

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057947.D
 Acq On : 12 Sep 2019 00:13
 Operator : JC/SP
 Sample : K4848-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-A

Quant Time: Sep 12 02:34:15 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	279219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	473051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	215951	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	317157	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
35) Dibromofluoromethane	7.58	113	214795	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	10.09	98	859148	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.41	95	279519	43.27	ug/l	0.00
Spiked Amount			Recovery	=	86.54%	

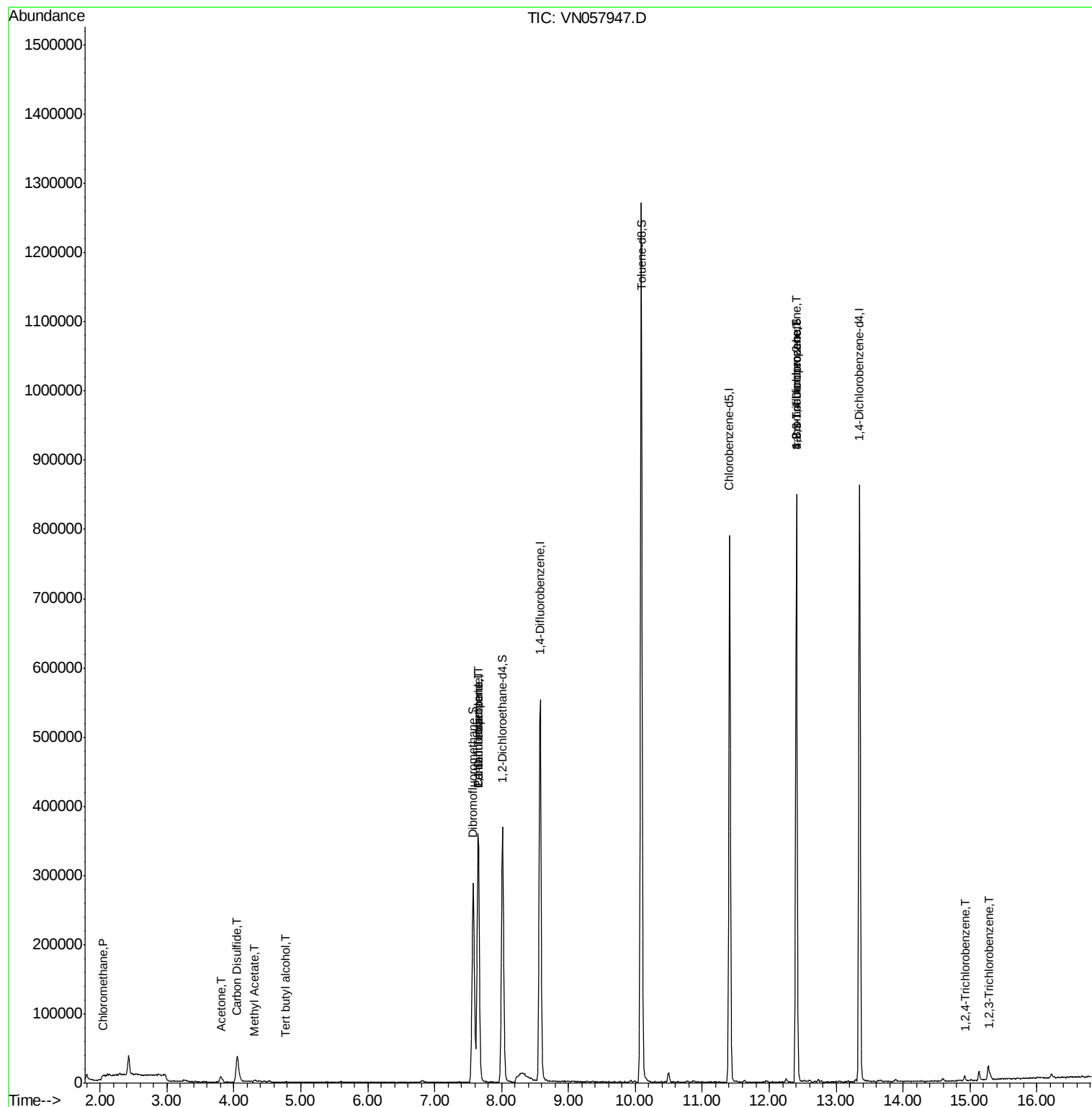
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1135	0.288	ug/l	98
5) Bromomethane	2.54	94	759	Below Cal	#	48
11) Tert butyl alcohol	4.77	59	439	0.641	ug/l #	72
16) Acetone	3.81	43	14137	7.625	ug/l	98
17) Carbon Disulfide	4.03	76	905	0.354	ug/l #	75
18) Methyl Acetate	4.31	43	3306	0.669	ug/l #	71
20) Methylene Chloride	4.53	84	1335	Below Cal	#	57
31) Cyclohexane	7.64	56	3340	Below Cal	#	20
36) 1,1-Dichloropropene	7.65	75	24336	4.436	ug/l #	53
38) Carbon Tetrachloride	7.65	117	28738	5.737	ug/l #	17
76) 1,2,3-Trichloropropane	12.41	75	152619	31.241	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	152619	109.938	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.92	180	2208	0.441	ug/l	95
95) Naphthalene	15.13	128	10166	Below Cal		99
96) 1,2,3-Trichlorobenzene	15.30	180	2611	1.584	ug/l	97

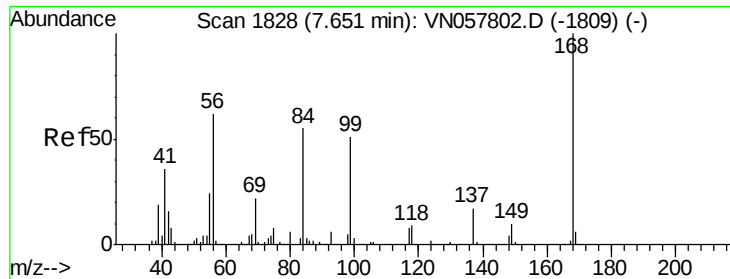
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
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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: VN057947.D

Acq: 12 Sep 2019 00:13

Instrument :

MSVOA_N

ClientSampled :

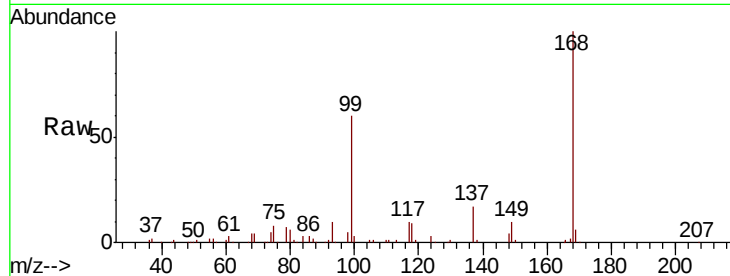
CBH-139-A

Tgt Ion:168 Resp: 279219

Ion Ratio Lower Upper

168 100

99 60.5 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

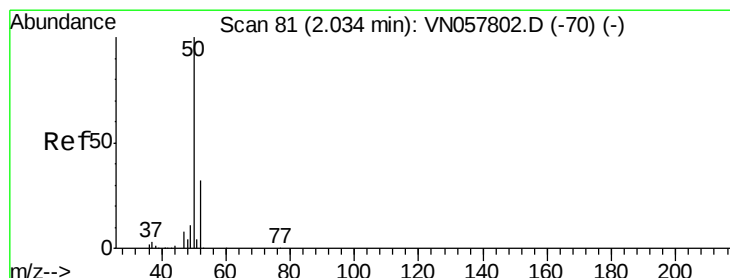
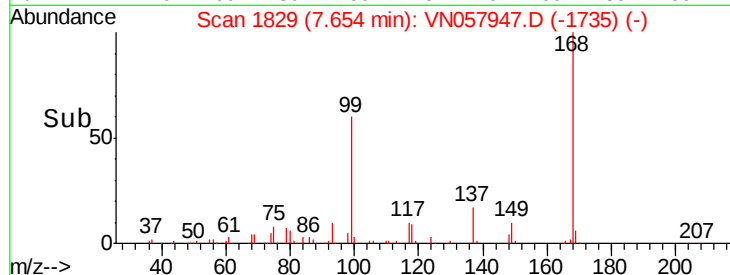
7.65

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.288 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057947.D

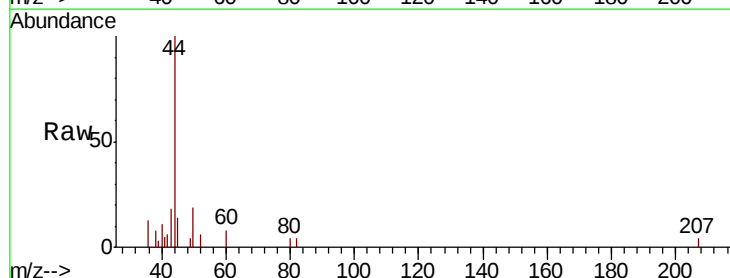
Acq: 12 Sep 2019 00:13

Tgt Ion: 50 Resp: 1135

Ion Ratio Lower Upper

50 100

52 31.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

1000

800

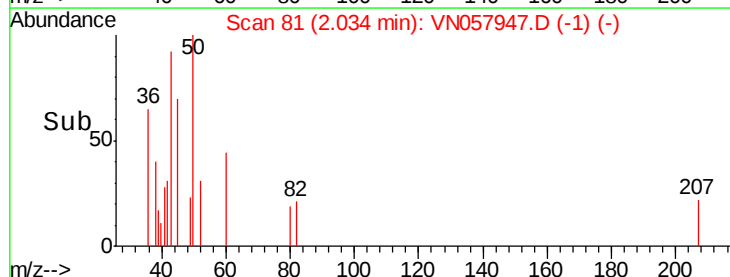
600

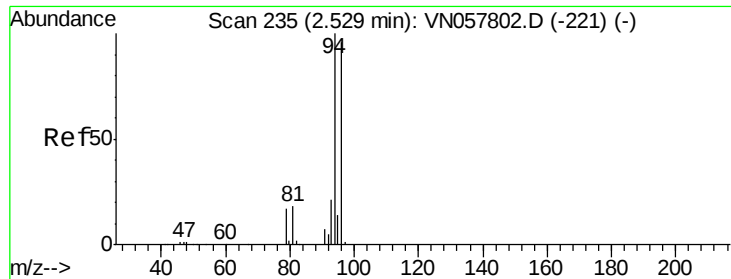
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

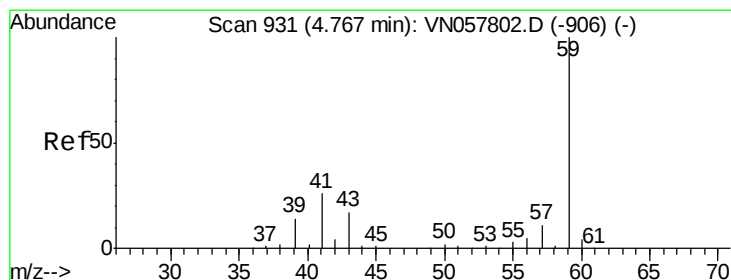
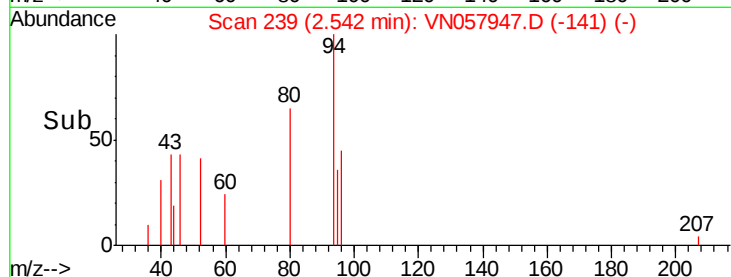
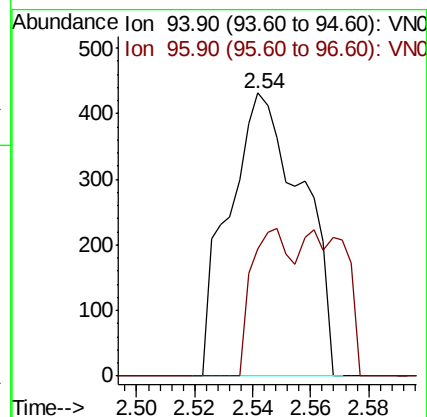
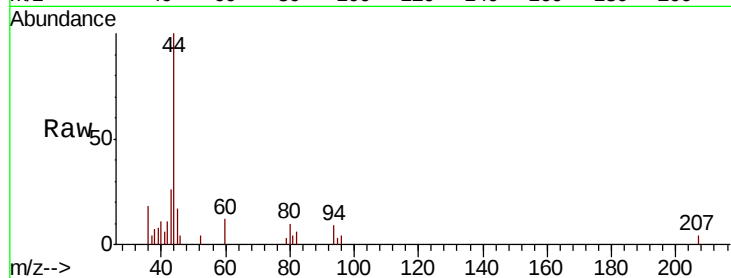
CBH-139-A

Tgt Ion: 94 Resp: 759

Ion Ratio Lower Upper

94 100

96 44.9 77.0 115.4#



#11

Tert butyl alcohol

Concen: 0.641 ug/l

RT: 4.77 min Scan# 932

Delta R.T. 0.00 min

Lab File: VN057947.D

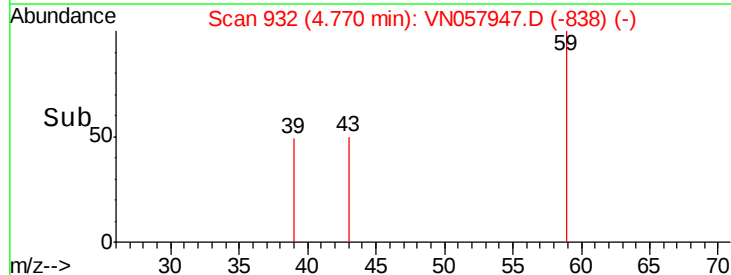
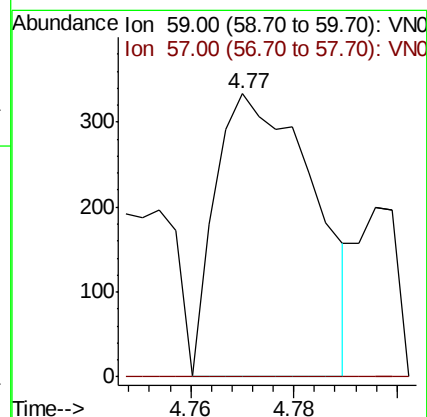
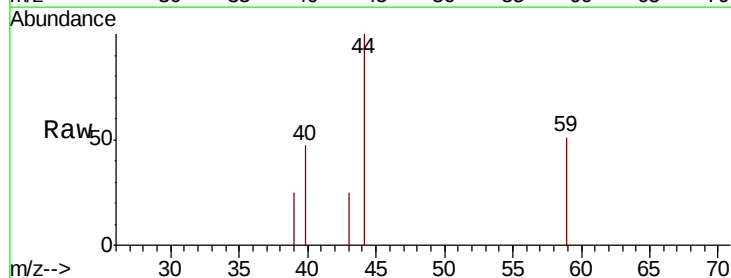
Acq: 12 Sep 2019 00:13

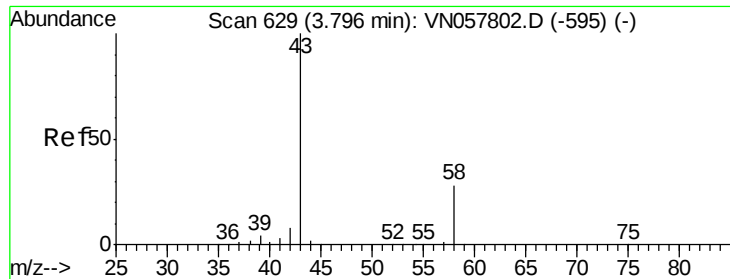
Tgt Ion: 59 Resp: 439

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#16

Acetone

Concen: 7.625 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

Instrument :

MSVOA_N

ClientSampled :

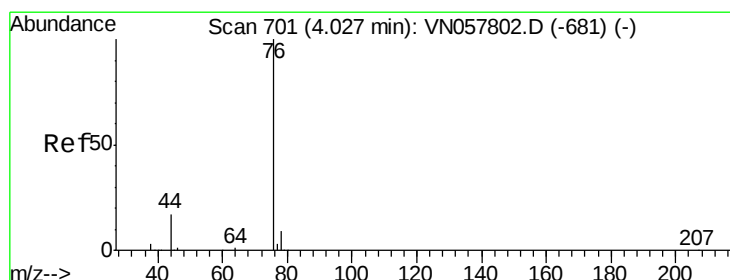
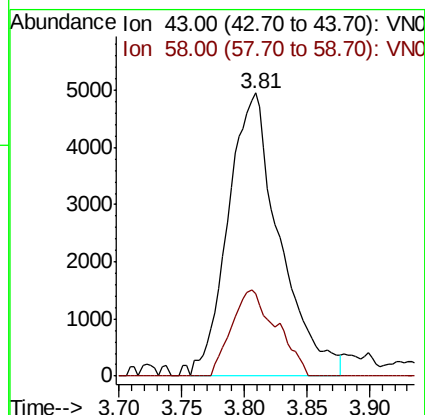
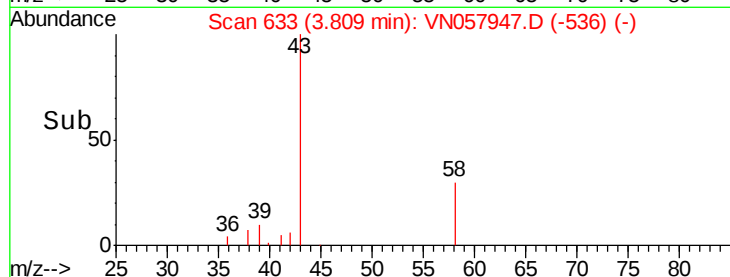
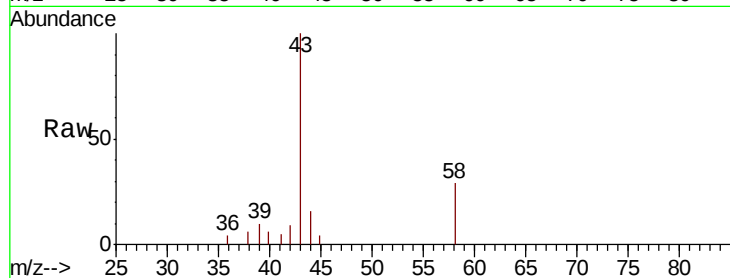
CBH-139-A

Tgt Ion: 43 Resp: 14137

Ion Ratio Lower Upper

43 100

58 29.0 22.2 33.2



#17

Carbon Disulfide

Concen: 0.354 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057947.D

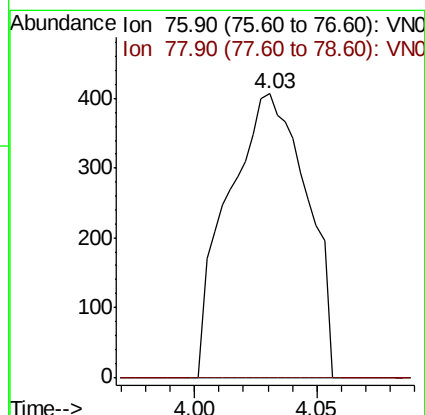
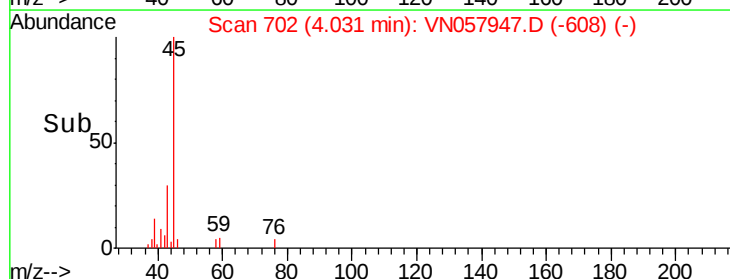
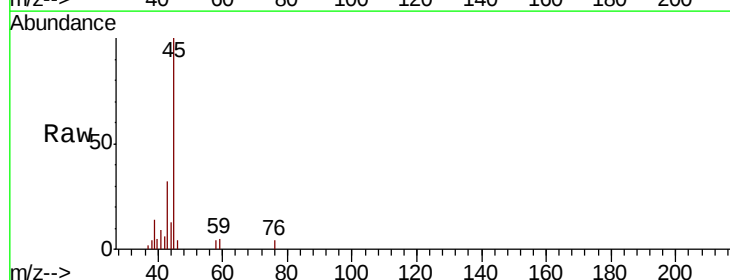
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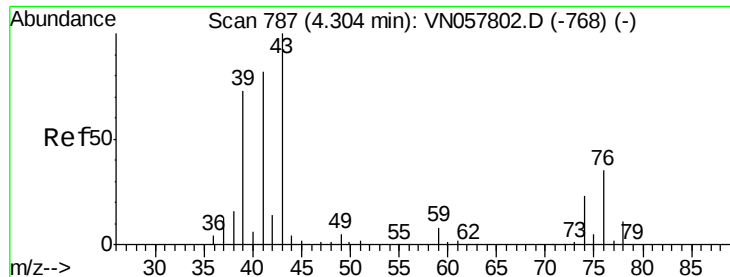
Tgt Ion: 76 Resp: 905

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

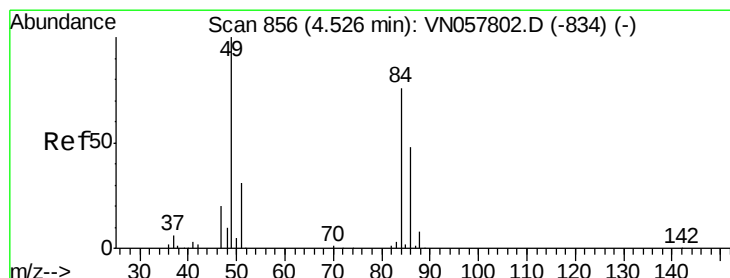
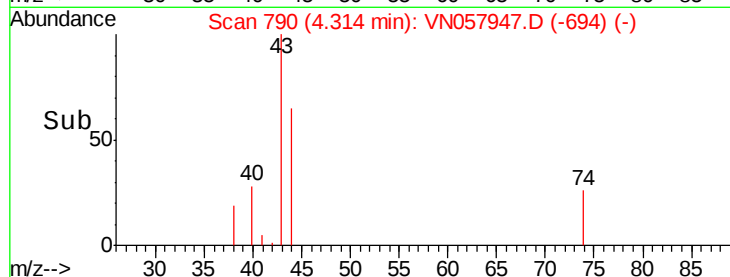
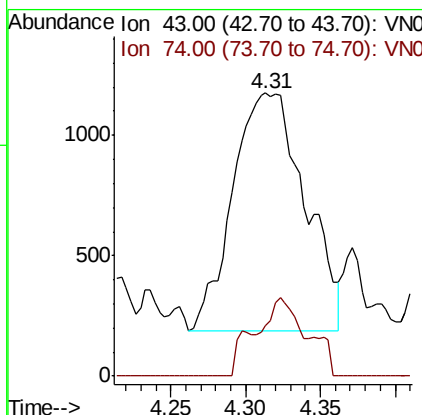
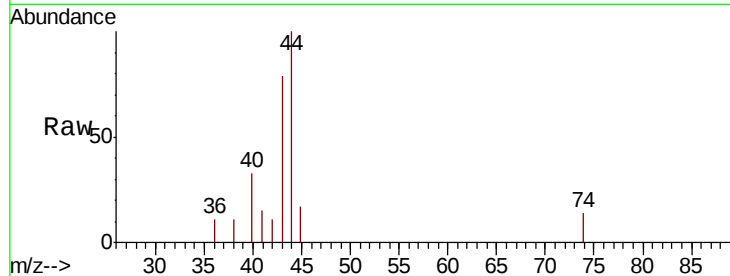




#18
Methyl Acetate
Concen: 0.669 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057947.D
Acq: 12 Sep 2019 00:13

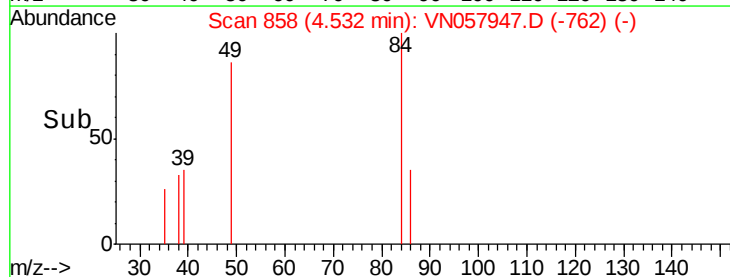
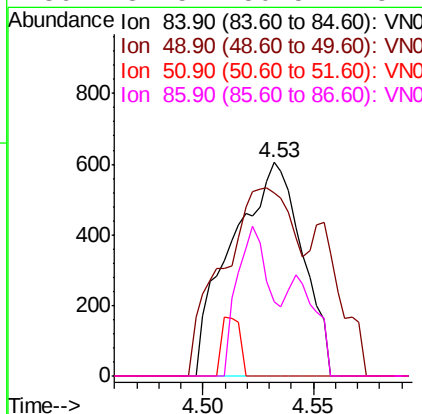
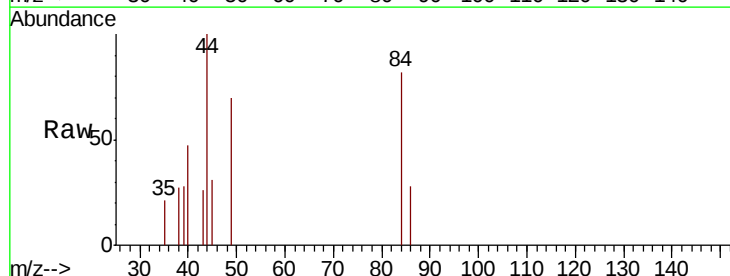
Instrument :
MSVOA_N
ClientSampled :
CBH-139-A

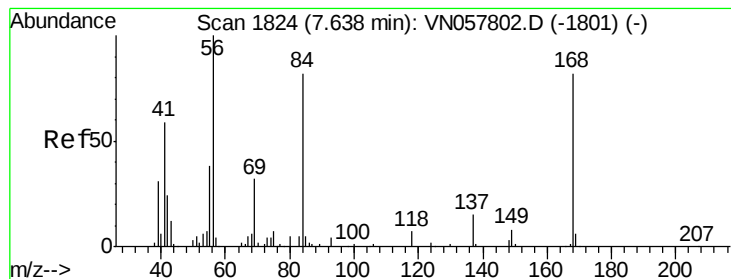
Tgt Ion: 43 Resp: 3306
Ion Ratio Lower Upper
43 100
74 8.3 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057947.D
Acq: 12 Sep 2019 00:13

Tgt Ion: 84 Resp: 1335
Ion Ratio Lower Upper
84 100
49 86.0 104.8 157.2#
51 0.0 33.0 49.4#
86 34.5 50.5 75.7#





#31

Cyclohexane

Concen: Below Cal

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

Instrument :

MSVOA_N

ClientSampled :

CBH-139-A

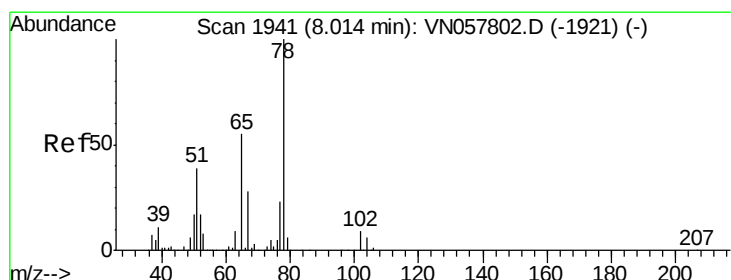
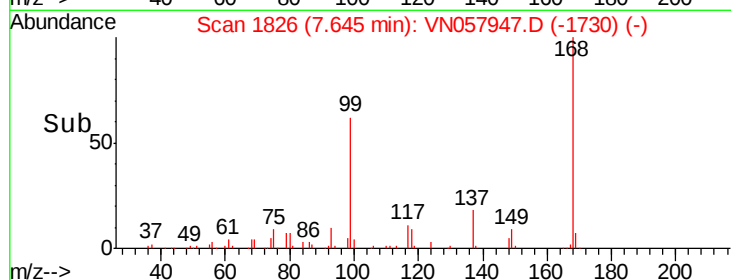
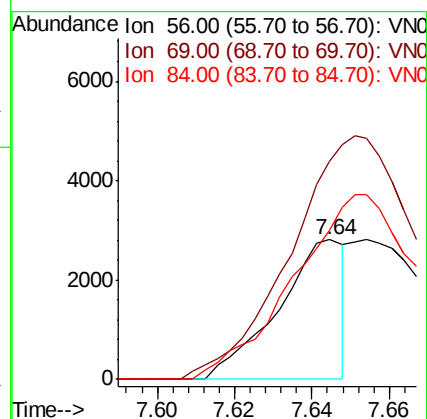
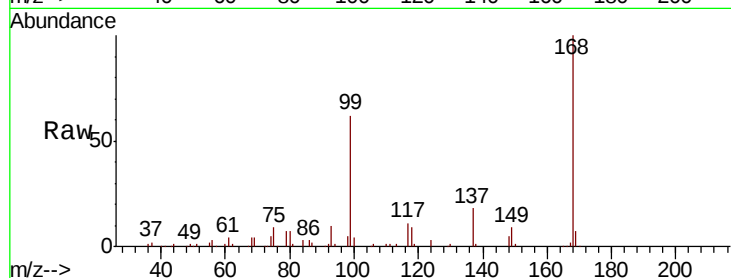
Tgt Ion: 56 Resp: 3340

Ion Ratio Lower Upper

56 100

69 150.6 25.9 38.9#

84 106.8 65.6 98.4#



#33

1,2-Dichloroethane-d4

Concen: 56.081 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057947.D

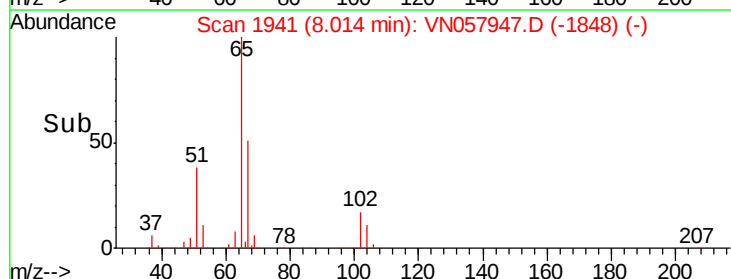
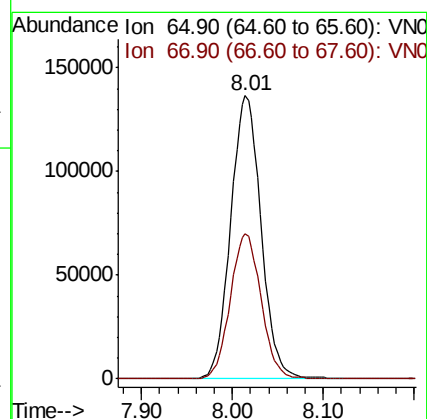
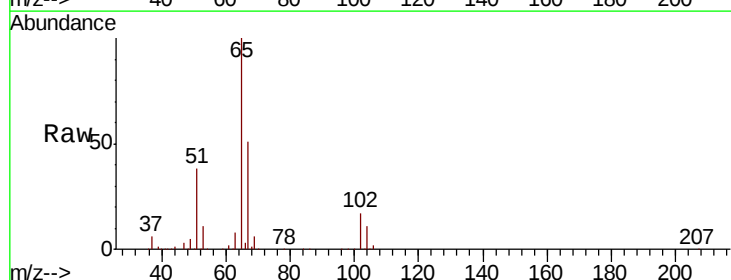
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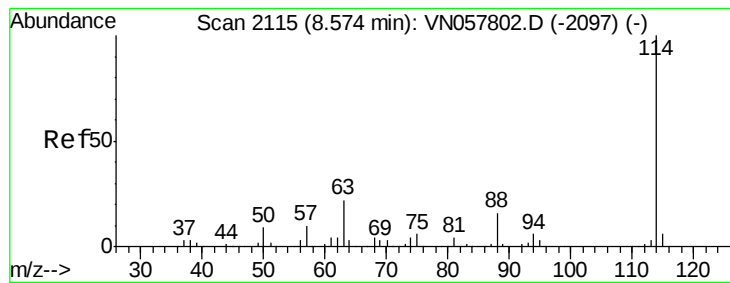
Tgt Ion: 65 Resp: 317157

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

CBH-139-A

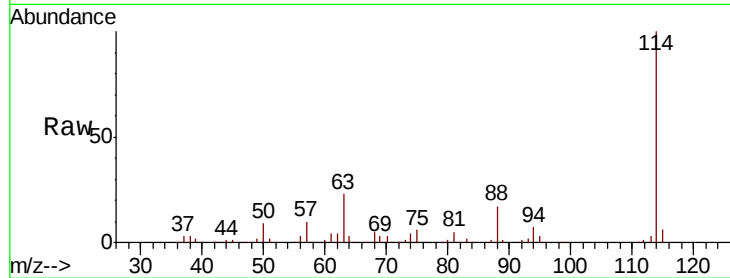
Tgt Ion:114 Resp: 473051

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.0

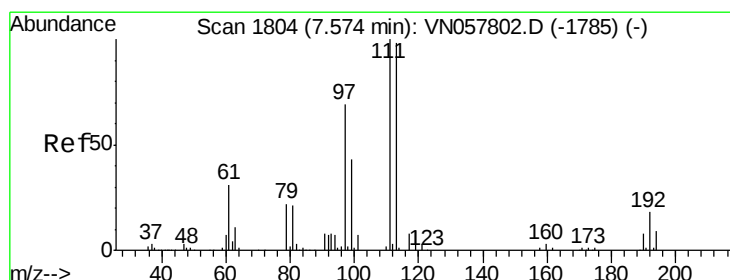
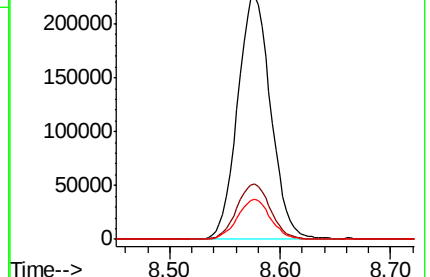
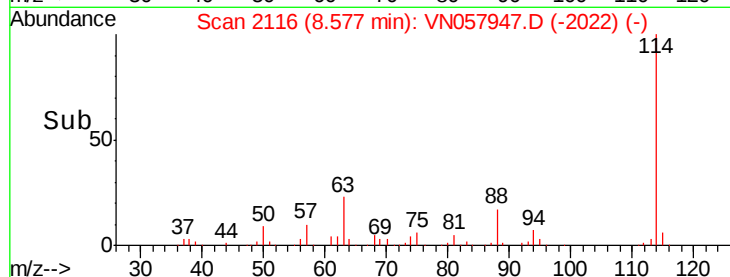
88 16.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.196 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

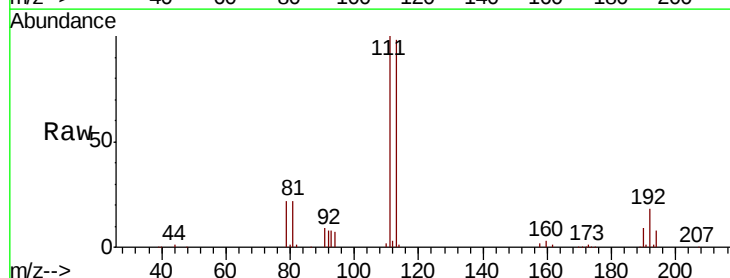
Tgt Ion:113 Resp: 214795

Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

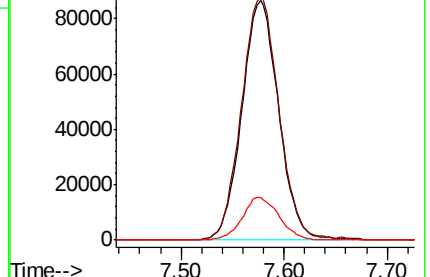
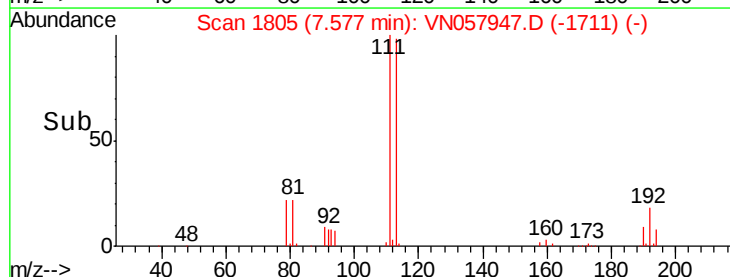
192 18.0 14.6 22.0

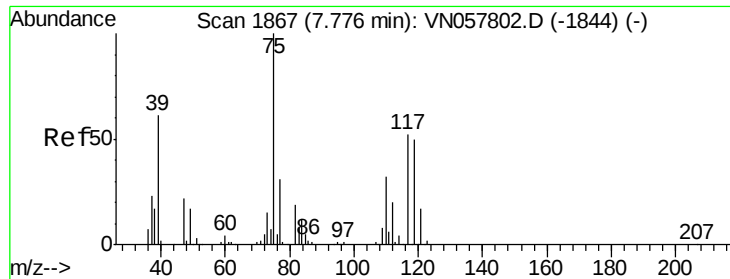


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

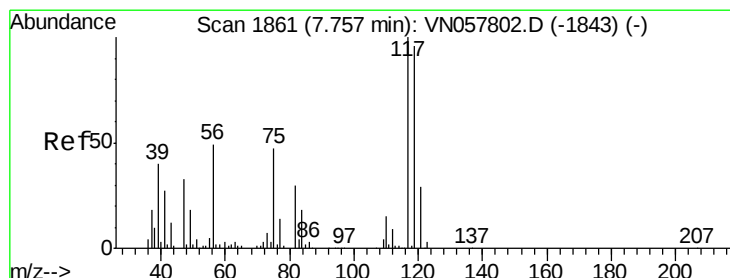
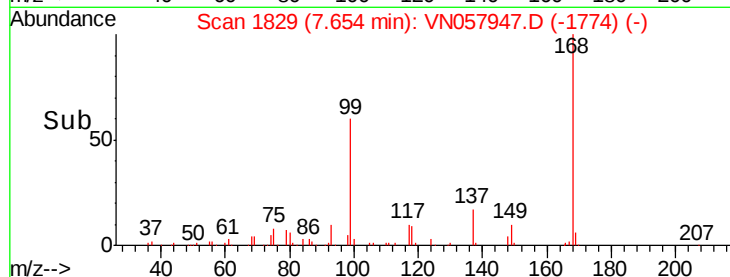
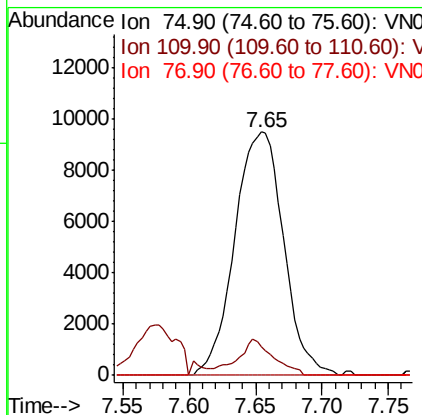
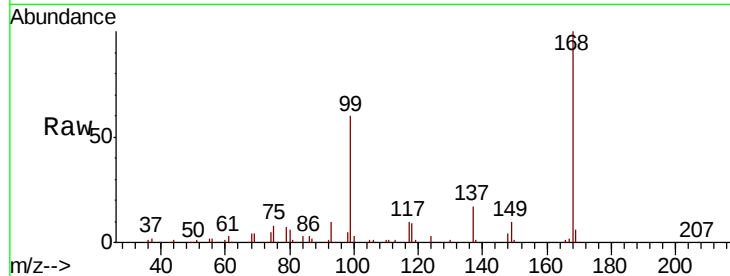




#36
 1,1-Dichloropropene
 Concen: 4.436 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057947.D
 Acq: 12 Sep 2019 00:13

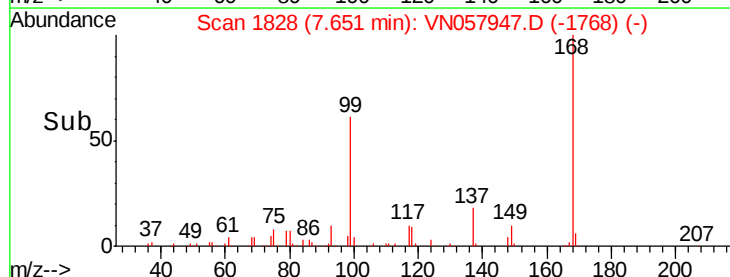
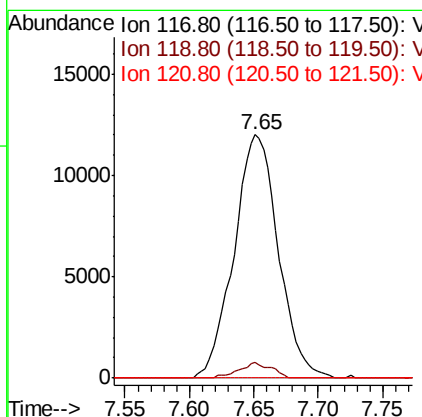
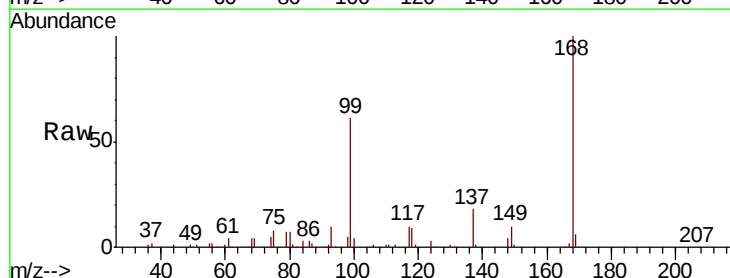
Instrument :
 MSVOA_N
 ClientSampleID :
 CBH-139-A

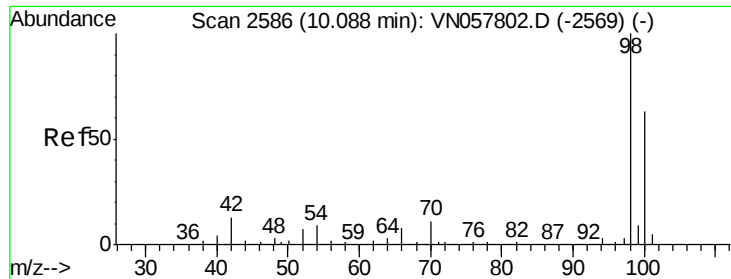
Tgt Ion: 75 Resp: 24336
 Ion Ratio Lower Upper
 75 100
 110 10.8 16.3 48.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.737 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057947.D
 Acq: 12 Sep 2019 00:13

Tgt Ion: 117 Resp: 28738
 Ion Ratio Lower Upper
 117 100
 119 6.5 76.9 115.3#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 50.683 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

Instrument :

MSVOA_N

ClientSampled :

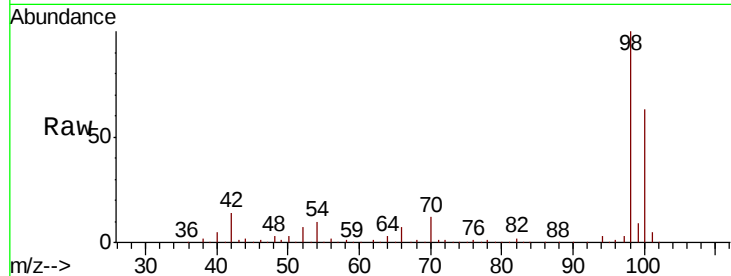
CBH-139-A

Tgt Ion: 98 Resp: 859148

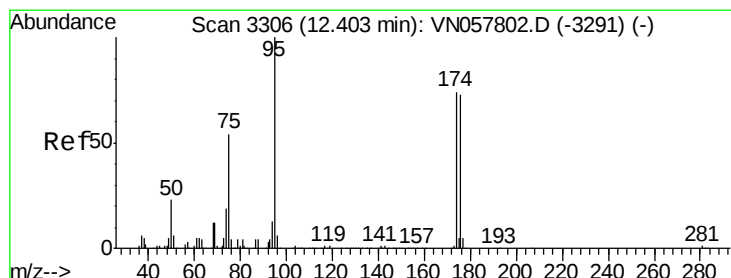
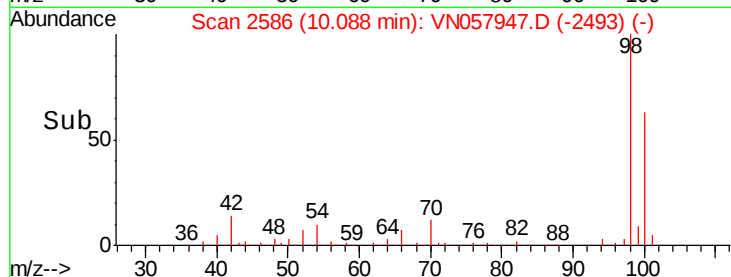
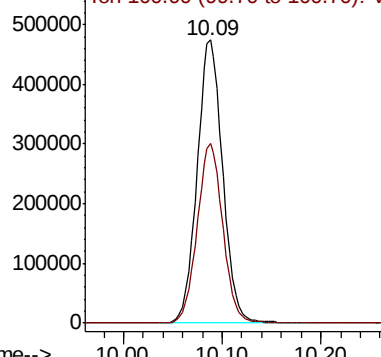
Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: 43.269 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

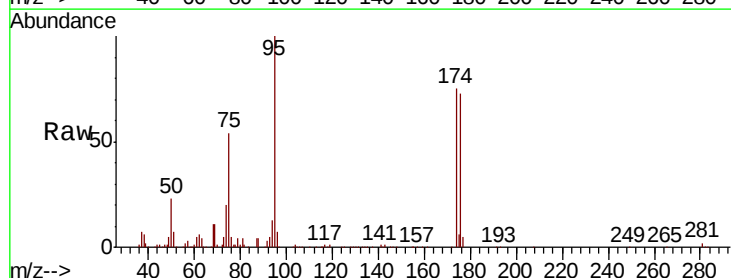
Tgt Ion: 95 Resp: 279519

Ion Ratio Lower Upper

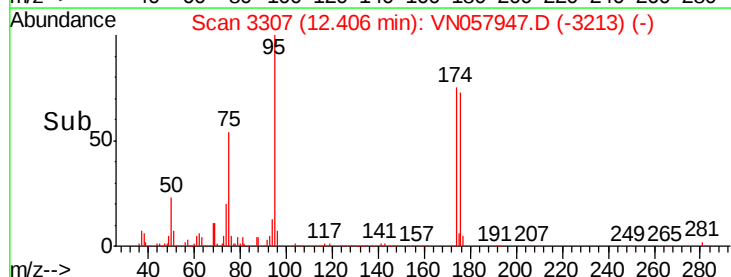
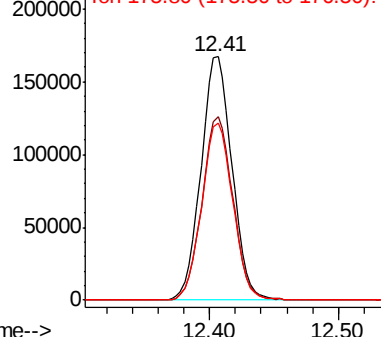
95 100

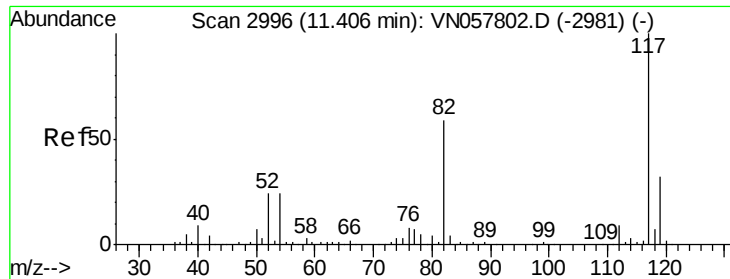
174 74.8 0.0 150.2

176 72.9 0.0 146.0



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

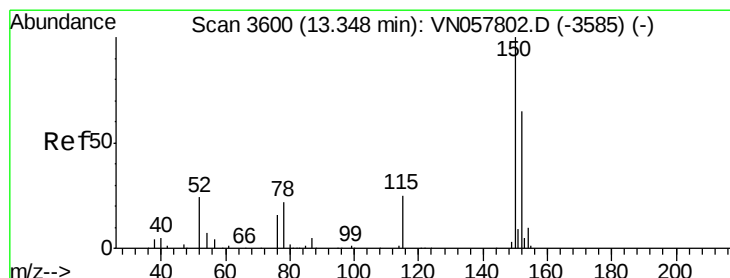
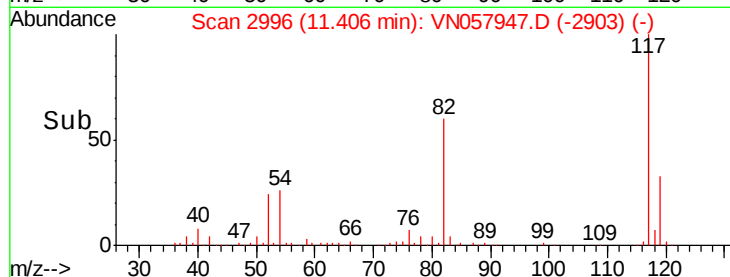
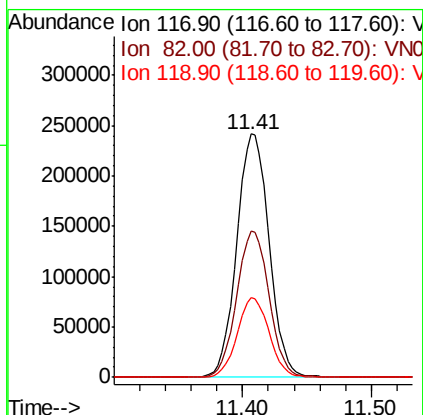
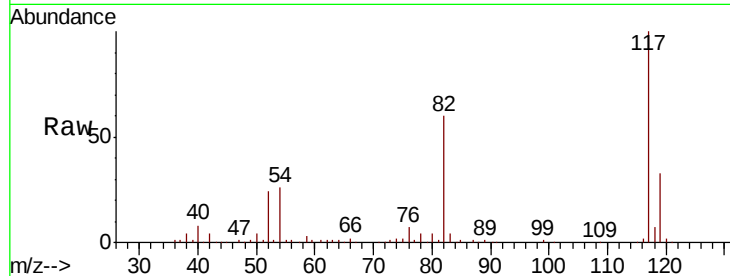




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057947.D
Acq: 12 Sep 2019 00:13

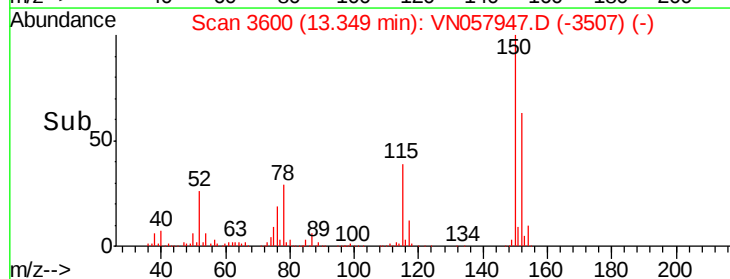
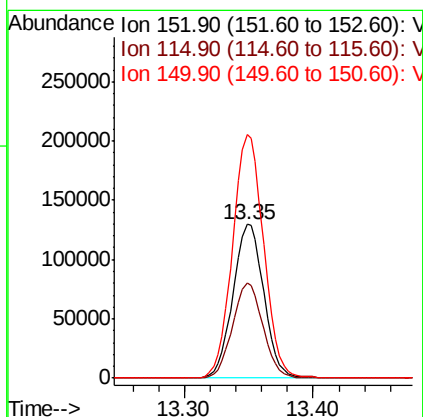
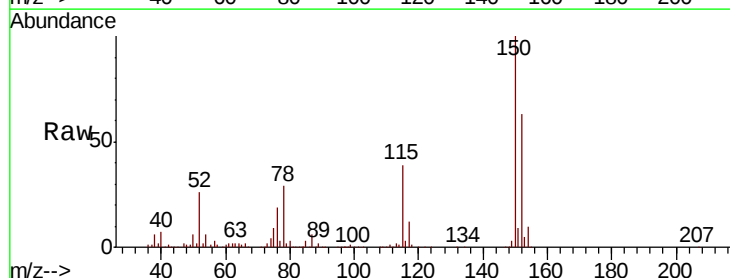
Instrument :
MSVOA_N
ClientSampleId :
CBH-139-A

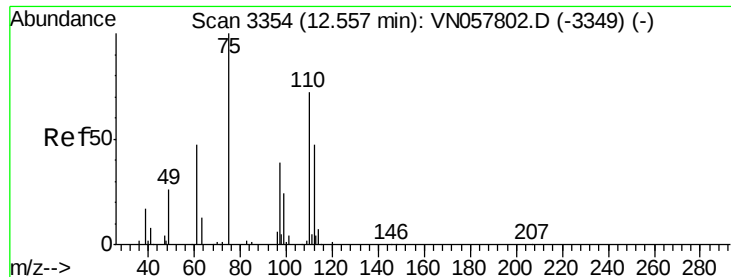
Tgt Ion:117 Resp: 421881
Ion Ratio Lower Upper
117 100
82 60.2 47.2 70.8
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057947.D
Acq: 12 Sep 2019 00:13

Tgt Ion:152 Resp: 215951
Ion Ratio Lower Upper
152 100
115 61.1 30.3 91.0
150 159.1 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 31.241 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

Instrument :

MSVOA_N

ClientSampled :

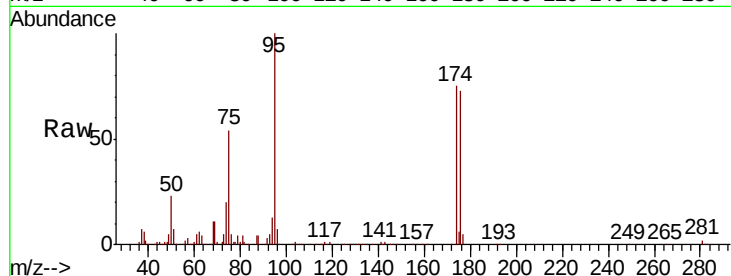
CBH-139-A

Tgt Ion: 75 Resp: 152619

Ion Ratio Lower Upper

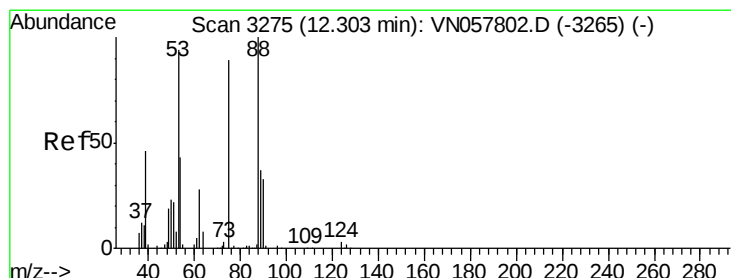
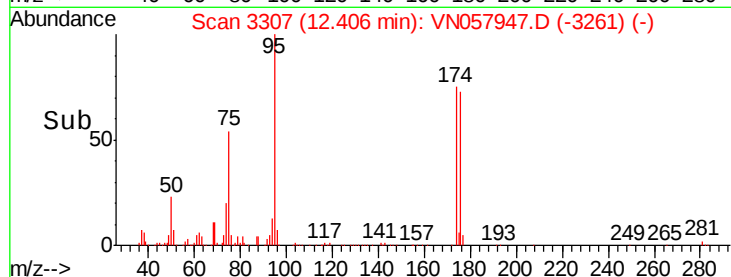
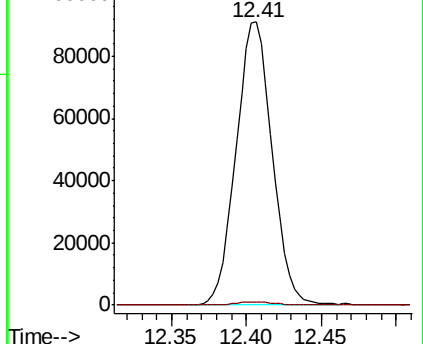
75 100

77 1.2 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: 109.938 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057947.D

Acq: 12 Sep 2019 00:13

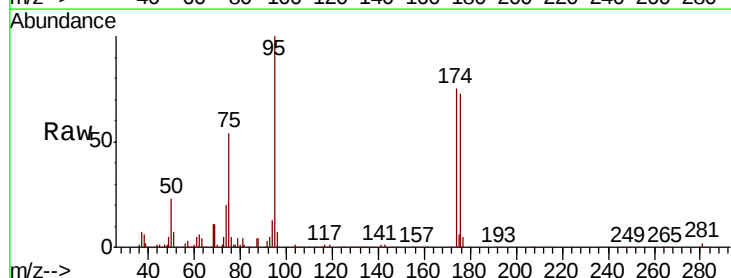
Tgt Ion: 75 Resp: 152619

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

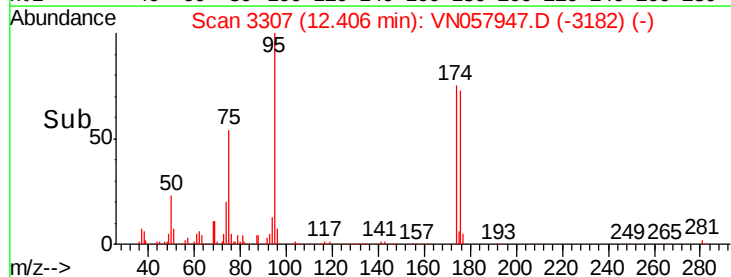
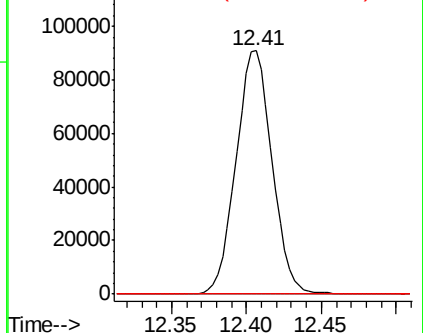
89 0.0 35.3 52.9#

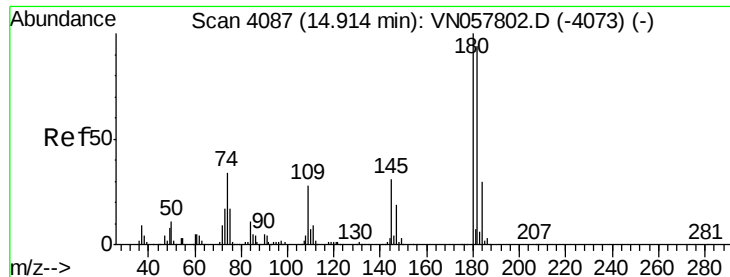


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

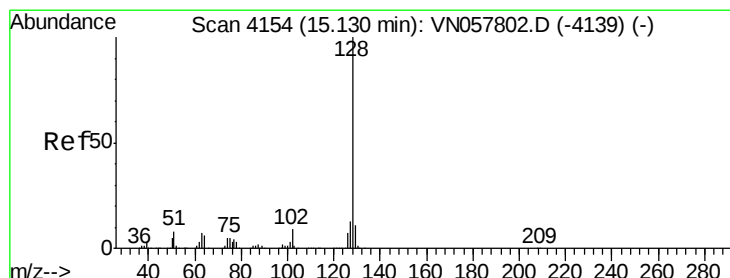
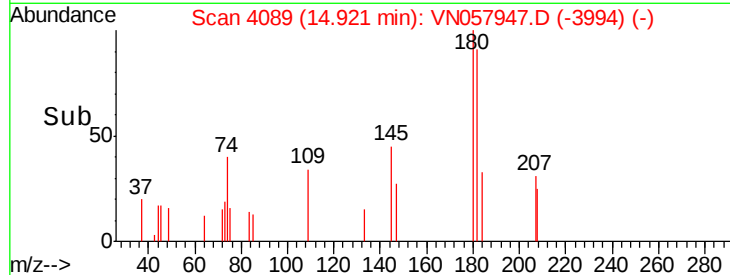
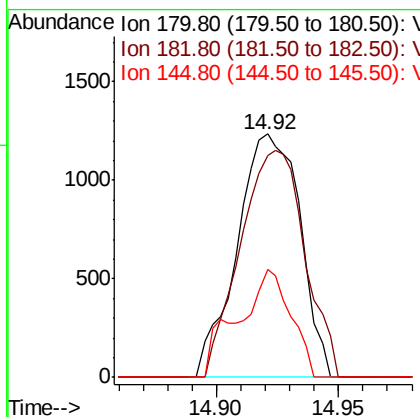
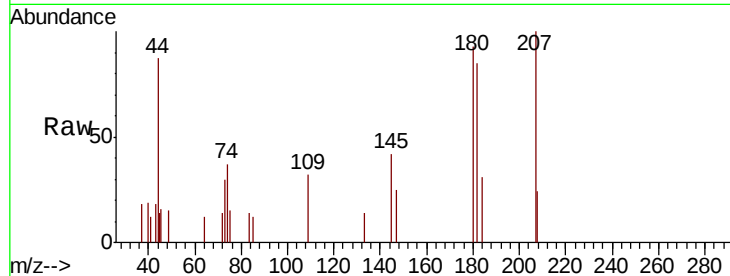




#93
 1,2,4-Trichlorobenzene
 Concen: 0.441 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN057947.D
 Acq: 12 Sep 2019 00:13

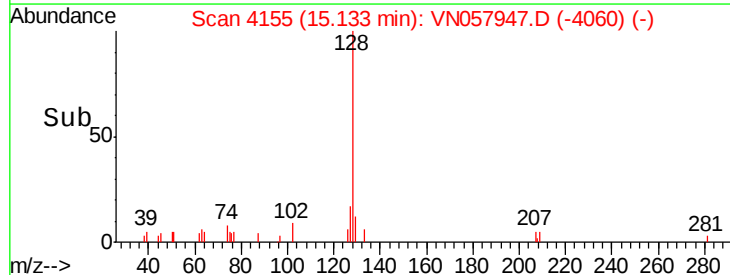
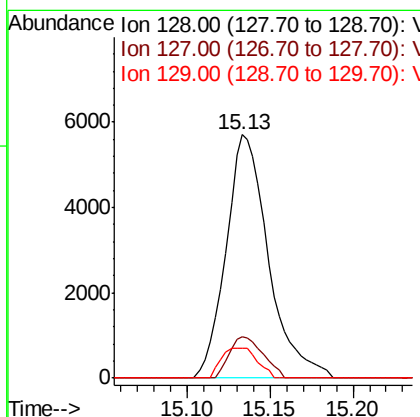
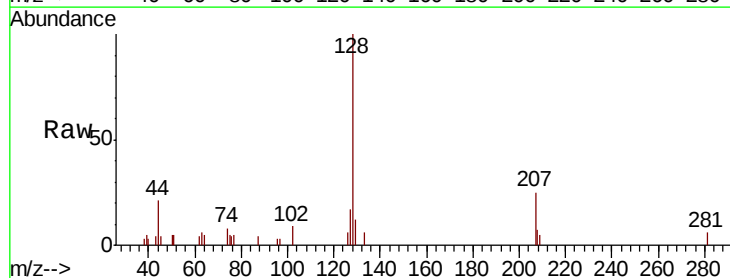
Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-A

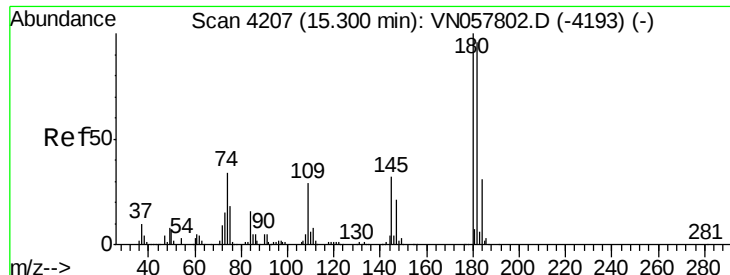
Tgt Ion:180 Resp: 2208
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.8
 145 37.7 14.9 44.7



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN057947.D
 Acq: 12 Sep 2019 00:13

Tgt Ion:128 Resp: 10166
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.3 15.5
 129 10.3 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.584 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057947.D
 Acq: 12 Sep 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 CBH-139-A

Tgt Ion	Resp	Lower	Upper
180	100		
182	98.2	48.3	144.8
145	28.3	16.3	48.8

