

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062880.D
 Acq On : 6 Jun 2019 14:03
 Operator : FY/SY
 Sample : K3153-01
 Misc : 6.41g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-060519-A

Quant Time: Jun 07 01:24:16 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	5.07	168	731822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1257481	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1021509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	359157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	216520	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	
35) Dibromofluoromethane	4.33	113	392884	41.35	ug/l	0.00
Spiked Amount			Recovery	=	82.70%	
50) Toluene-d8	7.73	98	802316	33.39	ug/l	0.00
Spiked Amount			Recovery	=	66.78%	
62) 4-Bromofluorobenzene	11.51	95	289489	33.49	ug/l	0.00
Spiked Amount			Recovery	=	66.98%	

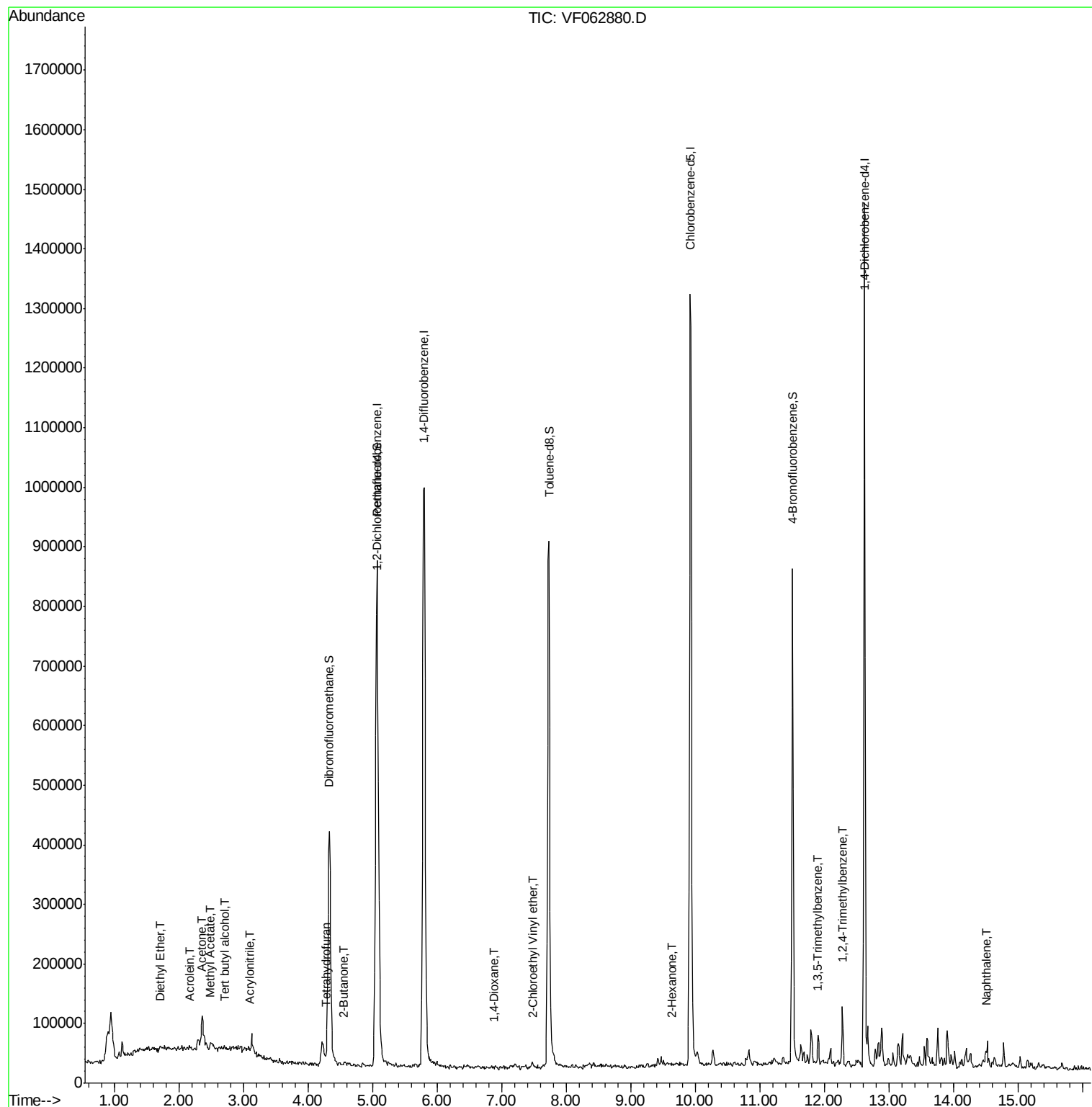
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	1388	Below Cal	#	68
8) Diethyl Ether	1.71	74	2562	1.222	ug/l	84
11) Tert butyl alcohol	2.72	59	1405	4.583	ug/l #	1
13) Acrolein	2.16	56	1384	3.224	ug/l	88
15) Acrylonitrile	3.10	53	1868	1.622	ug/l #	47
16) Acetone	2.36	43	63041	54.428	ug/l	96
18) Methyl Acetate	2.49	43	10197	5.038	ug/l #	89
25) 2-Butanone	4.55	43	5331	1.976	ug/l #	63
29) Tetrahydrofuran	4.27	42	1944	1.884	ug/l #	84
49) 1,4-Dioxane	6.87	88	452	11.382	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.48	63	3087	1.519	ug/l #	85
59) 2-Hexanone	9.64	43	5721	1.923	ug/l	79
80) 1,3,5-Trimethylbenzene	11.90	105	25214	1.230	ug/l	85
84) 1,2,4-Trimethylbenzene	12.28	105	42146	2.169	ug/l	92
95) Naphthalene	14.51	128	11128	1.014	ug/l #	86

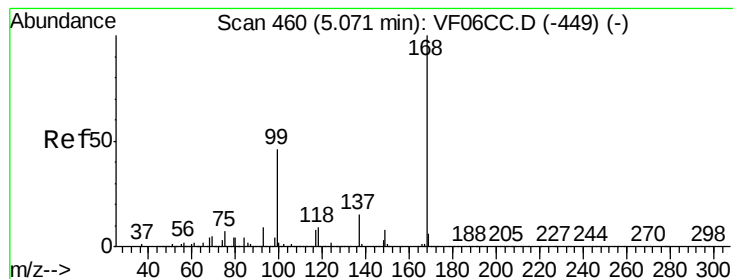
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\
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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: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062880.D

Acq: 6 Jun 2019 14:03

Instrument :

MSVOA_F

ClientSampleId :

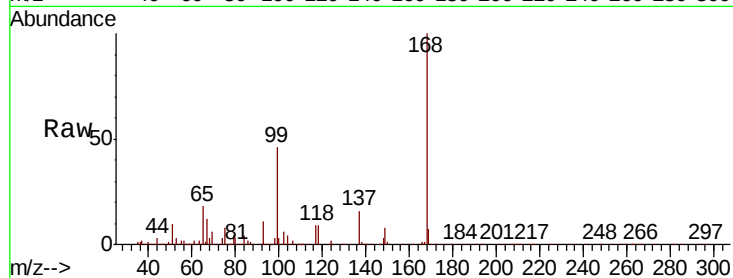
HR-05-060519-A

Tot Ion:168 Resp: 731822

Ion Ratio Lower Upper

168 100

99 46.4 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

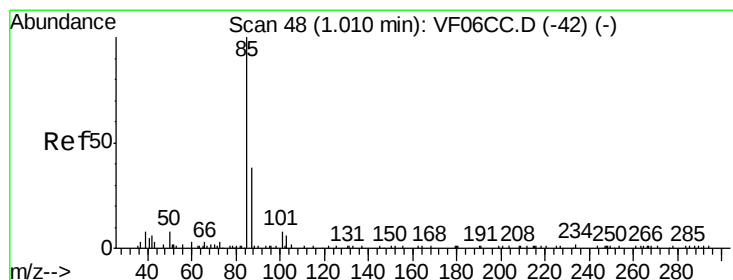
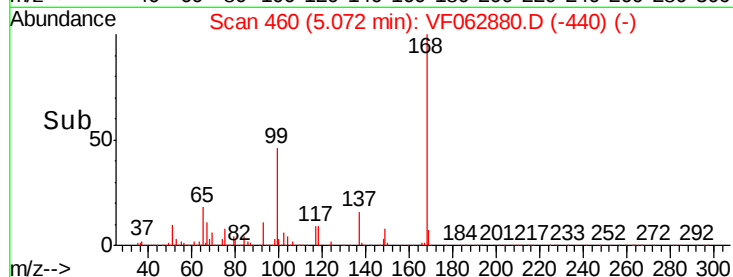
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062880.D

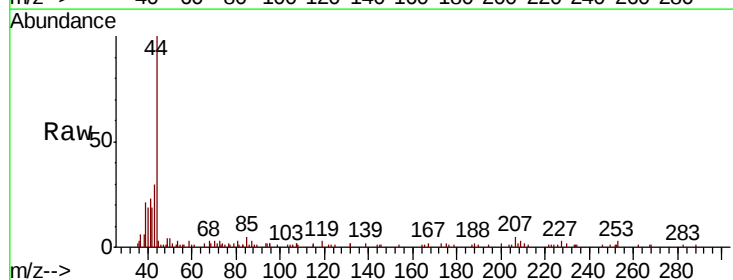
Acq: 6 Jun 2019 14:03

Tgt Ion: 85 Resp: 1388

Ion Ratio Lower Upper

85 100

87 53.8 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

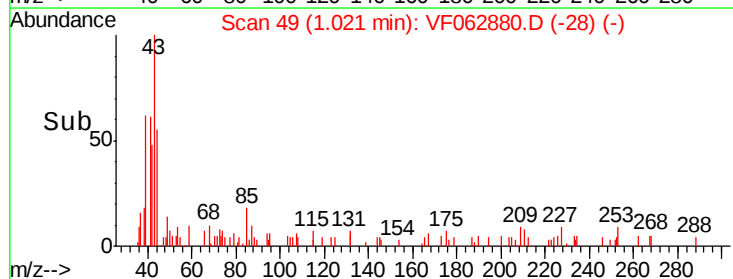
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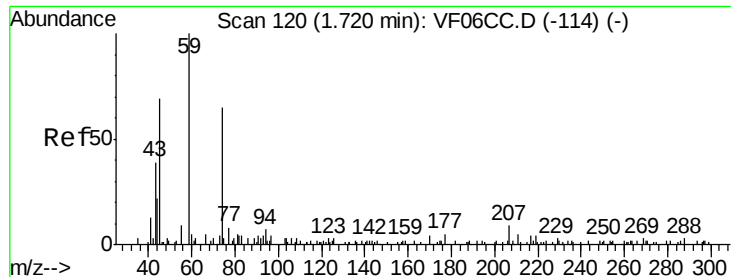
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.222 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062880.D

Acq: 6 Jun 2019 14:03

Instrument :

MSVOA_F

ClientSampleId :

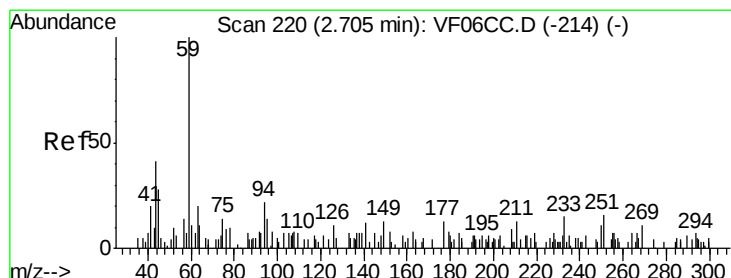
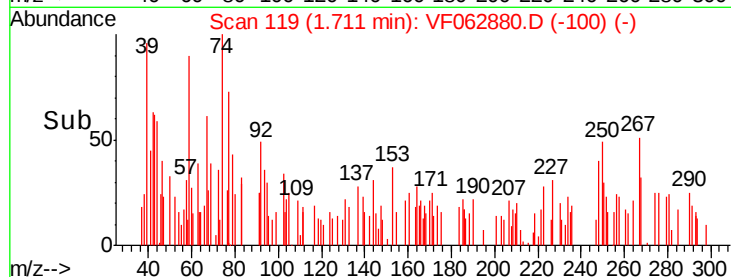
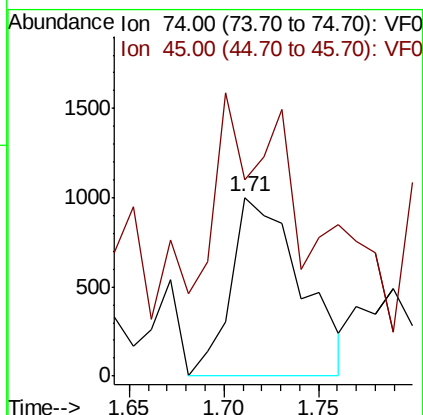
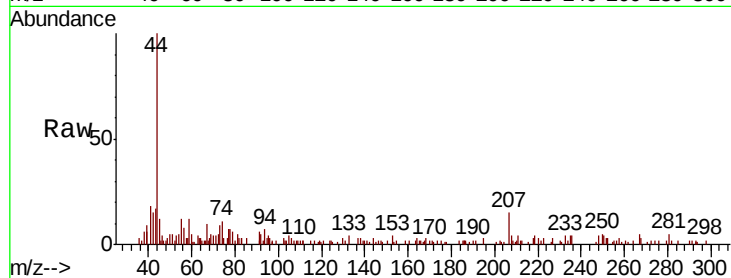
HR-05-060519-A

Tot Ion: 74 Resp: 2562

Ion Ratio Lower Upper

74 100

45 110.2 47.5 142.5



#11

Tert butyl alcohol

Concen: 4.583 ug/l

RT: 2.72 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF062880.D

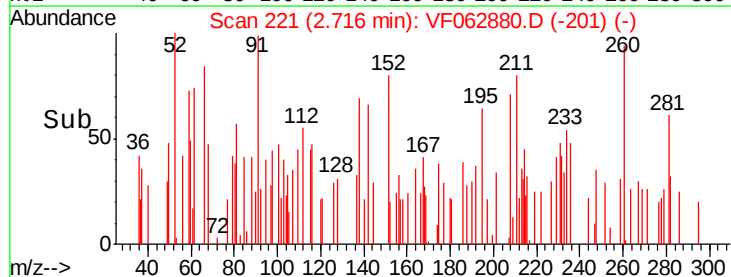
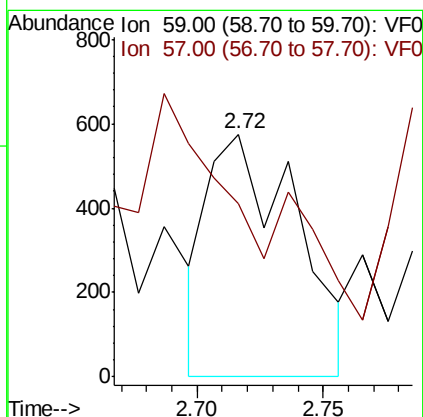
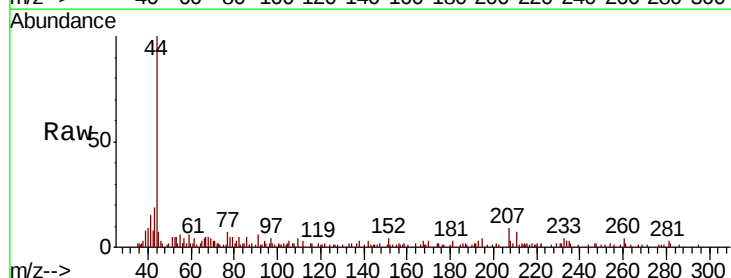
Acq: 6 Jun 2019 14:03

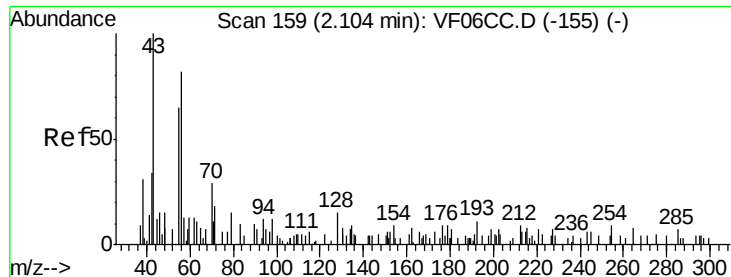
Tgt Ion: 59 Resp: 1405

Ion Ratio Lower Upper

59 100

57 71.5 9.2 13.8#

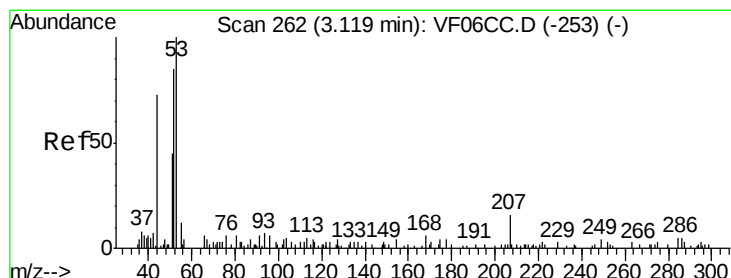
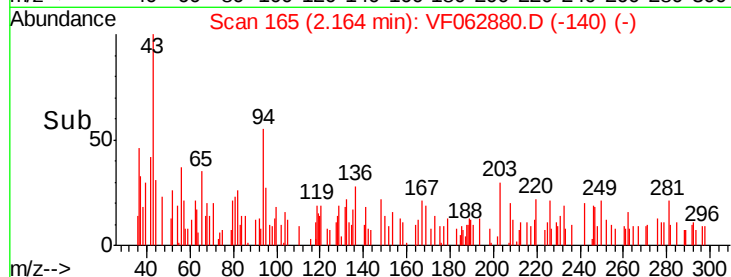
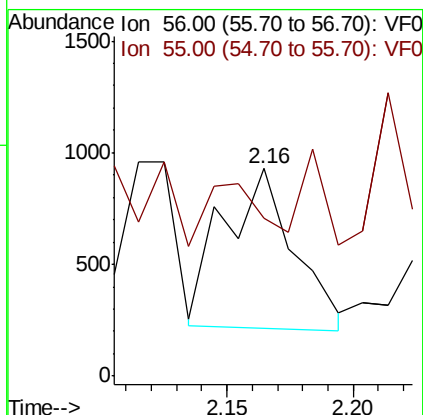
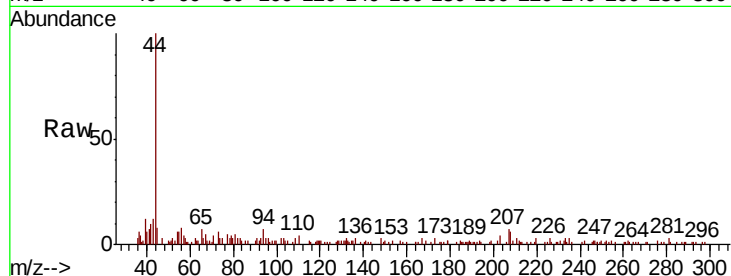




#13
Acrolein
Concen: 3.224 ug/l
RT: 2.16 min Scan# 165
Delta R.T. 0.05 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

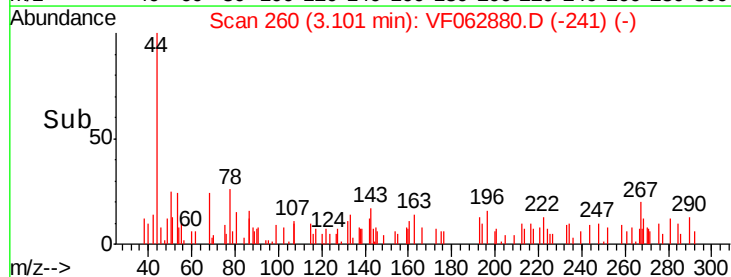
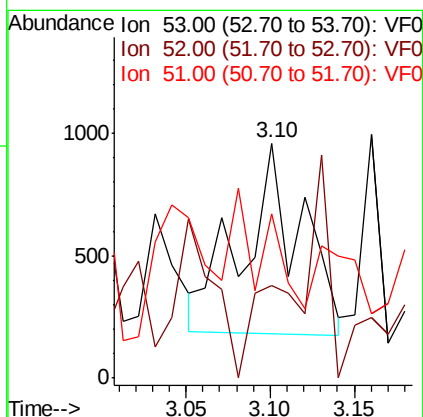
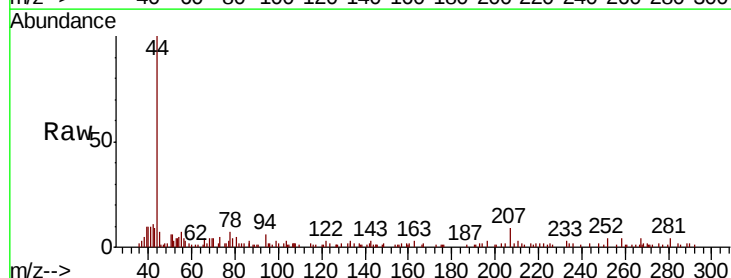
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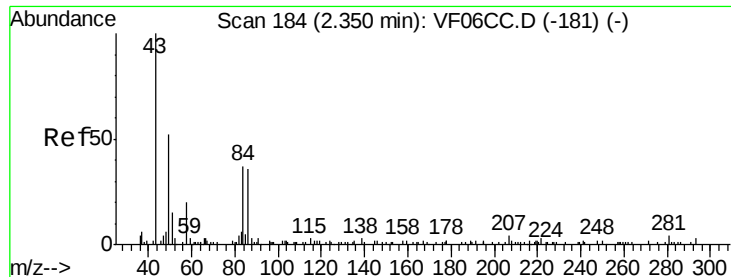
Tot Ion: 56 Resp: 1384
Ion Ratio Lower Upper
56 100
55 76.0 52.9 79.3



#15
Acrylonitrile
Concen: 1.622 ug/l
RT: 3.10 min Scan# 260
Delta R.T. -0.01 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

Tgt Ion: 53 Resp: 1868
Ion Ratio Lower Upper
53 100
52 39.4 68.1 102.1#
51 70.2 27.7 41.5#





#16

Acetone

Concen: 54.428 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062880.D

Acq: 6 Jun 2019 14:03

Instrument :

MSVOA_F

ClientSampleId :

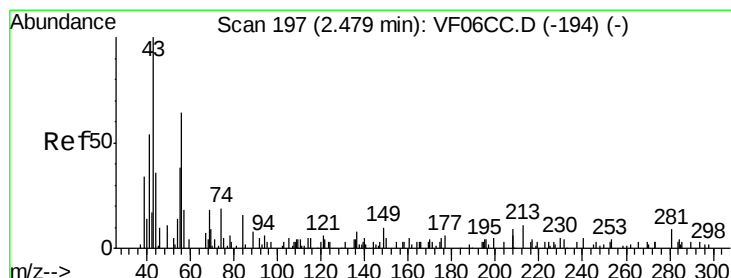
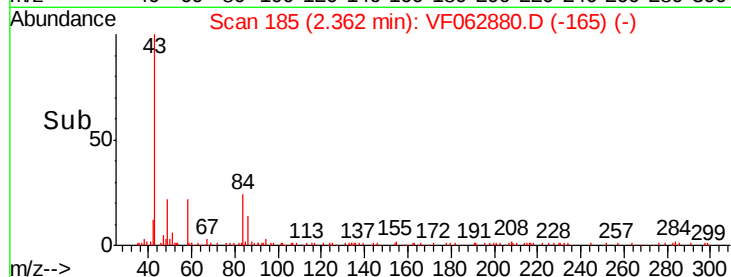
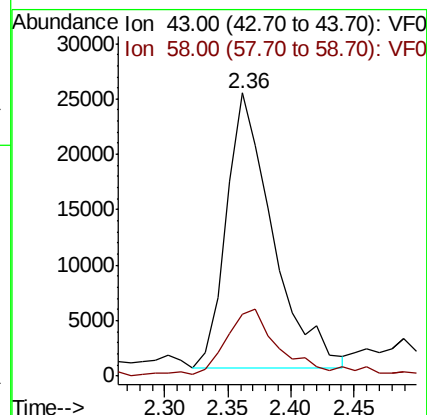
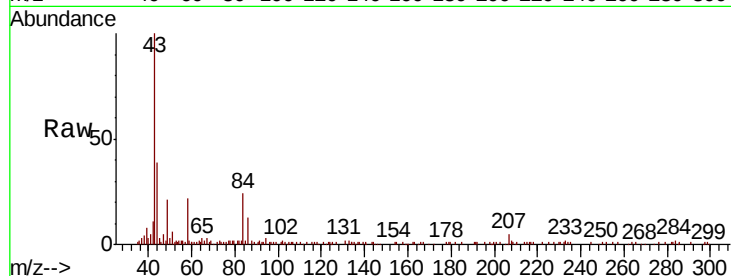
HR-05-060519-A

Tot Ion: 43 Resp: 63041

Ion Ratio Lower Upper

43 100

58 21.9 19.0 28.4



#18

Methyl Acetate

Concen: 5.038 ug/l

RT: 2.49 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF062880.D

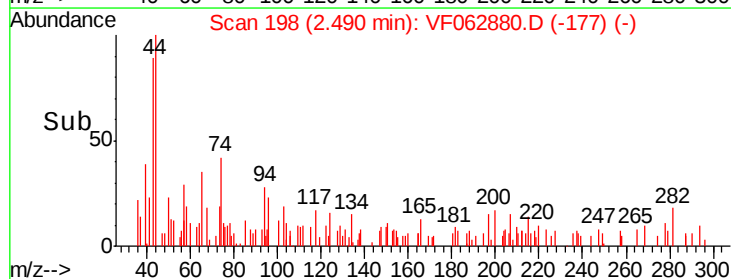
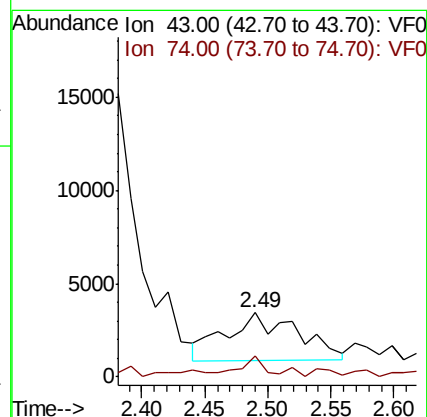
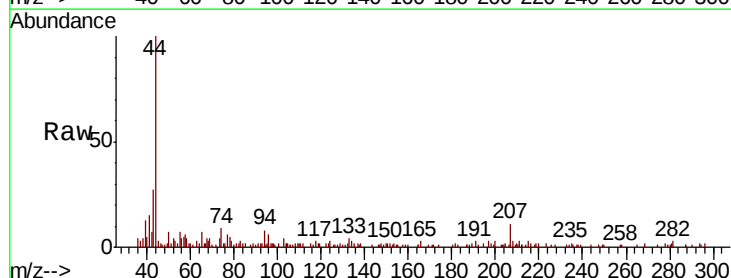
Acq: 6 Jun 2019 14:03

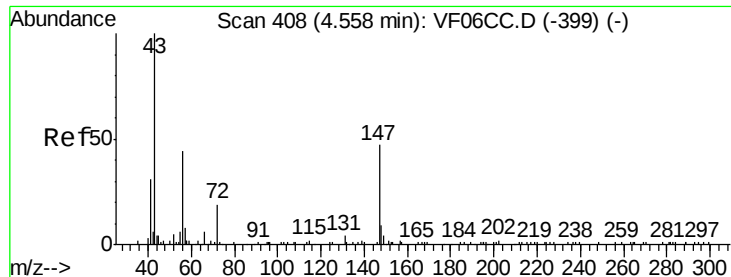
Tgt Ion: 43 Resp: 10197

Ion Ratio Lower Upper

43 100

74 33.5 22.1 33.1#

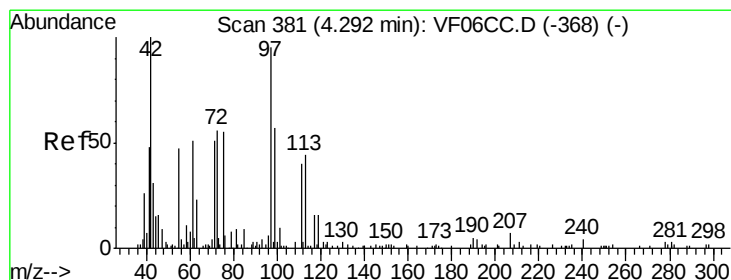
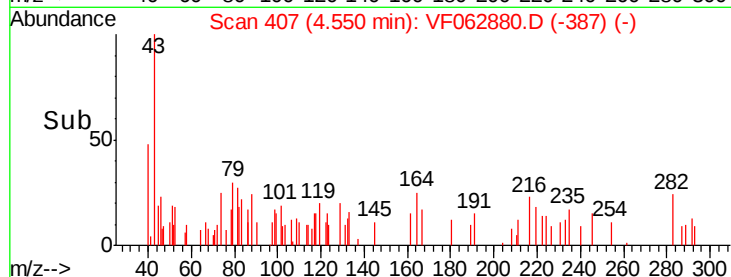
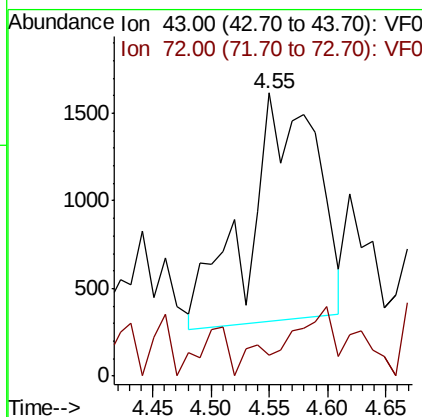
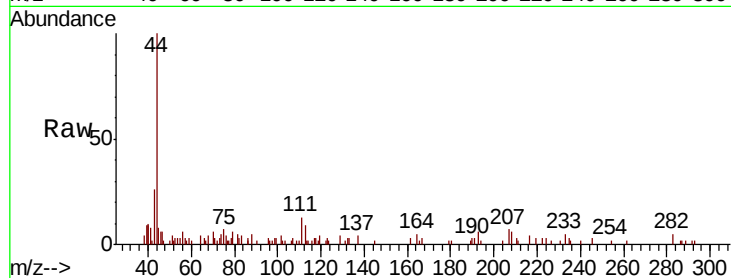




#25
2-Butanone
Concen: 1.976 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

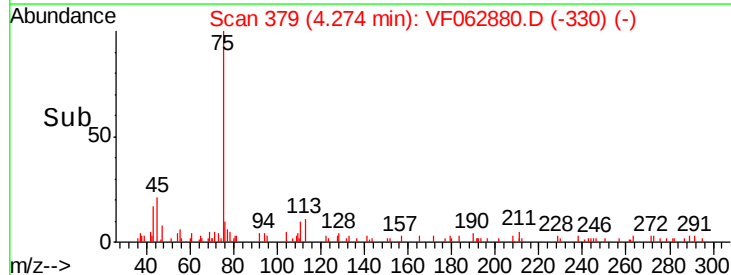
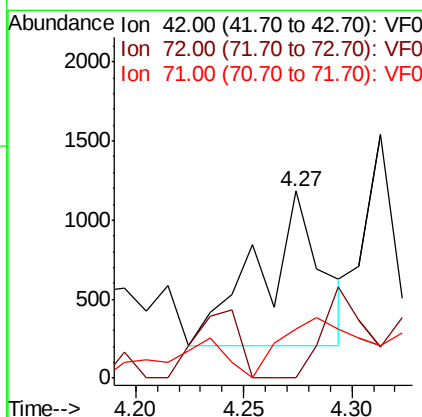
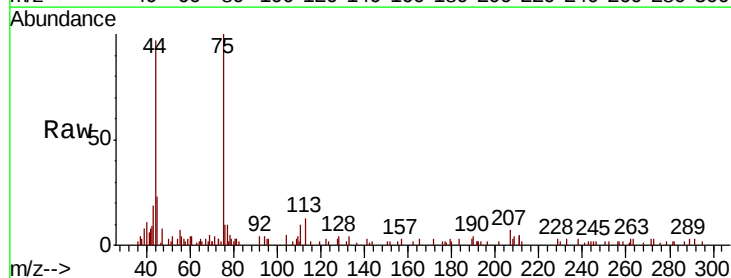
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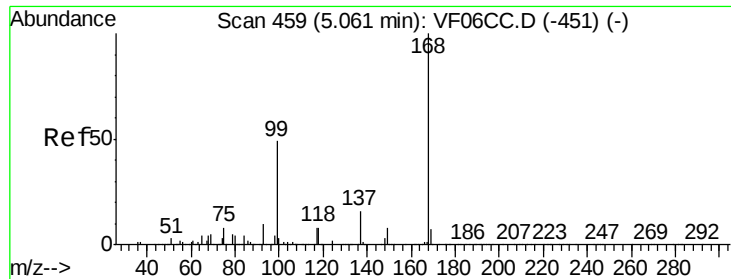
Tot Ion: 43 Resp: 5331
Ion Ratio Lower Upper
43 100
72 7.5 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.884 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

Tgt Ion: 42 Resp: 1944
Ion Ratio Lower Upper
42 100
72 64.6 39.0 58.6#
71 51.4 36.9 55.3

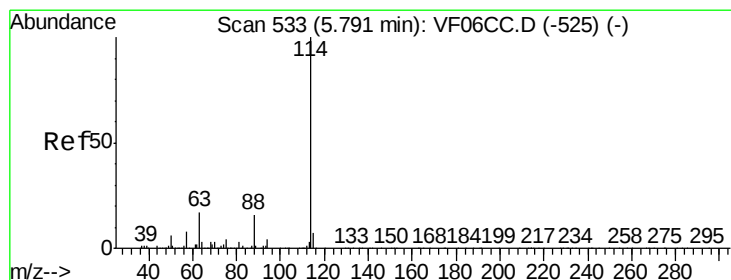
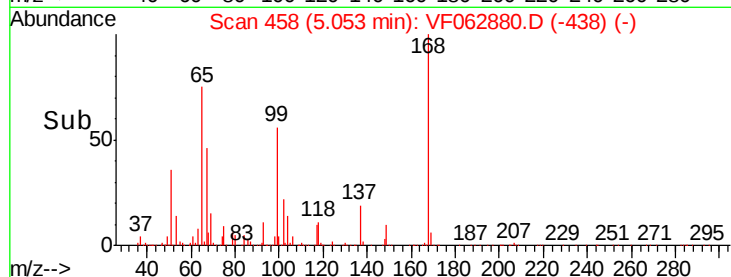
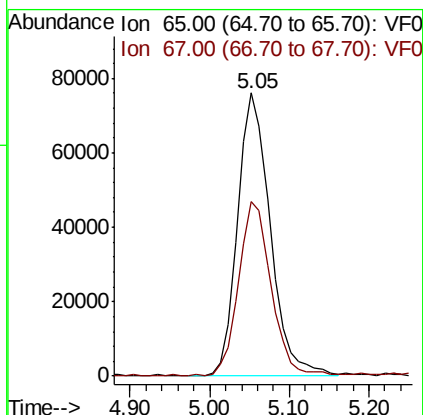
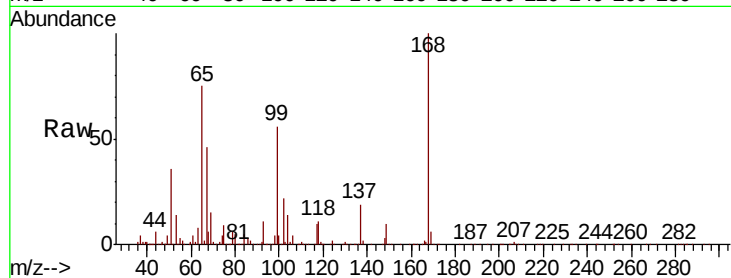




#33
 1,2-Dichloroethane-d4
 Concen: 42.785 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062880.D
 Acq: 6 Jun 2019 14:03

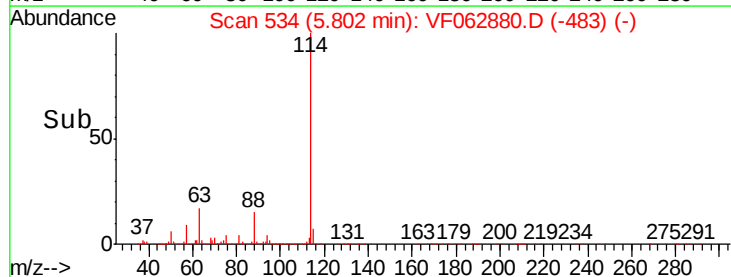
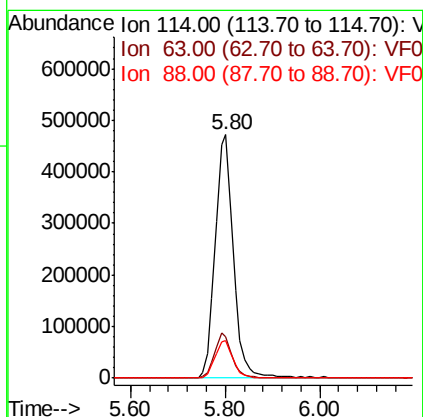
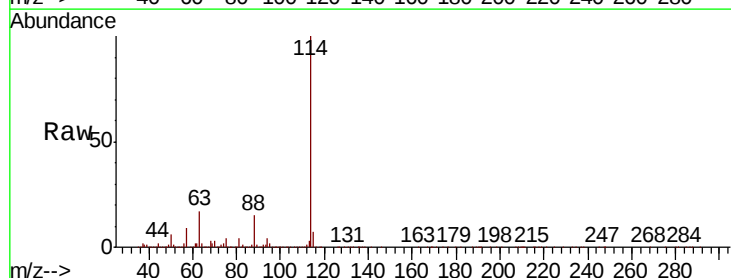
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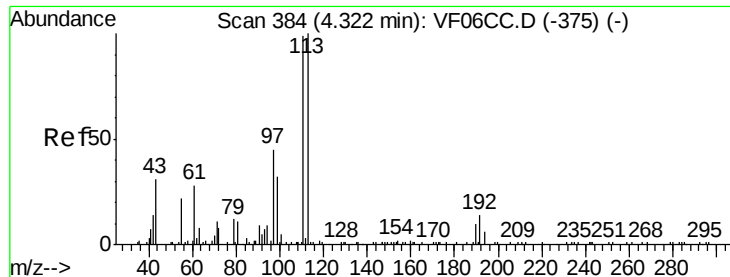
Tot Ion: 65 Resp: 216520
 Ion Ratio Lower Upper
 65 100
 67 61.7 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VF062880.D
 Acq: 6 Jun 2019 14:03

Tgt Ion: 114 Resp: 1257481
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.2
 88 15.3 0.0 31.2

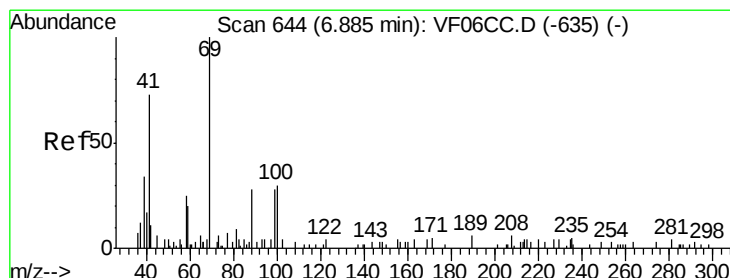
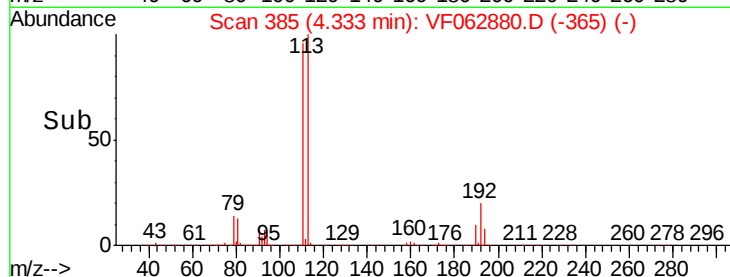
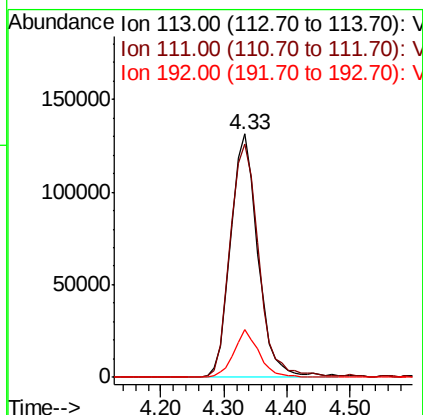
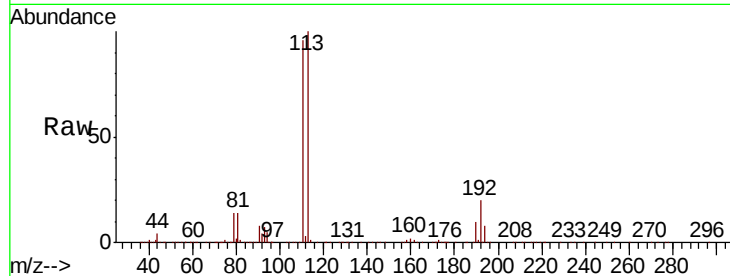




#35
 Dibromofluoromethane
 Concen: 41.347 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VF062880.D
 Acq: 6 Jun 2019 14:03

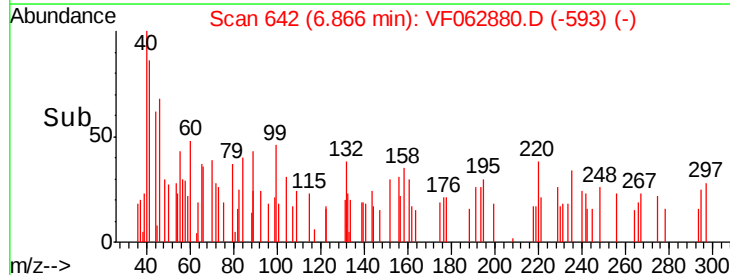
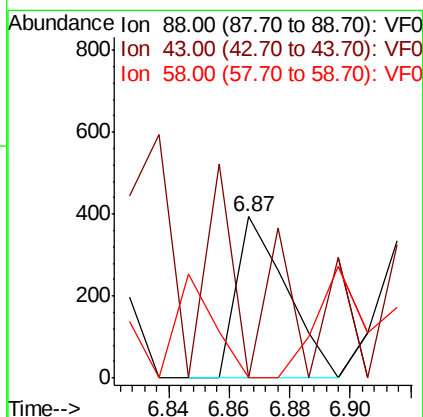
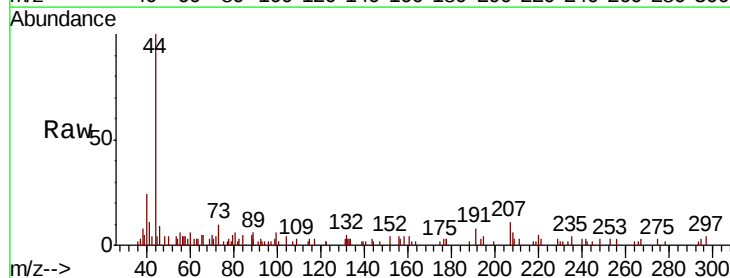
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 HR-05-060519-A

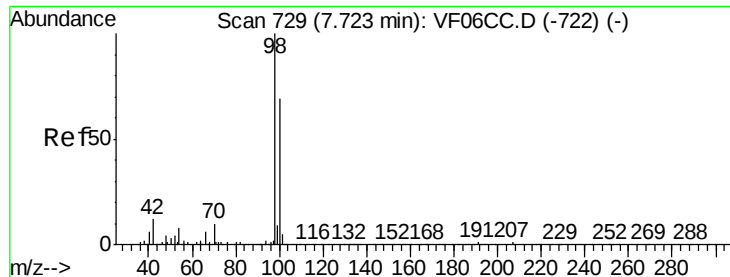
Tot Ion	Ratio	Lower	Upper
113	100		
111	95.7	81.9	122.9
192	19.6	15.1	22.7



#49
 1,4-Dioxane
 Concen: 11.382 ug/l
 RT: 6.87 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: VF062880.D
 Acq: 6 Jun 2019 14:03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	0.0	59.9	89.9#

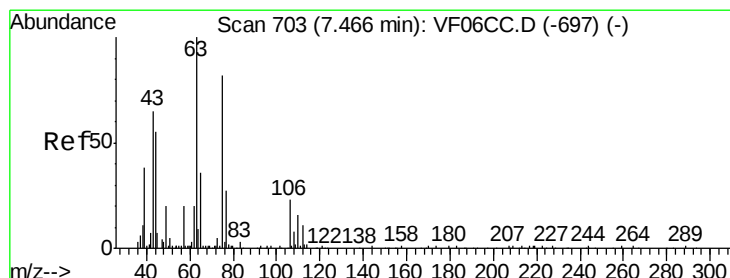
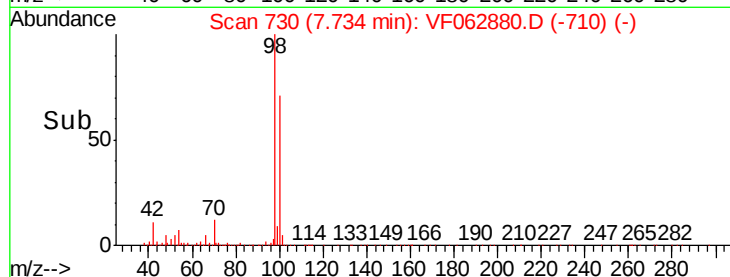
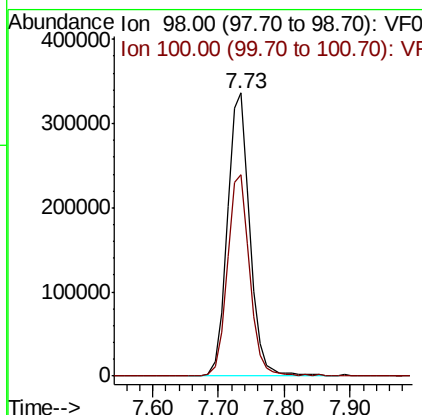
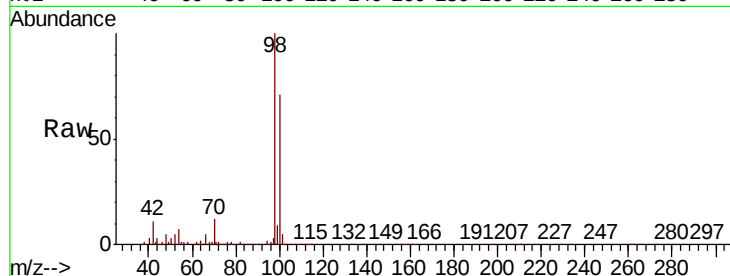




#50
Toluene-d8
Concen: 33.390 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

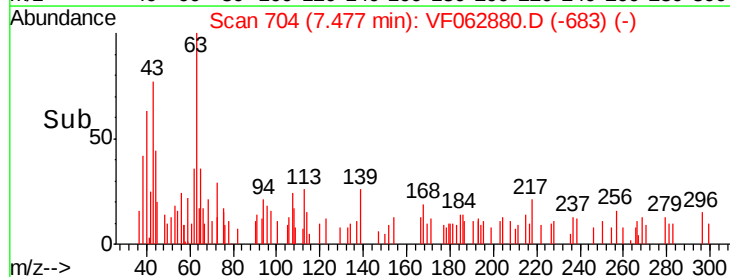
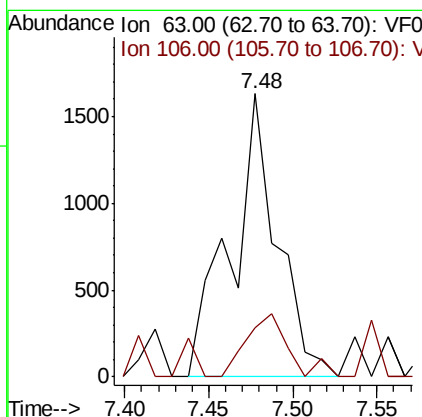
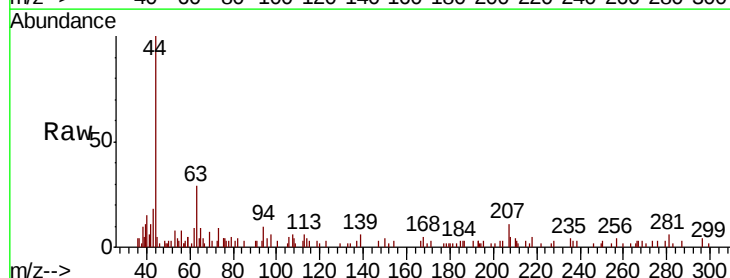
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-A

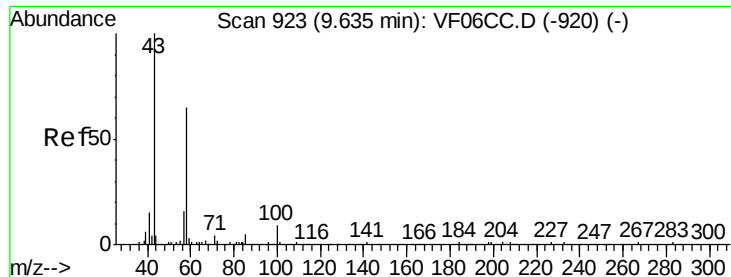
Tot Ion: 98 Resp: 802316
Ion Ratio Lower Upper
98 100
100 71.2 59.8 89.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.519 ug/l
RT: 7.48 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

Tgt Ion: 63 Resp: 3087
Ion Ratio Lower Upper
63 100
106 17.2 19.5 29.3#

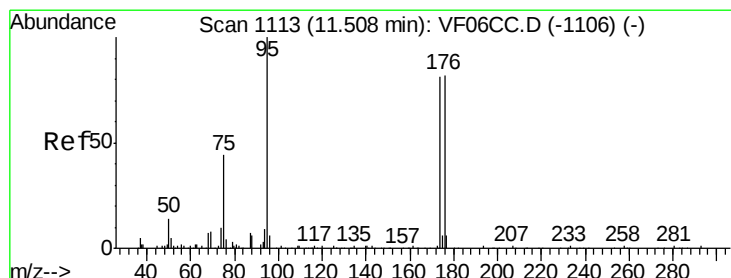
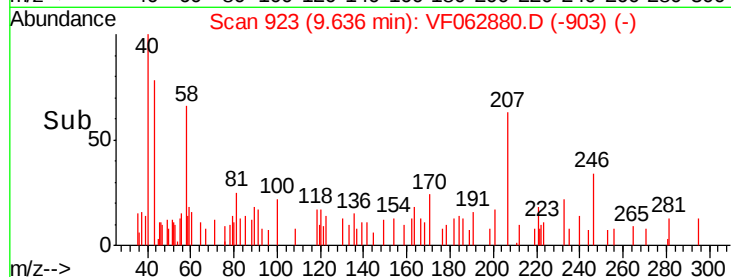
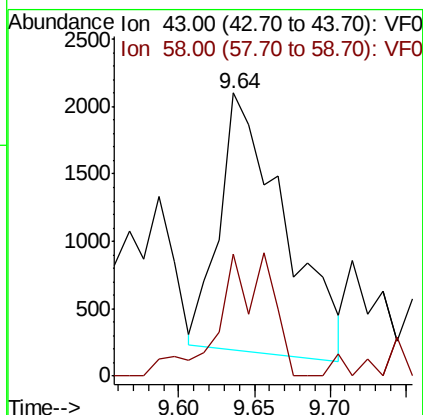
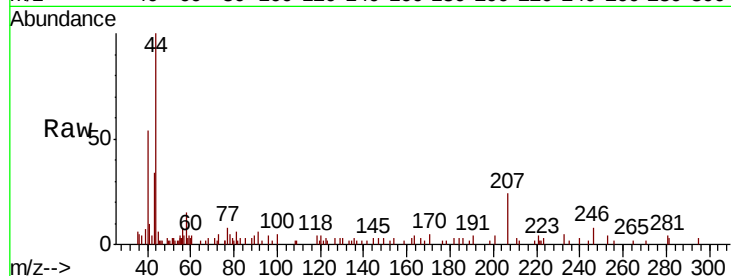




#59
2-Hexanone
Concen: 1.923 ug/l
RT: 9.64 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

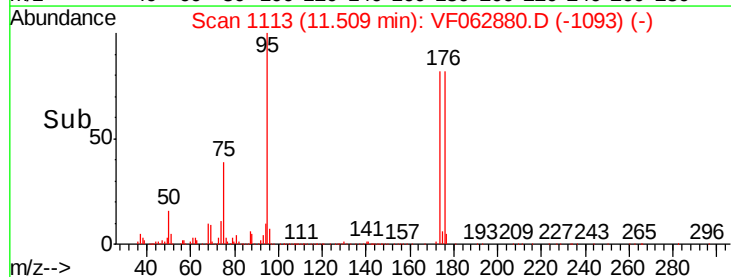
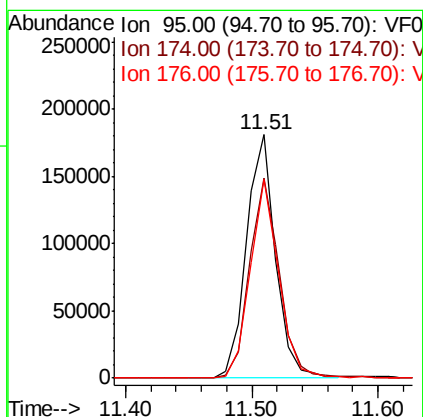
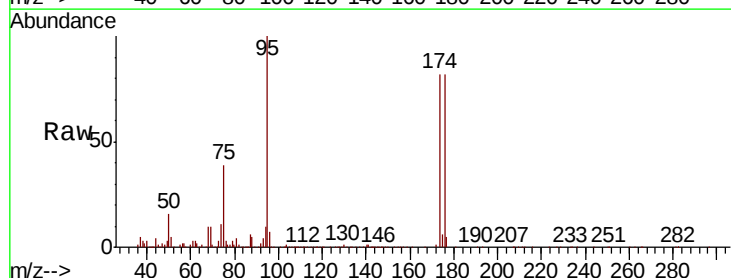
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-A

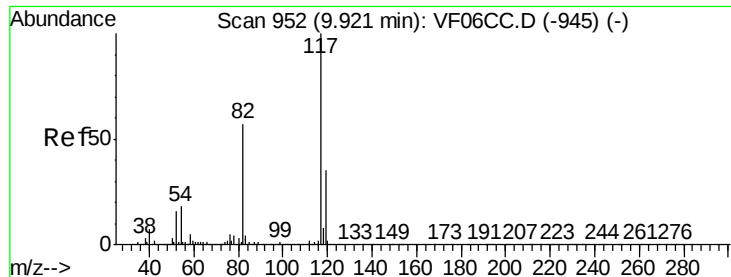
Tot Ion: 43 Resp: 5721
Ion Ratio Lower Upper
43 100
58 43.3 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 33.492 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

Tgt Ion: 95 Resp: 289489
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.6
176 81.8 0.0 170.6

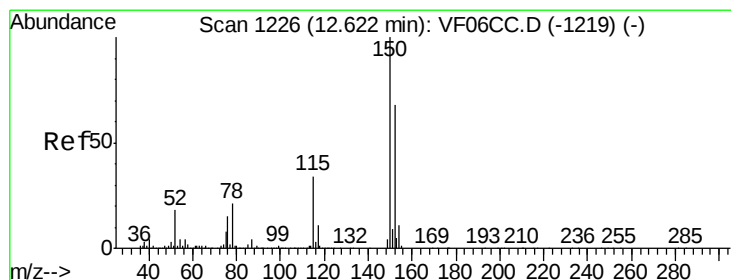
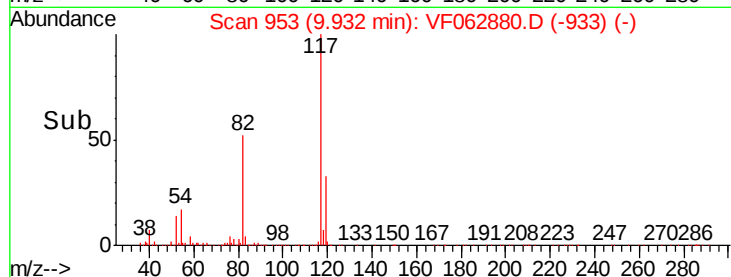
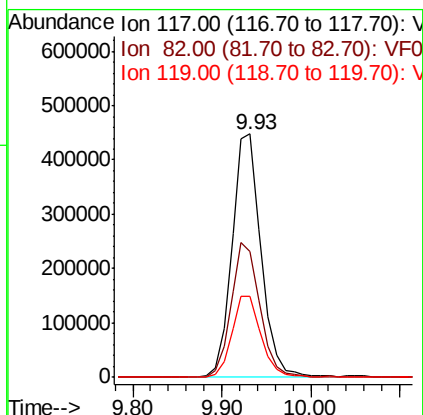
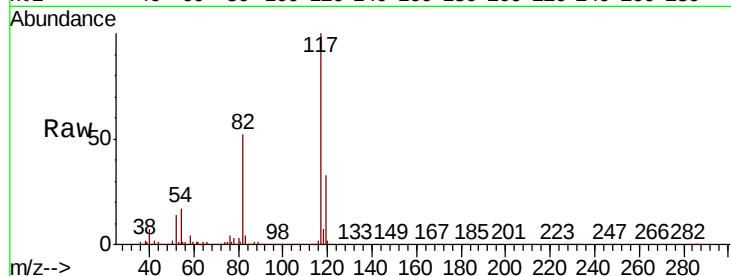




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

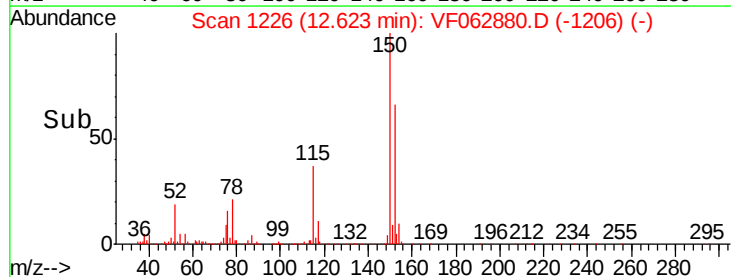
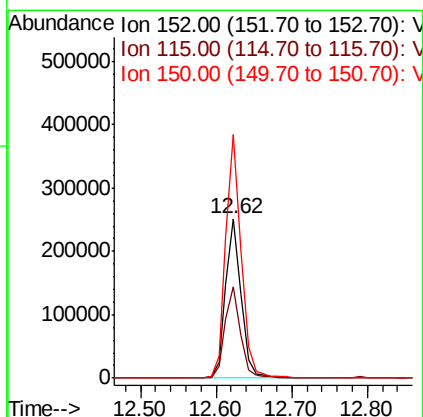
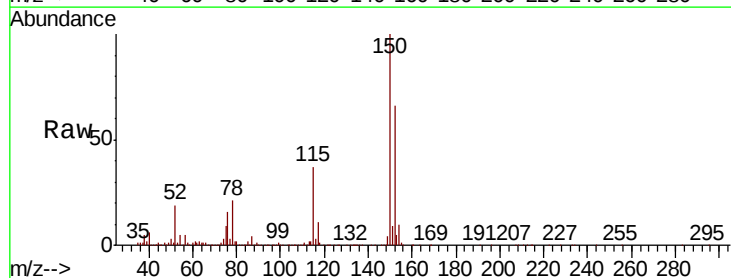
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-A

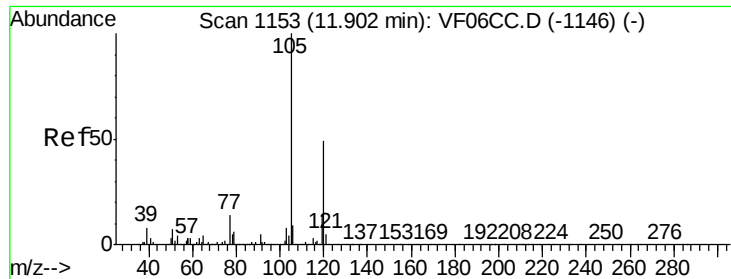
Tot Ion:117 Resp: 1021509
Ion Ratio Lower Upper
117 100
82 51.7 42.4 63.6
119 33.3 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

Tgt Ion:152 Resp: 359157
Ion Ratio Lower Upper
152 100
115 56.8 24.6 74.0
150 152.4 0.0 290.6





#80

1,3,5-Trimethylbenzene

Concen: 1.230 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062880.D

Acq: 6 Jun 2019 14:03

Instrument :

MSVOA_F

ClientSampleId :

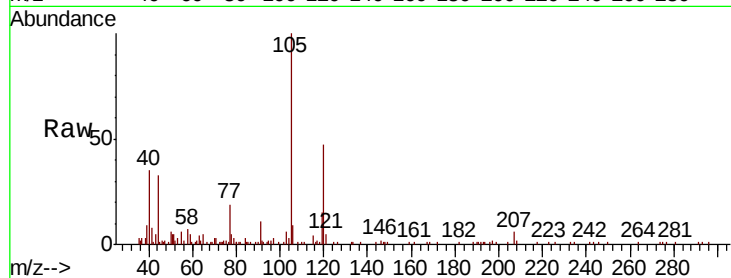
HR-05-060519-A

Tot Ion:105 Resp: 25214

Ion Ratio Lower Upper

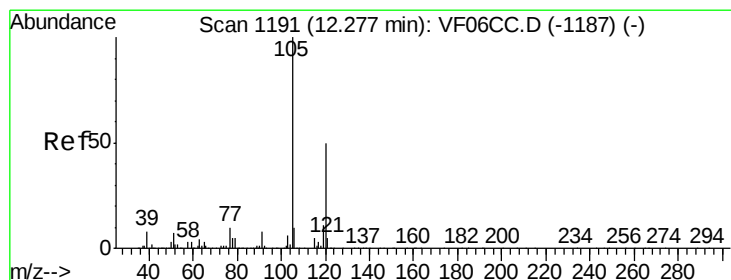
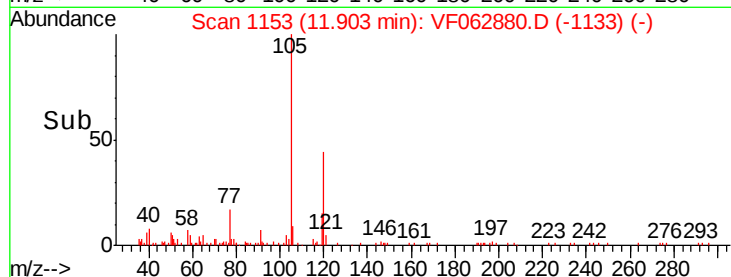
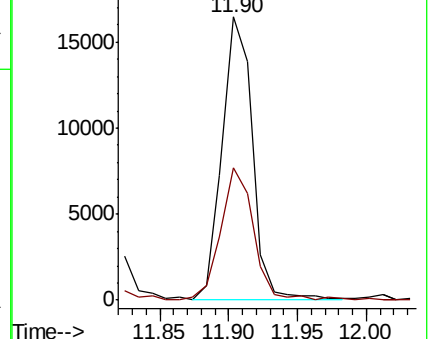
105 100

120 46.7 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: 2.169 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062880.D

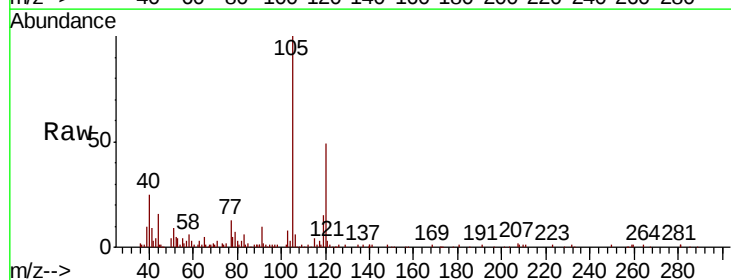
Acq: 6 Jun 2019 14:03

Tgt Ion:105 Resp: 42146

Ion Ratio Lower Upper

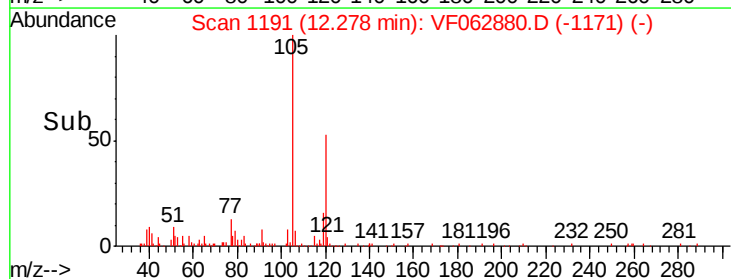
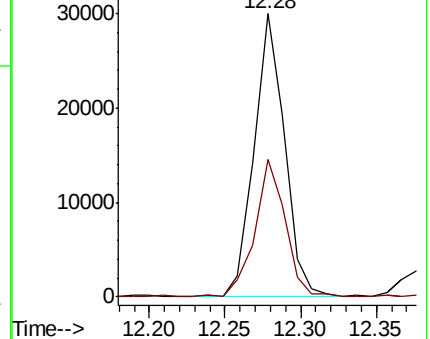
105 100

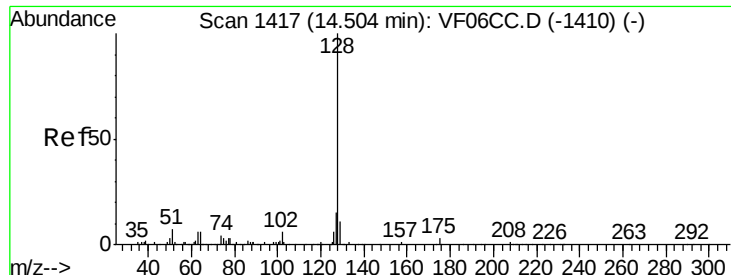
120 48.7 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

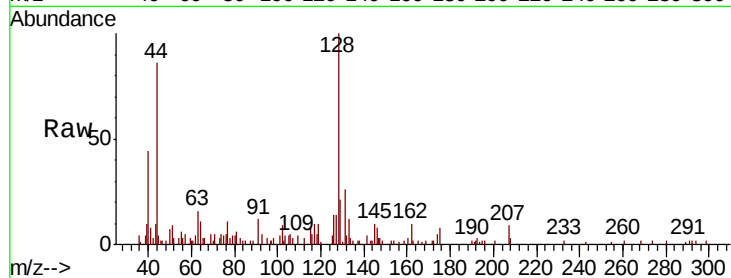




#95
Naphthalene
Concen: 1.014 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062880.D
Acq: 6 Jun 2019 14:03

Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.7	14.5
129	21.4	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

