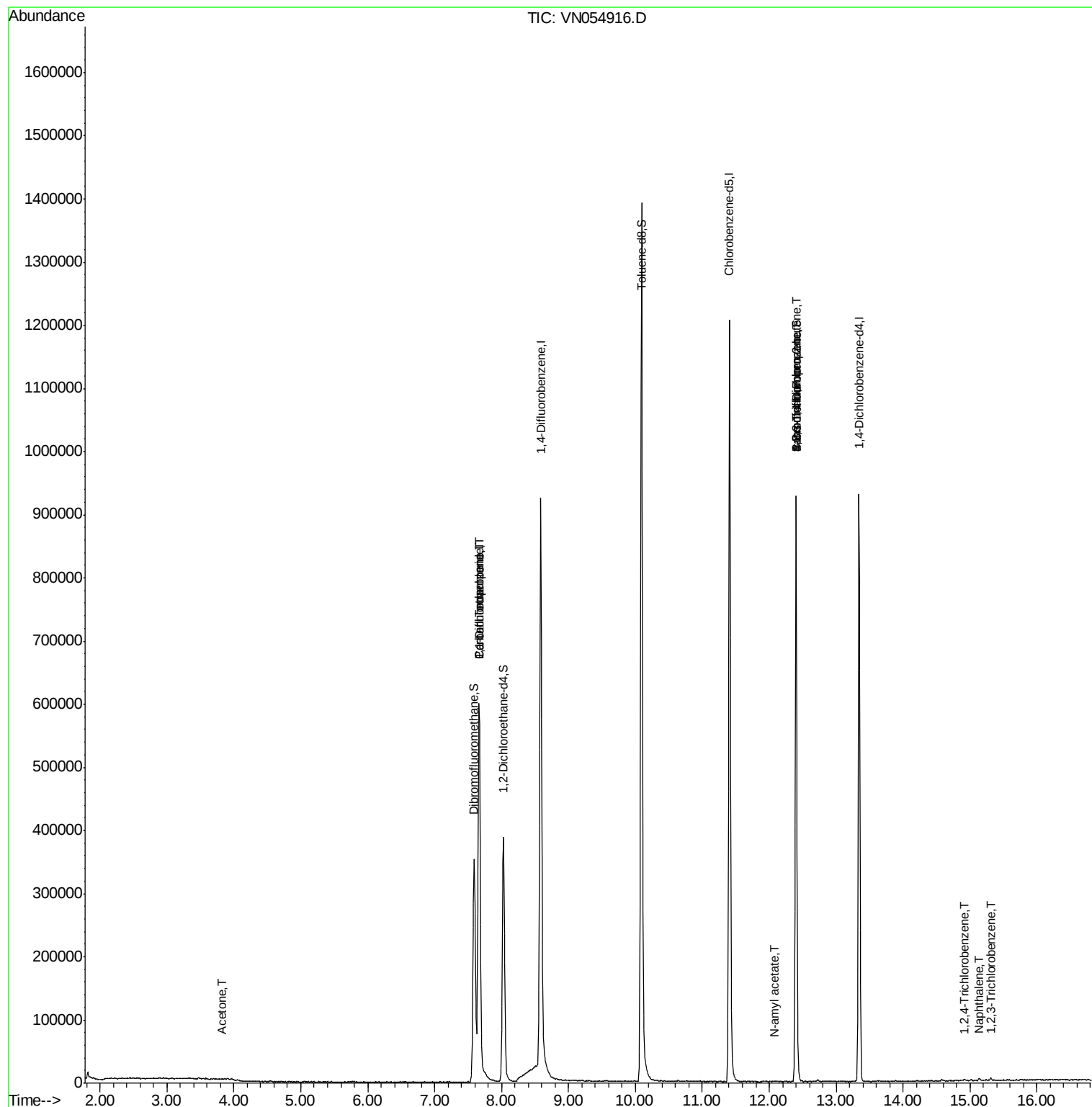
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	214	Below Cal	#	2
16) Acetone	3.82	43	524	0.320	ug/l #	38
18) Methyl Acetate	4.33	43	1064	Below Cal	#	60
31) Cyclohexane	7.66	56	11244	Below Cal	#	31
36) 1,1-Dichloropropene	7.67	75	40107	5.058	ug/l #	48
38) Carbon Tetrachloride	7.66	117	48651	6.317	ug/l #	16
71) Bromoform	12.40	173	2712	0.876	ug/l #	1
74) N-amyl acetate	12.07	43	1457	0.232	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.41	83	126	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	161166	37.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	161166	146.608	ug/l #	11
83) tert-Butylbenzene	12.99	119	255	Below Cal	#	46
93) 1,2,4-Trichlorobenzene	14.90	180	931	0.235	ug/l	90
94) Hexachlorobutadiene	15.00	225	271	Below Cal	#	53
95) Naphthalene	15.14	128	2874	0.324	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.31	180	1089	0.273	ug/l	89

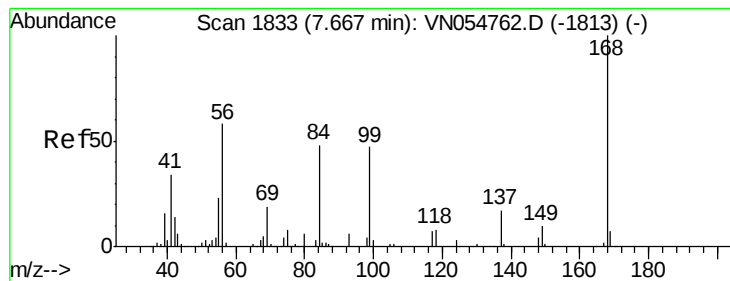
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
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: VN054916.D

Acq: 3 Apr 2019 10:44

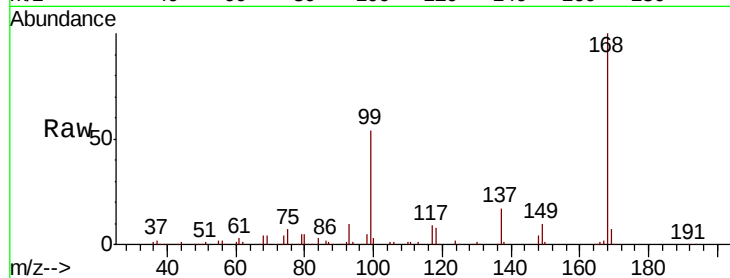
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 510155

Ion Ratio Lower Upper

168 100

99 53.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

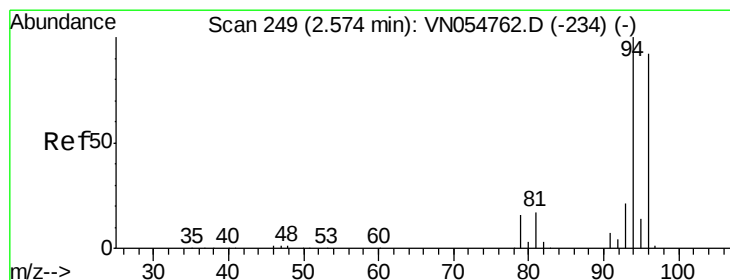
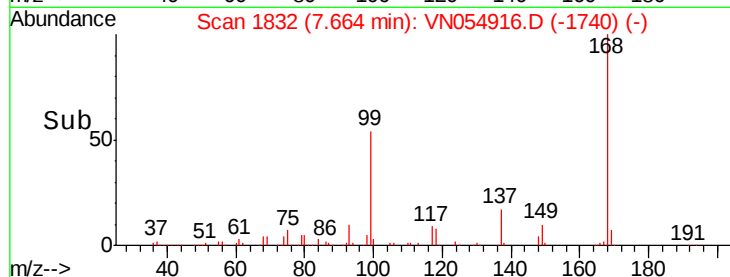
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054916.D

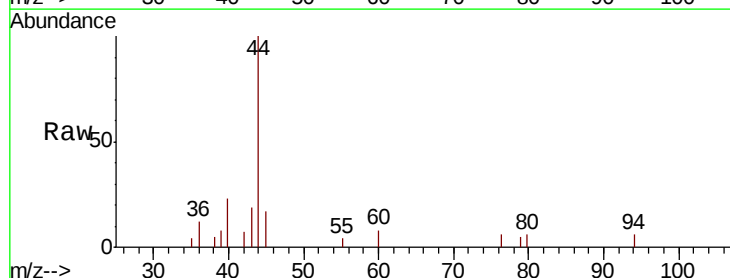
Acq: 3 Apr 2019 10:44

Tgt Ion: 94 Resp: 214

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VN

2.57

250

200

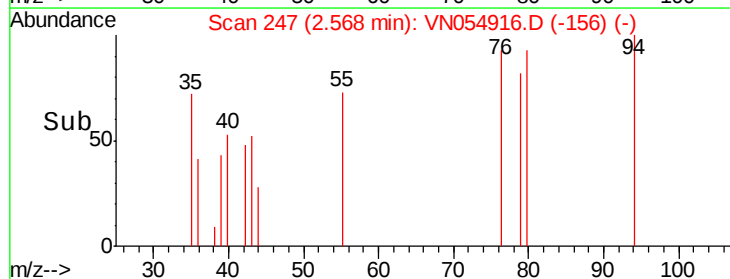
150

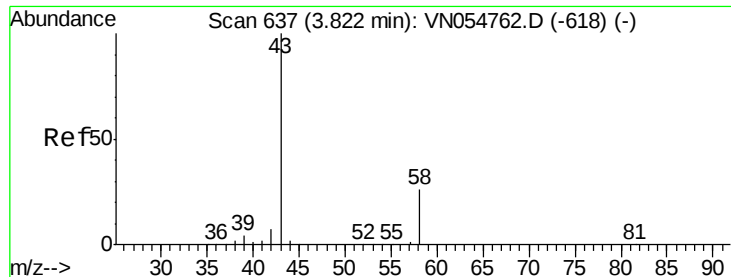
100

50

0

Time-->





#16

Acetone

Concen: 0.320 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

Instrument :

MSVOA_N

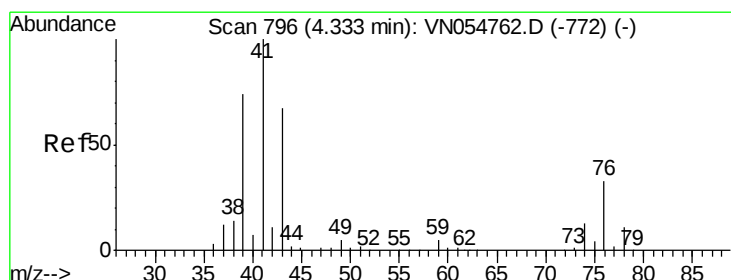
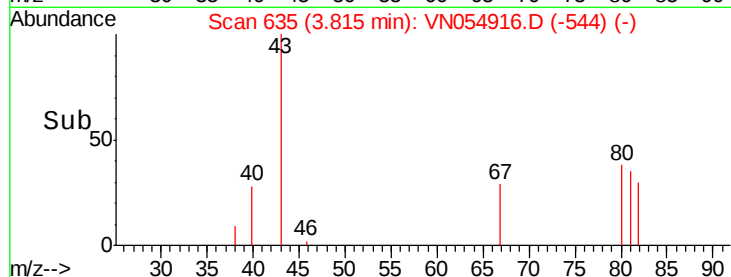
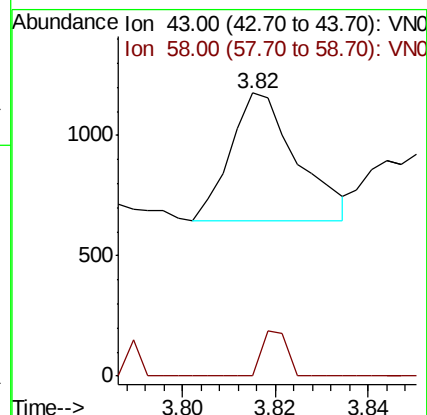
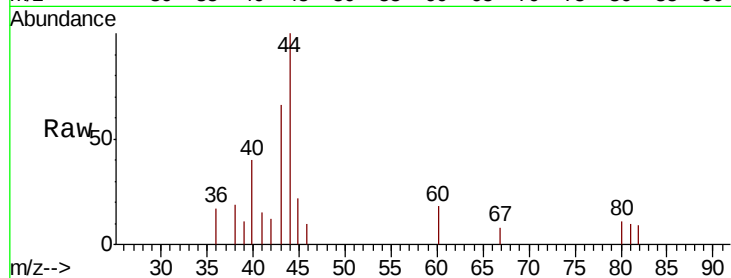
ClientSampled :

Tot Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. -0.01 min

Lab File: VN054916.D

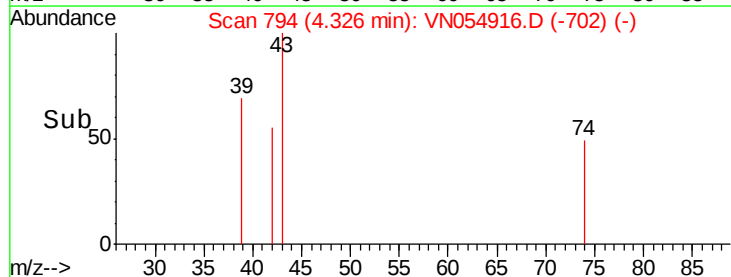
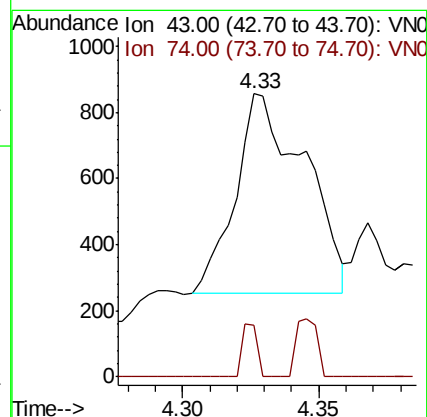
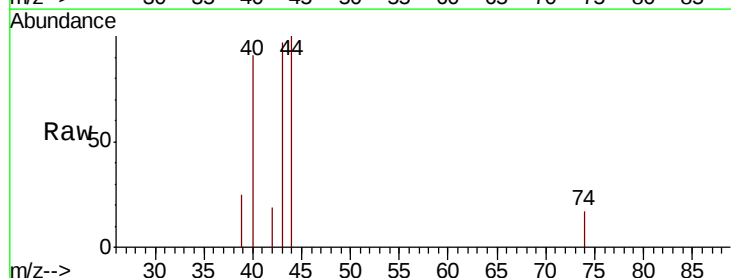
Acq: 3 Apr 2019 10:44

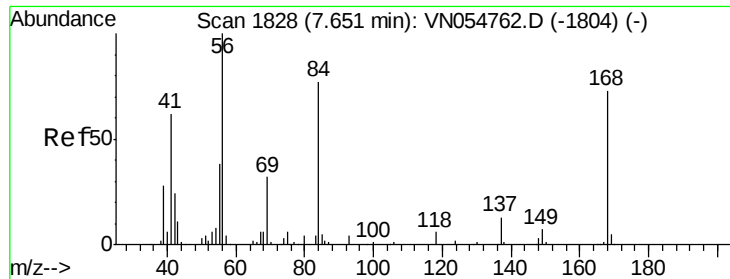
Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

74 5.7 20.8 31.2#

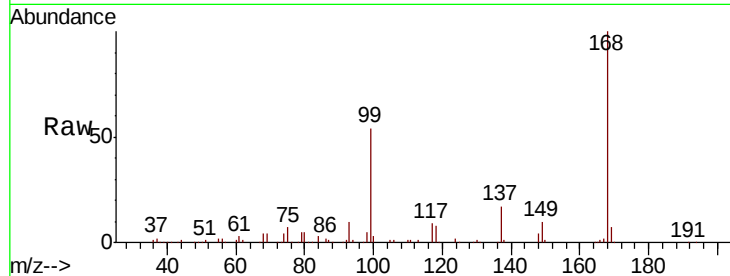




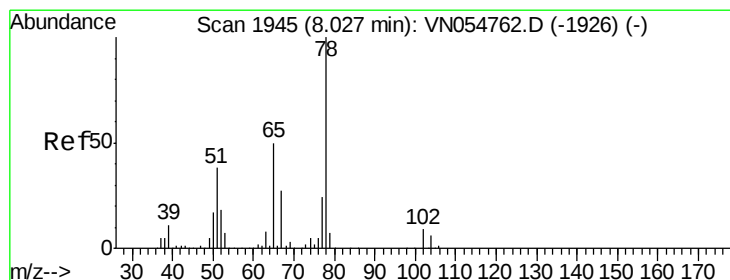
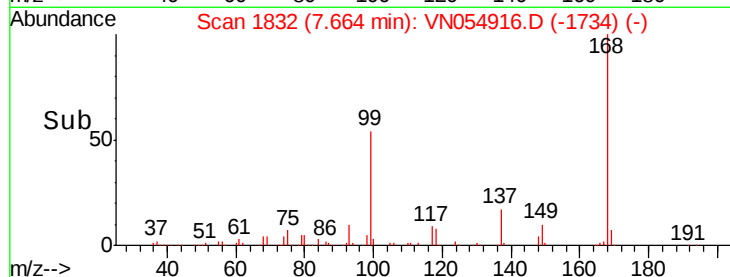
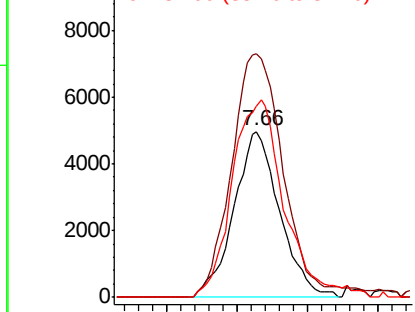
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054916.D
Acq: 3 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 11244
Ion Ratio Lower Upper
56 100
69 146.7 27.8 41.6#
84 115.2 74.6 111.8#

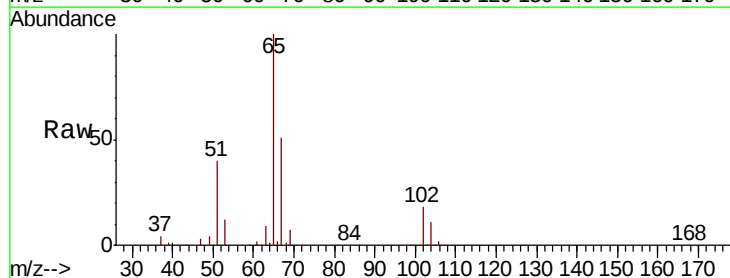


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

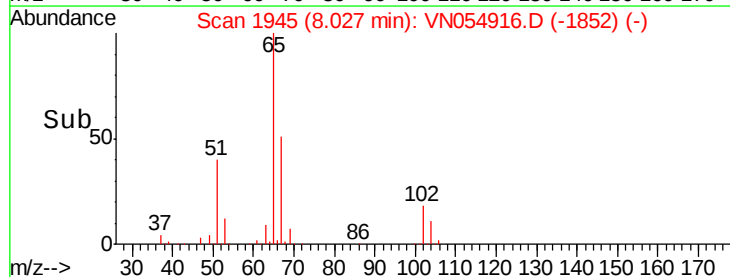
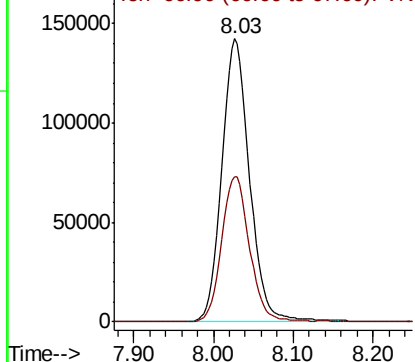


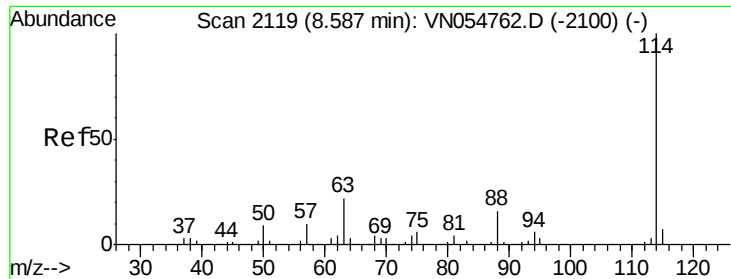
#33
1,2-Dichloroethane-d4
Concen: 49.154 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN054916.D
Acq: 3 Apr 2019 10:44

Tgt Ion: 65 Resp: 338031
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6



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

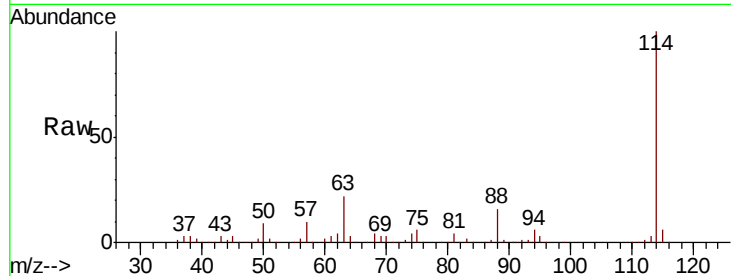




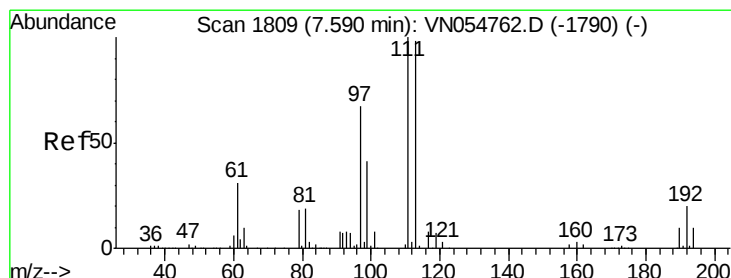
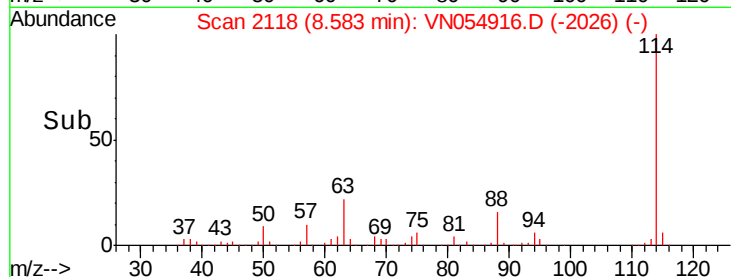
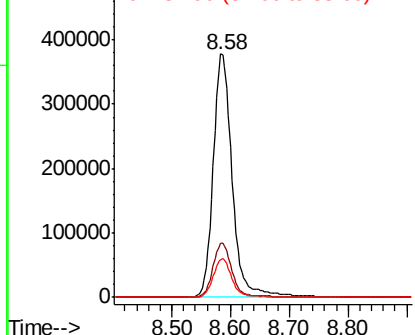
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054916.D
 Acq: 3 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 850987
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.7 0.0 30.2

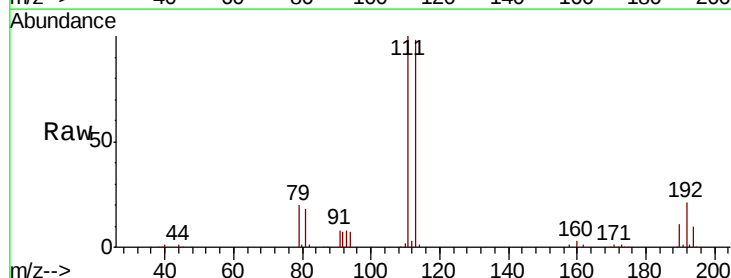


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

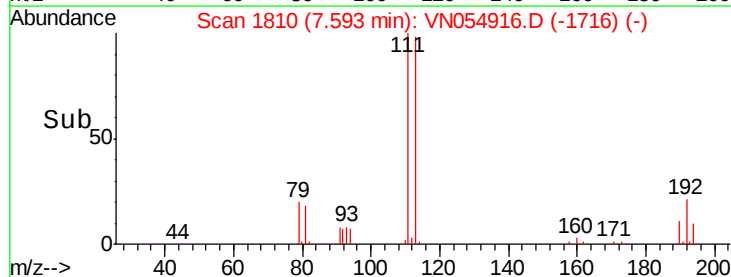
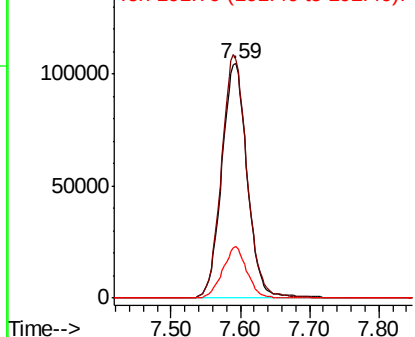


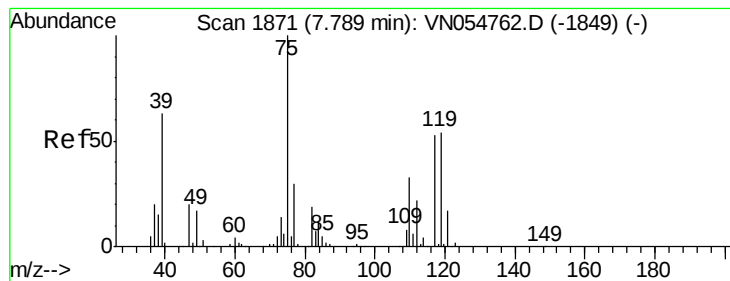
#35
 Dibromofluoromethane
 Concen: 47.380 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054916.D
 Acq: 3 Apr 2019 10:44

Tgt Ion:113 Resp: 268809
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 20.7 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: 5.058 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

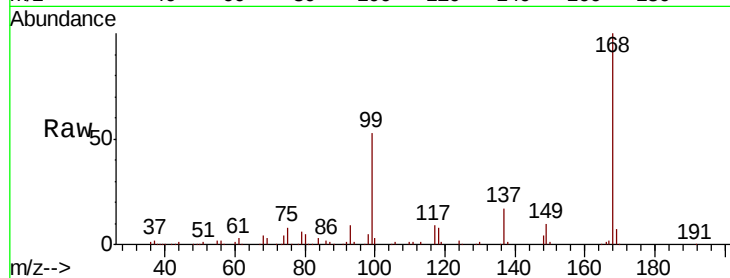
Tot Ion: 75 Resp: 40107

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN054916.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054916.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054916.D (-1778) (-)

7.67

15000

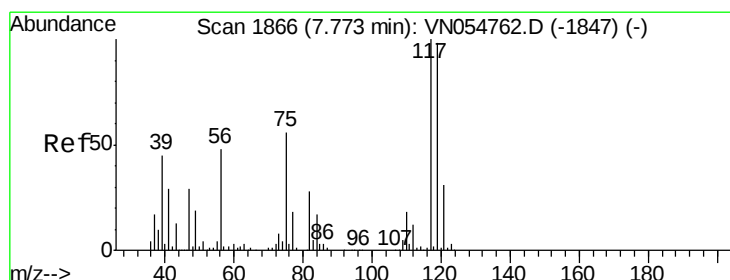
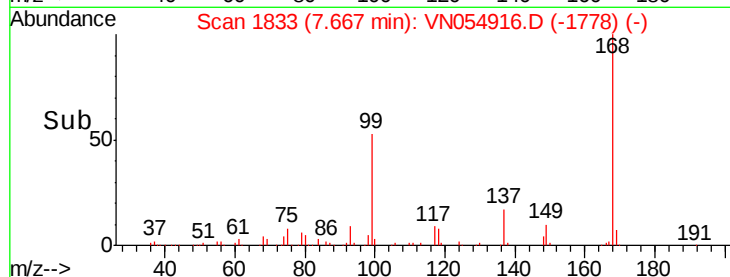
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#38

Carbon Tetrachloride

Concen: 6.317 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

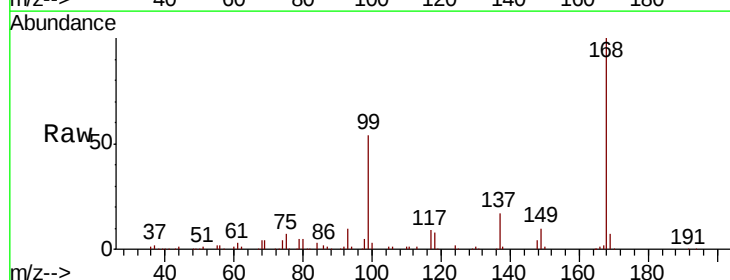
Tgt Ion: 117 Resp: 48651

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN054916.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054916.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054916.D (-1773) (-)

7.66

25000

20000

15000

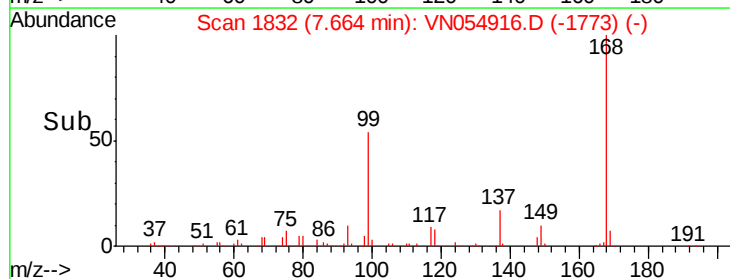
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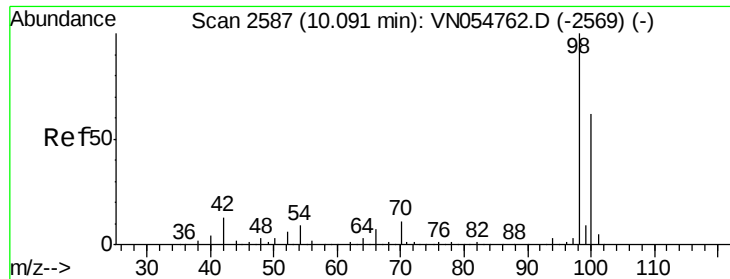
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#50

Toluene-d8

Concen: 48.437 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

Instrument :

MSVOA_N

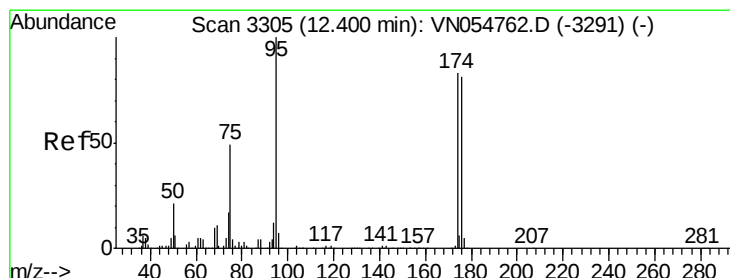
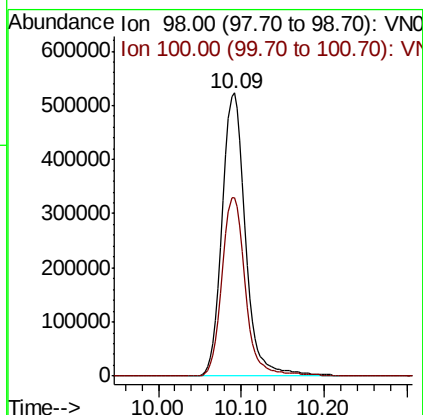
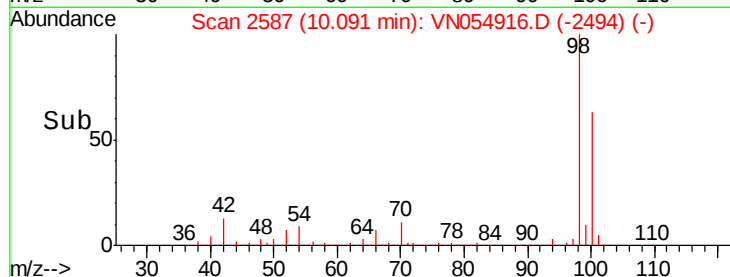
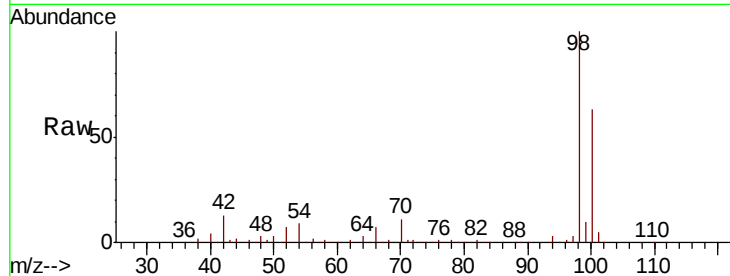
ClientSampled :

Tot Ion: 98 Resp: 1021663

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.330 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

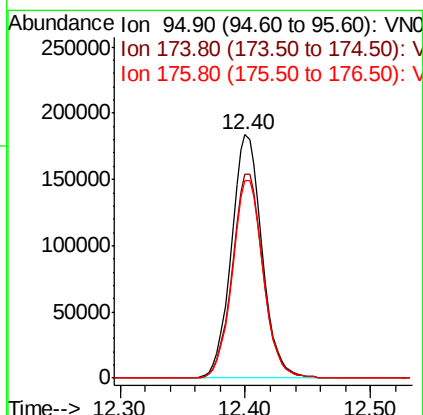
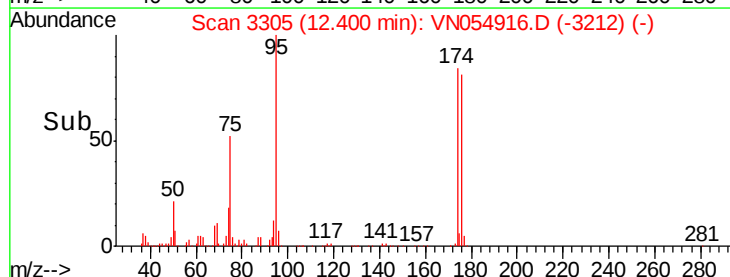
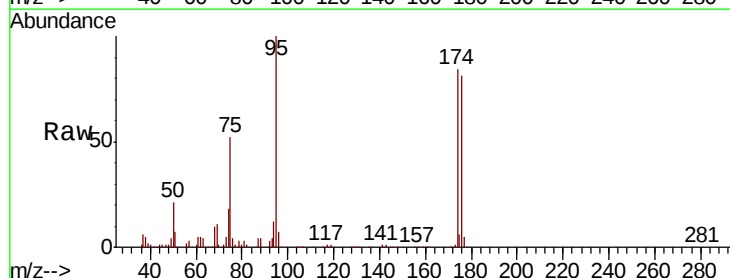
Tgt Ion: 95 Resp: 310974

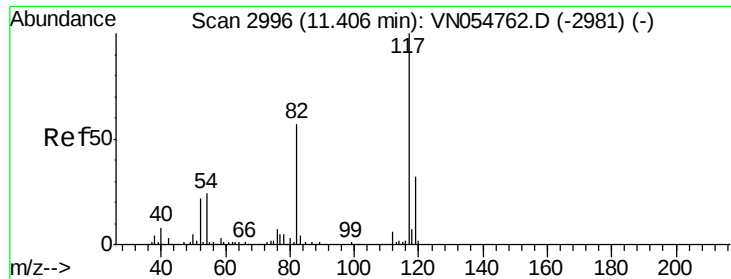
Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

176 82.1 0.0 187.4

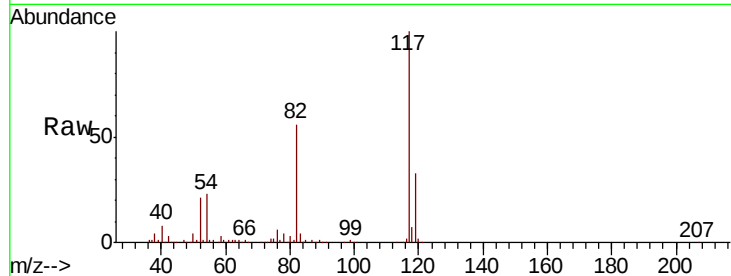




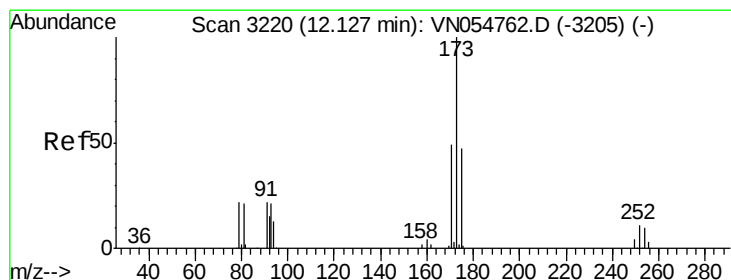
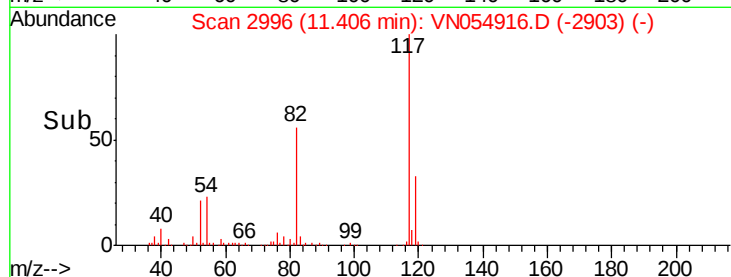
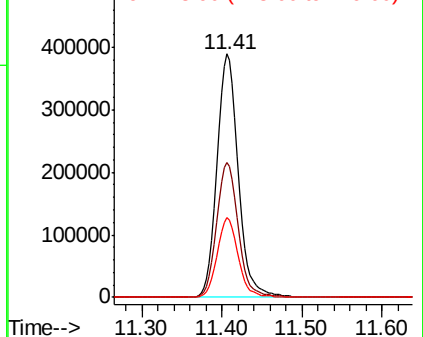
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054916.D
Acq: 3 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 720847
Ion Ratio Lower Upper
117 100
82 55.6 40.0 60.0
119 32.6 25.8 38.6

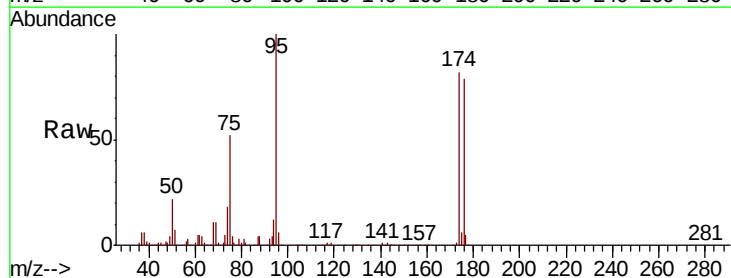


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

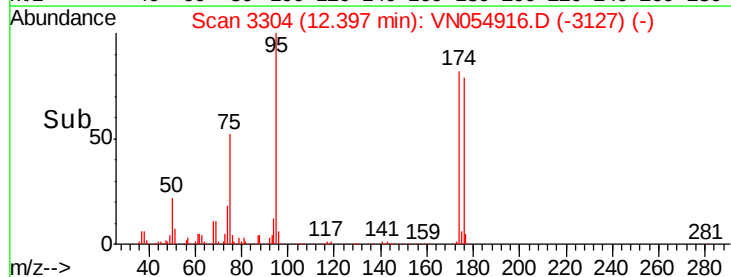
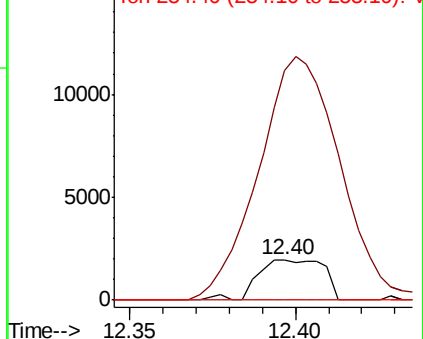


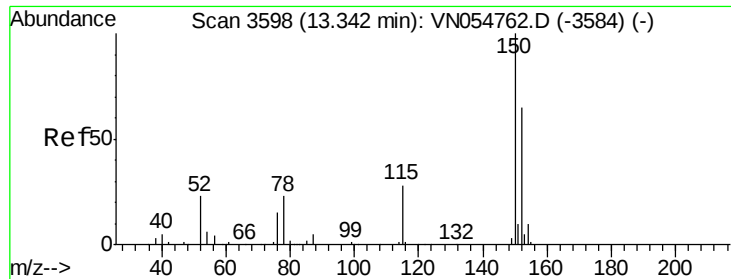
#71
Bromoform
Concen: 0.876 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054916.D
Acq: 3 Apr 2019 10:44

Tgt Ion:173 Resp: 2712
Ion Ratio Lower Upper
173 100
175 652.0 24.4 73.2#
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: VN054916.D

Acq: 3 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

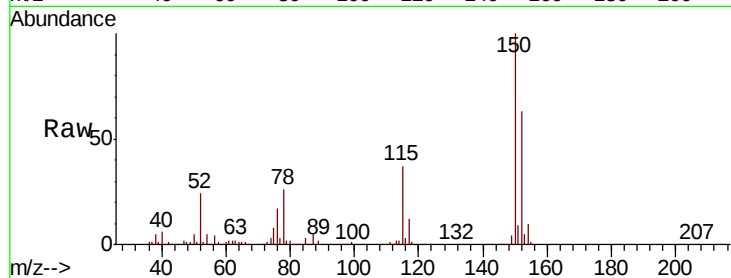
Tot Ion:152 Resp: 246139

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

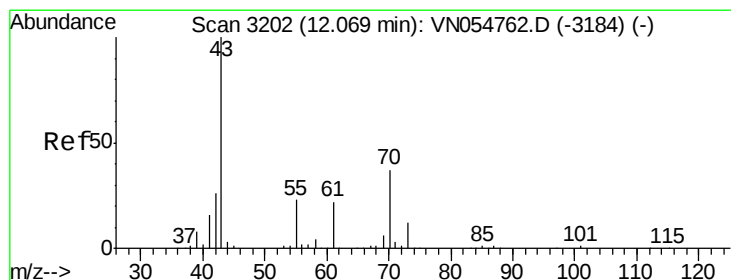
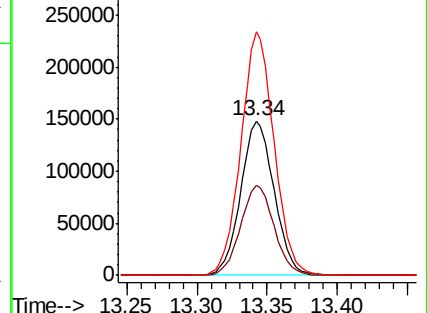
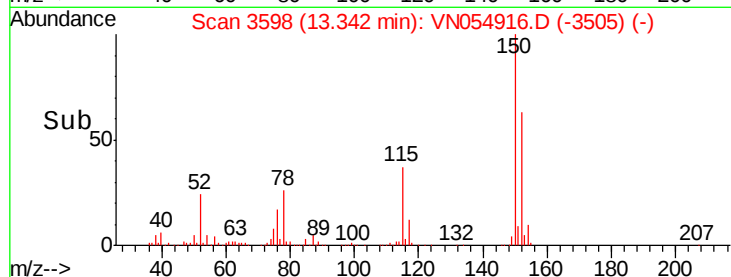
150 156.3 0.0 349.2



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



#74

N-ethyl acetate

Concen: 0.232 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

Tgt Ion: 43 Resp: 1457

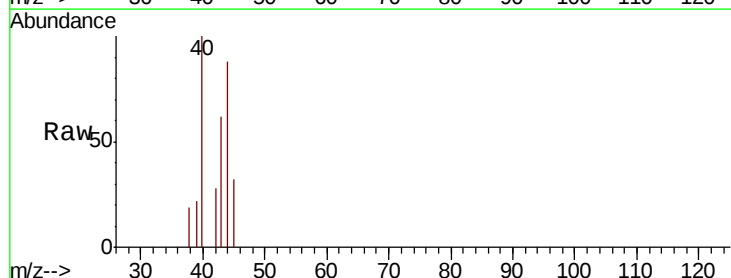
Ion Ratio Lower Upper

43 100

70 6.5 35.4 53.0#

55 6.3 19.8 29.6#

61 0.0 19.8 29.6#

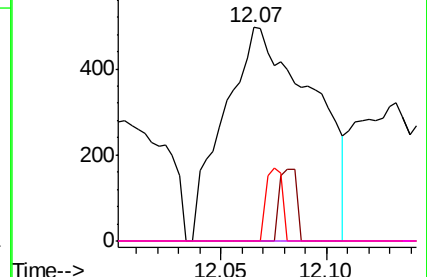
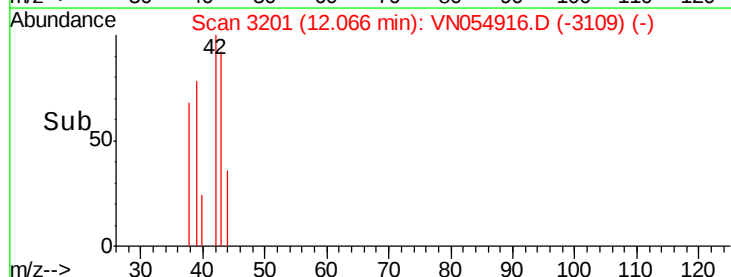


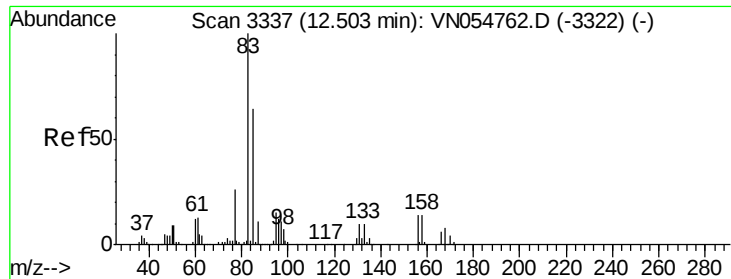
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

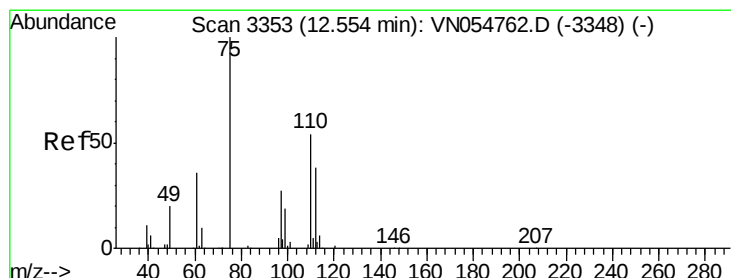
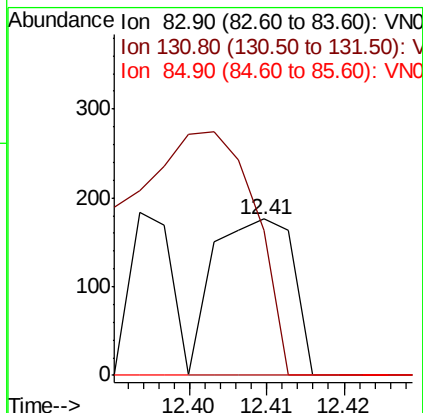
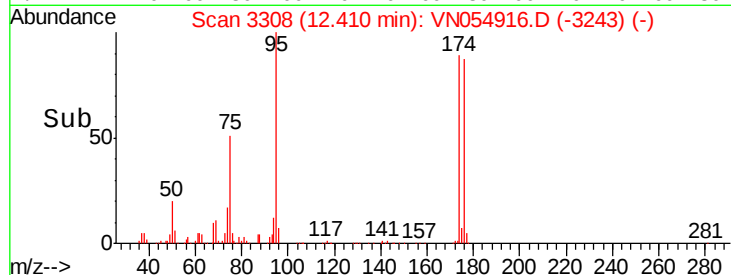
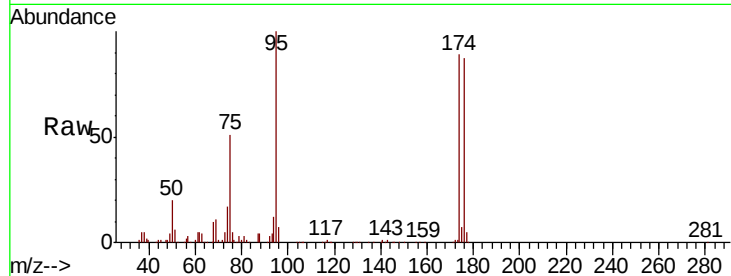
Tot Ion: 83 Resp: 126

Ion Ratio Lower Upper

83 100

131 267.5 5.8 17.4#

85 0.0 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 37.691 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054916.D

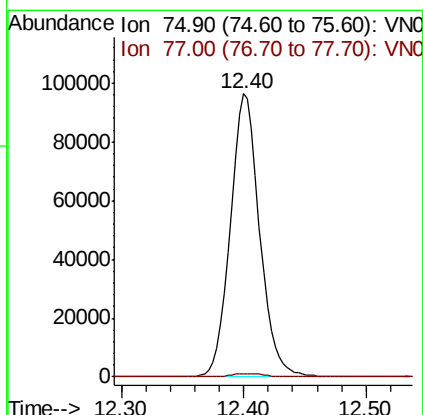
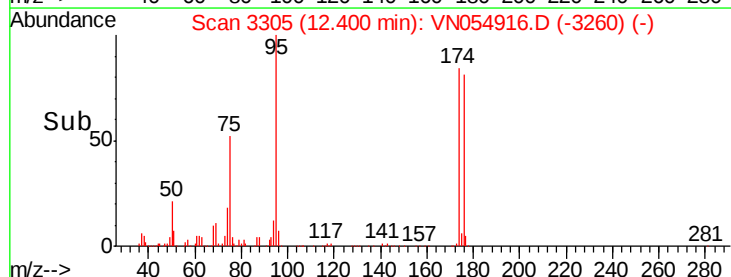
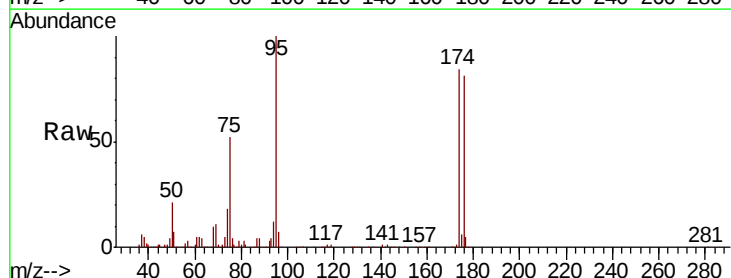
Acq: 3 Apr 2019 10:44

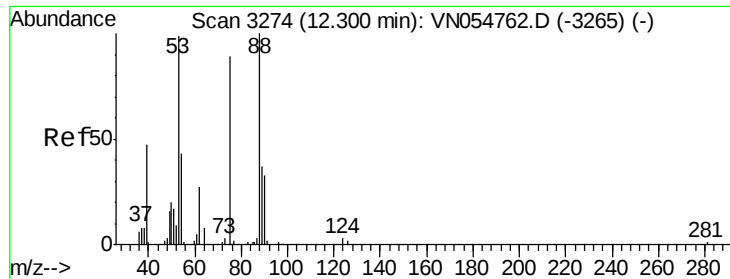
Tgt Ion: 75 Resp: 161166

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.608 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

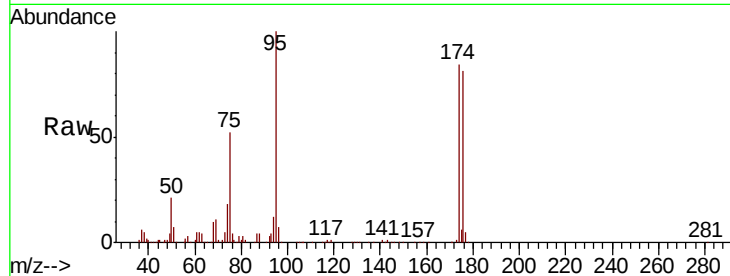
Tot Ion: 75 Resp: 161166

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

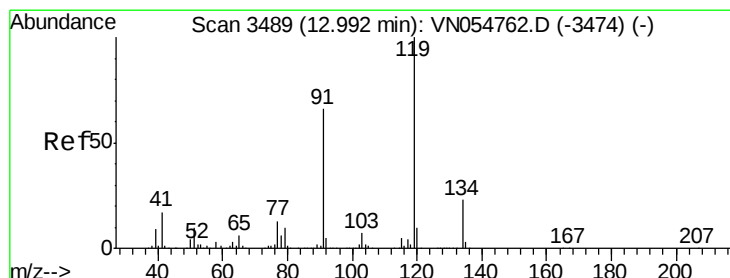
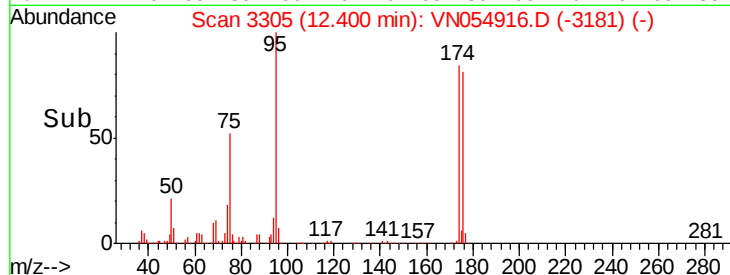
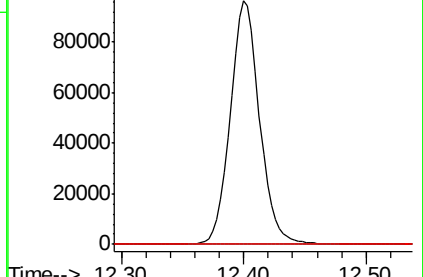


Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN054762.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN054762.D (-3265) (-)

12.40



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

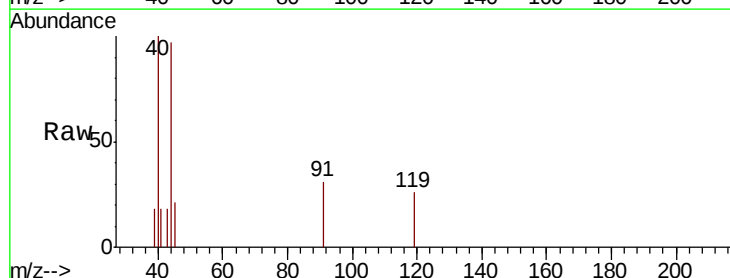
Tgt Ion: 119 Resp: 255

Ion Ratio Lower Upper

119 100

91 103.9 30.9 92.8#

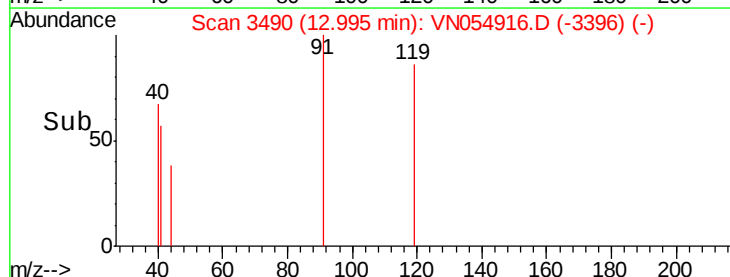
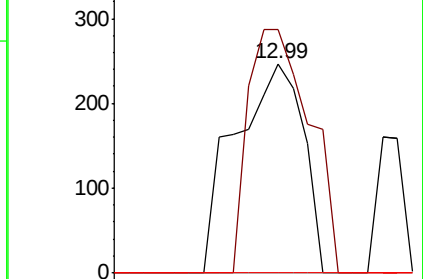
134 0.0 13.2 39.6#

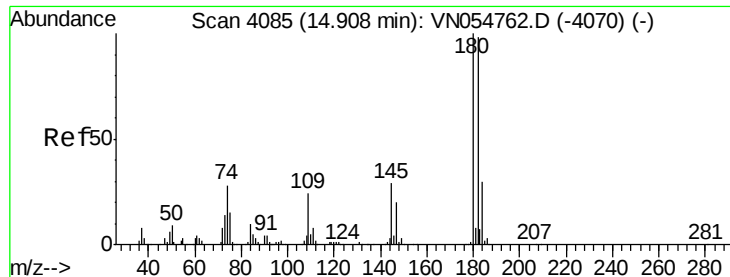


Abundance Ion 119.00 (118.70 to 119.70): VN054762.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3474) (-)

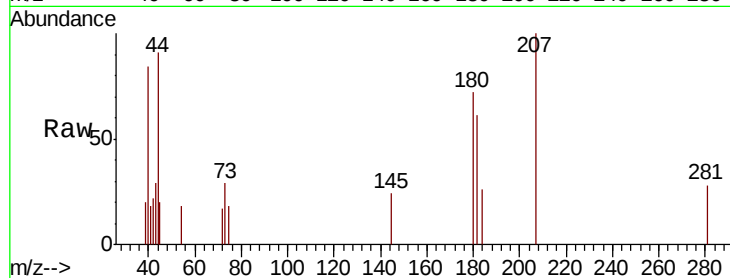




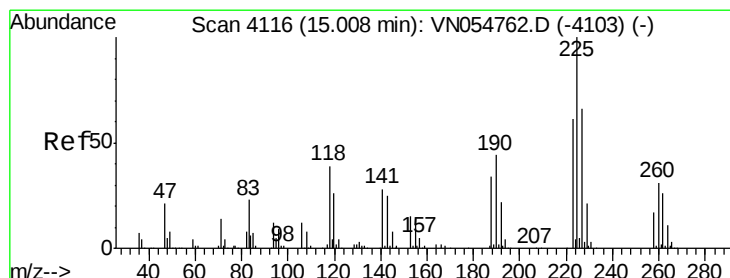
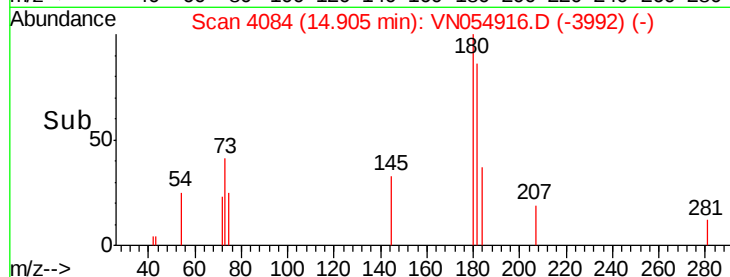
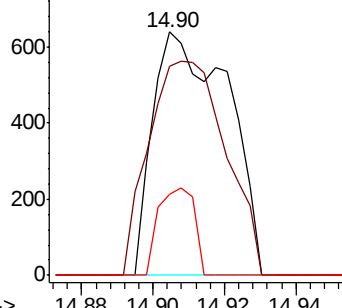
#93
 1,2,4-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054916.D
 Acq: 3 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 931
 Ion Ratio Lower Upper
 180 100
 182 90.1 48.0 144.2
 145 17.2 14.2 42.8

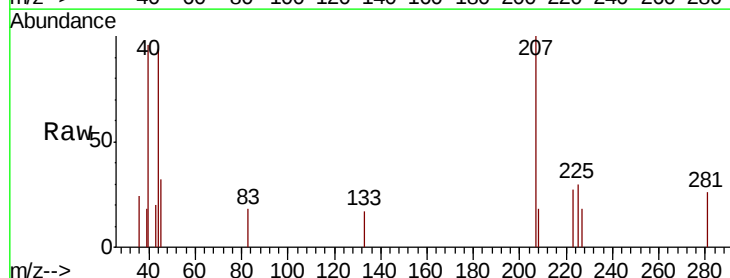


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

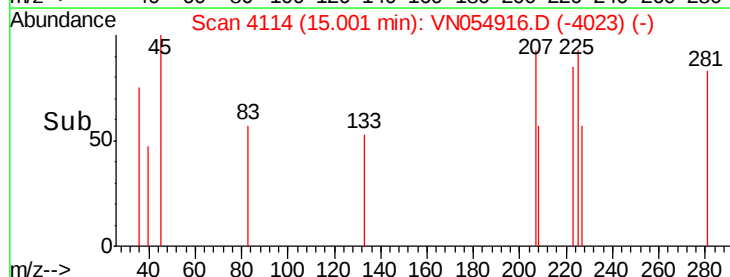
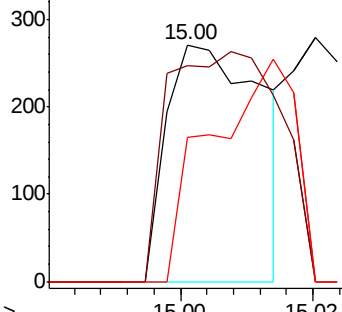


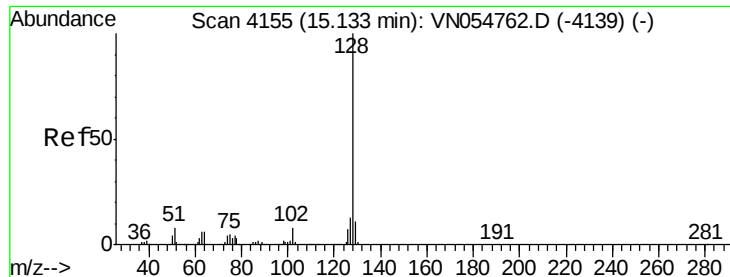
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN054916.D
 Acq: 3 Apr 2019 10:44

Tgt Ion:225 Resp: 271
 Ion Ratio Lower Upper
 225 100
 223 115.5 31.1 93.5#
 227 83.8 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





#95

Naphthalene

Concen: 0.324 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

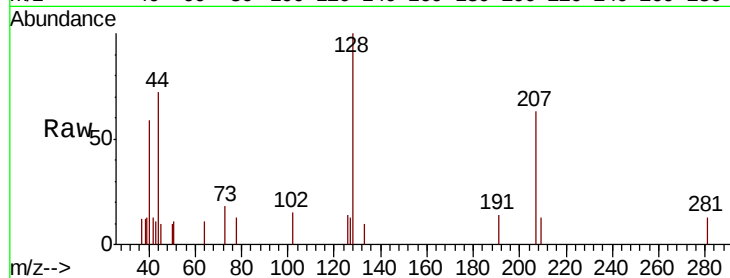
Tot Ion:128 Resp: 2874

Ion Ratio Lower Upper

128 100

127 10.0 10.1 15.1#

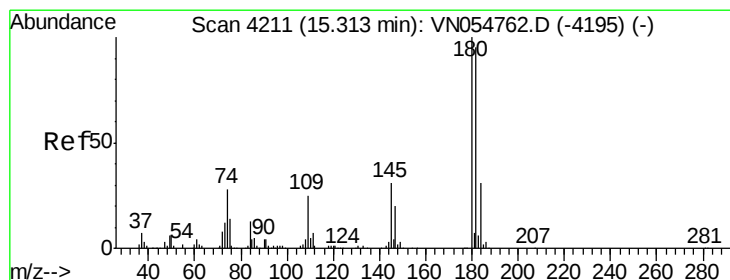
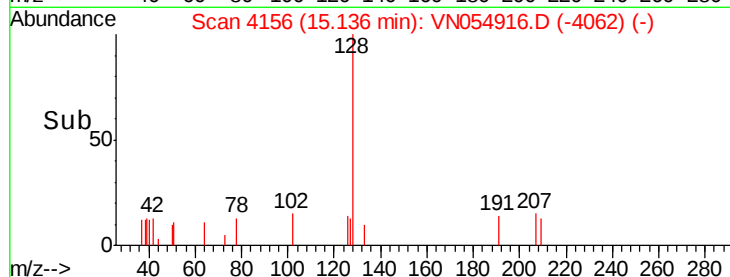
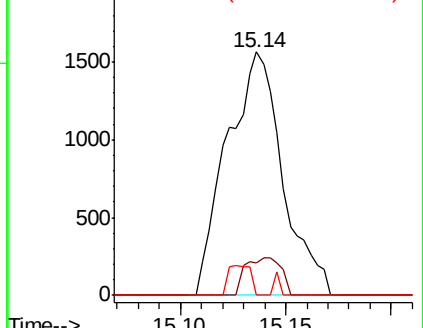
129 1.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.273 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054916.D

Acq: 3 Apr 2019 10:44

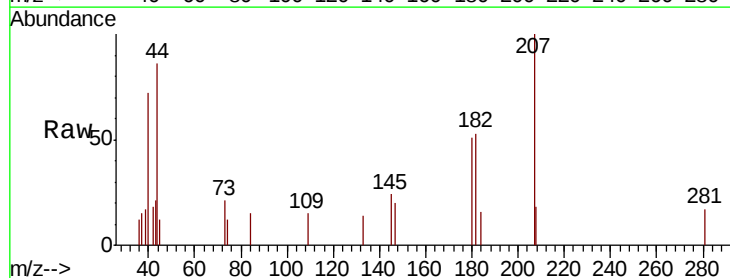
Tgt Ion:180 Resp: 1089

Ion Ratio Lower Upper

180 100

182 108.4 47.5 142.6

145 27.5 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

