

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020320\
 Data File : VN059969.D
 Acq On : 3 Feb 2020 13:08
 Operator : JC/MD
 Sample : L1318-17
 Misc : 5.98g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RAINEY-PARK-BH-05-B

Quant Time: Feb 03 13:43:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	284714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	255343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	104853	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.56	113	83476	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.08	98	339503	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.40	95	119487	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

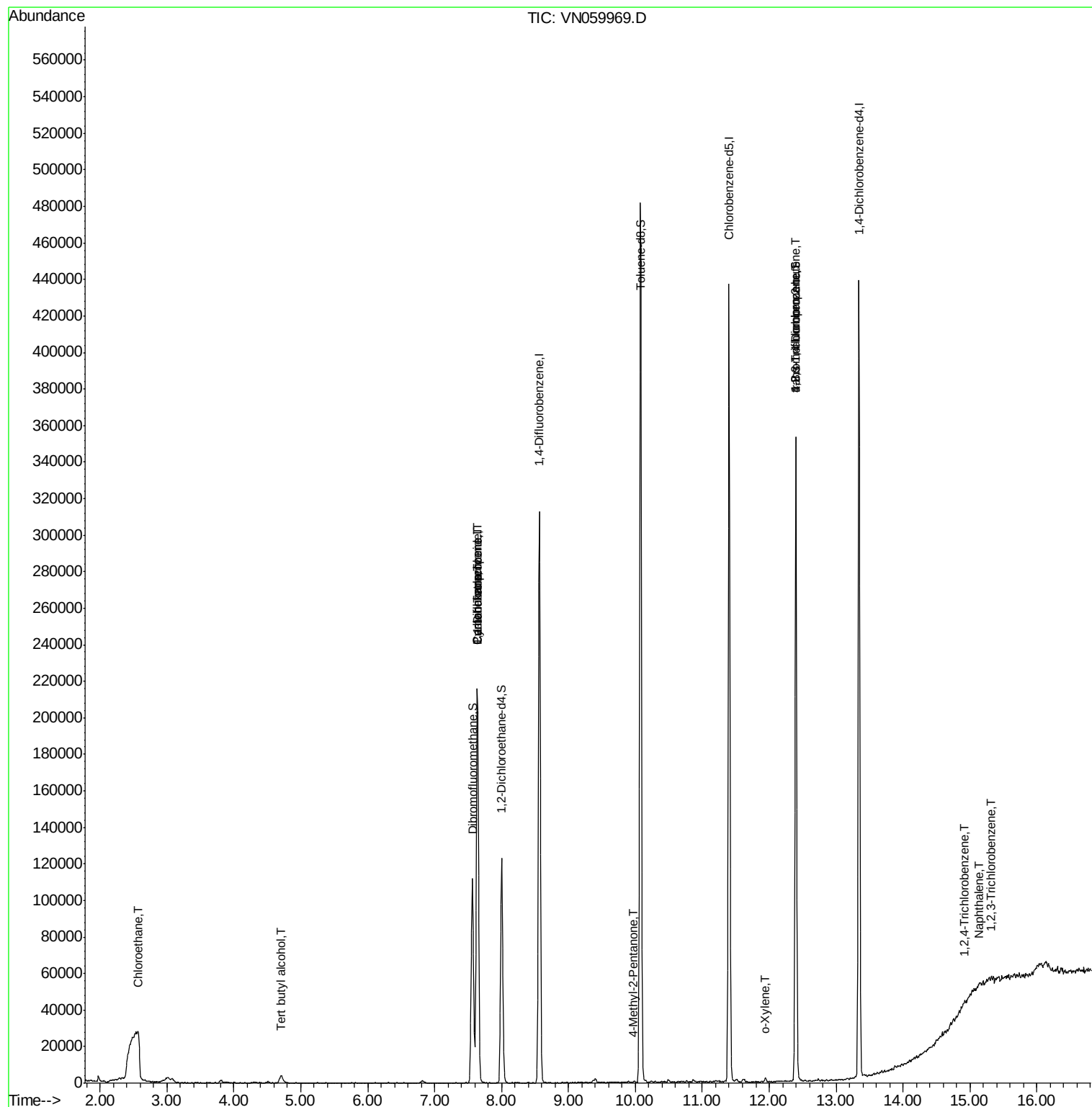
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.56	64	486	0.43	ug/l #	35
11) Tert butyl alcohol	4.70	59	1728	5.03	ug/l #	72
16) Acetone	3.80	43	2769	Below Cal	#	84
20) Methylene Chloride	4.52	84	698	Below Cal	#	61
31) Cyclohexane	7.64	56	3723	1.23	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13151	5.30	ug/l #	46
38) Carbon Tetrachloride	7.64	117	17789	6.60	ug/l #	17
51) 4-Methyl-2-Pentanone	9.98	43	513	0.22	ug/l #	38
69) o-Xylene	11.94	106	753	0.22	ug/l #	95
76) 1,2,3-Trichloropropane	12.40	75	60706	30.18	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60706	64.81	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	280	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.90	180	680	0.30	ug/l #	80
95) Naphthalene	15.14	128	2434	0.37	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.31	180	868	0.39	ug/l	91

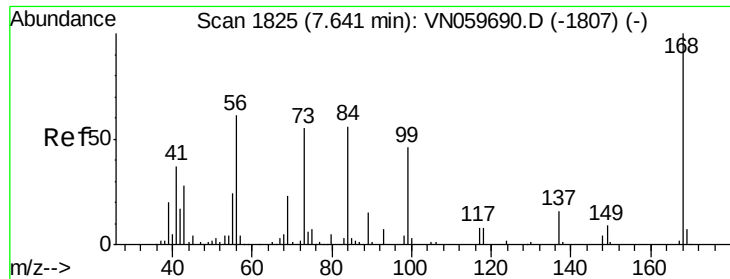
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059969.D

Acq: 3 Feb 2020 13:08

Instrument :

MSVOA_N

ClientSampleId :

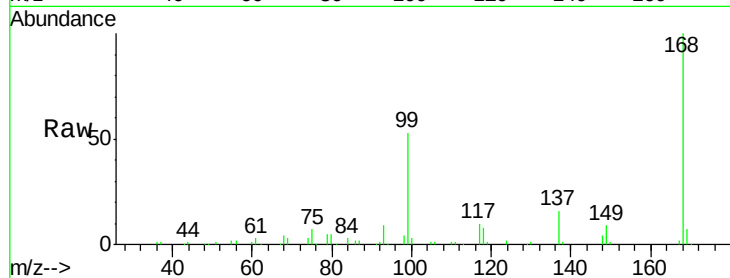
RAINEY-PARK-BH-05-B

Tgt Ion: 168 Resp: 183937

Ion Ratio Lower Upper

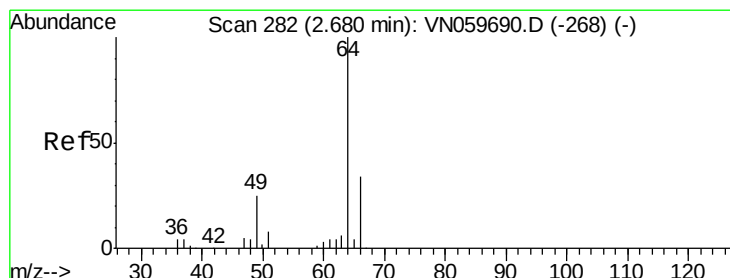
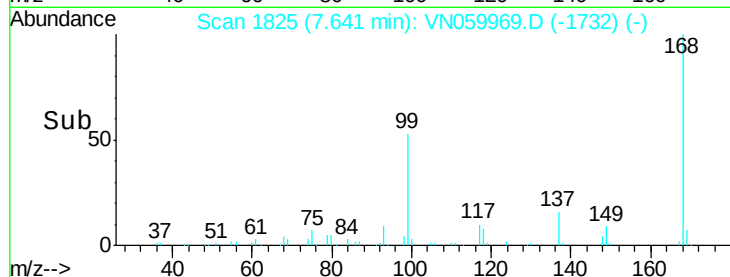
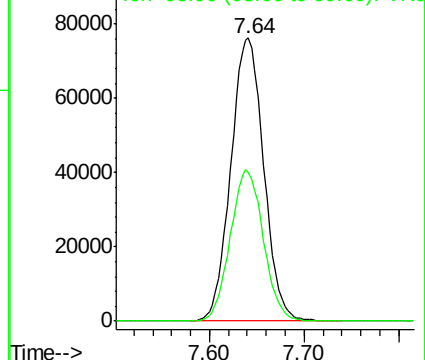
168 100

99 52.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#6

Chloroethane

Concen: 0.43 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.12 min

Lab File: VN059969.D

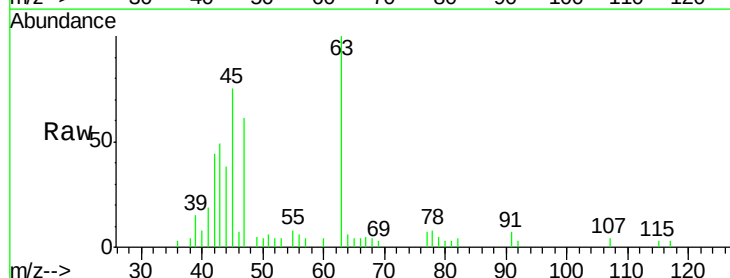
Acq: 3 Feb 2020 13:08

Tgt Ion: 64 Resp: 486

Ion Ratio Lower Upper

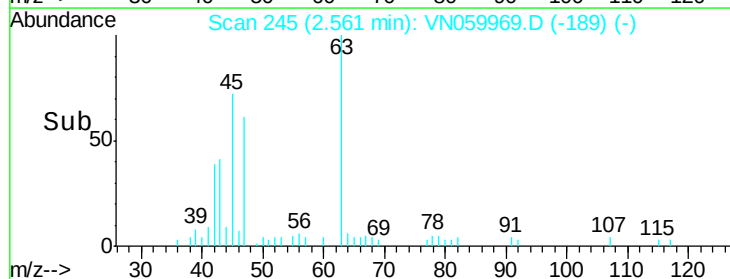
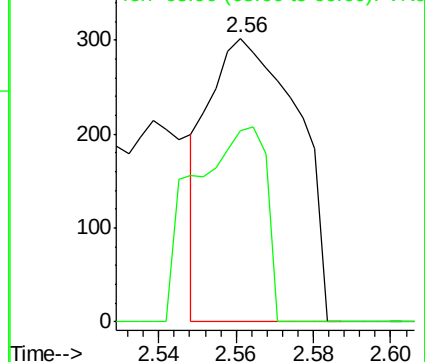
64 100

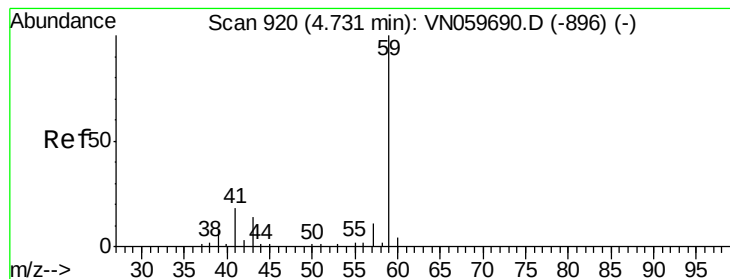
66 67.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VN

Ion 65.90 (65.60 to 66.60): VN



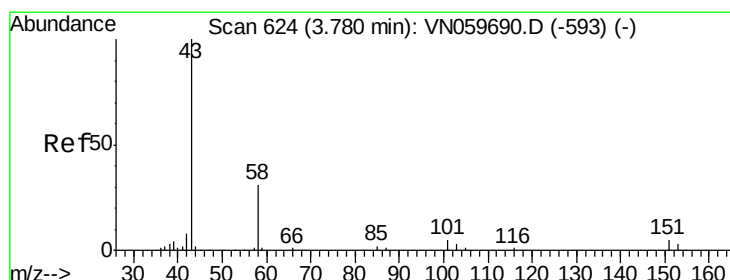
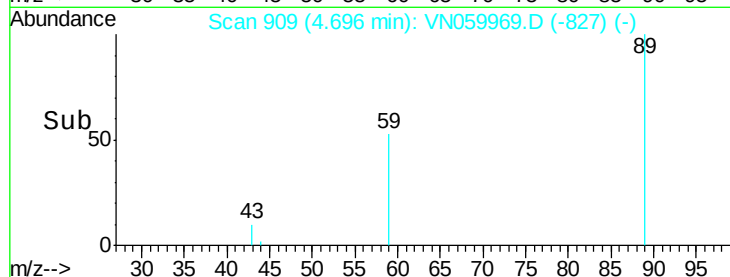
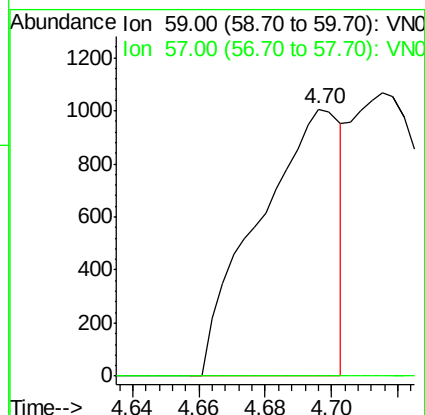
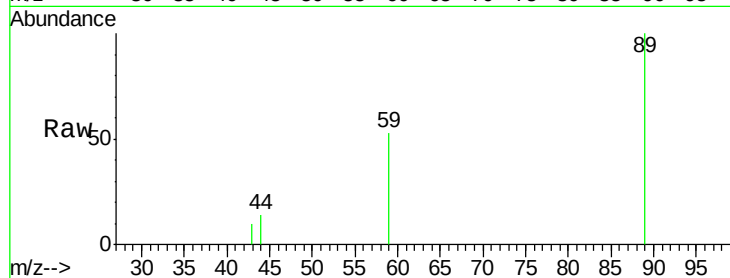


#11

Tert butyl alcohol
 Concen: 5.03 ug/l
 RT: 4.70 min Scan# 909
 Delta R.T. -0.04 min
 Lab File: VN059969.D
 Acq: 3 Feb 2020 13:08

Instrument :
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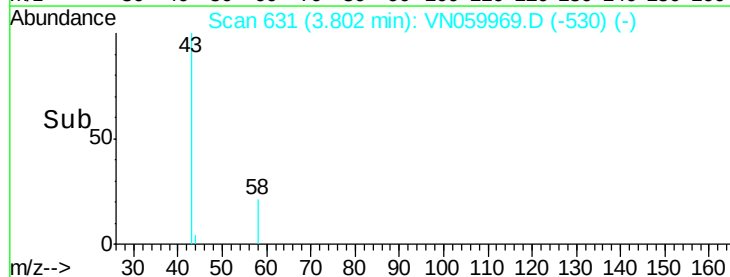
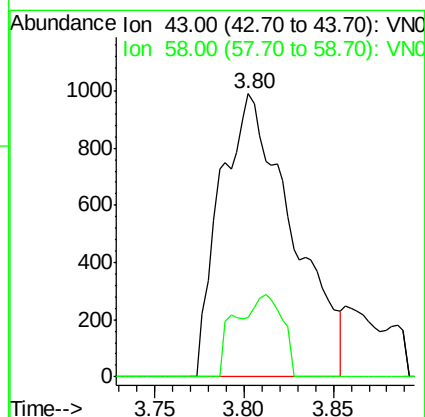
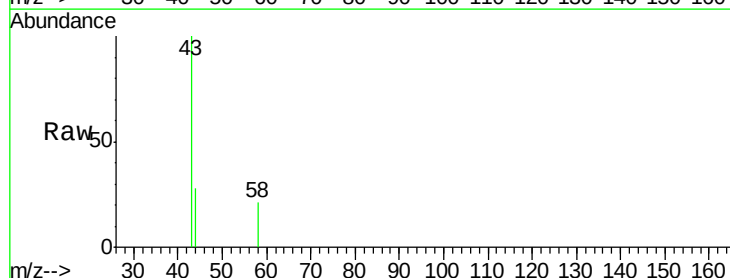
Tgt Ion: 59 Resp: 1728
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

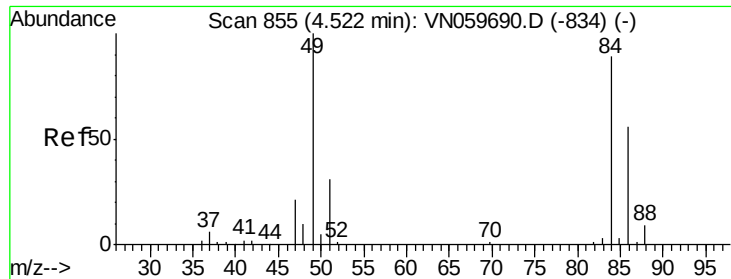


#16

Acetone
 Concen: Below Cal
 RT: 3.80 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VN059969.D
 Acq: 3 Feb 2020 13:08

Tgt Ion: 43 Resp: 2769
 Ion Ratio Lower Upper
 43 100
 58 21.1 23.6 35.4#

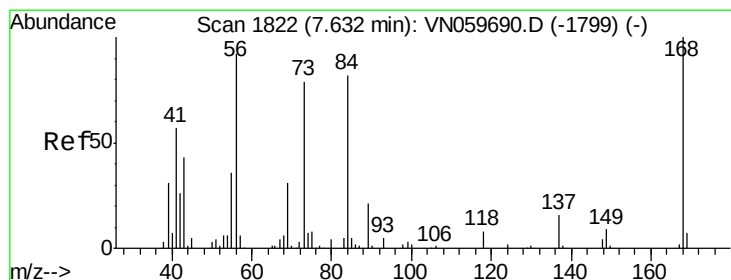
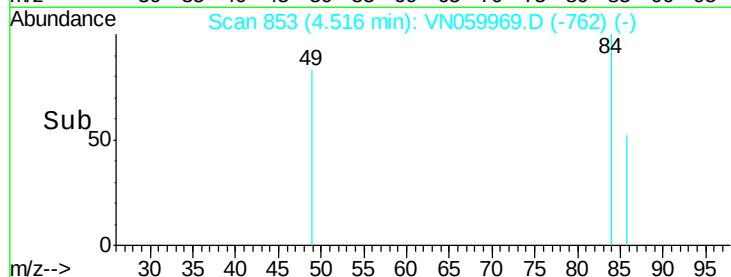
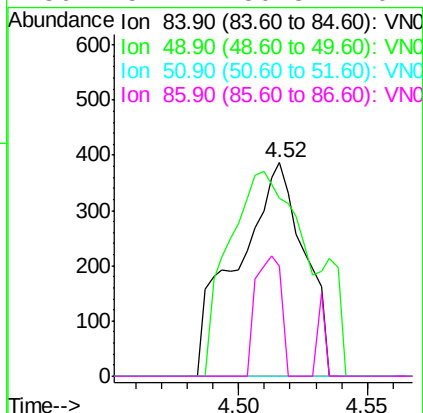
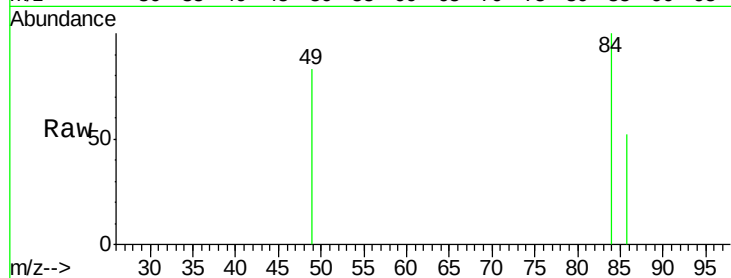




#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

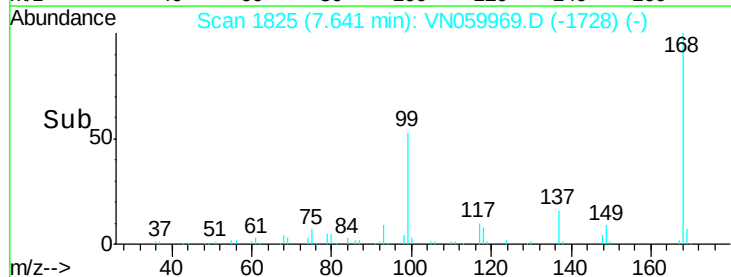
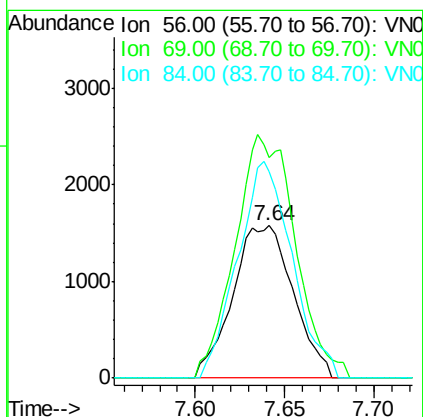
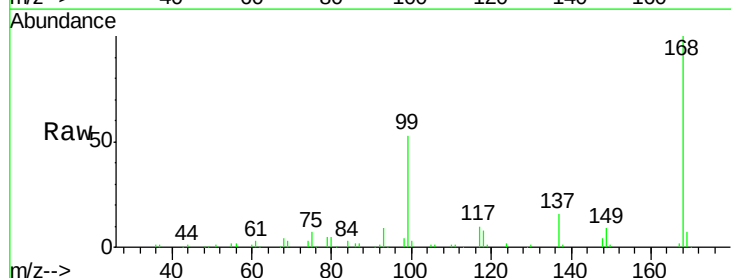
Instrument :
MSVOA_N
ClientSampleId :
RAINEY-PARK-BH-05-B

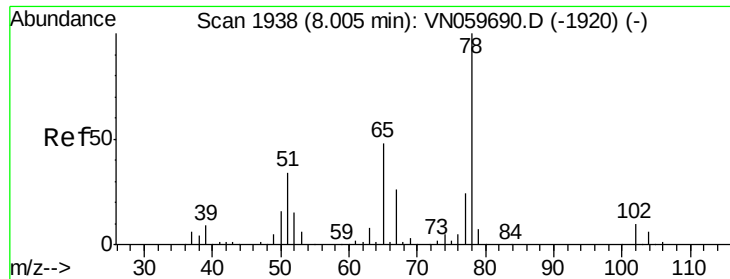
Tgt Ion: 84 Resp: 698
Ion Ratio Lower Upper
84 100
49 83.5 106.6 160.0#
51 0.0 31.9 47.9#
86 51.7 50.8 76.2



#31
Cyclohexane
Concen: 1.23 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

Tgt Ion: 56 Resp: 3723
Ion Ratio Lower Upper
56 100
69 145.0 26.5 39.7#
84 136.0 65.3 97.9#

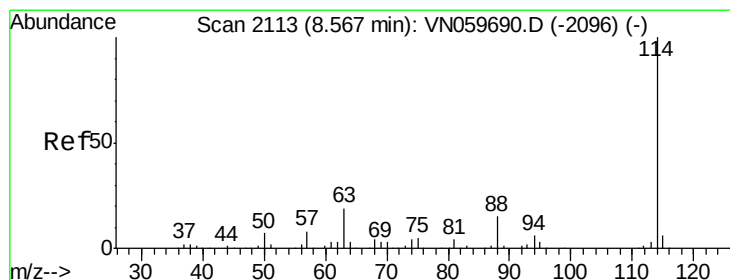
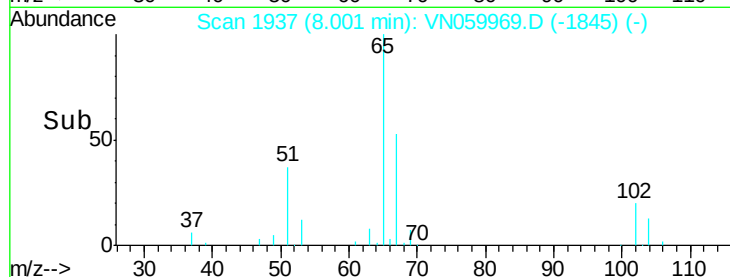
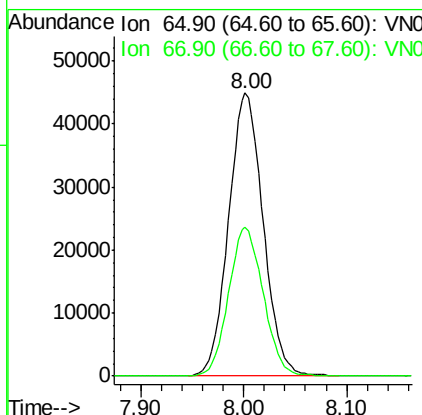
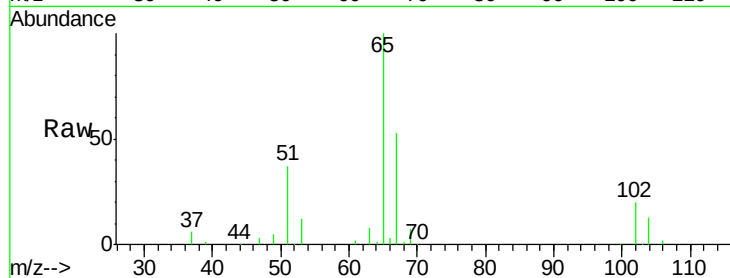




#33
 1,2-Dichloroethane-d4
 Concen: 51.33 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059969.D
 Acq: 3 Feb 2020 13:08

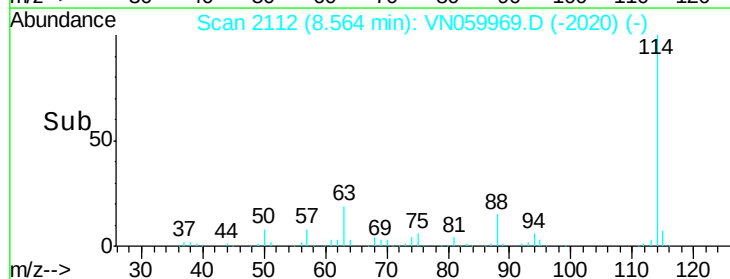
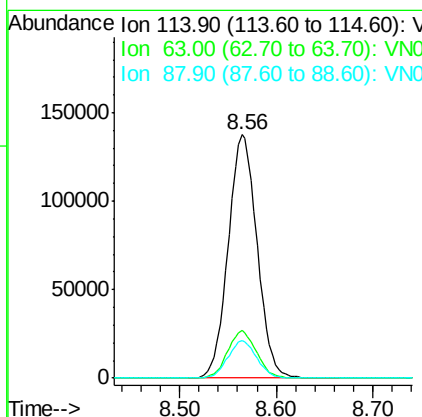
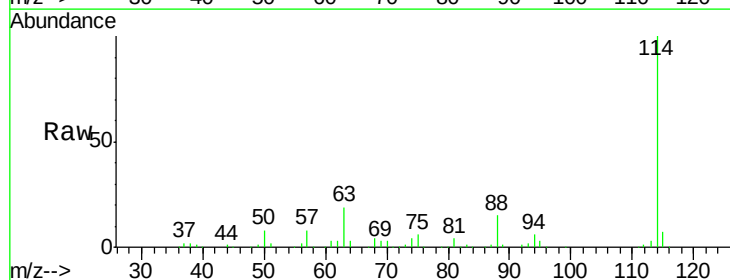
Instrument :
 MSVOA_N
 ClientSampleId :
 RAINEY-PARK-BH-05-B

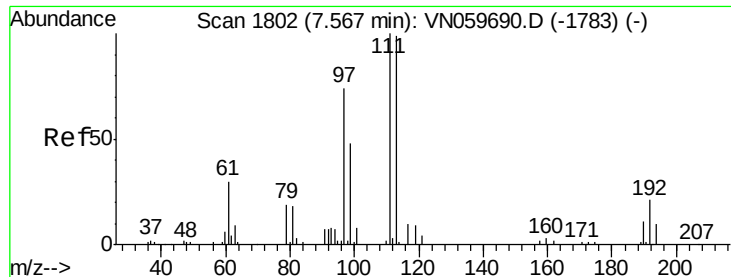
Tgt Ion: 65 Resp: 104853
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059969.D
 Acq: 3 Feb 2020 13:08

Tgt Ion: 114 Resp: 284714
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.16 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059969.D

Acq: 3 Feb 2020 13:08

Instrument :

MSVOA_N

ClientSampleId :

RAINEY-PARK-BH-05-B

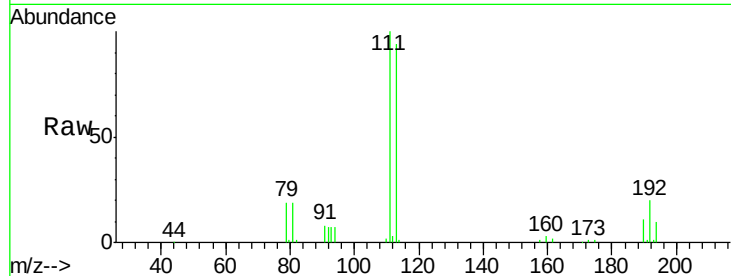
Tgt Ion:113 Resp: 83476

Ion Ratio Lower Upper

113 100

111 104.1 83.5 125.3

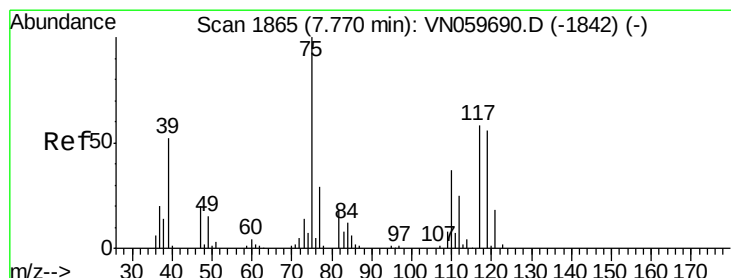
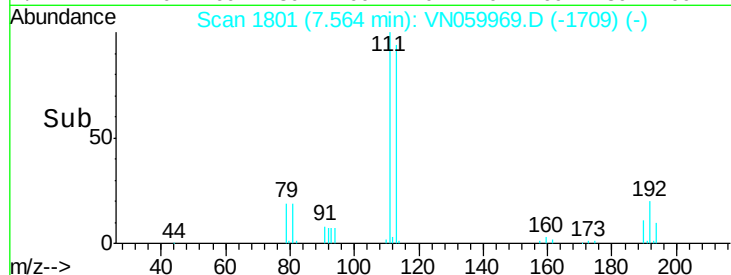
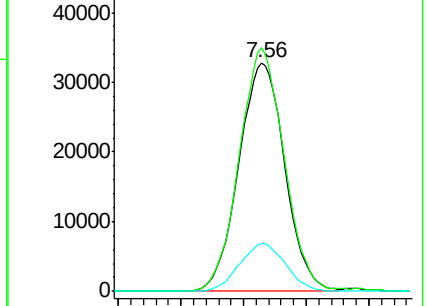
192 20.8 15.4 23.2



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: 5.30 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN059969.D

Acq: 3 Feb 2020 13:08

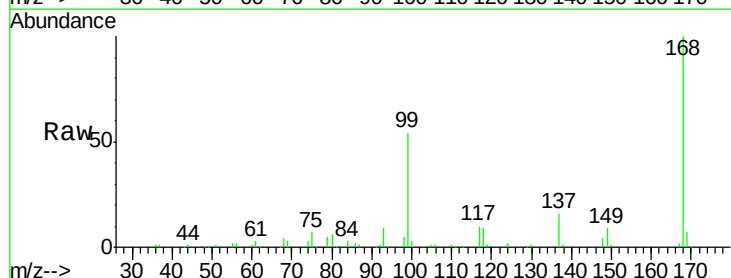
Tgt Ion: 75 Resp: 13151

Ion Ratio Lower Upper

75 100

110 3.9 16.6 49.7#

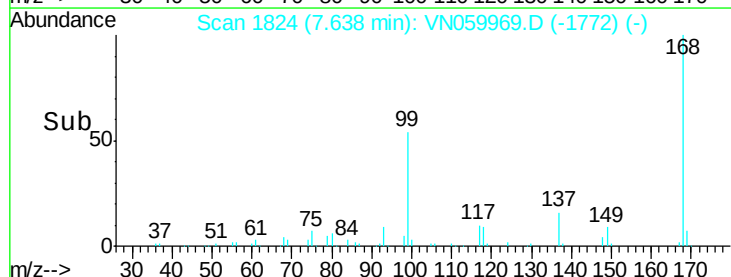
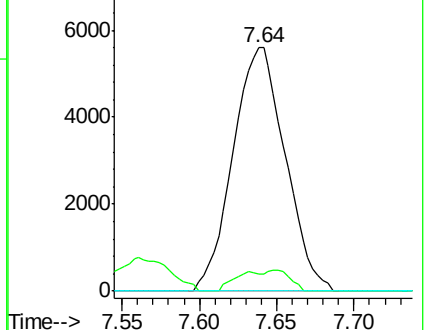
77 0.0 25.1 37.7#

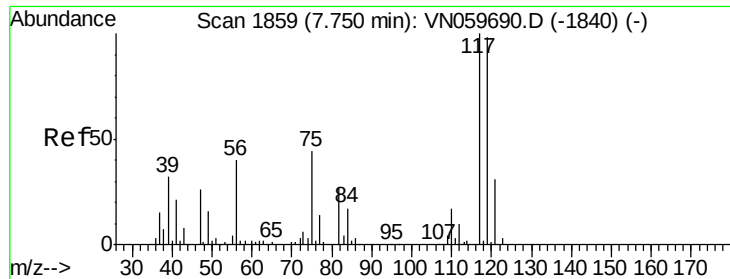


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

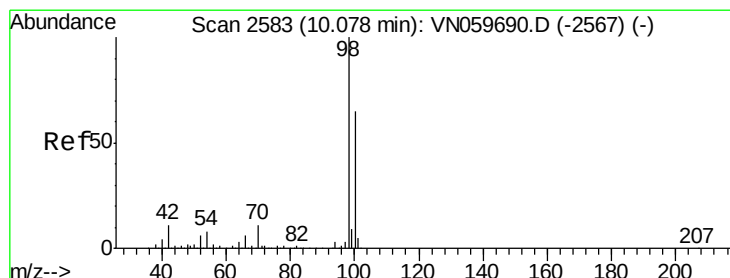
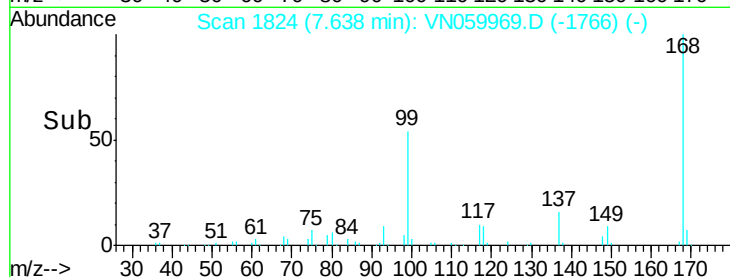
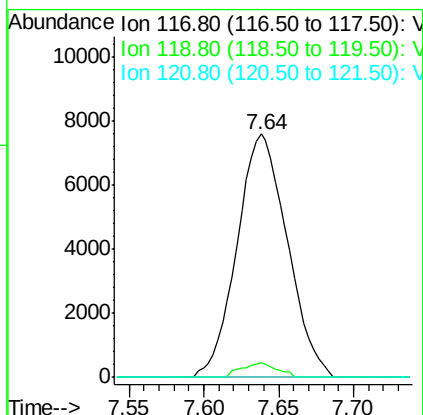
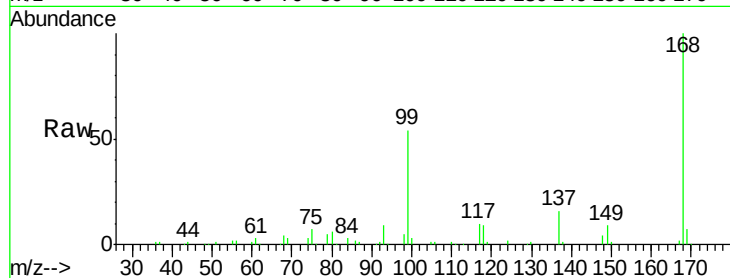




#38
Carbon Tetrachloride
Concen: 6.60 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

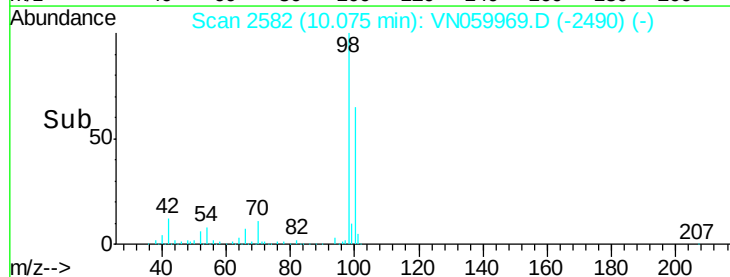
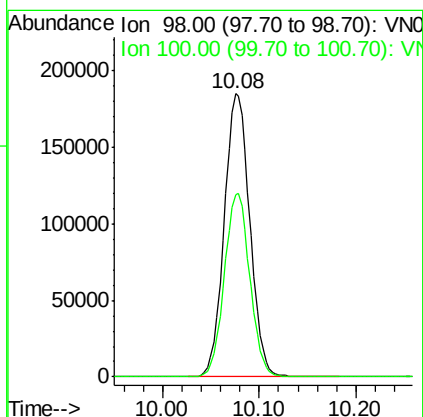
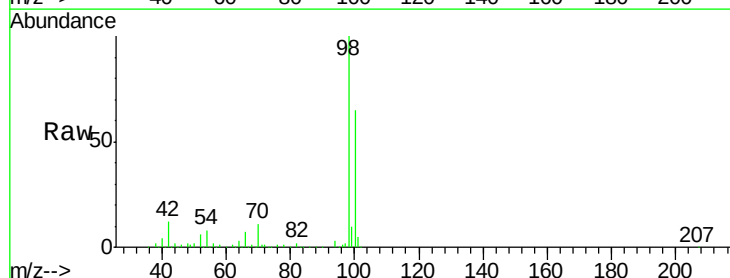
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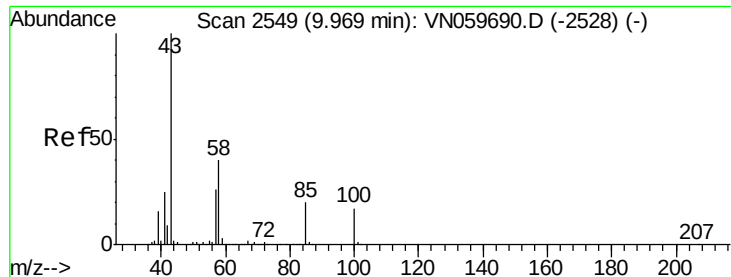
Tgt Ion:117 Resp: 17789
Ion Ratio Lower Upper
117 100
119 6.0 76.5 114.7#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 51.61 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

Tgt Ion: 98 Resp: 339503
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8

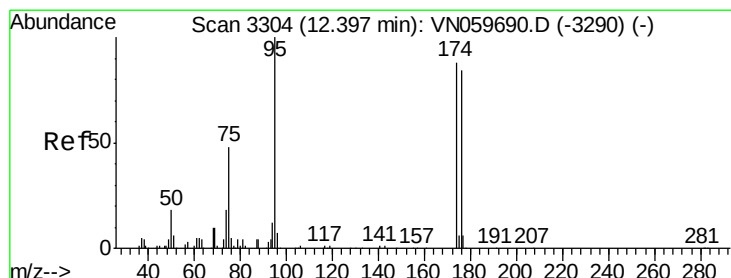
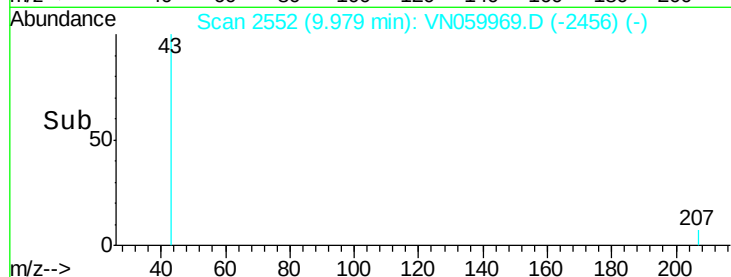
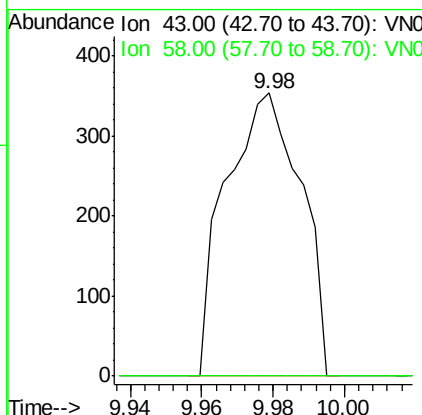
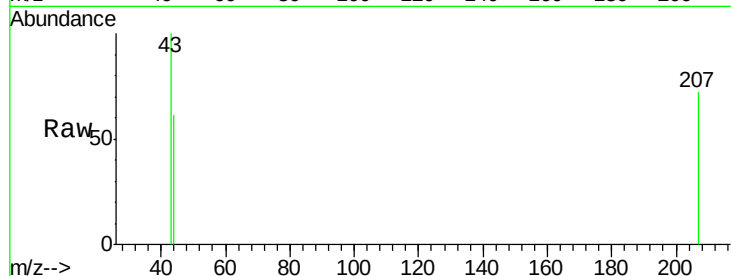




#51
 4-Methyl-2-Pentanone
 Concen: 0.22 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.01 min
 Lab File: VN059969.D
 Acq: 3 Feb 2020 13:08

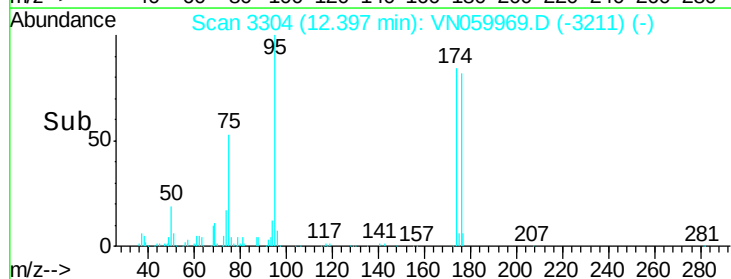
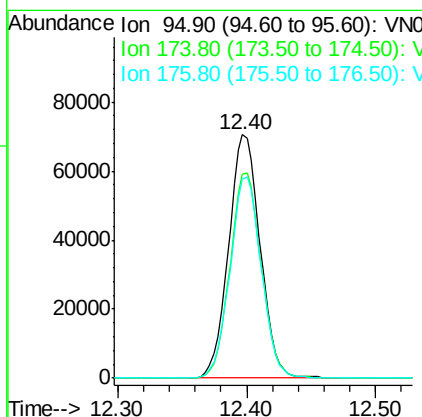
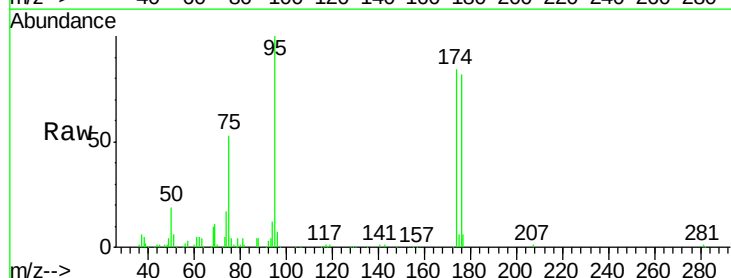
Instrument :
 MSVOA_N
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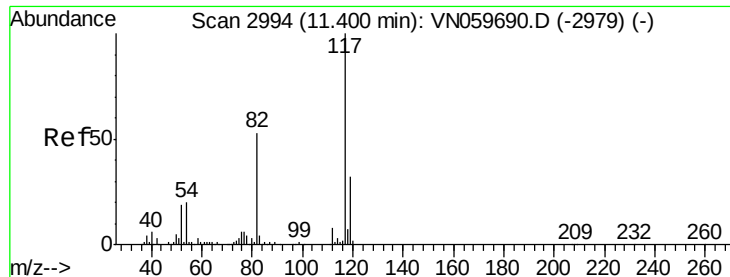
Tgt Ion: 43 Resp: 513
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: 50.38 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059969.D
 Acq: 3 Feb 2020 13:08

Tgt Ion: 95 Resp: 119487
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 151.4
 176 82.2 0.0 146.0

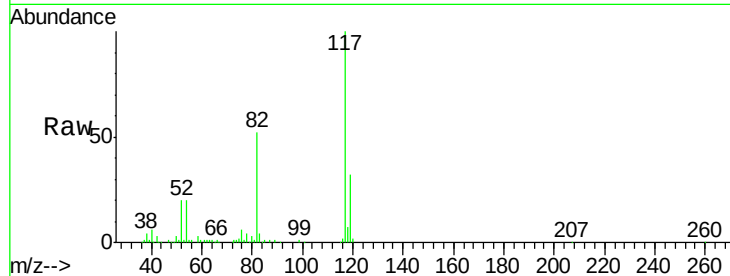




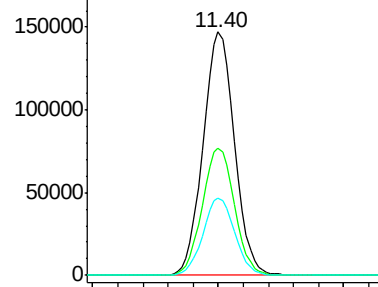
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

Instrument :
MSVOA_N
ClientSampleId :
RAINEY-PARK-BH-05-B

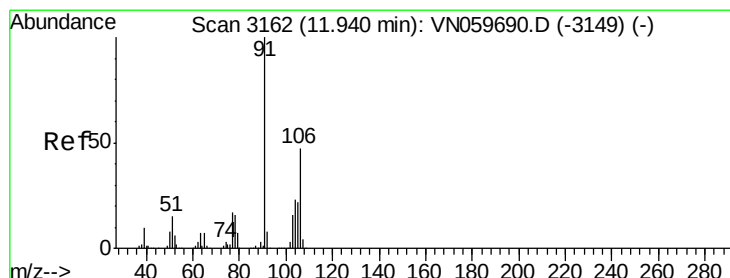
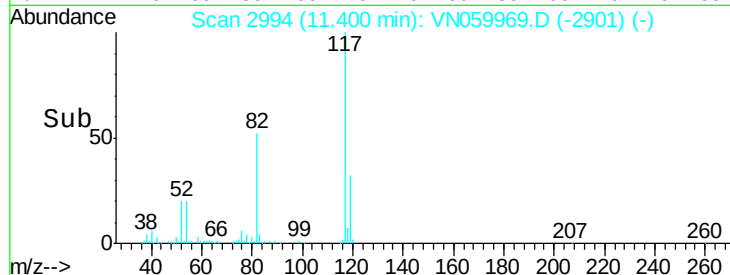
Tgt Ion:117 Resp: 255343
Ion Ratio Lower Upper
117 100
82 52.3 45.9 68.9
119 31.7 25.5 38.3



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

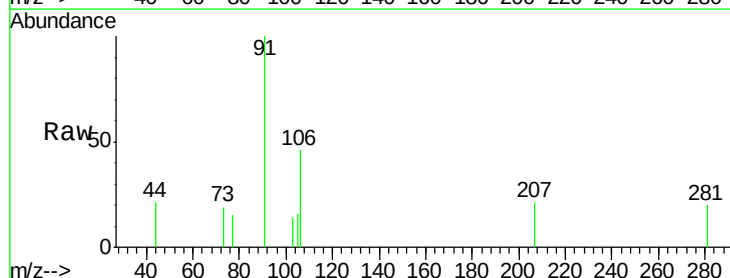


Time--> 11.30 11.40 11.50

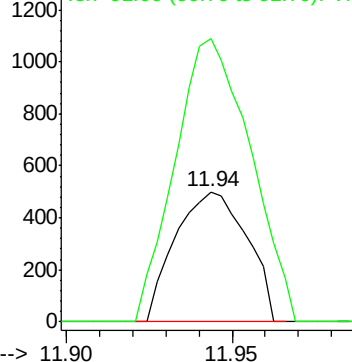


#69
o-Xylene
Concen: 0.22 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

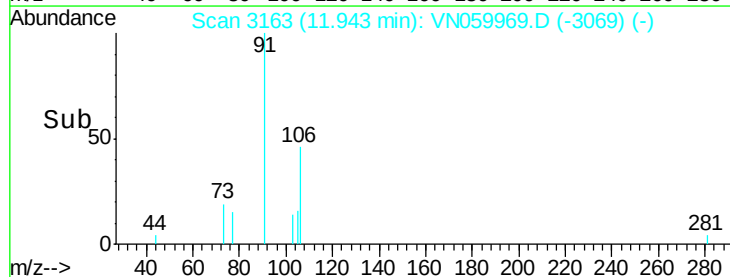
Tgt Ion:106 Resp: 753
Ion Ratio Lower Upper
106 100
91 229.2 110.3 330.9

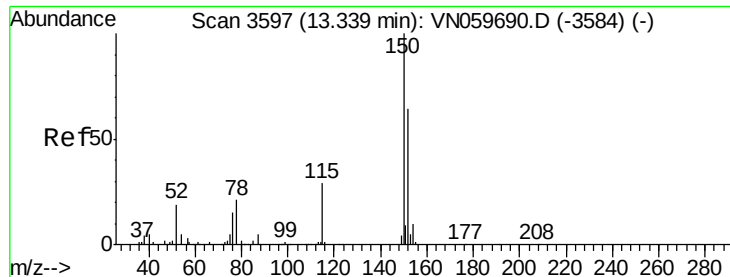


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



Time--> 11.90 11.95





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059969.D

Acq: 3 Feb 2020 13:08

Instrument :

MSVOA_N

ClientSampleId :

RAINEY-PARK-BH-05-B

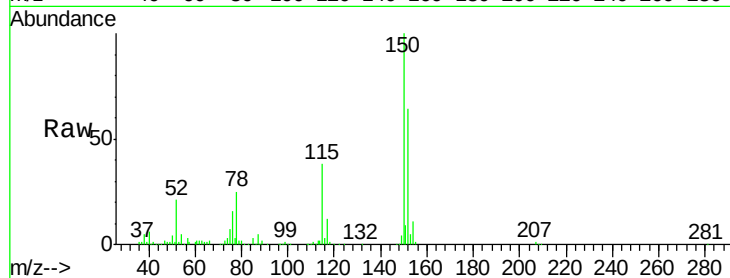
Tgt Ion:152 Resp: 119531

Ion Ratio Lower Upper

152 100

115 57.0 30.3 90.9

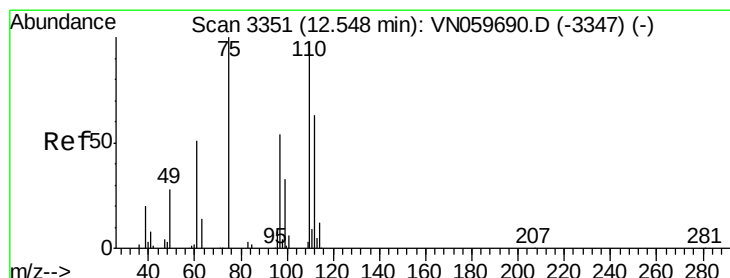
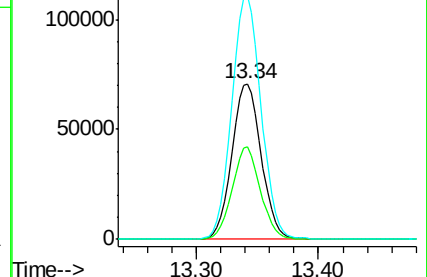
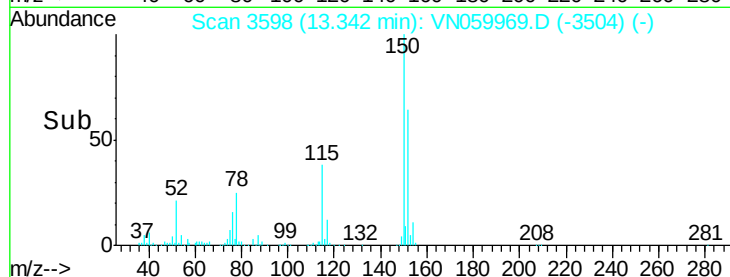
150 155.8 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 30.18 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059969.D

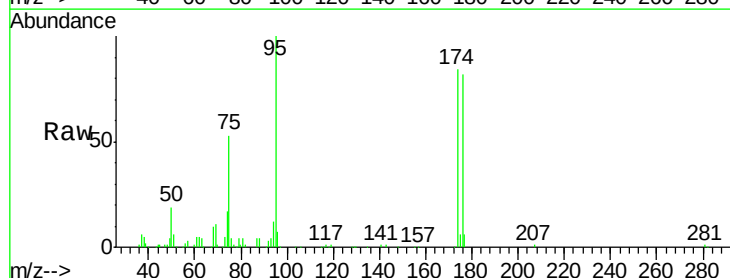
Acq: 3 Feb 2020 13:08

Tgt Ion: 75 Resp: 60706

Ion Ratio Lower Upper

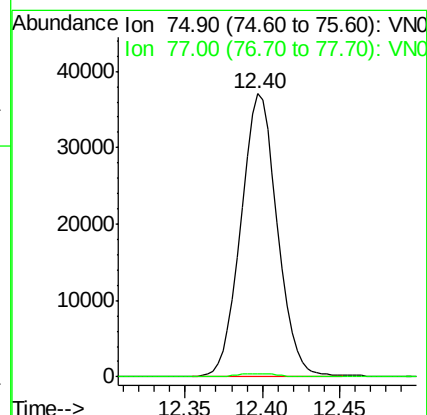
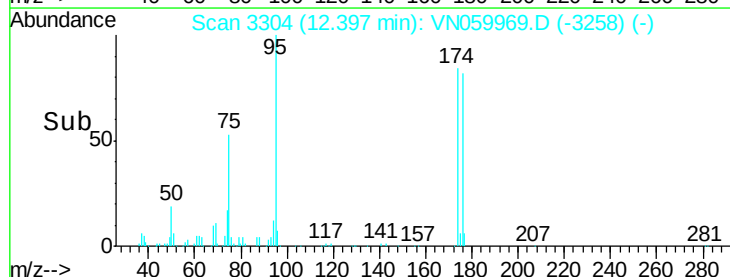
75 100

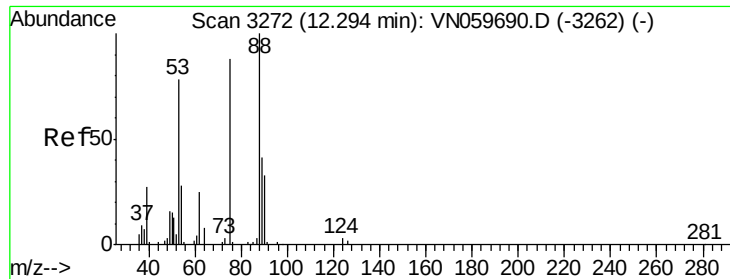
77 0.6 0.0 0.0#



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: 64.81 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059969.D

Acq: 3 Feb 2020 13:08

Instrument :

MSVOA_N

ClientSampleId :

RAINEY-PARK-BH-05-B

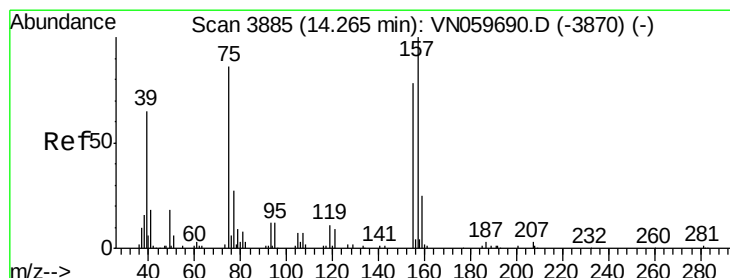
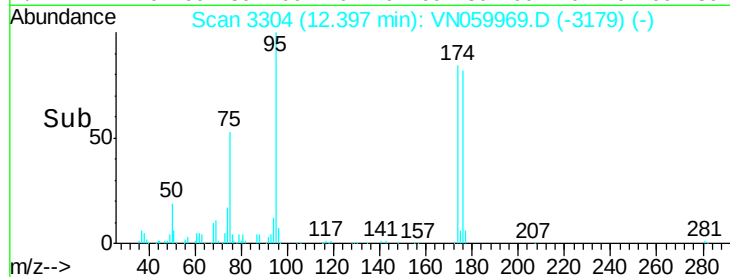
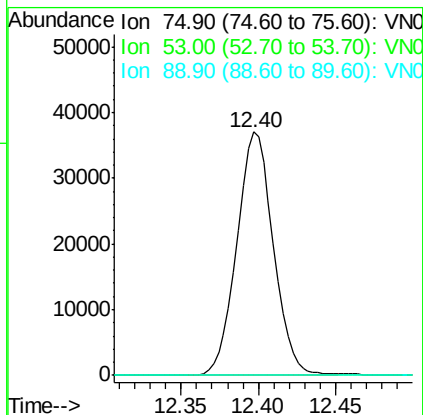
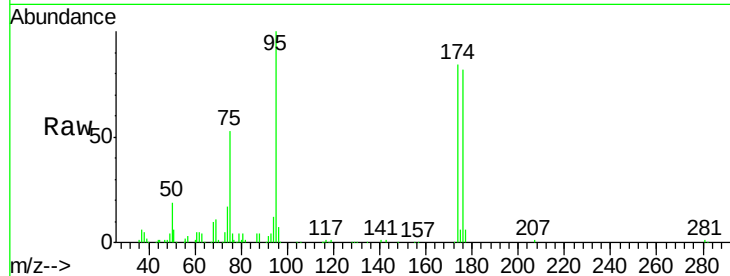
Tgt Ion: 75 Resp: 60706

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059969.D

Acq: 3 Feb 2020 13:08

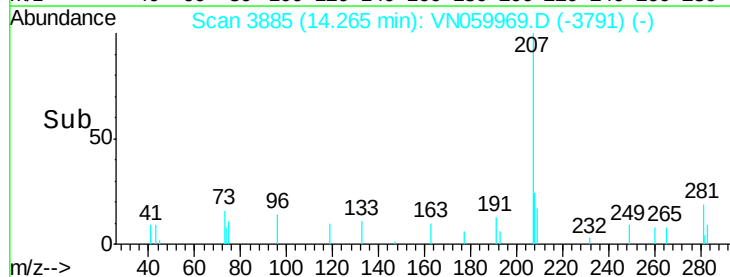
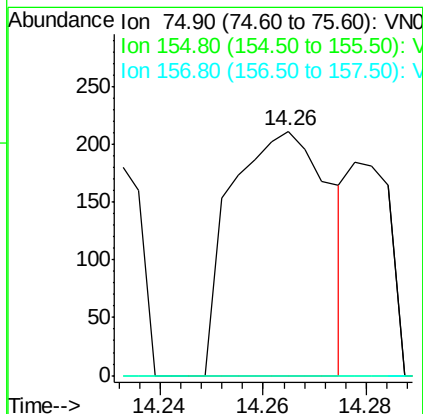
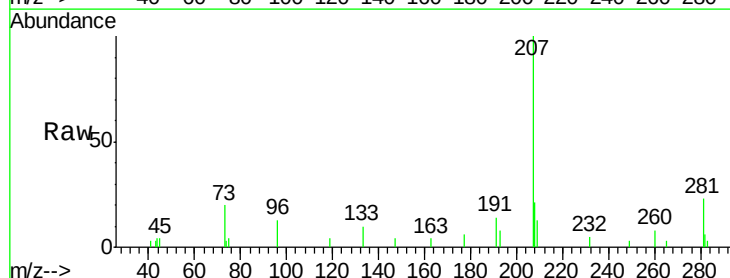
Tgt Ion: 75 Resp: 280

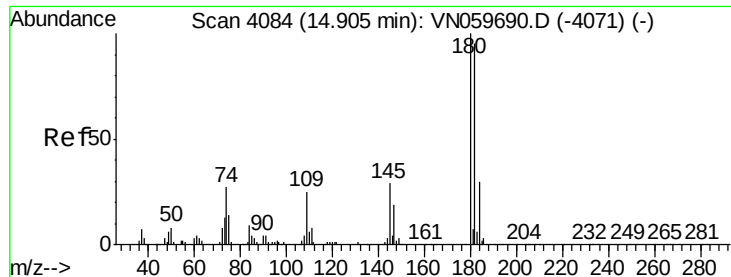
Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

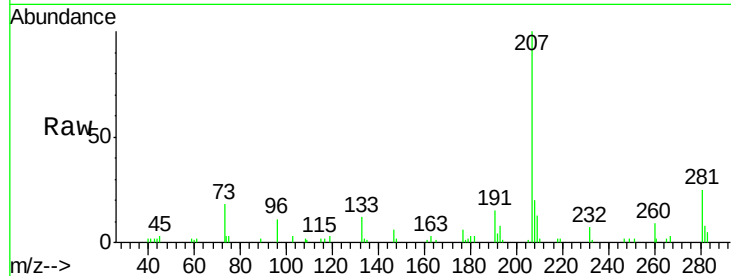




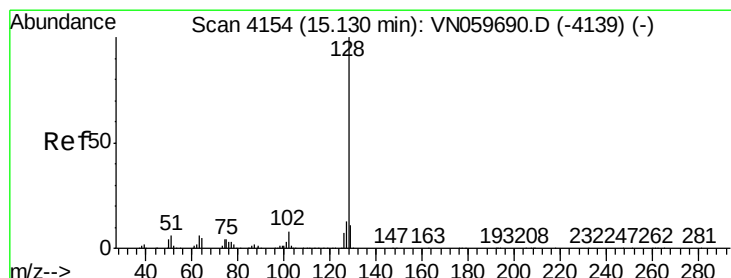
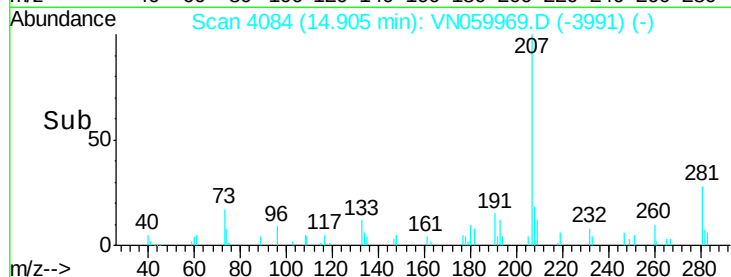
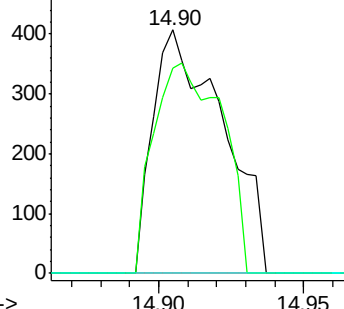
#93
1,2,4-Trichlorobenzene
Concen: 0.30 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

Instrument :
MSVOA_N
ClientSampleId :
RAINEY-PARK-BH-05-B

Tgt Ion:180 Resp: 680
Ion Ratio Lower Upper
180 100
182 85.3 46.9 140.7
145 0.0 15.0 45.1#

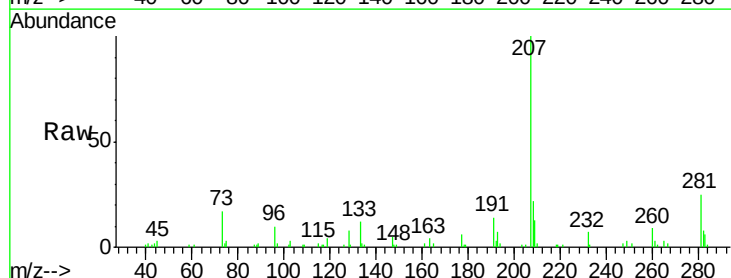


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

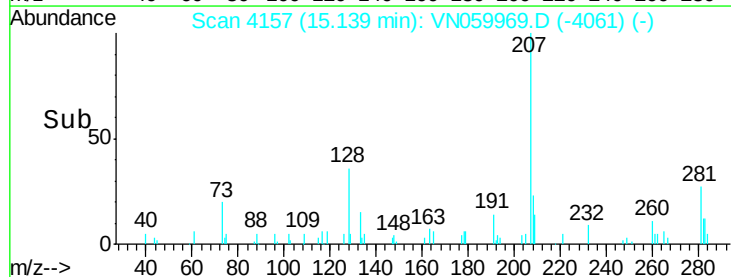
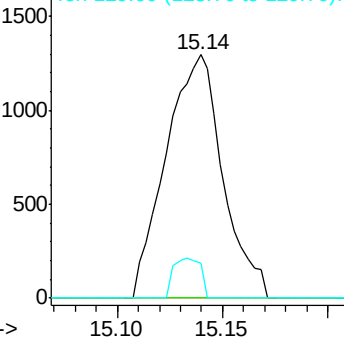


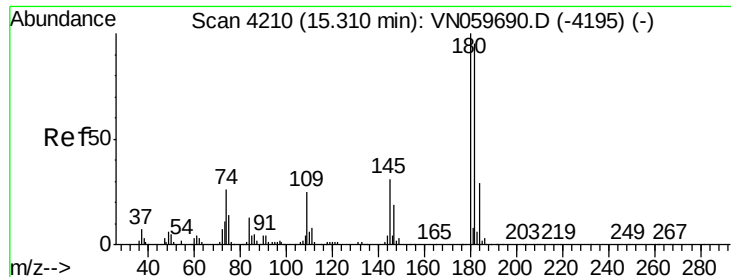
#95
Naphthalene
Concen: 0.37 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN059969.D
Acq: 3 Feb 2020 13:08

Tgt Ion:128 Resp: 2434
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 7.7 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: 0.39 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059969.D
 Acq: 3 Feb 2020 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RAINEY-PARK-BH-05-B

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.5	47.4	142.3
145	32.0	16.3	48.9

