

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060785.D
 Acq On : 19 Nov 2018 19:33
 Operator : VA/AP
 Sample : J5989-01RE
 Misc : 5.58g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ES-RO-343RE

Quant Time: Nov 20 02:19:30 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	4.87	168	148291	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	254714	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	181675	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	56829	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	78282	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
35) Dibromofluoromethane	4.12	113	88296	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
50) Toluene-d8	7.56	98	175844	34.66	ug/l	-0.01
Spiked Amount			Recovery	=	69.32%	
62) 4-Bromofluorobenzene	11.41	95	61179	24.98	ug/l	0.00
Spiked Amount			Recovery	=	49.96%	

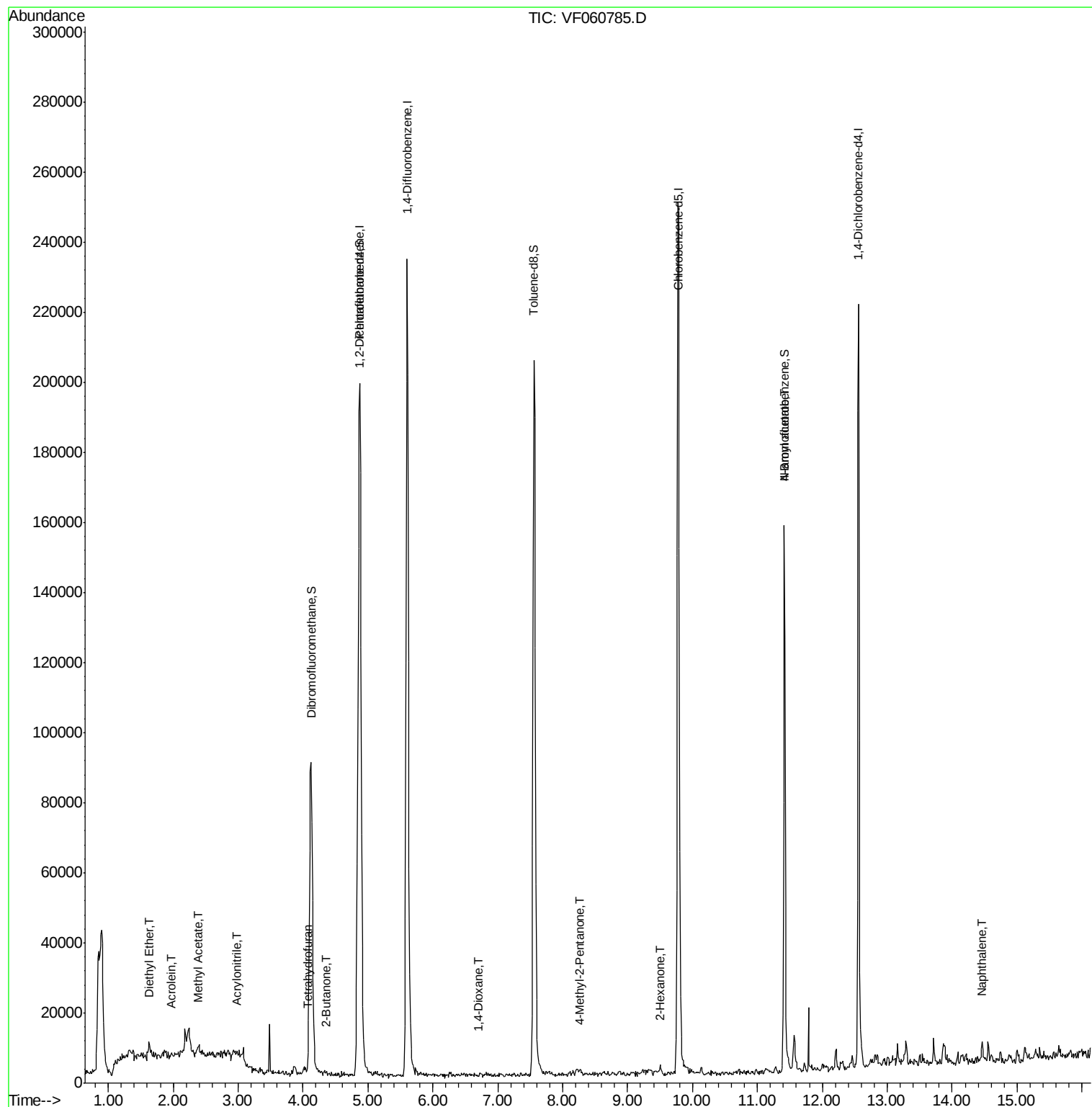
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	940	2.253	ug/l	83
13) Acrolein	1.97	56	593	8.425	ug/l #	58
15) Acrylonitrile	2.98	53	476	2.902	ug/l #	4
18) Methyl Acetate	2.37	43	625	1.053	ug/l #	64
25) 2-Butanone	4.35	43	1410	2.371	ug/l #	56
29) Tetrahydrofuran	4.07	42	309	1.260	ug/l #	36
41) Methacrylonitrile	4.74	41	700	Below Cal	#	56
49) 1,4-Dioxane	6.70	88	86	9.542	ug/l #	19
51) 4-Methyl-2-Pentanone	8.26	43	2311	2.194	ug/l #	81
59) 2-Hexanone	9.51	43	3679	4.971	ug/l	66
74) N-amyl acetate	11.40	43	1302	1.250	ug/l #	1
95) Naphthalene	14.46	128	2840	1.214	ug/l #	95

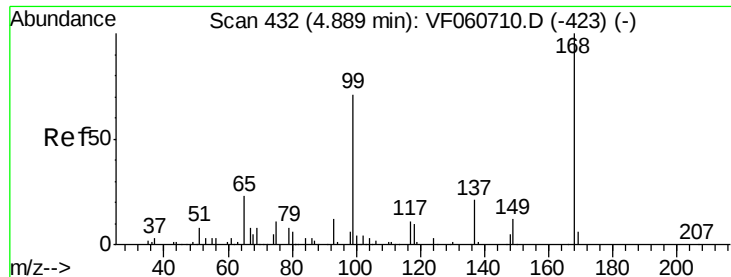
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111918\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

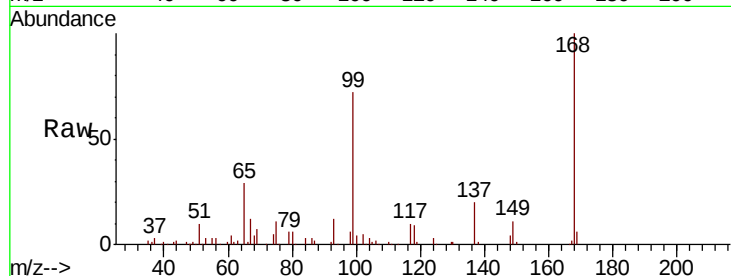
ES-RO-343RE

Tot Ion:168 Resp: 148291

Ion Ratio Lower Upper

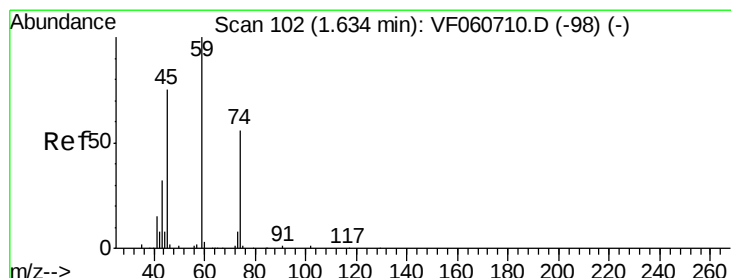
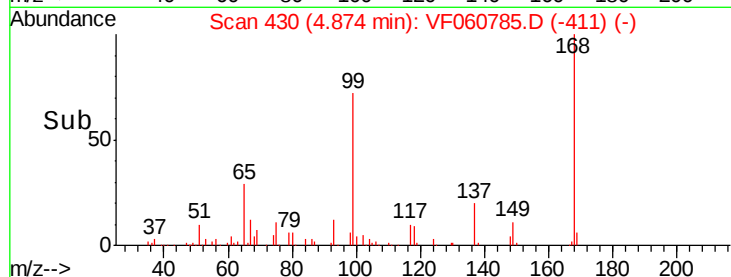
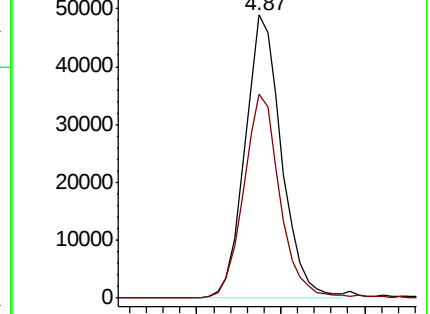
168 100

99 71.9 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 2.253 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF060785.D

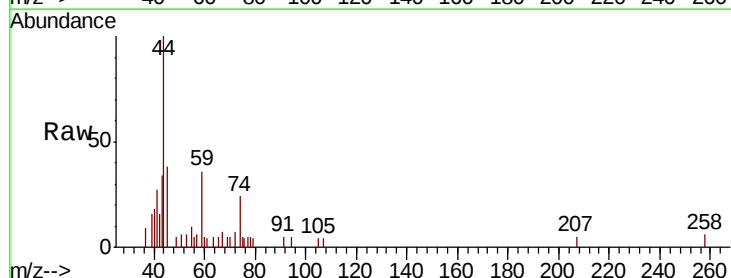
Acq: 19 Nov 2018 19:33

Tgt Ion: 74 Resp: 940

Ion Ratio Lower Upper

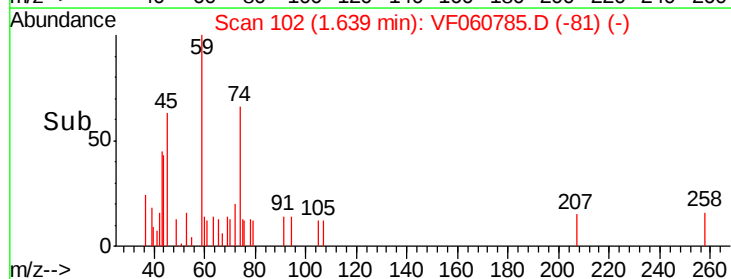
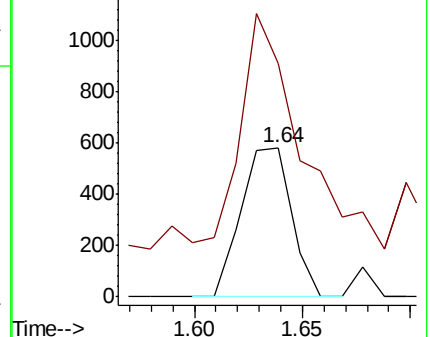
74 100

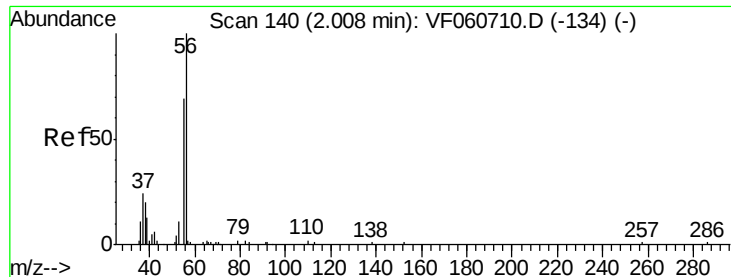
45 155.9 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#13

Acrolein

Concen: 8.425 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

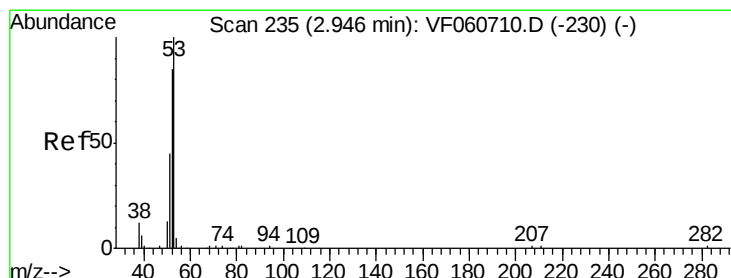
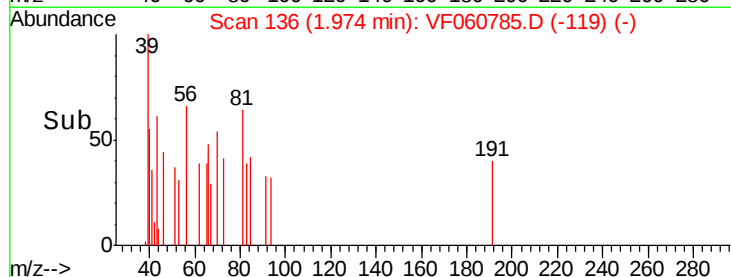
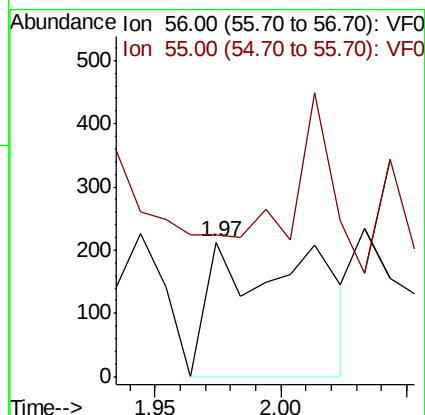
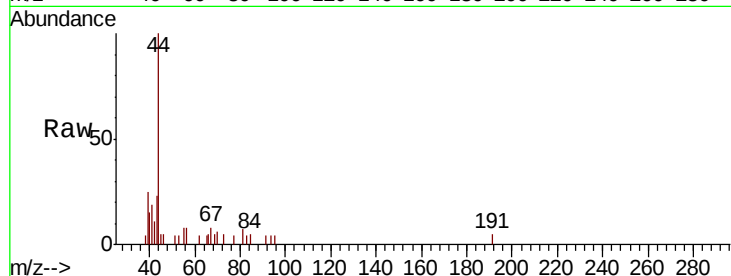
ES-RO-343RE

Tot Ion: 56 Resp: 593

Ion Ratio Lower Upper

56 100

55 105.7 56.6 85.0#



#15

Acrylonitrile

Concen: 2.902 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.03 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

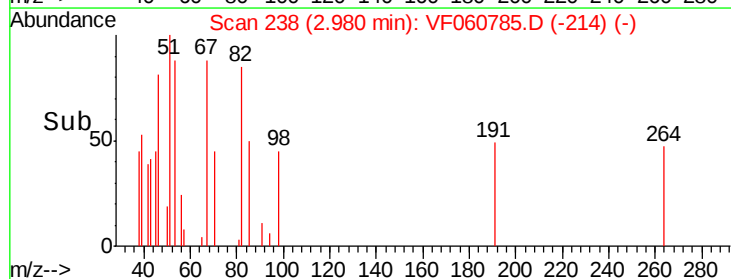
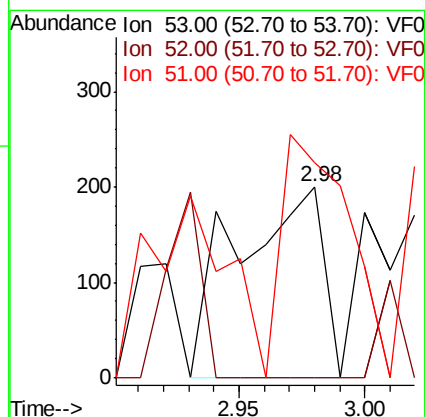
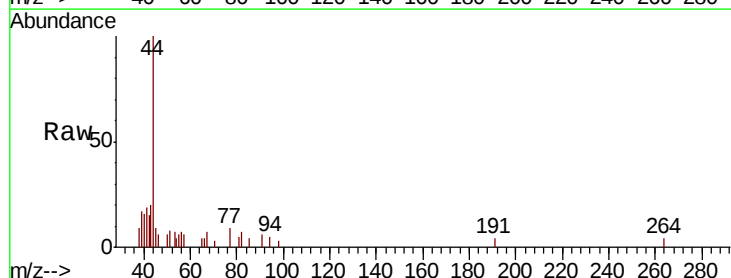
Tgt Ion: 53 Resp: 476

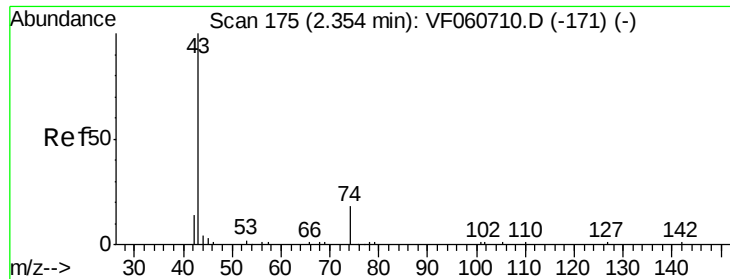
Ion Ratio Lower Upper

53 100

52 0.0 68.8 103.2#

51 113.0 36.7 55.1#

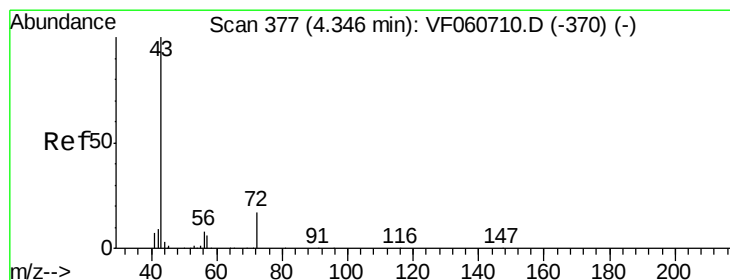
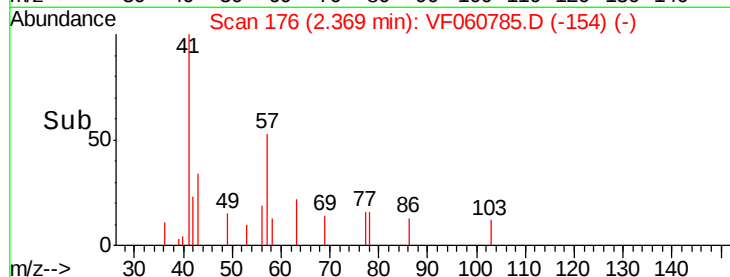
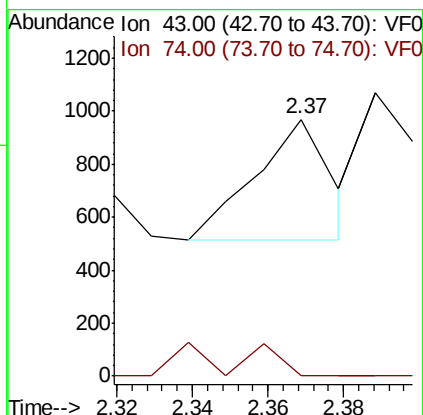
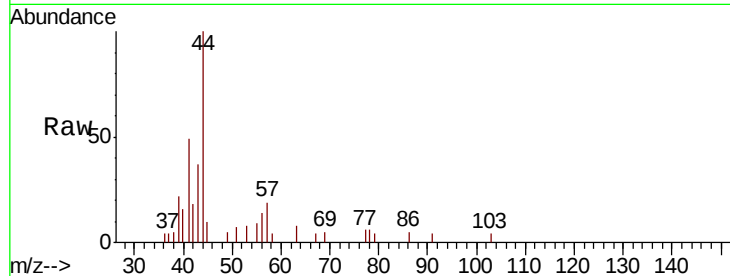




#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

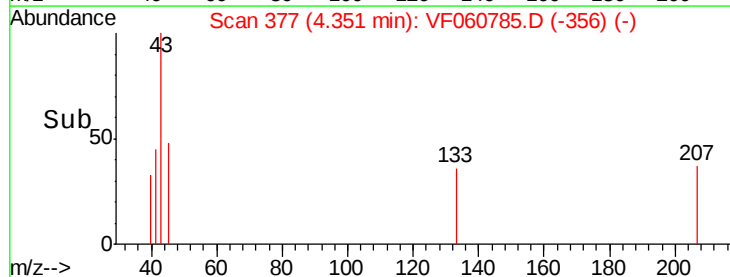
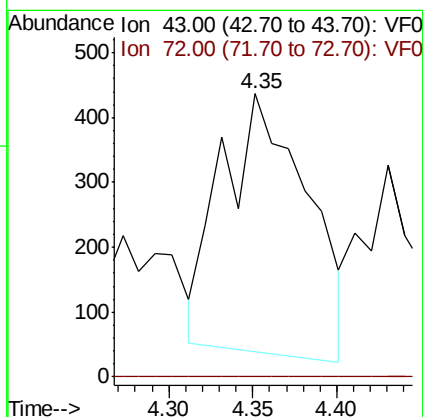
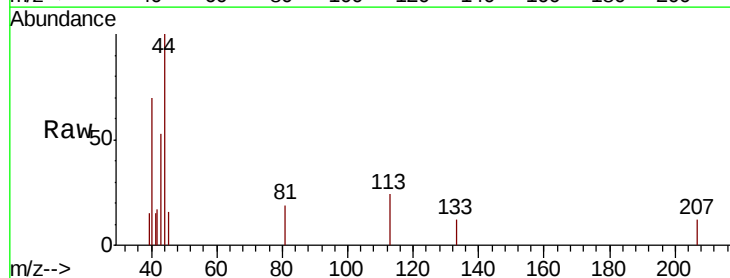
Instrument :
MSVOA_F
ClientSampleId :
ES-RO-343RE

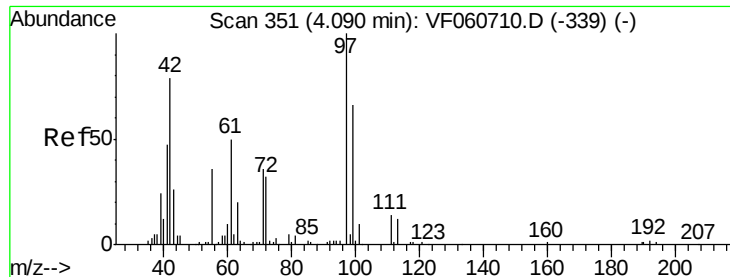
Tot Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#25
2-Butanone
Concen: 2.371 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#





#29

Tetrahydrofuran

Concen: 1.260 ug/l

RT: 4.07 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

ES-RO-343RE

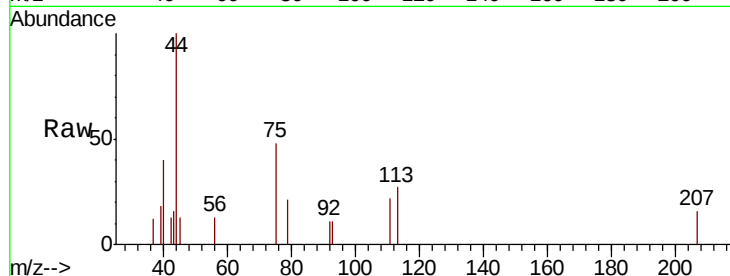
Tot Ion: 42 Resp: 309

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

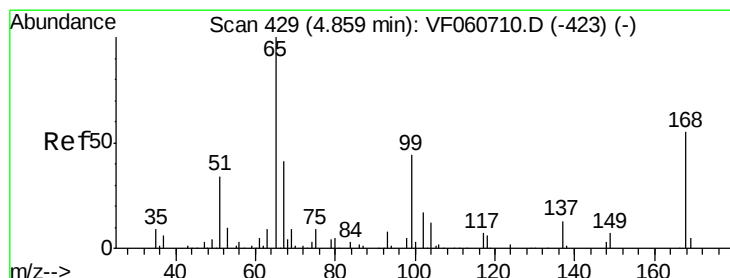
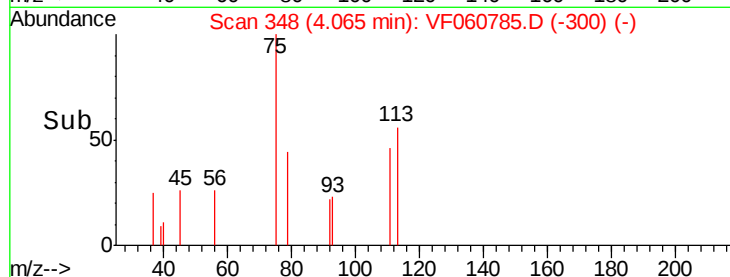
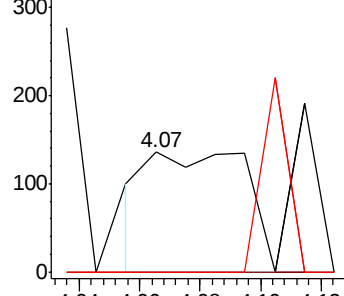
71 0.0 32.2 48.2#



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: 46.282 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF060785.D

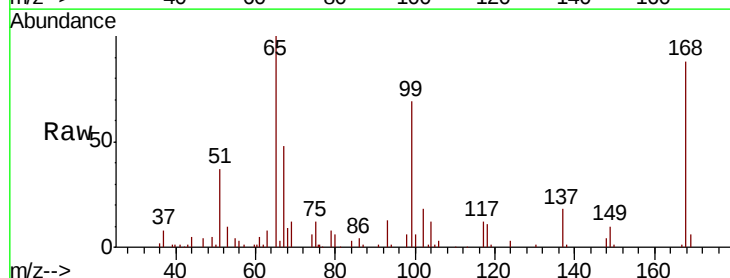
Acq: 19 Nov 2018 19:33

Tgt Ion: 65 Resp: 78282

Ion Ratio Lower Upper

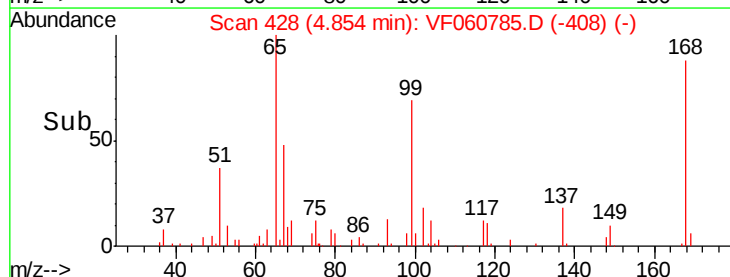
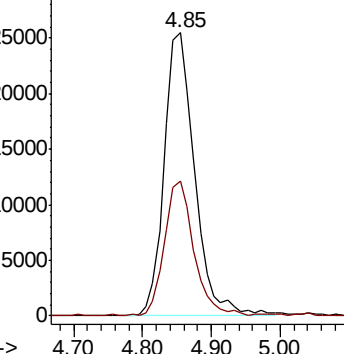
65 100

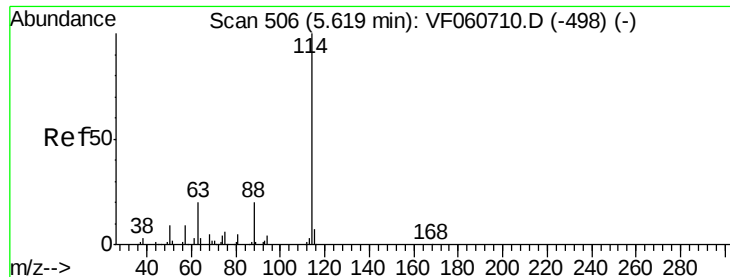
67 47.6 0.0 90.2



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: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

ES-RO-343RE

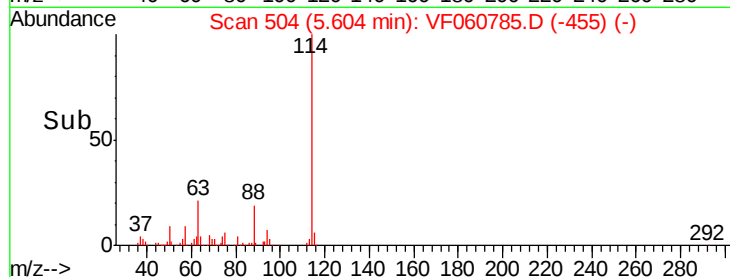
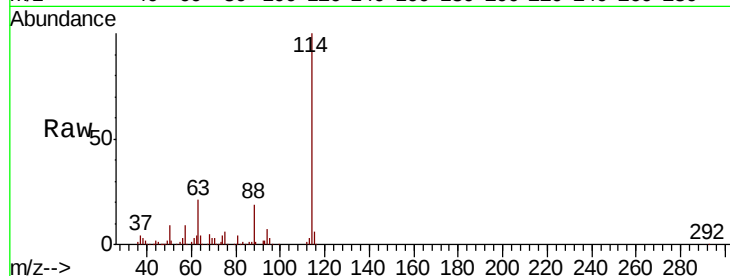
Tot Ion:114 Resp: 254714

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

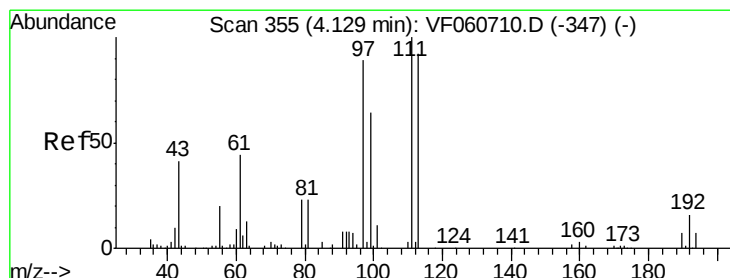
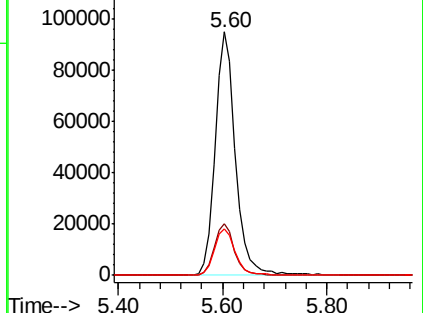
88 19.3 0.0 39.6



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: 46.116 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

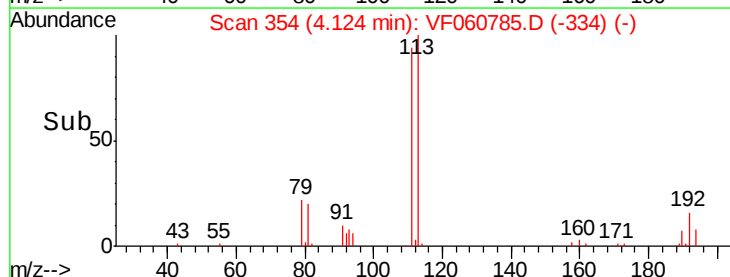
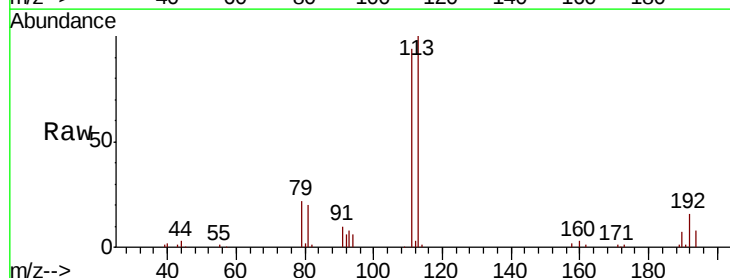
Tgt Ion:113 Resp: 88296

Ion Ratio Lower Upper

113 100

111 94.4 87.1 130.7

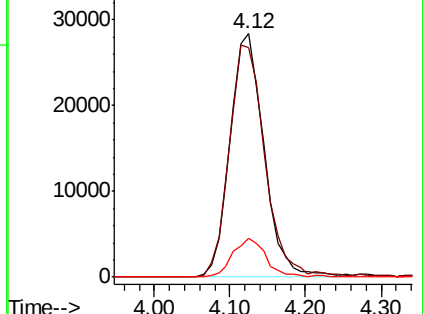
192 16.1 13.8 20.6

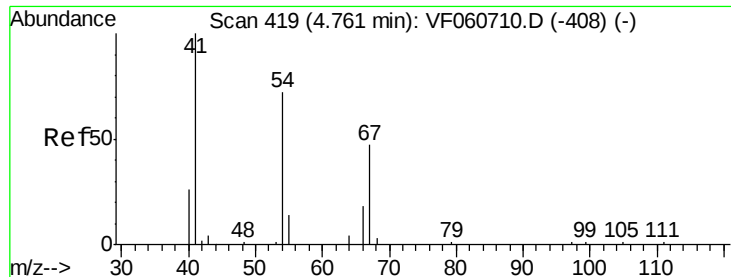


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

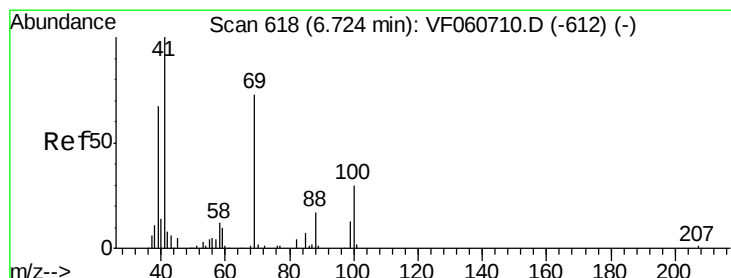
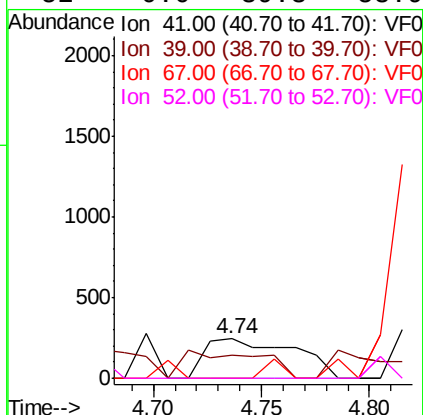
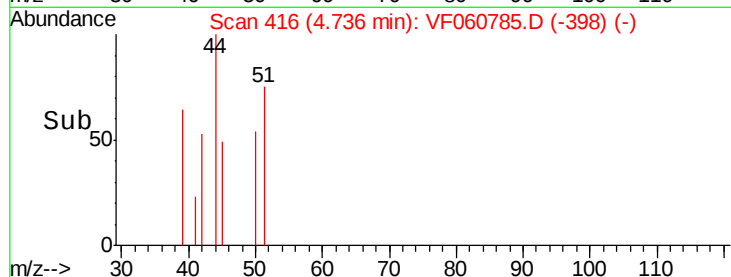
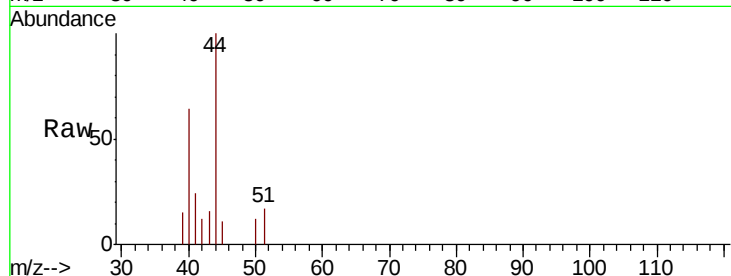




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.74 min Scan# 416
Delta R.T. -0.02 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

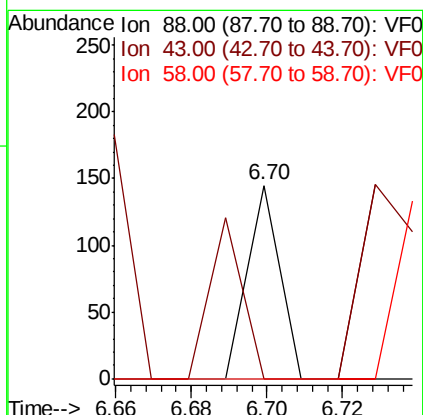
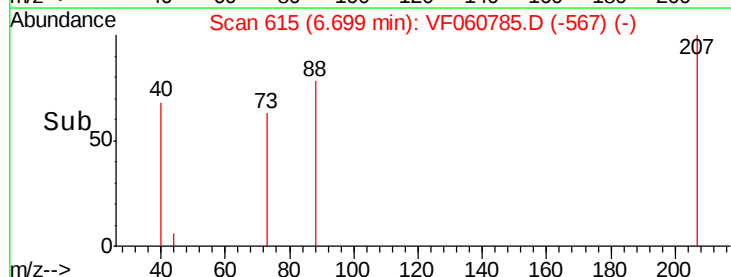
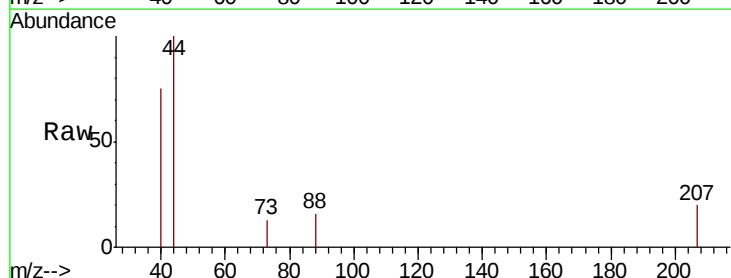
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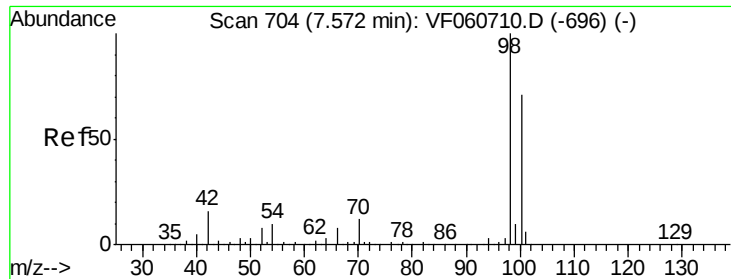
Tot Ion:	41	Resp:	700
Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.1	70.7
67	0.0	37.1	55.7#
52	0.0	39.3	58.9#



#49
1,4-Dioxane
Concen: 9.542 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

Tgt Ion:	88	Resp:	86
Ion	Ratio	Lower	Upper
88	100		
43	0.0	44.6	66.8#
58	0.0	54.5	81.7#





#50

Toluene-d8

Concen: 34.662 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

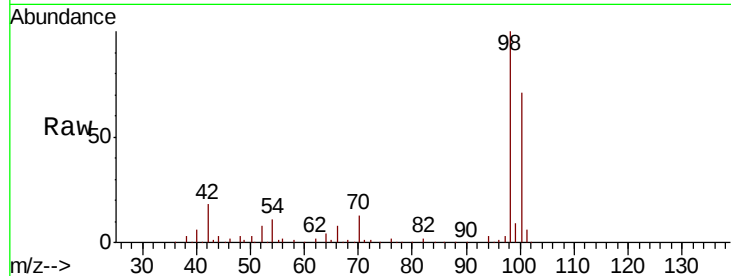
ES-RO-343RE

Tot Ion: 98 Resp: 175844

Ion Ratio Lower Upper

98 100

100 70.7 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

80000

60000

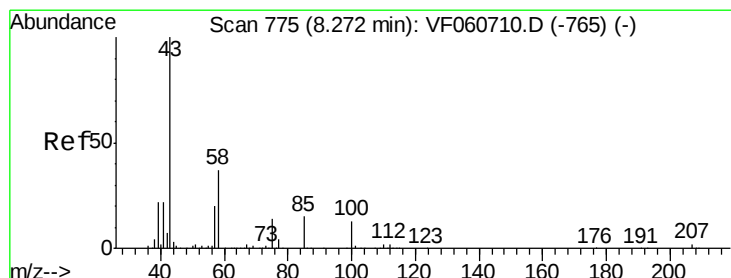
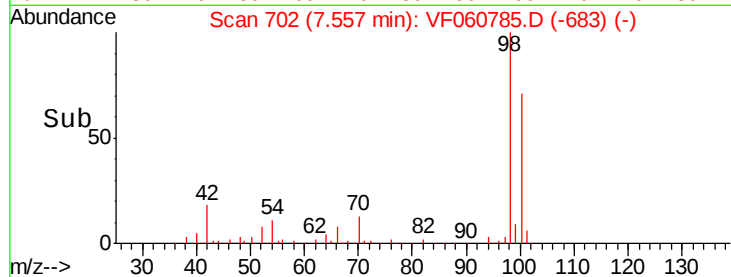
40000

20000

0

Time-->

7.40 7.50 7.60 7.70



#51

4-Methyl-2-Pentanone

Concen: 2.194 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF060785.D

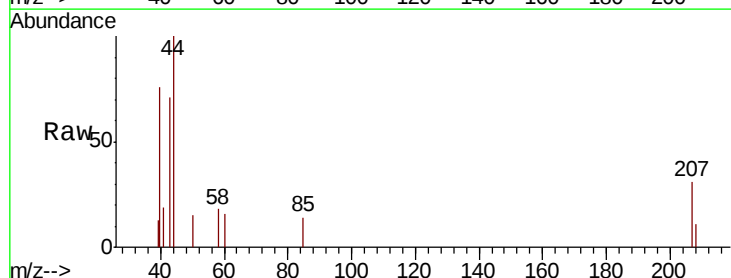
Acq: 19 Nov 2018 19:33

Tgt Ion: 43 Resp: 2311

Ion Ratio Lower Upper

43 100

58 25.3 29.2 43.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

600

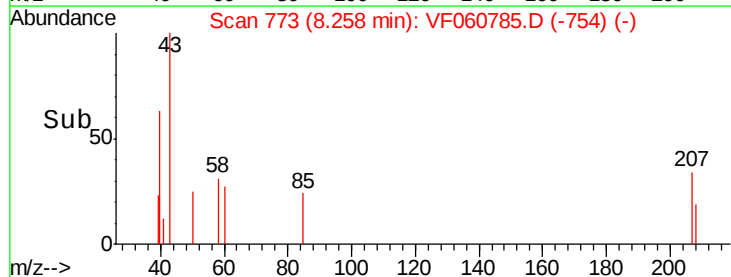
400

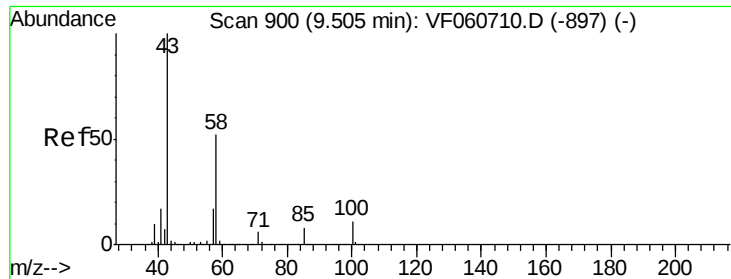
200

0

Time-->

8.10 8.20 8.30

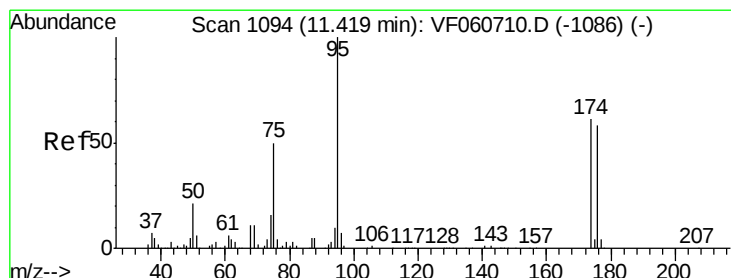
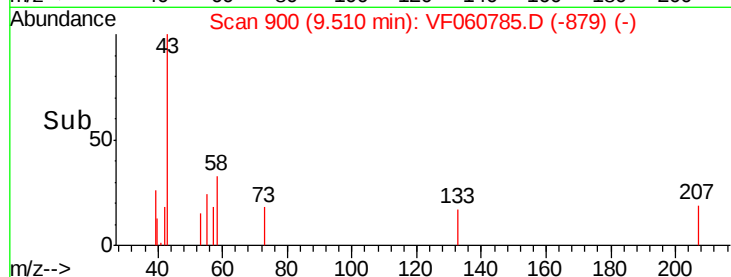
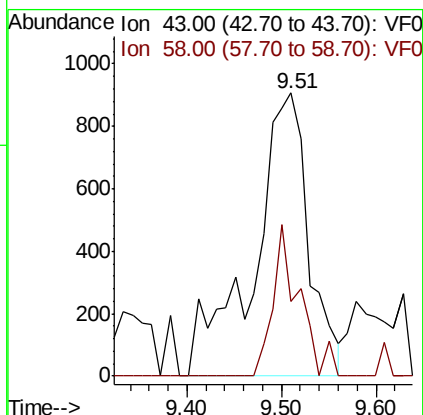
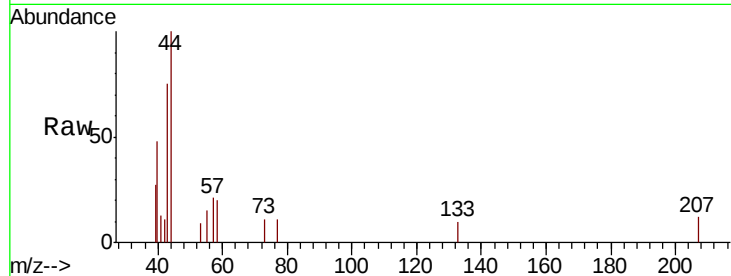




#59
2-Hexanone
Concen: 4.971 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

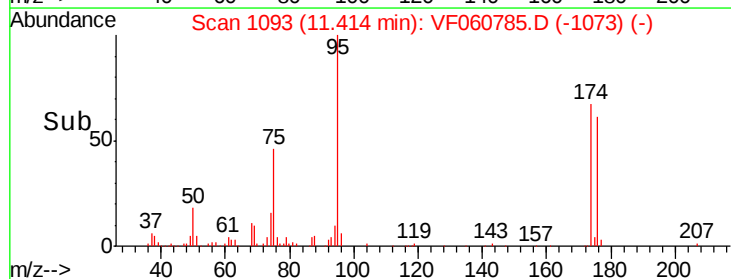
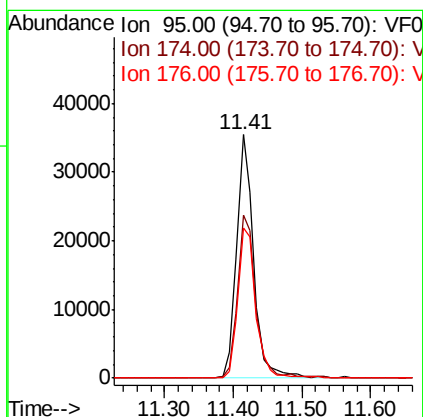
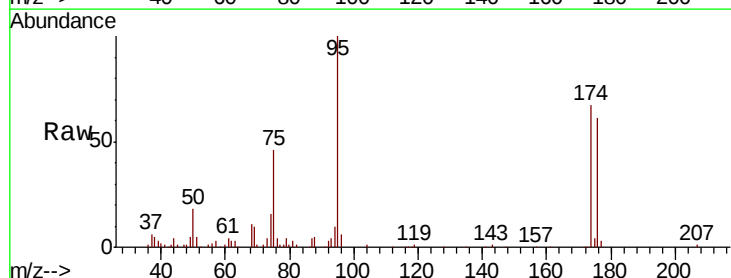
Instrument :
MSVOA_F
ClientSampleId :
ES-RO-343RE

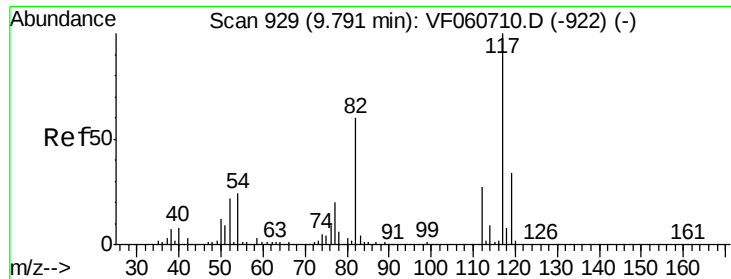
Tot Ion: 43 Resp: 3679
Ion Ratio Lower Upper
43 100
58 26.6 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 24.977 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

Tgt Ion: 95 Resp: 61179
Ion Ratio Lower Upper
95 100
174 67.1 0.0 121.6
176 61.5 0.0 115.2

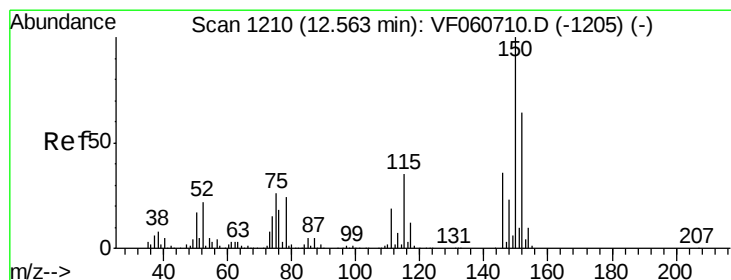
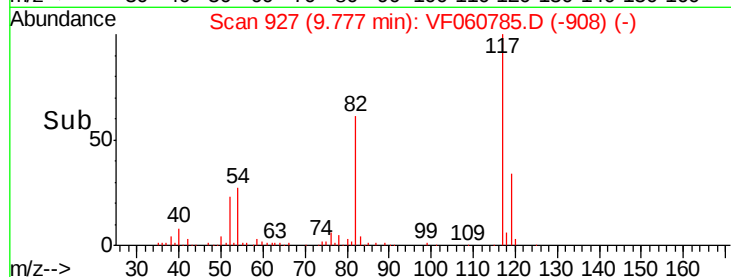
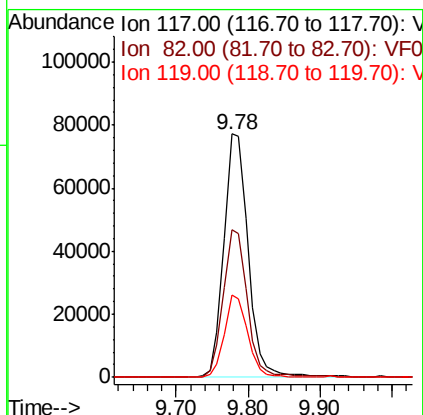
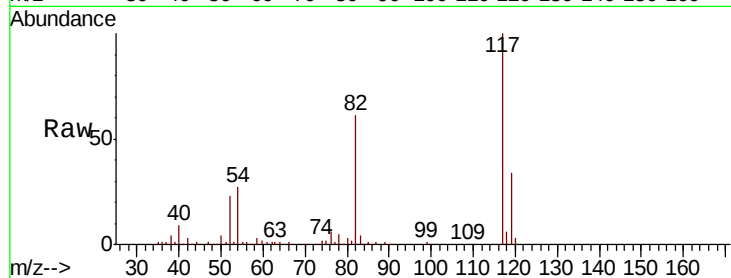




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

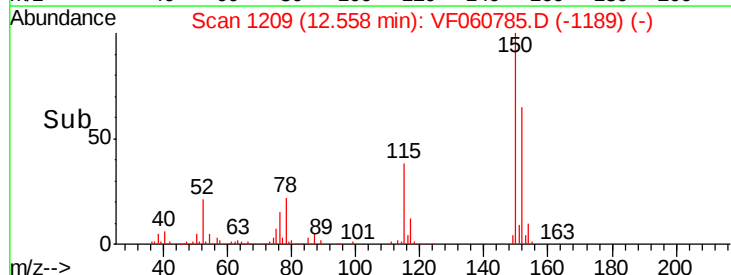
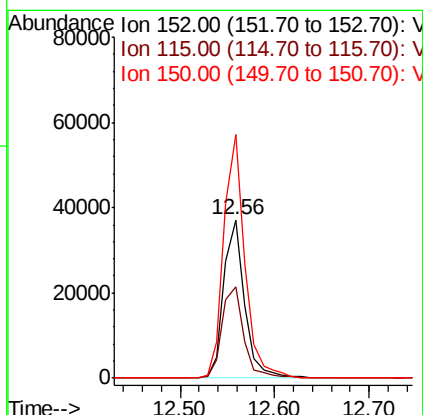
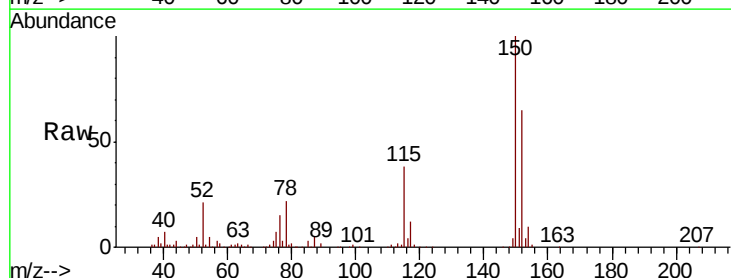
Instrument :
MSVOA_F
ClientSampleId :
ES-RO-343RE

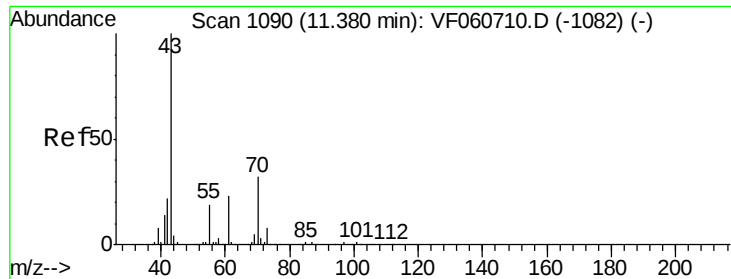
Tot Ion:117 Resp: 181675
Ion Ratio Lower Upper
117 100
82 60.6 47.9 71.9
119 33.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF060785.D
Acq: 19 Nov 2018 19:33

Tgt Ion:152 Resp: 56829
Ion Ratio Lower Upper
152 100
115 58.0 27.9 83.7
150 153.7 0.0 316.4





#74

N-amyl acetate

Concen: 1.250 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

ES-RO-343RE

Tot Ion: 43 Resp: 1302

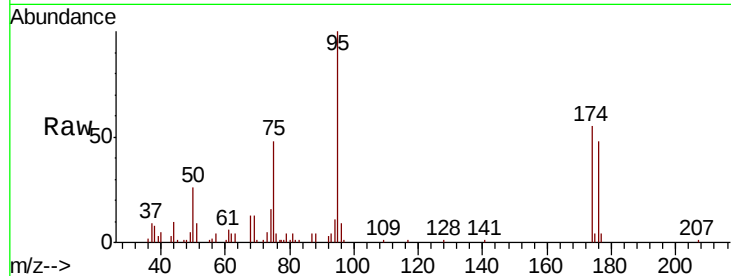
Ion Ratio Lower Upper

43 100

70 38.5 25.5 38.3#

55 25.7 14.9 22.3#

61 206.3 18.6 27.8#



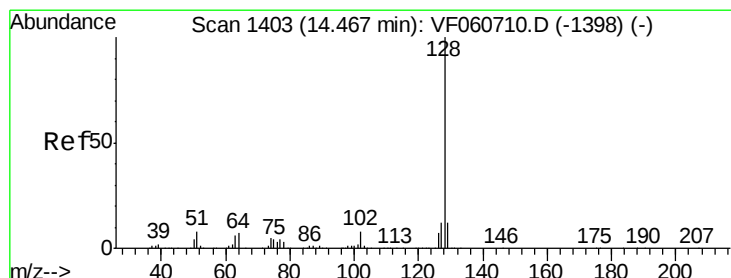
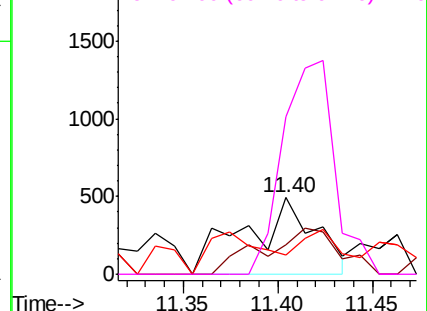
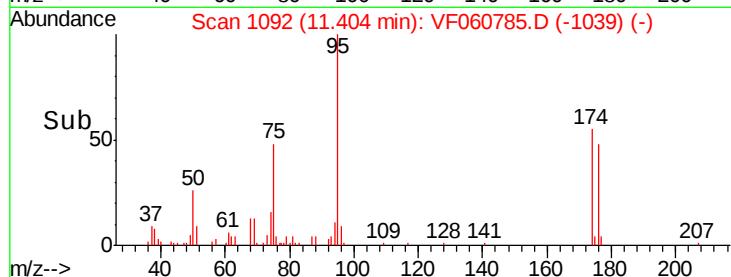
Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#95

Naphthalene

Concen: 1.214 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF060785.D

Acq: 19 Nov 2018 19:33

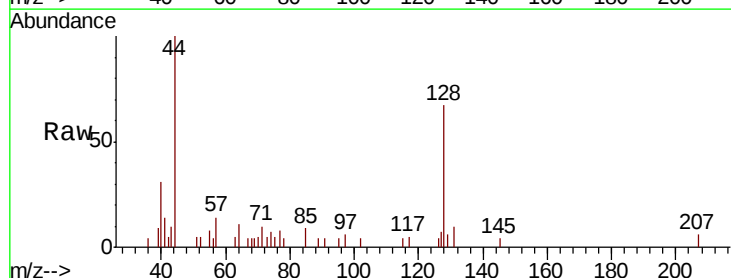
Tgt Ion: 128 Resp: 2840

Ion Ratio Lower Upper

128 100

127 11.2 9.8 14.6

129 8.5 9.3 13.9#



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

