

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062596.D
 Acq On : 14 May 2019 23:01
 Operator : FY/SY
 Sample : K2823-02
 Misc : 6.77g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 10-B2

Quant Time: May 15 05:18:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	775030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1357469	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	996056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	451848	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	218846	37.38	ug/l	0.00
Spiked Amount			Recovery	=	74.76%	
35) Dibromofluoromethane	4.33	113	367065	36.33	ug/l	0.00
Spiked Amount			Recovery	=	72.66%	
50) Toluene-d8	7.73	98	798239	33.53	ug/l	0.00
Spiked Amount			Recovery	=	67.06%	
62) 4-Bromofluorobenzene	11.50	95	274592	33.03	ug/l	0.00
Spiked Amount			Recovery	=	66.06%	

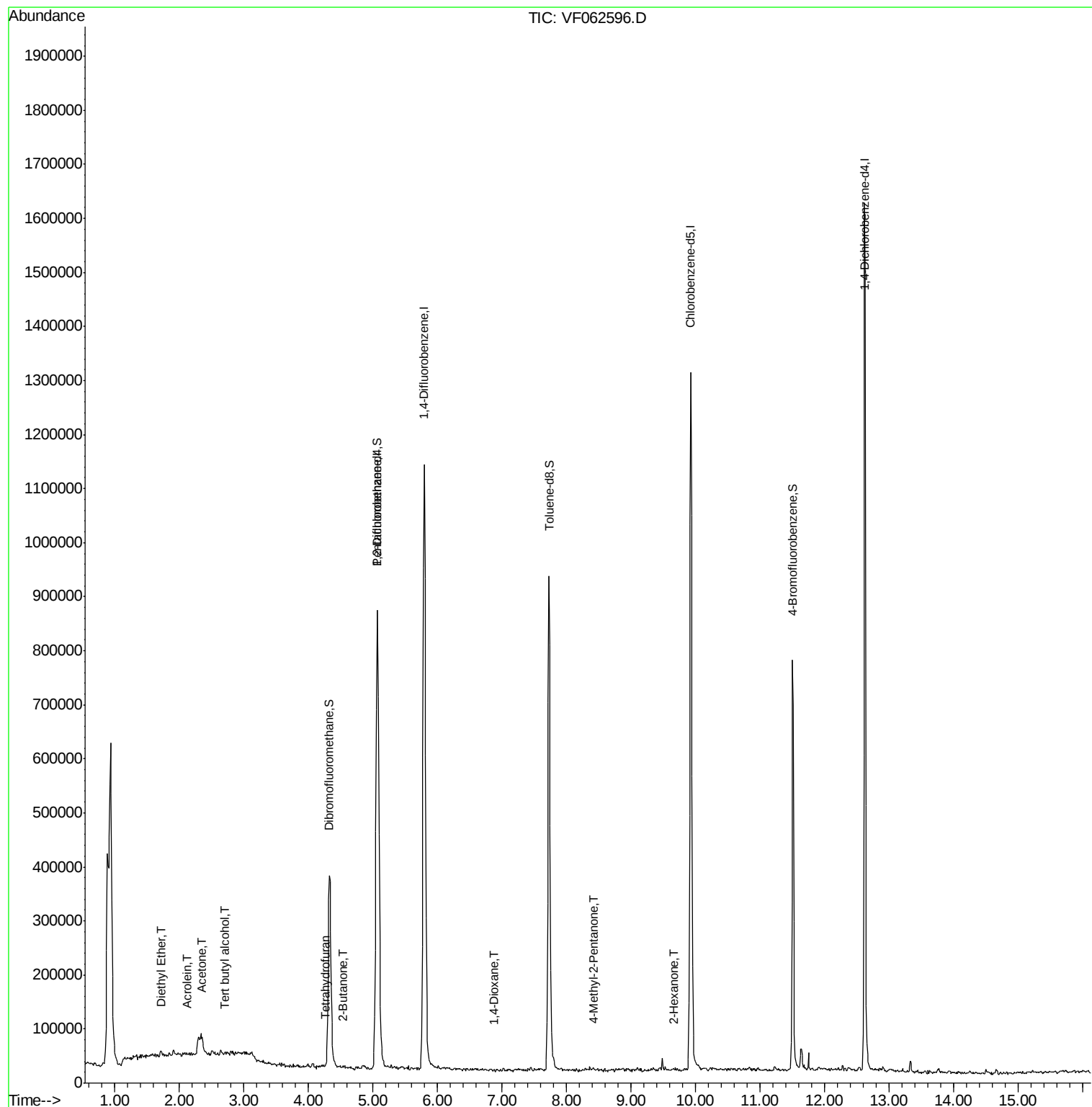
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.92	85	442	Below Cal		76
8) Diethyl Ether	1.72	74	3414	1.264	ug/l	75
11) Tert butyl alcohol	2.69	59	613	1.739	ug/l #	1
13) Acrolein	2.13	56	745	3.189	ug/l #	78
16) Acetone	2.36	43	12192	10.262	ug/l #	69
17) Carbon Disulfide	1.91	76	309	Below Cal	#	1
18) Methyl Acetate	2.30	43	373	Below Cal		91
25) 2-Butanone	4.54	43	2807	1.045	ug/l #	52
29) Tetrahydrofuran	4.26	42	2934	2.581	ug/l #	48
49) 1,4-Dioxane	6.88	88	241	5.849	ug/l #	15
51) 4-Methyl-2-Pentanone	8.43	43	5094	1.217	ug/l #	68
59) 2-Hexanone	9.65	43	4312	1.560	ug/l	85

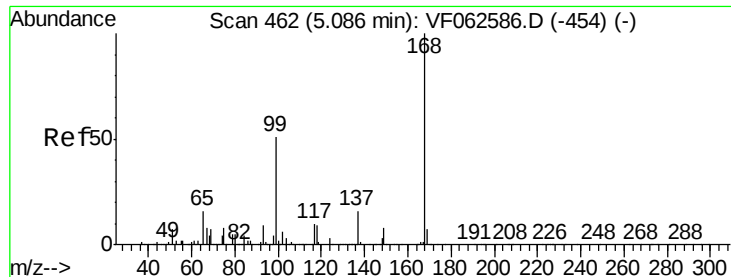
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
Data File : VF062596.D
Acq On : 14 May 2019 23:01
Operator : FY/SY
Sample : K2823-02
Misc : 6.77g/5mL/MSVOA F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
10-B2

Quant Time: May 15 05:18:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062596.D

Acq: 14 May 2019 23:01

Instrument :

MSVOA_F

ClientSampleId :

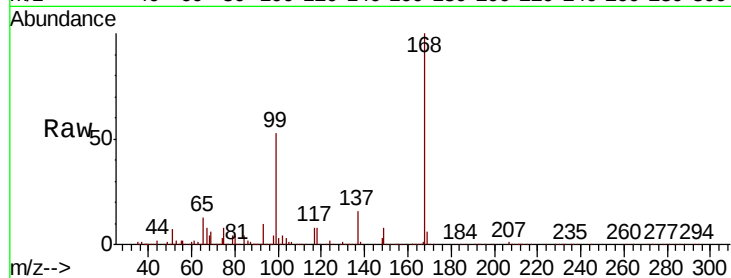
10-B2

Tot Ion:168 Resp: 775030

Ion Ratio Lower Upper

168 100

99 53.3 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

300000

250000

200000

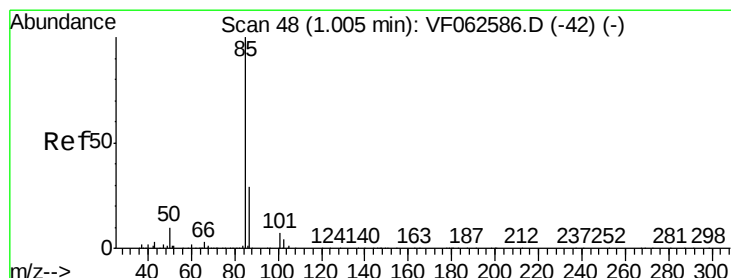
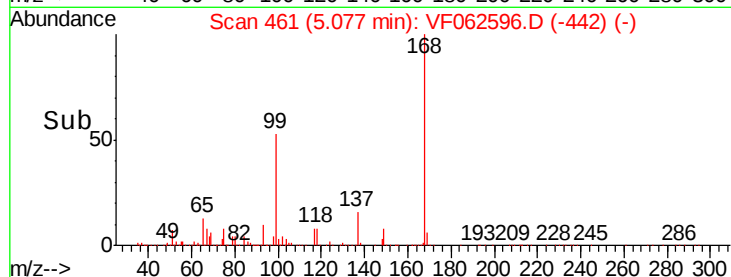
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.92 min Scan# 39

Delta R.T. -0.09 min

Lab File: VF062596.D

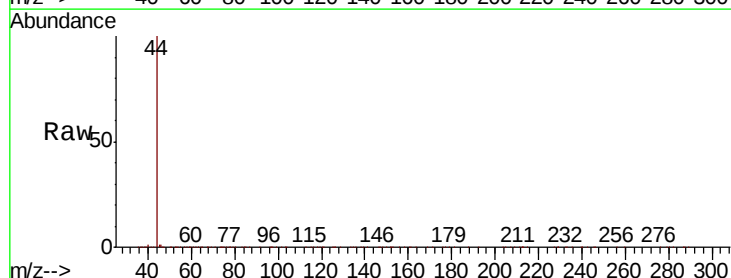
Acq: 14 May 2019 23:01

Tgt Ion: 85 Resp: 442

Ion Ratio Lower Upper

85 100

87 41.9 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

400

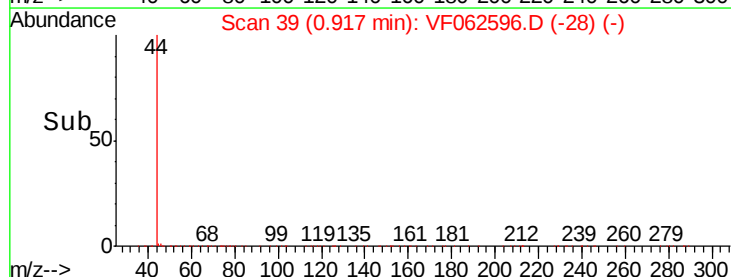
300

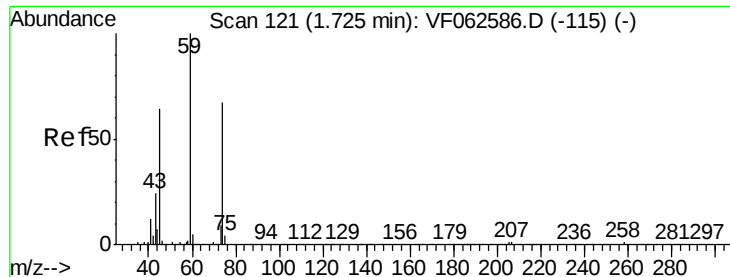
200

100

0

Time--> 0.90 0.95 1.00





#8

Diethyl Ether

Concen: 1.264 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF062596.D

Acq: 14 May 2019 23:01

Instrument :

MSVOA_F

ClientSampleId :

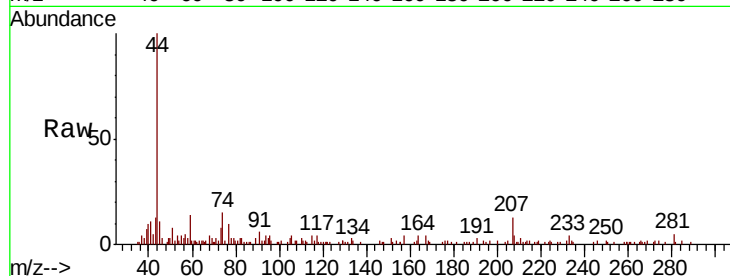
10-B2

Tot Ion: 74 Resp: 3414

Ion Ratio Lower Upper

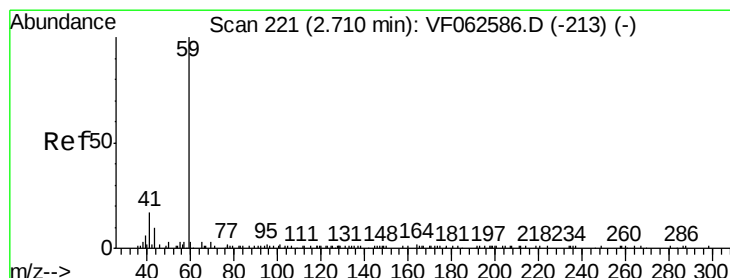
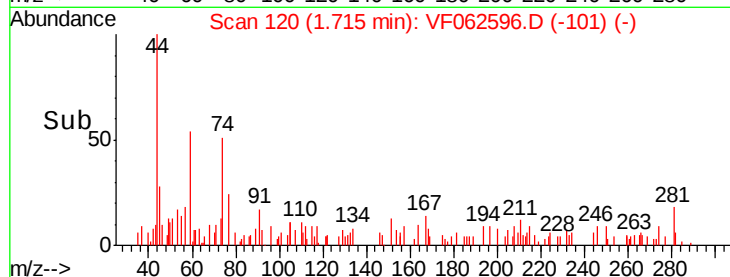
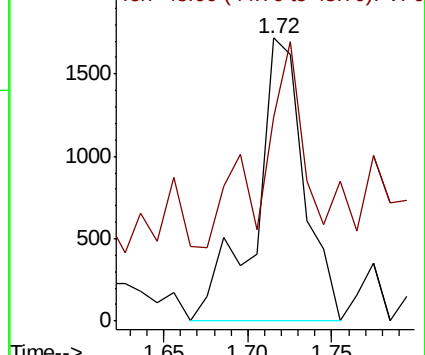
74 100

45 72.2 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 1.739 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF062596.D

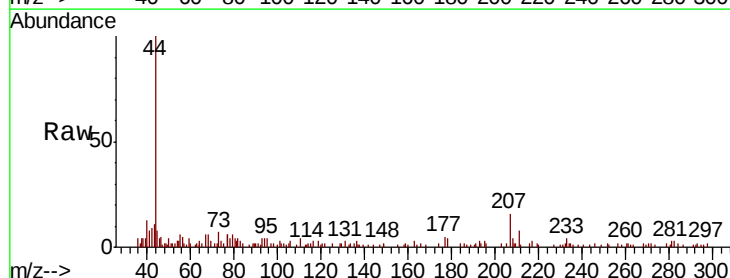
Acq: 14 May 2019 23:01

Tgt Ion: 59 Resp: 613

Ion Ratio Lower Upper

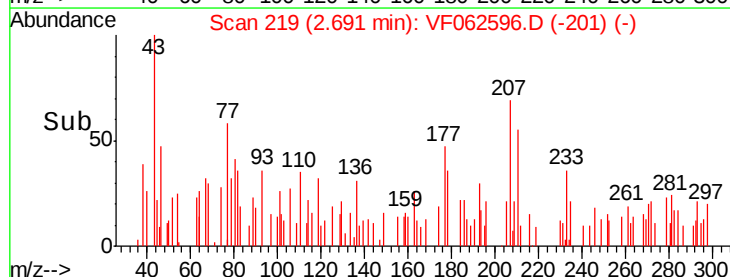
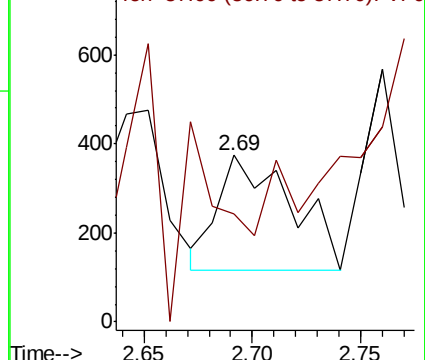
59 100

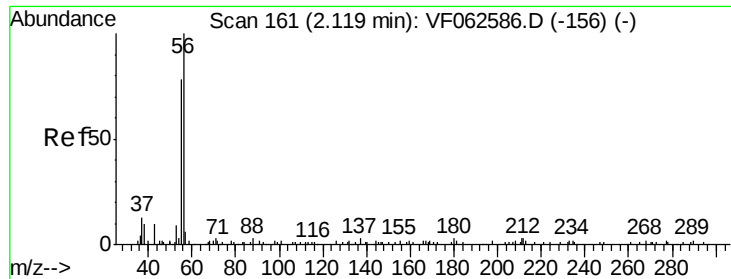
57 64.7 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 3.189 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.01 min

Lab File: VF062596.D

Acq: 14 May 2019 23:01

Instrument :

MSVOA_F

ClientSampleId :

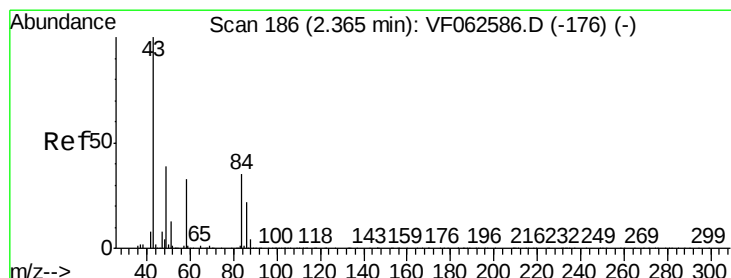
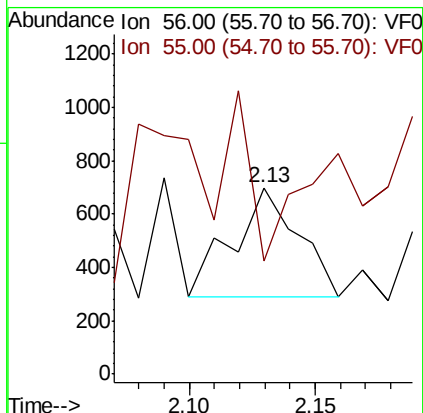
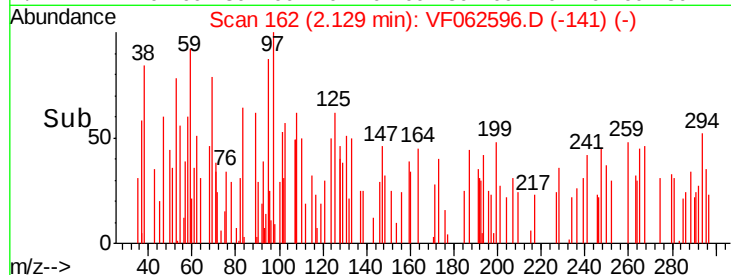
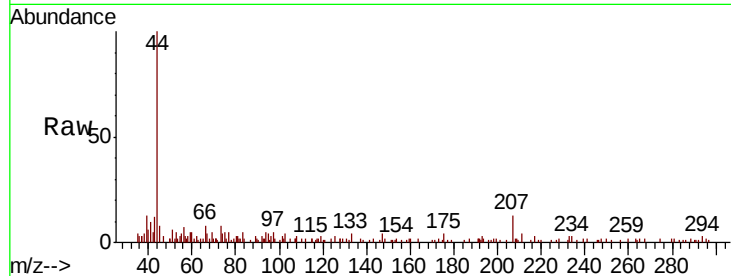
10-B2

Tot Ion: 56 Resp: 745

Ion Ratio Lower Upper

56 100

55 60.9 64.6 96.8#



#16

Acetone

Concen: 10.262 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062596.D

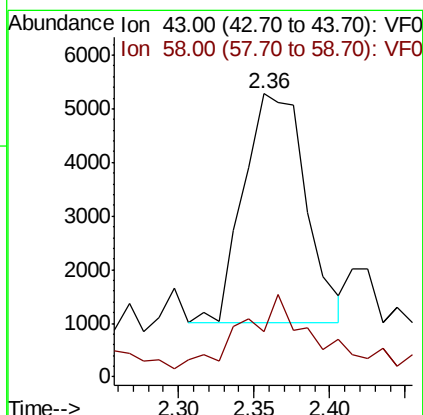
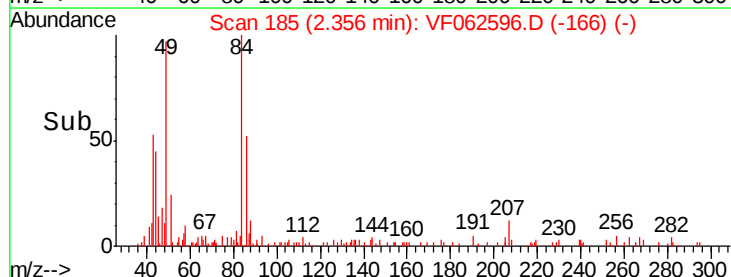
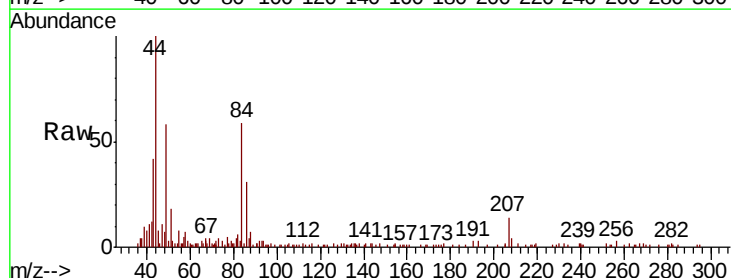
Acq: 14 May 2019 23:01

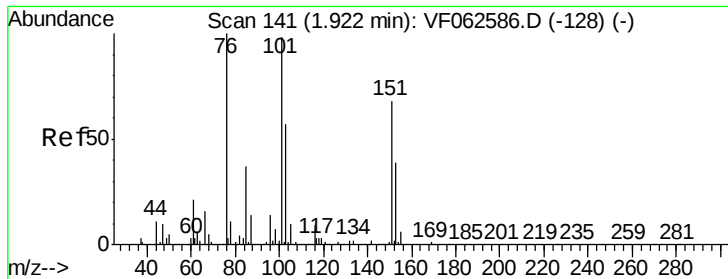
Tgt Ion: 43 Resp: 12192

Ion Ratio Lower Upper

43 100

58 15.9 26.7 40.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062596.D

Acq: 14 May 2019 23:01

Instrument :

MSVOA_F

ClientSampled :

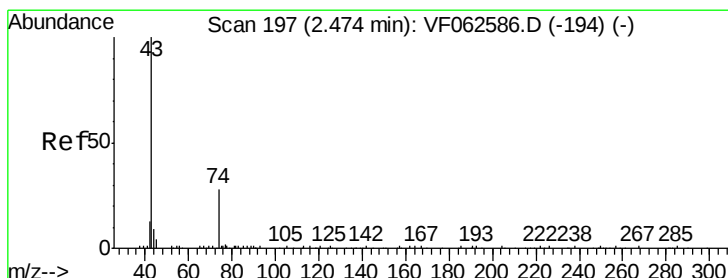
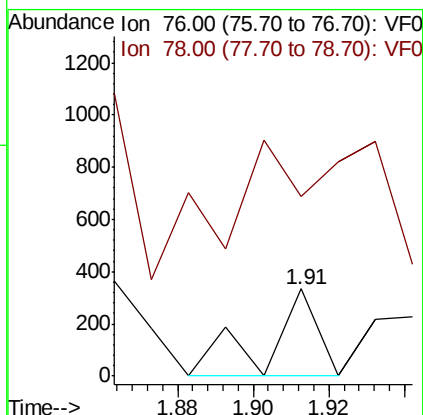
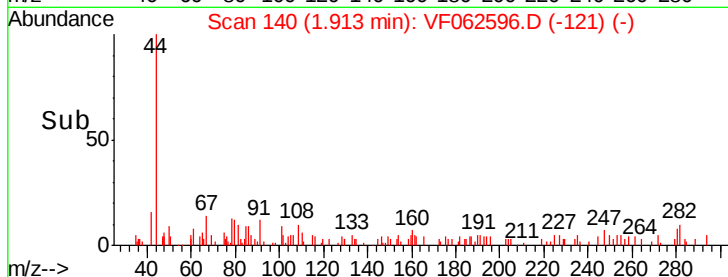
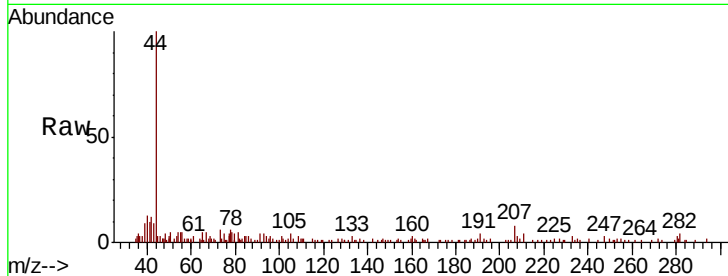
10-B2

Tot Ion: 76 Resp: 309

Ion Ratio Lower Upper

76 100

78 206.6 9.0 13.4#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.30 min Scan# 179

Delta R.T. -0.18 min

Lab File: VF062596.D

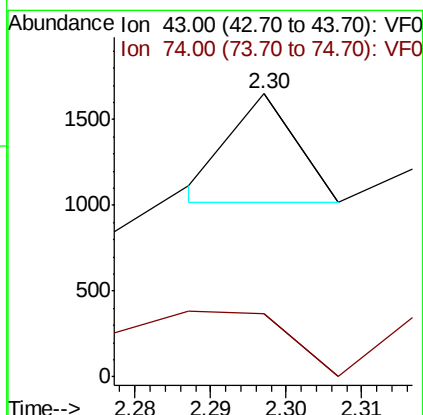
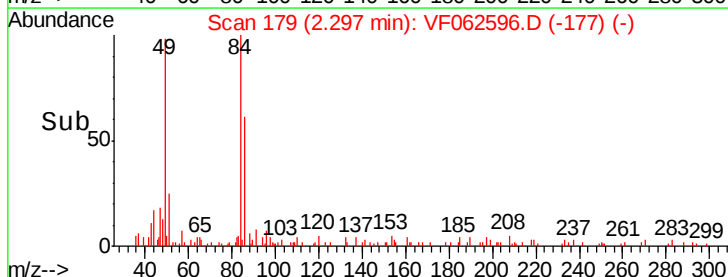
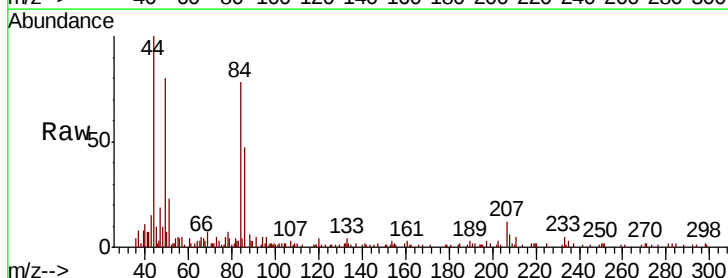
Acq: 14 May 2019 23:01

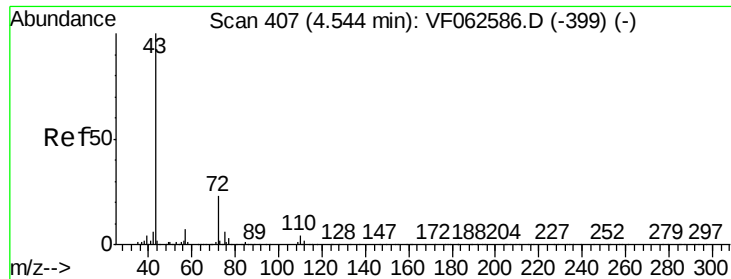
Tgt Ion: 43 Resp: 373

Ion Ratio Lower Upper

43 100

74 22.2 21.4 32.0

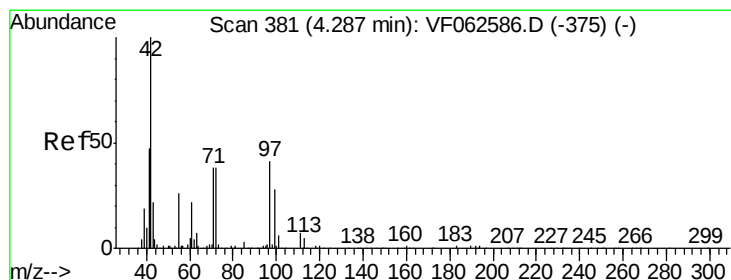
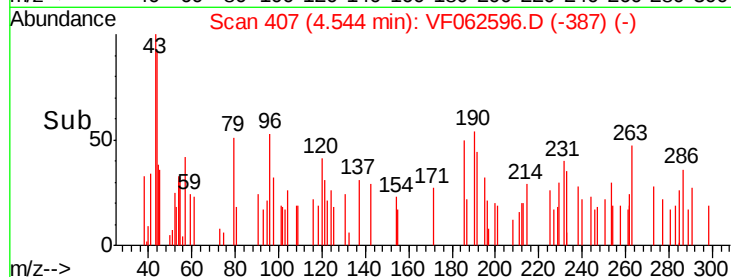
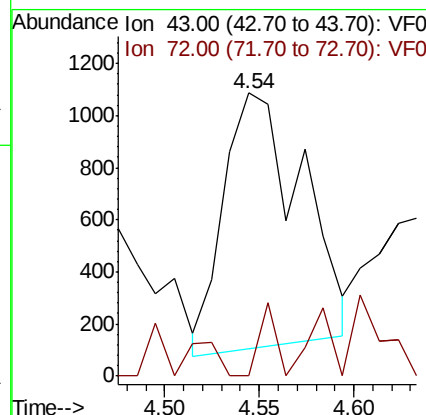
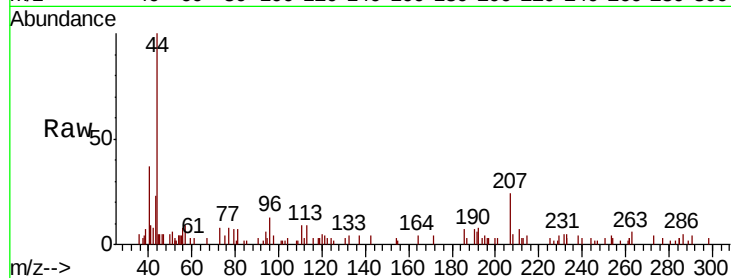




#25
2-Butanone
Concen: 1.045 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF062596.D
Acq: 14 May 2019 23:01

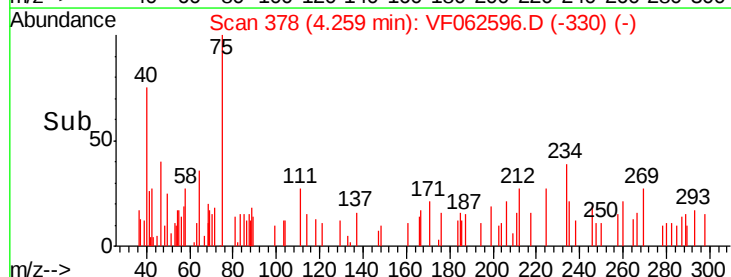
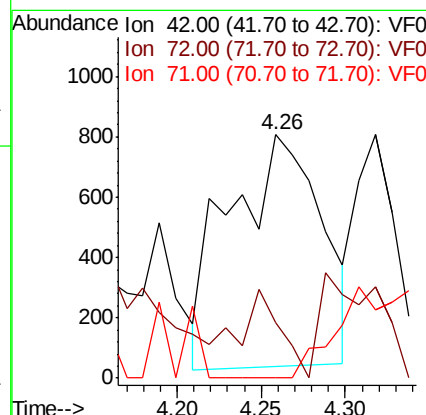
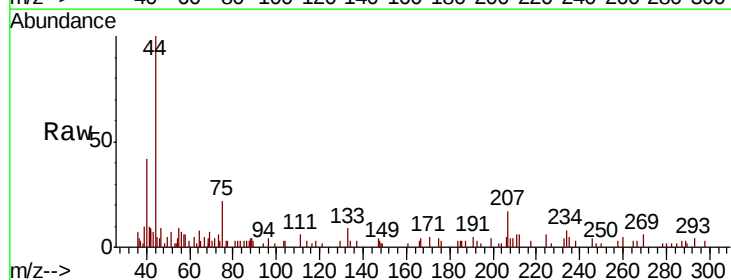
Instrument :
MSVOA_F
ClientSampled :
10-B2

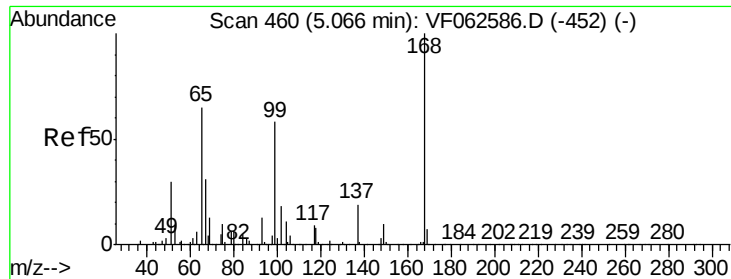
Tot Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#29
Tetrahydrofuran
Concen: 2.581 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062596.D
Acq: 14 May 2019 23:01

Tgt Ion: 42 Resp: 2934
Ion Ratio Lower Upper
42 100
72 17.5 34.0 51.0#
71 0.0 32.8 49.2#

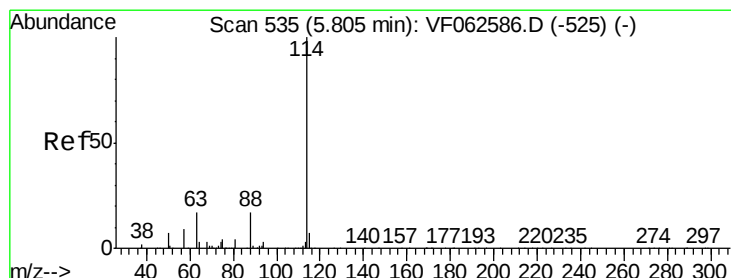
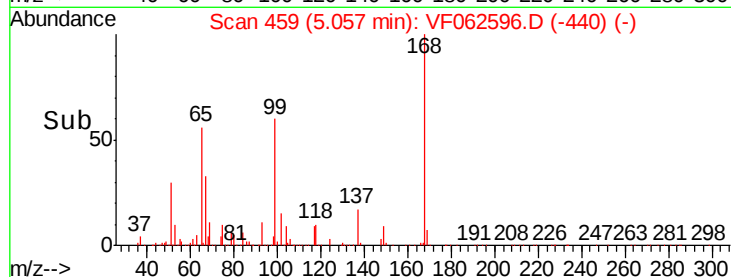
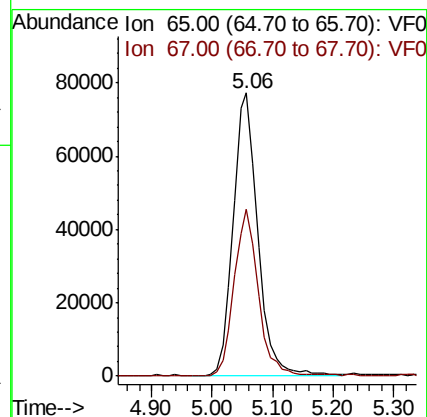
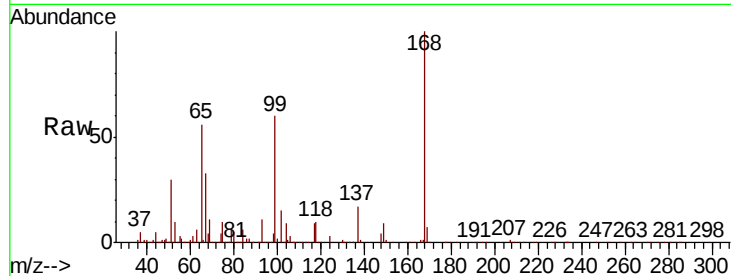




#33
 1,2-Dichloroethane-d4
 Concen: 37.378 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VF062596.D
 Acq: 14 May 2019 23:01

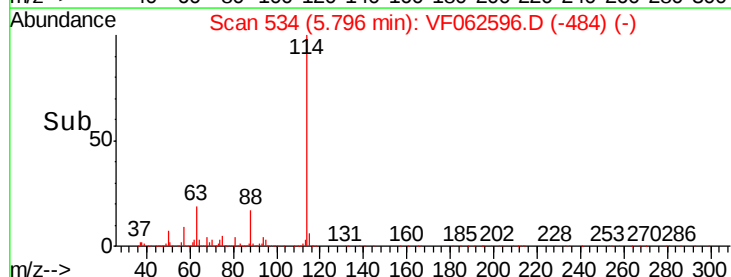
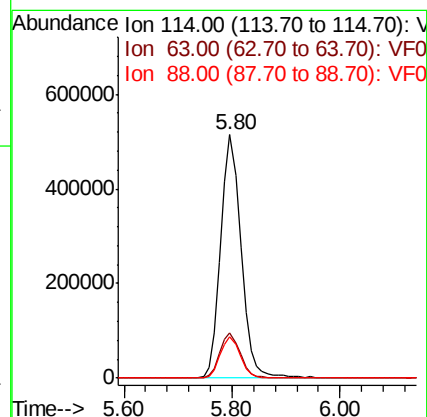
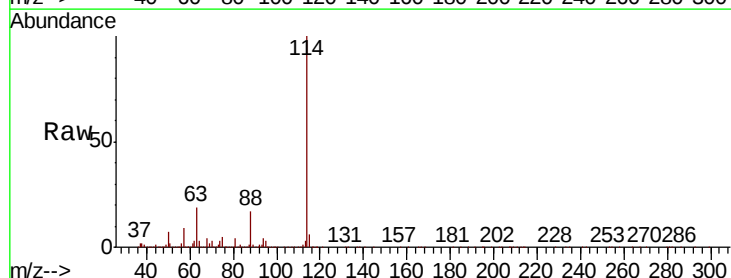
Instrument :
 MSVOA_F
 ClientSampled :
 10-B2

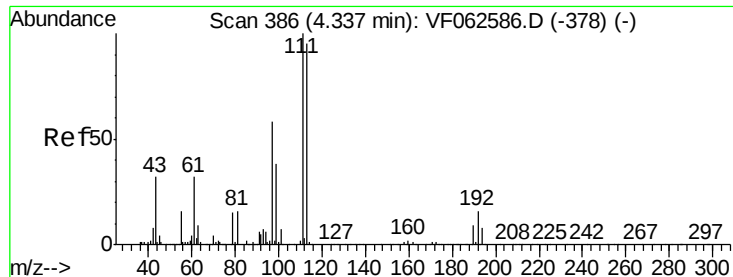
Tot Ion: 65 Resp: 218846
 Ion Ratio Lower Upper
 65 100
 67 58.9 0.0 116.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062596.D
 Acq: 14 May 2019 23:01

Tgt Ion: 114 Resp: 1357469
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.6
 88 16.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 36.331 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062596.D

Acq: 14 May 2019 23:01

Instrument :

MSVOA_F

ClientSampleId :

10-B2

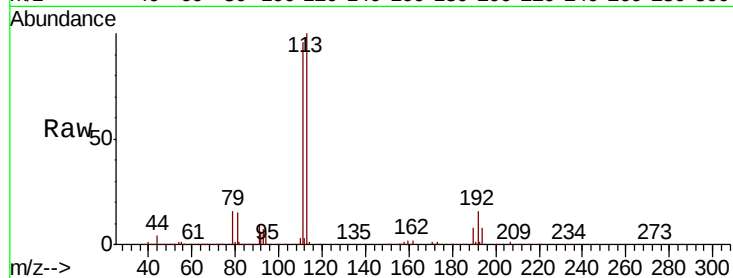
Tot Ion:113 Resp: 367065

Ion Ratio Lower Upper

113 100

111 95.9 83.9 125.9

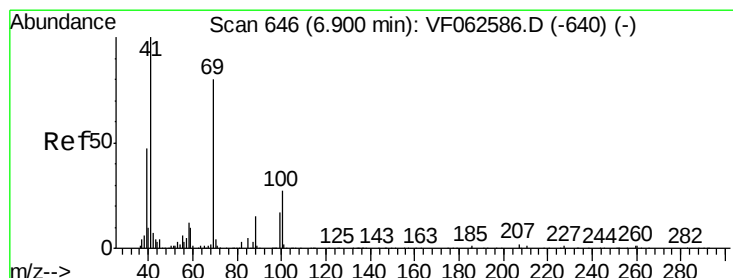
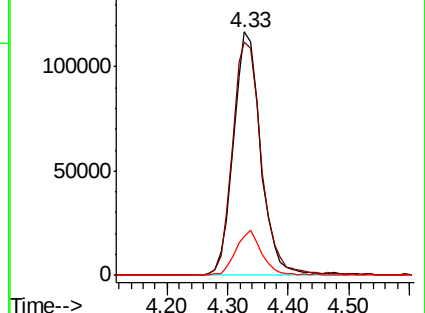
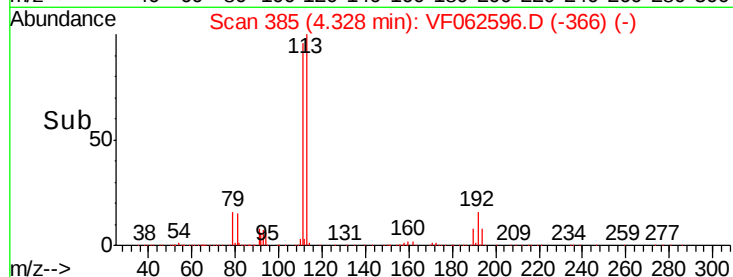
192 15.9 13.7 20.5



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: 5.849 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.02 min

Lab File: VF062596.D

Acq: 14 May 2019 23:01

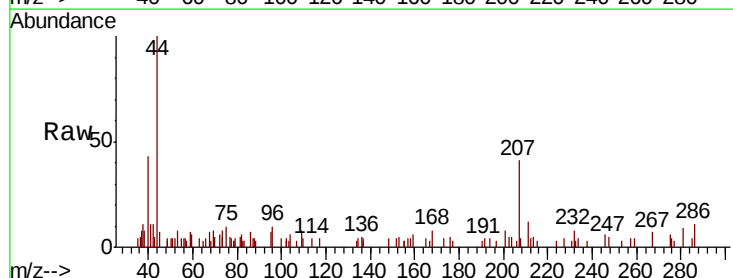
Tgt Ion: 88 Resp: 241

Ion Ratio Lower Upper

88 100

43 81.0 28.8 43.2#

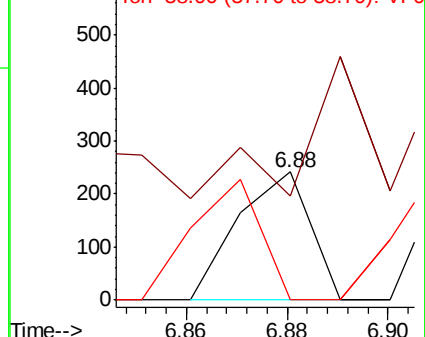
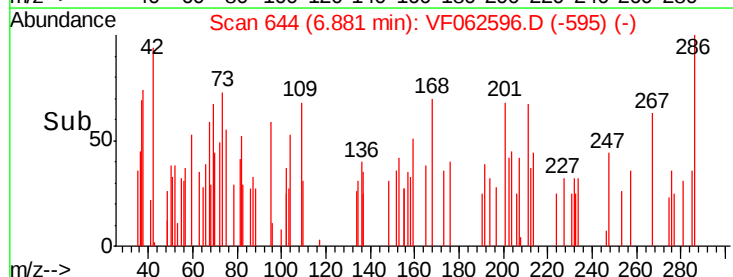
58 0.0 60.6 90.8#

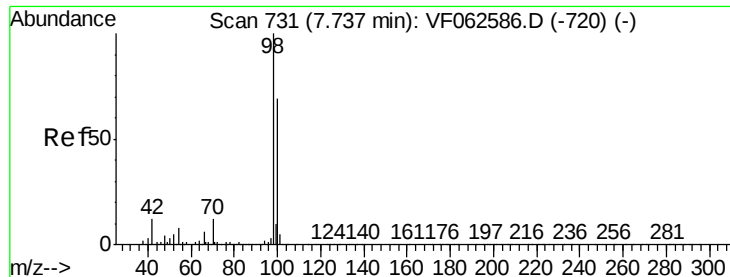


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 33.529 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062596.D

Acq: 14 May 2019 23:01

Instrument :

MSVOA_F

ClientSampleId :

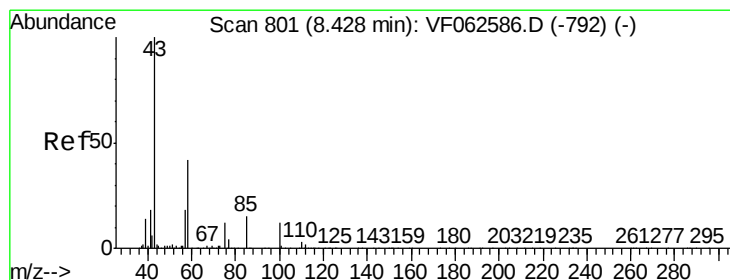
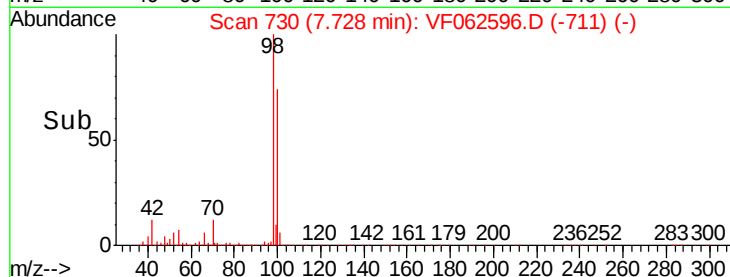
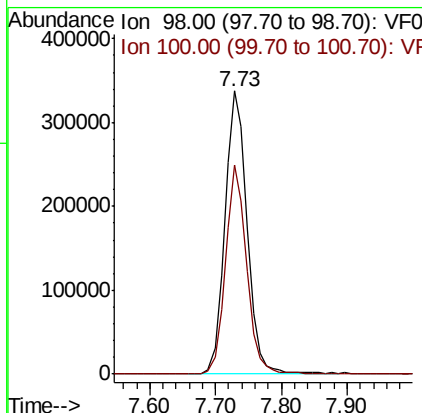
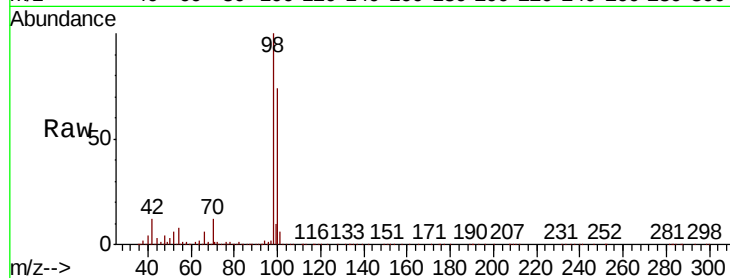
10-B2

Tot Ion: 98 Resp: 798239

Ion Ratio Lower Upper

98 100

100 73.7 55.4 83.0



#51

4-Methyl-2-Pentanone

Concen: 1.217 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062596.D

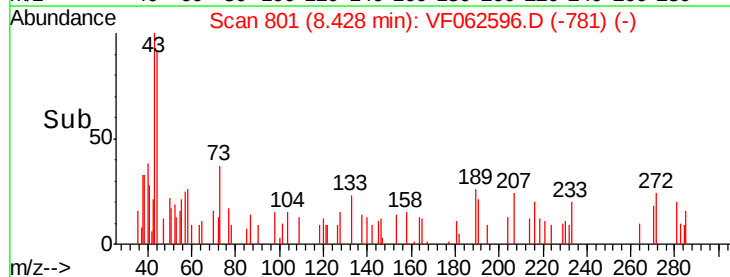
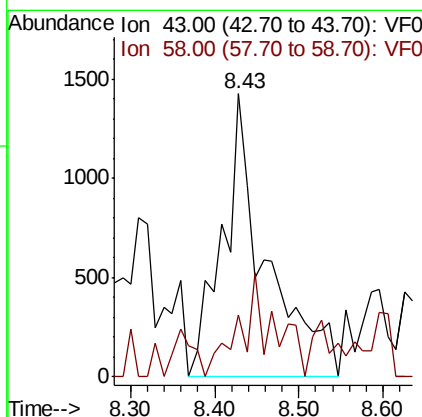
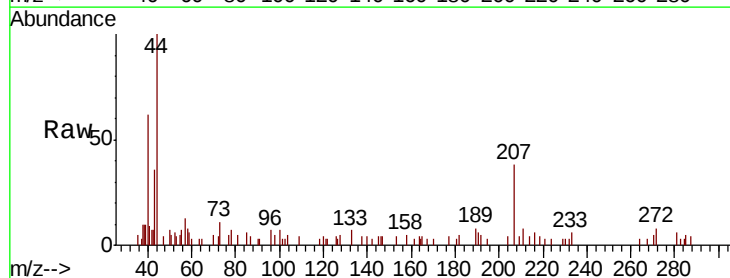
Acq: 14 May 2019 23:01

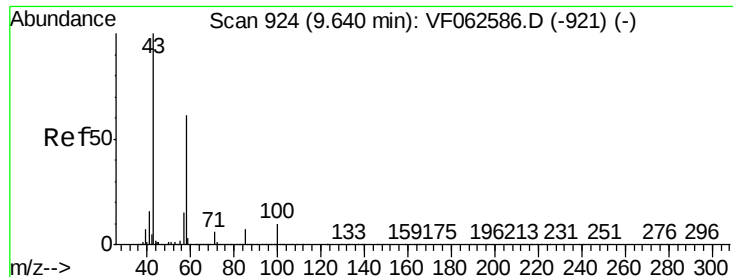
Tgt Ion: 43 Resp: 5094

Ion Ratio Lower Upper

43 100

58 22.0 33.6 50.4#

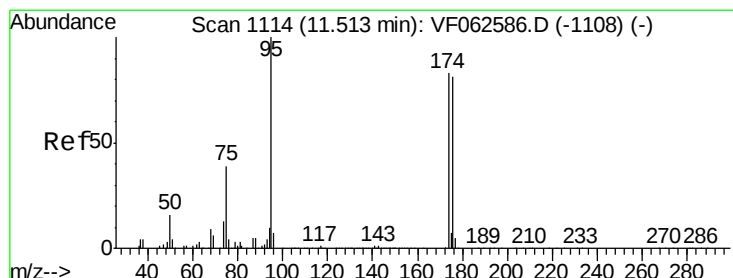
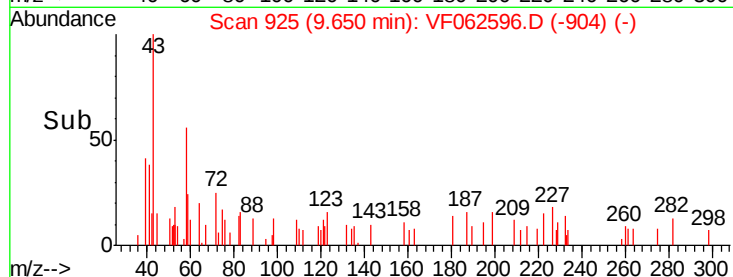
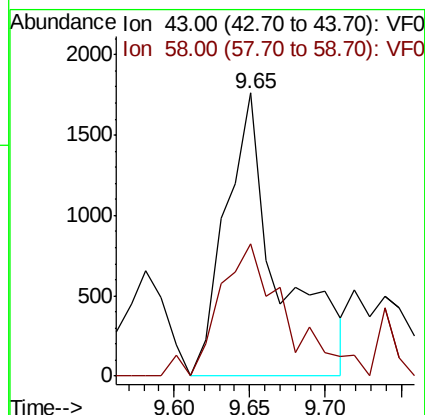
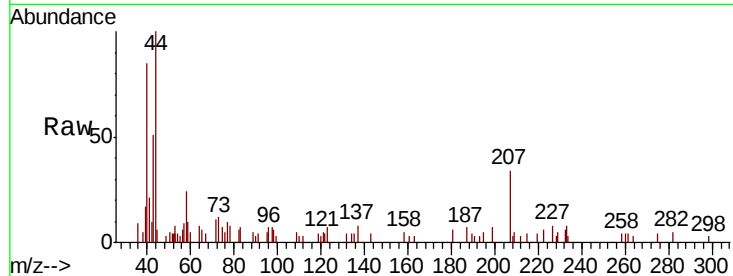




#59
2-Hexanone
Concen: 1.560 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF062596.D
Acq: 14 May 2019 23:01

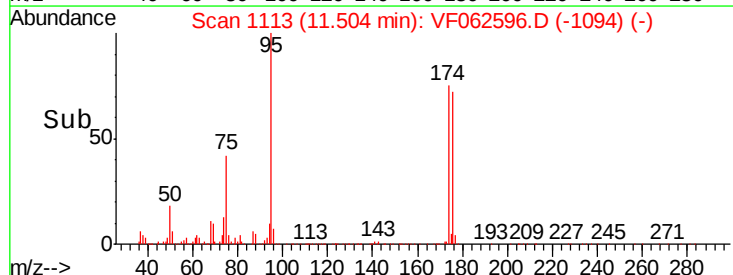
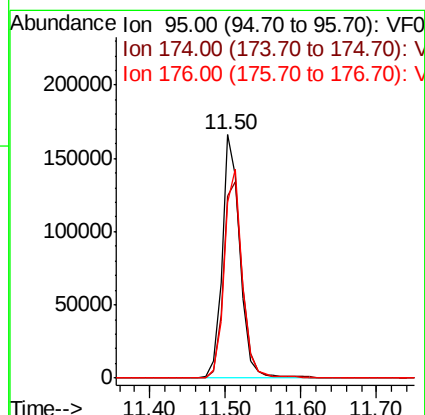
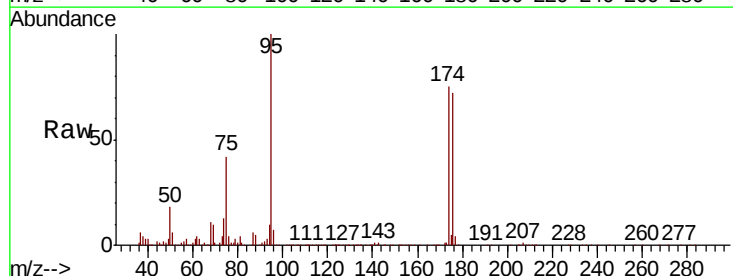
Instrument :
MSVOA_F
ClientSampleId :
10-B2

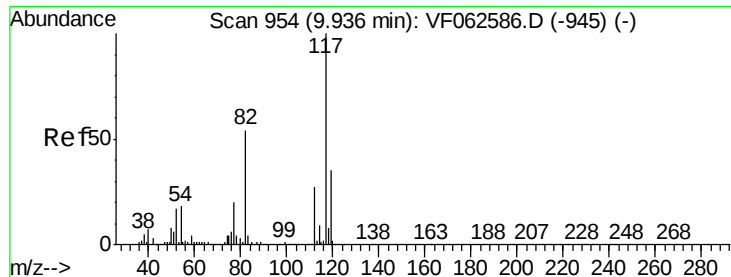
Tot Ion: 43 Resp: 4312
Ion Ratio Lower Upper
43 100
58 46.5 28.7 86.3



#62
4-Bromofluorobenzene
Concen: 33.025 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF062596.D
Acq: 14 May 2019 23:01

Tgt Ion: 95 Resp: 274592
Ion Ratio Lower Upper
95 100
174 74.9 0.0 166.6
176 72.2 0.0 161.8

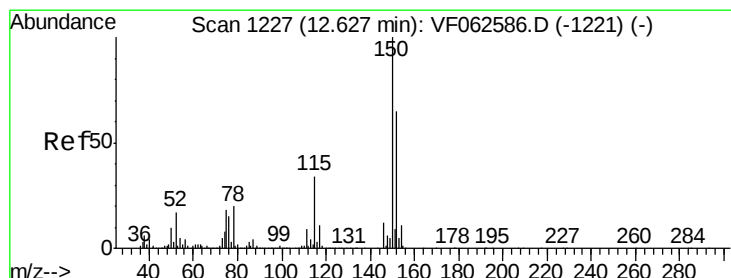
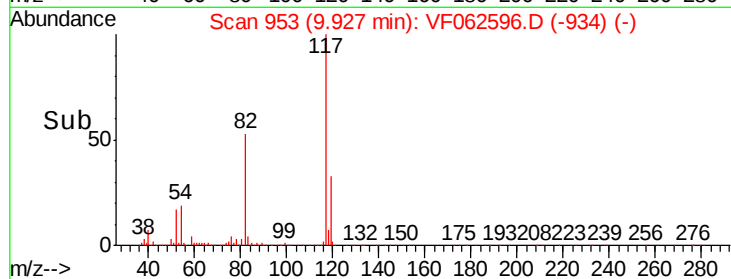
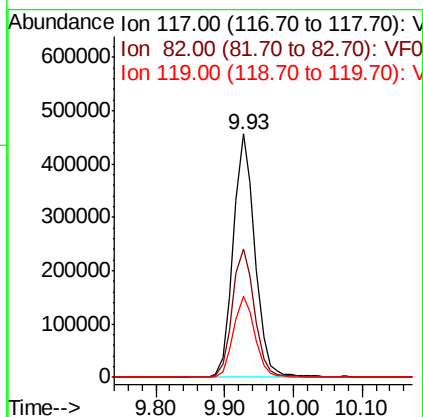
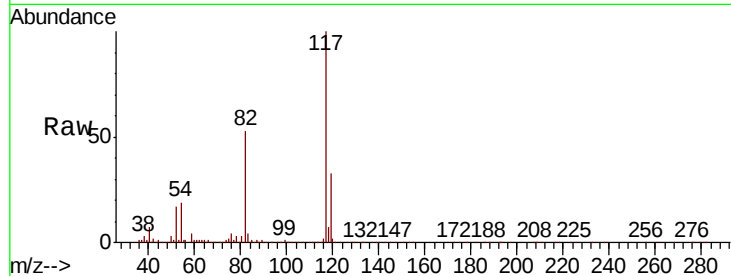




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062596.D
Acq: 14 May 2019 23:01

Instrument :
MSVOA_F
ClientSampleId :
10-B2

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	33.2	27.7	41.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF062596.D
Acq: 14 May 2019 23:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.8	26.2	78.6
150	150.6	0.0	316.0

