

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062879.D
 Acq On : 6 Jun 2019 13:35
 Operator : FY/SY
 Sample : K3156-01
 Misc : 6.77g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-060519

Quant Time: Jun 07 01:24:06 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	708284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1184027	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	995109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	410770	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	199946	40.82	ug/l	0.00
Spiked Amount			Recovery	=	81.64%	
35) Dibromofluoromethane	4.33	113	373513	41.75	ug/l	0.00
Spiked Amount			Recovery	=	83.50%	
50) Toluene-d8	7.73	98	784937	34.69	ug/l	0.00
Spiked Amount			Recovery	=	69.38%	
62) 4-Bromofluorobenzene	11.51	95	303853	37.34	ug/l	0.00
Spiked Amount			Recovery	=	74.68%	

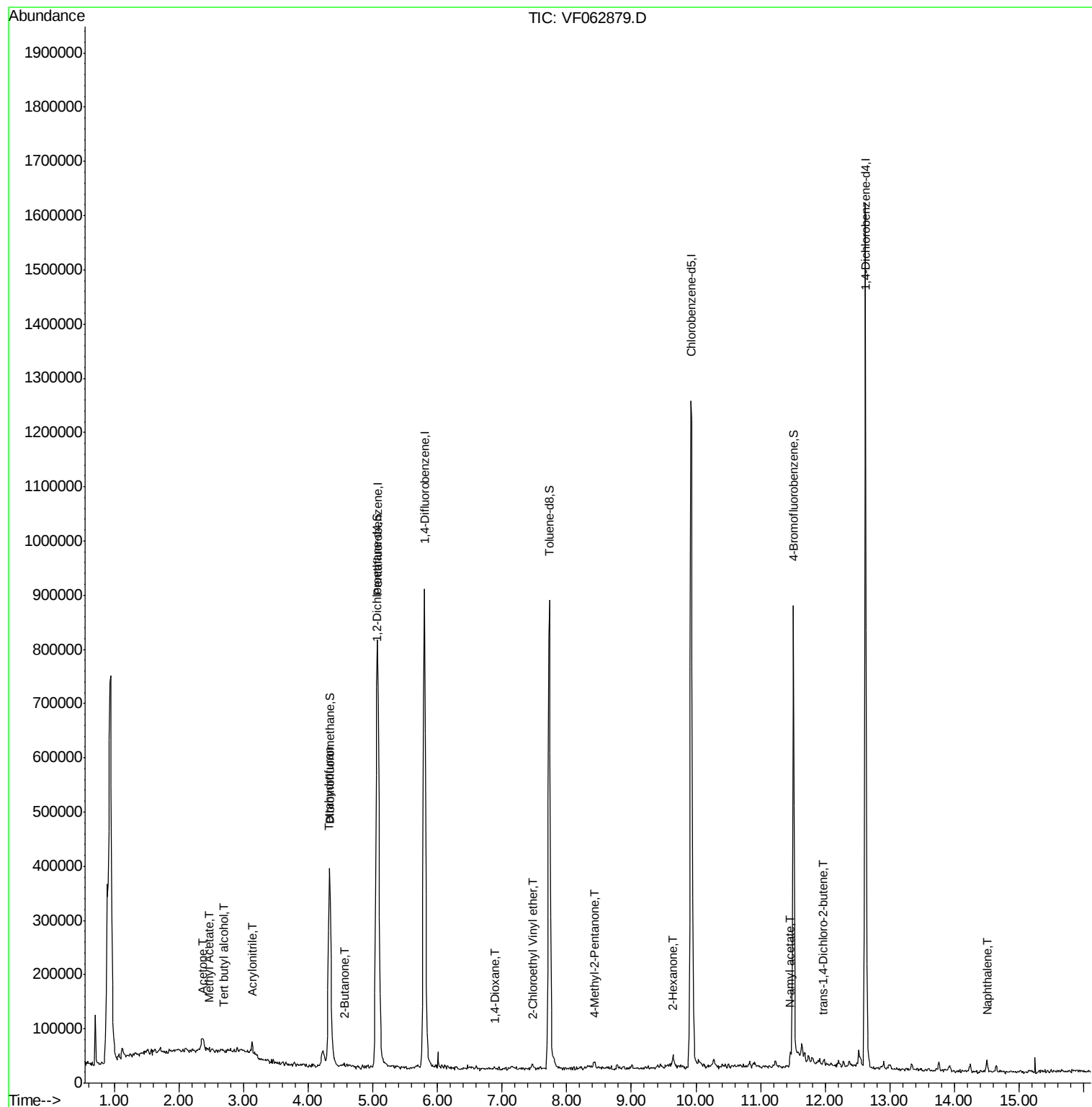
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	1506	Below Cal	#	39
11) Tert butyl alcohol	2.71	59	1769	5.962	ug/l #	1
13) Acrolein	2.06	56	902	Below Cal		97
15) Acrylonitrile	3.13	53	4263	3.824	ug/l #	47
16) Acetone	2.36	43	29977	26.741	ug/l	98
18) Methyl Acetate	2.48	43	3152	1.609	ug/l	98
20) Methylene Chloride	2.34	84	10011	Below Cal	#	70
25) 2-Butanone	4.55	43	3893	1.491	ug/l #	88
29) Tetrahydrofuran	4.31	42	4157	4.163	ug/l	91
49) 1,4-Dioxane	6.90	88	128	3.423	ug/l #	41
51) 4-Methyl-2-Pentanone	8.42	43	14995	3.816	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.47	63	3472	1.814	ug/l #	73
59) 2-Hexanone	9.65	43	22416	8.003	ug/l	95
74) N-amyl acetate	11.46	43	15954	1.975	ug/l #	92
81) trans-1,4-Dichloro-2-buten	11.96	75	1758	1.023	ug/l #	78
95) Naphthalene	14.51	128	16709	1.331	ug/l #	93

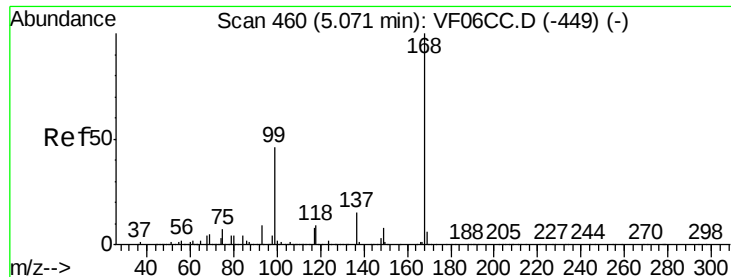
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062879.D

Acq: 6 Jun 2019 13:35

Instrument :

MSVOA_F

ClientSampleId :

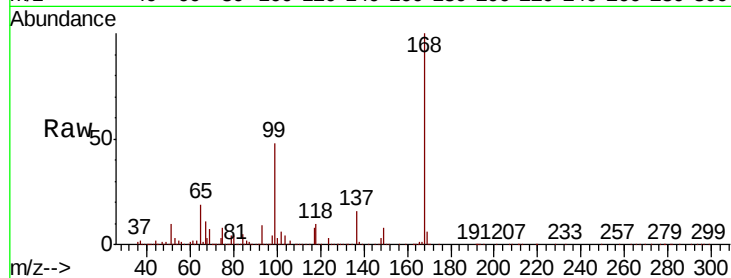
HD-02-060519

Tot Ion:168 Resp: 708284

Ion Ratio Lower Upper

168 100

99 48.3 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

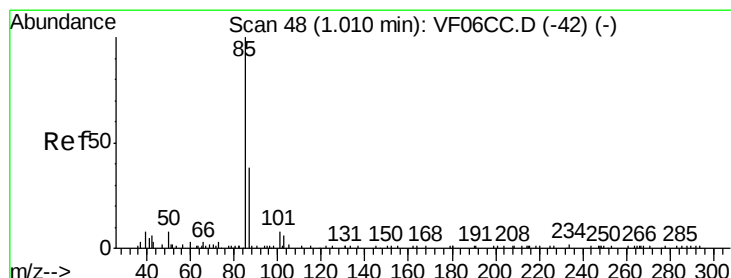
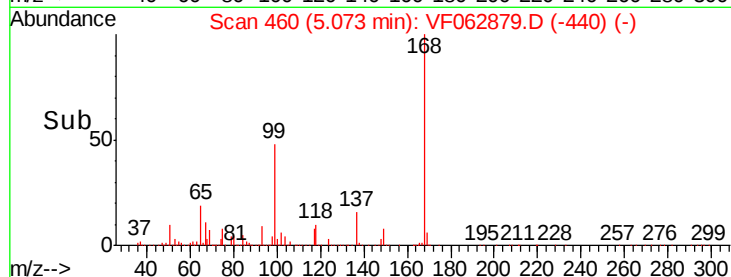
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062879.D

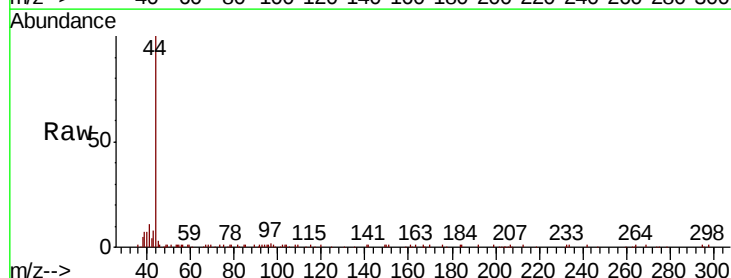
Acq: 6 Jun 2019 13:35

Tgt Ion: 85 Resp: 1506

Ion Ratio Lower Upper

85 100

87 0.0 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

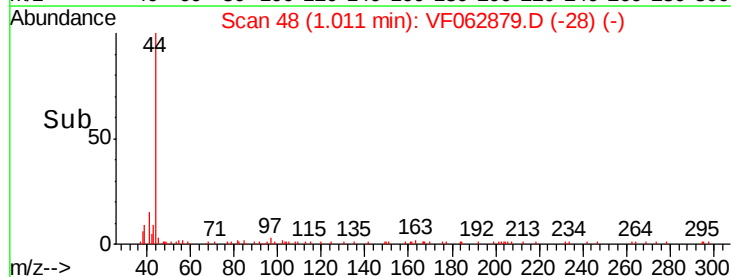
600

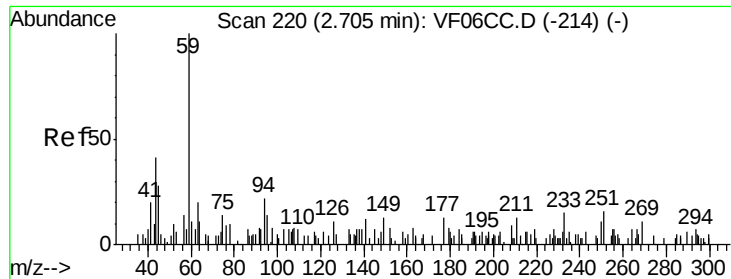
400

200

0

Time-->

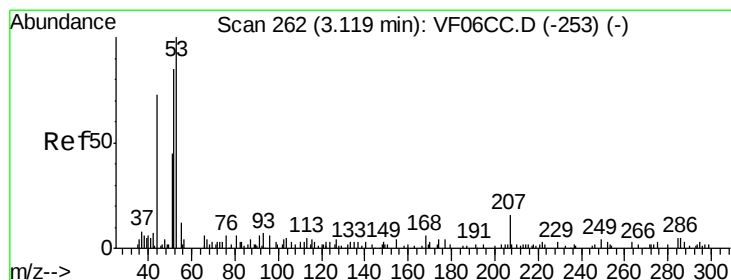
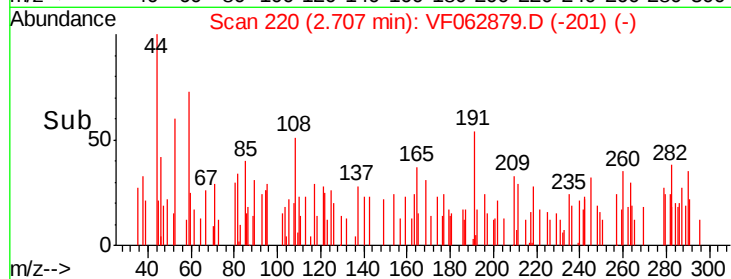
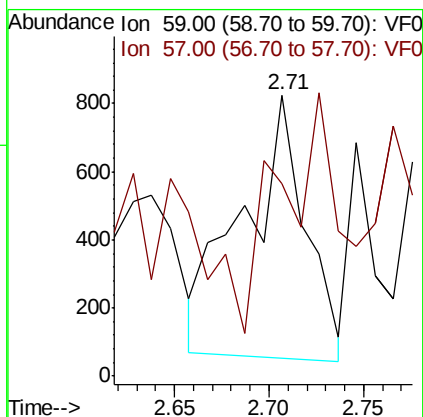
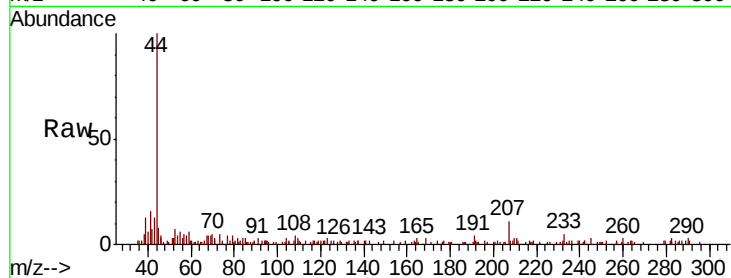




#11
Tert butyl alcohol
Concen: 5.962 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

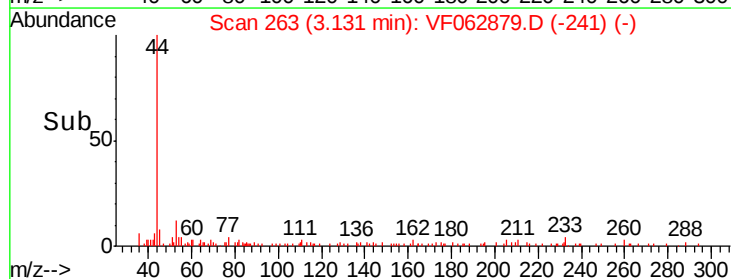
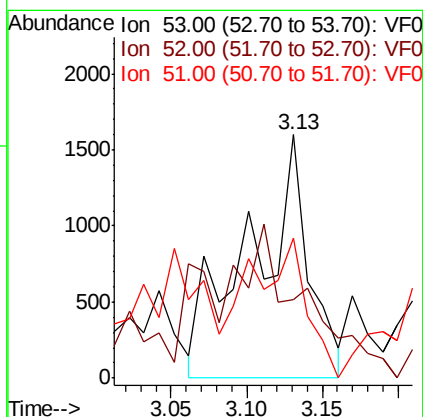
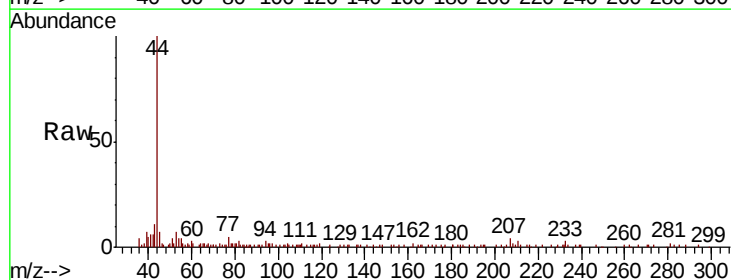
Instrument :
MSVOA_F
ClientSampleId :
HD-02-060519

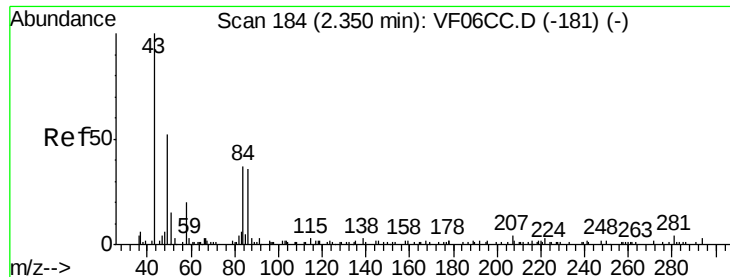
Tot Ion: 59 Resp: 1769
Ion Ratio Lower Upper
59 100
57 68.4 9.2 13.8#



#15
Acrylonitrile
Concen: 3.824 ug/l
RT: 3.13 min Scan# 263
Delta R.T. 0.02 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

Tgt Ion: 53 Resp: 4263
Ion Ratio Lower Upper
53 100
52 32.2 68.1 102.1#
51 57.4 27.7 41.5#





#16

Acetone

Concen: 26.741 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062879.D

Acq: 6 Jun 2019 13:35

Instrument :

MSVOA_F

ClientSampleId :

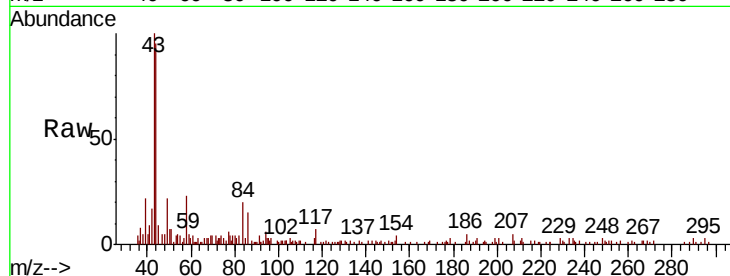
HD-02-060519

Tot Ion: 43 Resp: 29977

Ion Ratio Lower Upper

43 100

58 22.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

12000

10000

8000

6000

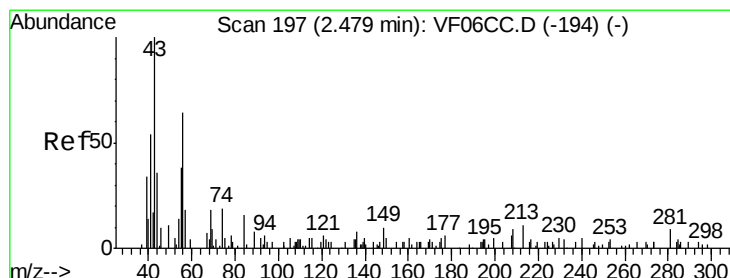
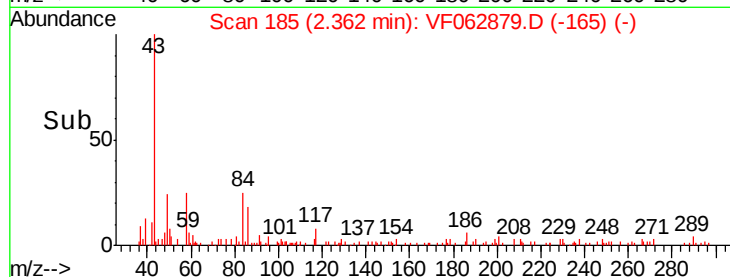
4000

2000

0

2.30 2.35 2.40 2.45

Time-->



#18

Methyl Acetate

Concen: 1.609 ug/l

RT: 2.48 min Scan# 197

Delta R.T. -0.00 min

Lab File: VF062879.D

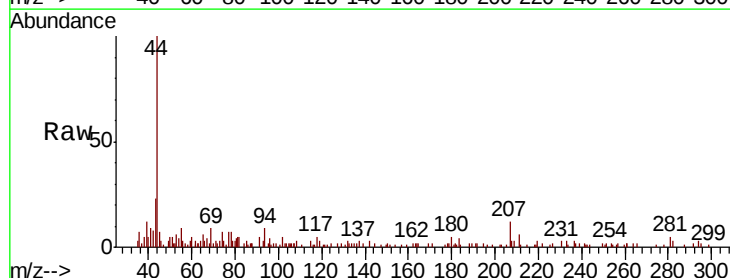
Acq: 6 Jun 2019 13:35

Tgt Ion: 43 Resp: 3152

Ion Ratio Lower Upper

43 100

74 28.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2500

2000

1500

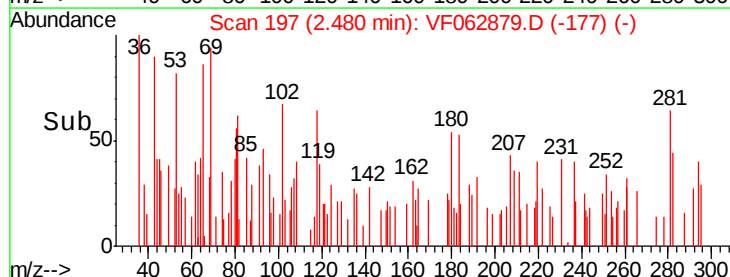
1000

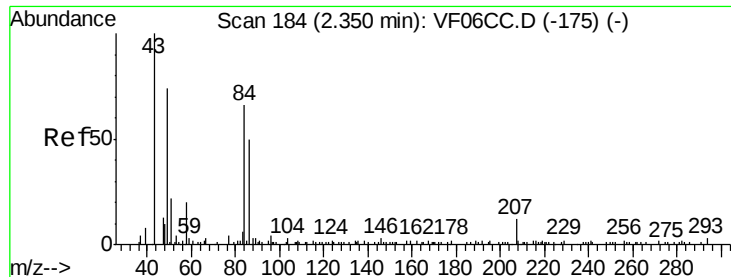
500

0

2.45 2.50 2.55

Time-->





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062879.D

Acq: 6 Jun 2019 13:35

Instrument :

MSVOA_F

ClientSampleId :

HD-02-060519

Tot Ion: 84 Resp: 10011

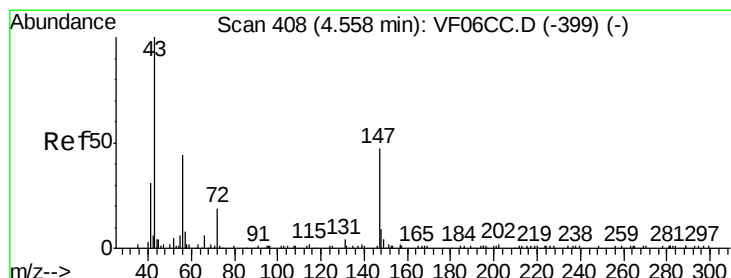
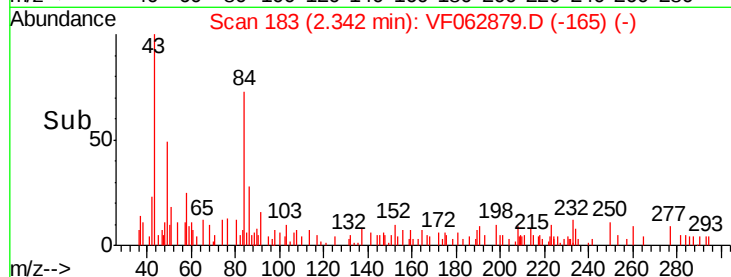
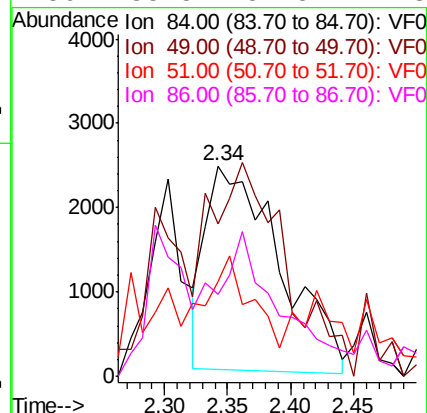
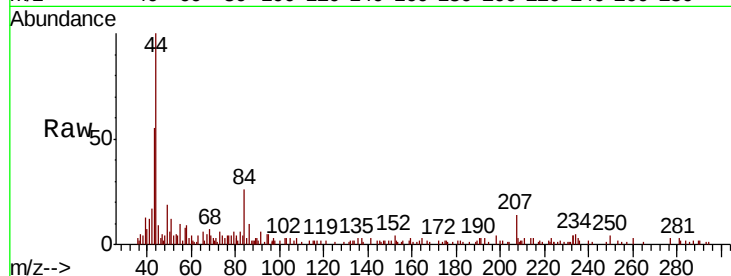
Ion Ratio Lower Upper

84 100

49 72.2 82.6 123.8#

51 44.9 25.0 37.4#

86 38.8 51.5 77.3#



#25

2-Butanone

Concen: 1.491 ug/l

RT: 4.55 min Scan# 407

Delta R.T. -0.00 min

Lab File: VF062879.D

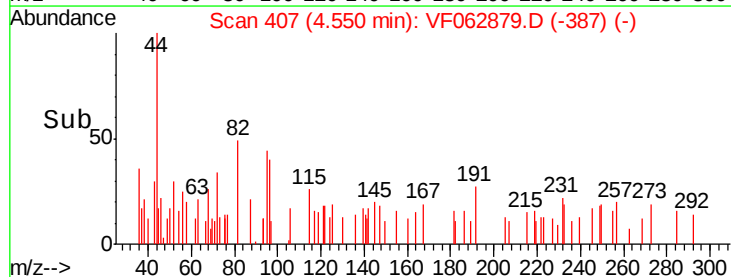
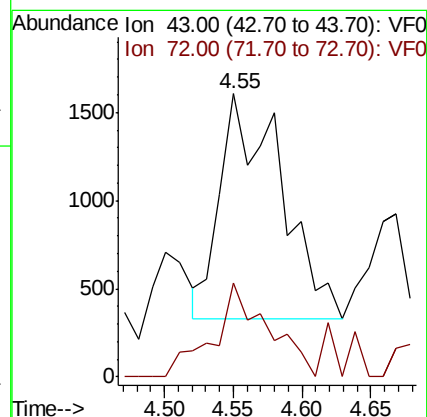
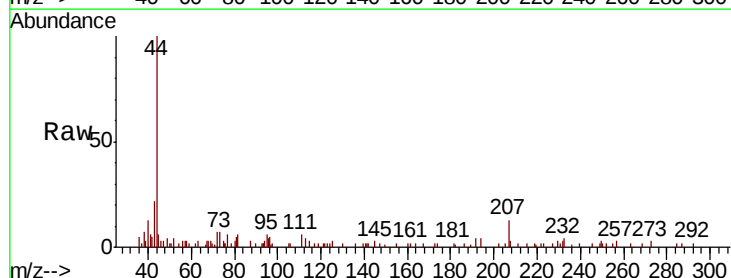
Acq: 6 Jun 2019 13:35

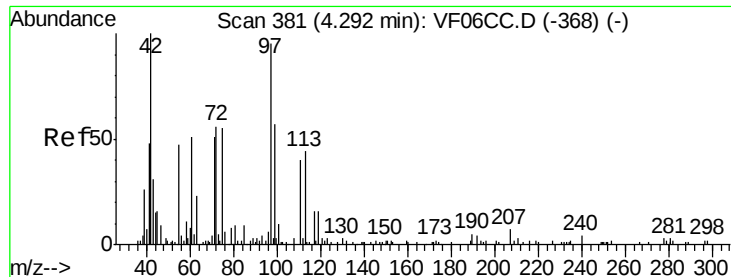
Tgt Ion: 43 Resp: 3893

Ion Ratio Lower Upper

43 100

72 33.1 21.4 32.0#

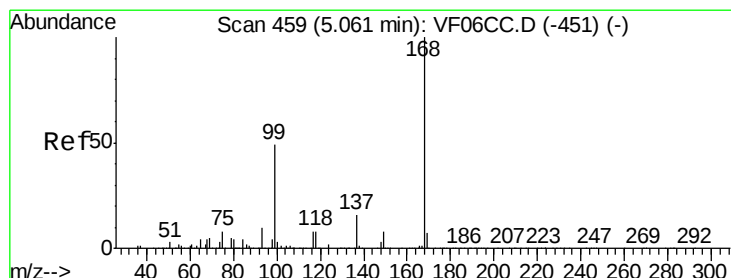
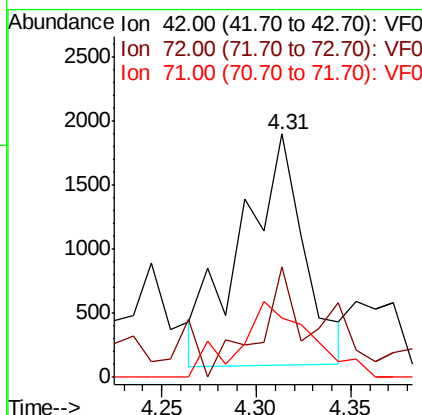
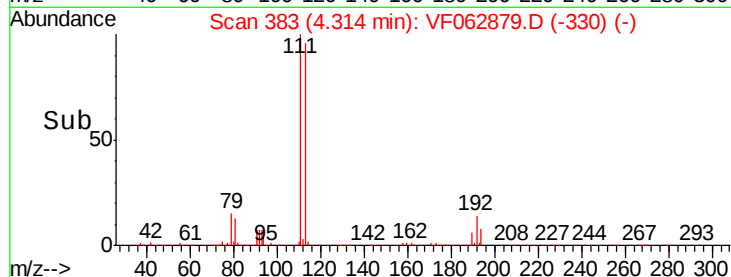
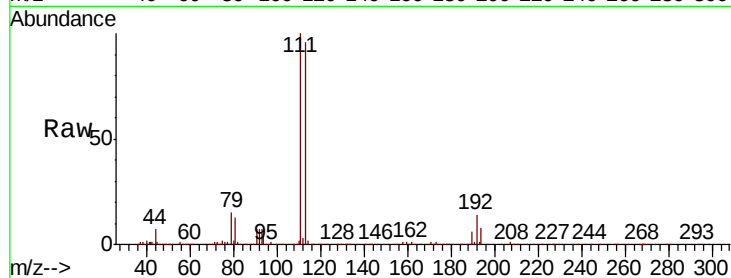




#29
Tetrahydrofuran
Concen: 4.163 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

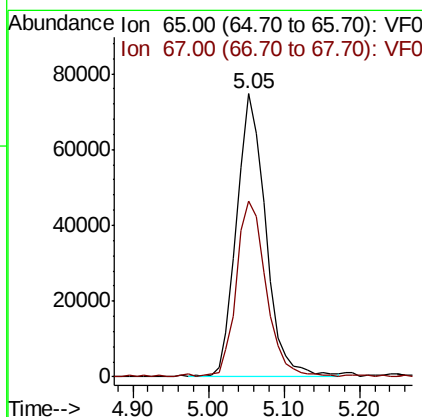
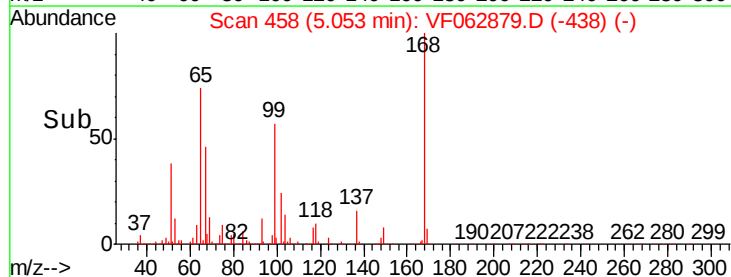
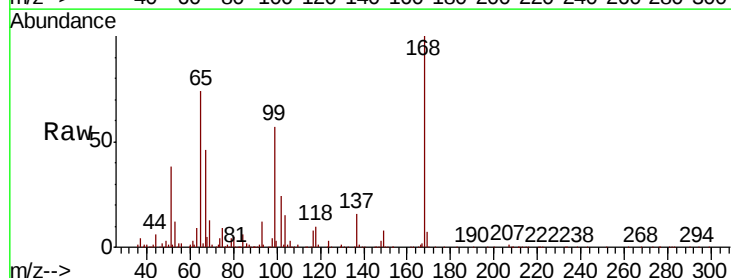
Instrument :
MSVOA_F
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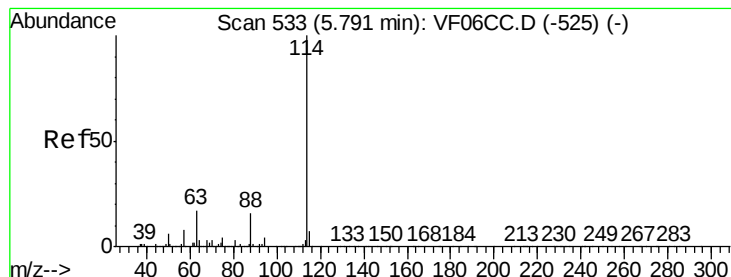
Tot Ion: 42 Resp: 4157
Ion Ratio Lower Upper
42 100
72 52.3 39.0 58.6
71 37.8 36.9 55.3



#33
1,2-Dichloroethane-d4
Concen: 40.823 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.00 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

Tgt Ion: 65 Resp: 199946
Ion Ratio Lower Upper
65 100
67 62.0 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: VF062879.D

Acq: 6 Jun 2019 13:35

Instrument :

MSVOA_F

ClientSampleId :

HD-02-060519

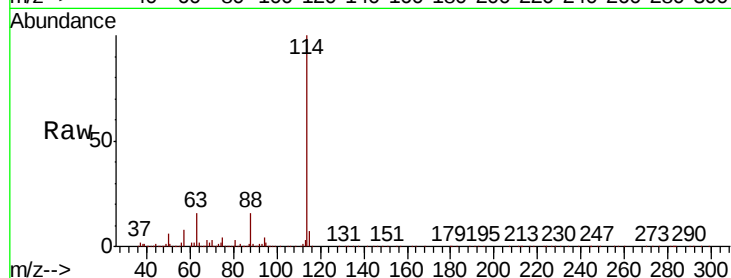
Tot Ion:114 Resp: 1184027

Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.2

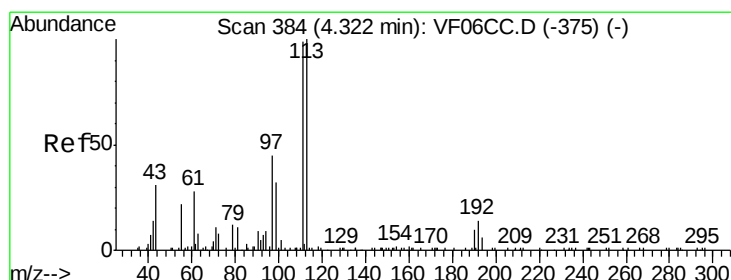
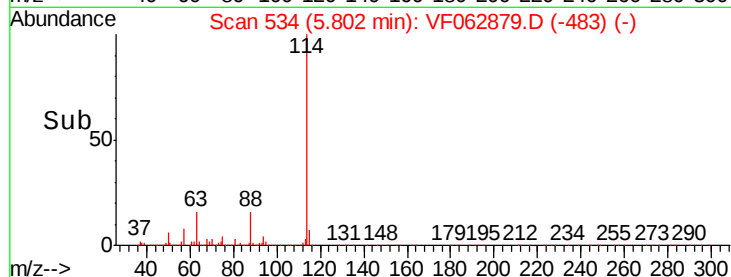
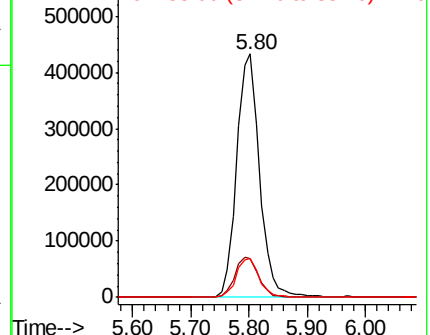
88 16.0 0.0 31.2



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: 41.747 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.00 min

Lab File: VF062879.D

Acq: 6 Jun 2019 13:35

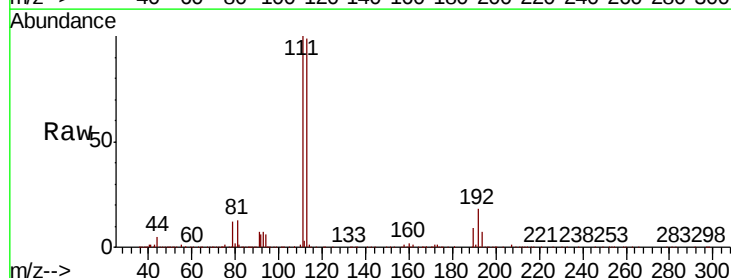
Tgt Ion:113 Resp: 373513

Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

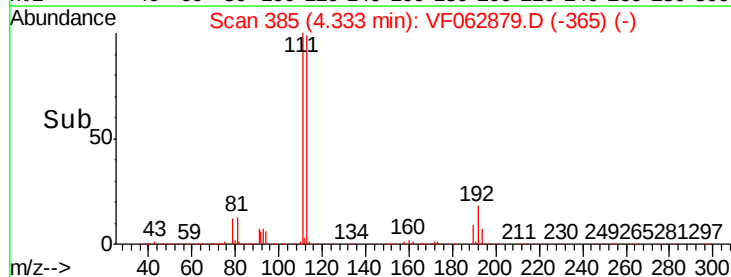
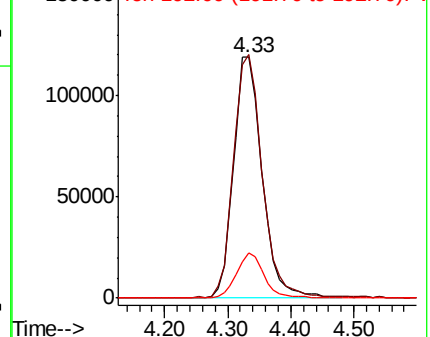
192 18.9 15.1 22.7

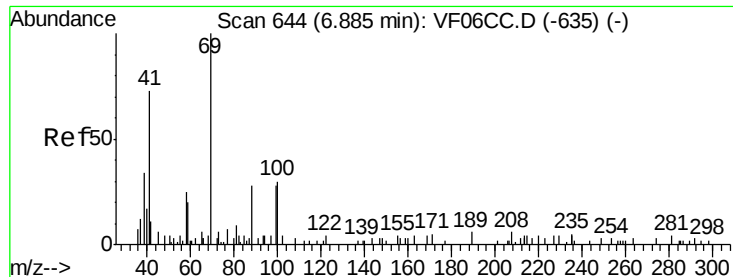


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.423 ug/l

RT: 6.90 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062879.D

Acq: 6 Jun 2019 13:35

Instrument :

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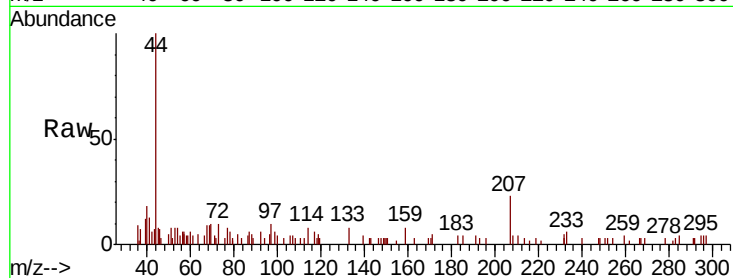
Tot Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 146.3 34.8 52.2#

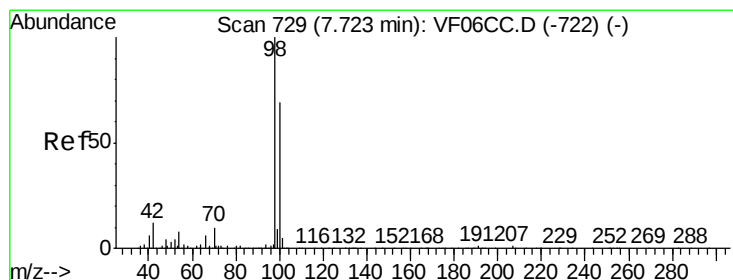
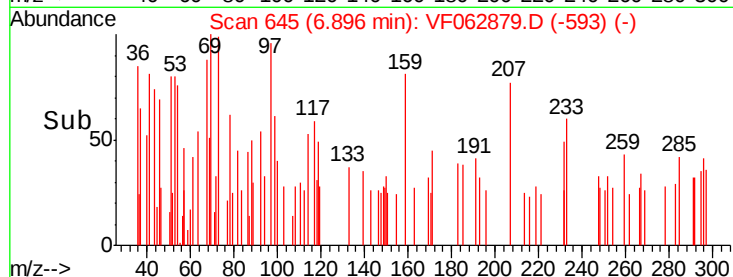
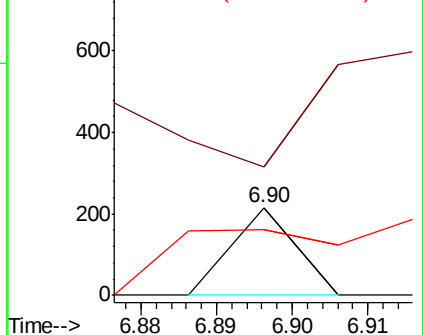
58 74.5 59.9 89.9



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 34.693 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062879.D

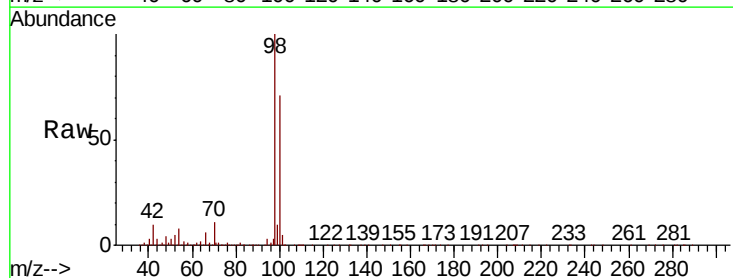
Acq: 6 Jun 2019 13:35

Tgt Ion: 98 Resp: 784937

Ion Ratio Lower Upper

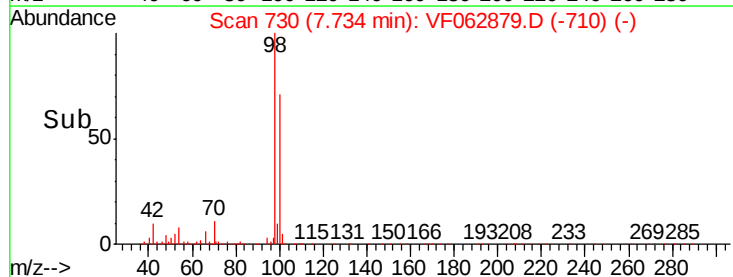
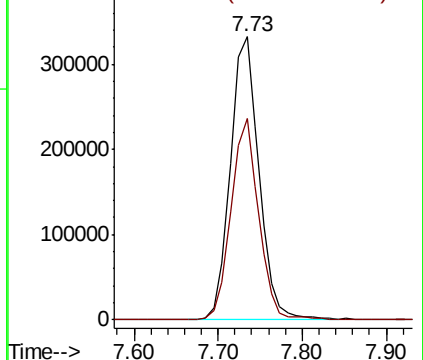
98 100

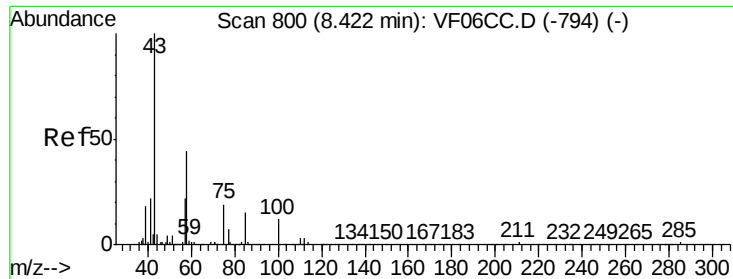
100 71.2 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

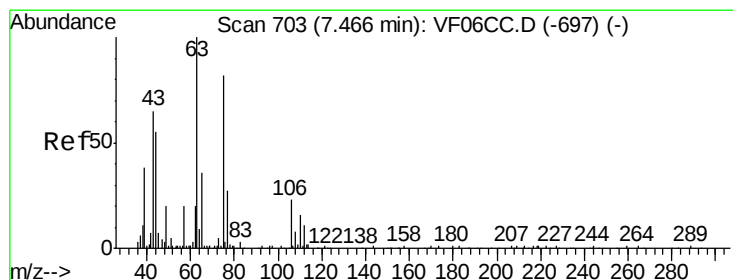
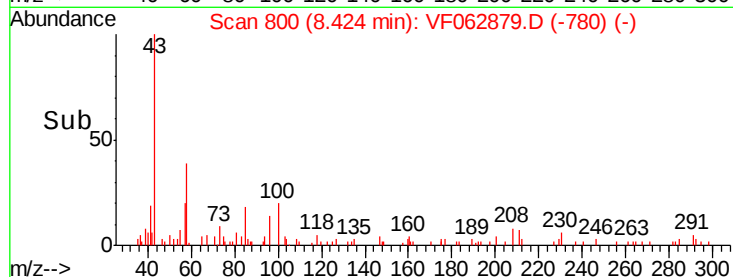
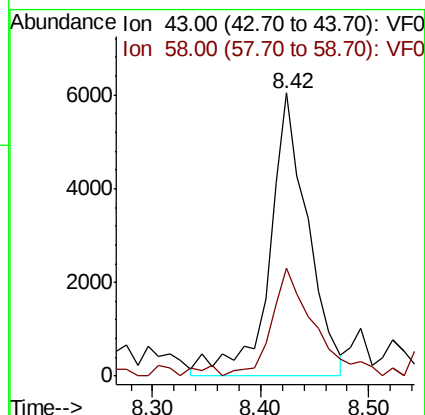
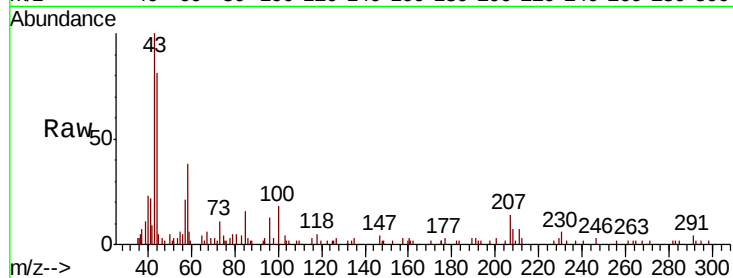




#51
4-Methyl-2-Pentanone
Concen: 3.816 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.00 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

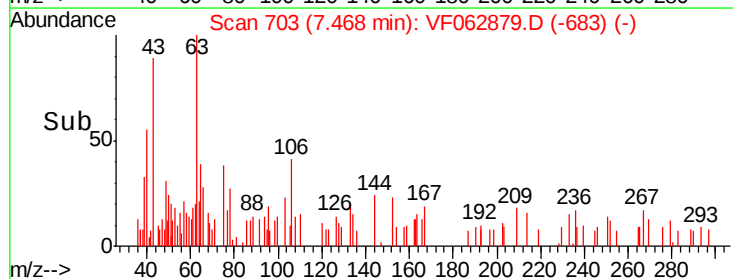
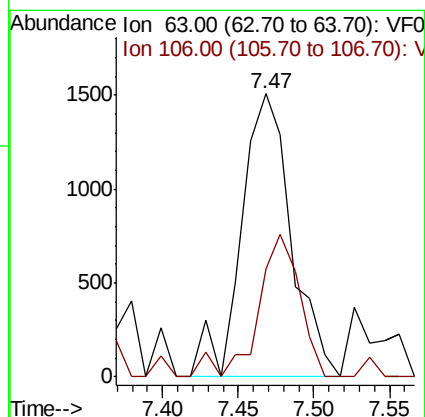
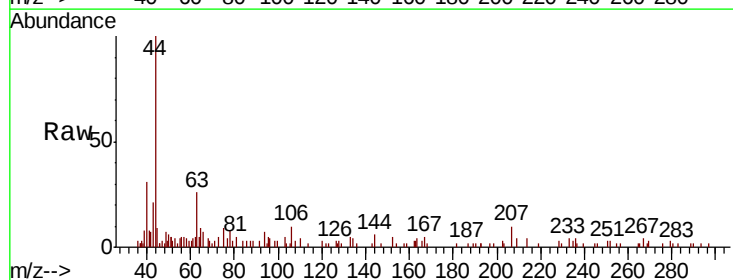
Instrument :
MSVOA_F
ClientSampleId :
HD-02-060519

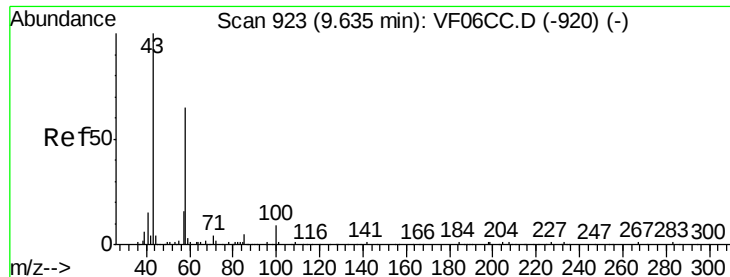
Tot Ion: 43 Resp: 14995
Ion Ratio Lower Upper
43 100
58 37.9 35.5 53.3



#58
2-Chloroethyl Vinyl ether
Concen: 1.814 ug/l
RT: 7.47 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

Tgt Ion: 63 Resp: 3472
Ion Ratio Lower Upper
63 100
106 38.0 19.5 29.3#

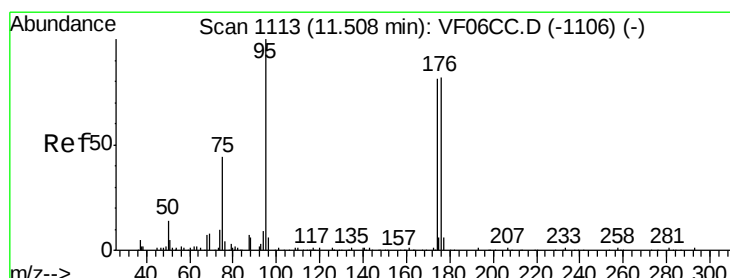
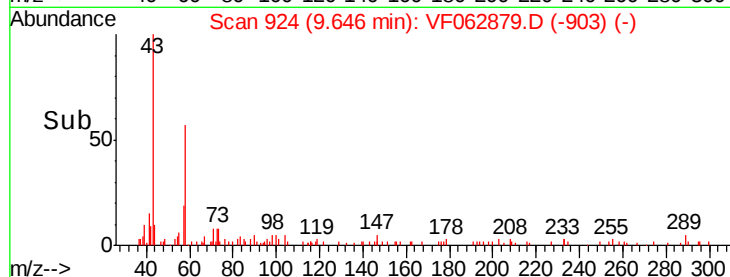
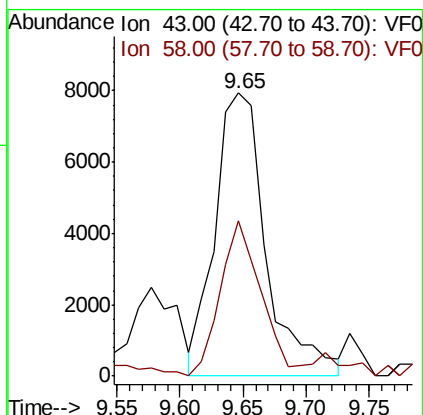
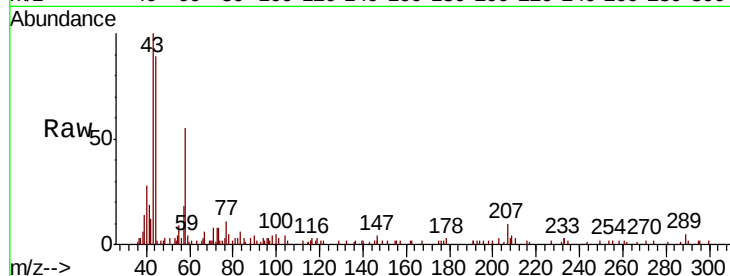




#59
2-Hexanone
Concen: 8.003 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

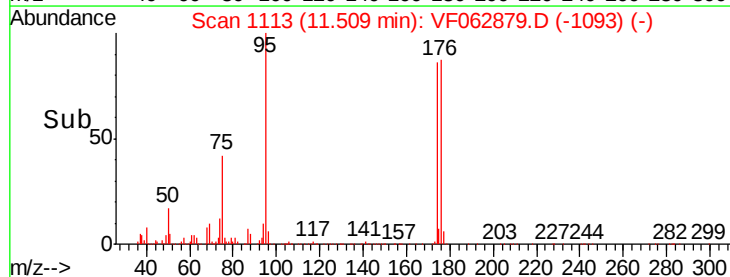
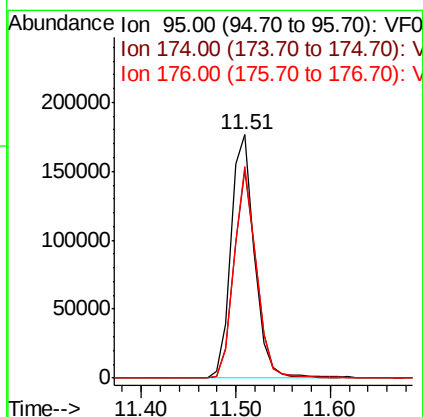
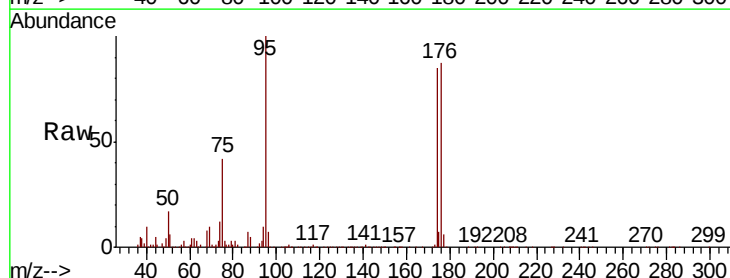
Instrument :
MSVOA_F
ClientSampleId :
HD-02-060519

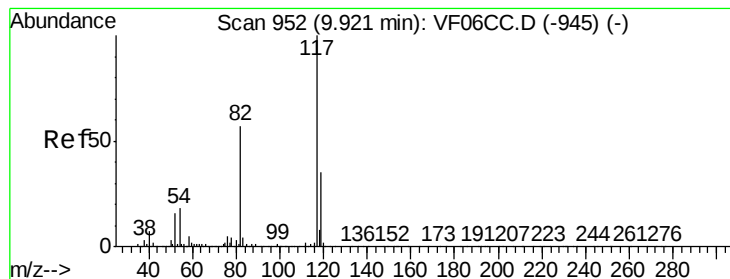
Tot Ion: 43 Resp: 22416
Ion Ratio Lower Upper
43 100
58 55.0 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 37.335 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

Tgt Ion: 95 Resp: 303853
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.6
176 87.0 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: VF062879.D

Acq: 6 Jun 2019 13:35

Instrument :

MSVOA_F

ClientSampleId :

HD-02-060519

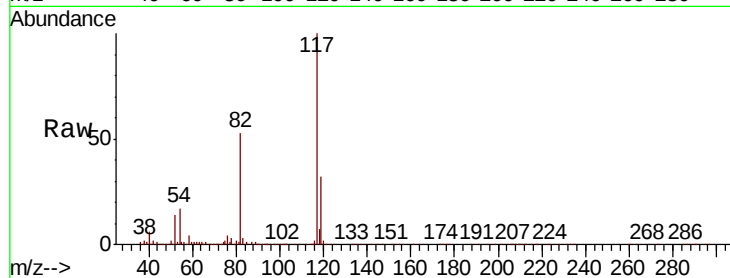
Tot Ion:117 Resp: 995109

Ion Ratio Lower Upper

117 100

82 52.8 42.4 63.6

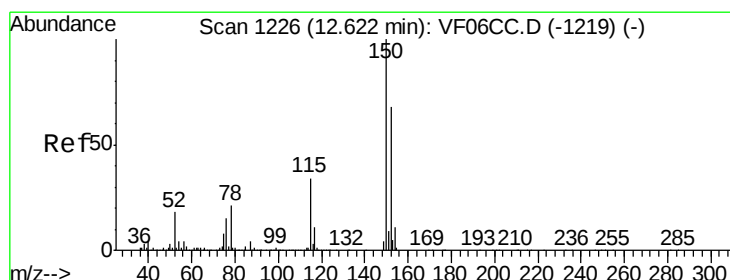
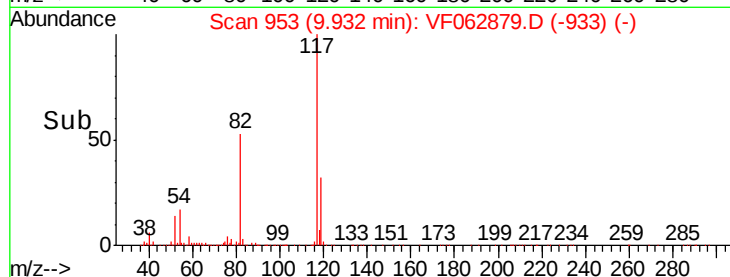
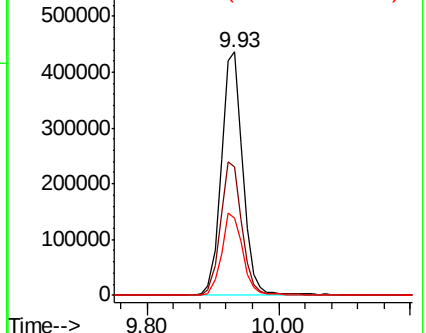
119 31.7 27.1 40.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062879.D

Acq: 6 Jun 2019 13:35

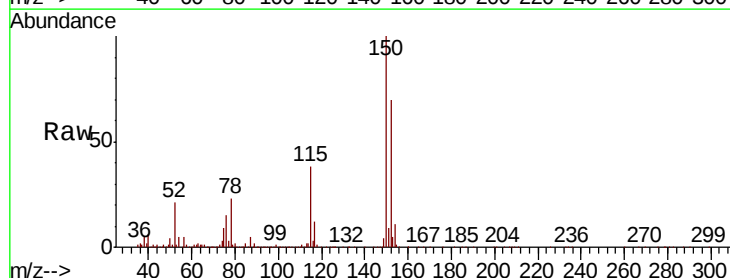
Tgt Ion:152 Resp: 410770

Ion Ratio Lower Upper

152 100

115 54.1 24.6 74.0

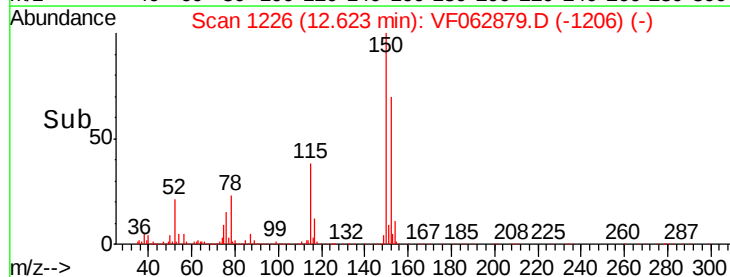
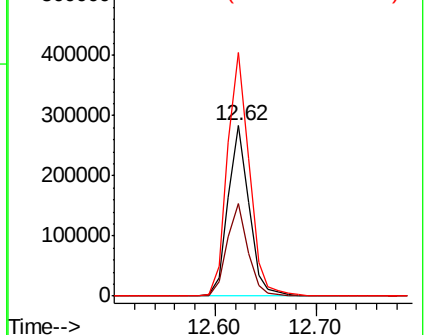
150 142.8 0.0 290.6

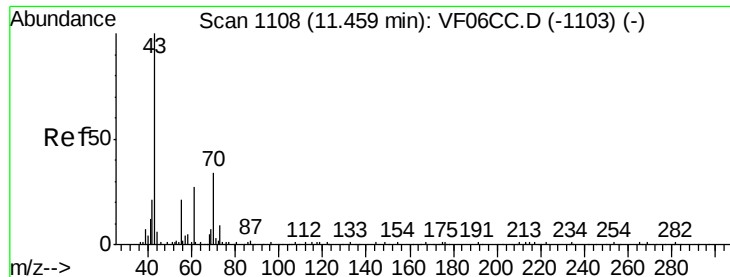


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 1.975 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062879.D

Acq: 6 Jun 2019 13:35

Instrument :

MSVOA_F

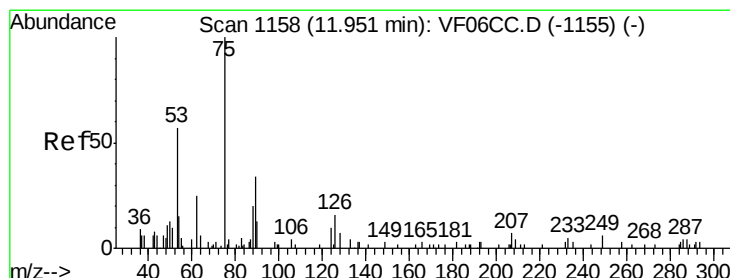
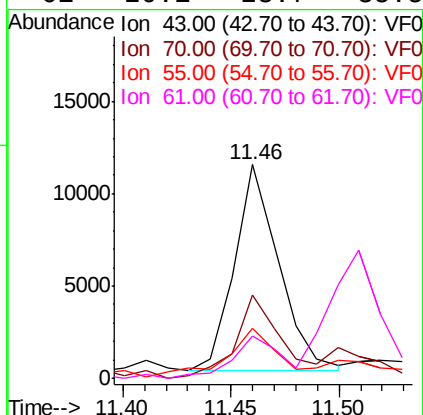
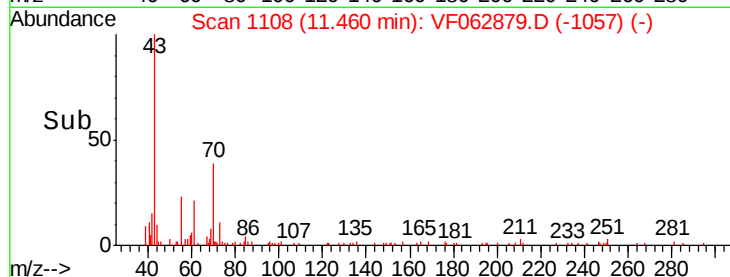
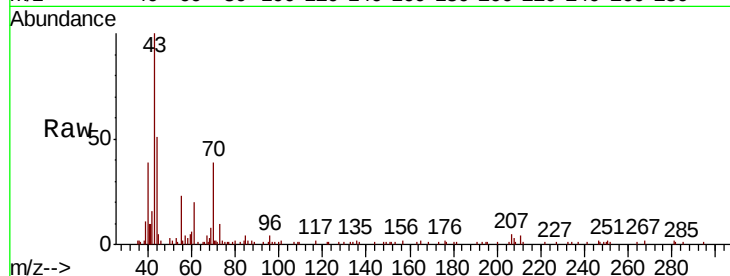
ClientSampleId :

HD-02-060519

Tot Ion: 43 Resp: 15954

Ion Ratio Lower Upper

43	100		
70	38.8	32.9	49.3
55	23.2	17.3	25.9
61	20.1	23.7	35.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 1.023 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

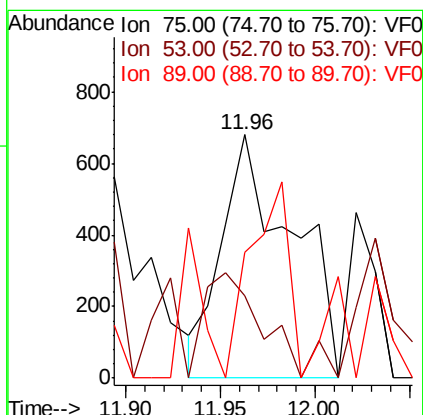
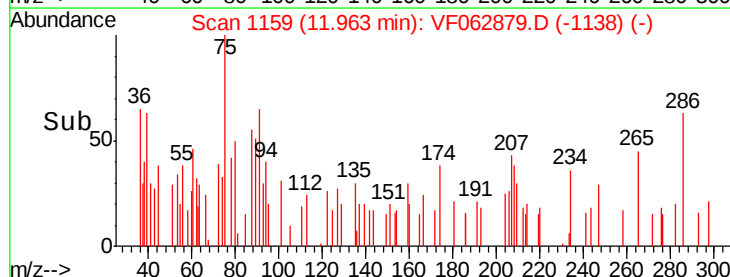
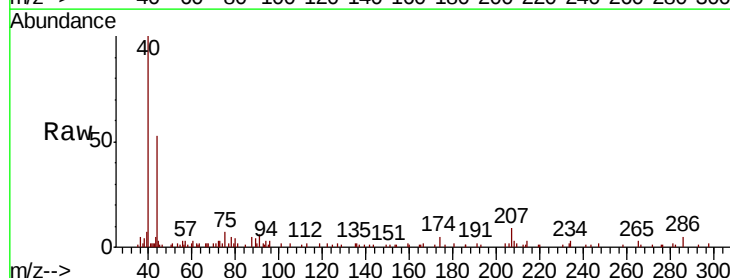
Lab File: VF062879.D

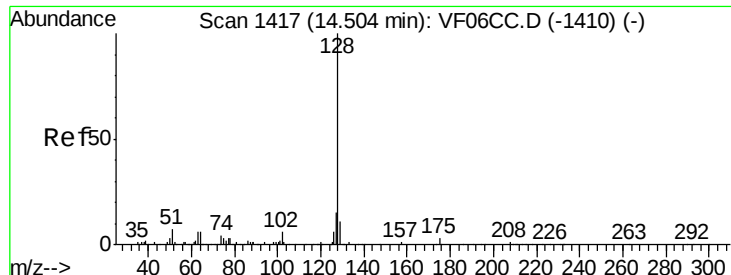
Acq: 6 Jun 2019 13:35

Tgt Ion: 75 Resp: 1758

Ion Ratio Lower Upper

75	100		
53	33.7	43.5	65.3#
89	51.5	34.3	51.5

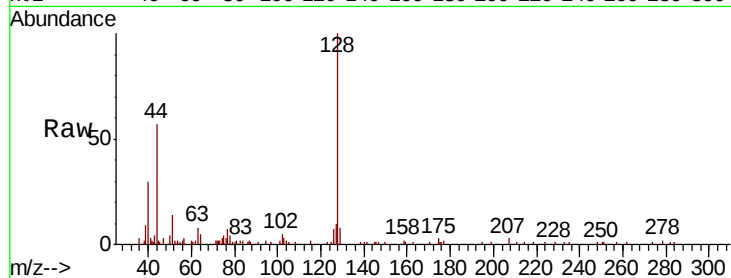




#95
Naphthalene
Concen: 1.331 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062879.D
Acq: 6 Jun 2019 13:35

Instrument :
MSVOA_F
ClientSampleId :
HD-02-060519

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.4	9.7	14.5
129	7.7	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

