

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090718\
 Data File : VF060223.D
 Acq On : 7 Sep 2018 21:09
 Operator : VA/AP
 Sample : J4803-06
 Misc : 4.94g/5mL/MSVOA_F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F7

Quant Time: Sep 07 23:27:48 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	5.05	168	164566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	233612	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	257840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	175111	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	123185	42.85	ug/l	0.00
Spiked Amount			Recovery	=	85.70%	
35) Dibromofluoromethane	4.29	113	102933	44.97	ug/l	-0.01
Spiked Amount			Recovery	=	89.94%	
50) Toluene-d8	7.71	98	223289	39.10	ug/l	0.00
Spiked Amount			Recovery	=	78.20%	
62) 4-Bromofluorobenzene	11.50	95	134859	41.85	ug/l	0.00
Spiked Amount			Recovery	=	83.70%	

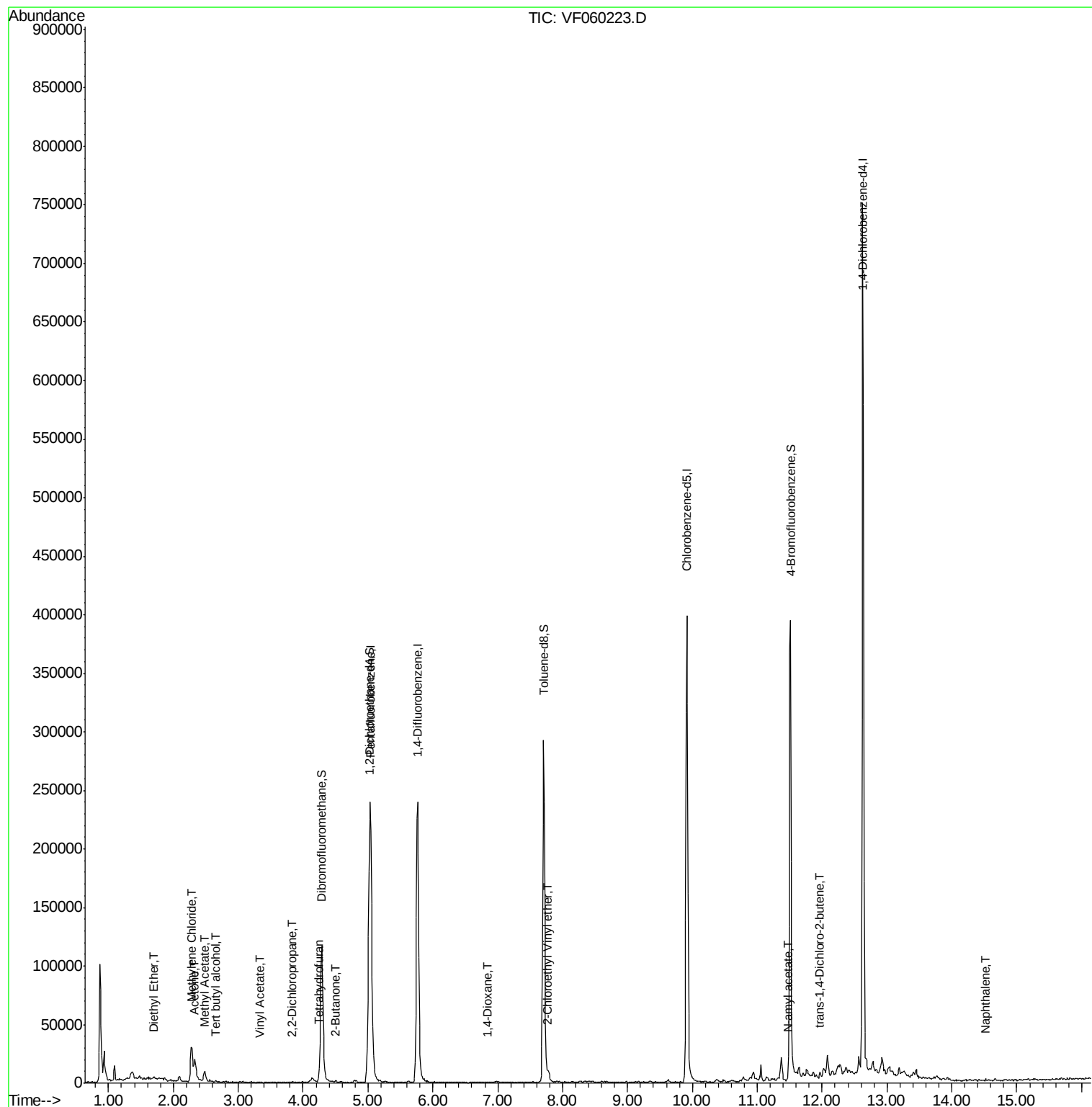
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.70	74	814	1.548	ug/l	94
11) Tert butyl alcohol	2.66	59	678	16.348	ug/l #	75
13) Acrolein	2.08	56	84	Below Cal	#	1
16) Acetone	2.33	43	23450	38.852	ug/l #	93
18) Methyl Acetate	2.49	43	2875	2.959	ug/l #	64
20) Methylene Chloride	2.28	84	15988	3.020	ug/l	89
23) Vinyl Acetate	3.34	43	119	22.855	ug/l #	82
25) 2-Butanone	4.49	43	1324	1.639	ug/l #	59
26) 2,2-Dichloropropane	3.82	77	90	2.055	ug/l #	64
29) Tetrahydrofuran	4.24	42	342	1.280	ug/l #	40
37) Ethyl Acetate	4.34	43	73	Below Cal	#	17
49) 1,4-Dioxane	6.86	88	60	3.214	ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.78	63	993	5.788	ug/l	100
74) N-amyl acetate	11.46	43	1526	5.369	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.97	75	166	2.893	ug/l #	9
95) Naphthalene	14.52	128	811	2.726	ug/l #	78

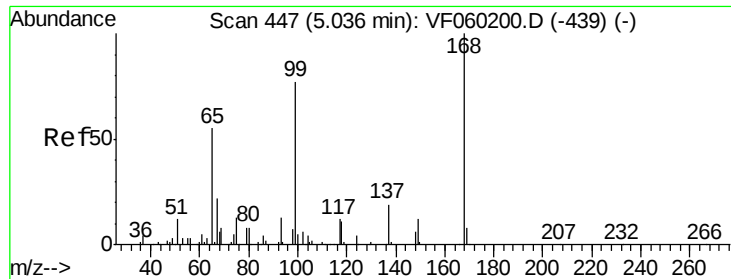
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

Instrument :

MSVOA_F

ClientSampleId :

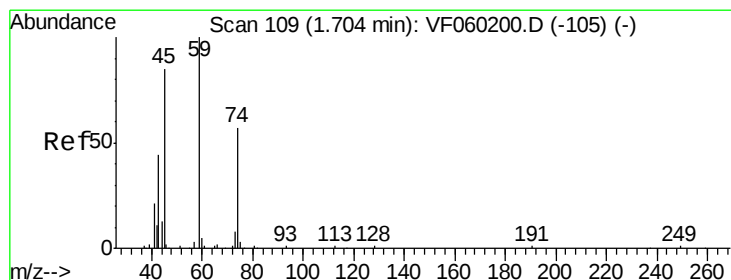
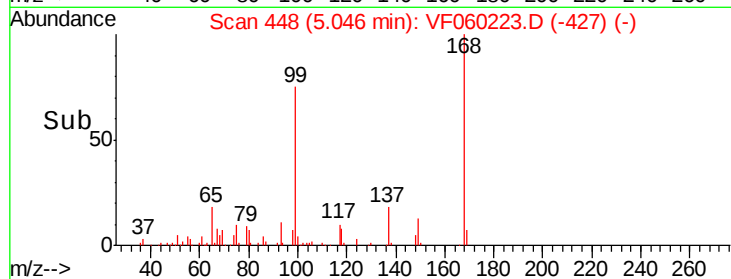
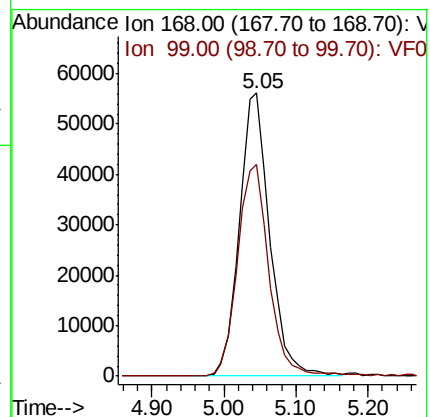
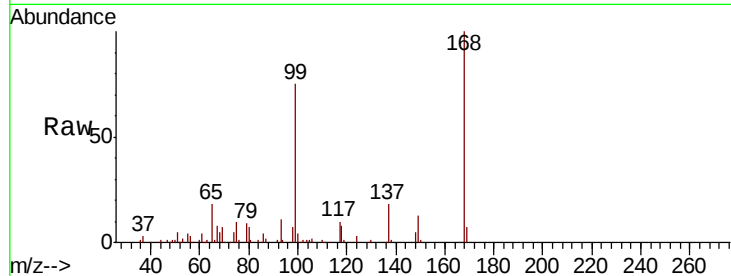
EP1-Q2-F7

Tgt Ion:168 Resp: 164566

Ion Ratio Lower Upper

168 100

99 74.8 61.8 92.6



#8

Diethyl Ether

Concen: 1.548 ug/l

RT: 1.70 min Scan# 109

Delta R.T. -0.00 min

Lab File: VF060223.D

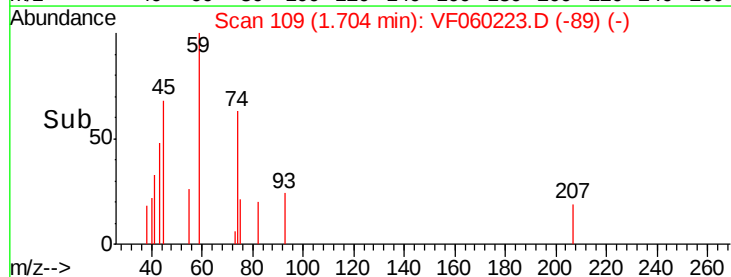
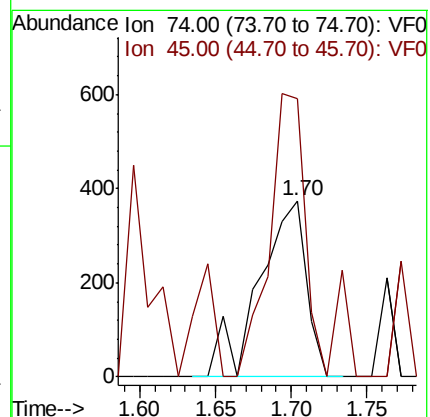
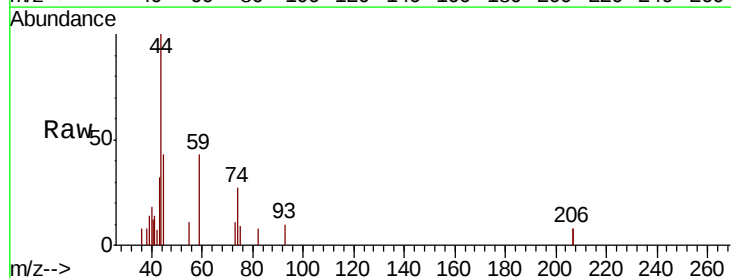
Acq: 7 Sep 2018 21:09

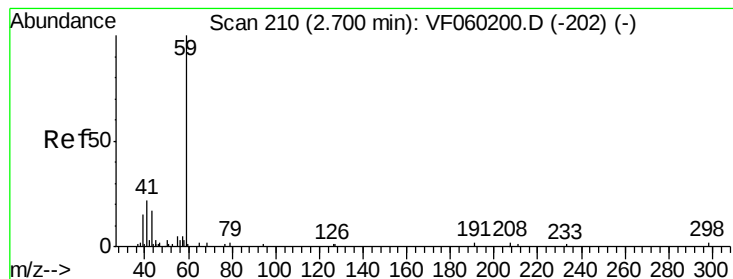
Tgt Ion: 74 Resp: 814

Ion Ratio Lower Upper

74 100

45 158.0 75.3 225.7



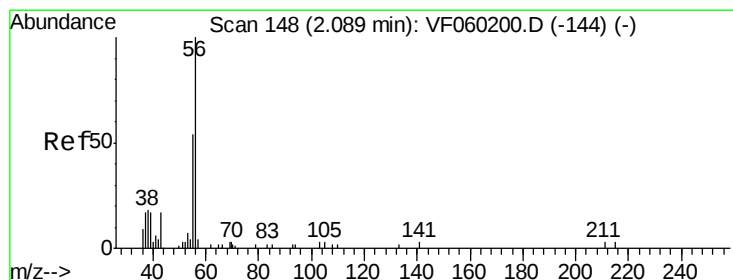
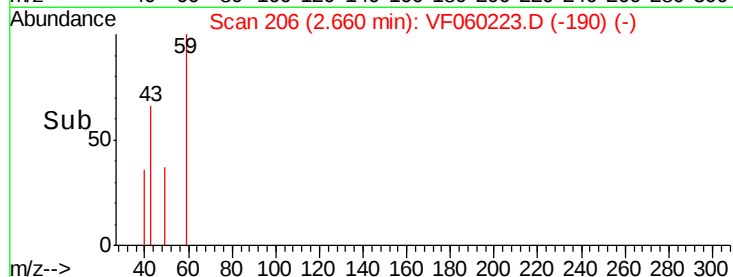
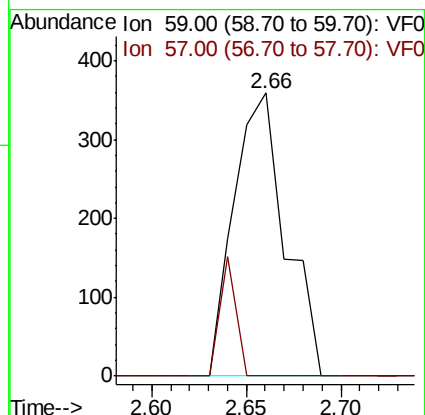
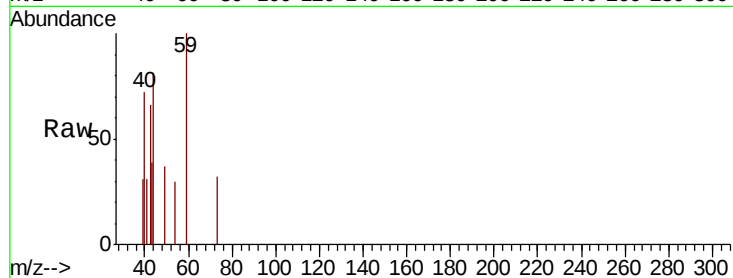


#11

Tert butyl alcohol
 Concen: 16.348 ug/l
 RT: 2.66 min Scan# 206
 Delta R.T. -0.04 min
 Lab File: VF060223.D
 Acq: 7 Sep 2018 21:09

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F7

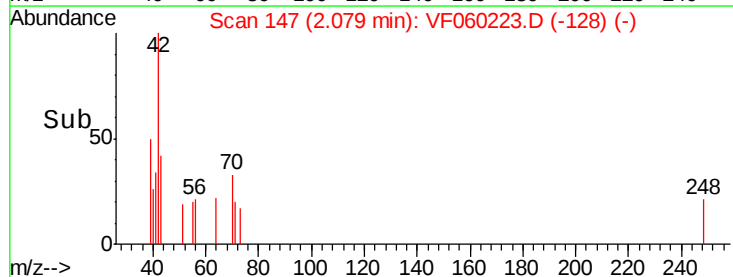
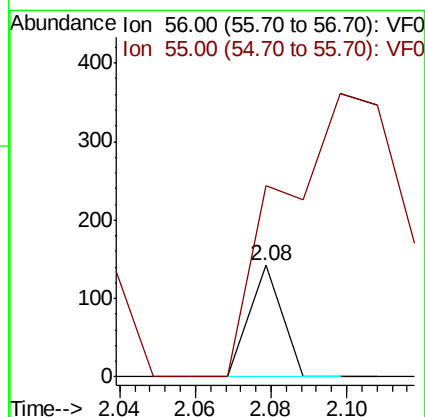
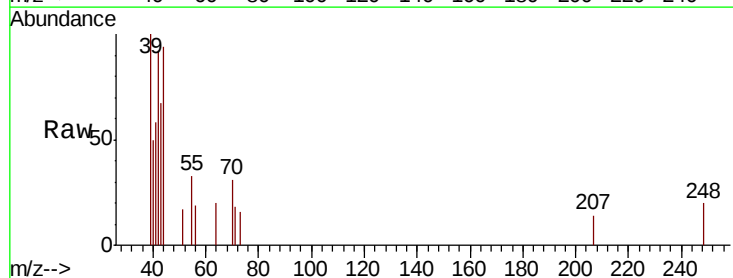
Tgt Ion: 59 Resp: 678
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.2 10.8#

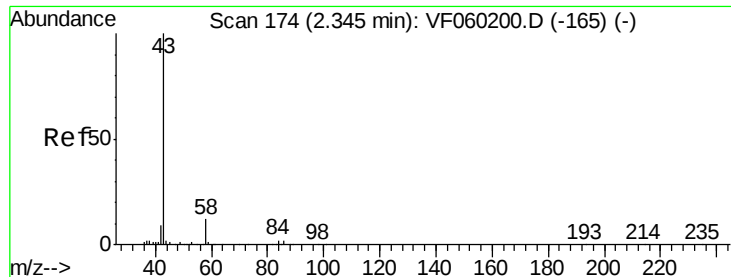


#13

Acrolein
 Concen: Below Cal
 RT: 2.08 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VF060223.D
 Acq: 7 Sep 2018 21:09

Tgt Ion: 56 Resp: 84
 Ion Ratio Lower Upper
 56 100
 55 171.1 45.1 67.7#





#16

Acetone

Concen: 38.852 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

Instrument :

MSVOA_F

ClientSampleId :

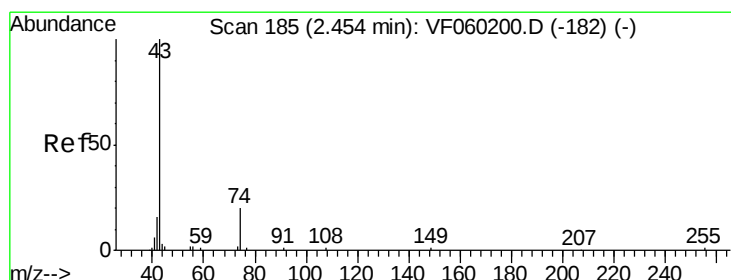
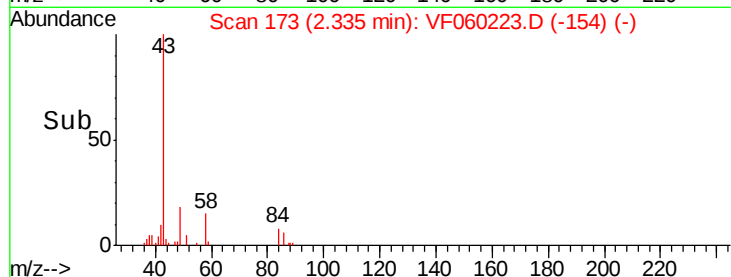
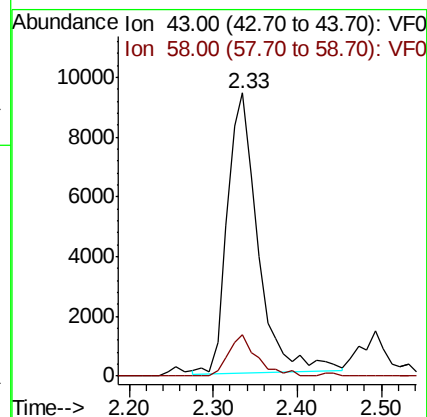
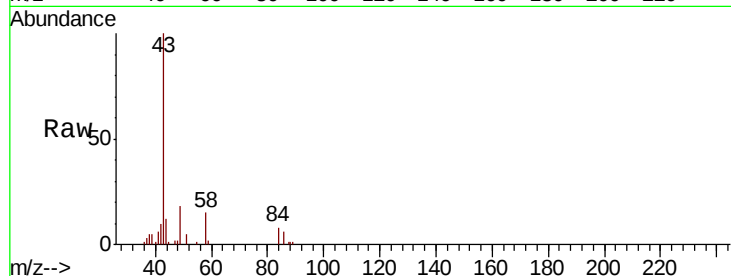
EP1-Q2-F7

Tgt Ion: 43 Resp: 23450

Ion Ratio Lower Upper

43 100

58 14.7 9.7 14.5#



#18

Methyl Acetate

Concen: 2.959 ug/l

RT: 2.49 min Scan# 189

Delta R.T. 0.04 min

Lab File: VF060223.D

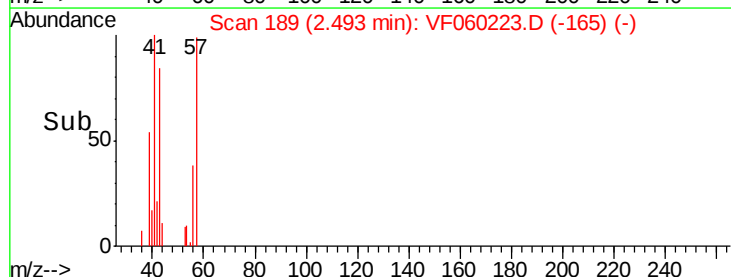
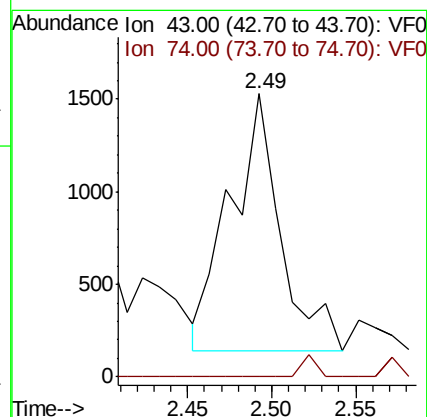
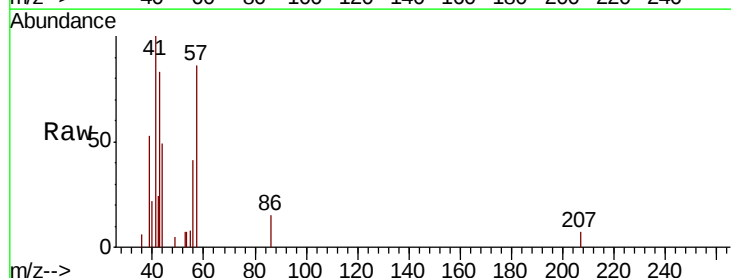
Acq: 7 Sep 2018 21:09

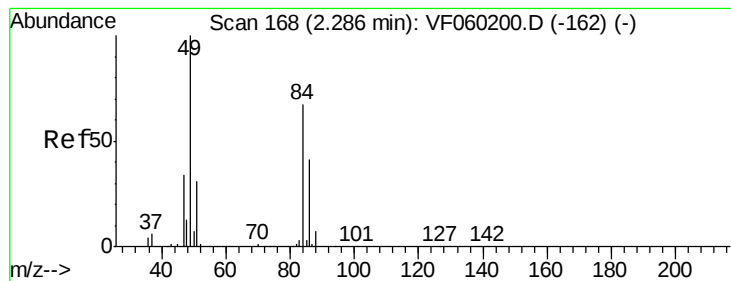
Tgt Ion: 43 Resp: 2875

Ion Ratio Lower Upper

43 100

74 0.0 11.9 17.9#





#20

Methylene Chloride

Concen: 3.020 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-F7

Tgt Ion: 84 Resp: 15988

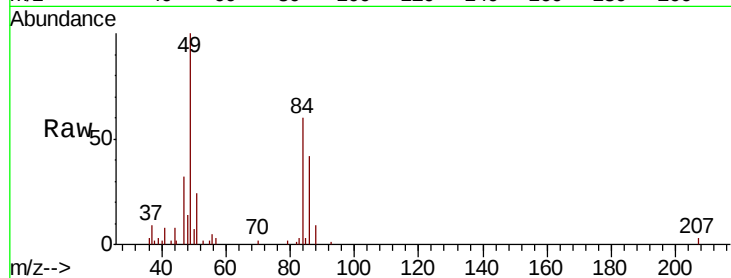
Ion Ratio Lower Upper

84 100

49 165.4 120.1 180.1

51 40.2 37.0 55.6

86 69.2 49.0 73.6

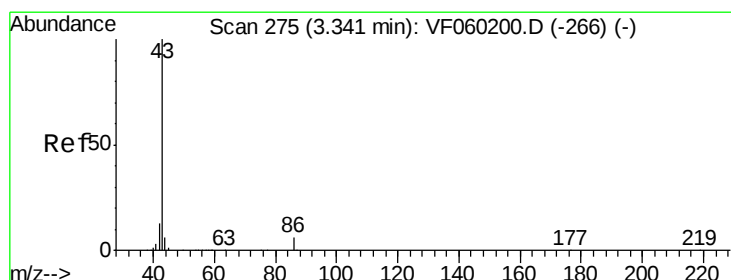
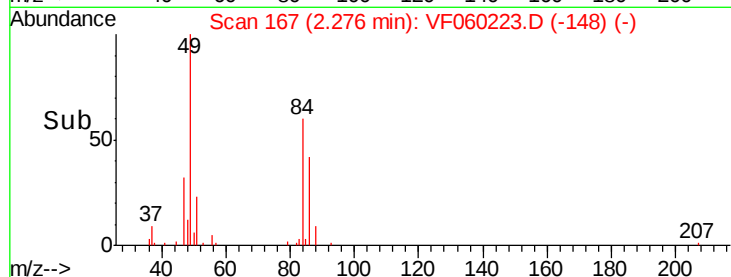
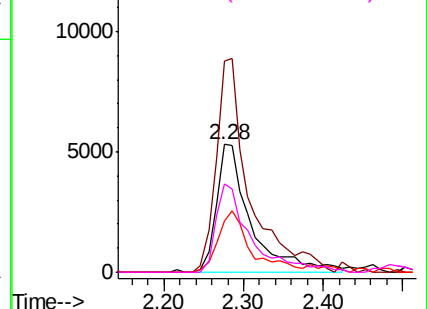


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 22.855 ug/l

RT: 3.34 min Scan# 275

Delta R.T. 0.00 min

Lab File: VF060223.D

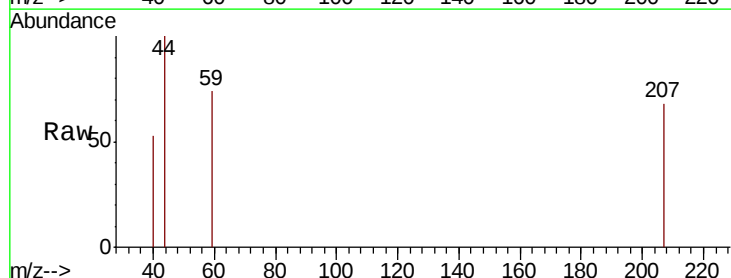
Acq: 7 Sep 2018 21:09

Tgt Ion: 43 Resp: 119

Ion Ratio Lower Upper

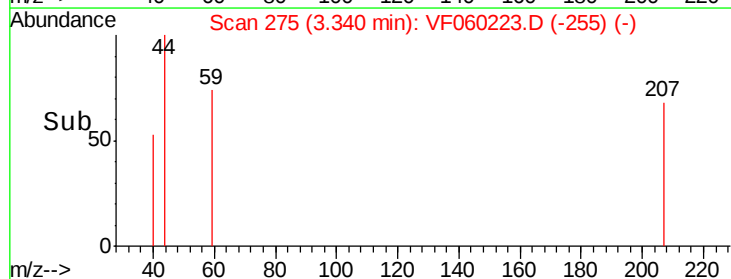
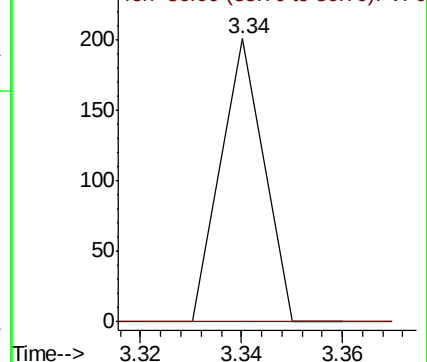
43 100

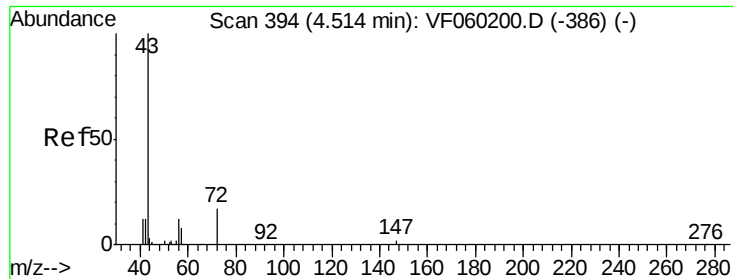
86 0.0 4.8 7.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

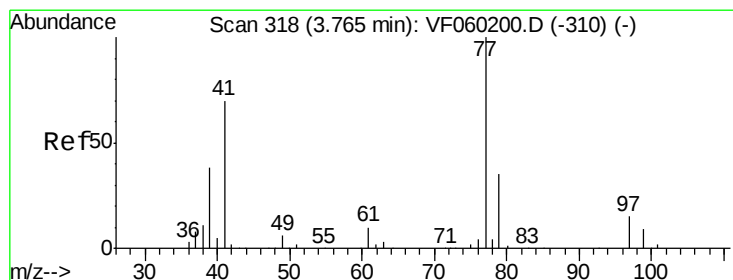
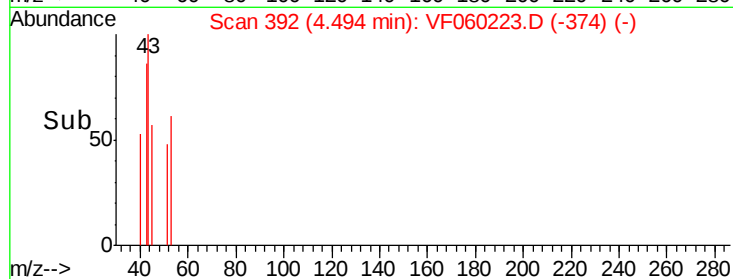
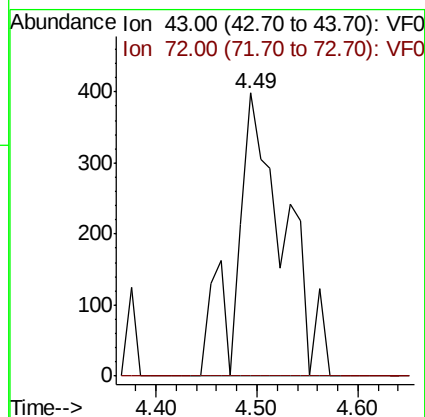
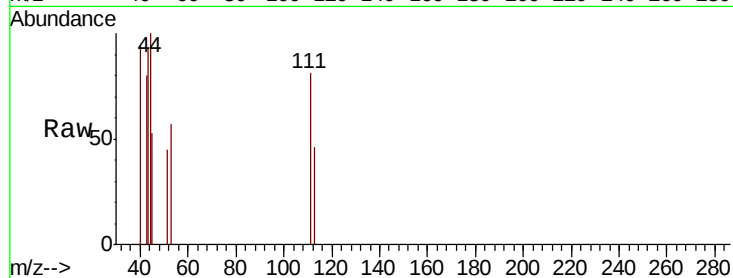




#25
2-Butanone
Concen: 1.639 ug/l
RT: 4.49 min Scan# 392
Delta R.T. -0.02 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

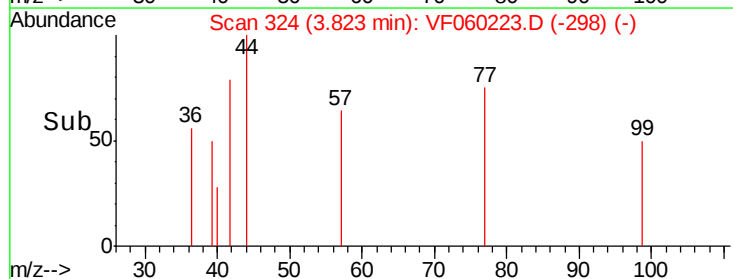
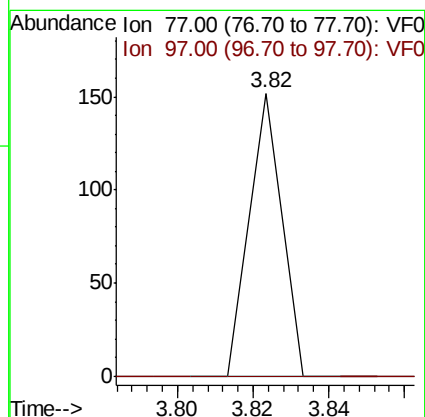
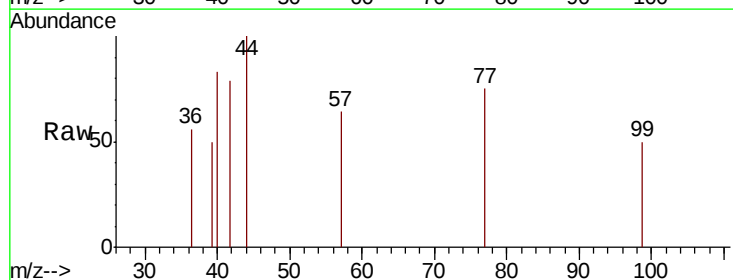
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F7

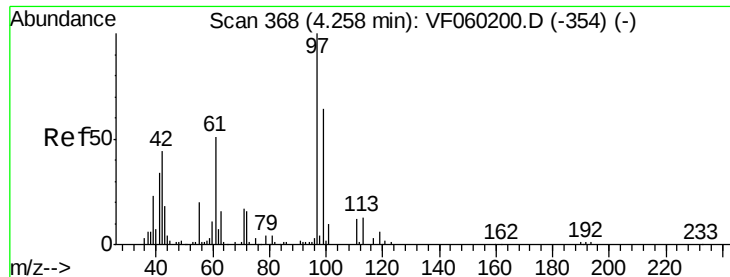
Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
72 0.0 14.8 22.2#



#26
2,2-Dichloropropane
Concen: 2.055 ug/l
RT: 3.82 min Scan# 324
Delta R.T. 0.06 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

Tgt Ion: 77 Resp: 90
Ion Ratio Lower Upper
77 100
97 0.0 7.5 22.5#





#29

Tetrahydrofuran

Concen: 1.280 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.02 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-F7

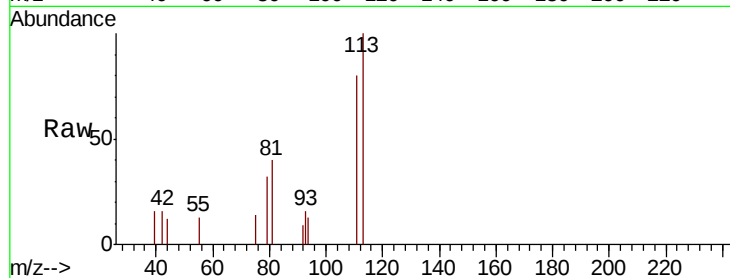
Tgt Ion: 42 Resp: 342

Ion Ratio Lower Upper

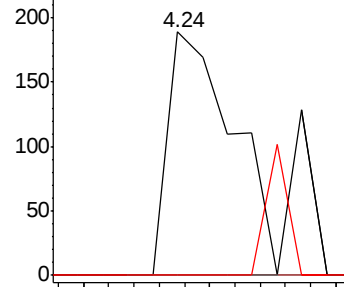
42 100

72 0.0 27.4 41.0#

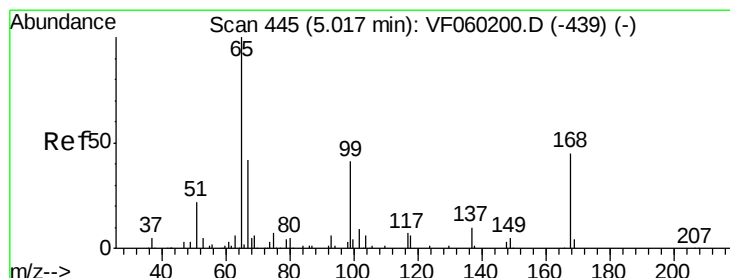
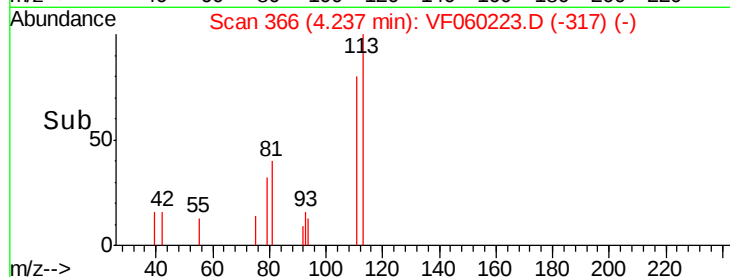
71 0.0 28.5 42.7#



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



Time-->



#33

1,2-Dichloroethane-d4

Concen: 42.848 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF060223.D

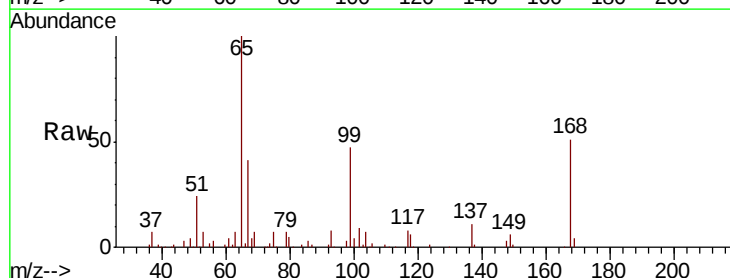
Acq: 7 Sep 2018 21:09

Tgt Ion: 65 Resp: 123185

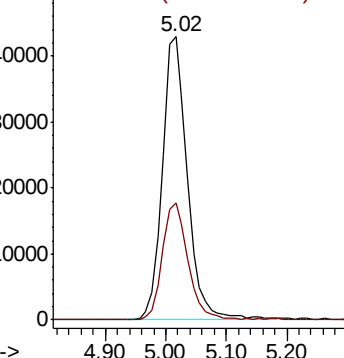
Ion Ratio Lower Upper

65 100

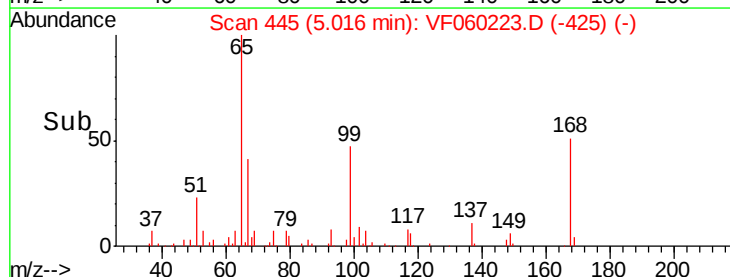
67 41.1 0.0 87.2

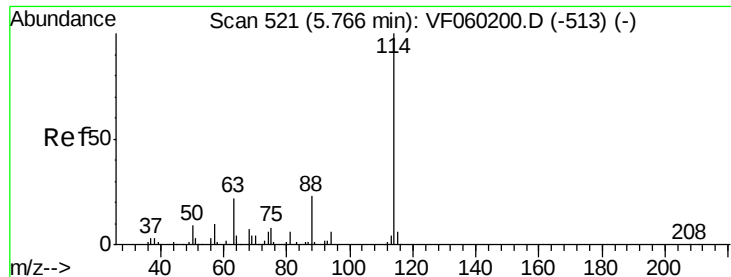


Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

Instrument :

MSVOA_F

ClientSampled :

EP1-Q2-F7

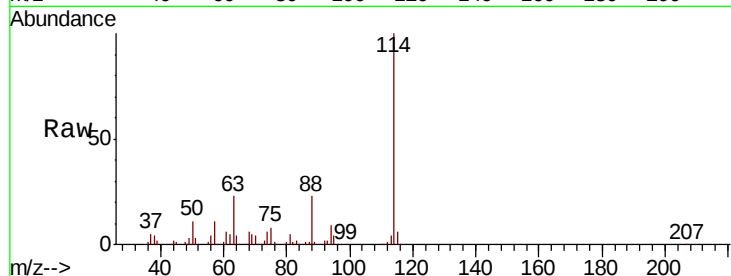
Tgt Ion:114 Resp: 233612

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.6

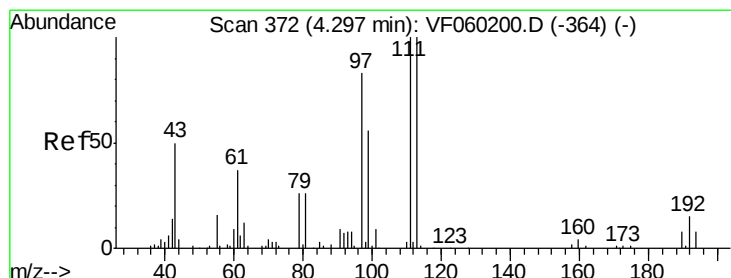
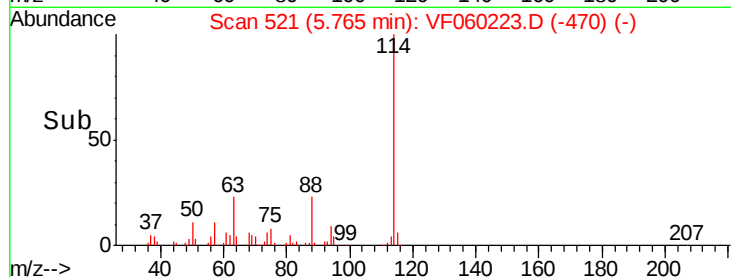
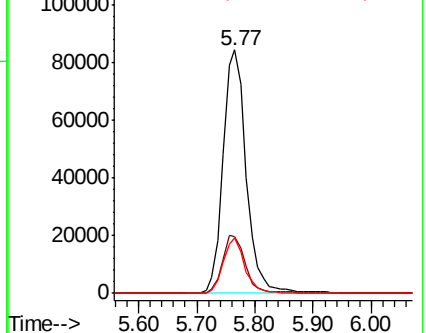
88 22.5 0.0 46.4



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: 44.973 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

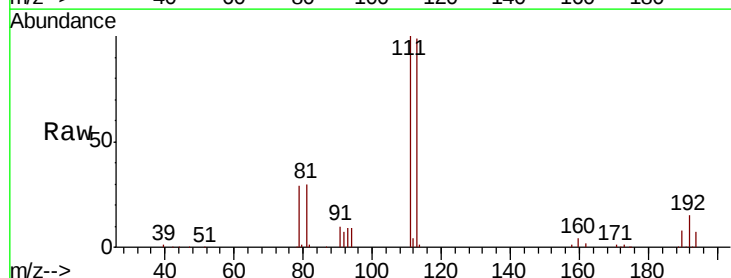
Tgt Ion:113 Resp: 102933

Ion Ratio Lower Upper

113 100

111 101.2 80.2 120.2

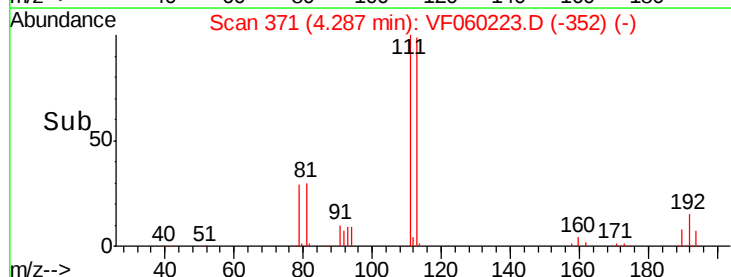
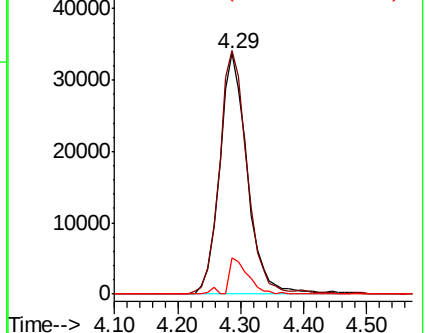
192 15.0 11.8 17.8

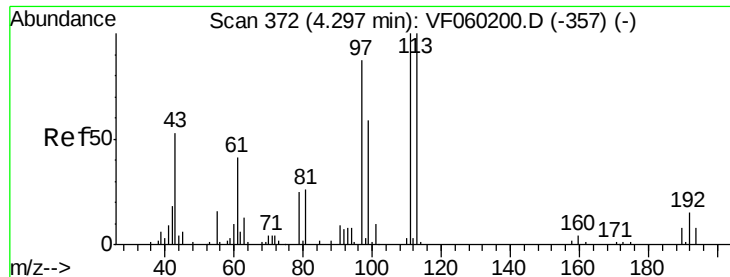


Abundance Ion 113.00 (112.70 to 113.70): V

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: 4.34 min Scan# 376

Delta R.T. 0.04 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-F7

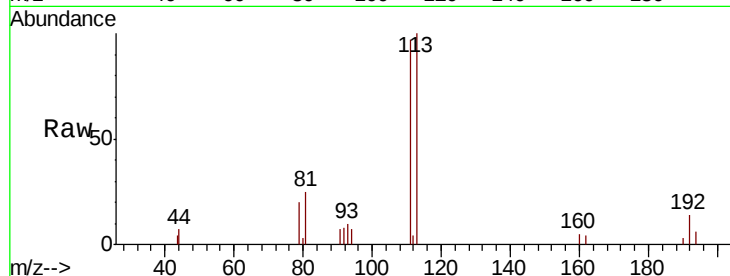
Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

61 0.0 61.6 92.4#

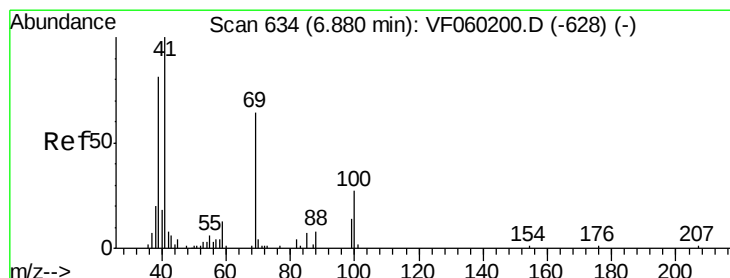
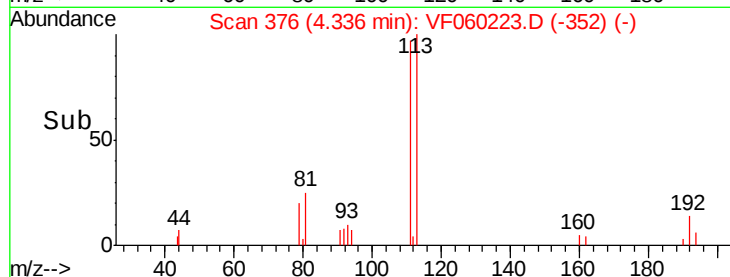
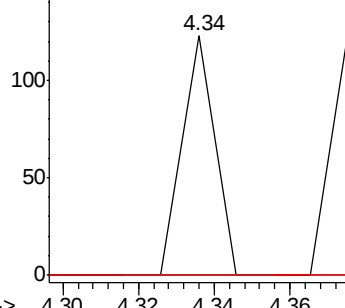
70 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#49

1,4-Dioxane

Concen: 3.214 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.02 min

Lab File: VF060223.D

Acq: 7 Sep 2018 21:09

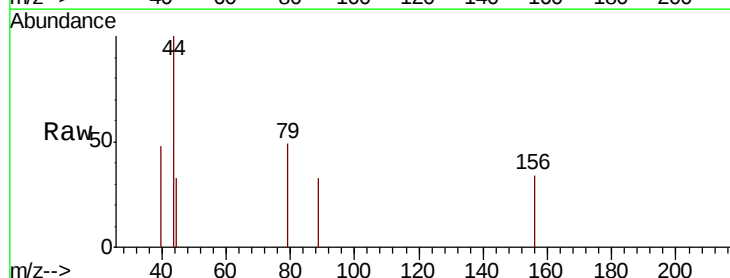
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 68.1 102.1#

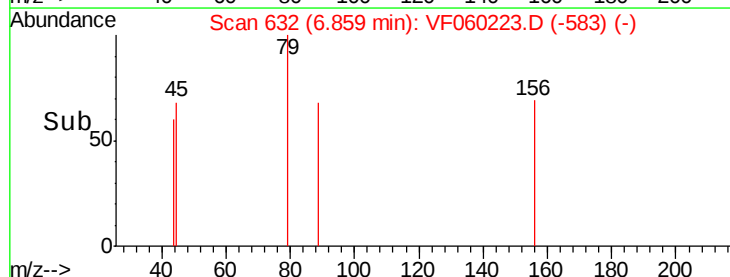
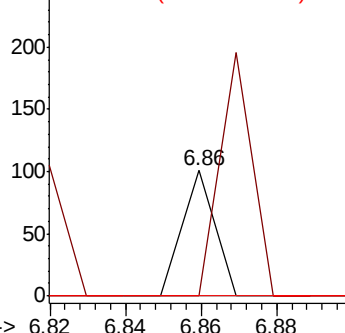
58 0.0 38.1 57.1#

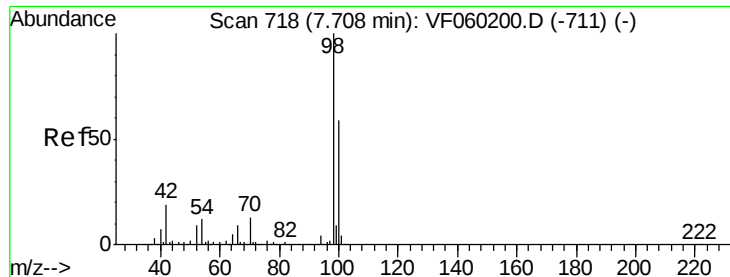


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

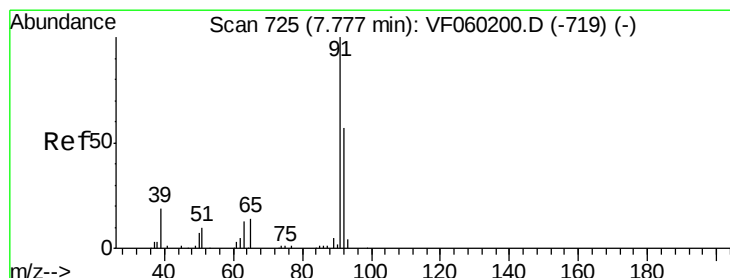
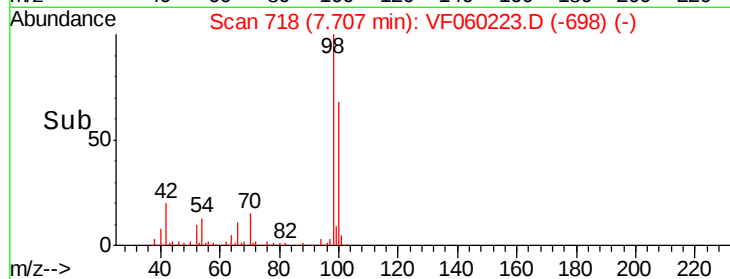
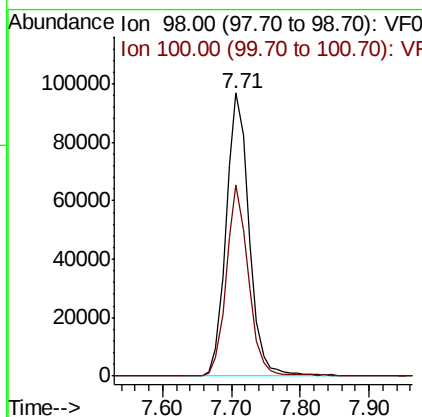
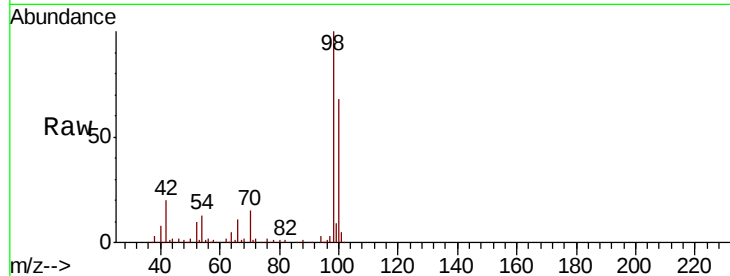




#50
Toluene-d8
Concen: 39.095 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

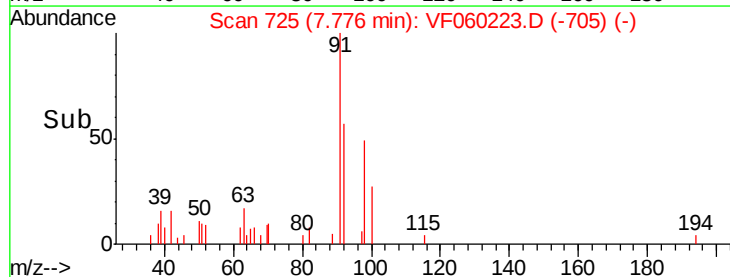
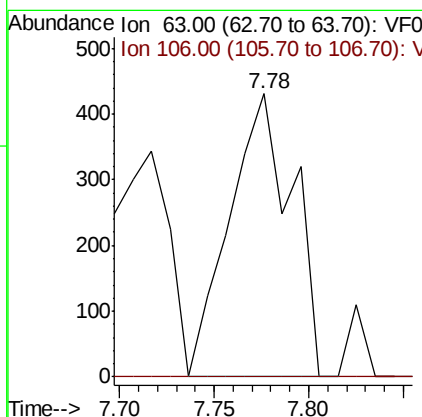
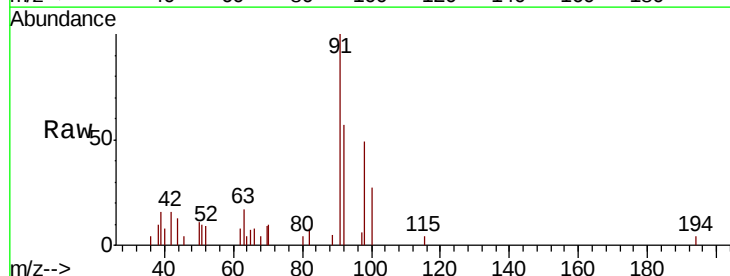
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F7

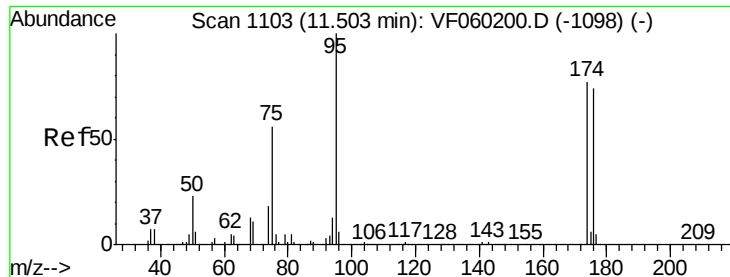
Tgt Ion: 98 Resp: 223289
Ion Ratio Lower Upper
98 100
100 67.5 47.4 71.0



#58
2-Chloroethyl Vinyl ether
Concen: 5.788 ug/l
RT: 7.78 min Scan# 725
Delta R.T. -0.00 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

Tgt Ion: 63 Resp: 993
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

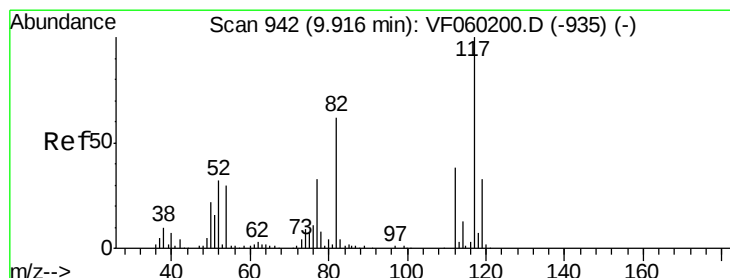
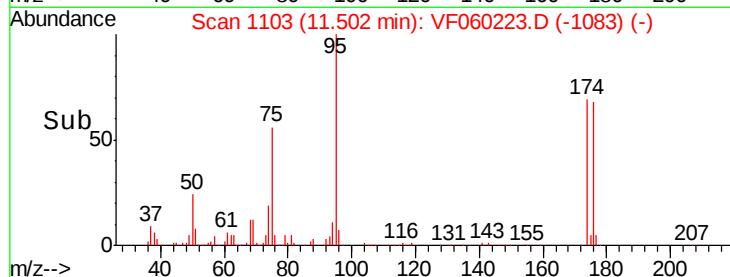
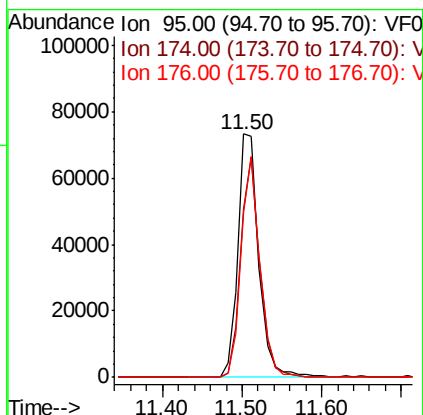
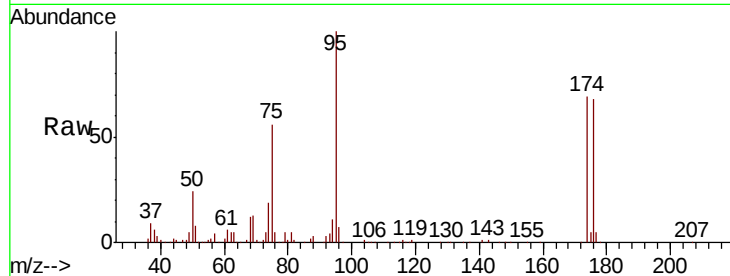




#62
4-Bromofluorobenzene
Concen: 41.850 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

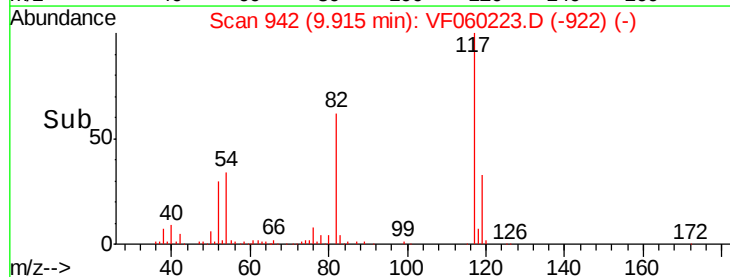
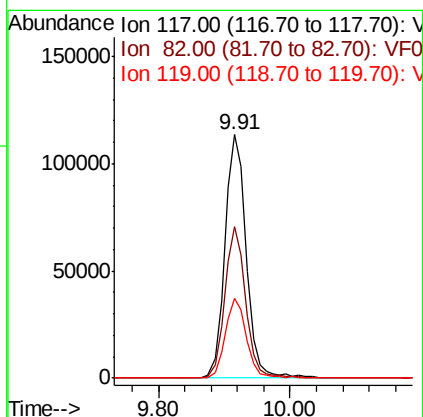
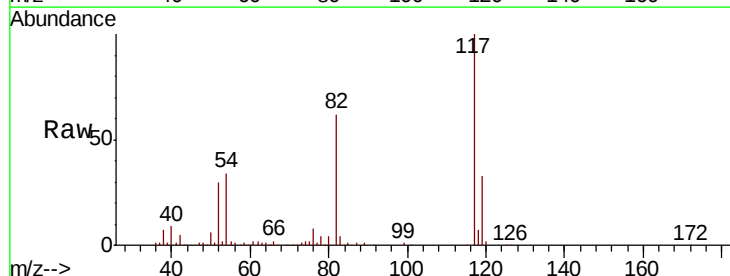
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F7

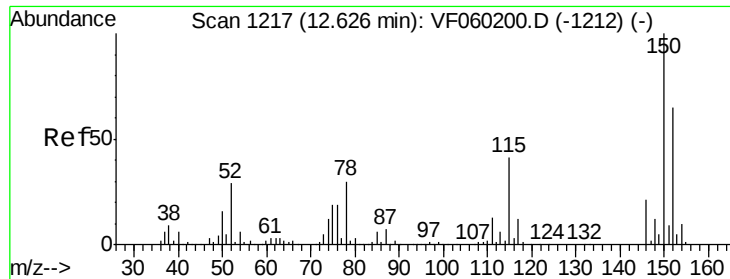
Tgt Ion: 95 Resp: 134859
Ion Ratio Lower Upper
95 100
174 69.2 0.0 153.2
176 67.6 0.0 147.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

Tgt Ion: 117 Resp: 257840
Ion Ratio Lower Upper
117 100
82 62.4 49.3 73.9
119 32.9 26.5 39.7



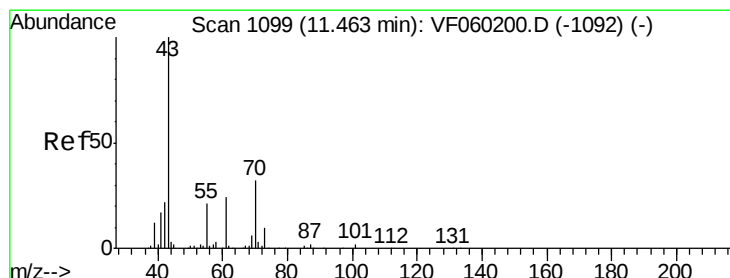
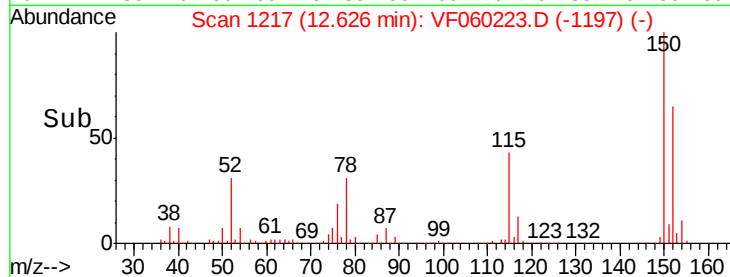
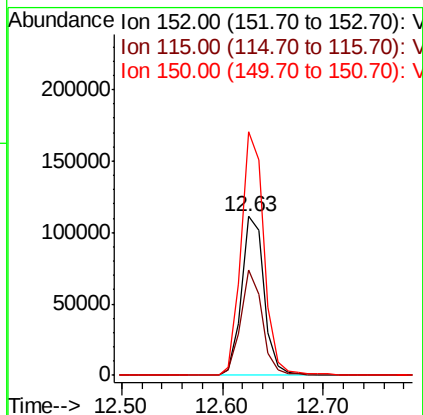
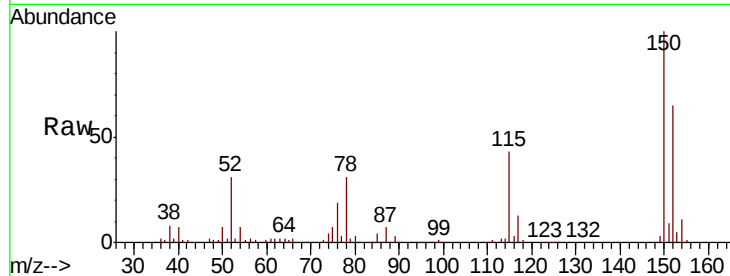


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F7

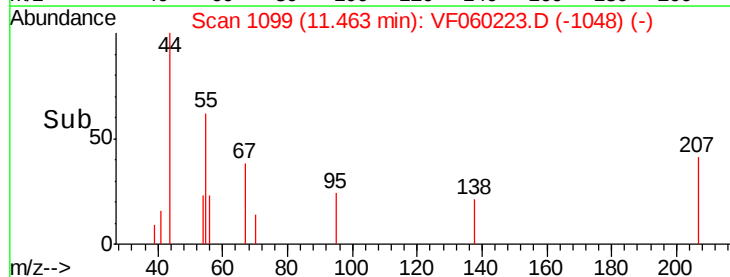
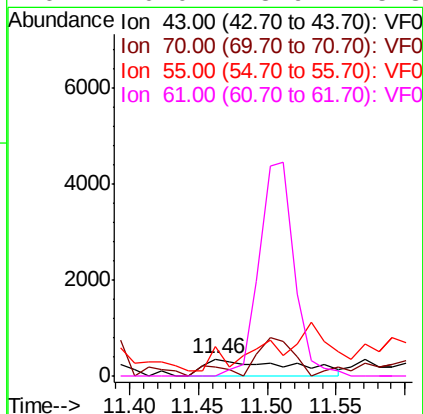
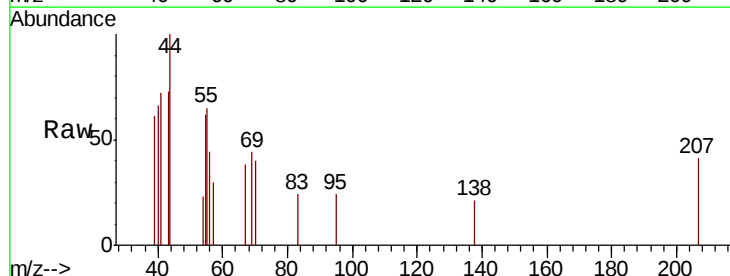
Tgt Ion:152 Resp: 175111
Ion Ratio Lower Upper
152 100
115 66.2 31.5 94.5
150 153.2 0.0 310.4

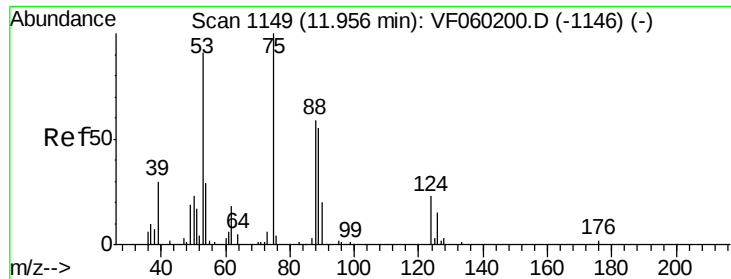


#74

N-amil acetate
Concen: 5.369 ug/l
RT: 11.46 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
70 54.9 25.8 38.6#
55 173.1 16.8 25.2#
61 0.0 18.9 28.3#

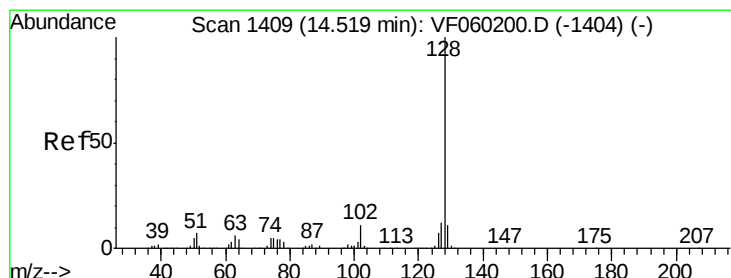
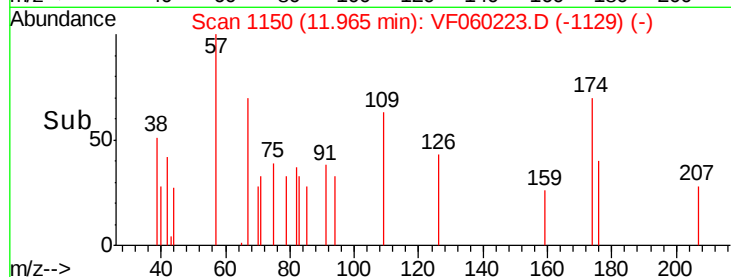
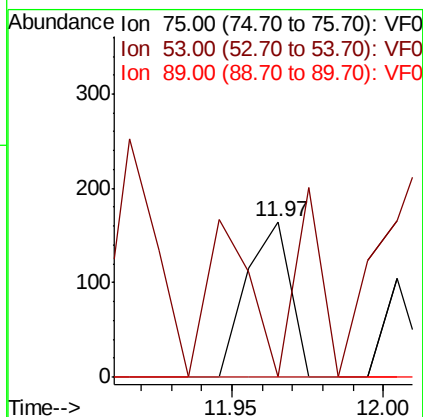
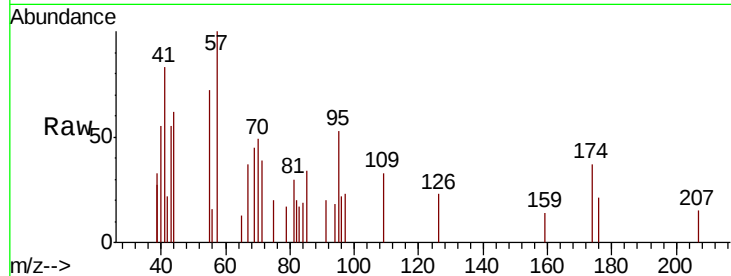




#81
trans-1,4-Dichloro-2-butene
Concen: 2.893 ug/l
RT: 11.97 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F7

Tgt Ion: 75 Resp: 166
Ion Ratio Lower Upper
75 100
53 0.0 76.5 114.7#
89 0.0 46.5 69.7#



#95
Naphthalene
Concen: 2.726 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060223.D
Acq: 7 Sep 2018 21:09

Tgt Ion: 128 Resp: 811
Ion Ratio Lower Upper
128 100
127 0.0 9.9 14.9#
129 15.7 8.9 13.3#

