

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062936.D
 Acq On : 12 Jun 2019 19:12
 Operator : FY/SY
 Sample : K3346-02
 Misc : 4.48g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-15

Quant Time: Jun 13 09:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

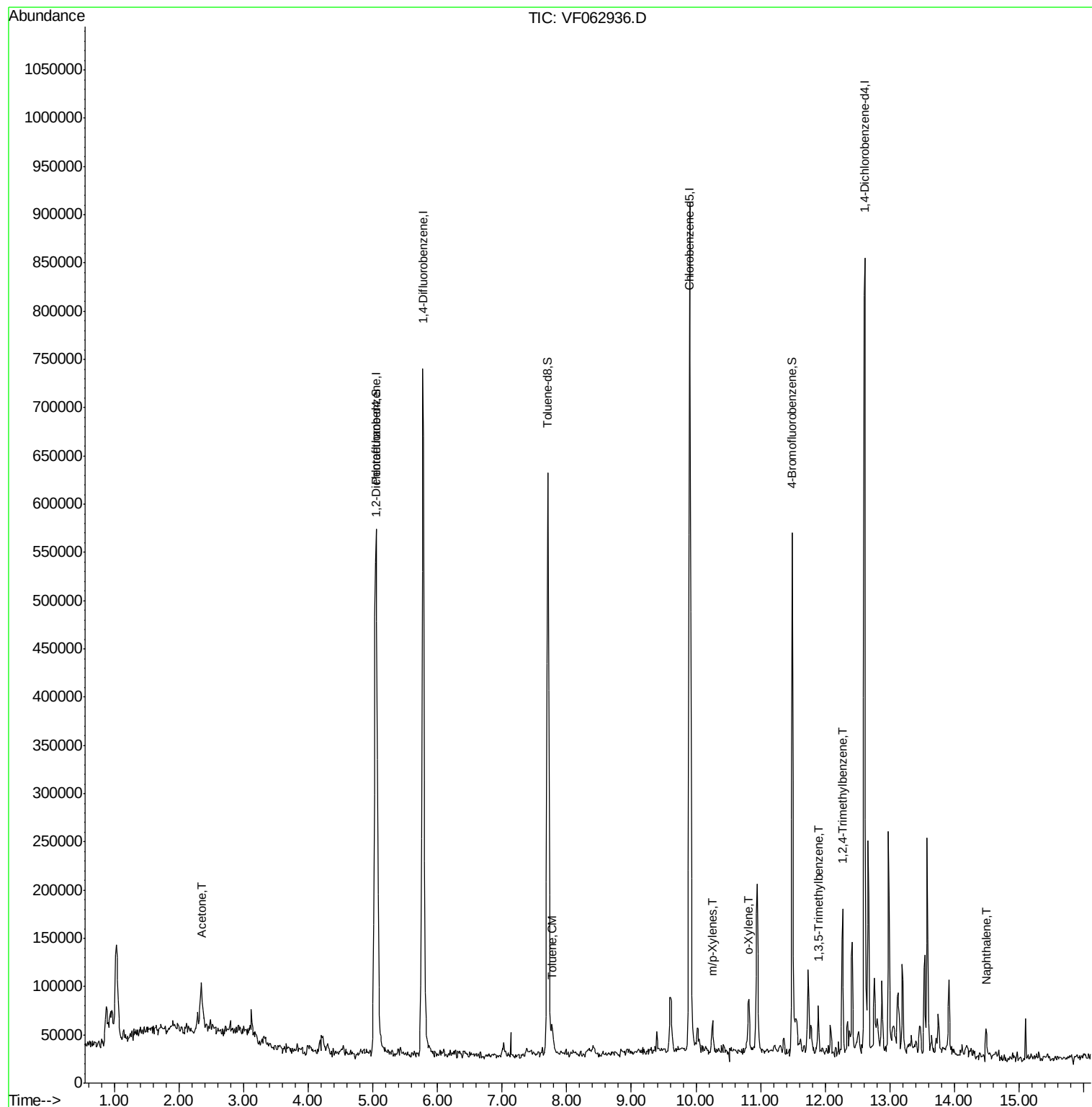
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	469514	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	810429	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	601021	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	221561	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	169383	52.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.34%	
35) Dibromofluoromethane	4.30	113	5361	0.88	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	1.76%	
50) Toluene-d8	7.70	98	552963	35.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	71.42%	
62) 4-Bromofluorobenzene	11.49	95	170740	30.65	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	61.30%	
Target Compounds						
					Qvalue	
16) Acetone	2.35	43	41728	56.154	ug/l	98
52) Toluene	7.77	92	12626	1.080	ug/l	79
68) m/p-Xylenes	10.26	106	9093	1.193	ug/l #	66
69) o-Xylene	10.82	106	14928	1.935	ug/l	76
80) 1,3,5-Trimethylbenzene	11.89	105	23281	1.841	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	79652	6.645	ug/l	77
95) Naphthalene	14.49	128	19122	2.823	ug/l #	92

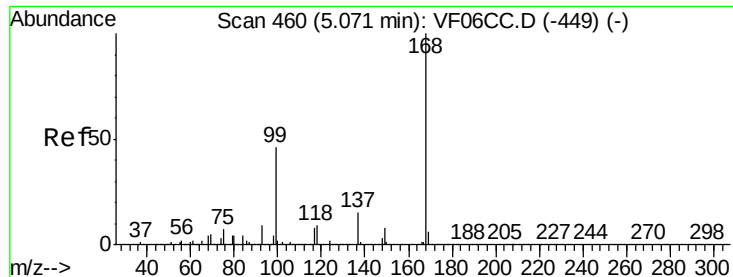
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RICH-REC-ROAD-STONE-15

Quant Time: Jun 13 09:08:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

ClientSampleId :

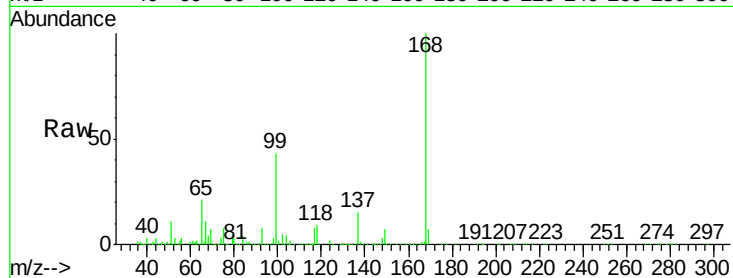
RICH-REC-ROAD-STONE-15

Tot Ion:168 Resp: 469514

Ion Ratio Lower Upper

168 100

99 42.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

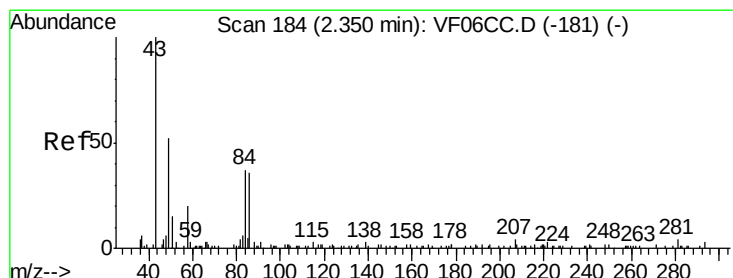
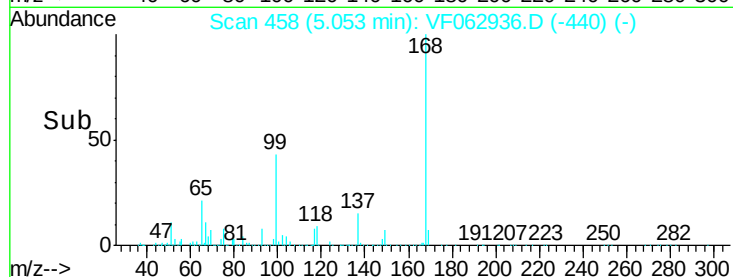
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 56.154 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062936.D

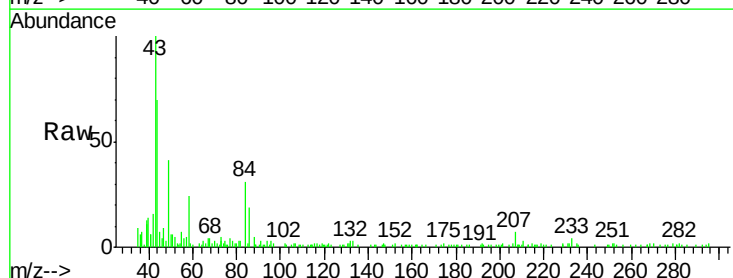
Acq: 12 Jun 2019 19:12

Tgt Ion: 43 Resp: 41728

Ion Ratio Lower Upper

43 100

58 24.5 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.35

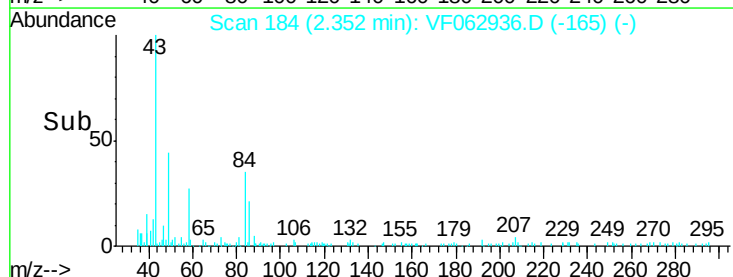
15000

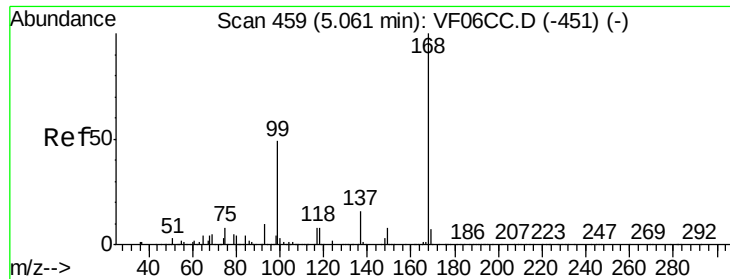
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.171 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

ClientSampleId :

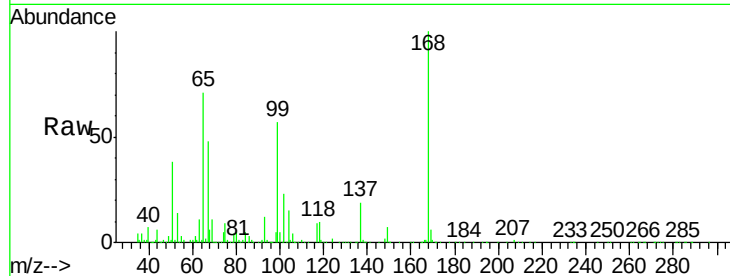
RICH-REC-ROAD-STONE-15

Tot Ion: 65 Resp: 169383

Ion Ratio Lower Upper

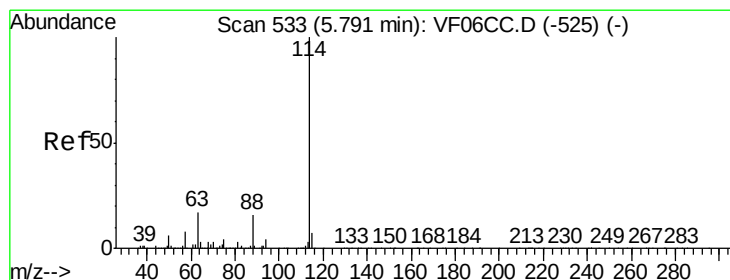
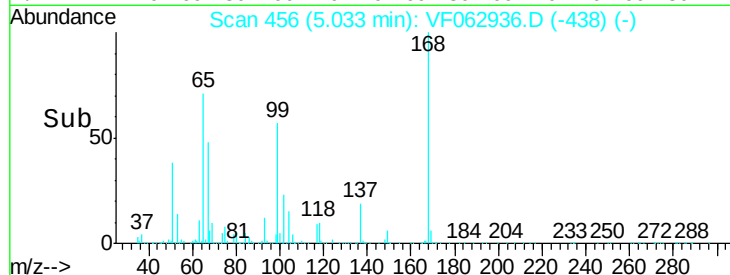
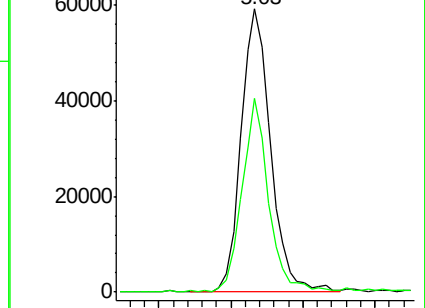
65 100

67 68.4 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

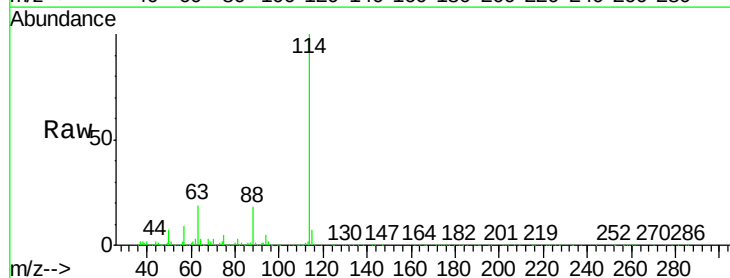
Tgt Ion: 114 Resp: 810429

Ion Ratio Lower Upper

114 100

63 19.0 0.0 34.2

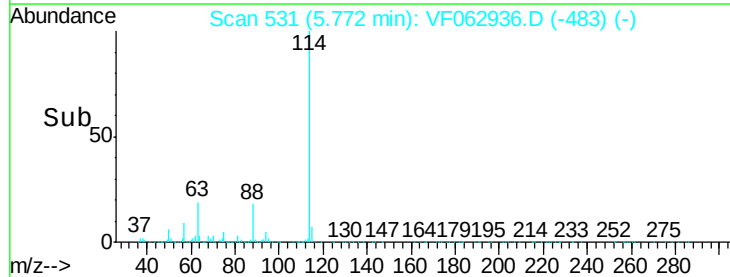
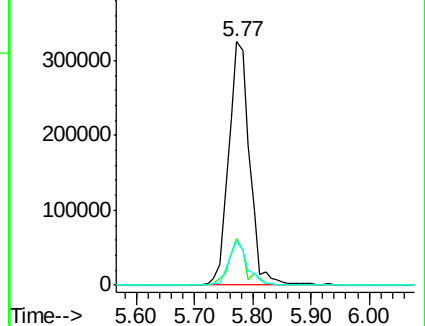
88 17.9 0.0 31.2

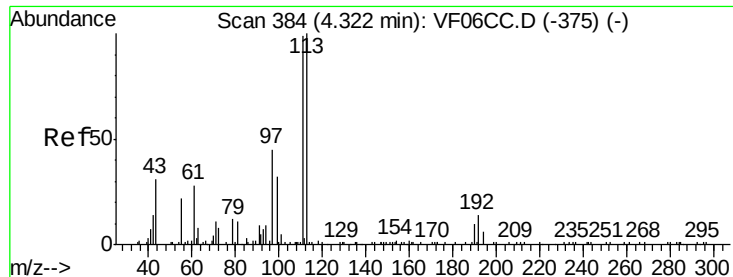


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

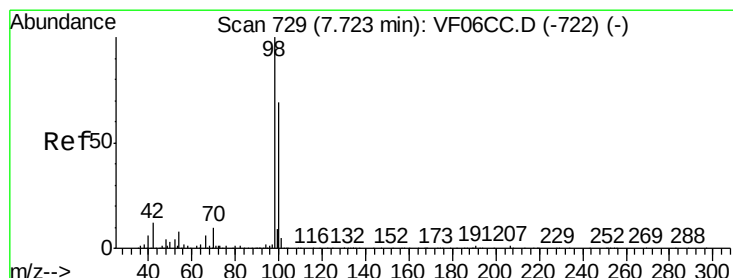
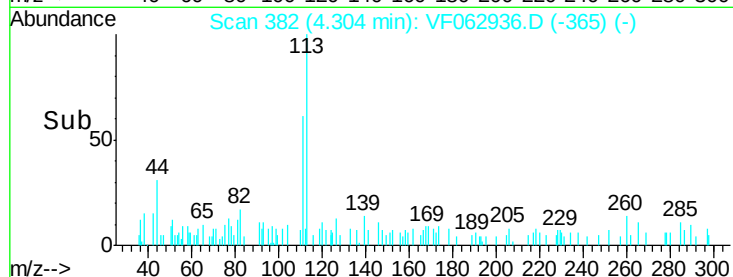
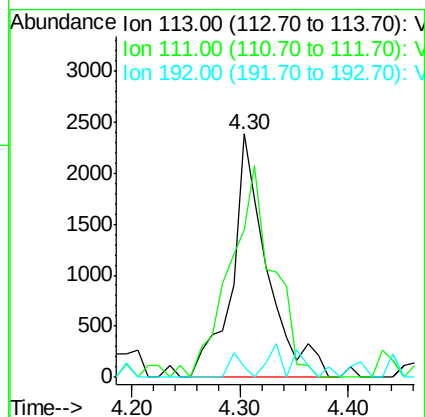
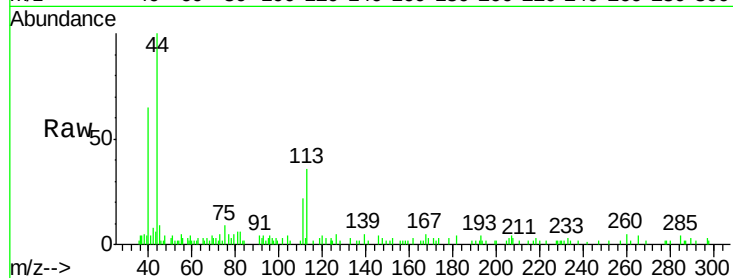




#35
Dibromofluoromethane
Concen: 0.875 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.03 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

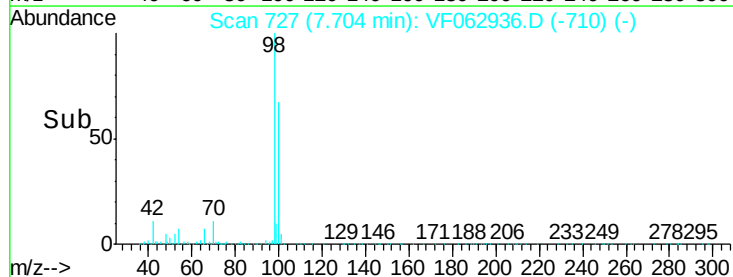
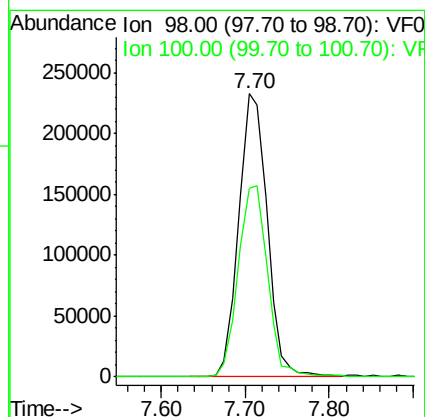
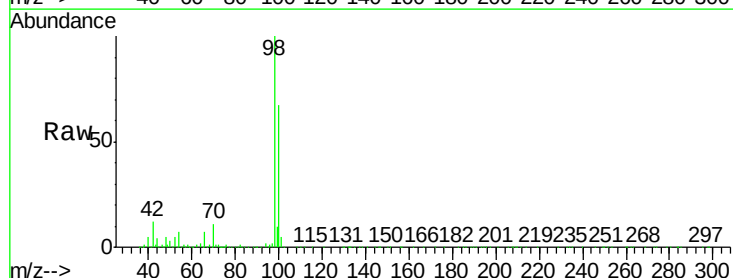
Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

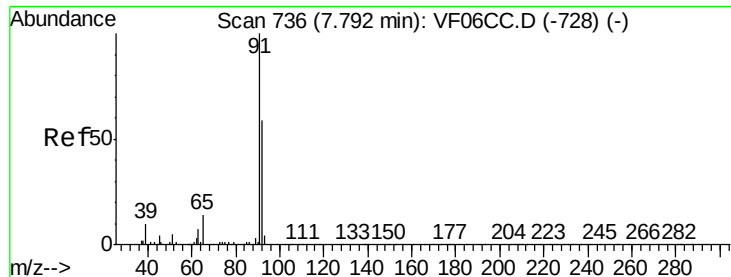
Tot Ion:113 Resp: 5361
Ion Ratio Lower Upper
113 100
111 60.8 81.9 122.9#
192 4.2 15.1 22.7#



#50
Toluene-d8
Concen: 35.707 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion: 98 Resp: 552963
Ion Ratio Lower Upper
98 100
100 66.5 59.8 89.8





#52

Toluene

Concen: 1.080 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

ClientSampleId :

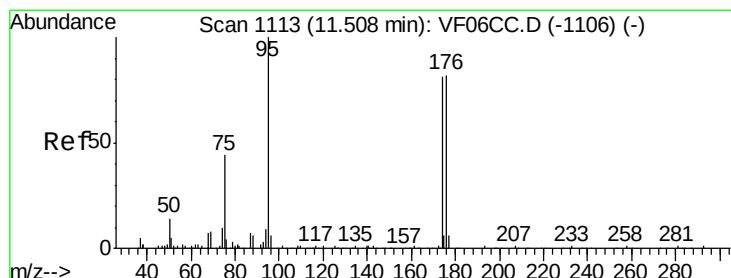
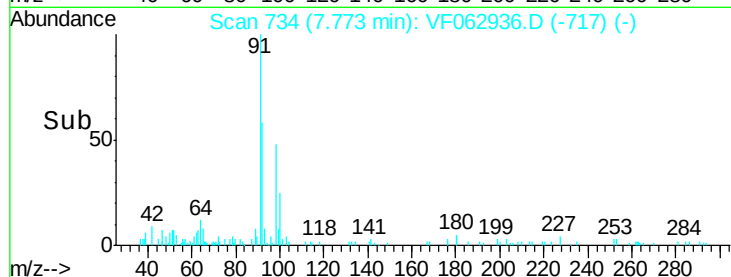
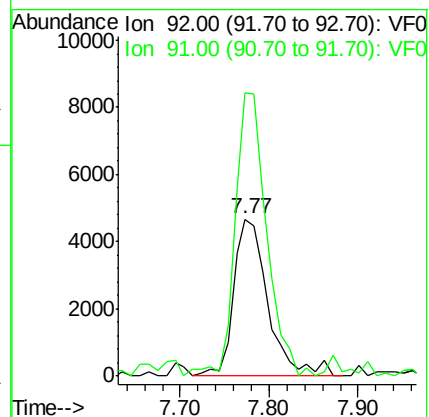
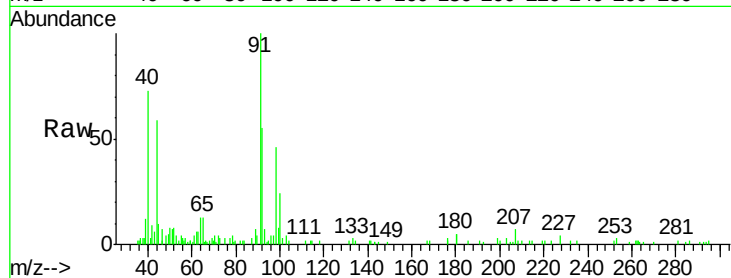
RICH-REC-ROAD-STONE-15

Tot Ion: 92 Resp: 12626

Ion Ratio Lower Upper

92 100

91 180.7 123.2 184.8



#62

4-Bromofluorobenzene

Concen: 30.650 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

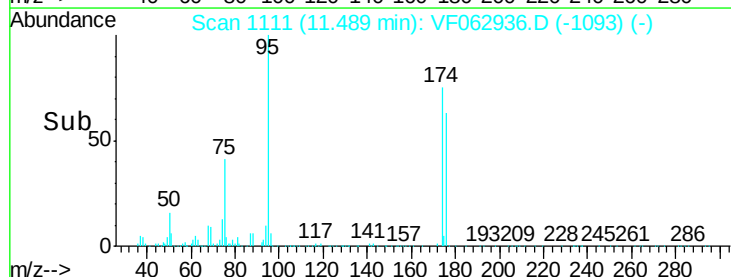
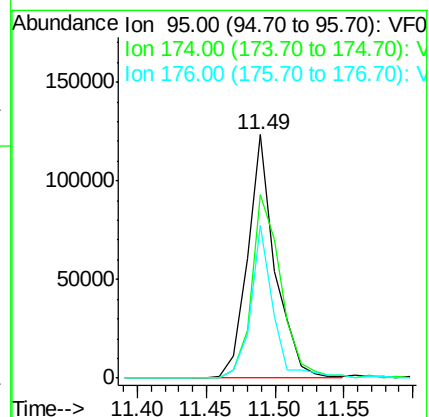
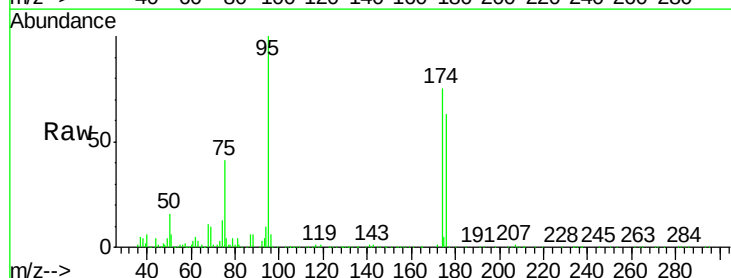
Tgt Ion: 95 Resp: 170740

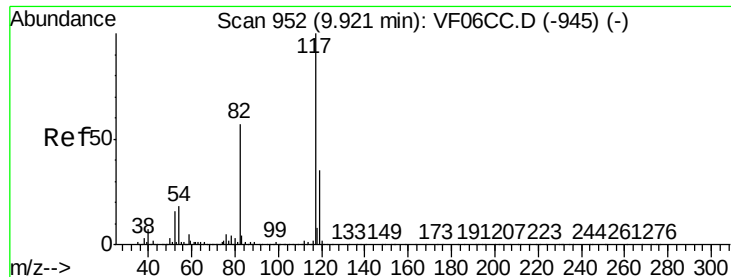
Ion Ratio Lower Upper

95 100

174 75.4 0.0 170.6

176 63.0 0.0 170.6

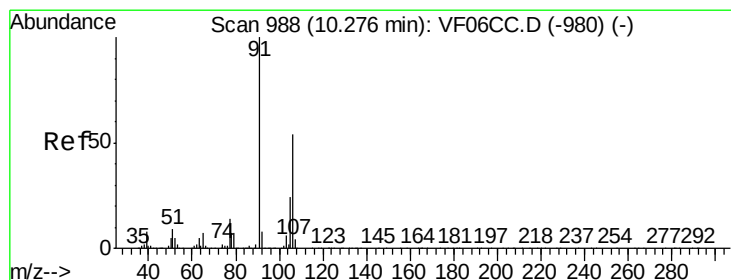
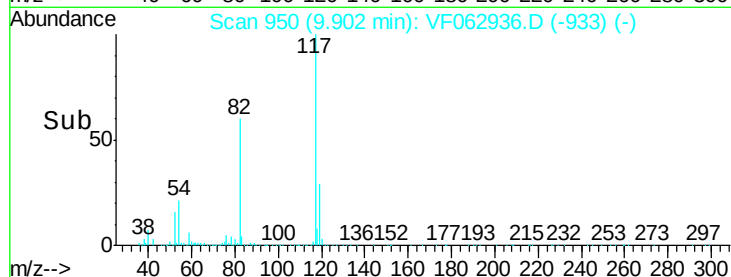
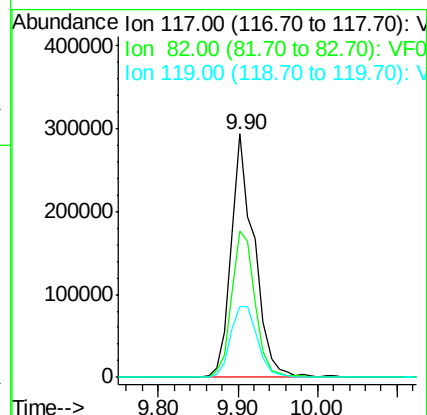
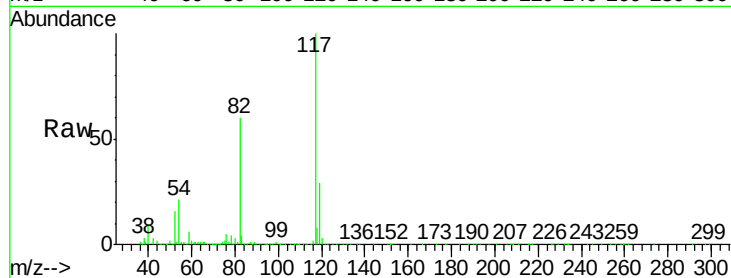




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

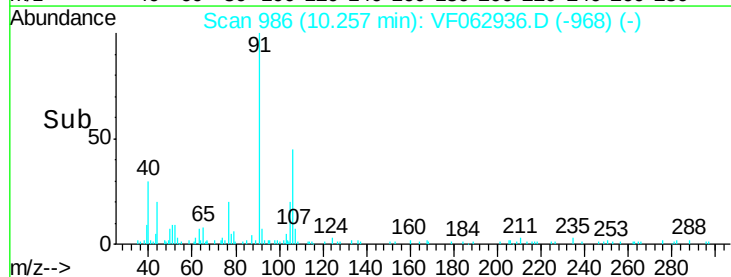
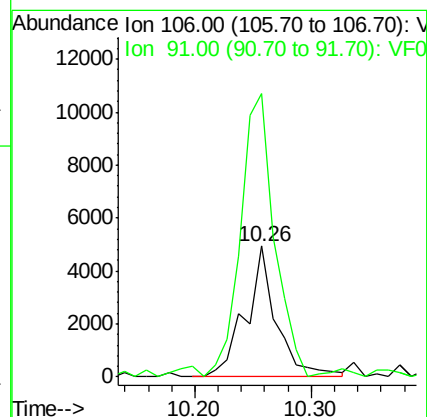
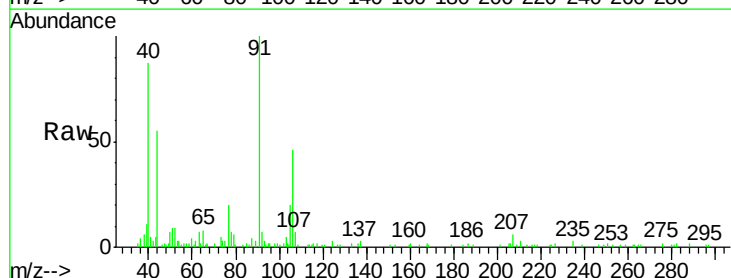
Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

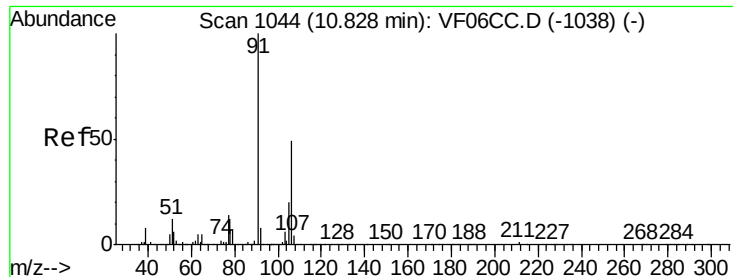
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	42.4	63.6
119	29.1	27.1	40.7



#68
m/p-Xylenes
Concen: 1.193 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.8	136.2	204.4#

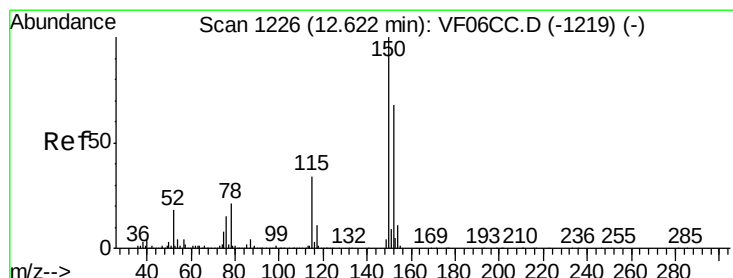
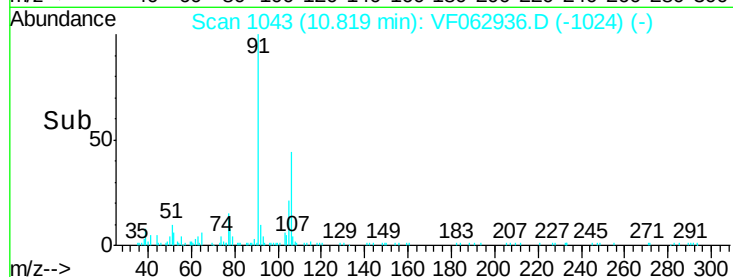
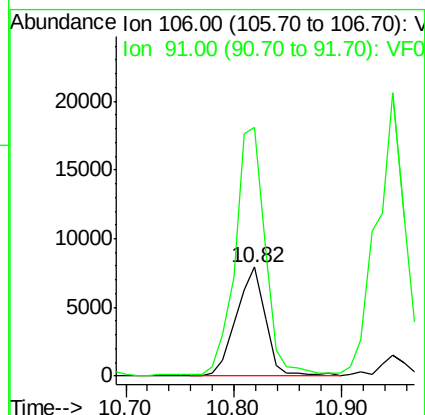
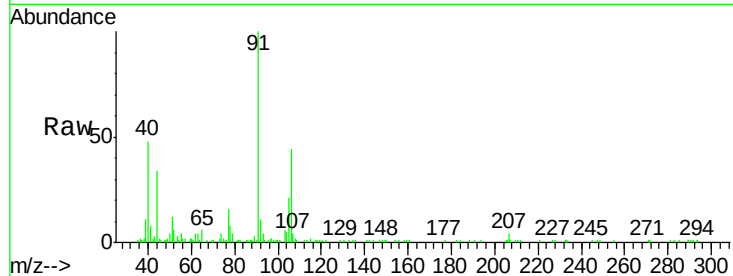




#69
o-Xylene
Concen: 1.935 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

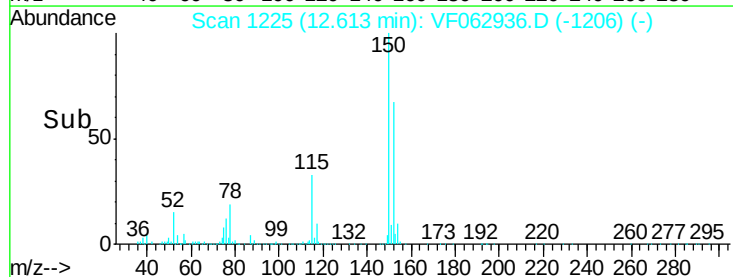
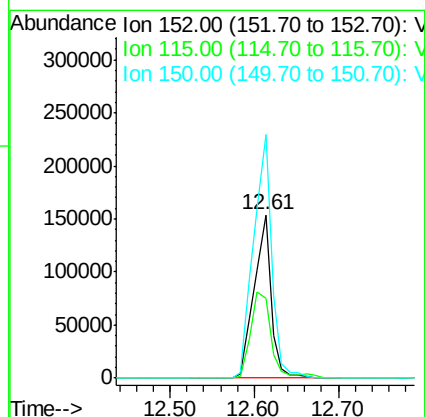
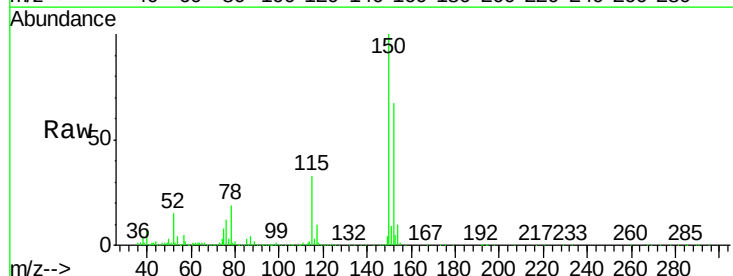
Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

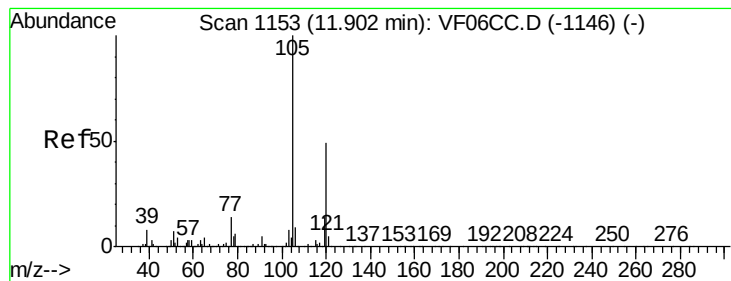
Tot Ion:106 Resp: 14928
Ion Ratio Lower Upper
106 100
91 228.3 96.6 289.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Tgt Ion:152 Resp: 221561
Ion Ratio Lower Upper
152 100
115 48.8 24.6 74.0
150 148.9 0.0 290.6





#80

1,3,5-Trimethylbenzene

Concen: 1.841 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062936.D

Acq: 12 Jun 2019 19:12

Instrument :

MSVOA_F

ClientSampleId :

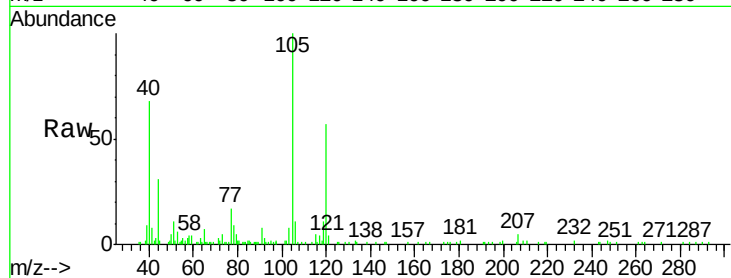
RICH-REC-ROAD-STONE-15

Tot Ion:105 Resp: 23281

Ion Ratio Lower Upper

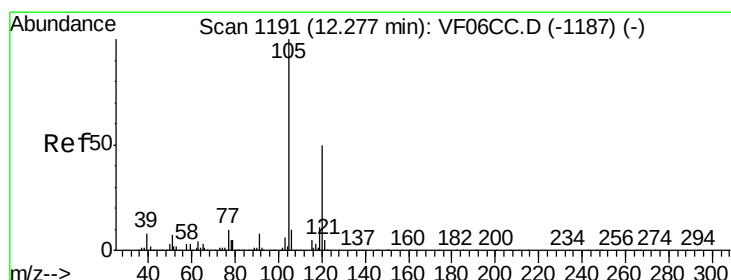
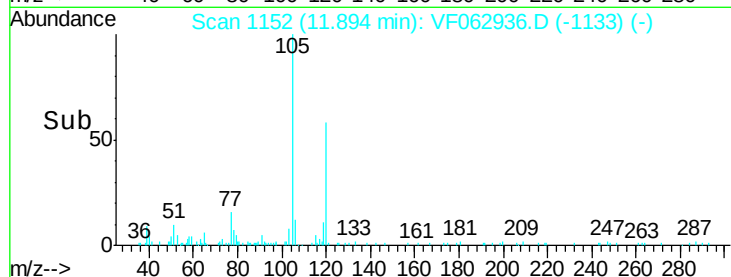
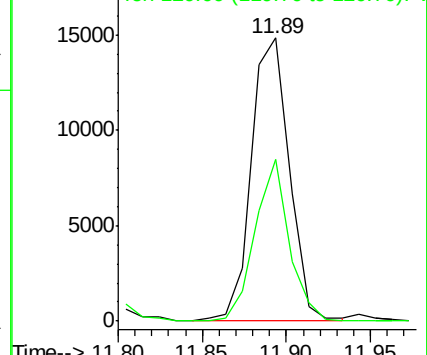
105 100

120 57.0 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 6.645 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062936.D

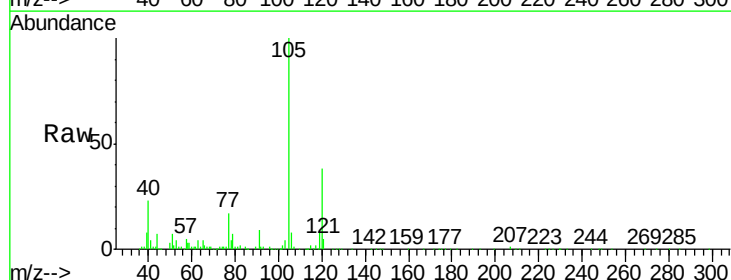
Acq: 12 Jun 2019 19:12

Tgt Ion:105 Resp: 79652

Ion Ratio Lower Upper

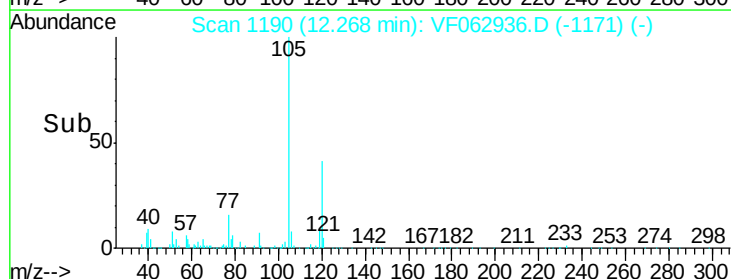
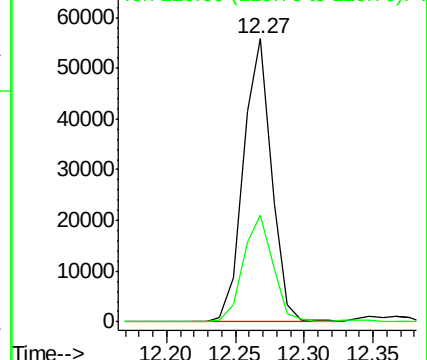
105 100

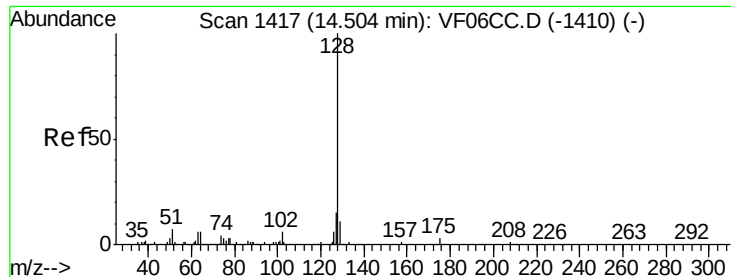
120 37.5 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

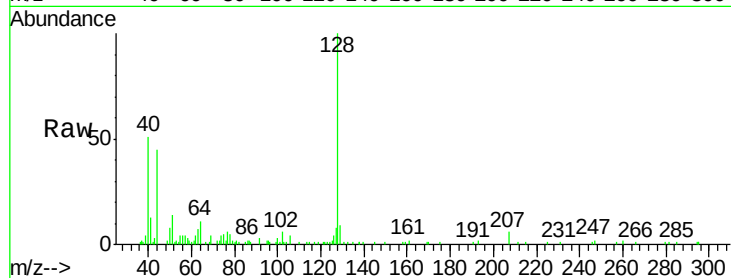




#95
Naphthalene
Concen: 2.823 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062936.D
Acq: 12 Jun 2019 19:12

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.3	9.7	14.5#
129	9.5	9.4	14.2



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

