

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062889.D
 Acq On : 6 Jun 2019 18:19
 Operator : FY/SY
 Sample : K3160-05
 Misc : 5.76g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-060619-C

Quant Time: Jun 07 01:26:33 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	819980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1459817	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1018322	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	360524	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	242578	42.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.56%	
35) Dibromofluoromethane	4.32	113	457444	41.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.94%	
50) Toluene-d8	7.72	98	899775	32.26	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	64.52%	
62) 4-Bromofluorobenzene	11.51	95	321741	32.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.12%	

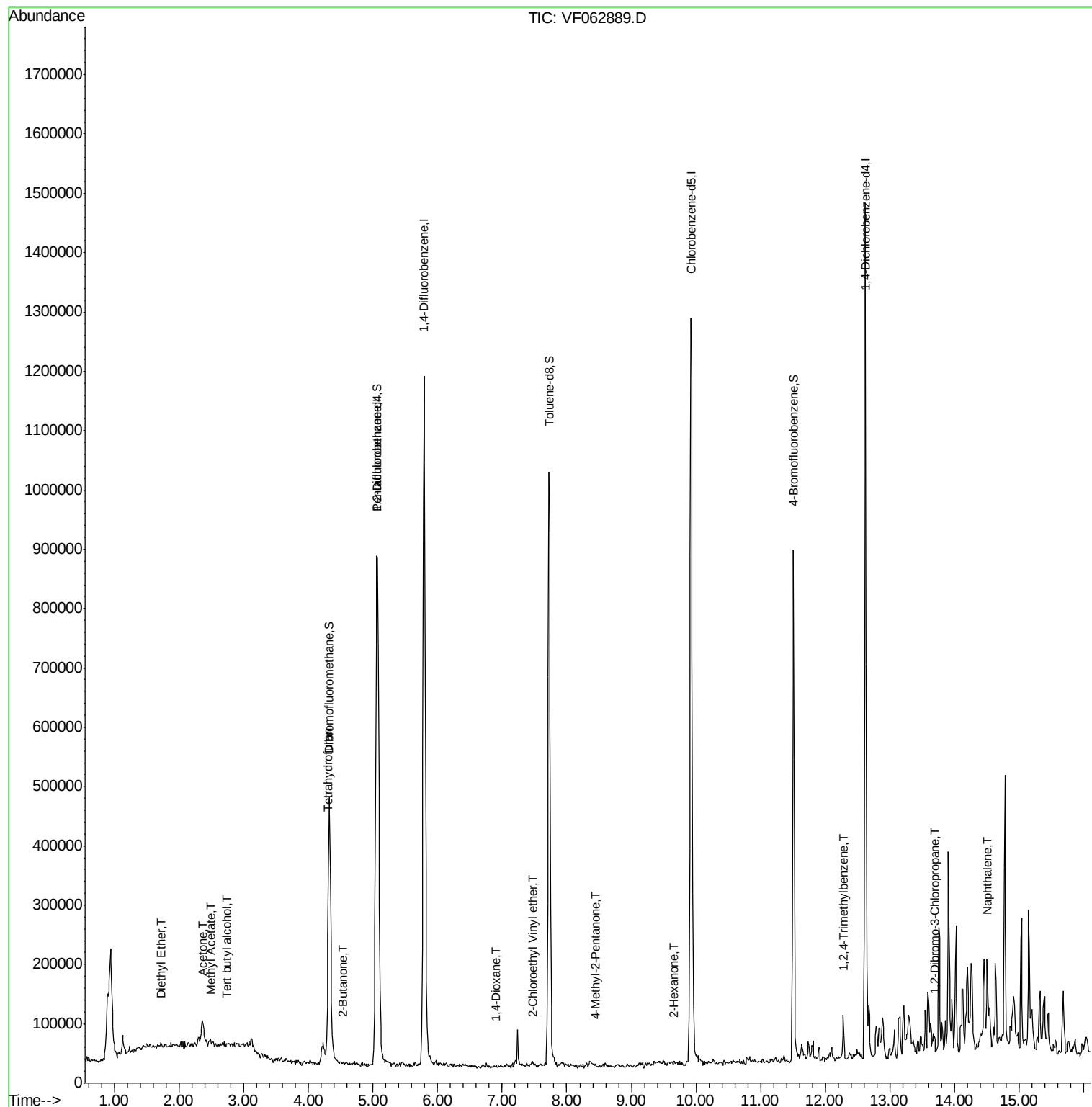
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	380	Below Cal	#	45
8) Diethyl Ether	1.71	74	3114	1.326	ug/l	69
11) Tert butyl alcohol	2.73	59	1097	3.194	ug/l #	2
16) Acetone	2.36	43	45224	34.847	ug/l	99
18) Methyl Acetate	2.48	43	7908	3.487	ug/l #	77
25) 2-Butanone	4.55	43	3761	1.244	ug/l #	82
29) Tetrahydrofuran	4.30	42	1487	1.286	ug/l	93
49) 1,4-Dioxane	6.90	88	292	6.334	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	5105	1.054	ug/l	87
58) 2-Chloroethyl Vinyl ether	7.47	63	4627	1.961	ug/l	99
59) 2-Hexanone	9.64	43	5916	1.713	ug/l	79
84) 1,2,4-Trimethylbenzene	12.28	105	31057	1.592	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	698	1.193	ug/l #	33
95) Naphthalene	14.50	128	30430	2.761	ug/l #	73

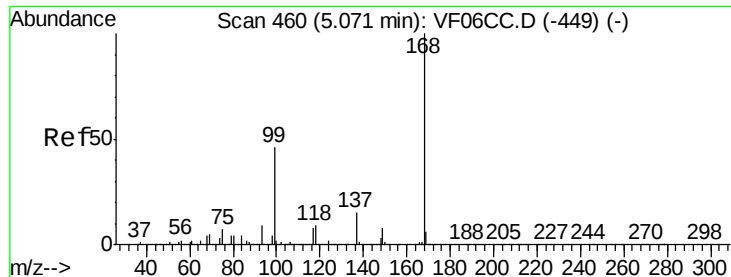
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062889.D
Acq On : 6 Jun 2019 18:19
Operator : FY/SY
Sample : K3160-05
Misc : 5.76g/5mL/MSVOA F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EO-02-060619-C

Quant Time: Jun 07 01:26:33 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: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

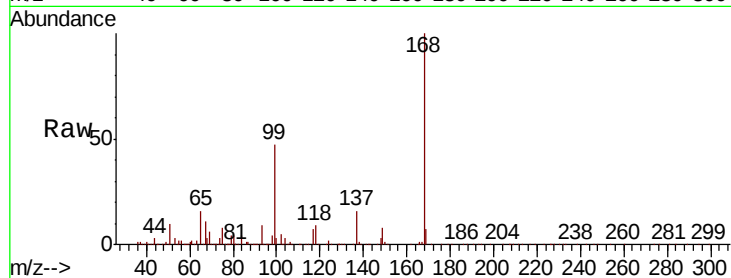
EO-02-060619-C

Tot Ion:168 Resp: 819980

Ion Ratio Lower Upper

168 100

99 47.1 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

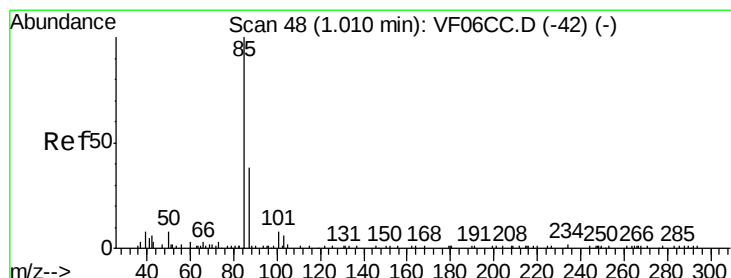
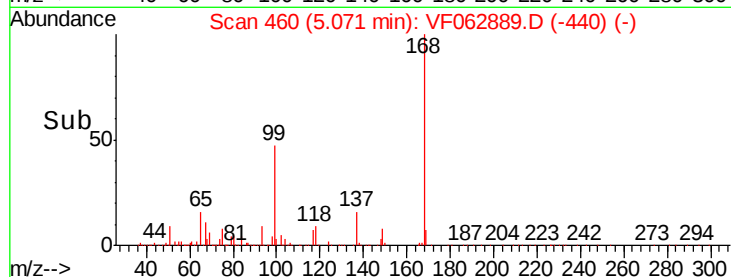
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062889.D

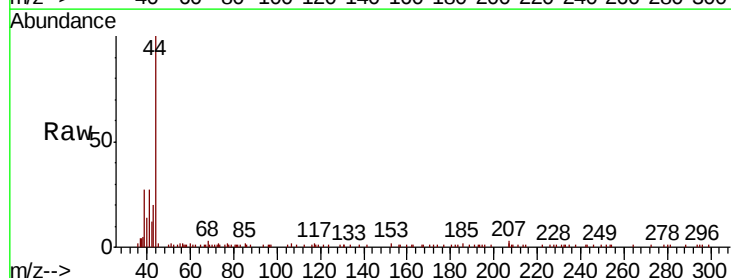
Acq: 6 Jun 2019 18:19

Tgt Ion: 85 Resp: 380

Ion Ratio Lower Upper

85 100

87 67.2 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

500

400

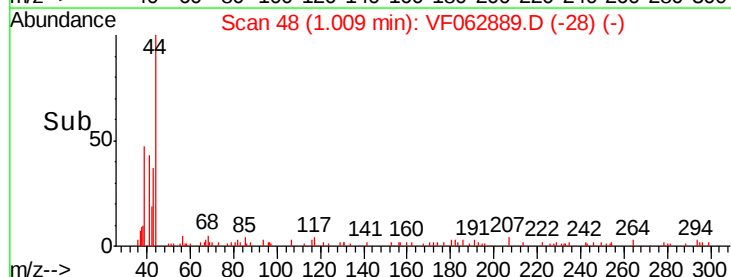
300

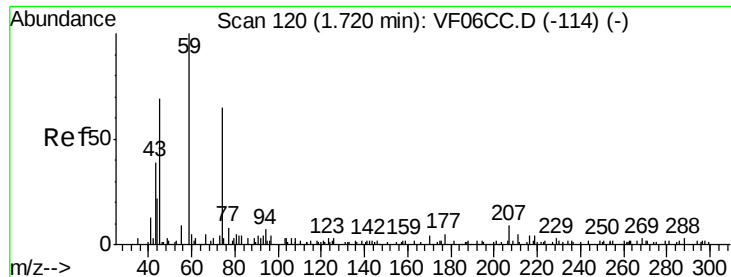
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.326 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

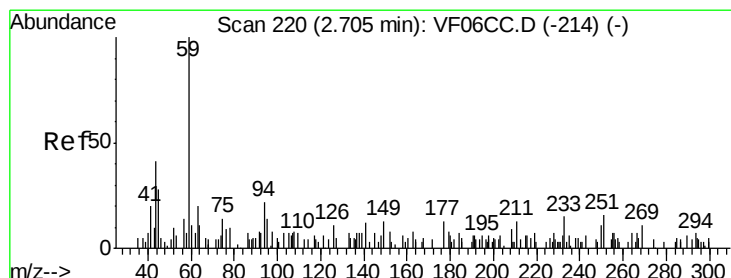
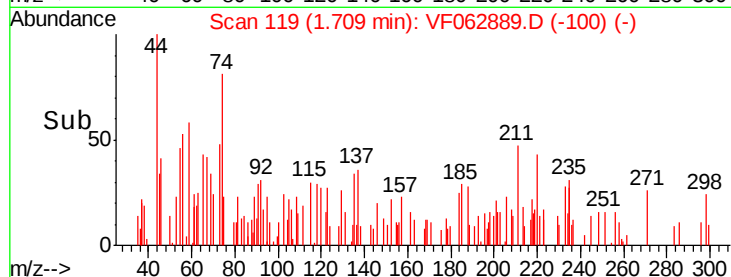
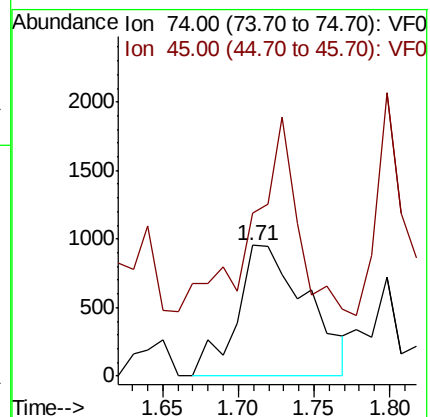
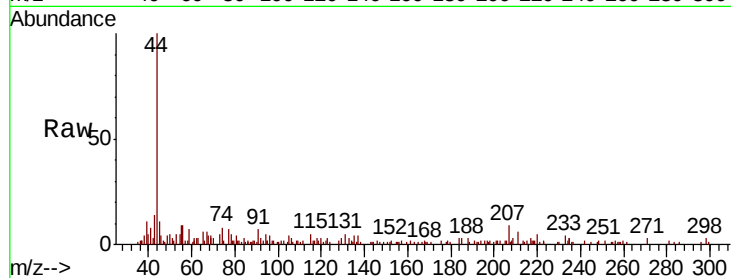
EO-02-060619-C

Tot Ion: 74 Resp: 3114

Ion Ratio Lower Upper

74 100

45 124.7 47.5 142.5



#11

Tert butyl alcohol

Concen: 3.194 ug/l

RT: 2.73 min Scan# 223

Delta R.T. 0.02 min

Lab File: VF062889.D

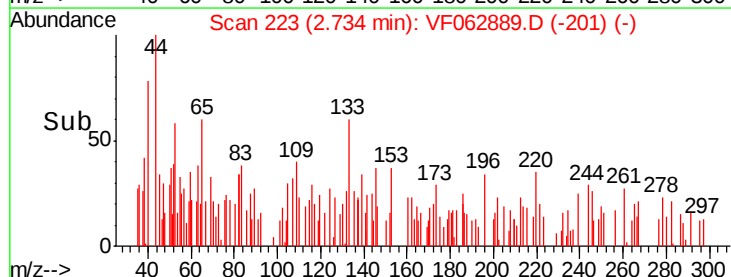
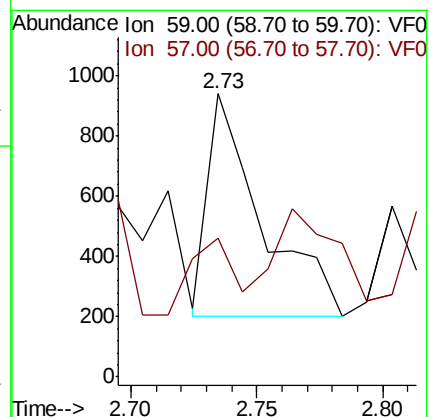
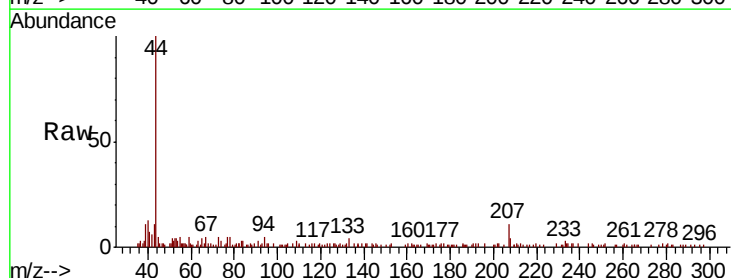
Acq: 6 Jun 2019 18:19

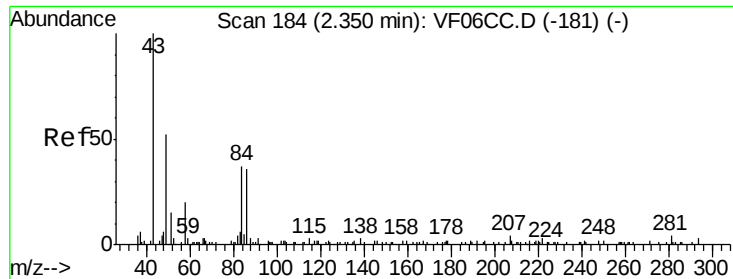
Tgt Ion: 59 Resp: 1097

Ion Ratio Lower Upper

59 100

57 49.0 9.2 13.8#

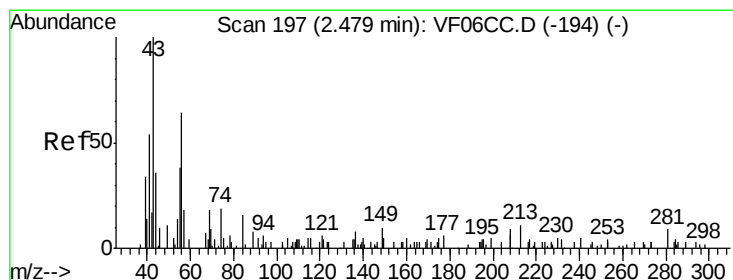
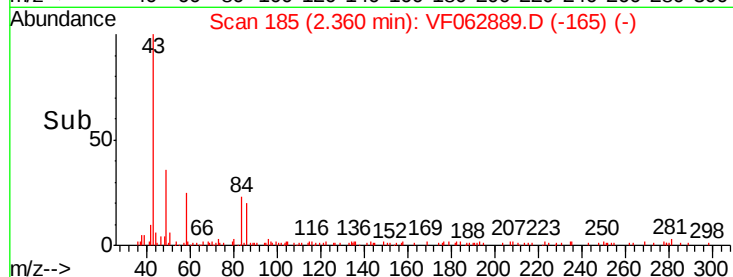
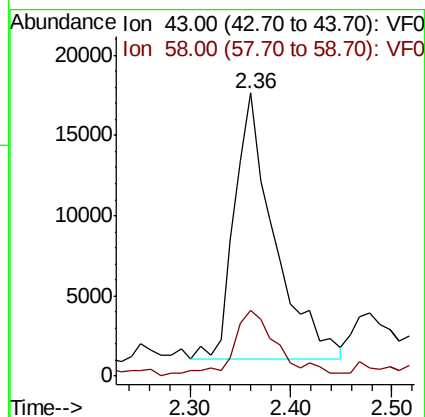
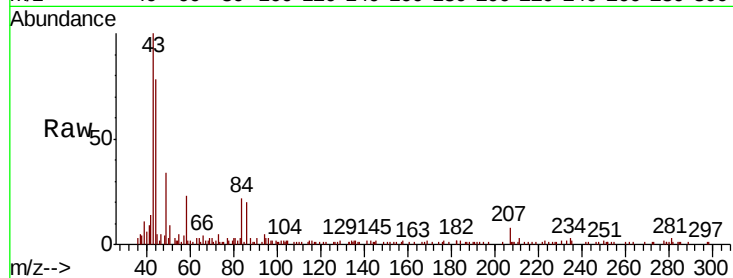




#16
Acetone
Concen: 34.847 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062889.D
Acq: 6 Jun 2019 18:19

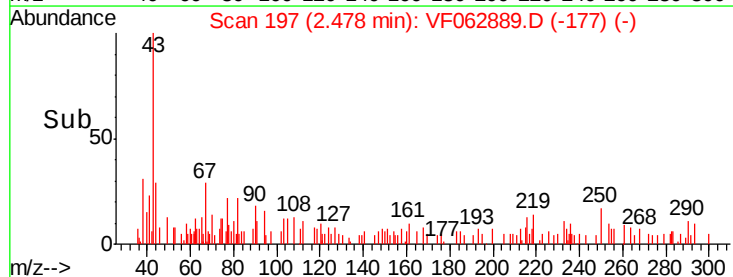
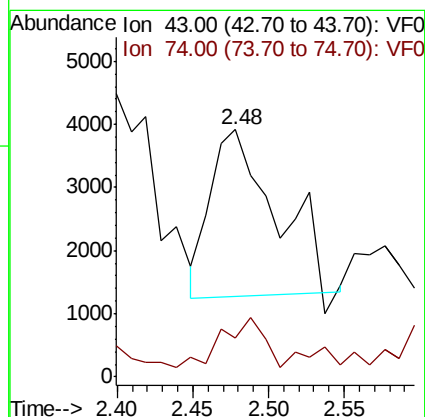
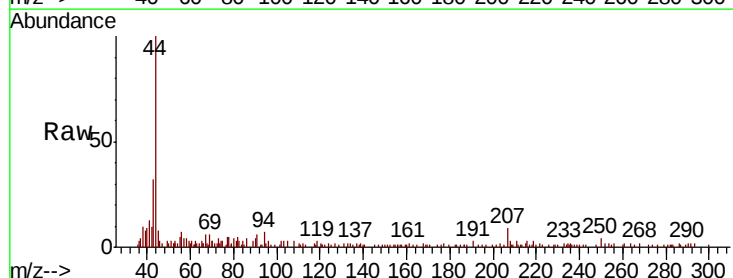
Instrument :
MSVOA_F
ClientSampleId :
EO-02-060619-C

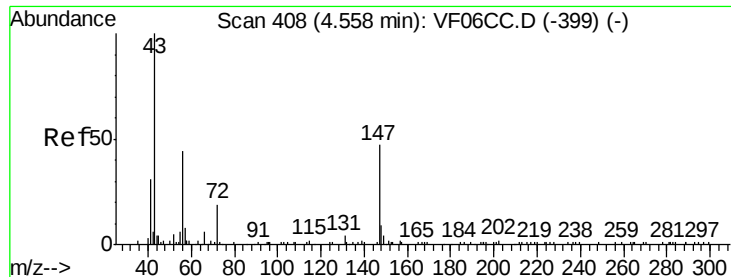
Tot Ion: 43 Resp: 45224
Ion Ratio Lower Upper
43 100
58 23.3 19.0 28.4



#18
Methyl Acetate
Concen: 3.487 ug/l
RT: 2.48 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF062889.D
Acq: 6 Jun 2019 18:19

Tgt Ion: 43 Resp: 7908
Ion Ratio Lower Upper
43 100
74 15.8 22.1 33.1#

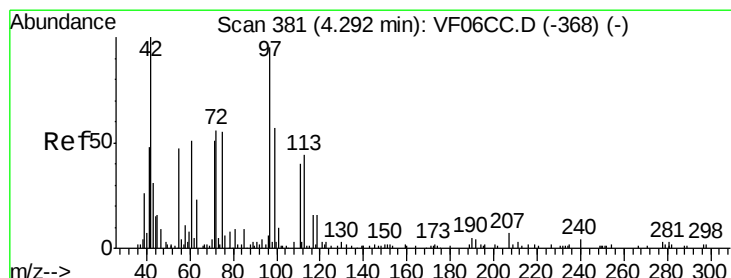
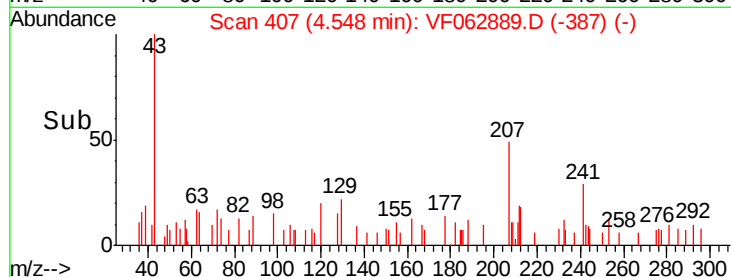
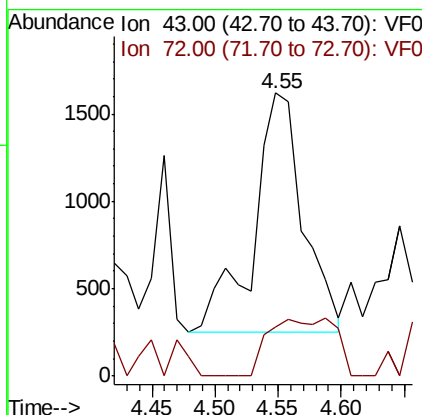
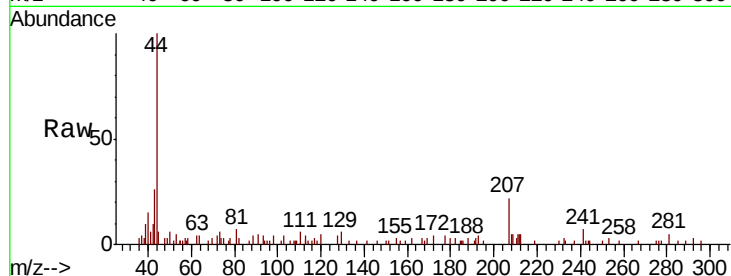




#25
2-Butanone
Concen: 1.244 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062889.D
Acq: 6 Jun 2019 18:19

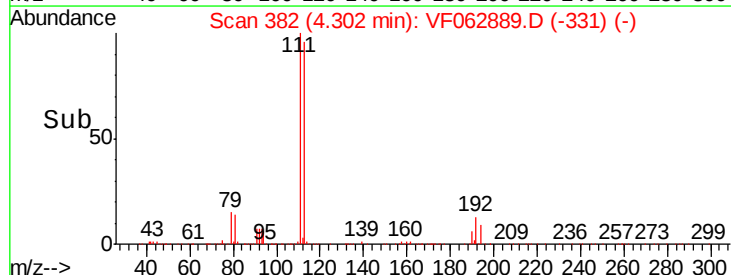
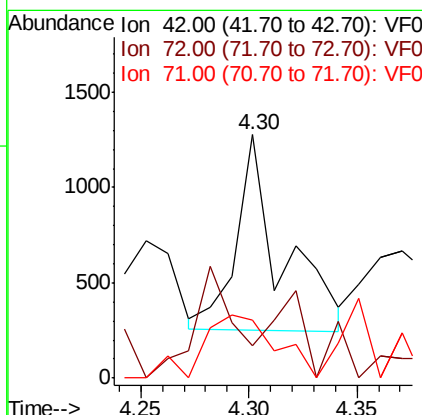
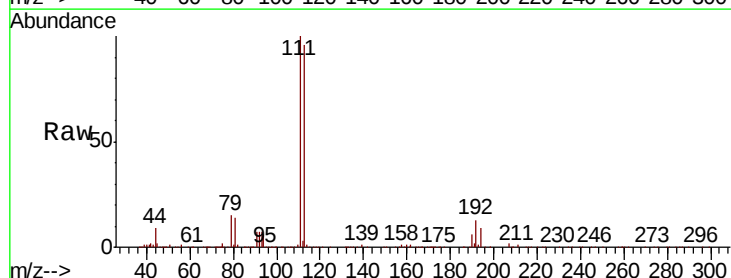
Instrument :
MSVOA_F
ClientSampleId :
EO-02-060619-C

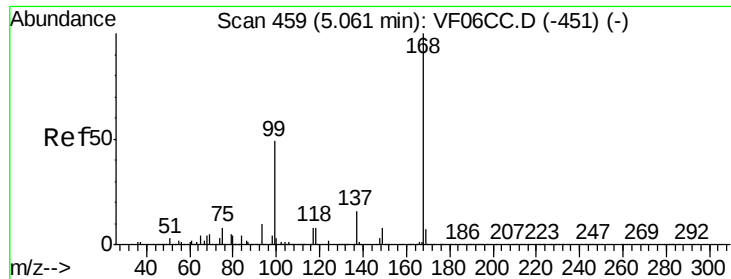
Tot Ion: 43 Resp: 3761
Ion Ratio Lower Upper
43 100
72 17.2 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.286 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062889.D
Acq: 6 Jun 2019 18:19

Tgt Ion: 42 Resp: 1487
Ion Ratio Lower Upper
42 100
72 51.5 39.0 58.6
71 53.2 36.9 55.3





#33

1,2-Dichloroethane-d4

Concen: 42.781 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

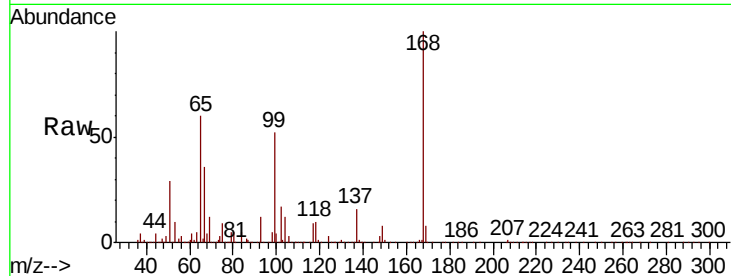
EO-02-060619-C

Tot Ion: 65 Resp: 242578

Ion Ratio Lower Upper

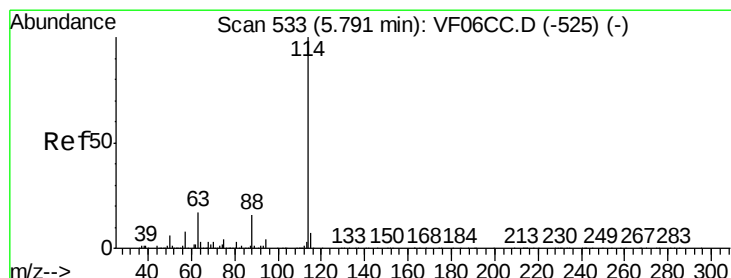
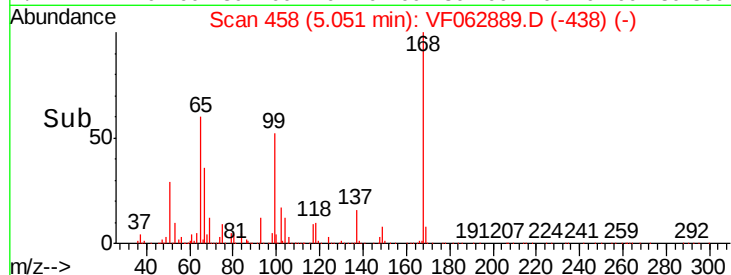
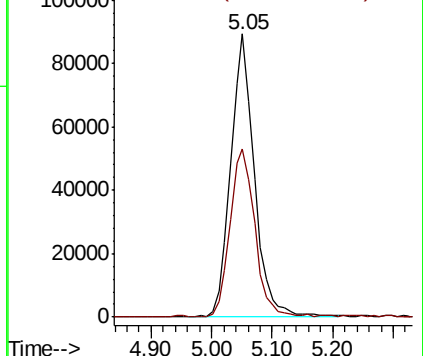
65 100

67 59.6 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: 5.79 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

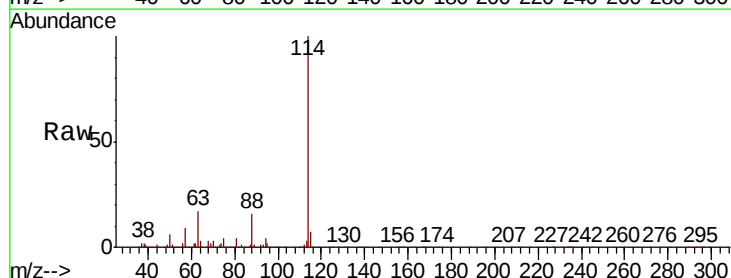
Tgt Ion: 114 Resp: 1459817

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.2

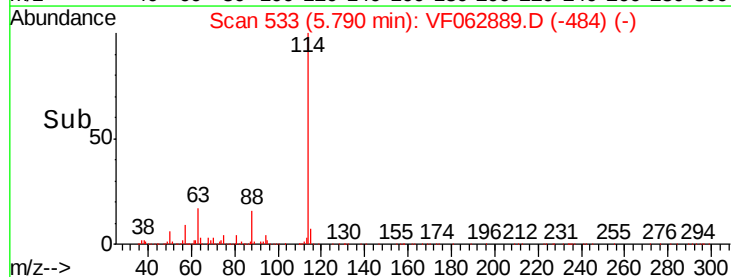
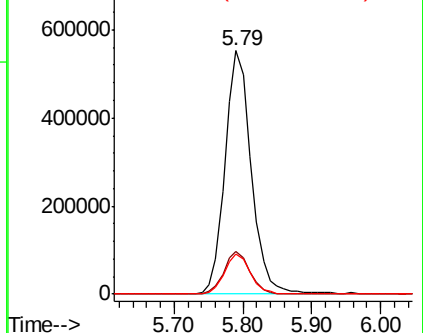
88 16.2 0.0 31.2

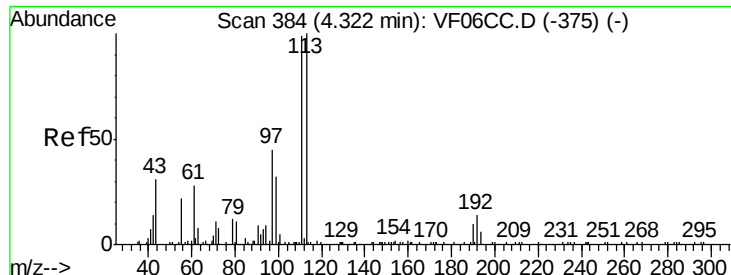


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 41.468 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

EO-02-060619-C

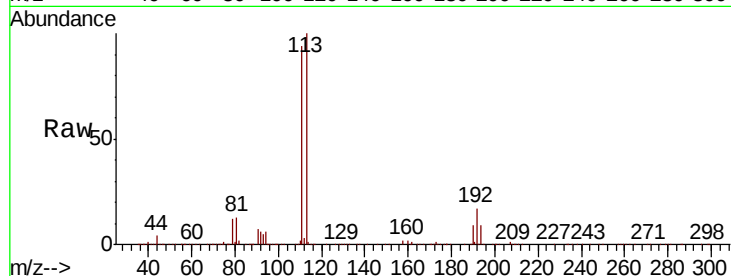
Tot Ion:113 Resp: 457444

Ion Ratio Lower Upper

113 100

111 94.3 81.9 122.9

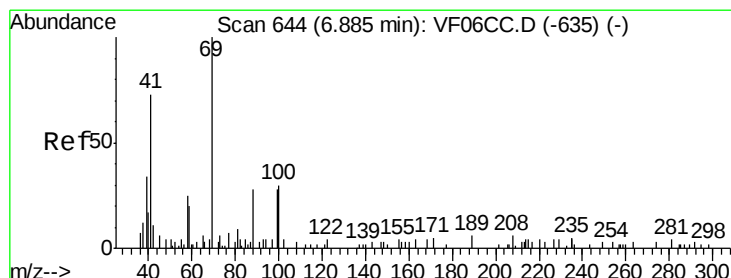
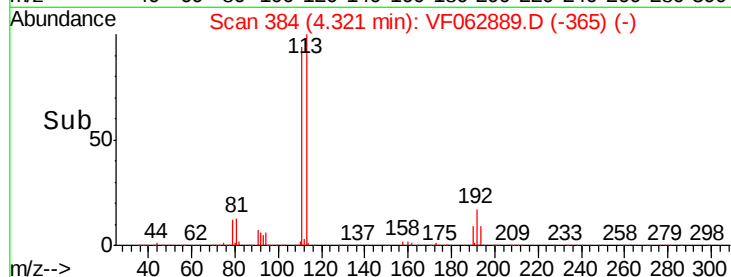
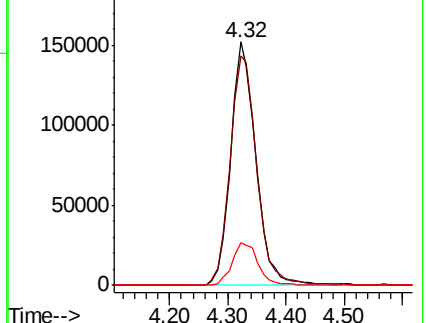
192 17.4 15.1 22.7



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: 6.334 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.02 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

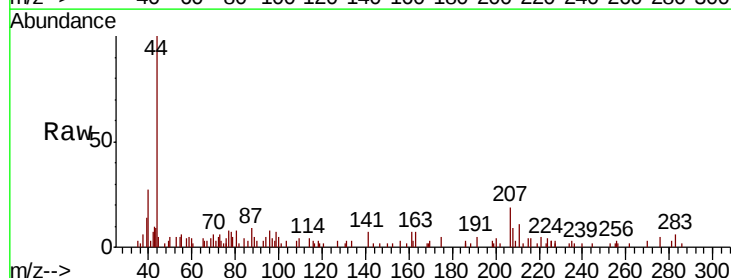
Tgt Ion: 88 Resp: 292

Ion Ratio Lower Upper

88 100

43 369.2 34.8 52.2#

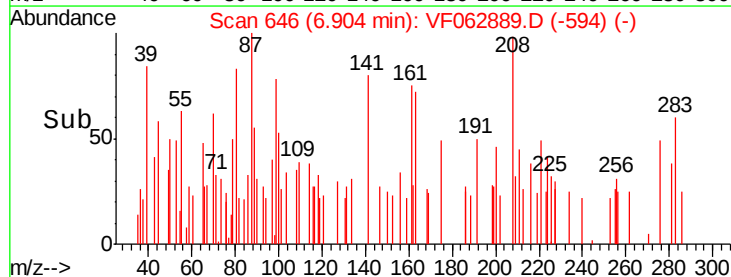
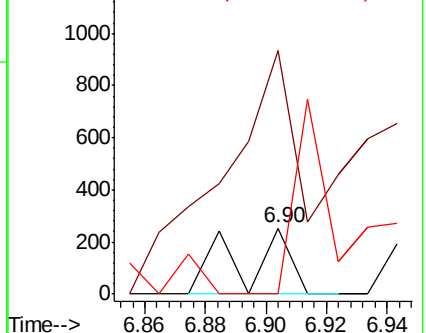
58 0.0 59.9 89.9#

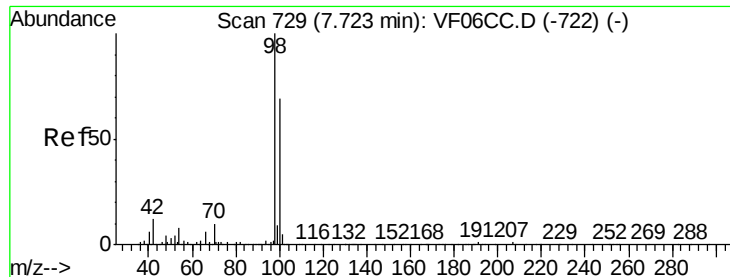


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 32.256 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

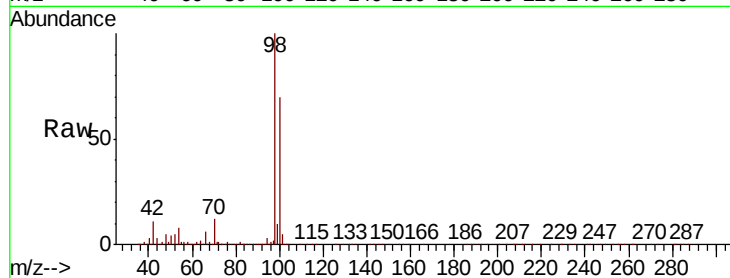
EO-02-060619-C

Tot Ion: 98 Resp: 899775

Ion Ratio Lower Upper

98 100

100 70.5 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.72

400000

300000

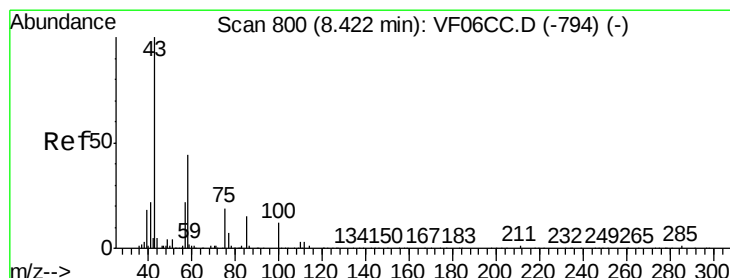
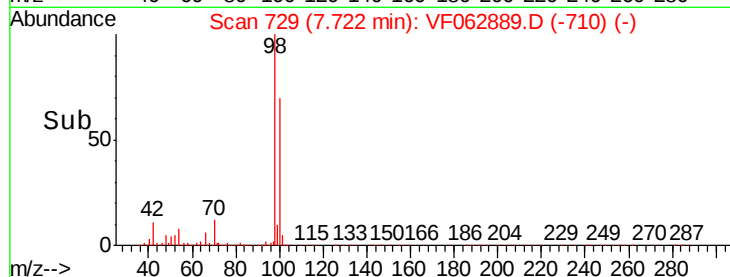
200000

100000

0

Time-->

7.60 7.70 7.80 7.90



#51

4-Methyl-2-Pentanone

Concen: 1.054 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062889.D

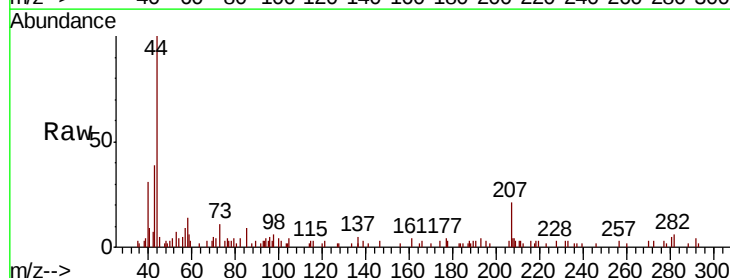
Acq: 6 Jun 2019 18:19

Tgt Ion: 43 Resp: 5105

Ion Ratio Lower Upper

43 100

58 35.8 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.43

2000

1500

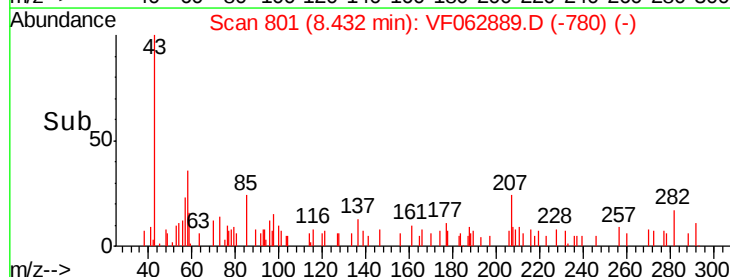
1000

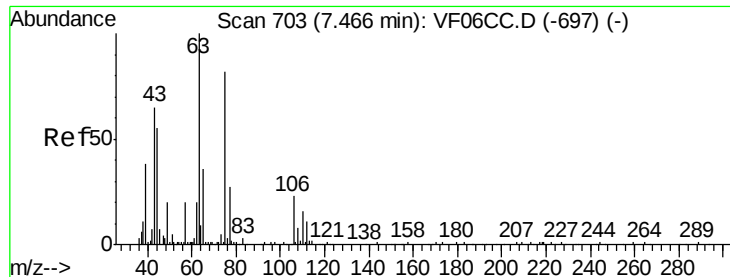
500

0

Time-->

8.40 8.45

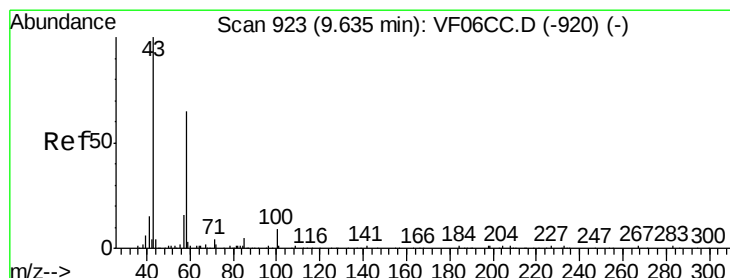
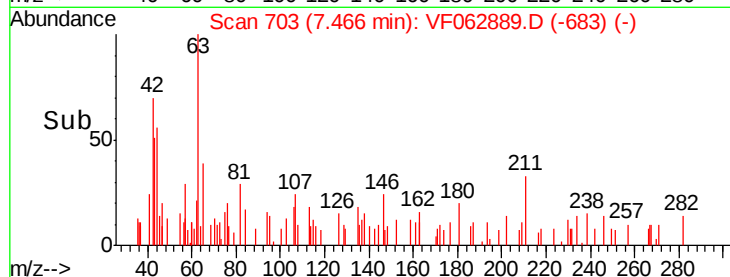
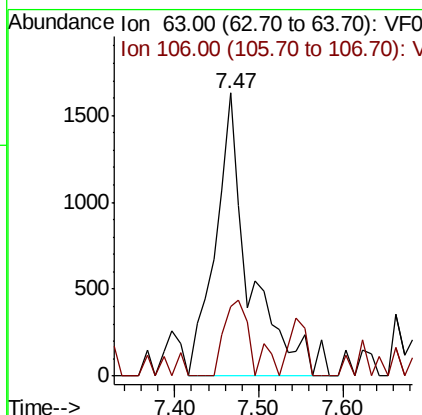
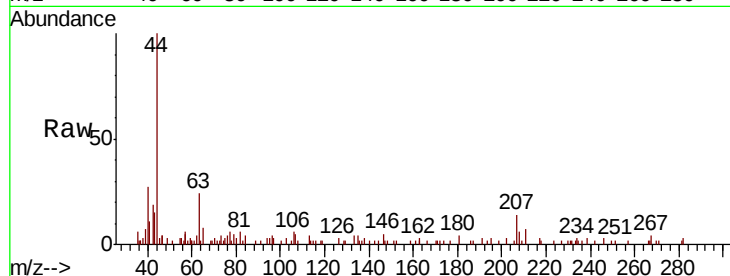




#58
2-Chloroethyl Vinyl ether
Concen: 1.961 ug/l
RT: 7.47 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF062889.D
Acq: 6 Jun 2019 18:19

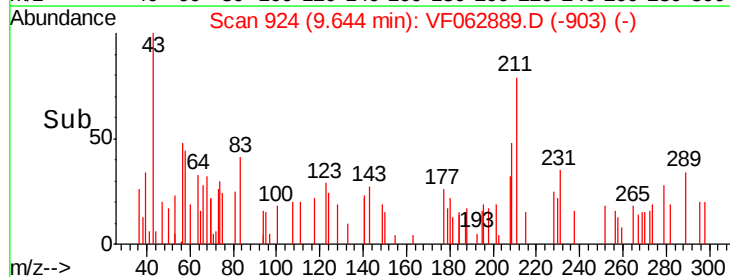
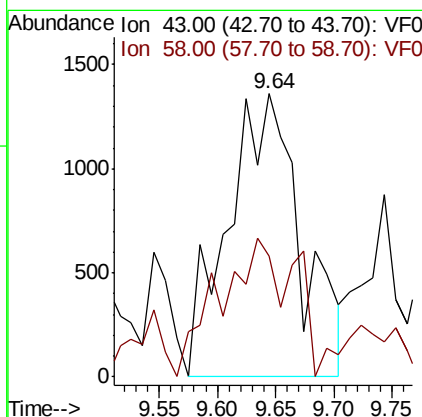
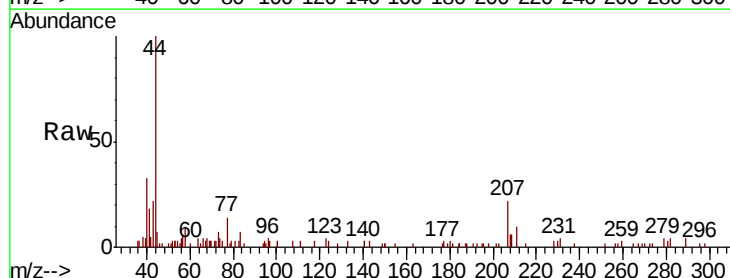
Instrument :
MSVOA_F
ClientSampleId :
EO-02-060619-C

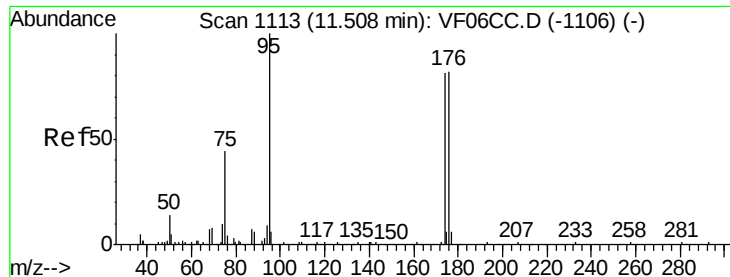
Tot Ion: 63 Resp: 4627
Ion Ratio Lower Upper
63 100
106 24.7 19.5 29.3



#59
2-Hexanone
Concen: 1.713 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062889.D
Acq: 6 Jun 2019 18:19

Tgt Ion: 43 Resp: 5916
Ion Ratio Lower Upper
43 100
58 42.8 29.3 87.9





#62

4-Bromofluorobenzene

Concen: 32.064 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

EO-02-060619-C

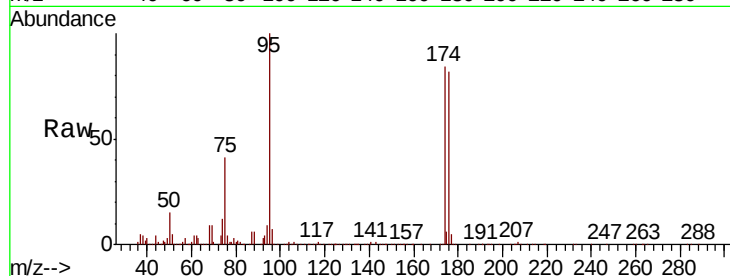
Tot Ion: 95 Resp: 321741

Ion Ratio Lower Upper

95 100

174 83.9 0.0 170.6

176 81.8 0.0 170.6

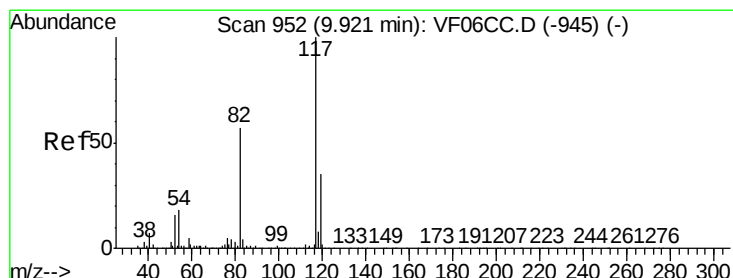
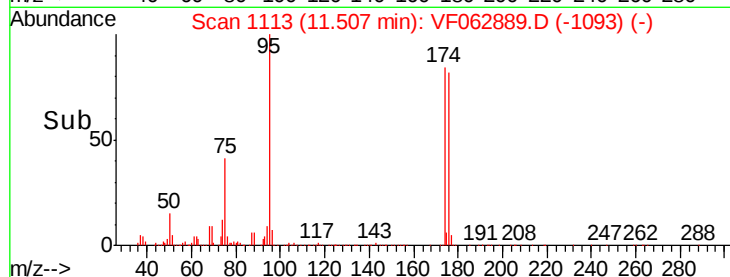
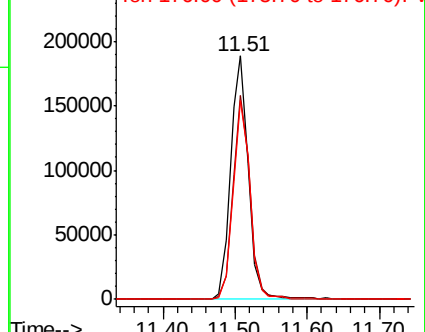


Abundance

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

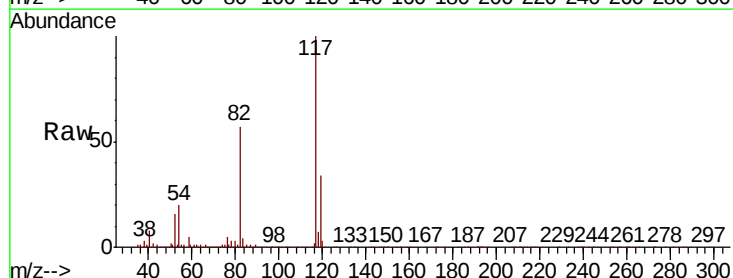
Tgt Ion: 117 Resp: 1018322

Ion Ratio Lower Upper

117 100

82 56.7 42.4 63.6

119 33.8 27.1 40.7

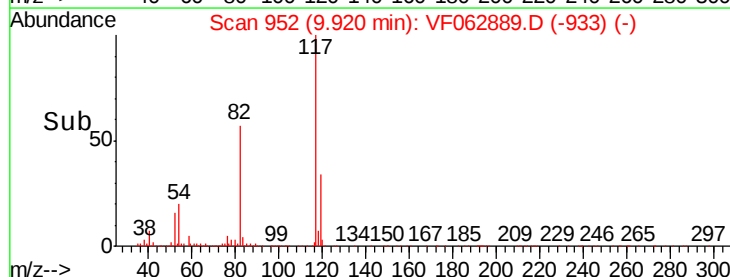
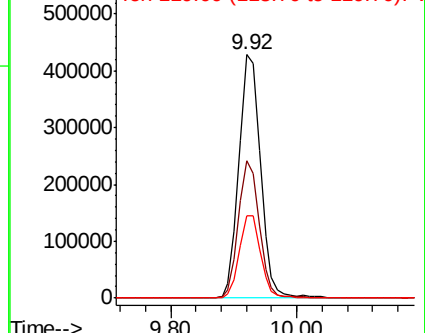


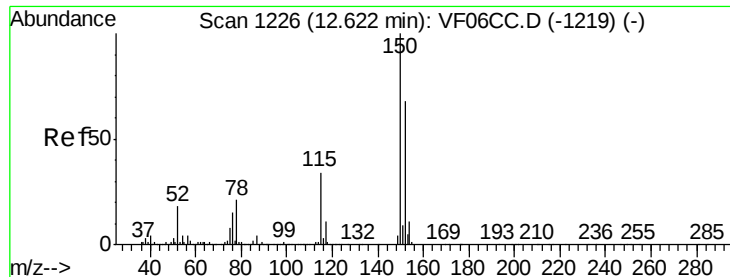
Abundance

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: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

EO-02-060619-C

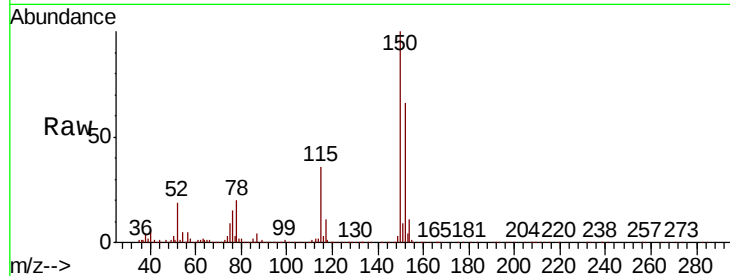
Tot Ion:152 Resp: 360524

Ion Ratio Lower Upper

152 100

115 54.8 24.6 74.0

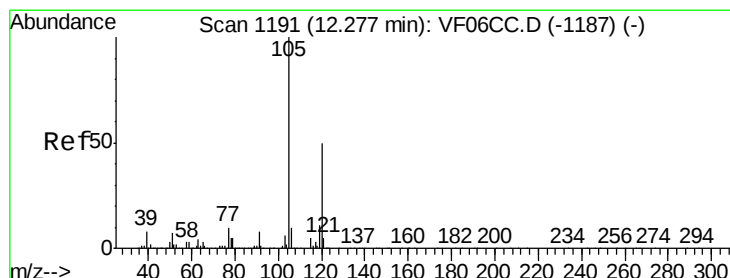
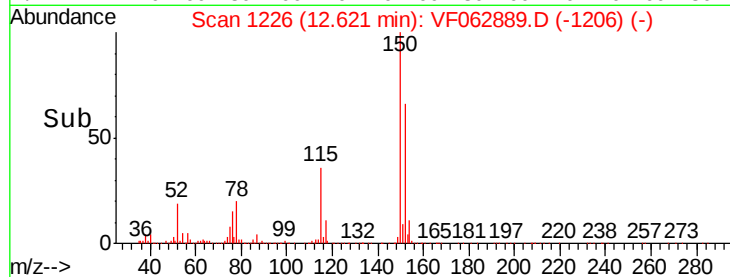
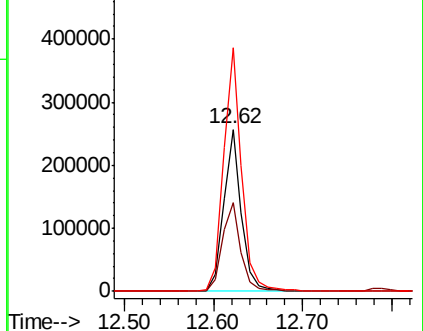
150 150.4 0.0 290.6



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



#84

1,2,4-Trimethylbenzene

Concen: 1.592 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062889.D

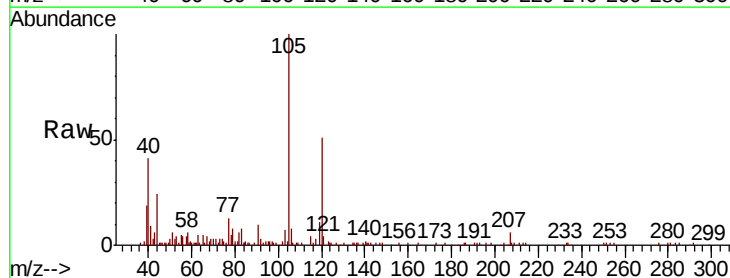
Acq: 6 Jun 2019 18:19

Tgt Ion:105 Resp: 31057

Ion Ratio Lower Upper

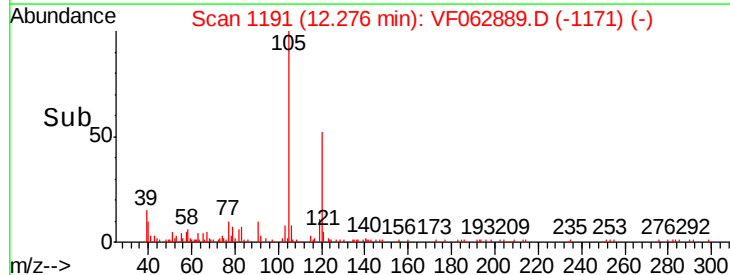
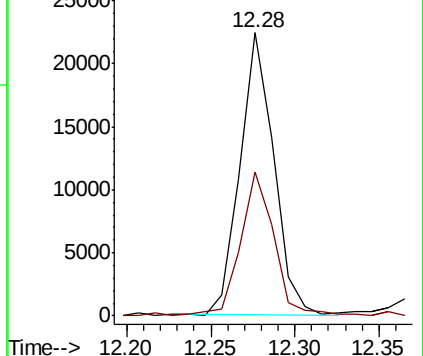
105 100

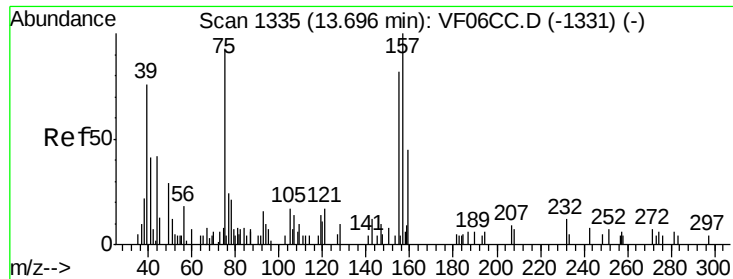
120 50.7 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.193 ug/l

RT: 13.71 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Instrument :

MSVOA_F

ClientSampleId :

EO-02-060619-C

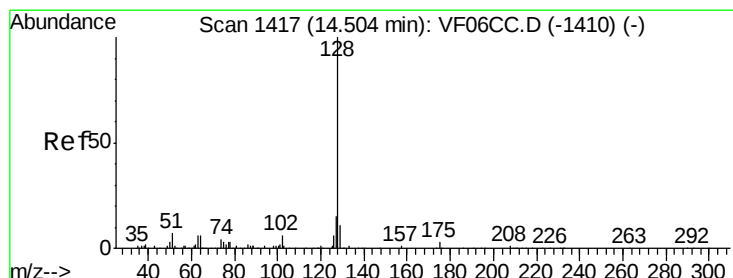
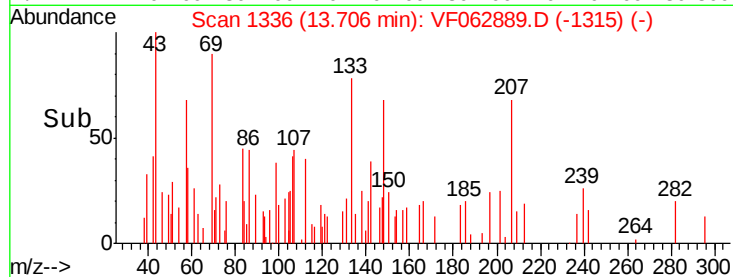
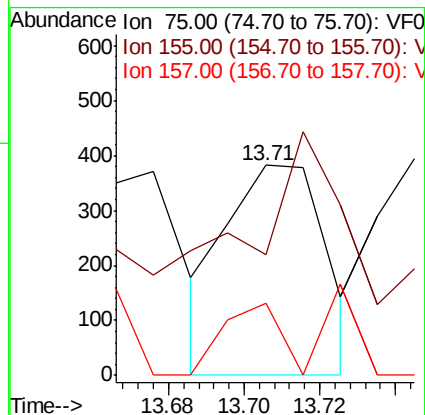
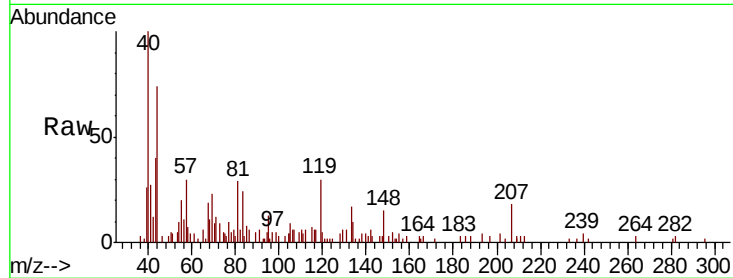
Tot Ion: 75 Resp: 698

Ion Ratio Lower Upper

75 100

155 57.3 51.7 155.1

157 34.3 66.8 200.6#



#95

Naphthalene

Concen: 2.761 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062889.D

Acq: 6 Jun 2019 18:19

Tgt Ion: 128 Resp: 30430

Ion Ratio Lower Upper

128 100

127 16.6 9.7 14.5#

129 28.1 9.4 14.2#

