

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060725.D
 Acq On : 14 Nov 2018 15:35
 Operator : VA/AP
 Sample : J5860-26RE
 Misc : 5.67g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP2-SB-111(22-24)

Quant Time: Nov 15 06:37:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	226089	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	400862	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	358405	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	209237	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	131077	50.83	ug/l	-0.04
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	4.09	113	142506	47.29	ug/l	-0.04
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	7.53	98	342458	43.84	ug/l	-0.04
Spiked Amount			Recovery	=	87.68%	
62) 4-Bromofluorobenzene	11.40	95	172799	48.32	ug/l	-0.02
Spiked Amount			Recovery	=	96.64%	

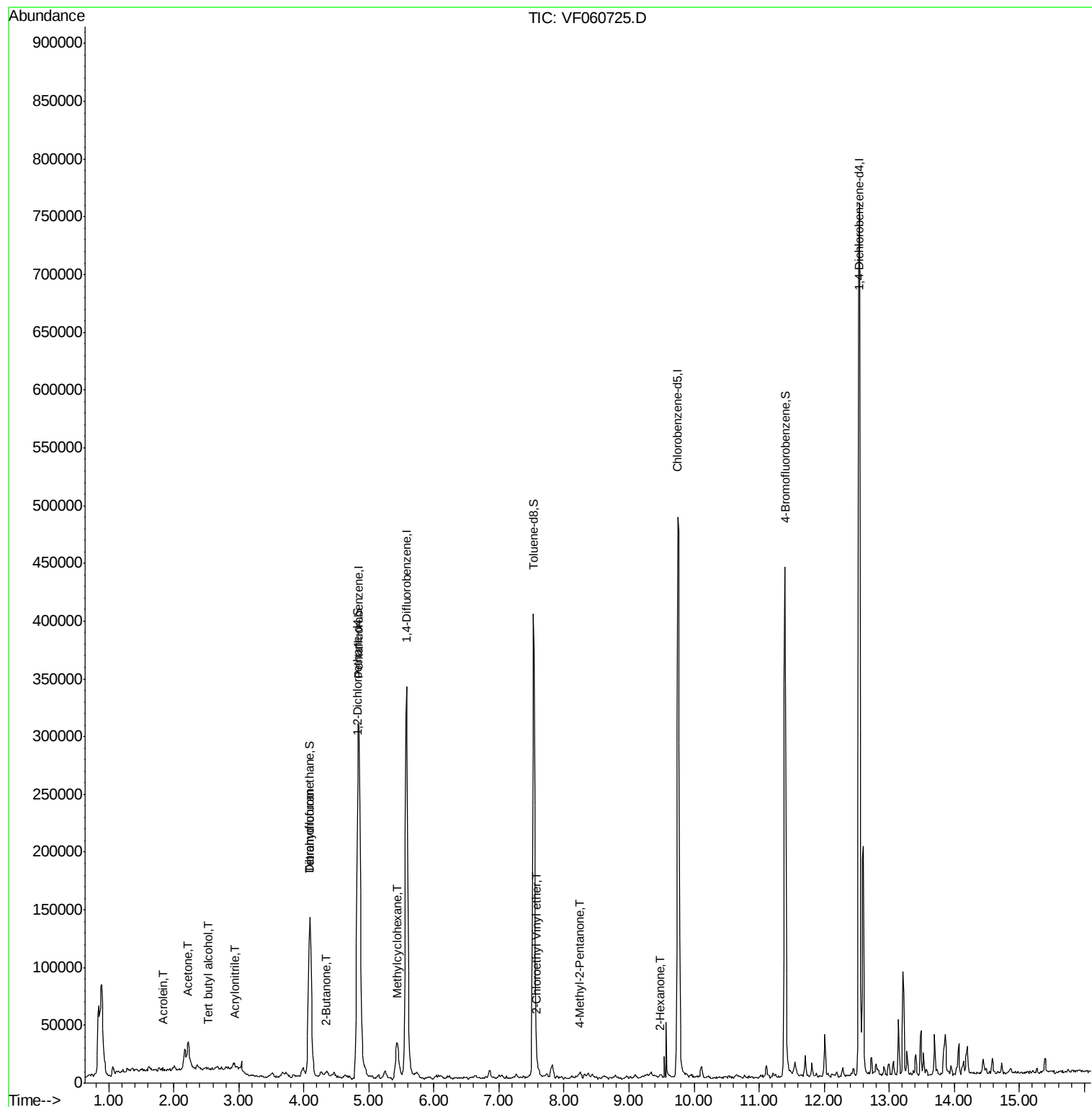
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.54	59	144	1.227	ug/l #	1
13) Acrolein	1.85	56	399	3.718	ug/l	92
15) Acrylonitrile	2.93	53	574	2.295	ug/l #	42
16) Acetone	2.22	43	17546	31.832	ug/l	96
25) 2-Butanone	4.34	43	2964	3.269	ug/l #	83
29) Tetrahydrofuran	4.08	42	892	2.385	ug/l #	36
39) Methylcyclohexane	5.43	83	19517	3.619	ug/l	96
41) Methacrylonitrile	4.75	41	381	Below Cal	#	26
51) 4-Methyl-2-Pentanone	8.24	43	2435	1.469	ug/l #	75
58) 2-Chloroethyl Vinyl ether	7.59	63	340	1.652	ug/l	100
59) 2-Hexanone	9.47	43	3658	3.140	ug/l	83

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

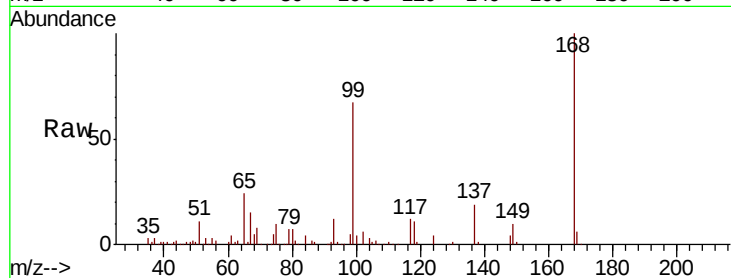
Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(22-24)

Tgt Ion:168 Resp: 226089

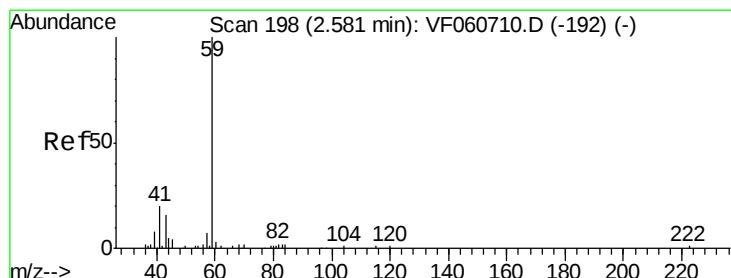
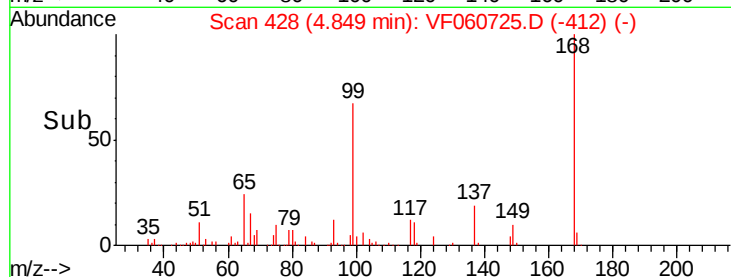
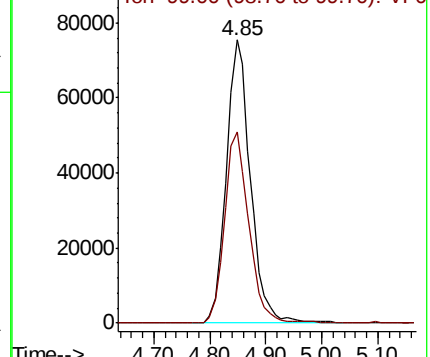
Ion Ratio Lower Upper

168 100

99 67.5 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF060710.D (-423) (-)



#11

Tert butyl alcohol

Concen: 1.227 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.04 min

Lab File: VF060725.D

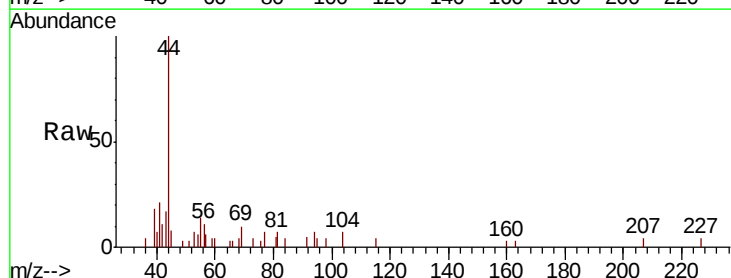
Acq: 14 Nov 2018 15:35

Tgt Ion: 59 Resp: 144

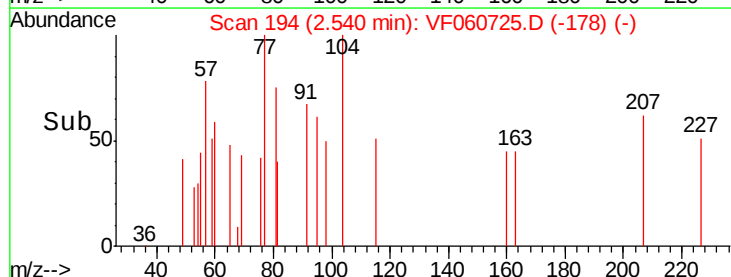
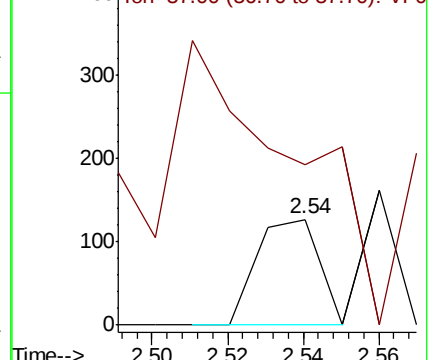
Ion Ratio Lower Upper

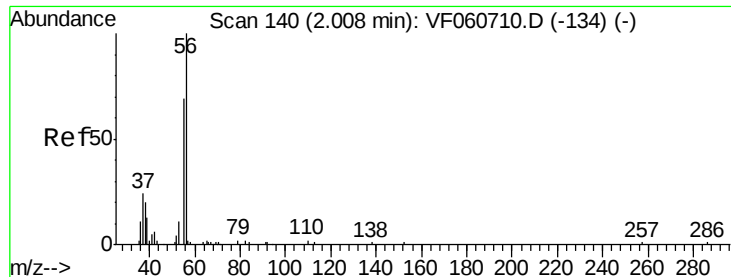
59 100

57 153.2 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF060710.D (-192) (-)





#13

Acrolein

Concen: 3.718 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.16 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

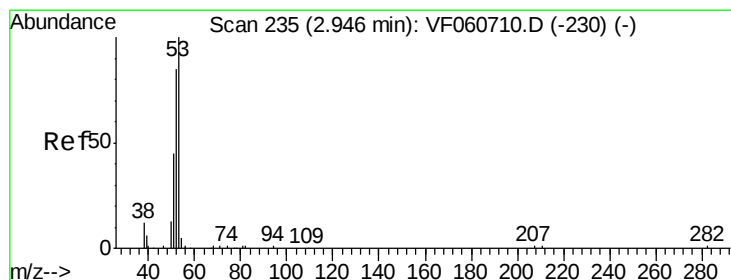
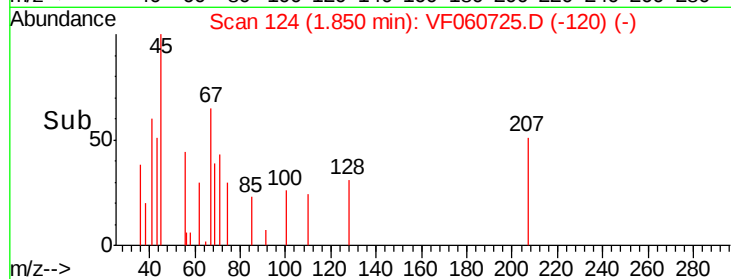
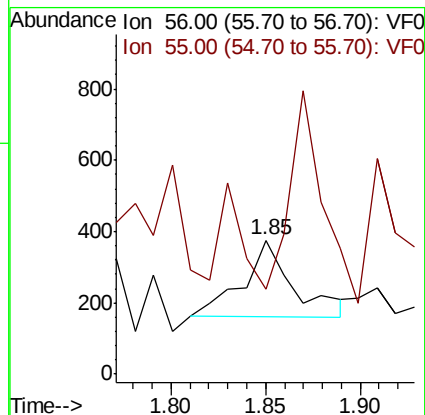
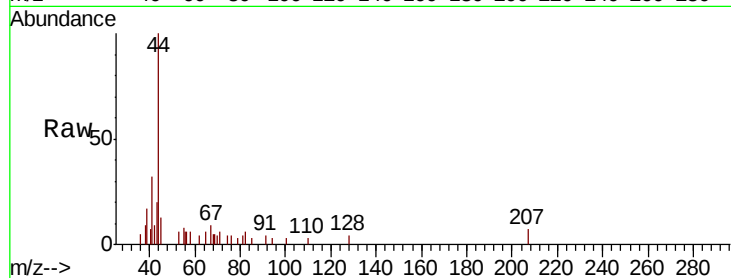
EP2-SB-111(22-24)

Tgt Ion: 56 Resp: 399

Ion Ratio Lower Upper

56 100

55 64.0 56.6 85.0



#15

Acrylonitrile

Concen: 2.295 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

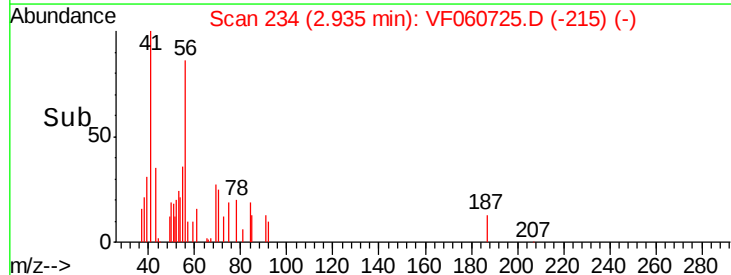
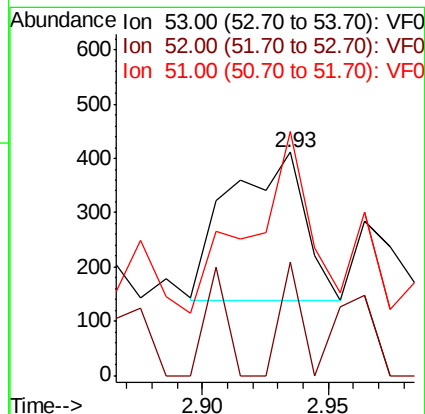
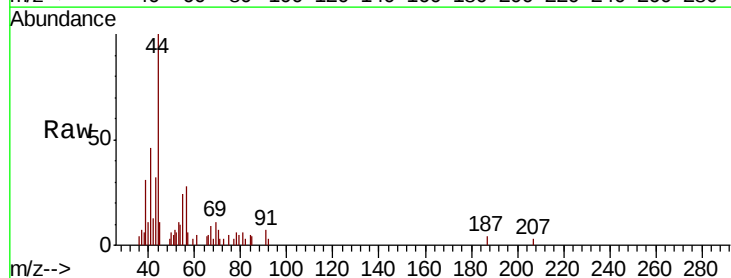
Tgt Ion: 53 Resp: 574

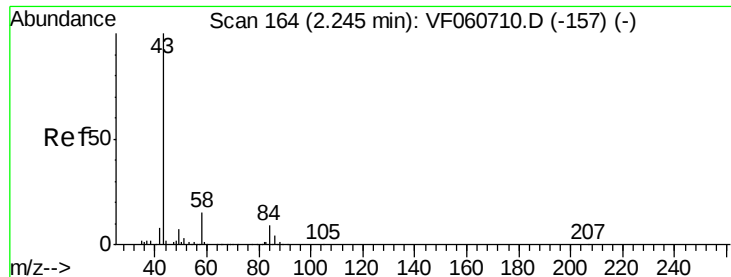
Ion Ratio Lower Upper

53 100

52 51.1 68.8 103.2#

51 109.2 36.7 55.1#





#16

Acetone

Concen: 31.832 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

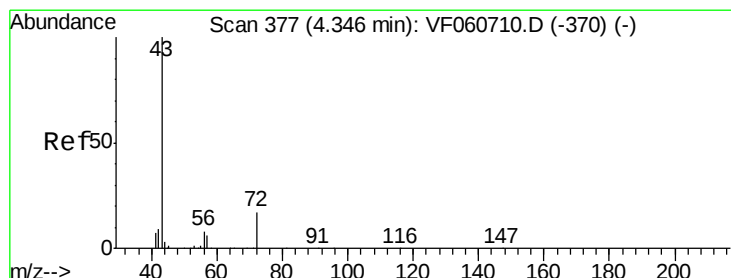
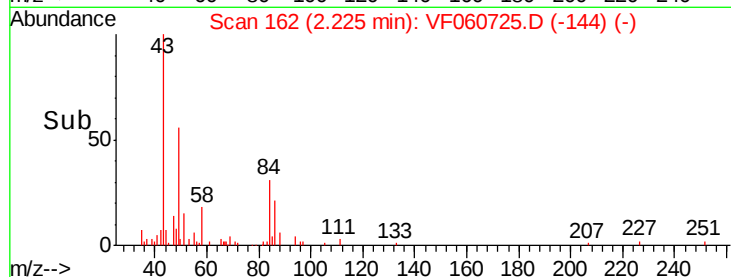
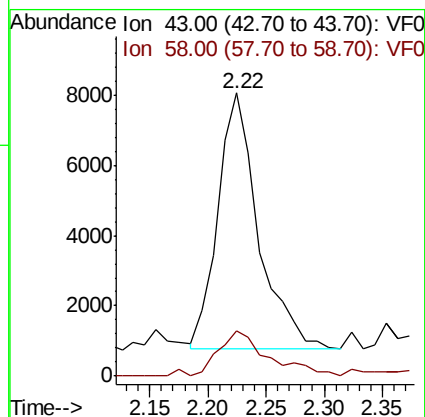
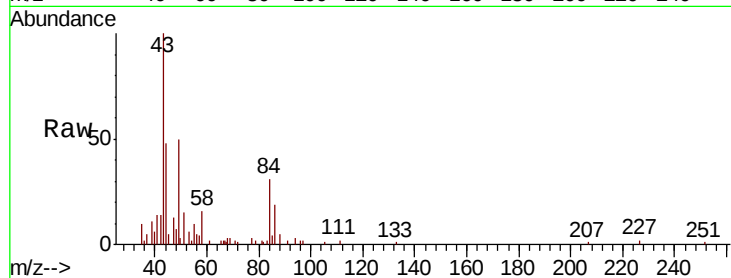
EP2-SB-111(22-24)

Tgt Ion: 43 Resp: 17546

Ion Ratio Lower Upper

43 100

58 16.1 11.6 17.4



#25

2-Butanone

Concen: 3.269 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060725.D

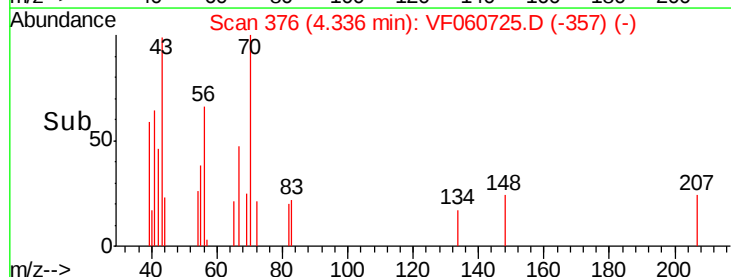
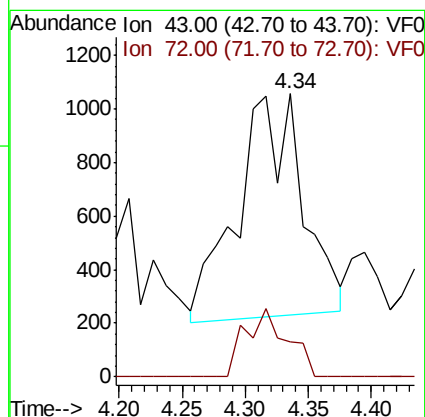
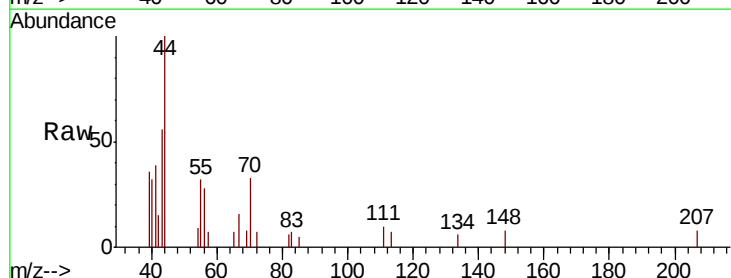
Acq: 14 Nov 2018 15:35

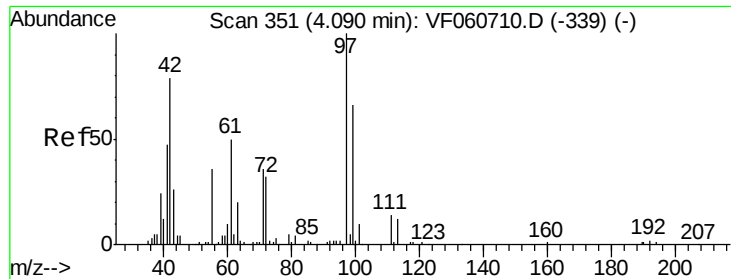
Tgt Ion: 43 Resp: 2964

Ion Ratio Lower Upper

43 100

72 12.2 16.1 24.1#





#29

Tetrahydrofuran

Concen: 2.385 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

EP2-SB-111(22-24)

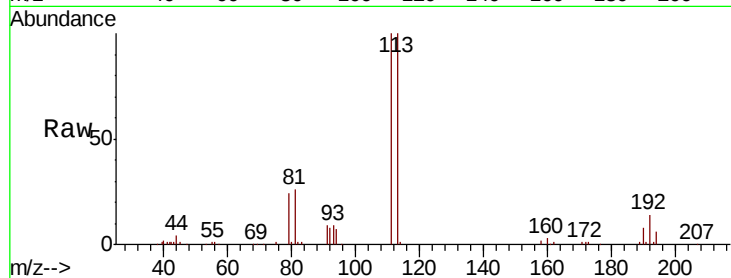
Tgt Ion: 42 Resp: 892

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

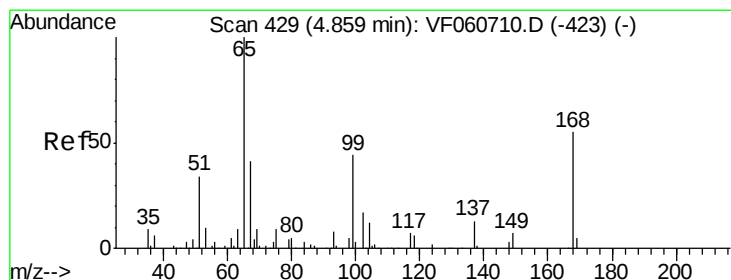
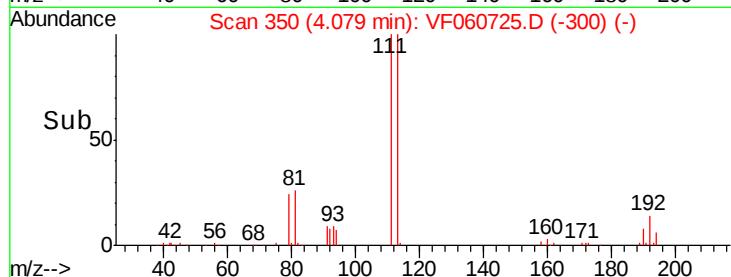
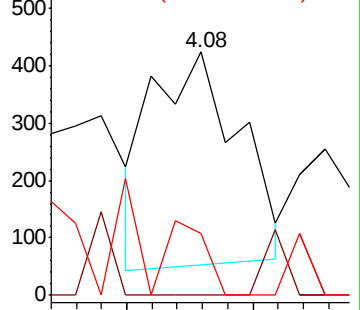
71 0.0 32.2 48.2#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 50.829 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF060725.D

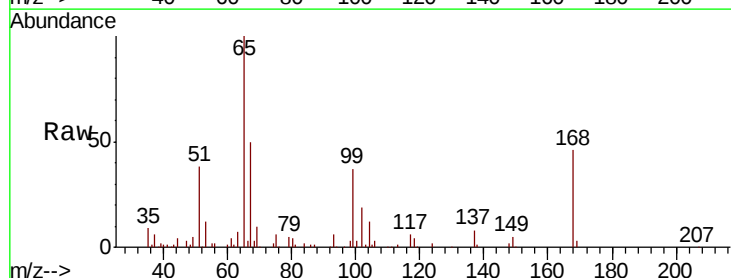
Acq: 14 Nov 2018 15:35

Tgt Ion: 65 Resp: 131077

Ion Ratio Lower Upper

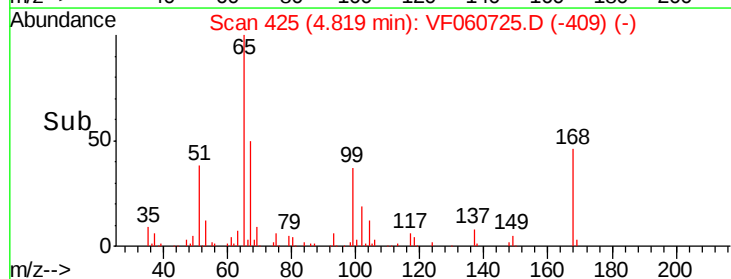
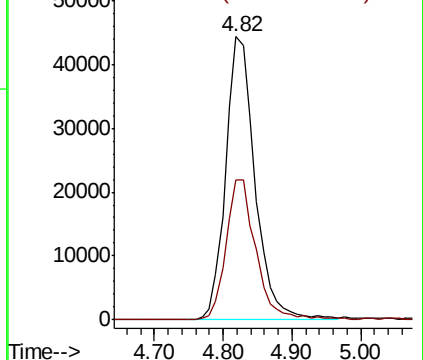
65 100

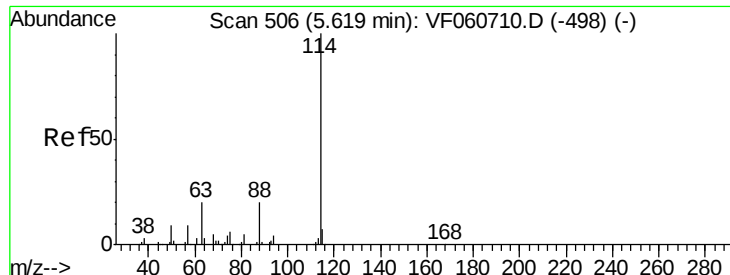
67 49.6 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

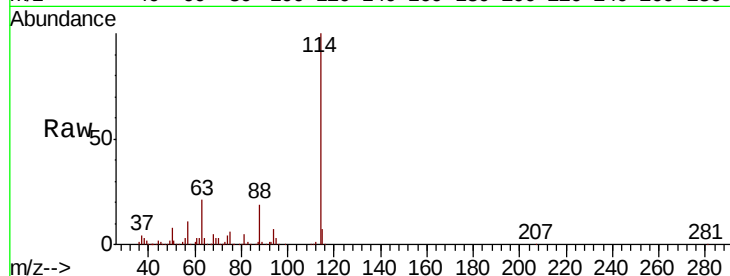




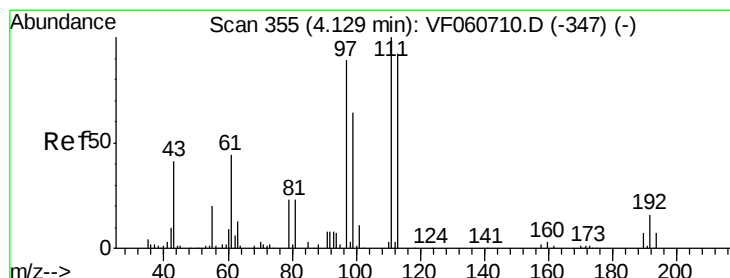
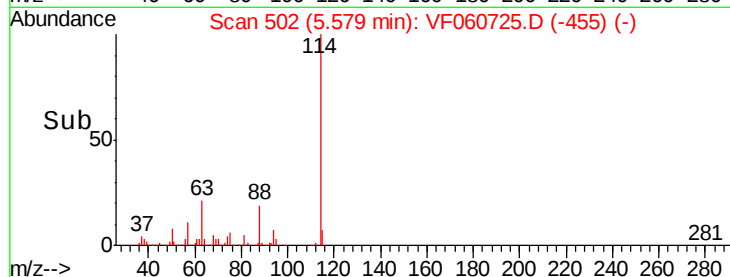
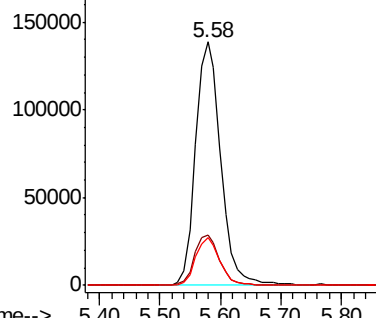
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.04 min
 Lab File: VF060725.D
 Acq: 14 Nov 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 EP2-SB-111(22-24)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	19.5	0.0	39.6

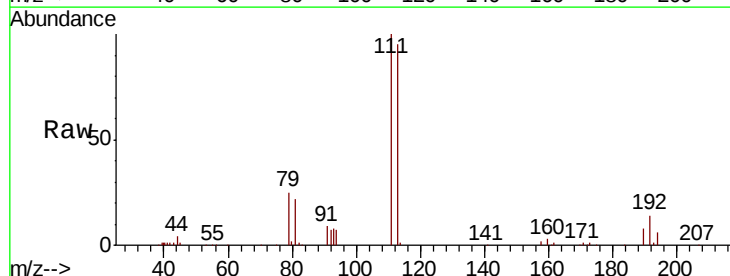


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

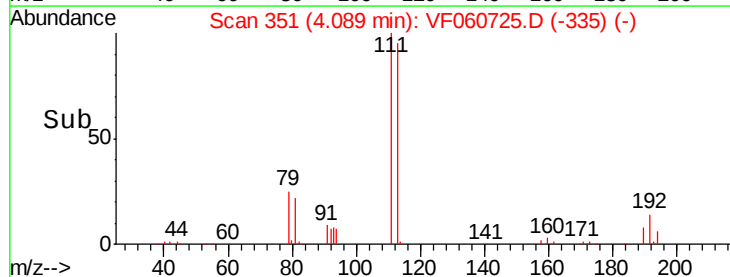
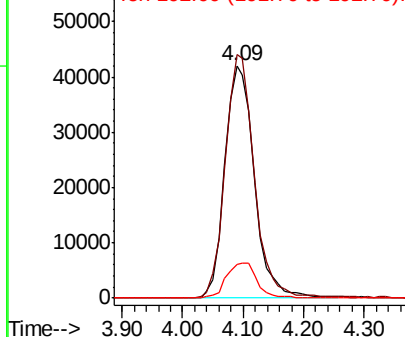


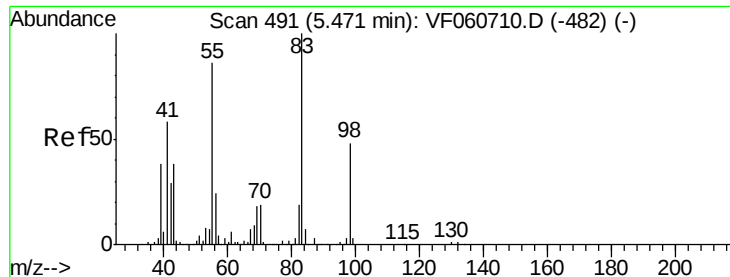
#35
 Dibromofluoromethane
 Concen: 47.293 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.04 min
 Lab File: VF060725.D
 Acq: 14 Nov 2018 15:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	87.1	130.7
192	15.3	13.8	20.6



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

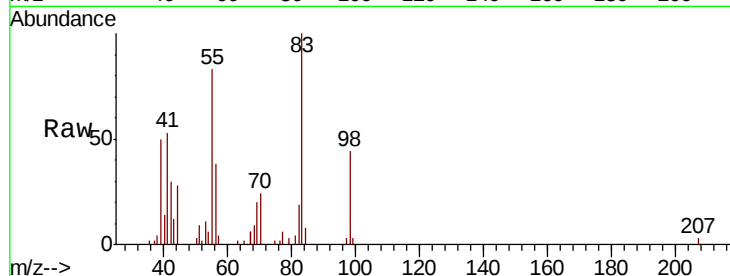




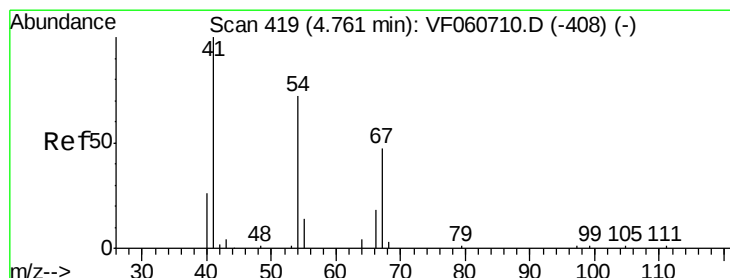
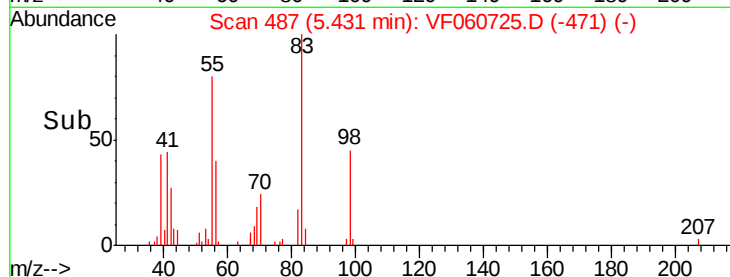
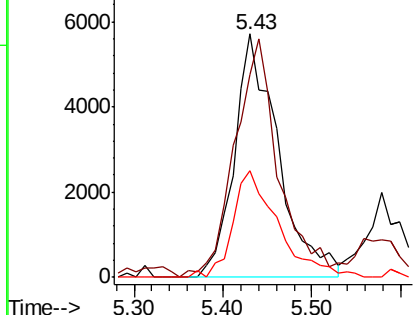
#39
Methylcyclohexane
Concen: 3.619 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.04 min
Lab File: VF060725.D
Acq: 14 Nov 2018 15:35

Instrument :
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ClientSampleId :
EP2-SB-111(22-24)

Tgt Ion: 83 Resp: 19517
Ion Ratio Lower Upper
83 100
55 83.4 69.0 103.4
98 43.9 38.5 57.7

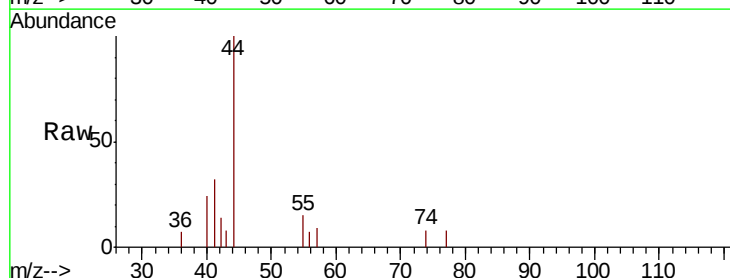


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

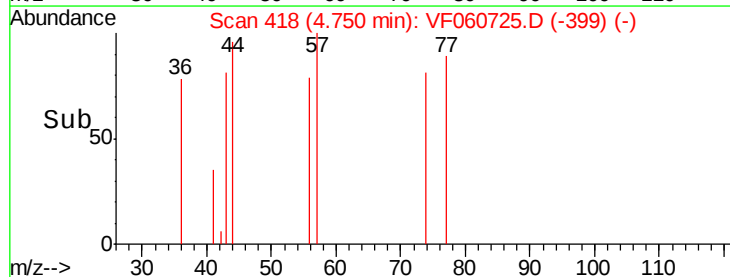
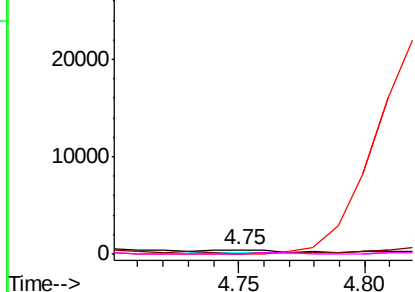


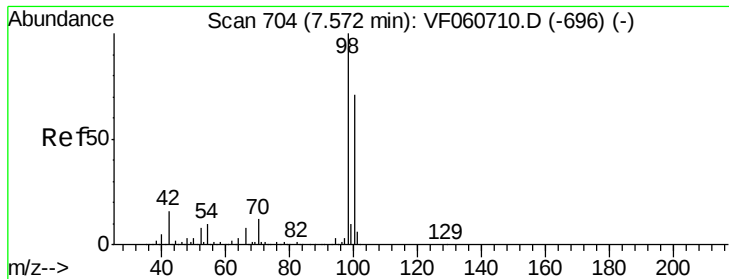
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF060725.D
Acq: 14 Nov 2018 15:35

Tgt Ion: 41 Resp: 381
Ion Ratio Lower Upper
41 100
39 0.0 47.1 70.7#
67 0.0 37.1 55.7#
52 0.0 39.3 58.9#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

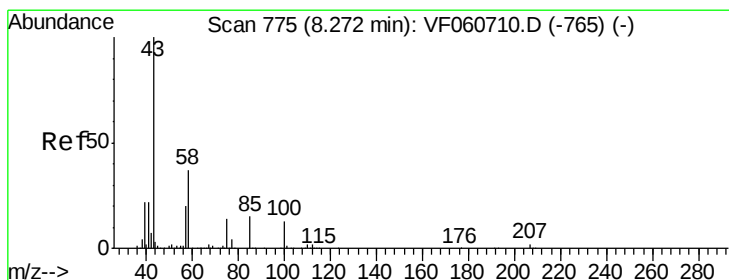
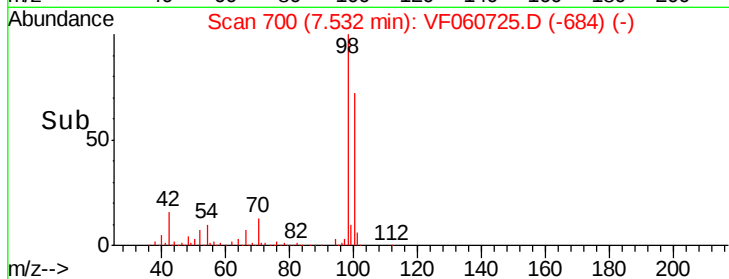
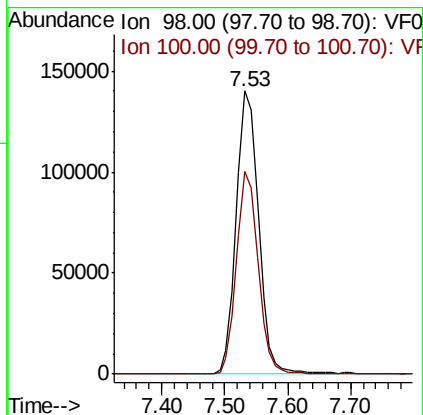
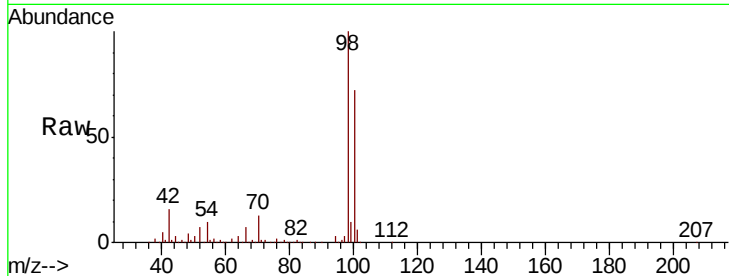




#50
Toluene-d8
Concen: 43.836 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF060725.D
Acq: 14 Nov 2018 15:35

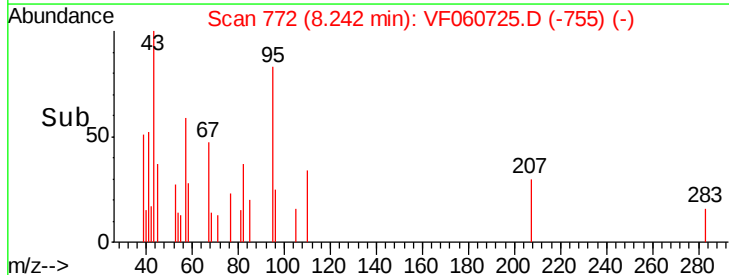
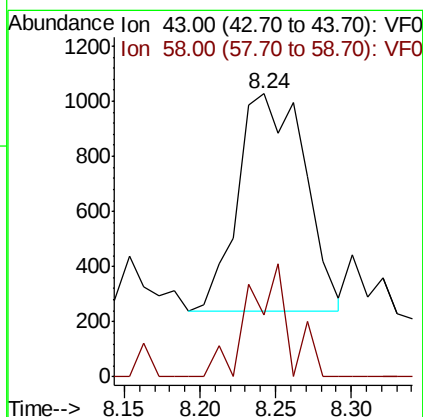
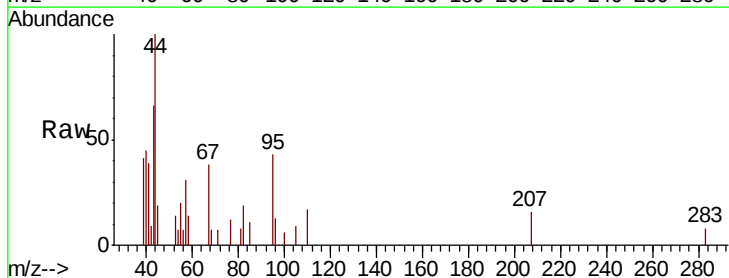
Instrument :
MSVOA_F
ClientSampleId :
EP2-SB-111(22-24)

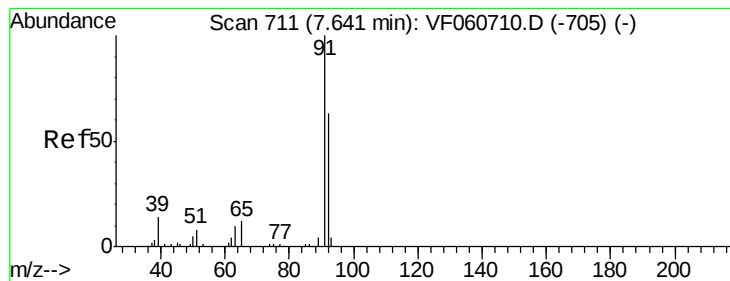
Tgt Ion: 98 Resp: 342458
Ion Ratio Lower Upper
98 100
100 71.7 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 1.469 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.03 min
Lab File: VF060725.D
Acq: 14 Nov 2018 15:35

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 21.8 29.2 43.8#





#58

2-Chloroethyl Vinyl ether

Concen: 1.652 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.05 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

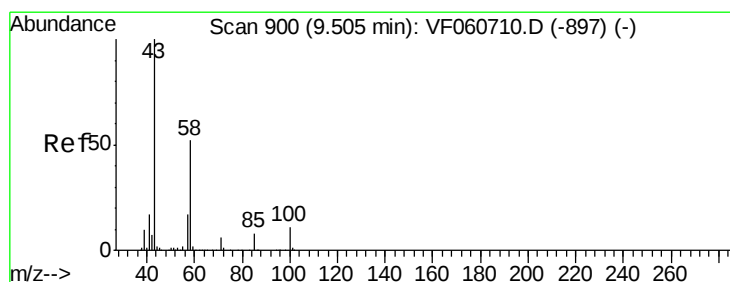
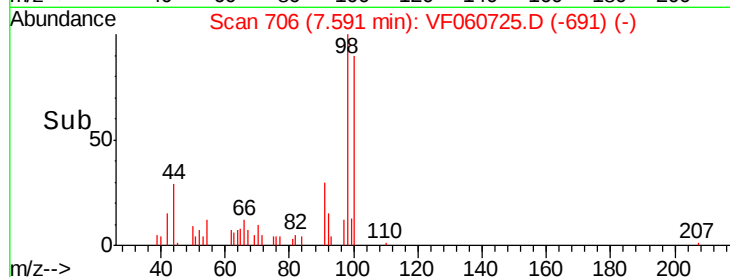
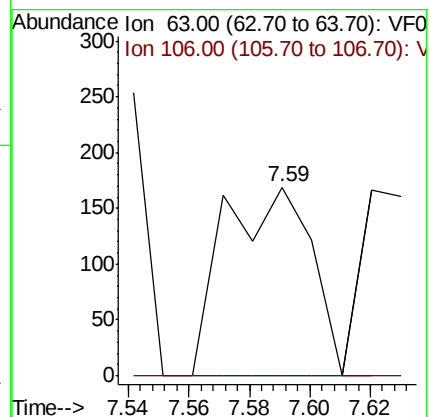
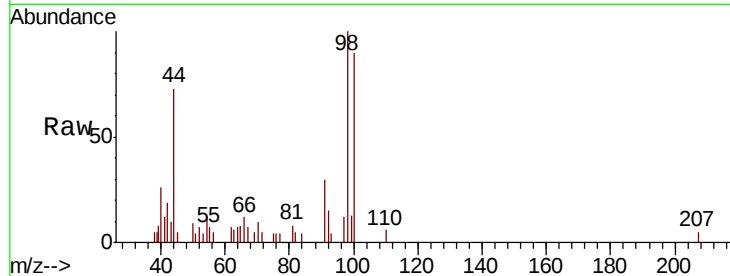
EP2-SB-111(22-24)

Tgt Ion: 63 Resp: 340

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



#59

2-Hexanone

Concen: 3.140 ug/l

RT: 9.47 min Scan# 896

Delta R.T. -0.04 min

Lab File: VF060725.D

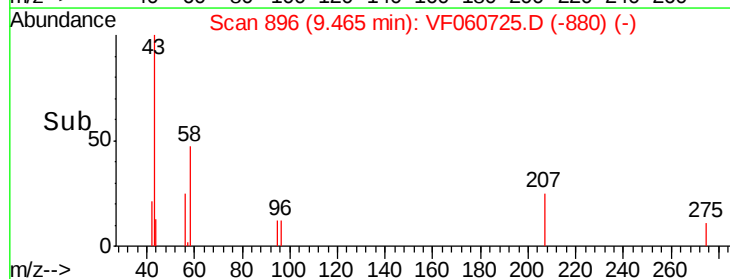
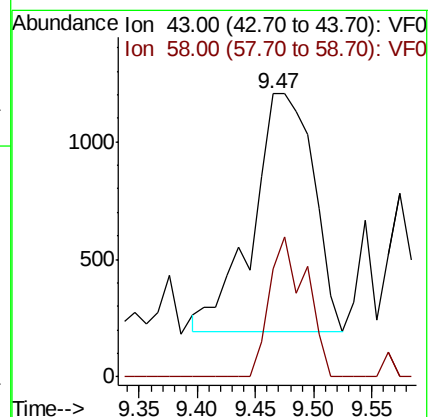
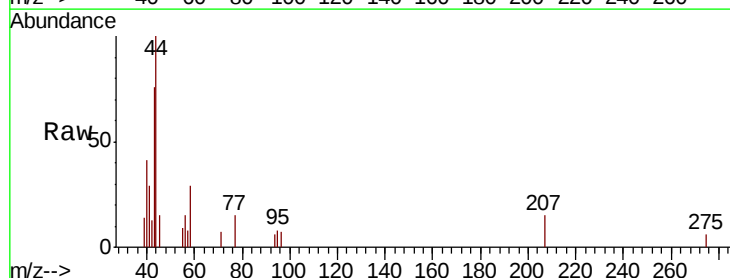
Acq: 14 Nov 2018 15:35

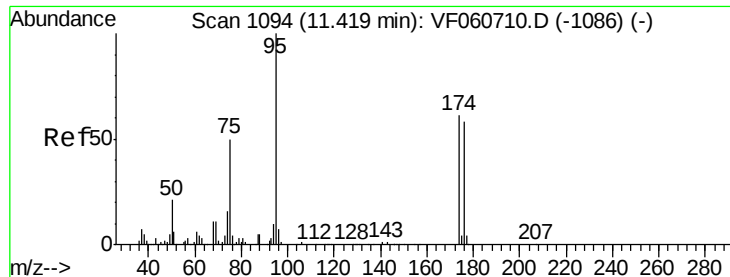
Tgt Ion: 43 Resp: 3658

Ion Ratio Lower Upper

43 100

58 38.1 24.9 74.7





#62

4-Bromofluorobenzene

Concen: 48.324 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

EP2-SB-111(22-24)

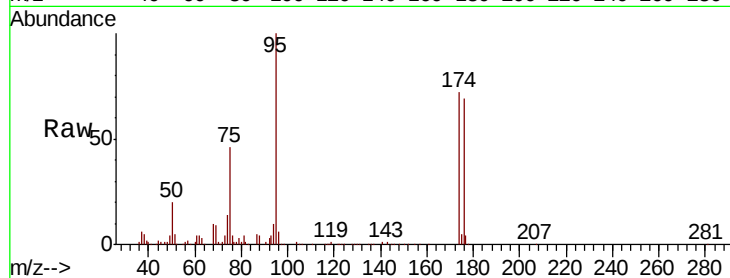
Tgt Ion: 95 Resp: 172799

Ion Ratio Lower Upper

95 100

174 71.9 0.0 121.6

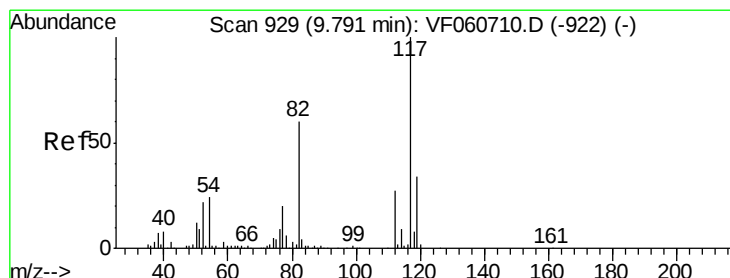
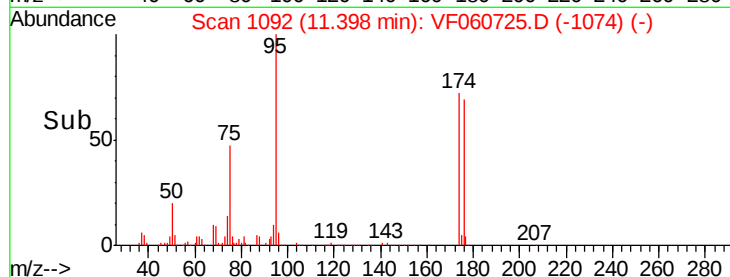
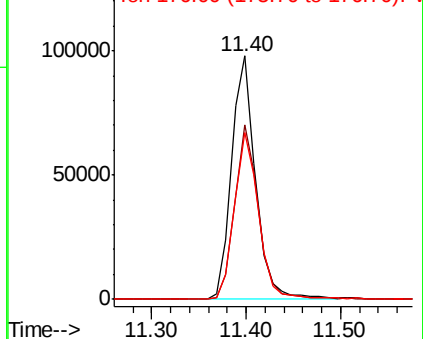
176 68.7 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

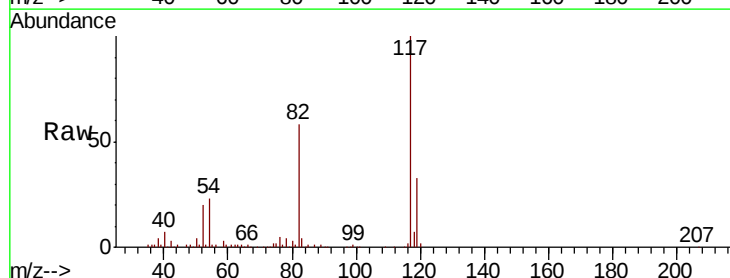
Tgt Ion: 117 Resp: 358405

Ion Ratio Lower Upper

117 100

82 58.3 47.9 71.9

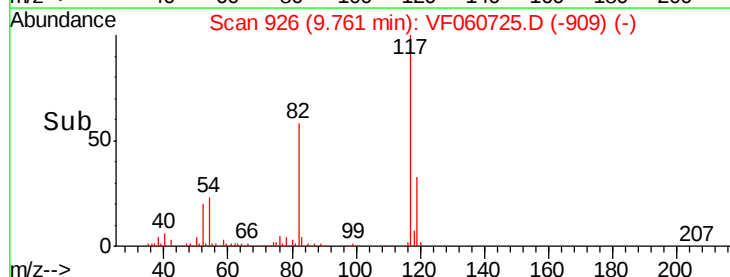
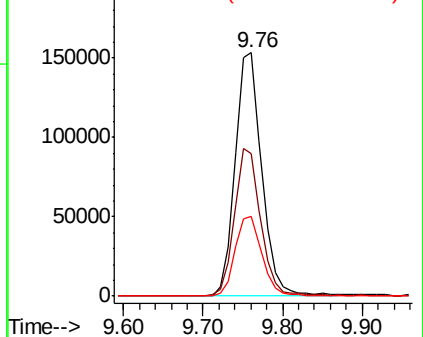
119 33.0 26.8 40.2

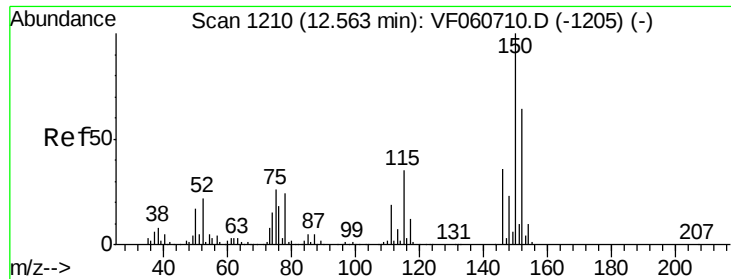


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF060725.D

Acq: 14 Nov 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

EP2-SB-111(22-24)

Tgt Ion:152 Resp: 209237

Ion Ratio Lower Upper

152 100

115 52.9 27.9 83.7

150 151.2 0.0 316.4

