

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057949.D
 Acq On : 12 Sep 2019 00:57
 Operator : JC/SP
 Sample : K4848-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-C

Quant Time: Sep 12 02:34:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	279098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	471176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	218408	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	311924	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
35) Dibromofluoromethane	7.57	113	212399	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	10.09	98	838955	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.41	95	272583	42.36	ug/l	0.00
Spiked Amount			Recovery	=	84.72%	

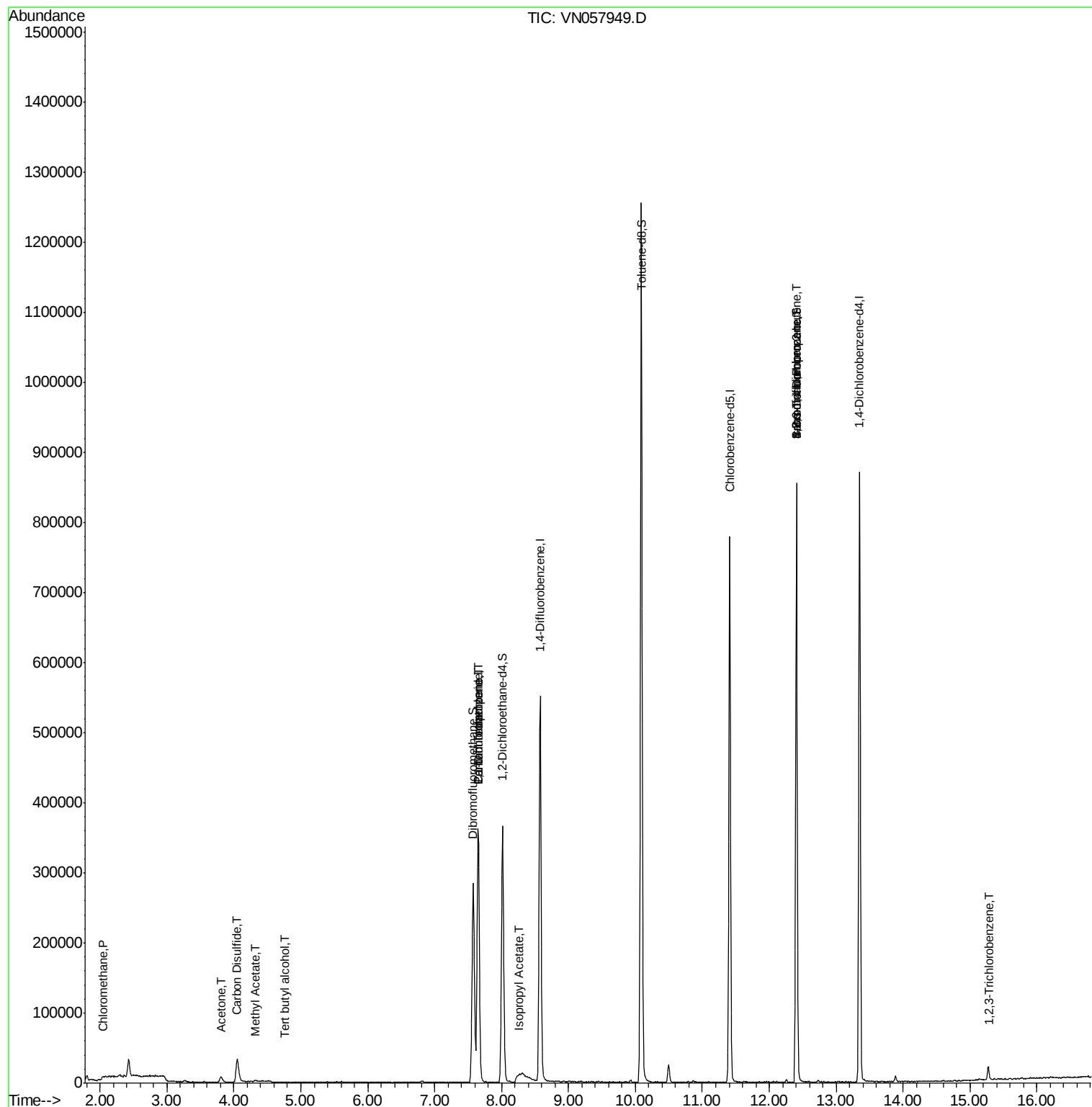
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1250	0.318	ug/l #	78
5) Bromomethane	2.54	94	261	Below Cal	#	2
11) Tert butyl alcohol	4.76	59	146	0.213	ug/l #	72
16) Acetone	3.81	43	14167	7.645	ug/l	93
17) Carbon Disulfide	4.04	76	304	0.224	ug/l #	75
18) Methyl Acetate	4.31	43	2645	0.535	ug/l #	83
20) Methylene Chloride	4.53	84	1459	Below Cal		92
31) Cyclohexane	7.65	56	7842	Below Cal	#	35
36) 1,1-Dichloropropene	7.65	75	24425	4.470	ug/l #	46
38) Carbon Tetrachloride	7.65	117	29713	5.956	ug/l #	15
43) Isopropyl Acetate	8.25	43	7803	0.822	ug/l #	56
71) Bromoform	12.40	173	739	0.310	ug/l #	30
76) 1,2,3-Trichloropropane	12.41	75	151735	30.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	151735	108.072	ug/l #	6
95) Naphthalene	15.14	128	1418	Below Cal	#	72
96) 1,2,3-Trichlorobenzene	15.29	180	151	1.032	ug/l #	12

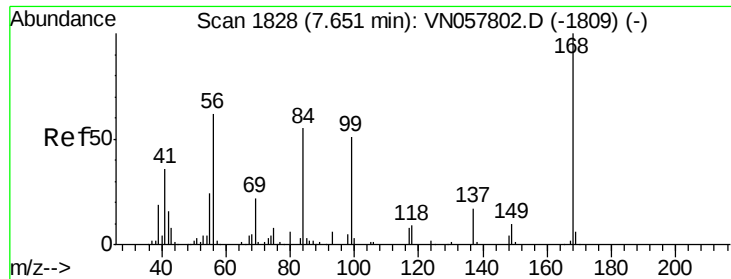
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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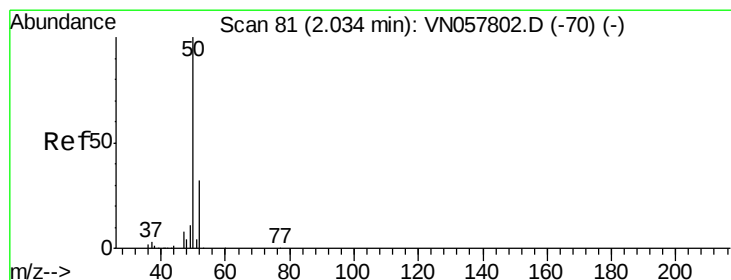
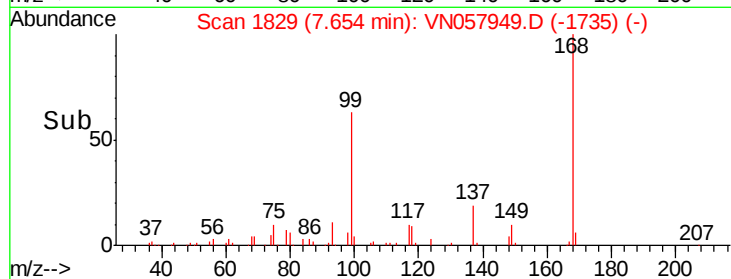
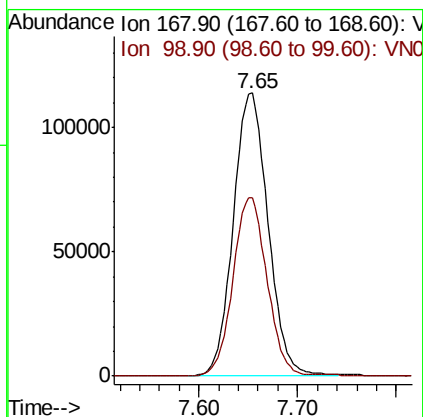
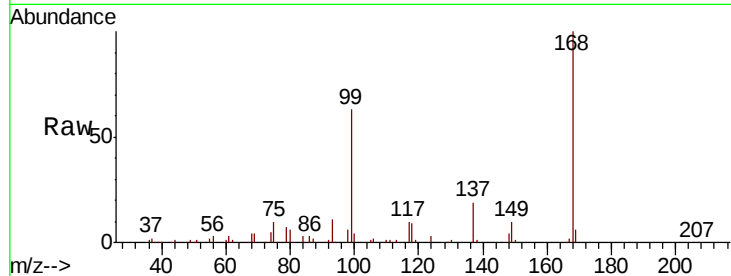




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN057949.D
Acq: 12 Sep 2019 00:57

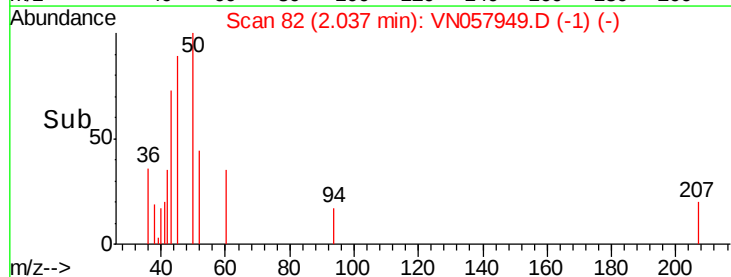
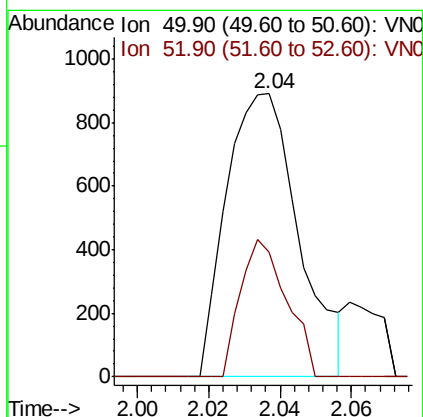
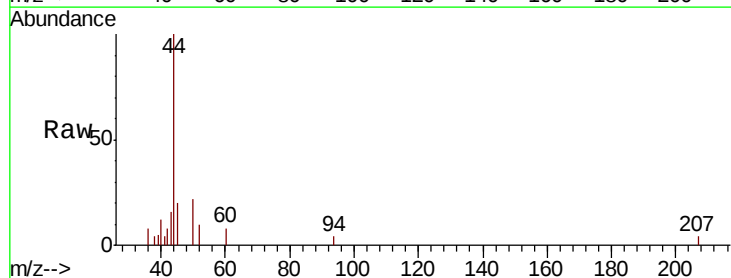
Instrument :
MSVOA_N
ClientSampled :
CBH-139-C

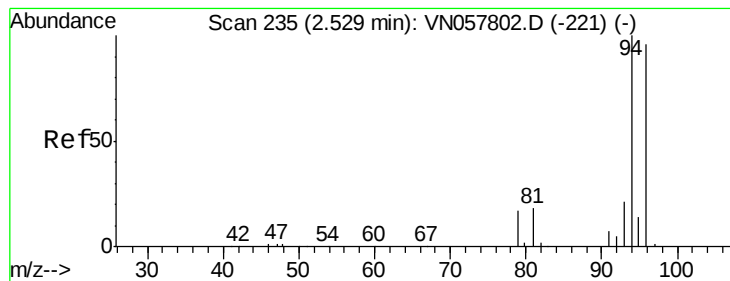
Tgt Ion: 168 Resp: 279098
Ion Ratio Lower Upper
168 100
99 63.1 48.0 72.0



#3
Chloromethane
Concen: 0.318 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN057949.D
Acq: 12 Sep 2019 00:57

Tgt Ion: 50 Resp: 1250
Ion Ratio Lower Upper
50 100
52 44.2 25.5 38.3#





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampleId :

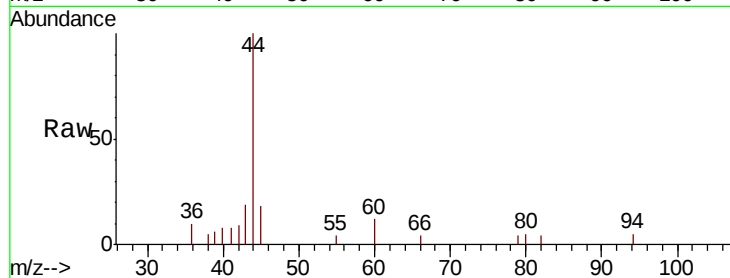
CBH-139-C

Tgt Ion: 94 Resp: 261

Ion Ratio Lower Upper

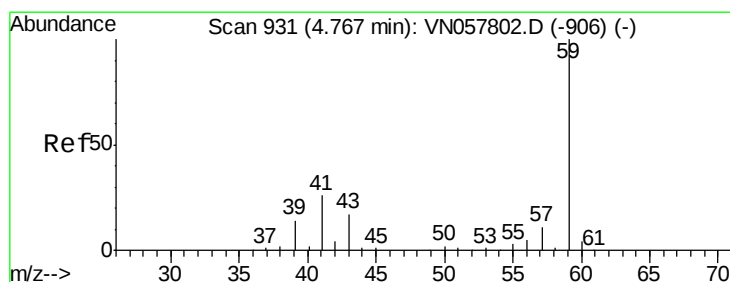
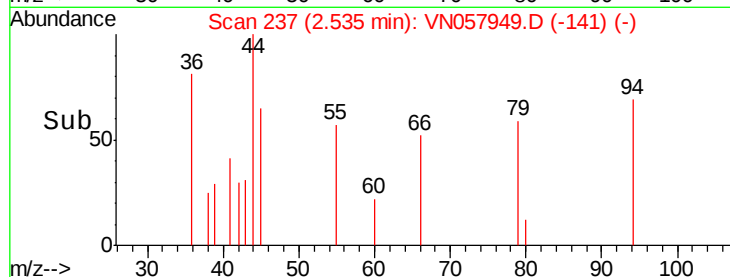
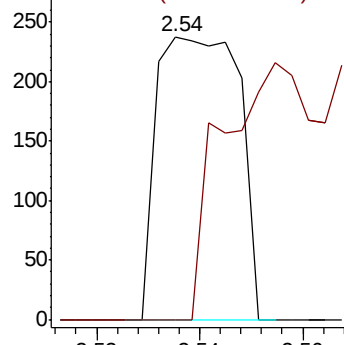
94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.213 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN057949.D

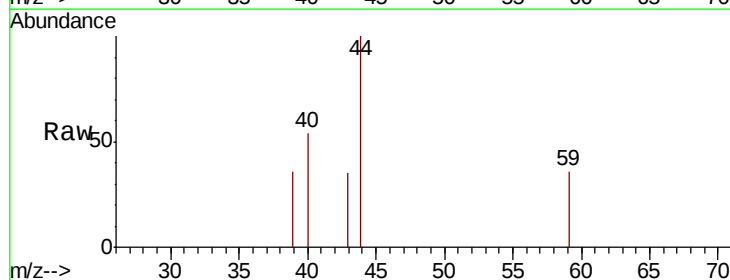
Acq: 12 Sep 2019 00:57

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

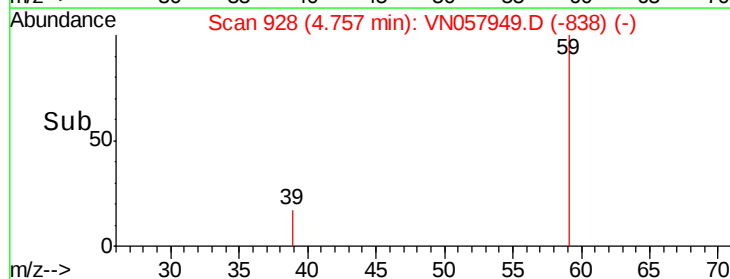
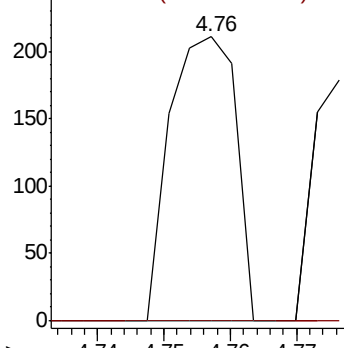
59 100

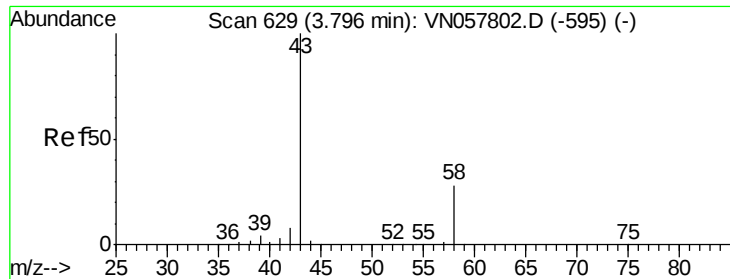
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 7.645 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampled :

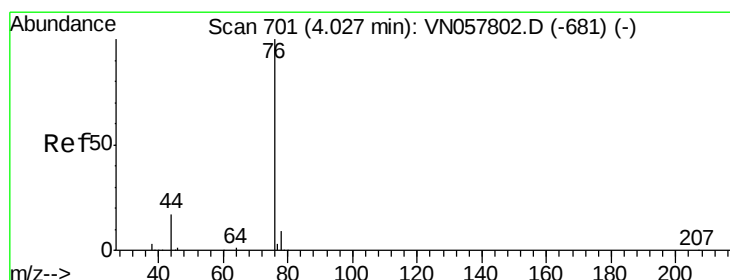
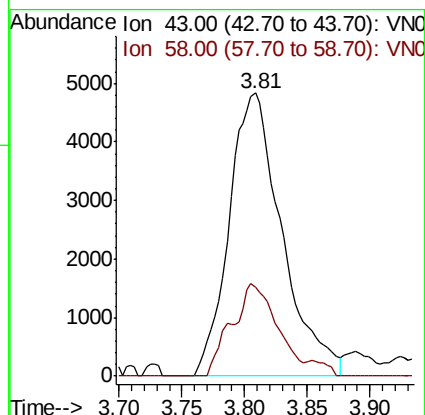
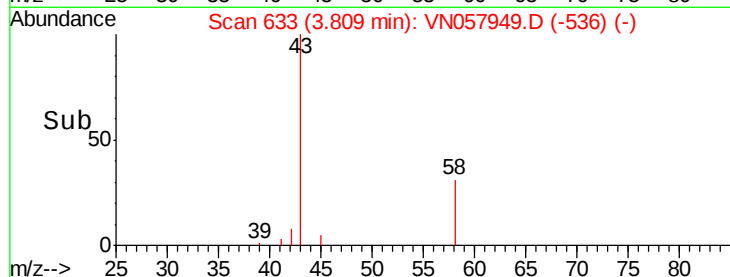
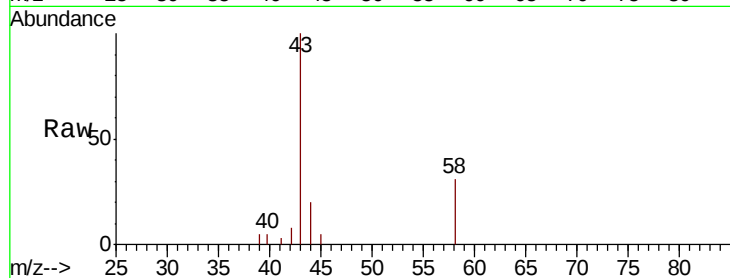
CBH-139-C

Tgt Ion: 43 Resp: 14167

Ion Ratio Lower Upper

43 100

58 31.3 22.2 33.2



#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN057949.D

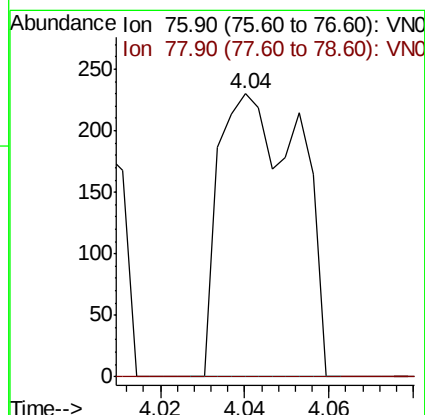
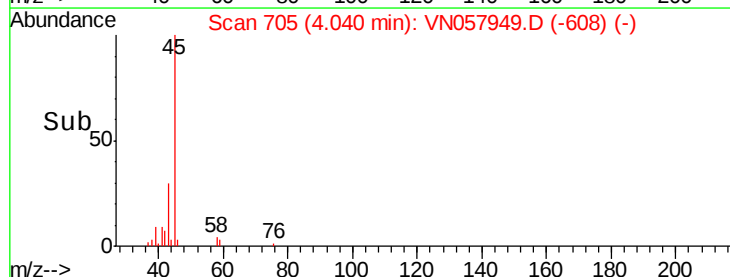
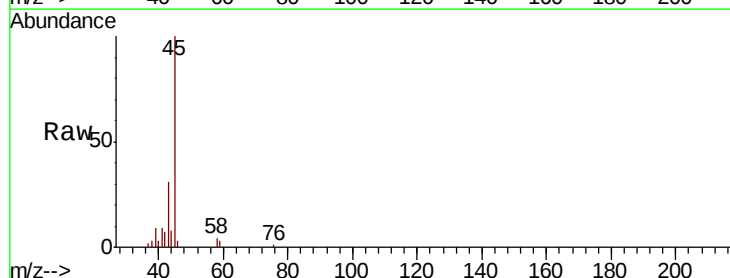
Acq: 12 Sep 2019 00:57

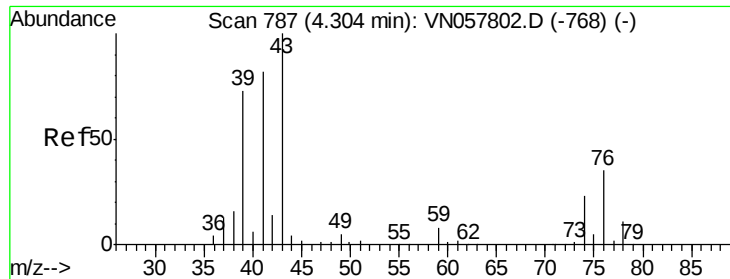
Tgt Ion: 76 Resp: 304

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

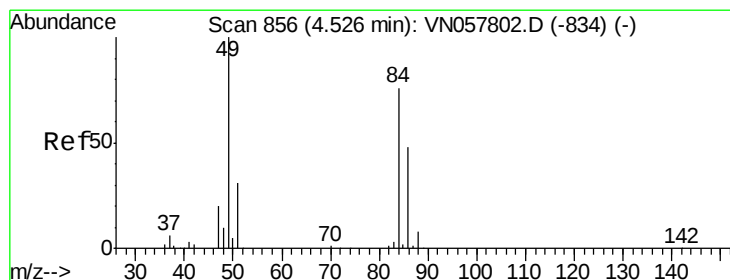
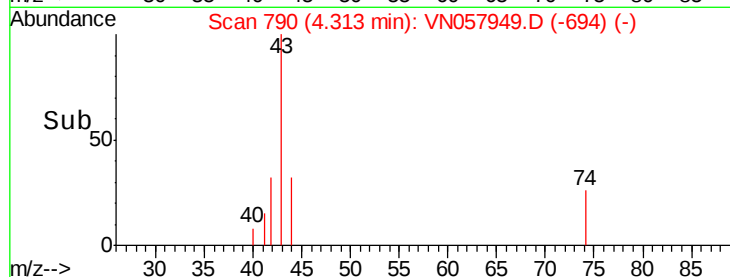
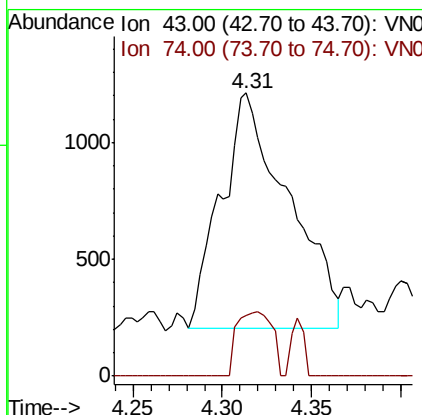
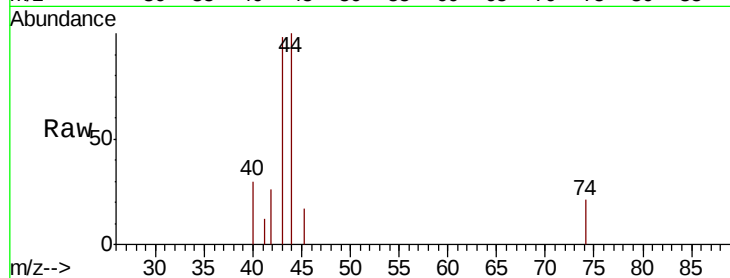




#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057949.D
Acq: 12 Sep 2019 00:57

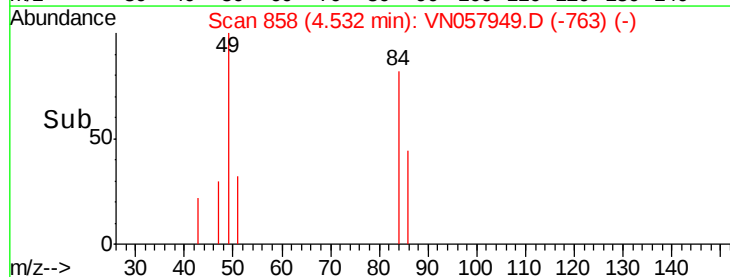
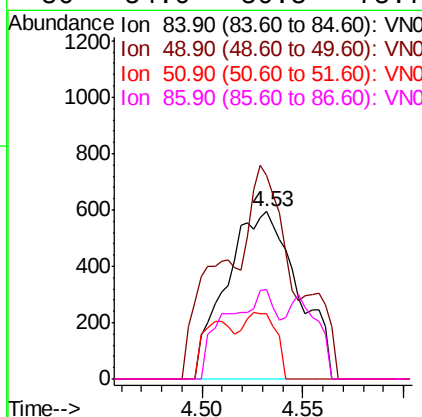
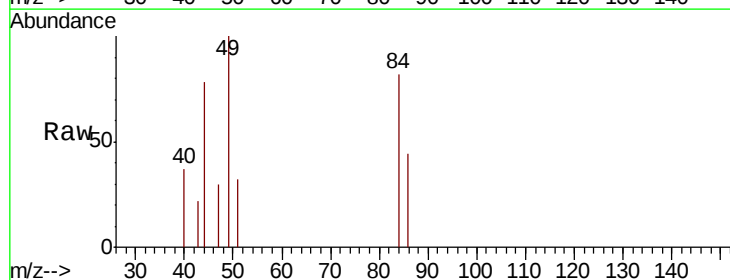
Instrument :
MSVOA_N
ClientSampled :
CBH-139-C

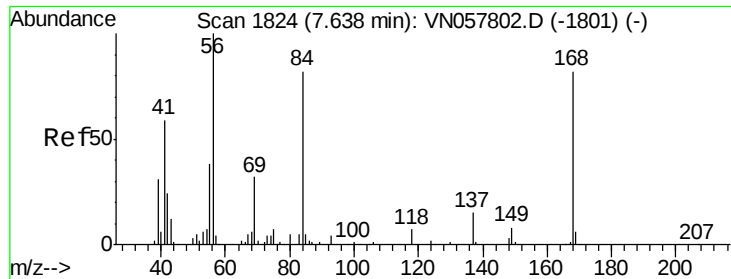
Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
74 14.2 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057949.D
Acq: 12 Sep 2019 00:57

Tgt Ion: 84 Resp: 1459
Ion Ratio Lower Upper
84 100
49 121.8 104.8 157.2
51 39.0 33.0 49.4
86 54.0 50.5 75.7

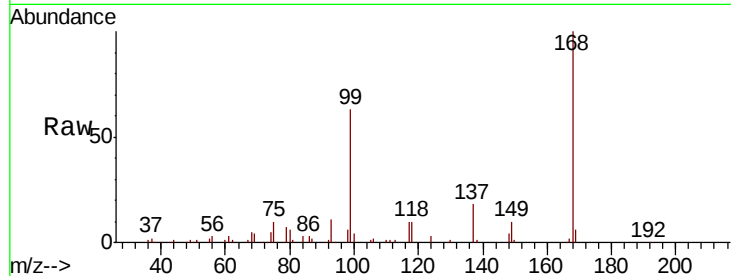




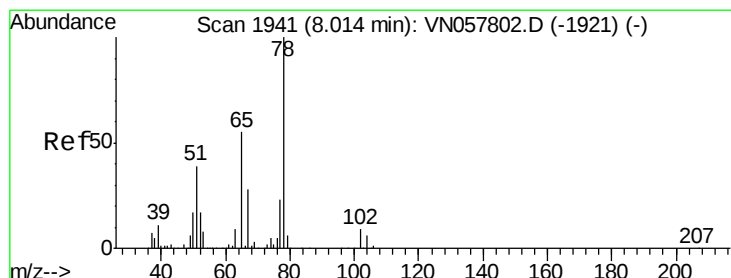
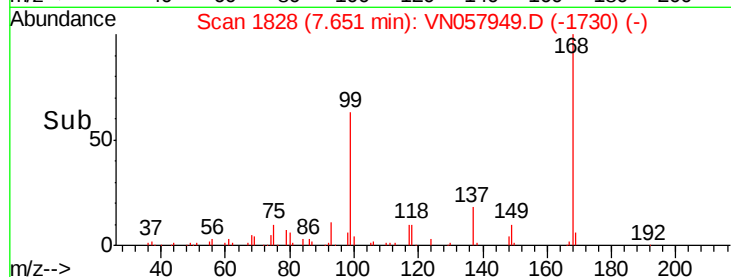
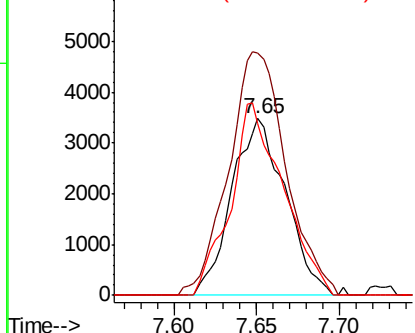
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057949.D
Acq: 12 Sep 2019 00:57

Instrument :
MSVOA_N
ClientSampleId :
CBH-139-C

Tgt Ion: 56 Resp: 7842
Ion Ratio Lower Upper
56 100
69 136.8 25.9 38.9#
84 97.0 65.6 98.4

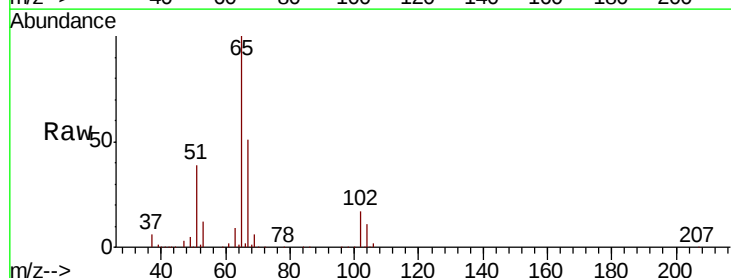


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

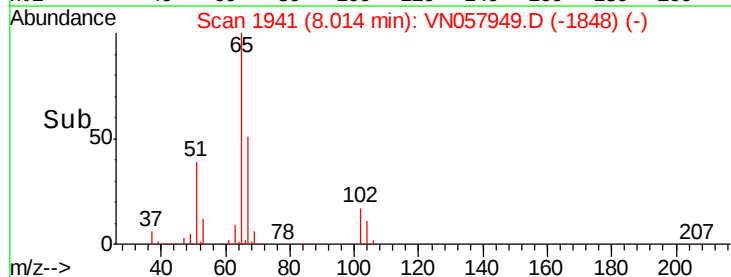
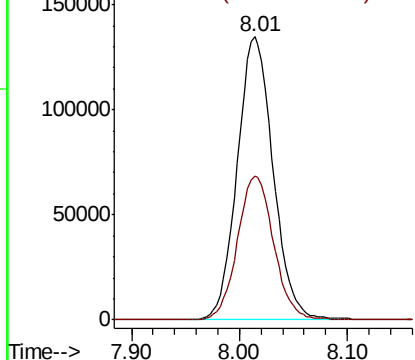


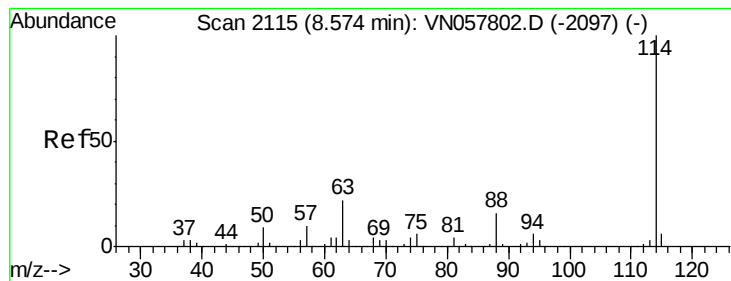
#33
1,2-Dichloroethane-d4
Concen: 55.179 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057949.D
Acq: 12 Sep 2019 00:57

Tgt Ion: 65 Resp: 311924
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampleId :

CBH-139-C

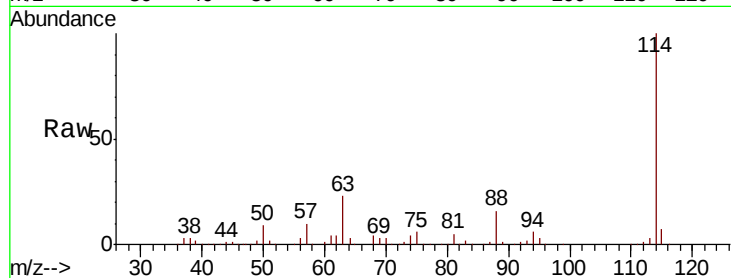
Tgt Ion:114 Resp: 471176

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.0

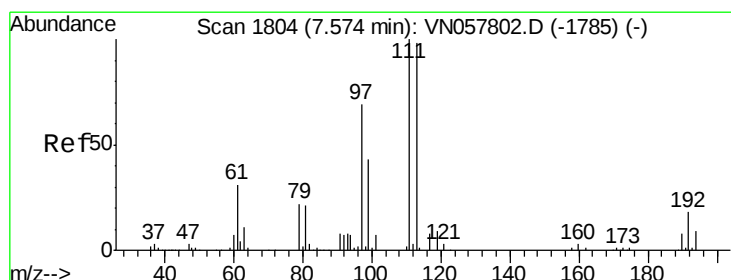
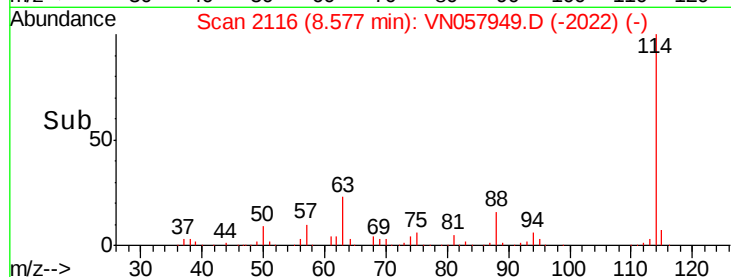
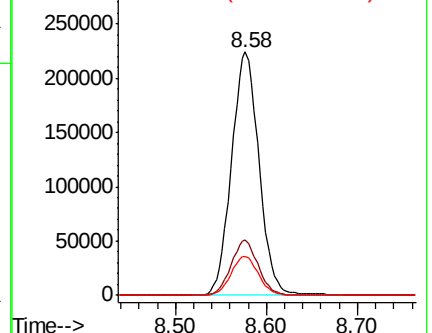
88 16.0 0.0 31.4



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: 48.841 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

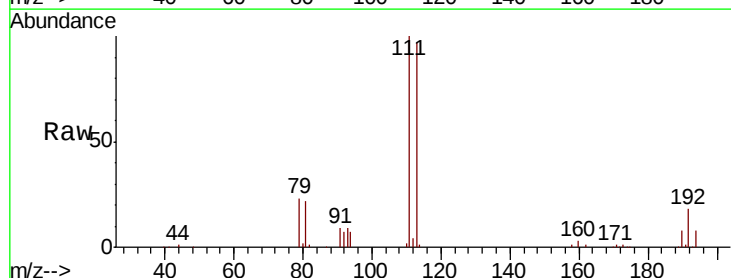
Tgt Ion:113 Resp: 212399

Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

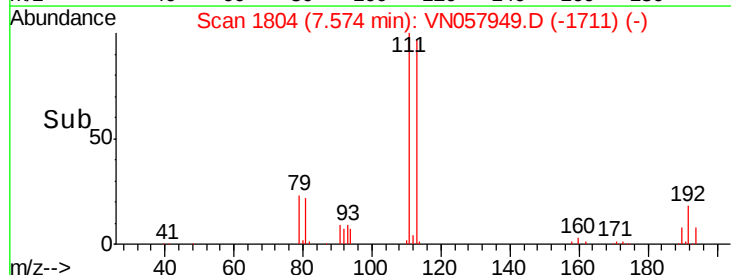
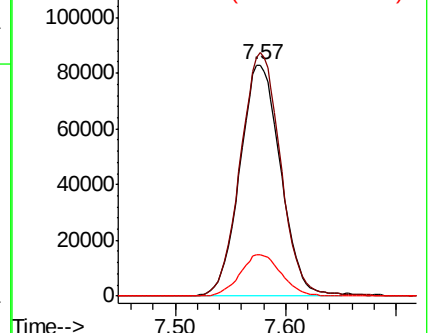
192 18.2 14.6 22.0

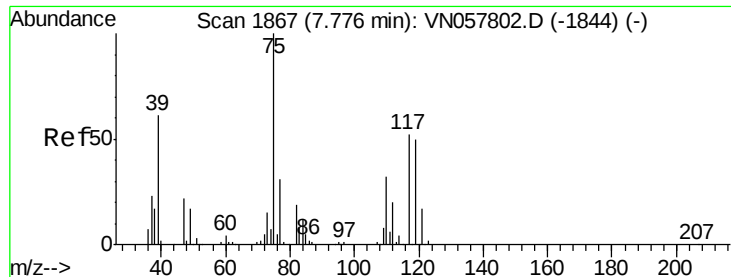


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

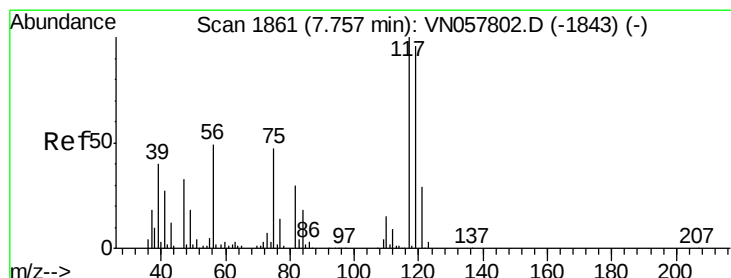
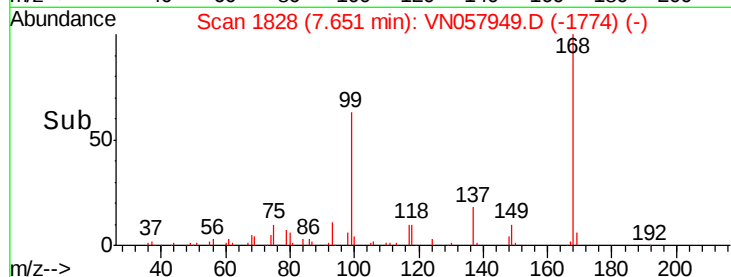
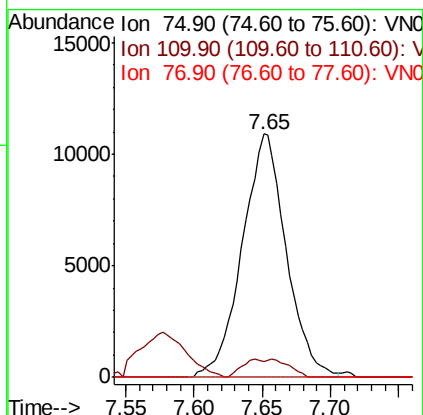
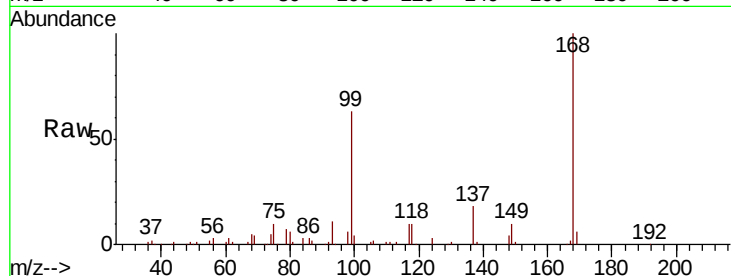




#36
 1,1-Dichloropropene
 Concen: 4.470 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057949.D
 Acq: 12 Sep 2019 00:57

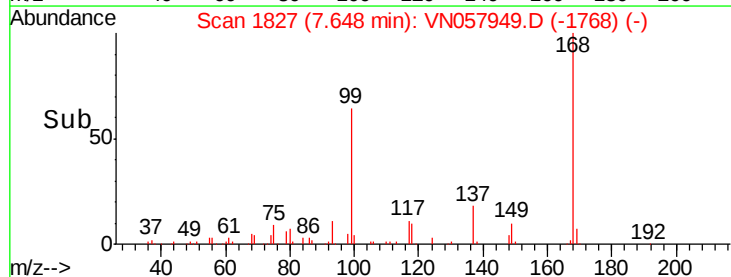
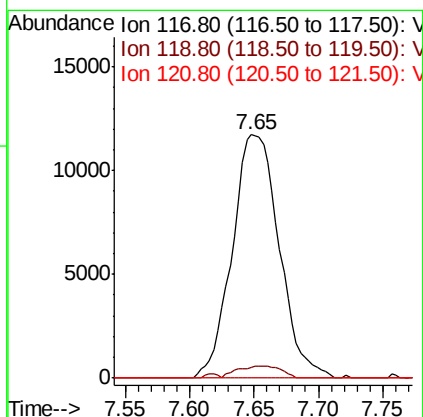
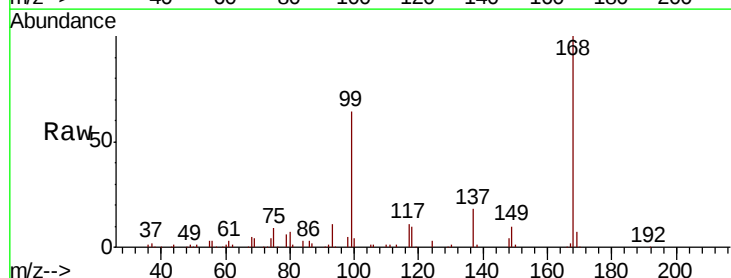
Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-C

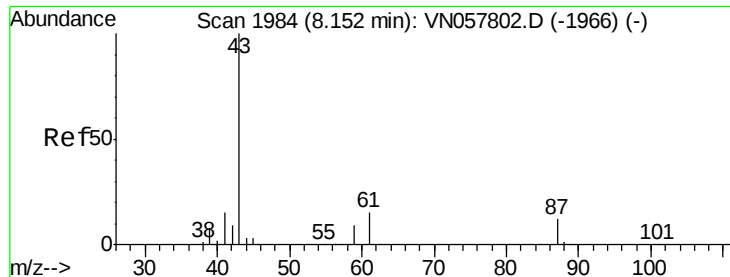
Tgt Ion: 75 Resp: 24425
 Ion Ratio Lower Upper
 75 100
 110 3.8 16.3 48.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.956 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057949.D
 Acq: 12 Sep 2019 00:57

Tgt Ion: 117 Resp: 29713
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.9 115.3#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 0.822 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.09 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampleId :

CBH-139-C

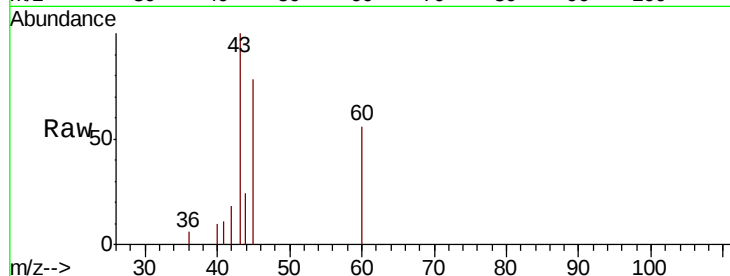
Tgt Ion: 43 Resp: 7803

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

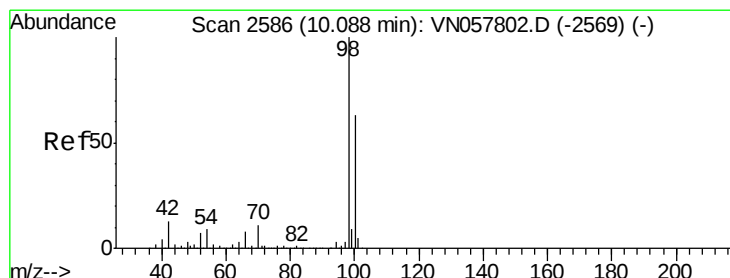
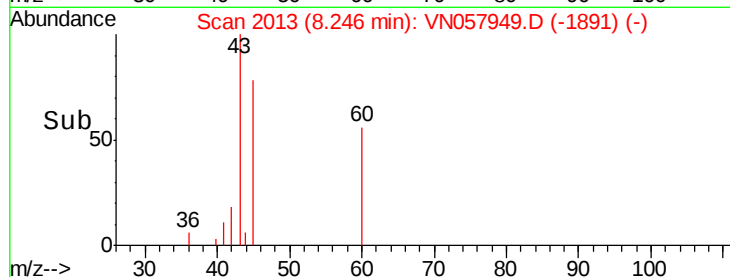
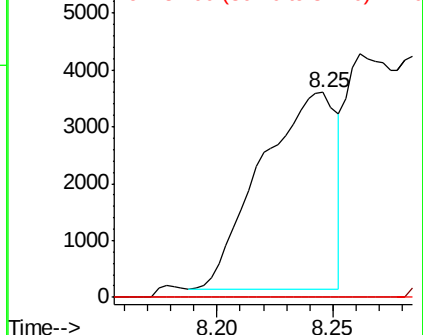
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.689 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057949.D

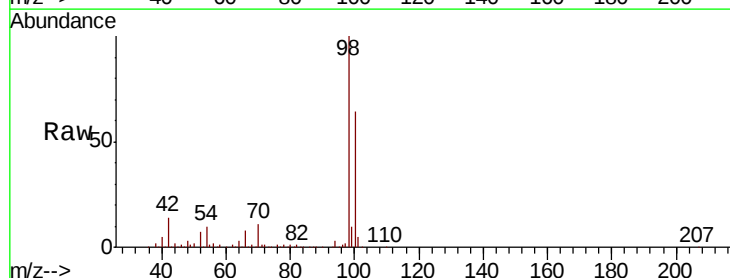
Acq: 12 Sep 2019 00:57

Tgt Ion: 98 Resp: 838955

Ion Ratio Lower Upper

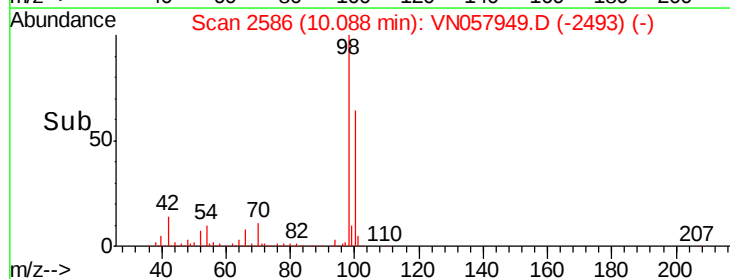
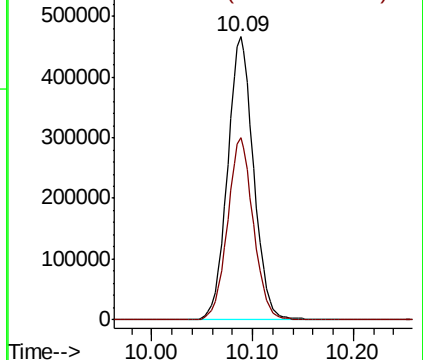
98 100

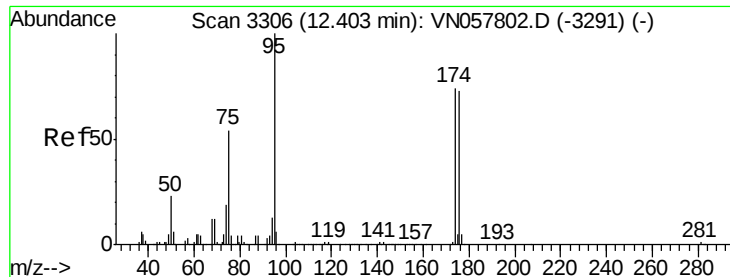
100 63.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 42.363 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampleId :

CBH-139-C

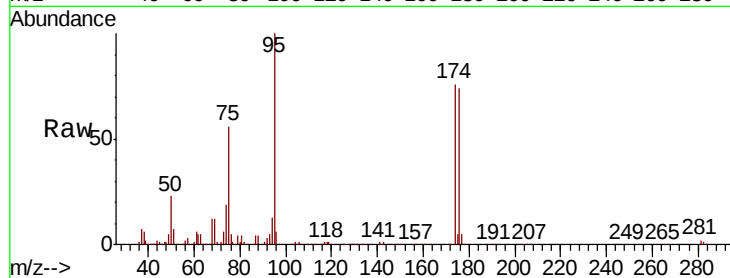
Tgt Ion: 95 Resp: 272583

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

176 73.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.41

200000

150000

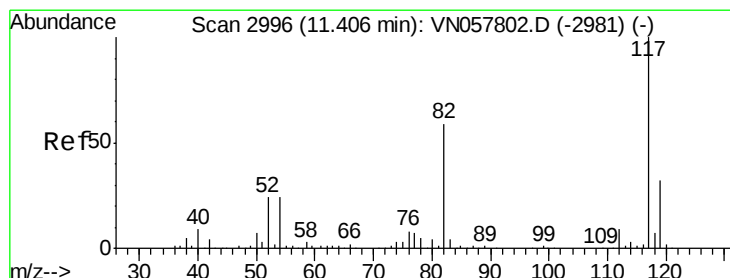
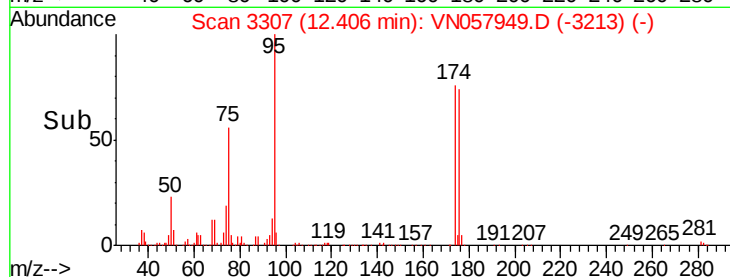
100000

50000

0

12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

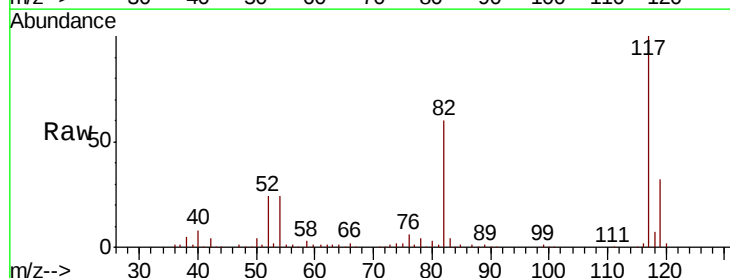
Tgt Ion: 117 Resp: 421277

Ion Ratio Lower Upper

117 100

82 59.8 47.2 70.8

119 32.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

11.41

300000

250000

200000

150000

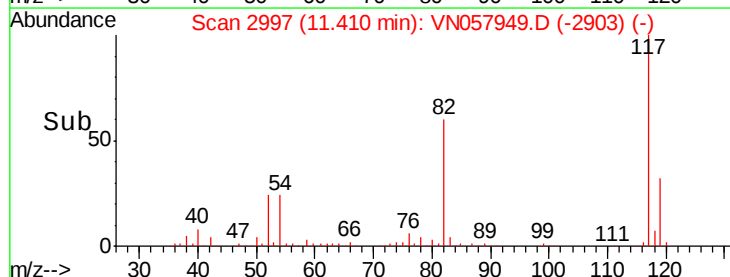
100000

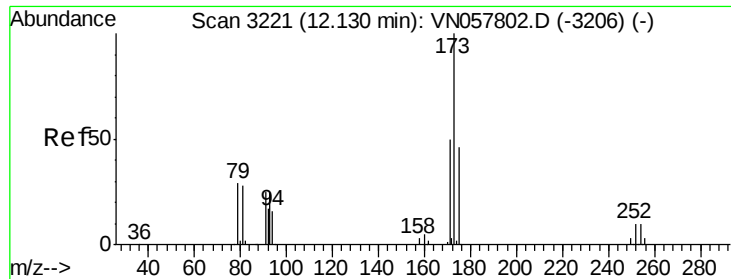
50000

0

11.30 11.40 11.50

Time-->





#71

Bromoform

Concen: 0.310 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampleId :

CBH-139-C

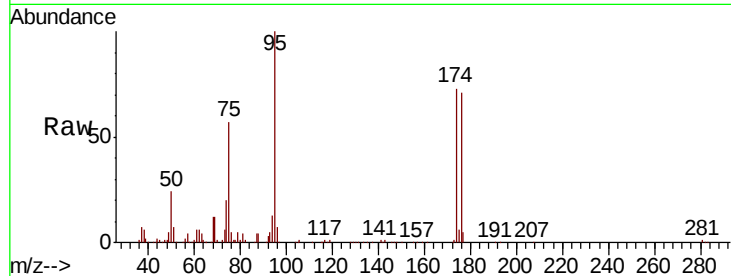
Tgt Ion:173 Resp: 739

Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

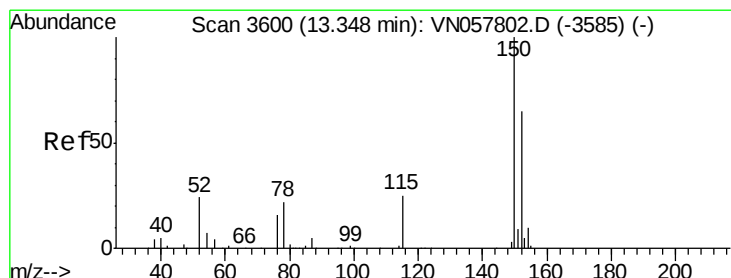
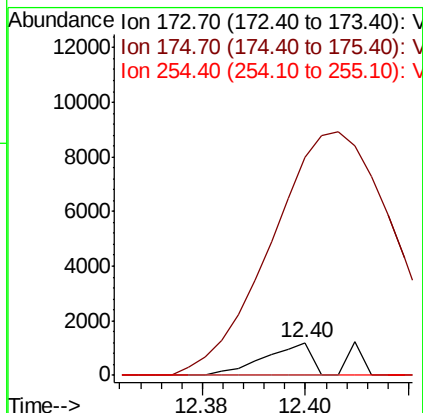
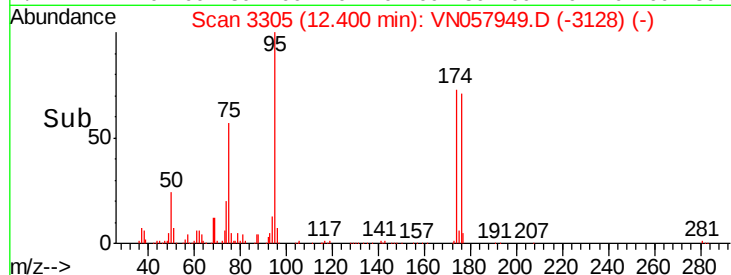
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

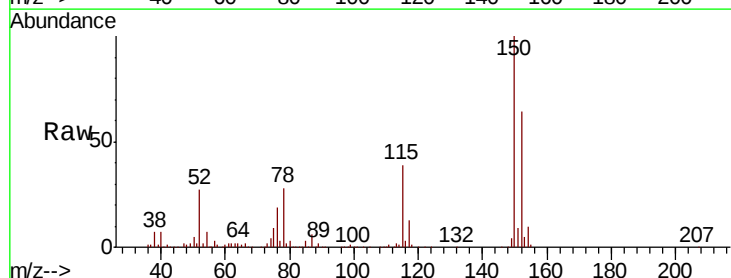
Tgt Ion:152 Resp: 218408

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

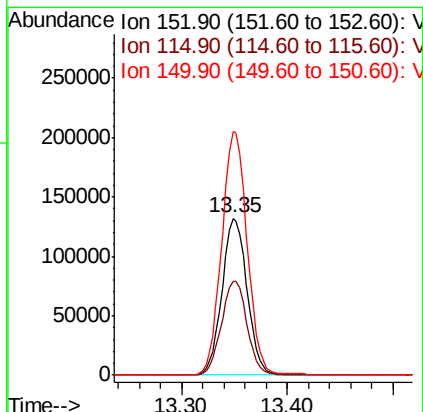
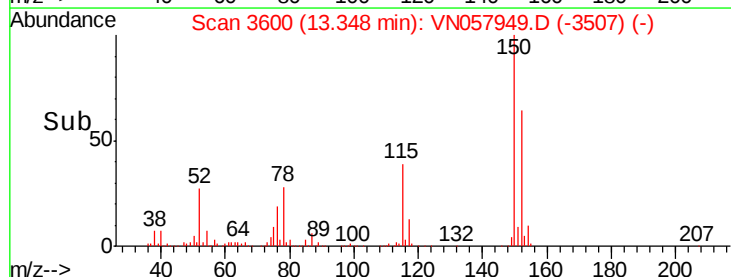
150 156.5 0.0 352.4

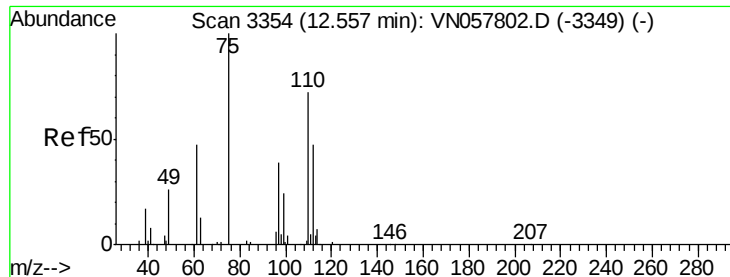


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.711 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampled :

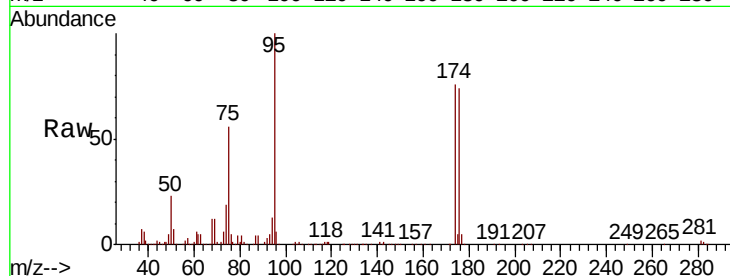
CBH-139-C

Tgt Ion: 75 Resp: 151735

Ion Ratio Lower Upper

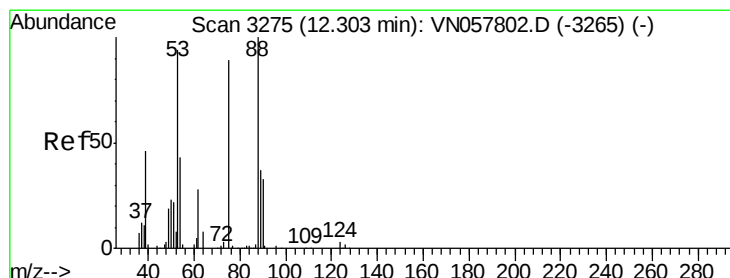
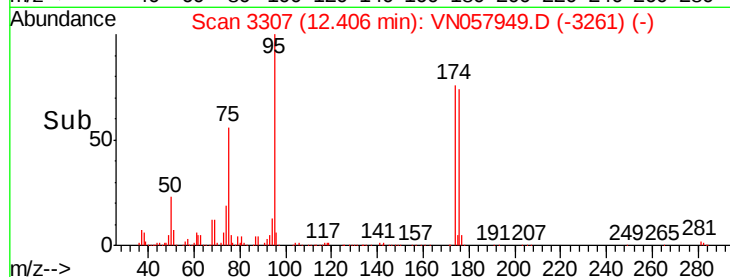
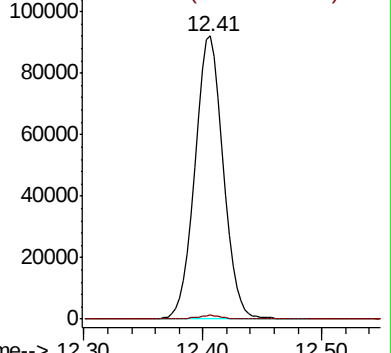
75 100

77 1.1 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: 108.072 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

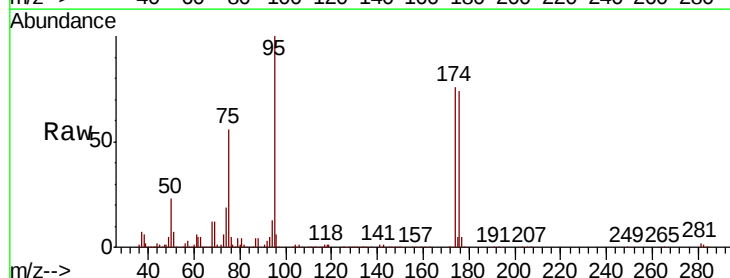
Tgt Ion: 75 Resp: 151735

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

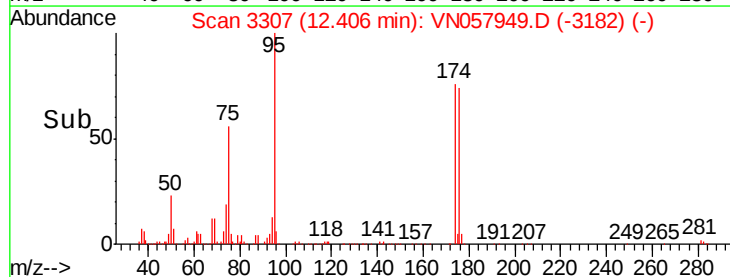
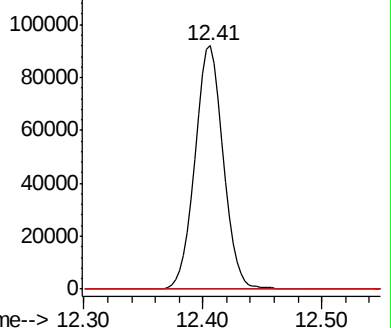
89 0.0 35.3 52.9#

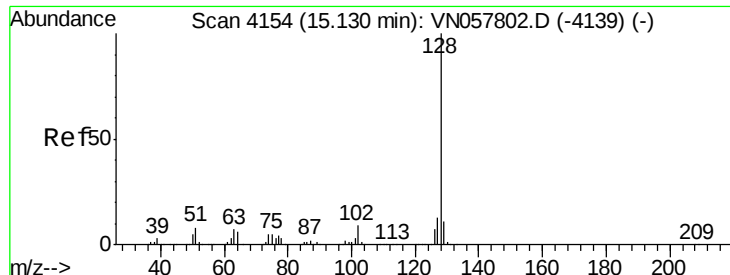


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

Instrument :

MSVOA_N

ClientSampled :

CBH-139-C

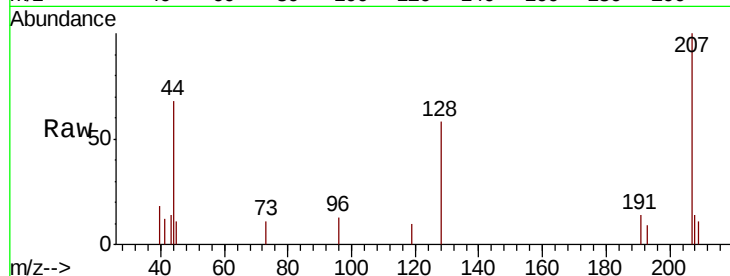
Tgt Ion:128 Resp: 1418

Ion Ratio Lower Upper

128 100

127 2.0 10.3 15.5#

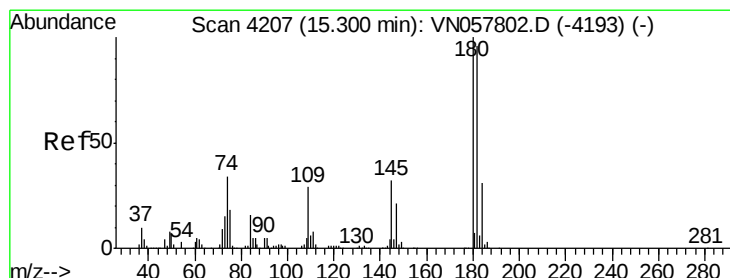
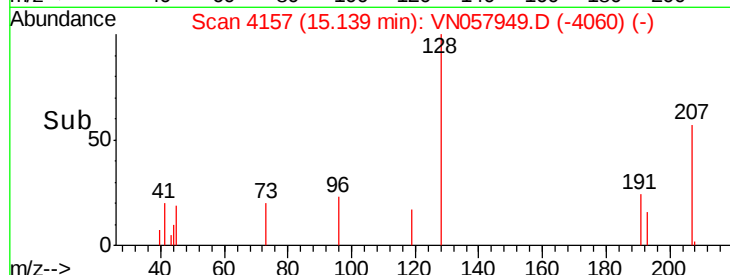
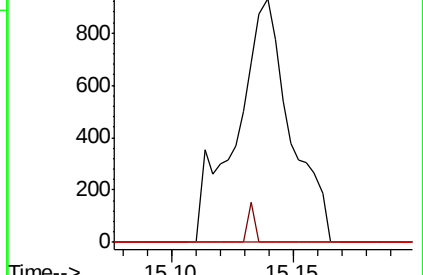
129 0.0 8.6 12.8#



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: 1.032 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.01 min

Lab File: VN057949.D

Acq: 12 Sep 2019 00:57

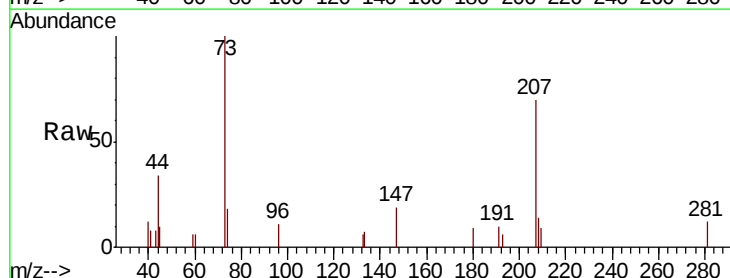
Tgt Ion:180 Resp: 151

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.8#

145 0.0 16.3 48.8#



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

