

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057948.D
 Acq On : 12 Sep 2019 00:35
 Operator : JC/SP
 Sample : K4848-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-B

Quant Time: Sep 12 02:34:29 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

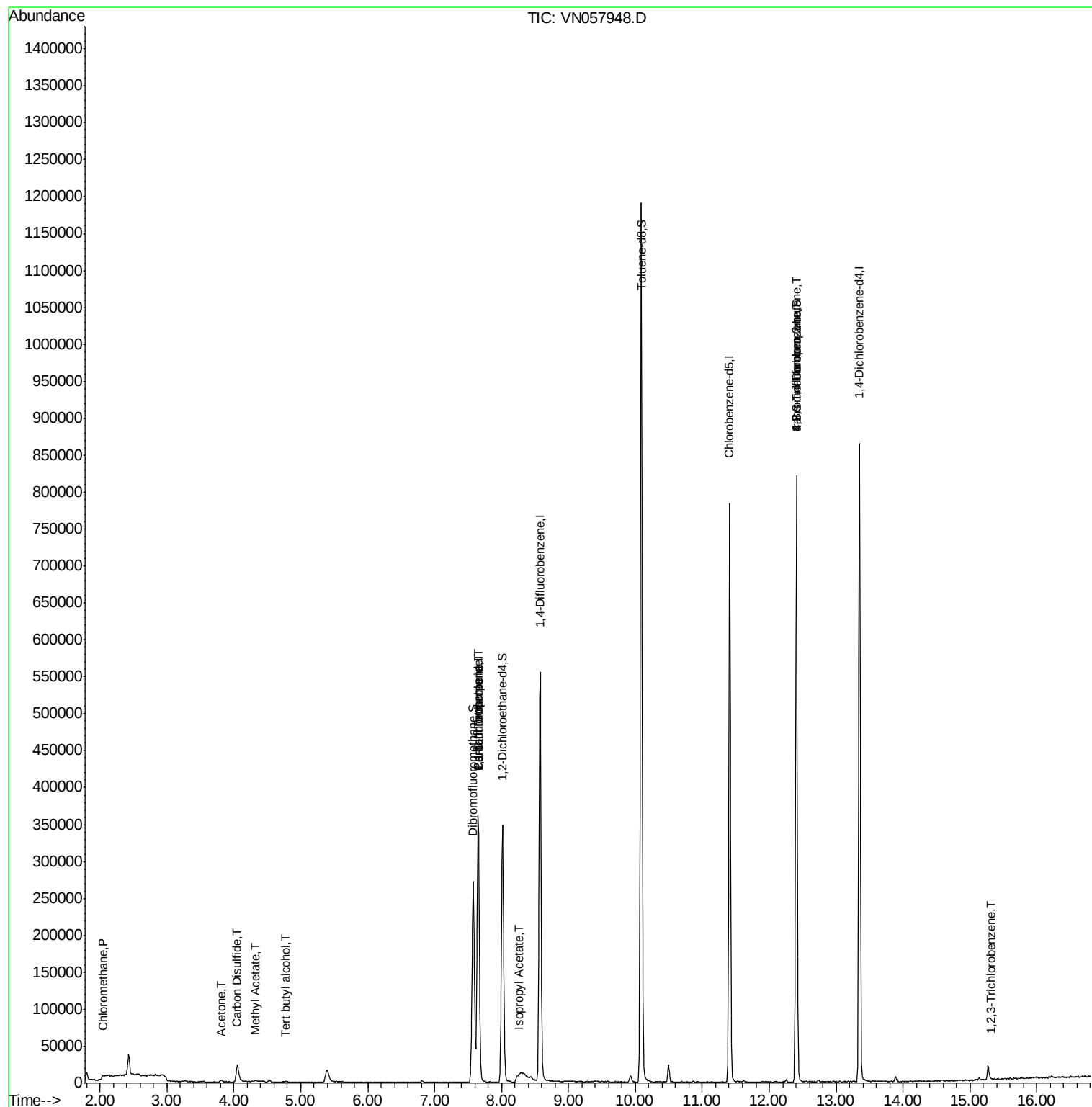
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	280096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	469250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	218933	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	303198	53.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.88%	
35) Dibromofluoromethane	7.58	113	205696	47.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.98%	
50) Toluene-d8	10.09	98	815629	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.41	95	268610	41.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.84%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	1040	0.263	ug/l	97
5) Bromomethane	2.54	94	555	Below Cal	#	47
11) Tert butyl alcohol	4.77	59	486	0.708	ug/l #	72
16) Acetone	3.81	43	4333	2.330	ug/l	92
17) Carbon Disulfide	4.03	76	418	0.248	ug/l #	75
18) Methyl Acetate	4.31	43	2960	0.597	ug/l	93
20) Methylene Chloride	4.53	84	1191	Below Cal		94
31) Cyclohexane	7.65	56	7527	Below Cal	#	40
36) 1,1-Dichloropropene	7.65	75	23516	4.321	ug/l #	45
38) Carbon Tetrachloride	7.65	117	28738	5.784	ug/l #	16
43) Isopropyl Acetate	8.25	43	9584	1.014	ug/l #	56
76) 1,2,3-Trichloropropane	12.41	75	148812	30.047	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	148812	105.736	ug/l #	6
95) Naphthalene	15.13	128	2726	Below Cal	#	90
96) 1,2,3-Trichlorobenzene	15.31	180	633	1.138	ug/l	79

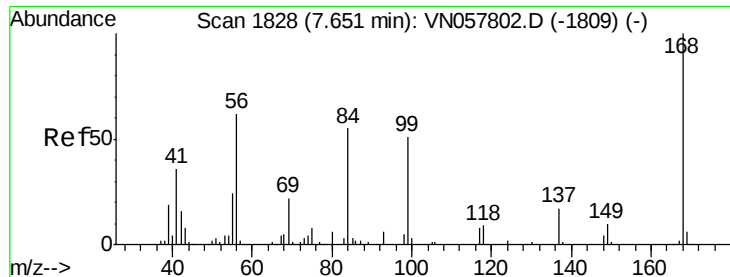
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057948.D

Acq: 12 Sep 2019 00:35

Instrument :

MSVOA_N

ClientSampleId :

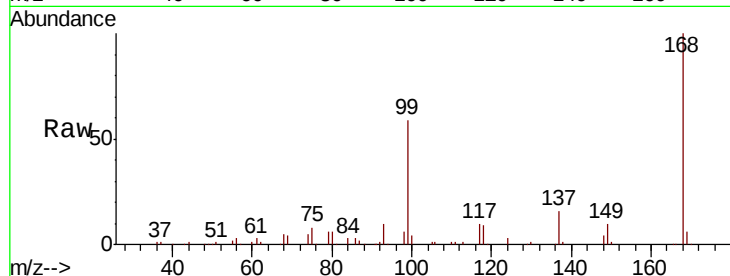
CBH-139-B

Tgt Ion:168 Resp: 280096

Ion Ratio Lower Upper

168 100

99 59.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

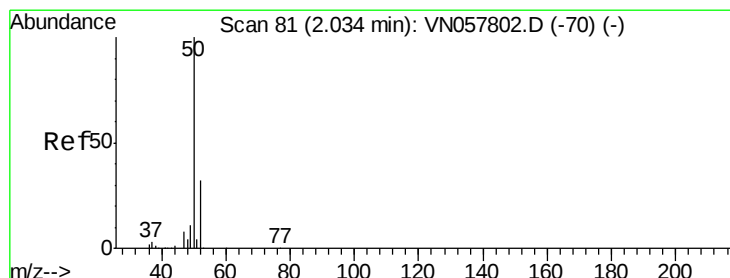
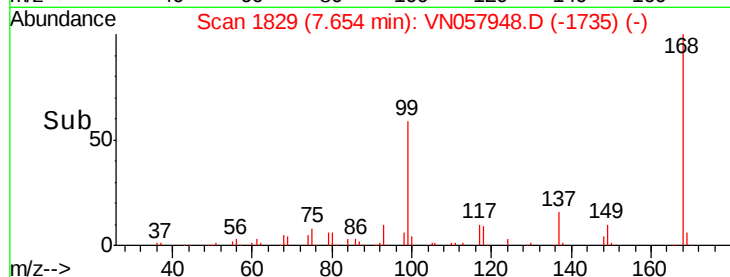
7.65

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.263 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057948.D

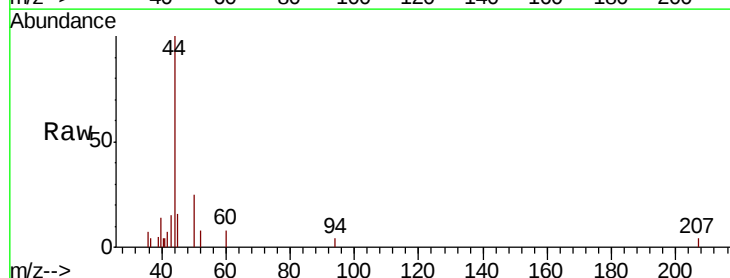
Acq: 12 Sep 2019 00:35

Tgt Ion: 50 Resp: 1040

Ion Ratio Lower Upper

50 100

52 33.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

1200

1000

800

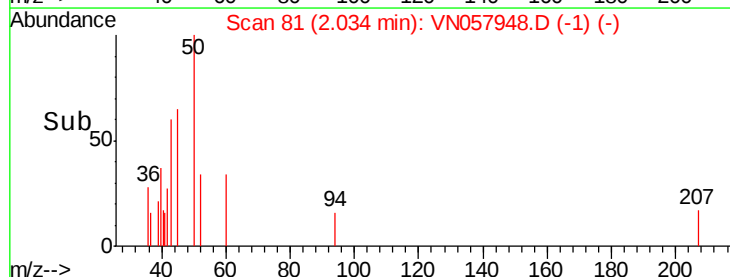
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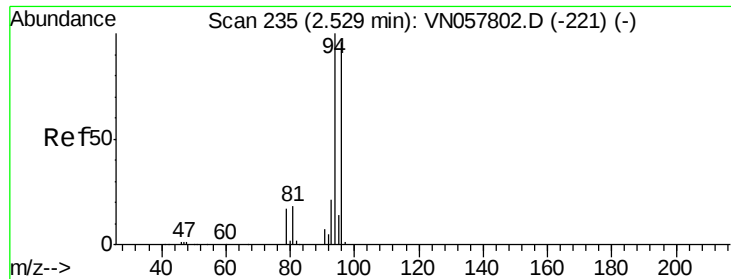
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057948.D

Acq: 12 Sep 2019 00:35

Instrument :

MSVOA_N

ClientSampled :

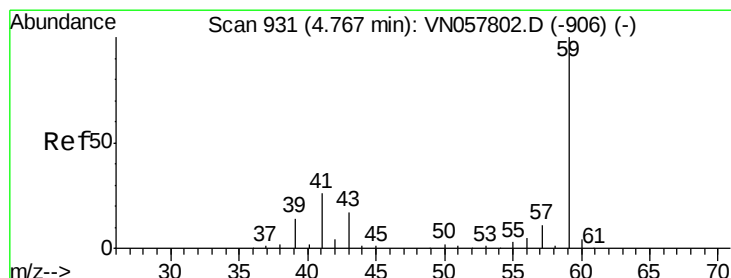
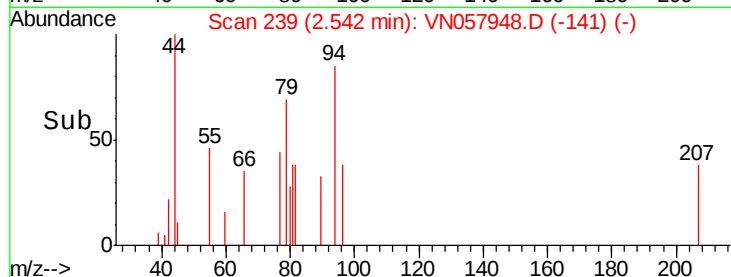
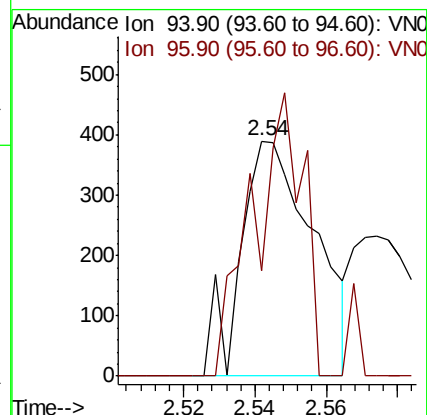
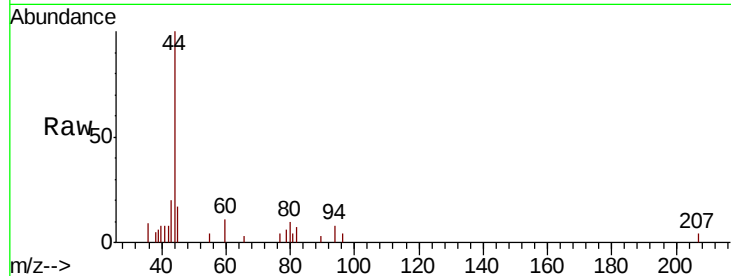
CBH-139-B

Tgt Ion: 94 Resp: 555

Ion Ratio Lower Upper

94 100

96 44.6 77.0 115.4#



#11

Tert butyl alcohol

Concen: 0.708 ug/l

RT: 4.77 min Scan# 932

Delta R.T. 0.00 min

Lab File: VN057948.D

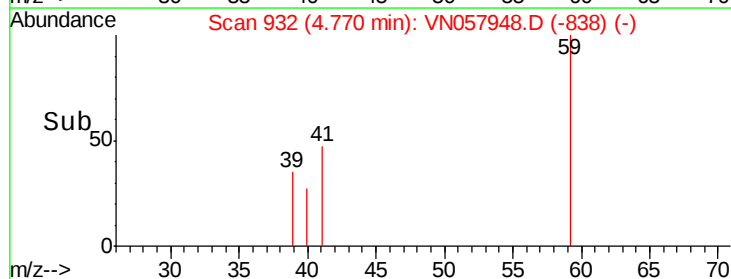
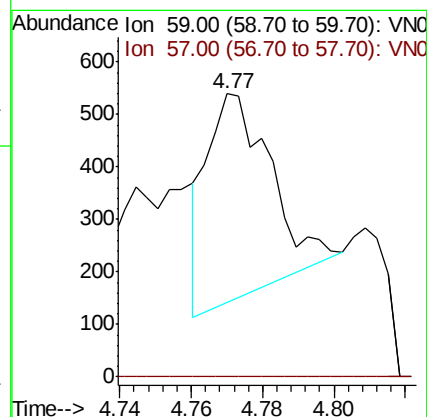
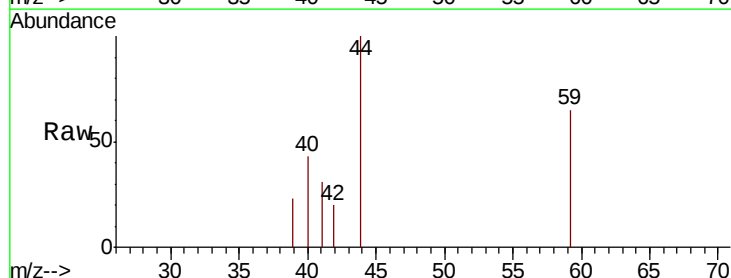
Acq: 12 Sep 2019 00:35

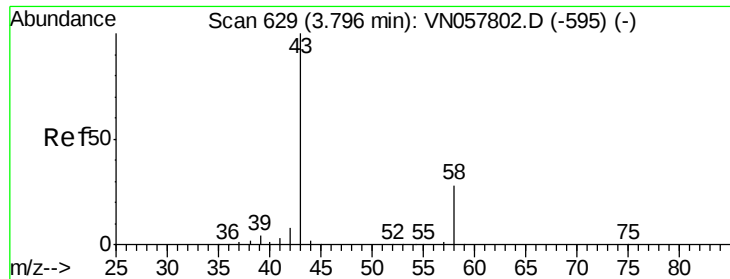
Tgt Ion: 59 Resp: 486

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#16

Acetone

Concen: 2.330 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN057948.D

Acq: 12 Sep 2019 00:35

Instrument :

MSVOA_N

ClientSampleId :

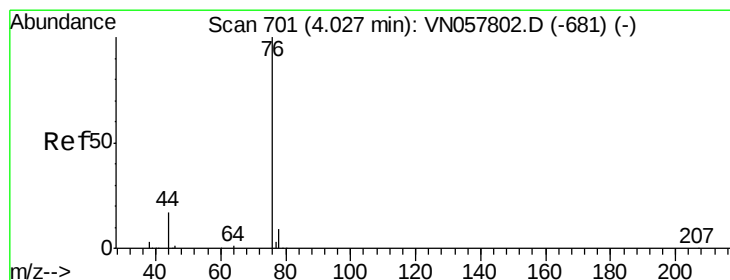
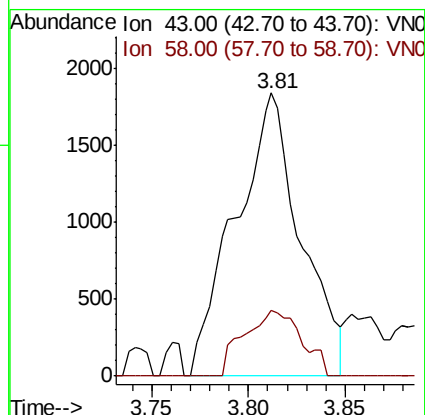
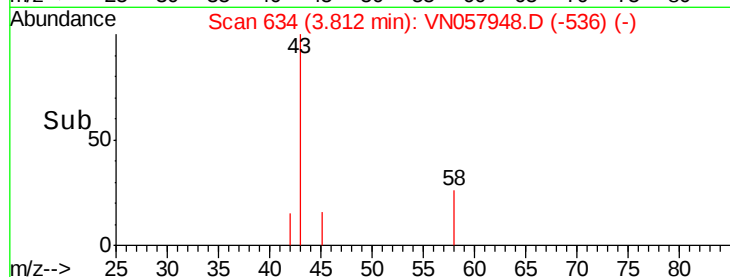
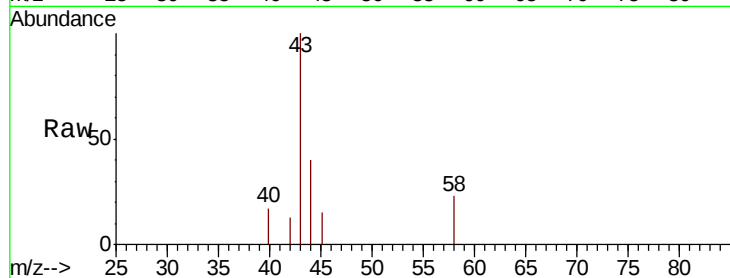
CBH-139-B

Tgt Ion: 43 Resp: 4333

Ion Ratio Lower Upper

43 100

58 23.4 22.2 33.2



#17

Carbon Disulfide

Concen: 0.248 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057948.D

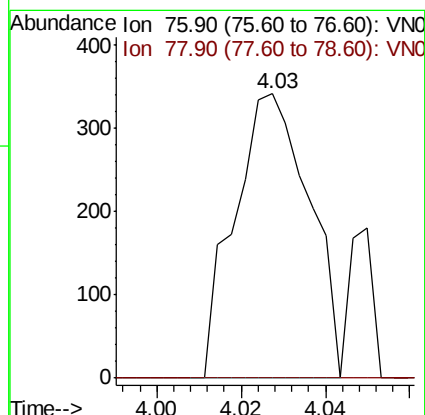
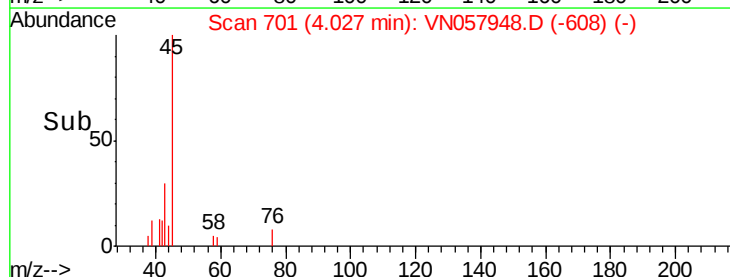
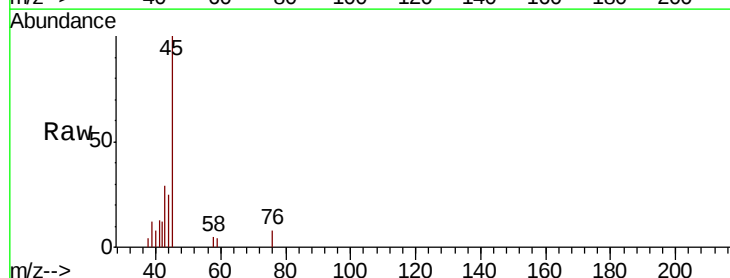
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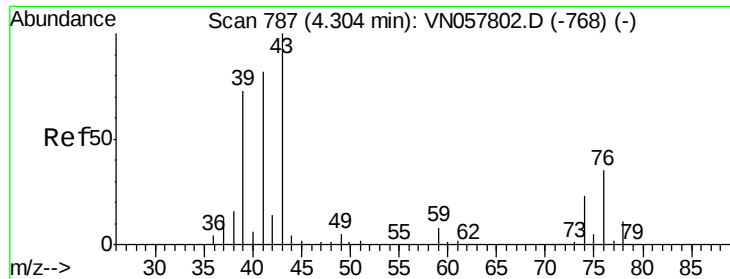
Tgt Ion: 76 Resp: 418

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

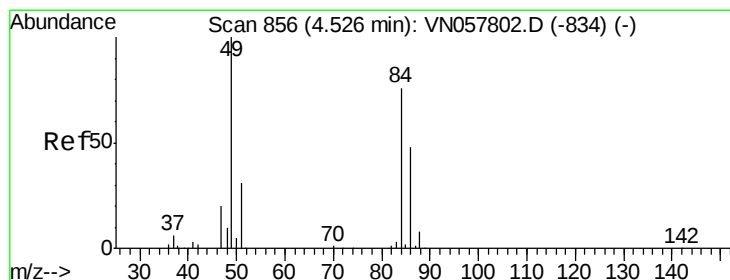
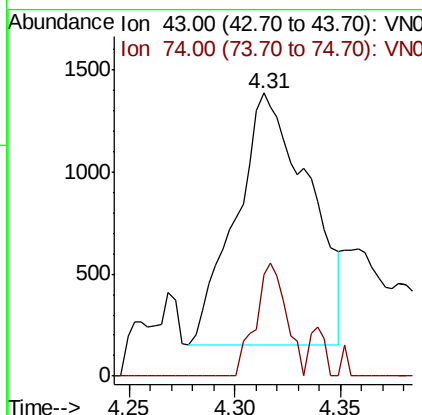
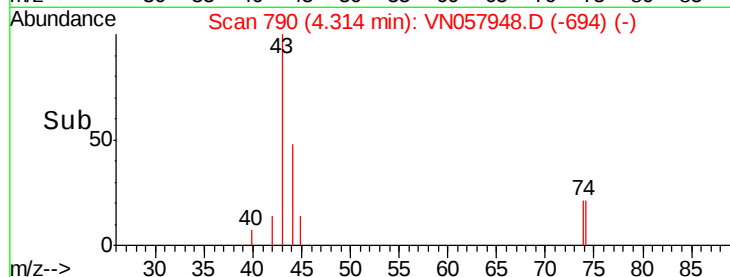
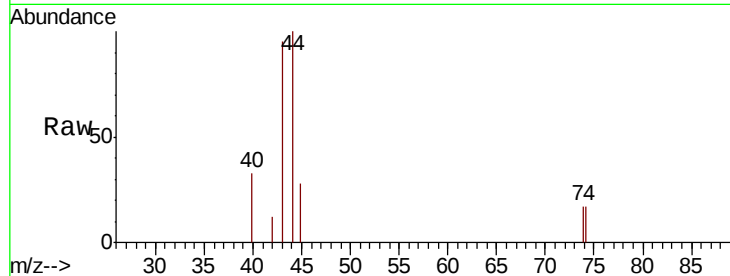




#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057948.D
Acq: 12 Sep 2019 00:35

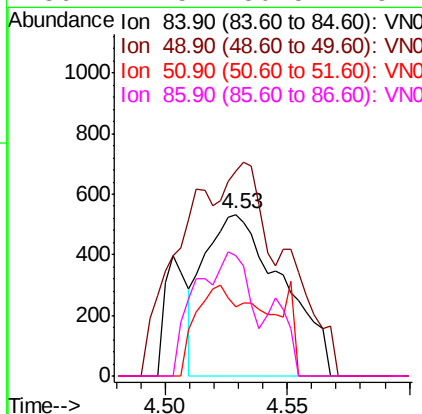
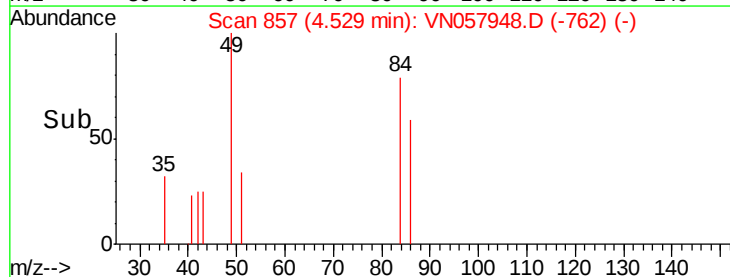
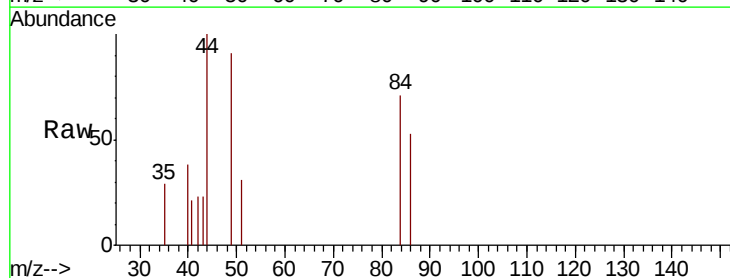
Instrument :
MSVOA_N
ClientSampled :
CBH-139-B

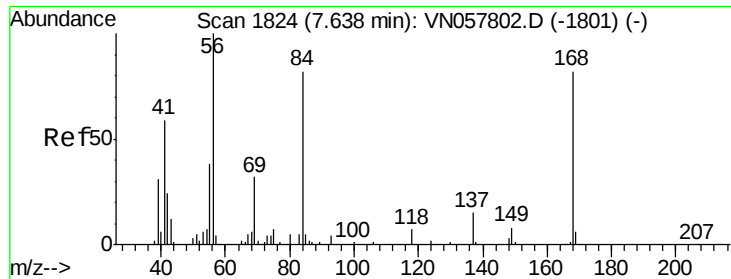
Tgt Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
74 18.8 17.9 26.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057948.D
Acq: 12 Sep 2019 00:35

Tgt Ion: 84 Resp: 1191
Ion Ratio Lower Upper
84 100
49 127.2 104.8 157.2
51 43.2 33.0 49.4
86 74.5 50.5 75.7

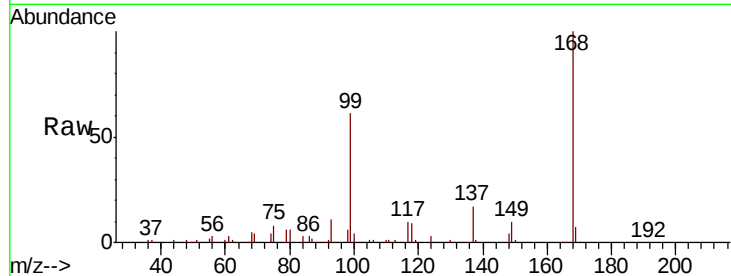




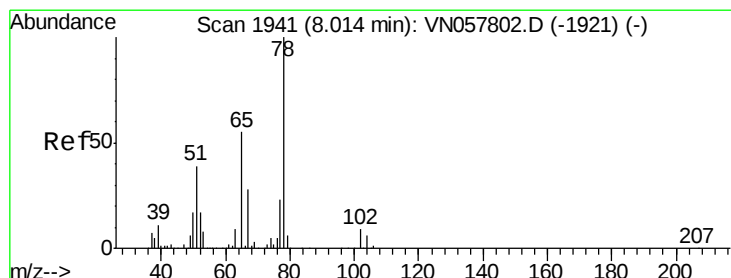
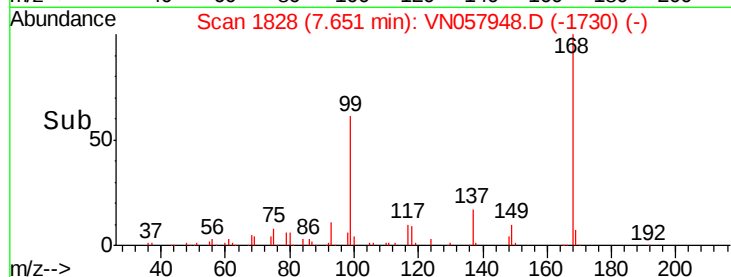
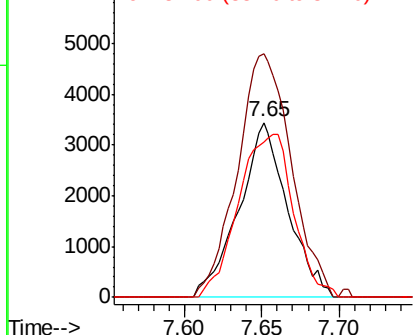
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057948.D
Acq: 12 Sep 2019 00:35

Instrument :
MSVOA_N
ClientSampleId :
CBH-139-B

Tgt Ion: 56 Resp: 7527
Ion Ratio Lower Upper
56 100
69 139.4 25.9 38.9#
84 89.2 65.6 98.4

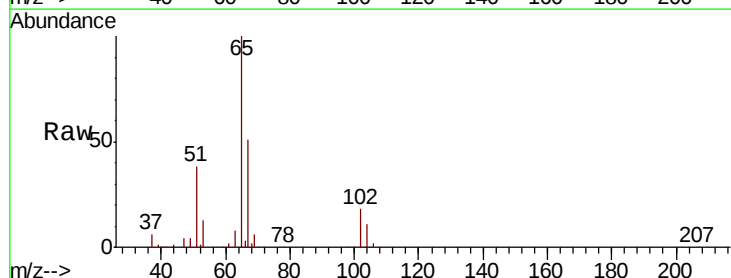


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

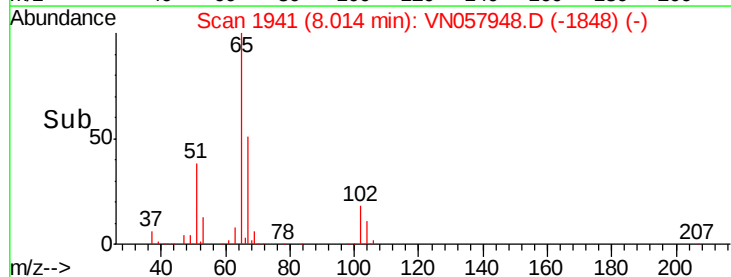
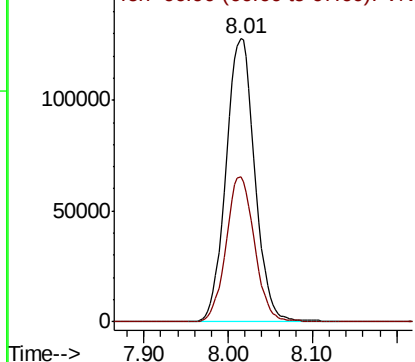


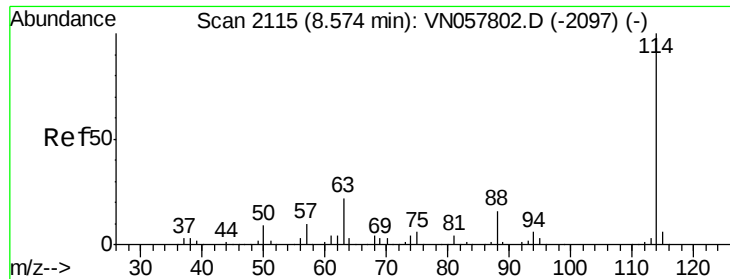
#33
1,2-Dichloroethane-d4
Concen: 53.445 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057948.D
Acq: 12 Sep 2019 00:35

Tgt Ion: 65 Resp: 303198
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.0



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

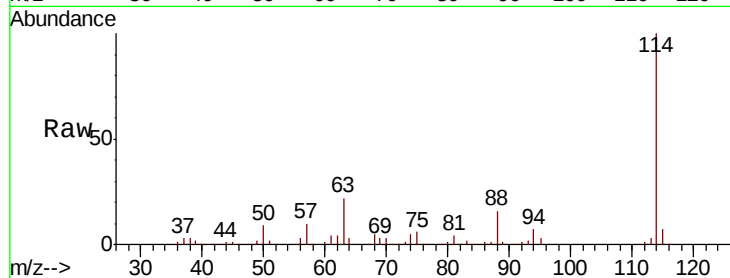




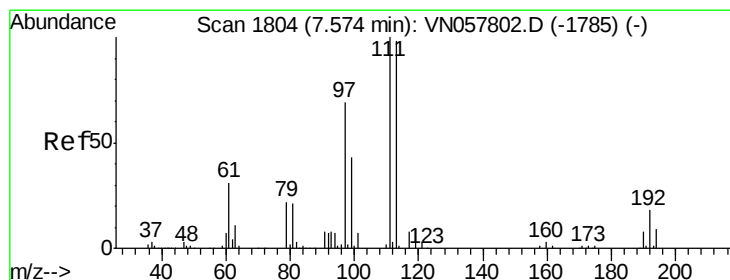
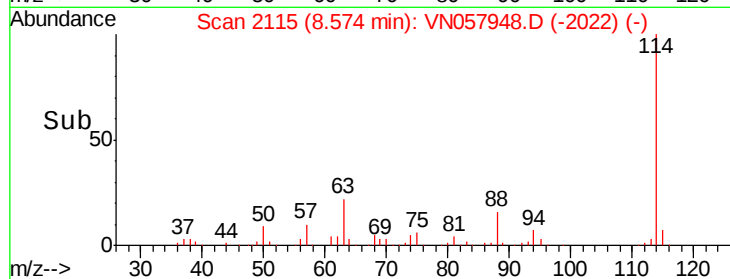
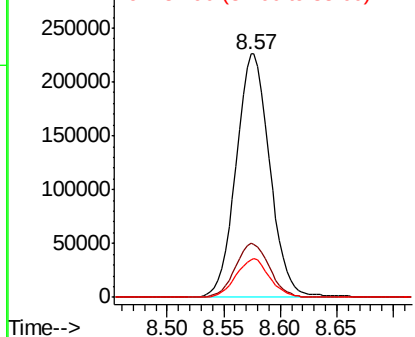
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057948.D
 Acq: 12 Sep 2019 00:35

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-B

Tgt Ion:114 Resp: 469250
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 15.5 0.0 31.4

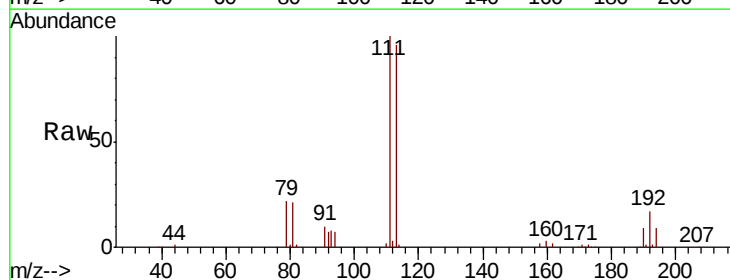


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

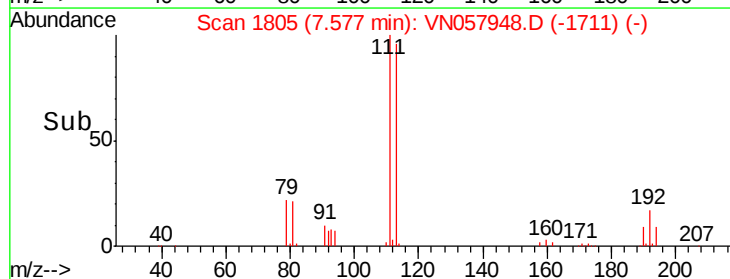
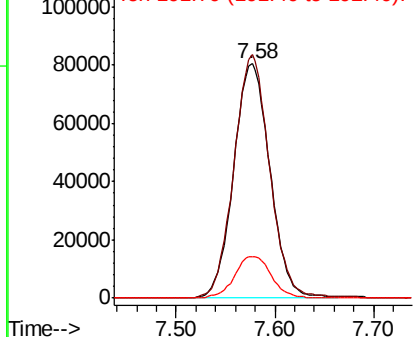


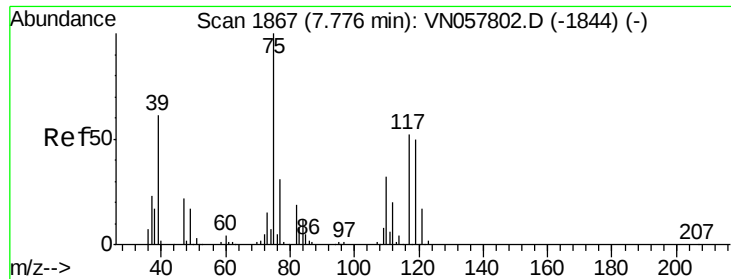
#35
 Dibromofluoromethane
 Concen: 47.494 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057948.D
 Acq: 12 Sep 2019 00:35

Tgt Ion:113 Resp: 205696
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.3 121.9
 192 18.0 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

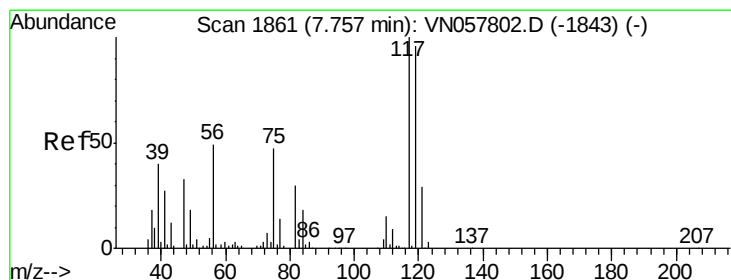
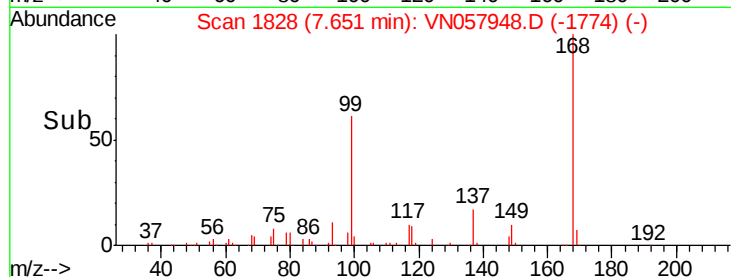
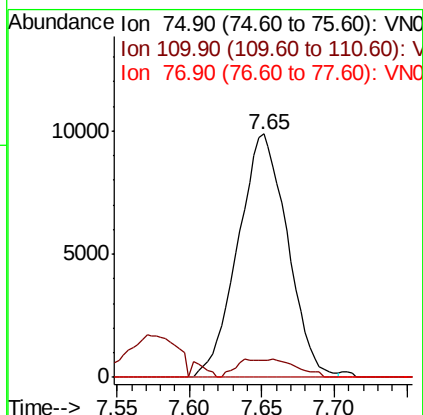
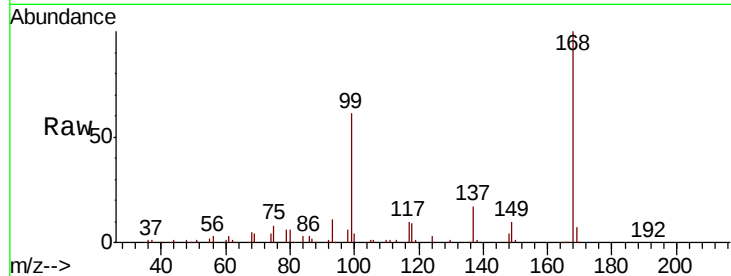




#36
 1,1-Dichloropropene
 Concen: 4.321 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057948.D
 Acq: 12 Sep 2019 00:35

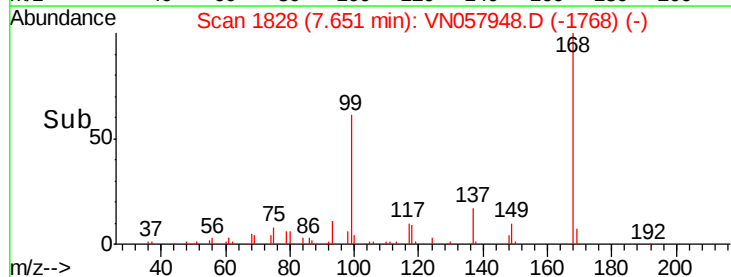
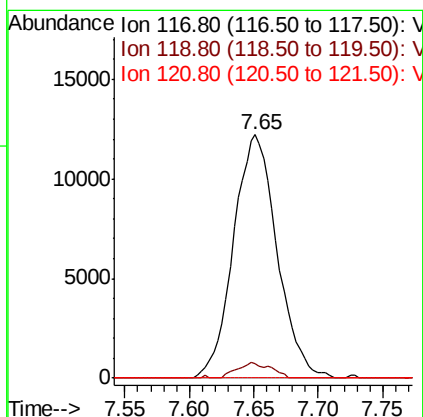
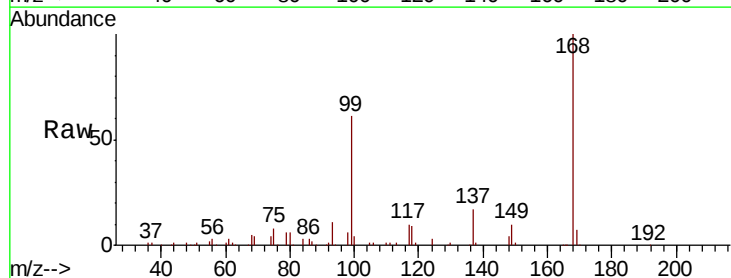
Instrument :
 MSVOA_N
 ClientSampled :
 CBH-139-B

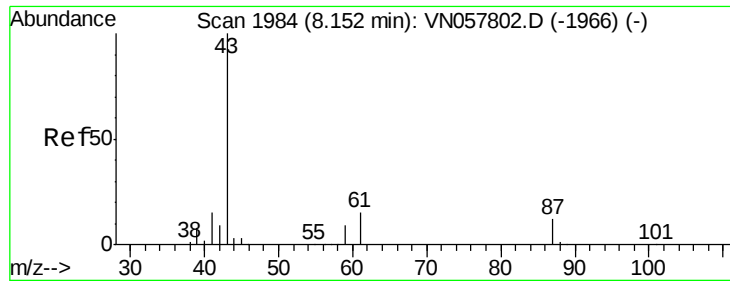
Tgt Ion: 75 Resp: 23516
 Ion Ratio Lower Upper
 75 100
 110 3.0 16.3 48.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.784 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057948.D
 Acq: 12 Sep 2019 00:35

Tgt Ion: 117 Resp: 28738
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.9 115.3#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 1.014 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.10 min

Lab File: VN057948.D

Acq: 12 Sep 2019 00:35

Instrument :

MSVOA_N

ClientSampleId :

CBH-139-B

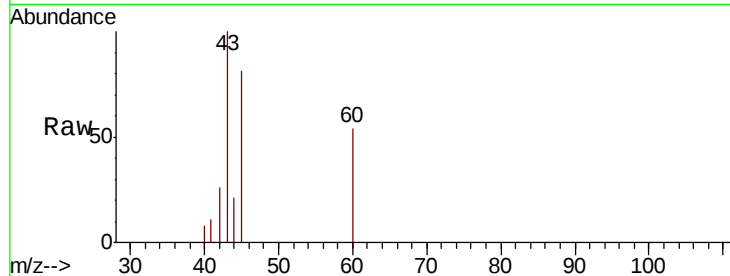
Tgt Ion: 43 Resp: 9584

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

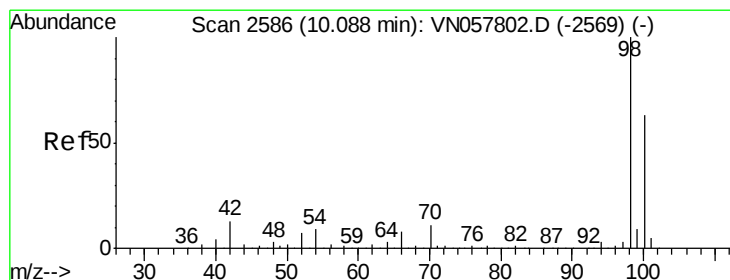
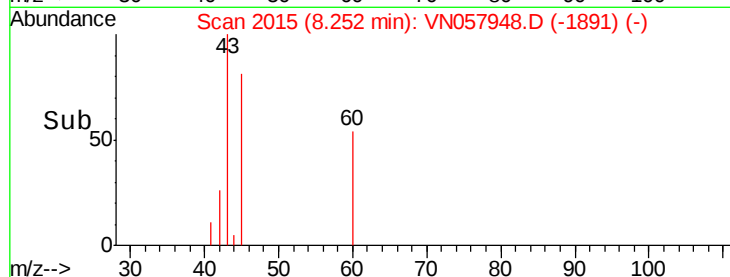
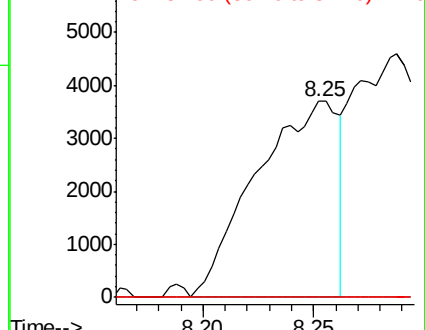
87 0.0 9.5 14.3#



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: 48.505 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057948.D

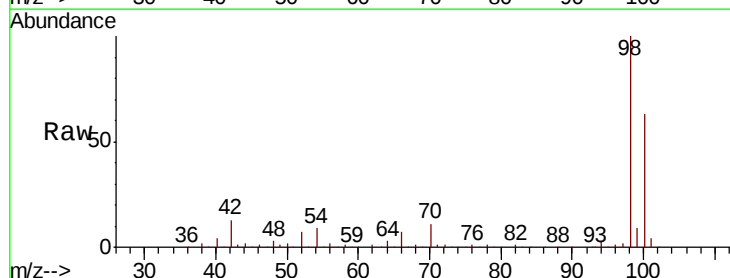
Acq: 12 Sep 2019 00:35

Tgt Ion: 98 Resp: 815629

Ion Ratio Lower Upper

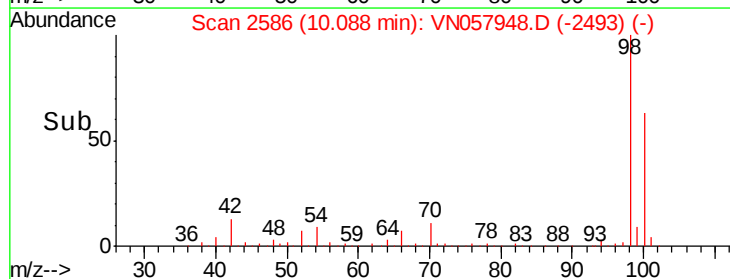
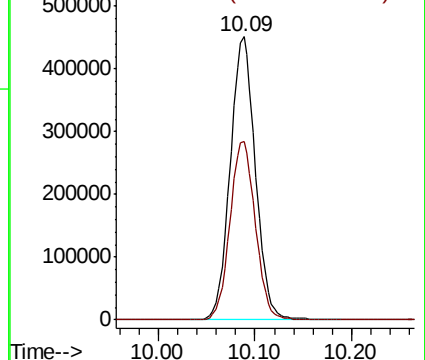
98 100

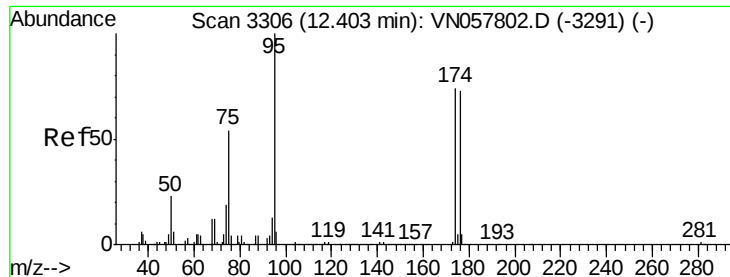
100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 41.917 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057948.D

Acq: 12 Sep 2019 00:35

Instrument :

MSVOA_N

ClientSampled :

CBH-139-B

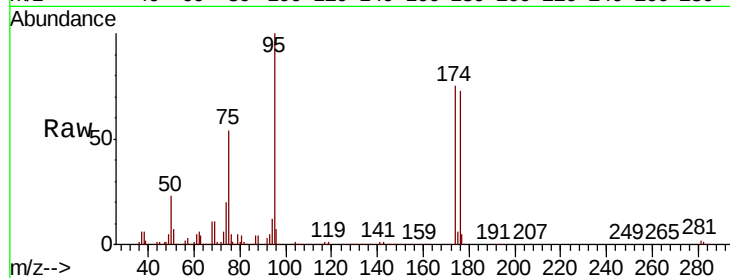
Tgt Ion: 95 Resp: 268610

Ion Ratio Lower Upper

95 100

174 73.1 0.0 150.2

176 71.4 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

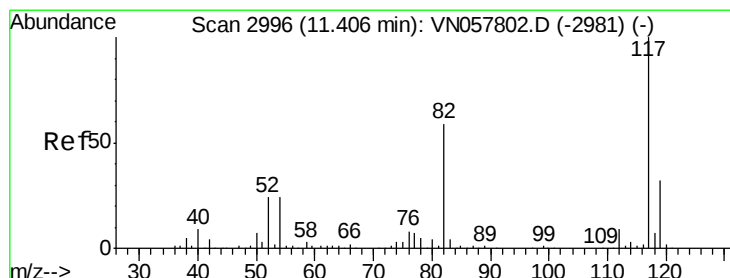
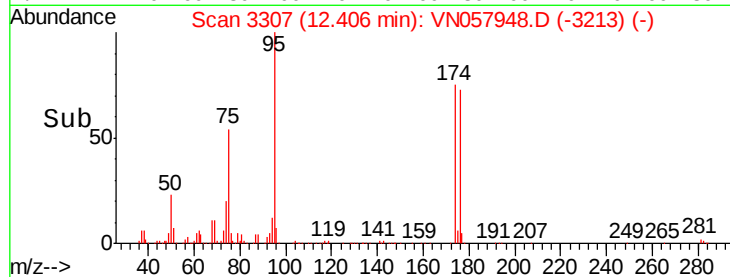
50000

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: VN057948.D

Acq: 12 Sep 2019 00:35

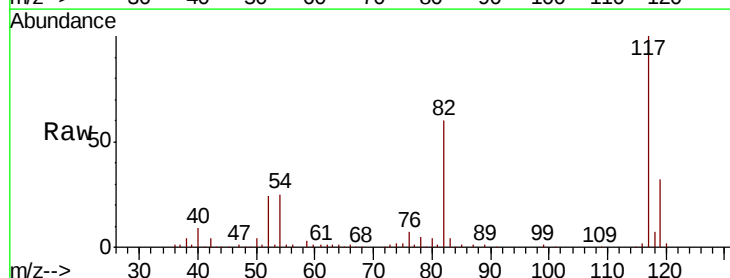
Tgt Ion: 117 Resp: 421434

Ion Ratio Lower Upper

117 100

82 59.6 47.2 70.8

119 32.3 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

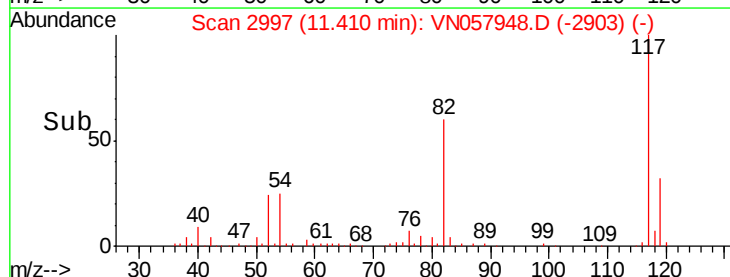
0

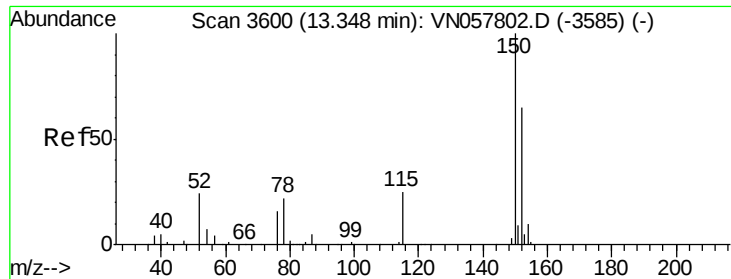
11.30

11.40

11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057948.D

Acq: 12 Sep 2019 00:35

Instrument :

MSVOA_N

ClientSampled :

CBH-139-B

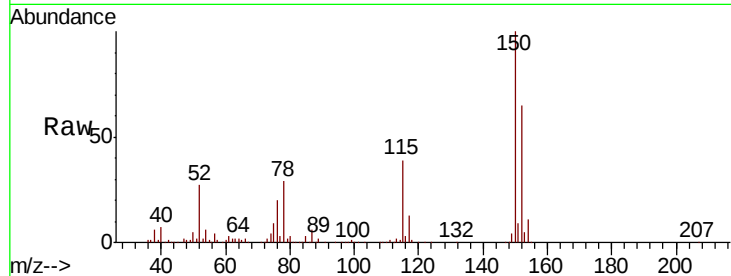
Tgt Ion:152 Resp: 218933

Ion Ratio Lower Upper

152 100

115 59.9 30.3 91.0

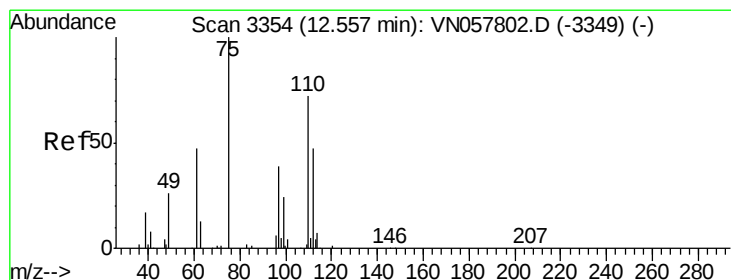
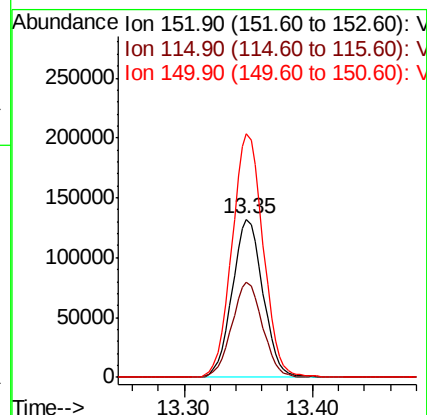
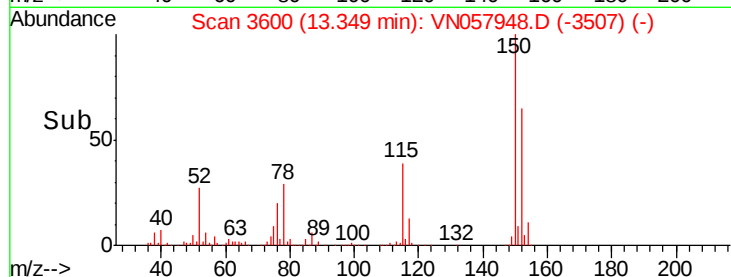
150 155.5 0.0 352.4



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: 30.047 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057948.D

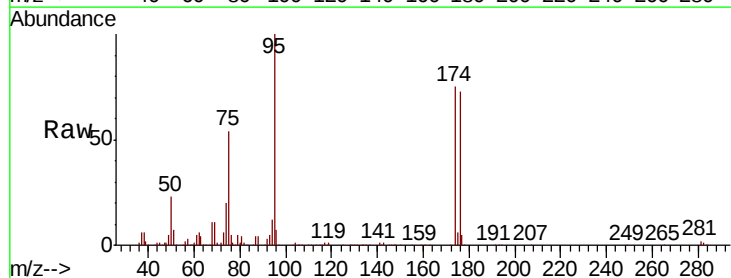
Acq: 12 Sep 2019 00:35

Tgt Ion: 75 Resp: 148812

Ion Ratio Lower Upper

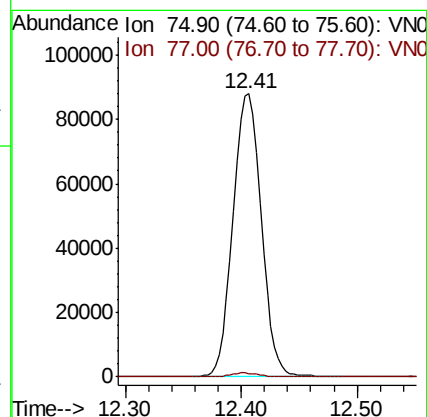
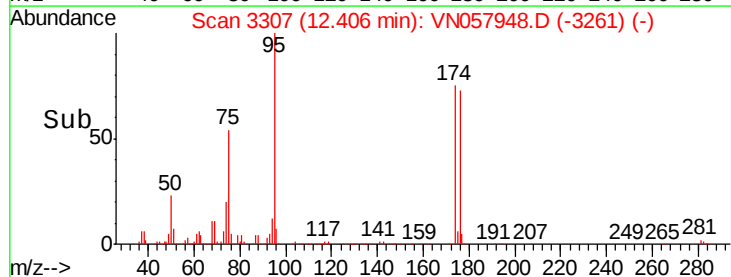
75 100

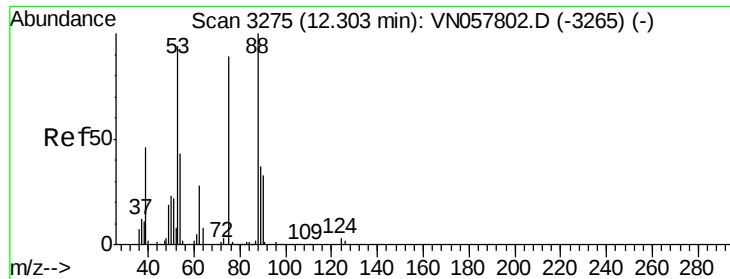
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

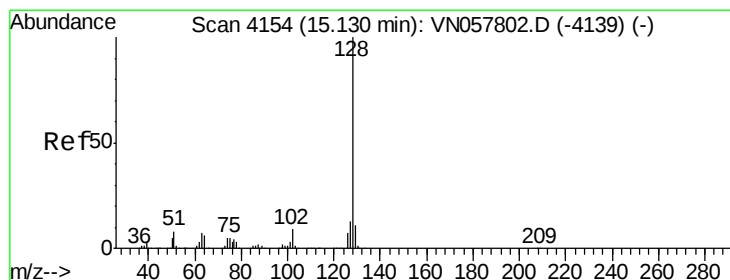
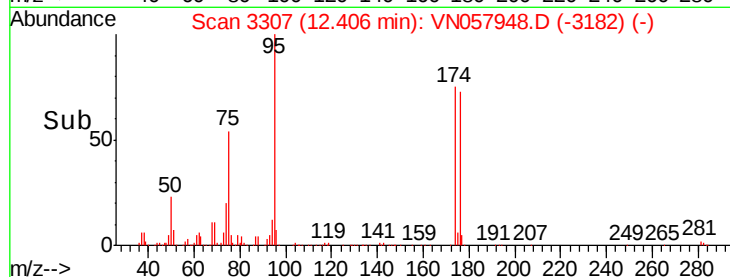
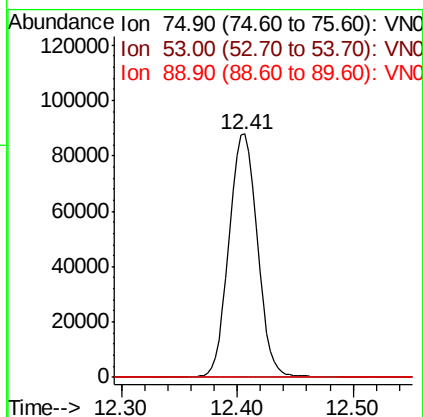
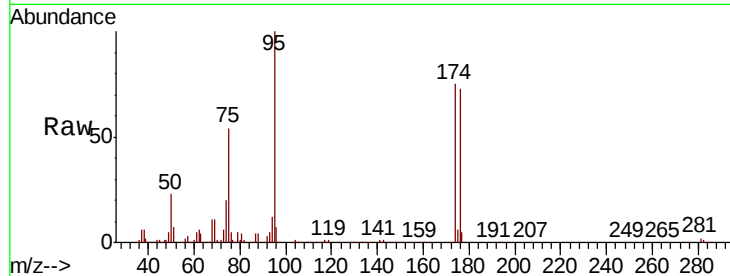




#81
trans-1,4-Dichloro-2-butene
Concen: 105.736 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN057948.D
Acq: 12 Sep 2019 00:35

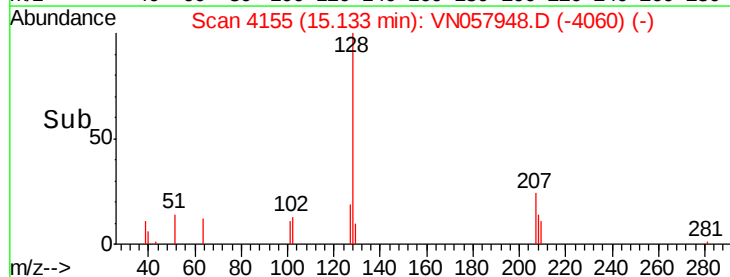
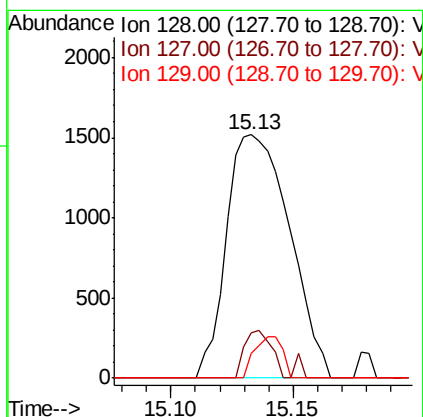
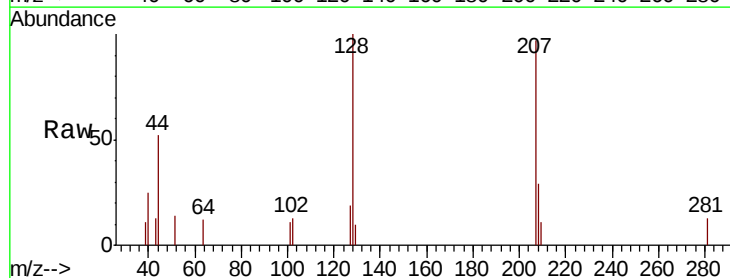
Instrument :
MSVOA_N
ClientSampleId :
CBH-139-B

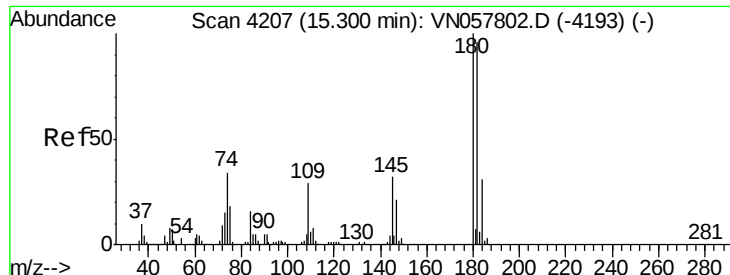
Tgt Ion: 75 Resp: 148812
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057948.D
Acq: 12 Sep 2019 00:35

Tgt Ion: 128 Resp: 2726
Ion Ratio Lower Upper
128 100
127 8.2 10.3 15.5#
129 7.4 8.6 12.8#

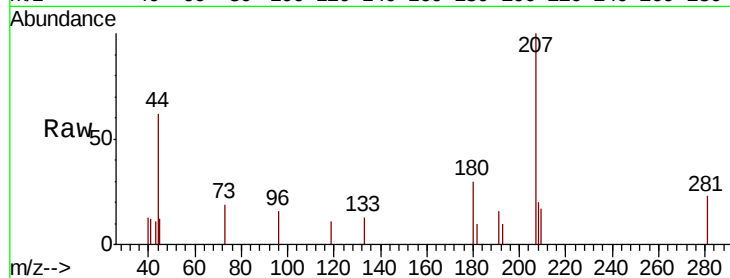




#96
 1,2,3-Trichlorobenzene
 Concen: 1.138 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.01 min
 Lab File: VN057948.D
 Acq: 12 Sep 2019 00:35

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-B

Tgt Ion	Ratio	Lower	Upper
180	100		
182	72.8	48.3	144.8
145	25.9	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

