

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090718\
 Data File : VF060215.D
 Acq On : 7 Sep 2018 17:26
 Operator : VA/AP
 Sample : J4809-01
 Misc : 5.52g/5mL/MSVOA_F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MS-DRUM-1-STONE

Quant Time: Sep 07 23:25:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	37657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	49841	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	48477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	29560	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	23791	36.16	ug/l	-0.01
Spiked Amount 50.000			Recovery =	72.32%		
35) Dibromofluoromethane	4.29	113	18676	38.25	ug/l	-0.01
Spiked Amount 50.000			Recovery =	76.50%		
50) Toluene-d8	7.71	98	45714	37.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	75.04%		
62) 4-Bromofluorobenzene	11.51	95	22245	32.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	64.72%		

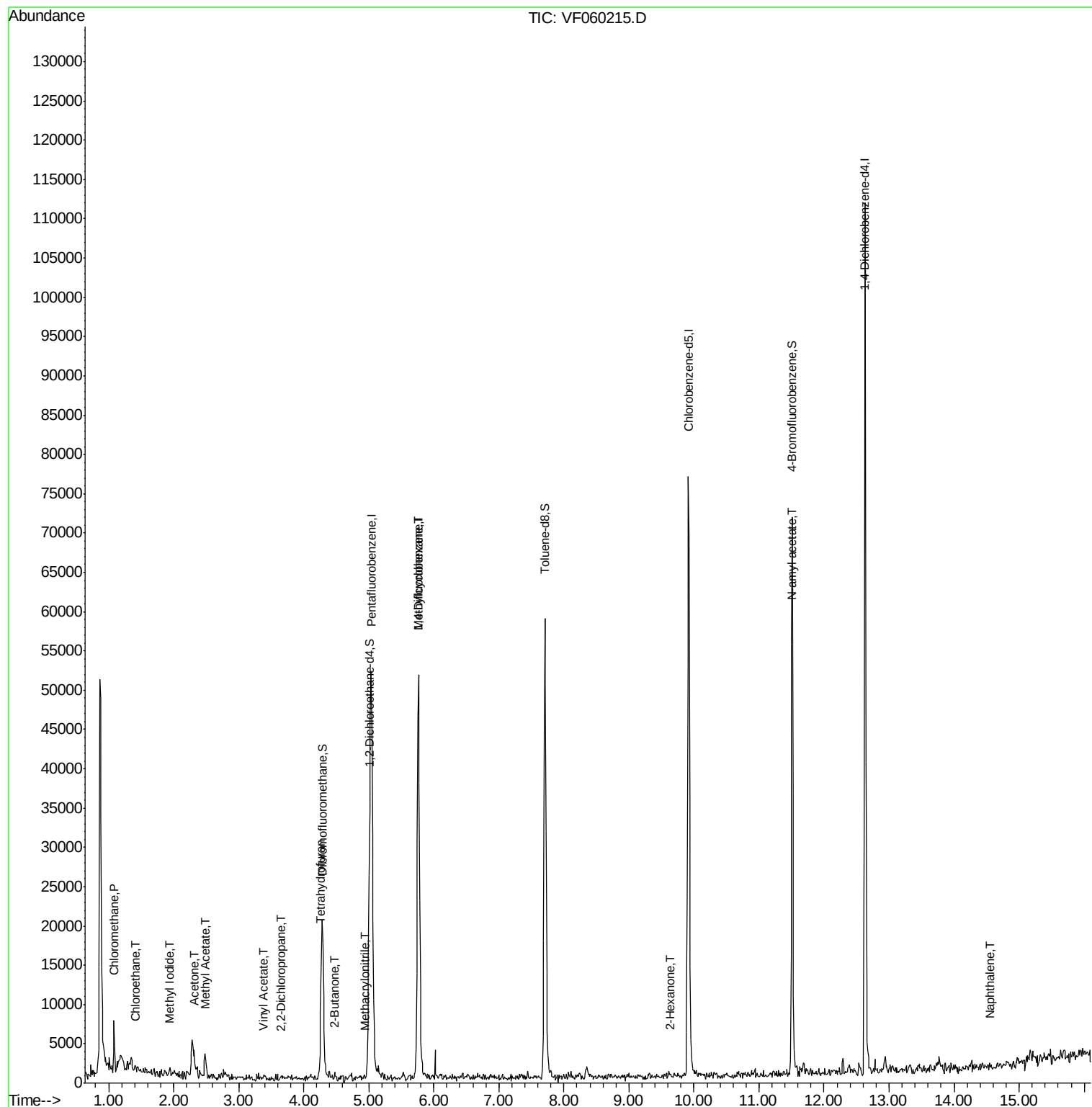
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	552	1.458	ug/l #	41
6) Chloroethane	1.42	64	512	2.740	ug/l #	41
10) Methyl Iodide	1.94	142	422	1.178	ug/l #	54
16) Acetone	2.31	43	978	17.339	ug/l #	69
18) Methyl Acetate	2.48	43	873	3.927	ug/l #	64
20) Methylene Chloride	2.28	84	2121	Below Cal		96
23) Vinyl Acetate	3.39	43	281	23.393	ug/l #	82
25) 2-Butanone	4.48	43	495	2.677	ug/l #	59
26) 2,2-Dichloropropane	3.66	77	96	2.134	ug/l #	64
29) Tetrahydrofuran	4.26	42	248	4.057	ug/l #	40
37) Ethyl Acetate	4.32	43	63	Below Cal	#	17
39) Methylcyclohexane	5.75	83	595	1.211	ug/l #	58
41) Methacrylonitrile	4.94	41	229	1.501	ug/l #	24
59) 2-Hexanone	9.64	43	593	1.448	ug/l #	34
74) N-amyl acetate	11.49	43	256	5.365	ug/l #	1
95) Naphthalene	14.54	128	124	2.715	ug/l #	70

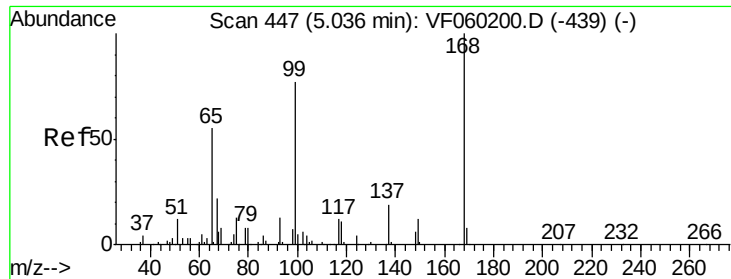
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

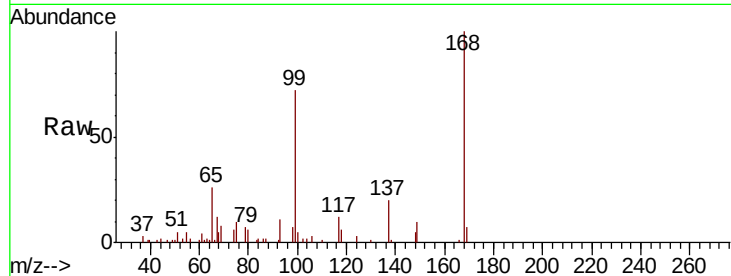
MS-DRUM-1-STONE

Tgt Ion: 168 Resp: 37657

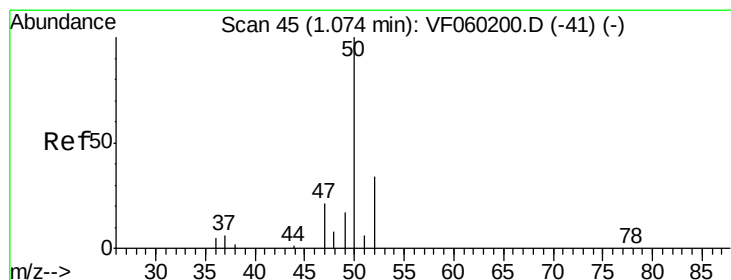
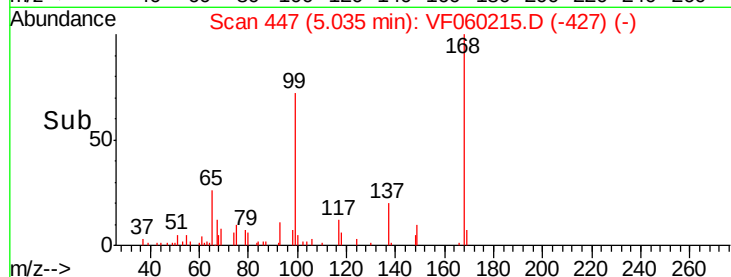
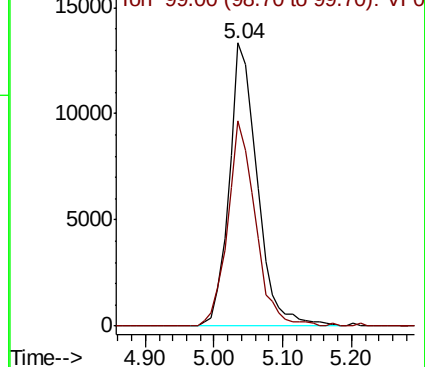
Ion Ratio Lower Upper

168 100

99 72.4 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 1.458 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.02 min

Lab File: VF060215.D

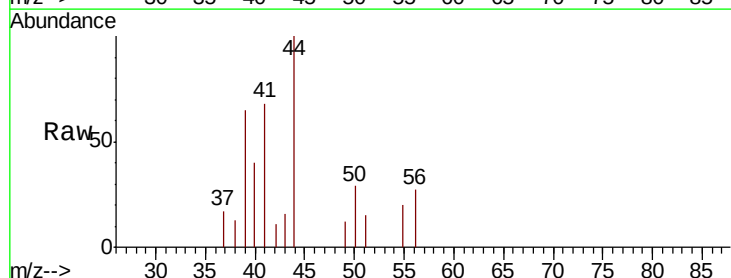
Acq: 7 Sep 2018 17:26

Tgt Ion: 50 Resp: 552

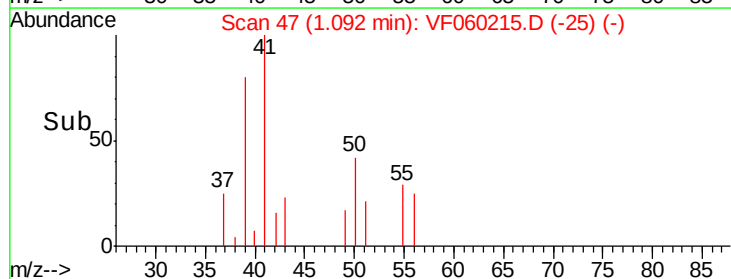
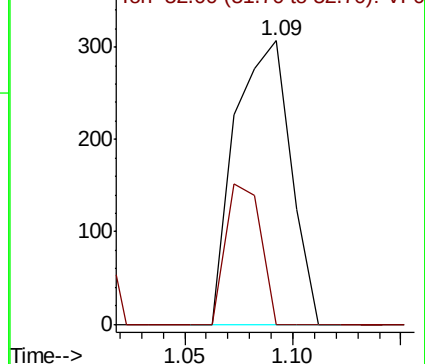
Ion Ratio Lower Upper

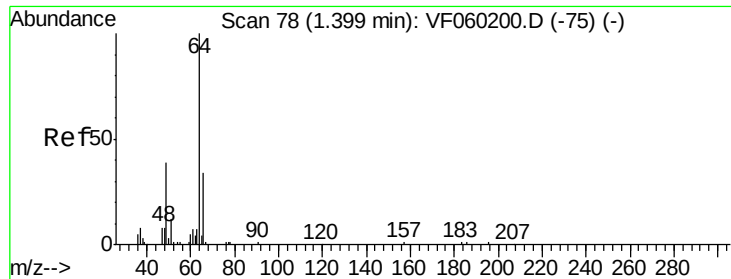
50 100

52 0.0 26.9 40.3#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#6

Chloroethane

Concen: 2.740 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.02 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

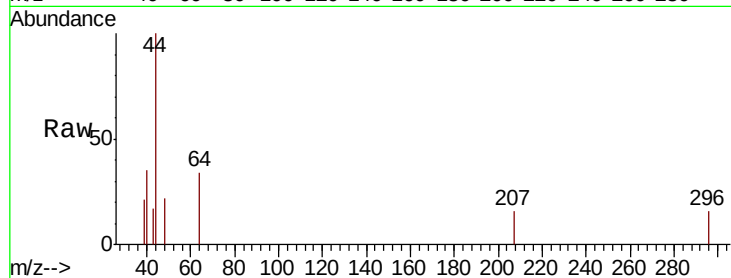
MS-DRUM-1-STONE

Tgt Ion: 64 Resp: 512

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



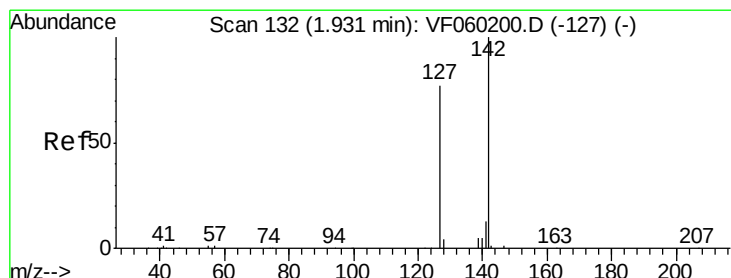
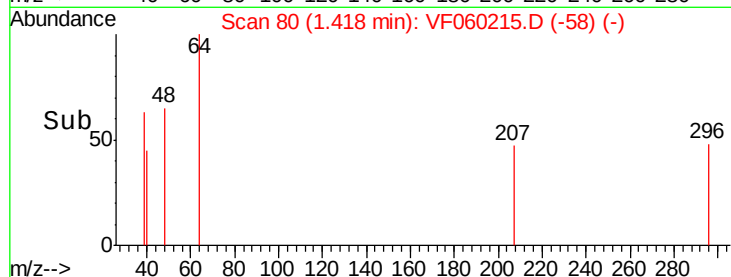
Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.42

1.45

Time-->



#10

Methyl Iodide

Concen: 1.178 ug/l

RT: 1.94 min Scan# 133

Delta R.T. 0.01 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

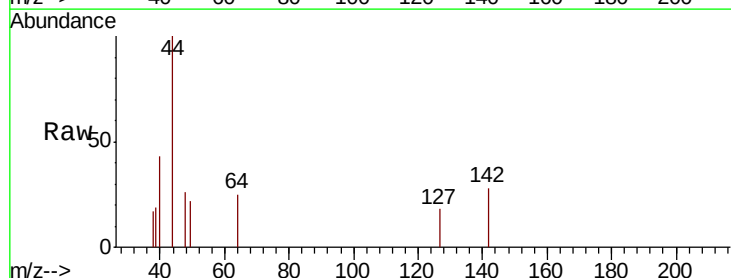
Tgt Ion: 142 Resp: 422

Ion Ratio Lower Upper

142 100

127 62.6 61.1 91.7

141 100.0 10.6 15.8#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

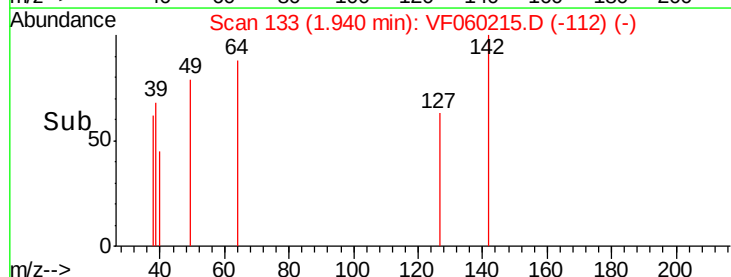
1.94

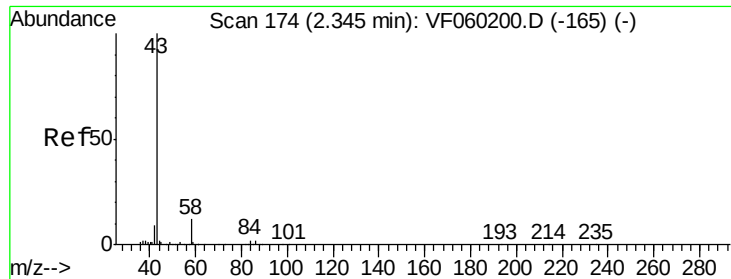
1.95

1.98

2.00

Time-->





#16

Acetone

Concen: 17.339 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.03 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

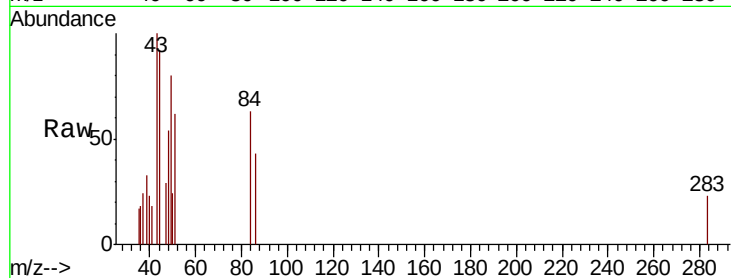
MS-DRUM-1-STONE

Tgt Ion: 43 Resp: 978

Ion Ratio Lower Upper

43 100

58 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.31

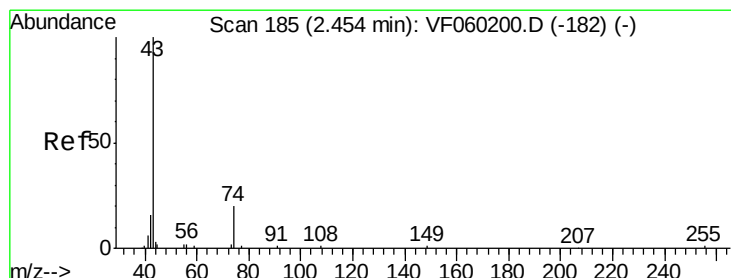
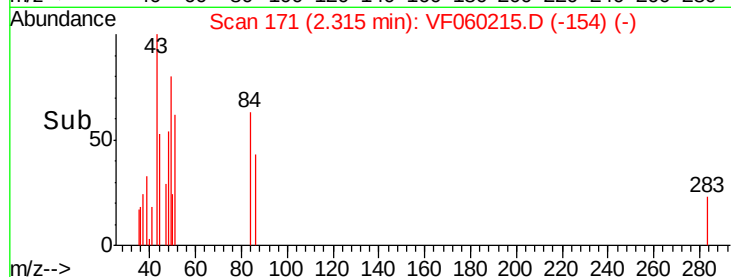
400

200

0

2.30 2.35

Time-->



#18

Methyl Acetate

Concen: 3.927 ug/l

RT: 2.48 min Scan# 188

Delta R.T. 0.03 min

Lab File: VF060215.D

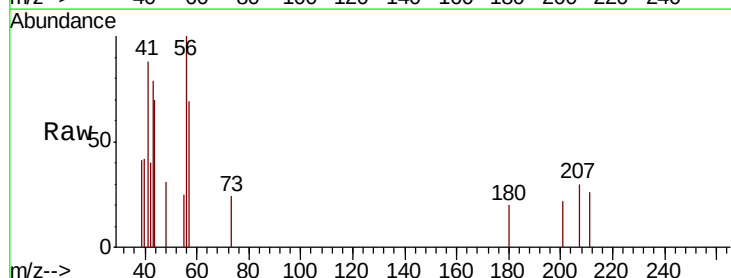
Acq: 7 Sep 2018 17:26

Tgt Ion: 43 Resp: 873

Ion Ratio Lower Upper

43 100

74 0.0 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.48

400

300

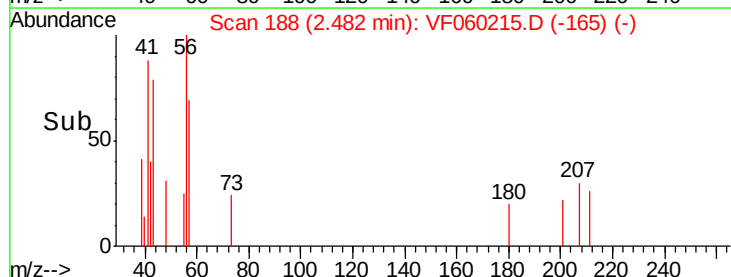
200

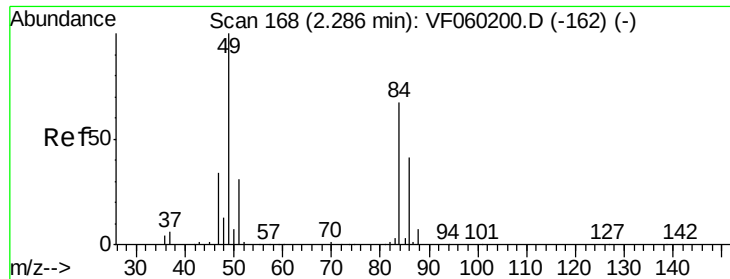
100

0

2.45 2.50 2.55

Time-->

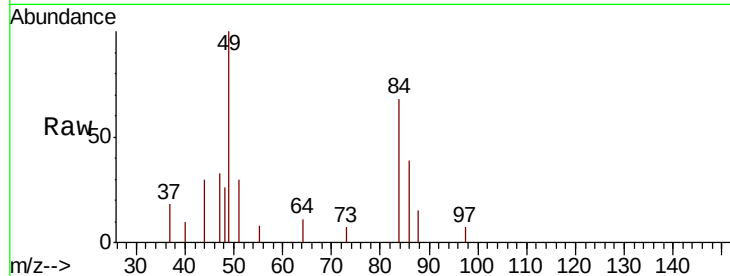




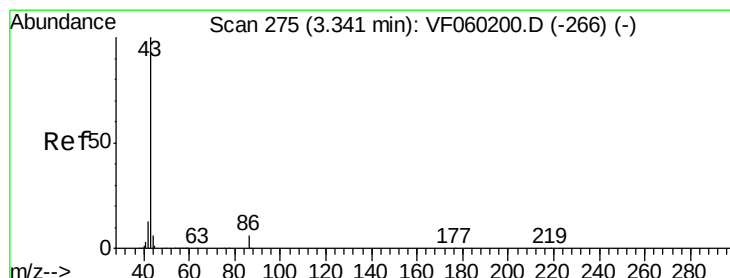
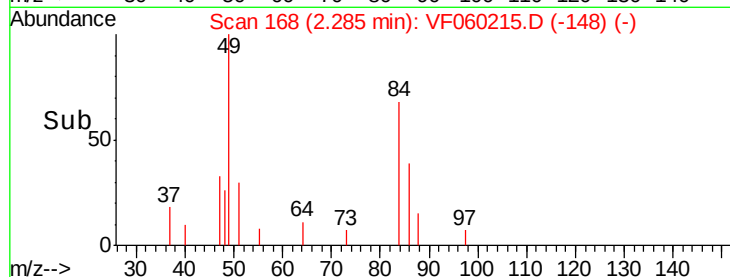
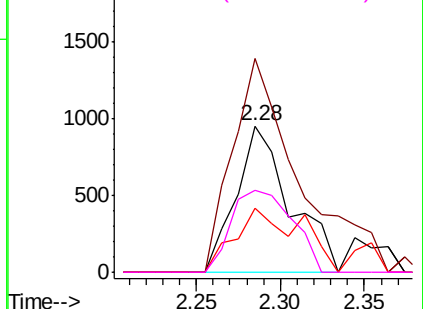
#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Instrument :
MSVOA_F
ClientSampleId :
MS-DRUM-1-STONE

Tgt Ion: 84 Resp: 2121
Ion Ratio Lower Upper
84 100
49 146.3 120.1 180.1
51 43.8 37.0 55.6
86 56.5 49.0 73.6

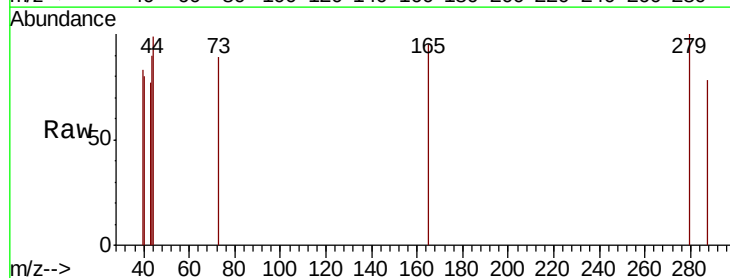


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

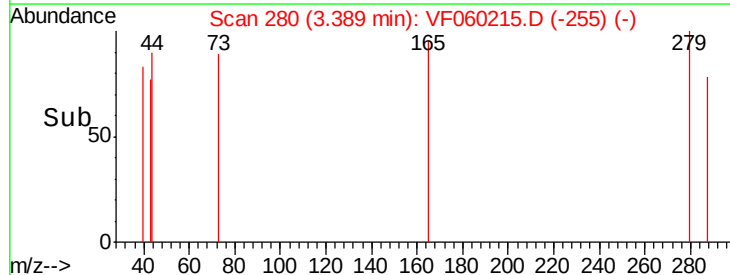
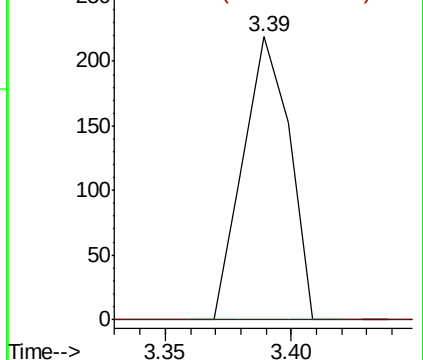


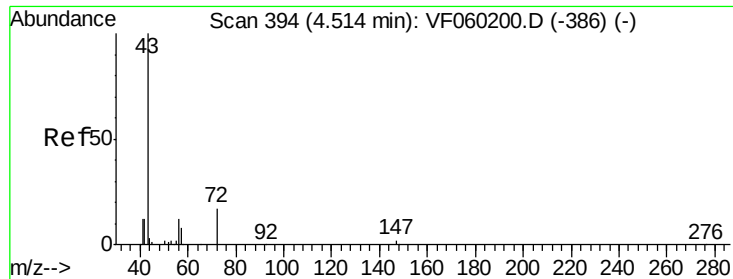
#23
Vinyl Acetate
Concen: 23.393 ug/l
RT: 3.39 min Scan# 280
Delta R.T. 0.05 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
86 0.0 4.8 7.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 2.677 ug/l

RT: 4.48 min Scan# 391

Delta R.T. -0.03 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

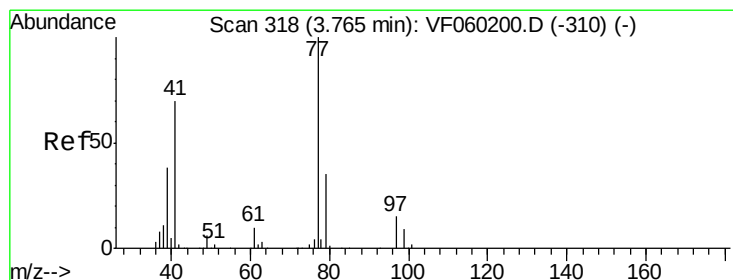
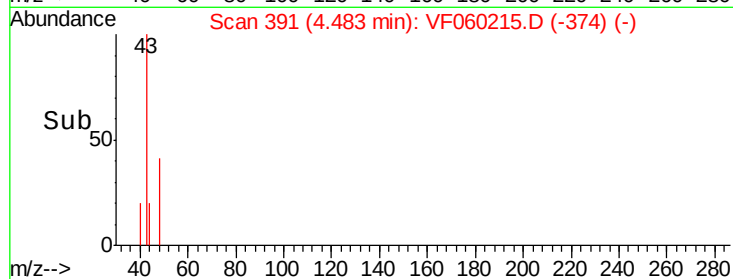
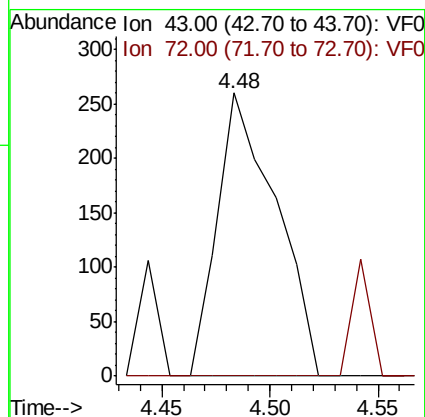
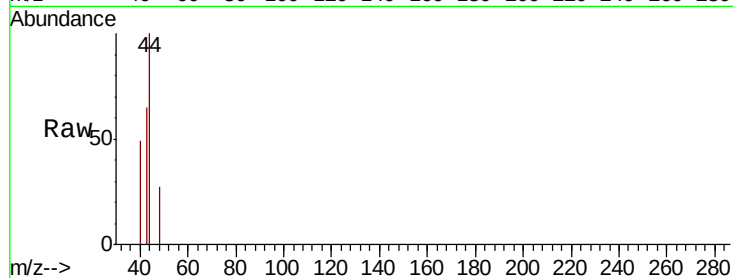
MS-DRUM-1-STONE

Tgt Ion: 43 Resp: 495

Ion Ratio Lower Upper

43 100

72 0.0 14.8 22.2#



#26

2,2-Dichloropropane

Concen: 2.134 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.11 min

Lab File: VF060215.D

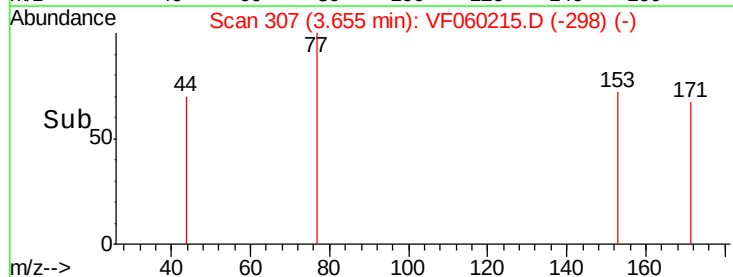
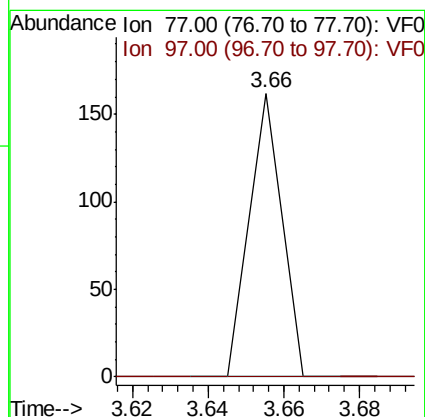
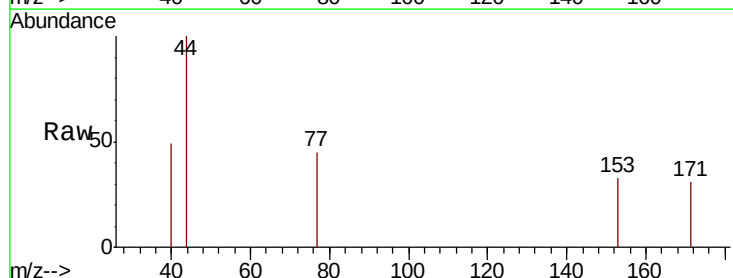
Acq: 7 Sep 2018 17:26

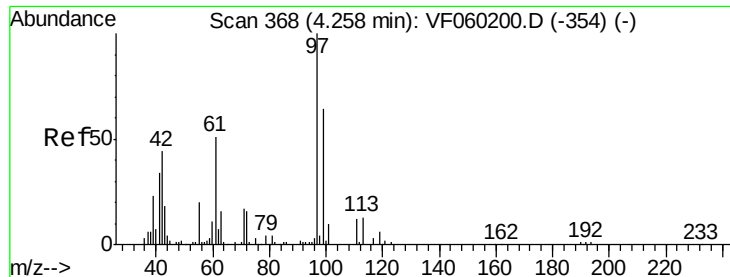
Tgt Ion: 77 Resp: 96

Ion Ratio Lower Upper

77 100

97 0.0 7.5 22.5#

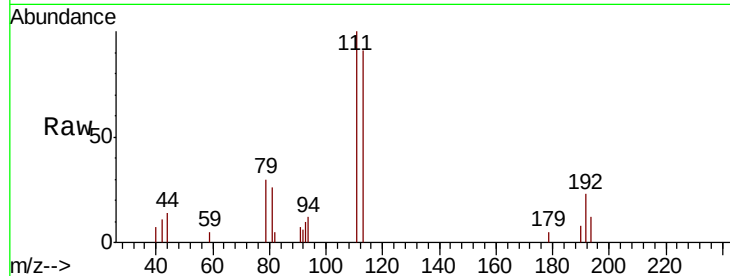




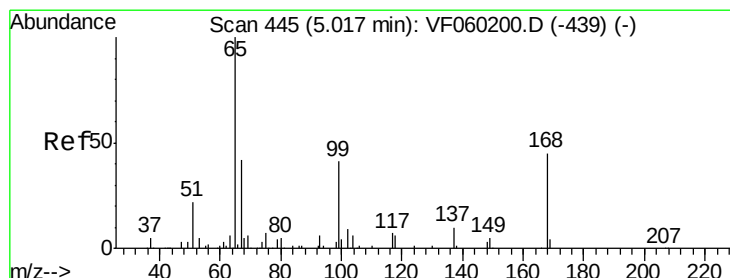
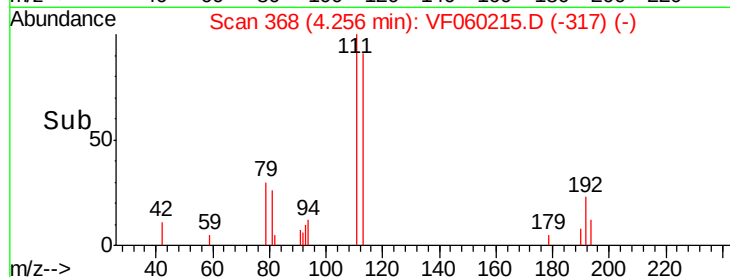
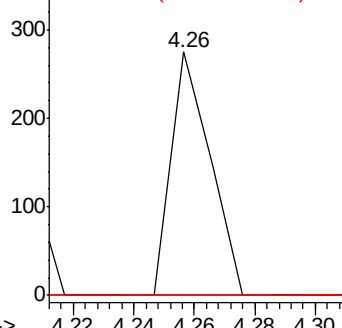
#29
Tetrahydrofuran
Concen: 4.057 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Instrument :
MSVOA_F
ClientSampleId :
MS-DRUM-1-STONE

Tgt Ion: 42 Resp: 248
Ion Ratio Lower Upper
42 100
72 0.0 27.4 41.0#
71 0.0 28.5 42.7#

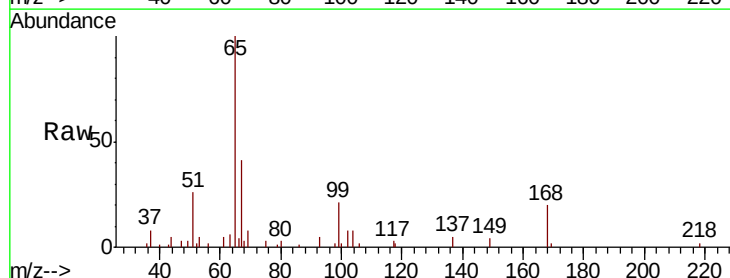


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

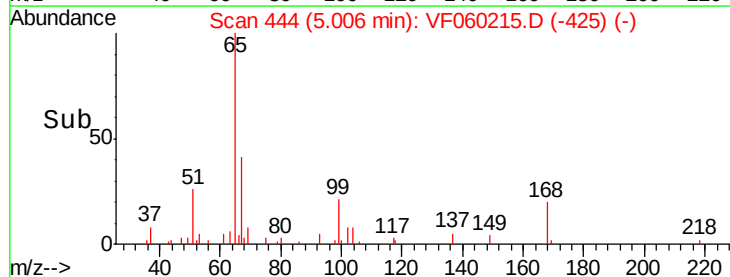
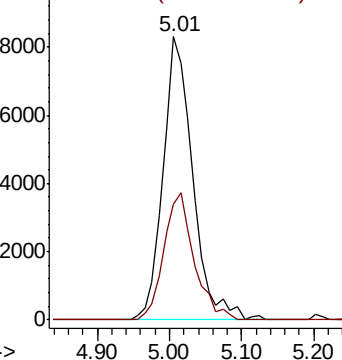


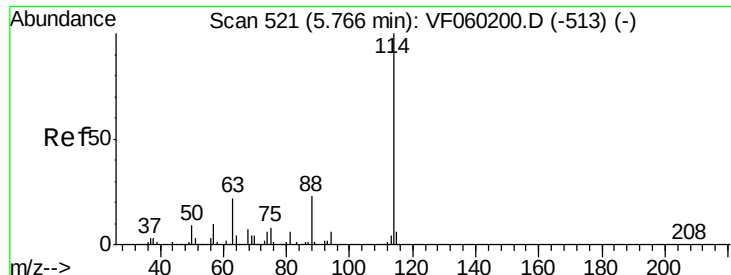
#33
1,2-Dichloroethane-d4
Concen: 36.164 ug/l
RT: 5.01 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Tgt Ion: 65 Resp: 23791
Ion Ratio Lower Upper
65 100
67 40.8 0.0 87.2



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: 5.76 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

MS-DRUM-1-STONE

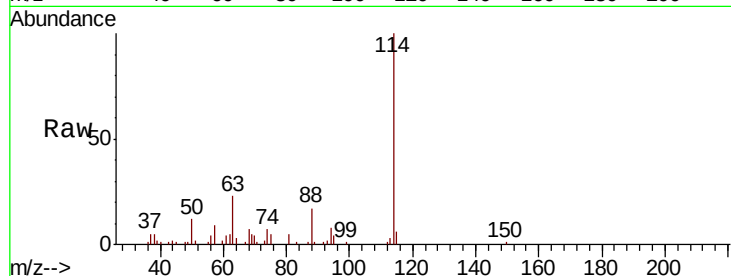
Tgt Ion:114 Resp: 49841

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

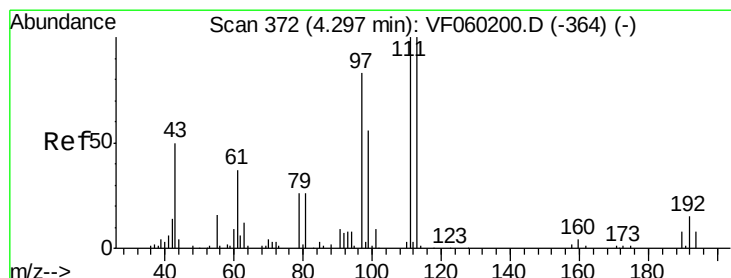
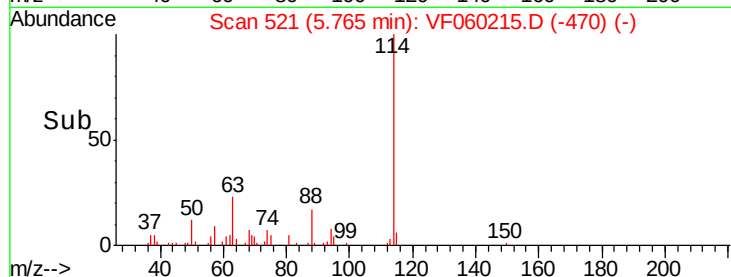
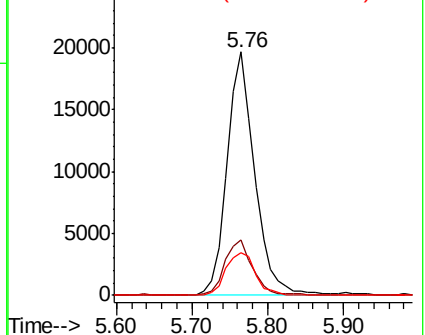
88 17.3 0.0 46.4



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: 38.247 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

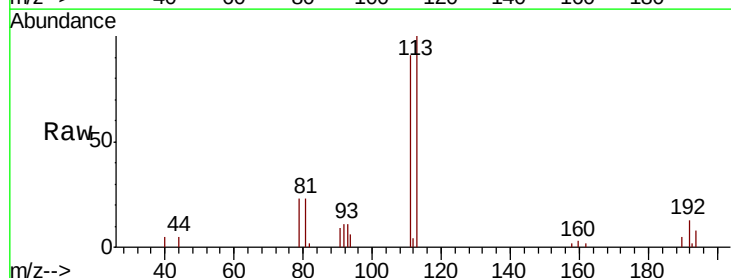
Tgt Ion:113 Resp: 18676

Ion Ratio Lower Upper

113 100

111 91.2 80.2 120.2

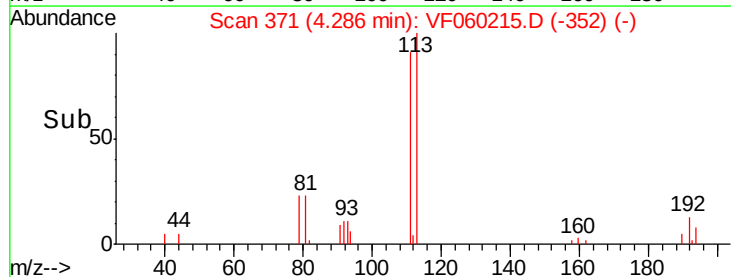
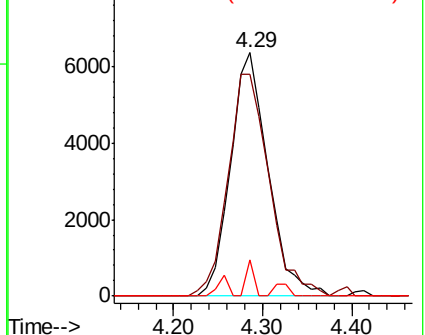
192 15.0 11.8 17.8

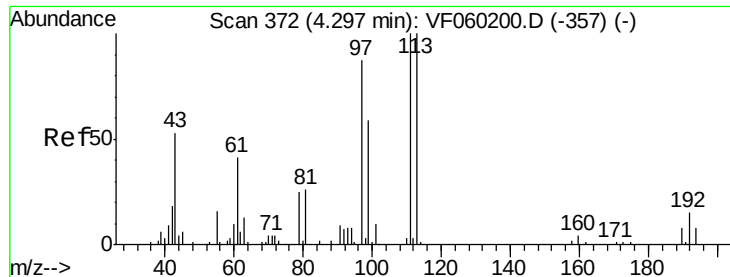


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

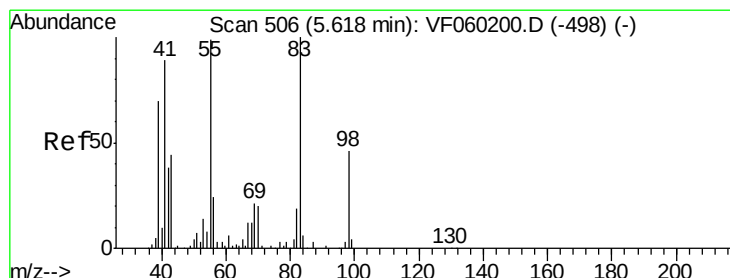
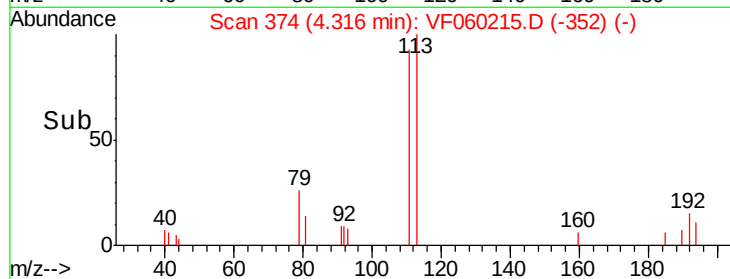
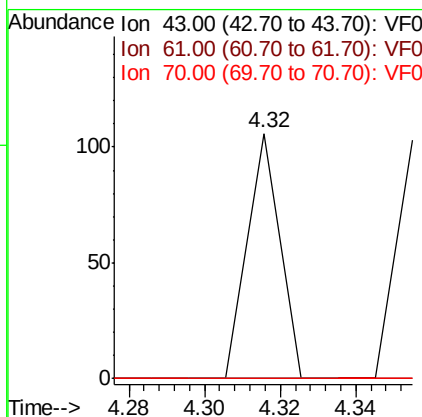
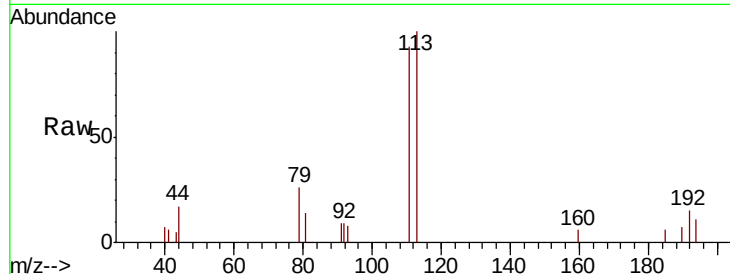




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 374
Delta R.T. 0.02 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

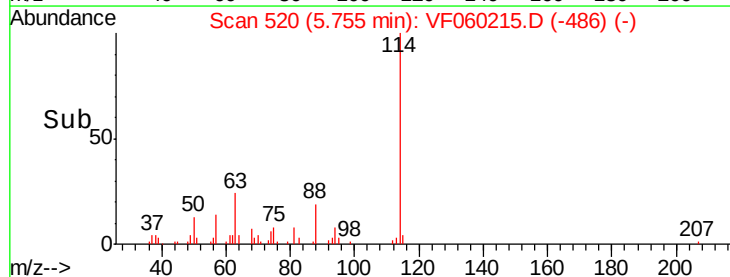
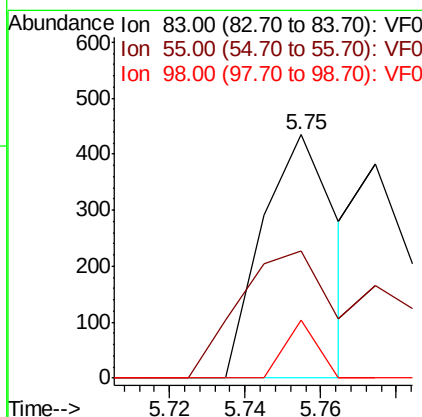
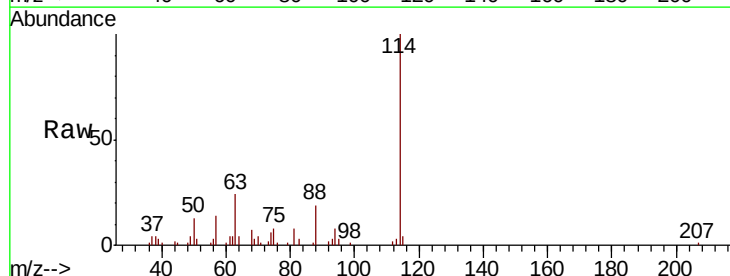
Instrument :
MSVOA_F
ClientSampleId :
MS-DRUM-1-STONE

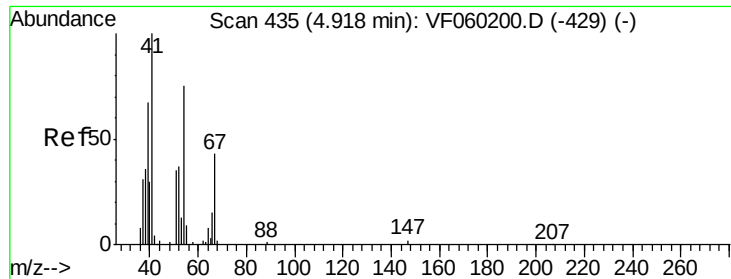
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
61 0.0 61.6 92.4#
70 0.0 6.9 10.3#



#39
Methylcyclohexane
Concen: 1.211 ug/l
RT: 5.75 min Scan# 520
Delta R.T. 0.14 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Tgt Ion: 83 Resp: 595
Ion Ratio Lower Upper
83 100
55 52.4 79.0 118.4#
98 23.9 36.7 55.1#

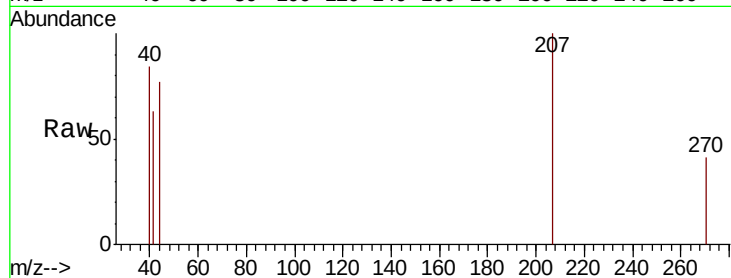




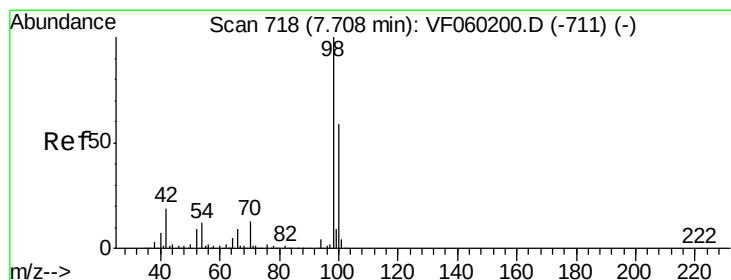
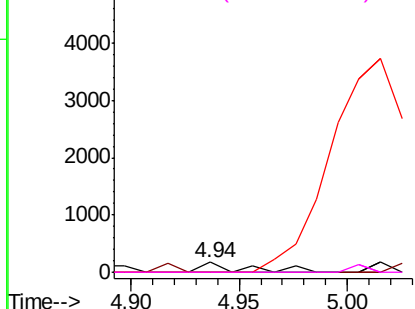
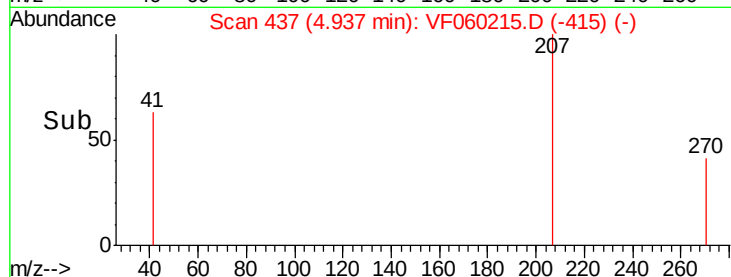
#41
Methacrylonitrile
Concen: 1.501 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Instrument :
MSVOA_F
ClientSampleId :
MS-DRUM-1-STONE

Tgt Ion: 41 Resp: 229
Ion Ratio Lower Upper
41 100
39 0.0 57.4 86.2#
67 0.0 34.6 52.0#
52 0.0 36.2 54.4#

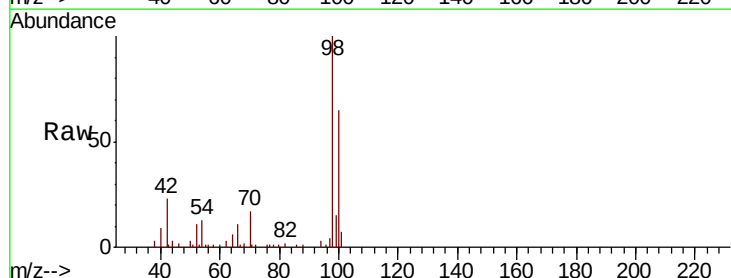


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

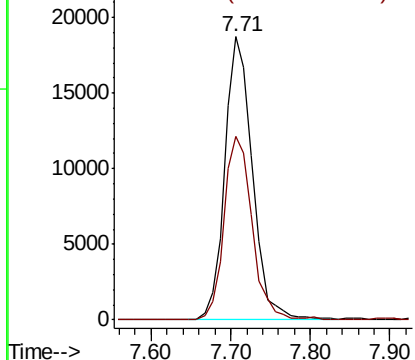
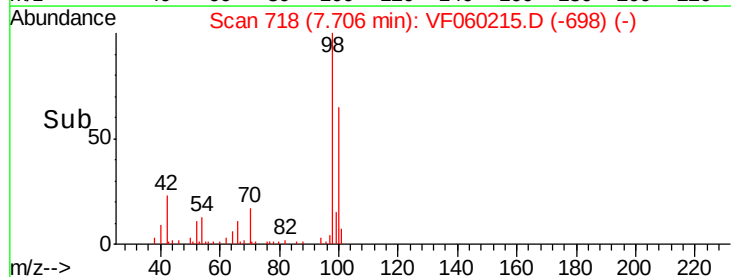


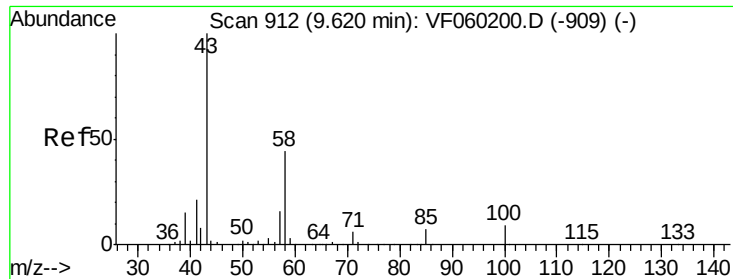
#50
Toluene-d8
Concen: 37.516 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Tgt Ion: 98 Resp: 45714
Ion Ratio Lower Upper
98 100
100 64.8 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

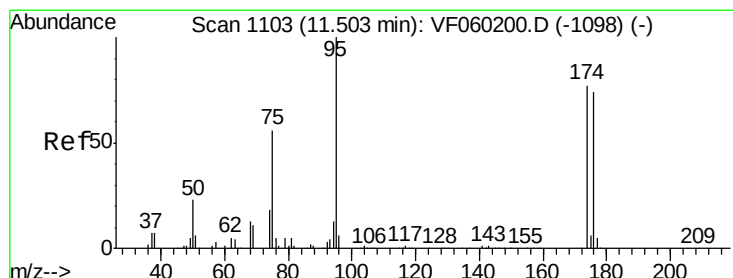
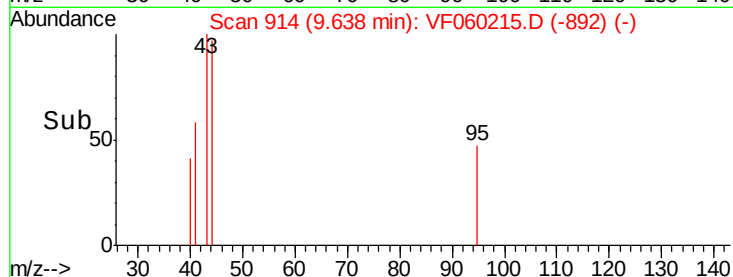
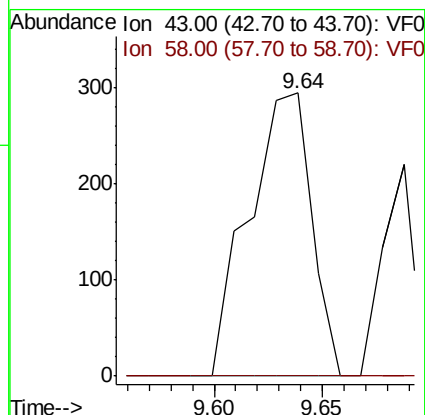
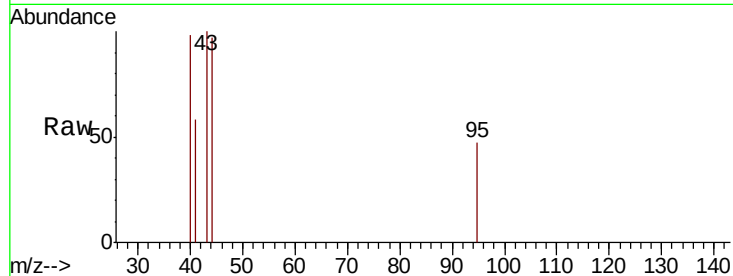




#59
2-Hexanone
Concen: 1.448 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.02 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

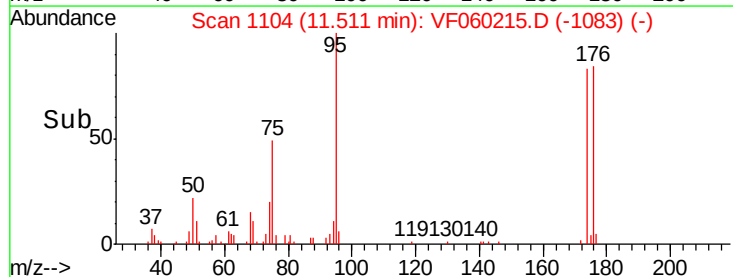
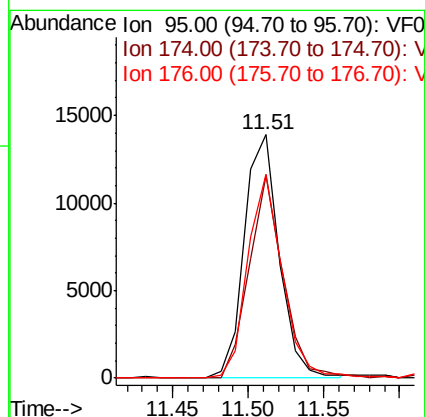
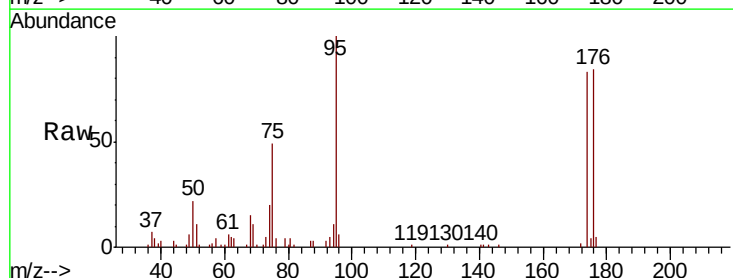
Instrument :
MSVOA_F
ClientSampleId :
MS-DRUM-1-STONE

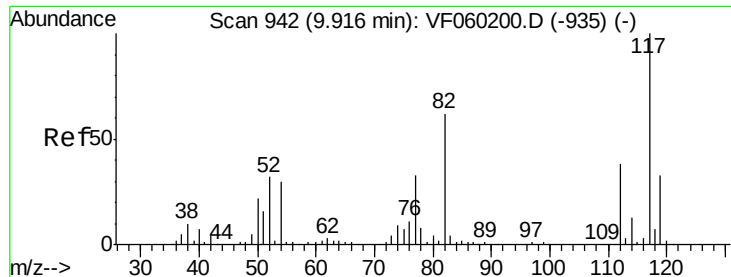
Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
58 0.0 20.8 62.5#



#62
4-Bromofluorobenzene
Concen: 32.356 ug/l
RT: 11.51 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Tgt Ion: 95 Resp: 22245
Ion Ratio Lower Upper
95 100
174 83.1 0.0 153.2
176 83.7 0.0 147.2

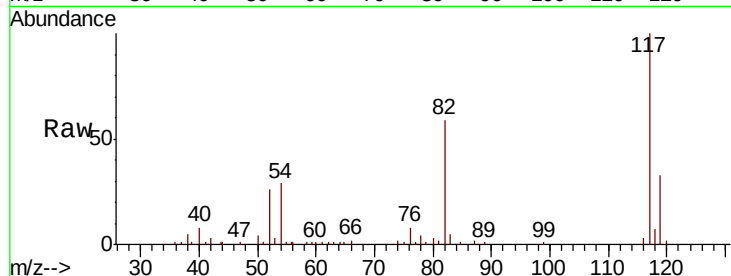




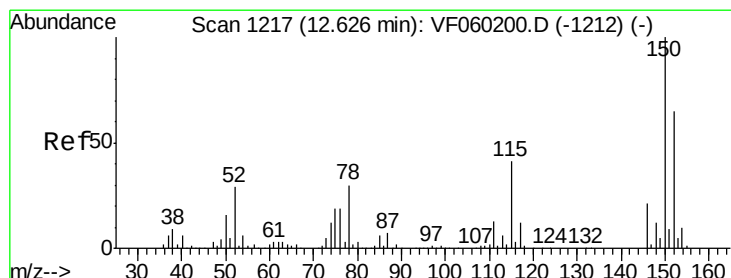
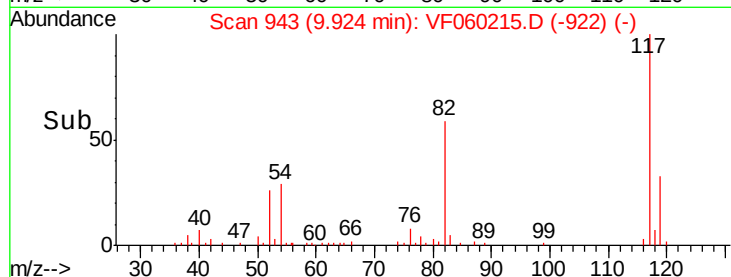
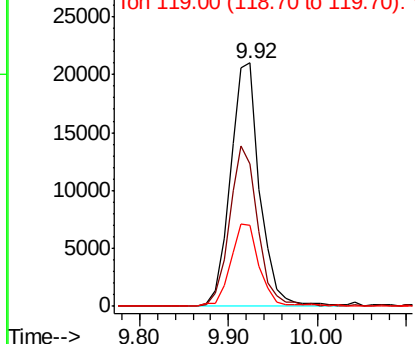
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Instrument :
MSVOA_F
ClientSampleId :
MS-DRUM-1-STONE

Tgt Ion:117 Resp: 48477
Ion Ratio Lower Upper
117 100
82 58.6 49.3 73.9
119 33.3 26.5 39.7

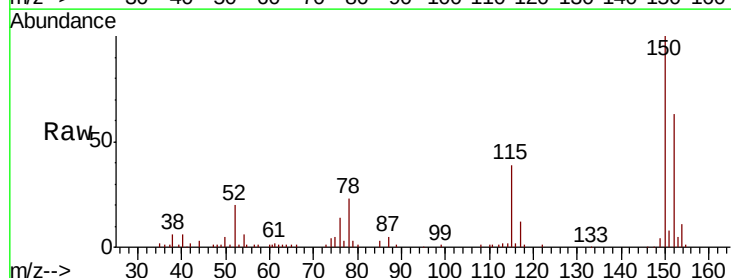


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

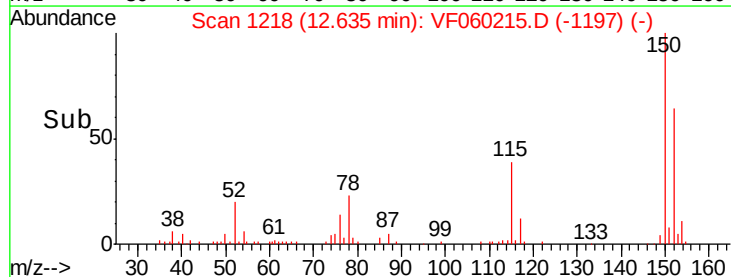
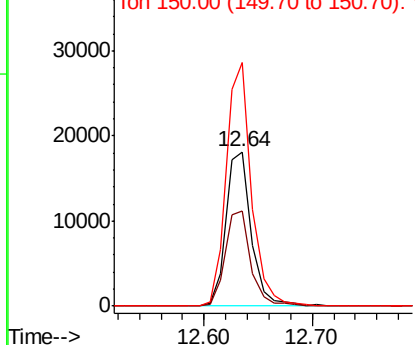


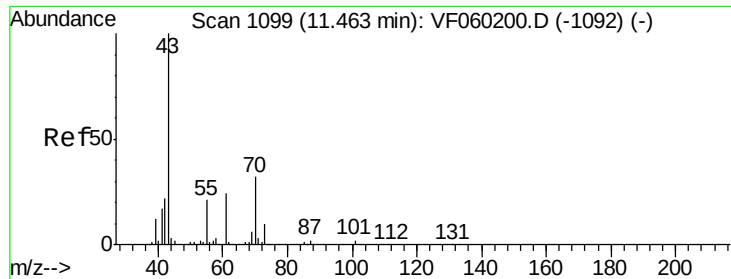
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF060215.D
Acq: 7 Sep 2018 17:26

Tgt Ion:152 Resp: 29560
Ion Ratio Lower Upper
152 100
115 61.8 31.5 94.5
150 157.9 0.0 310.4



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-ethyl acetate

Concen: 5.365 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.03 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

Instrument :

MSVOA_F

ClientSampleId :

MS-DRUM-1-STONE

Tgt Ion: 43 Resp: 256

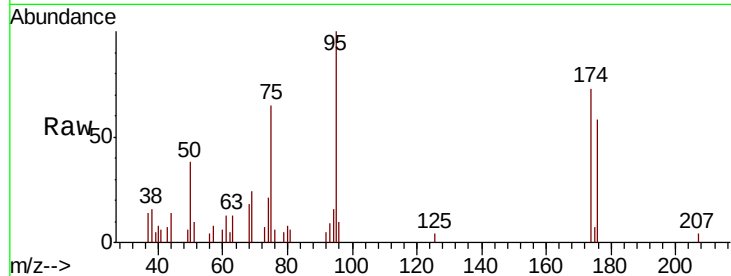
Ion Ratio Lower Upper

43 100

70 0.0 25.8 38.6#

55 0.0 16.8 25.2#

61 196.0 18.9 28.3#

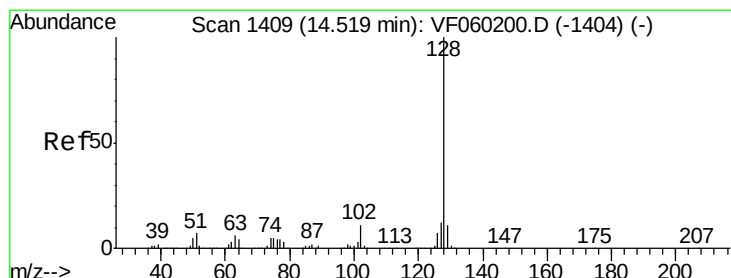
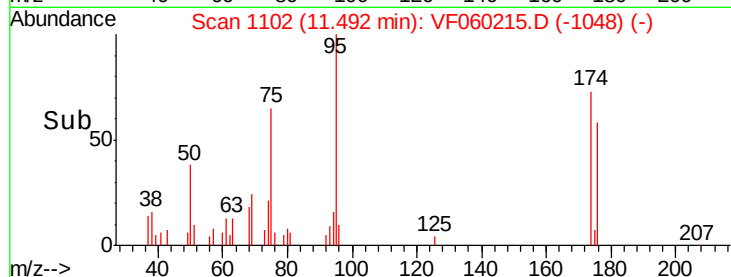
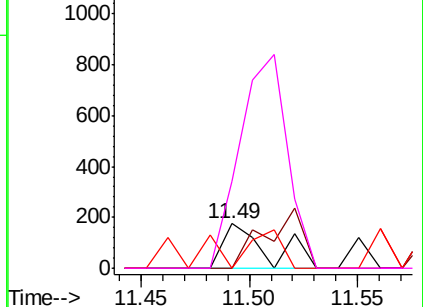


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 2.715 ug/l

RT: 14.54 min Scan# 1411

Delta R.T. 0.02 min

Lab File: VF060215.D

Acq: 7 Sep 2018 17:26

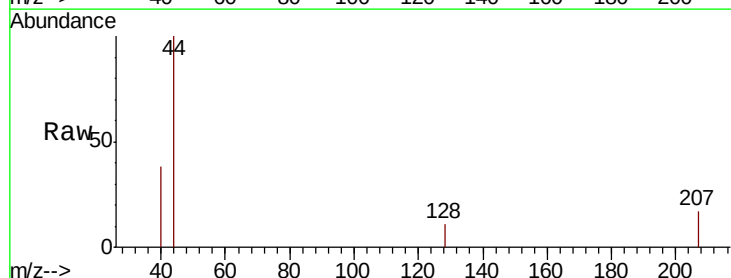
Tgt Ion: 128 Resp: 124

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.9 13.3#



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

