

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060239.D
 Acq On : 10 Sep 2018 17:15
 Operator : VA/AP
 Sample : J4803-15
 Misc : 5.23/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-I7

Quant Time: Sep 11 07:17:11 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	172930	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	237723	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	250447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	152922	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	97302	32.21	ug/l	0.00
Spiked Amount			Recovery	=	64.42%	
35) Dibromofluoromethane	4.30	113	85478	36.70	ug/l	0.00
Spiked Amount			Recovery	=	73.40%	
50) Toluene-d8	7.71	98	213372	36.71	ug/l	0.00
Spiked Amount			Recovery	=	73.42%	
62) 4-Bromofluorobenzene	11.51	95	115721	35.29	ug/l	0.00
Spiked Amount			Recovery	=	70.58%	

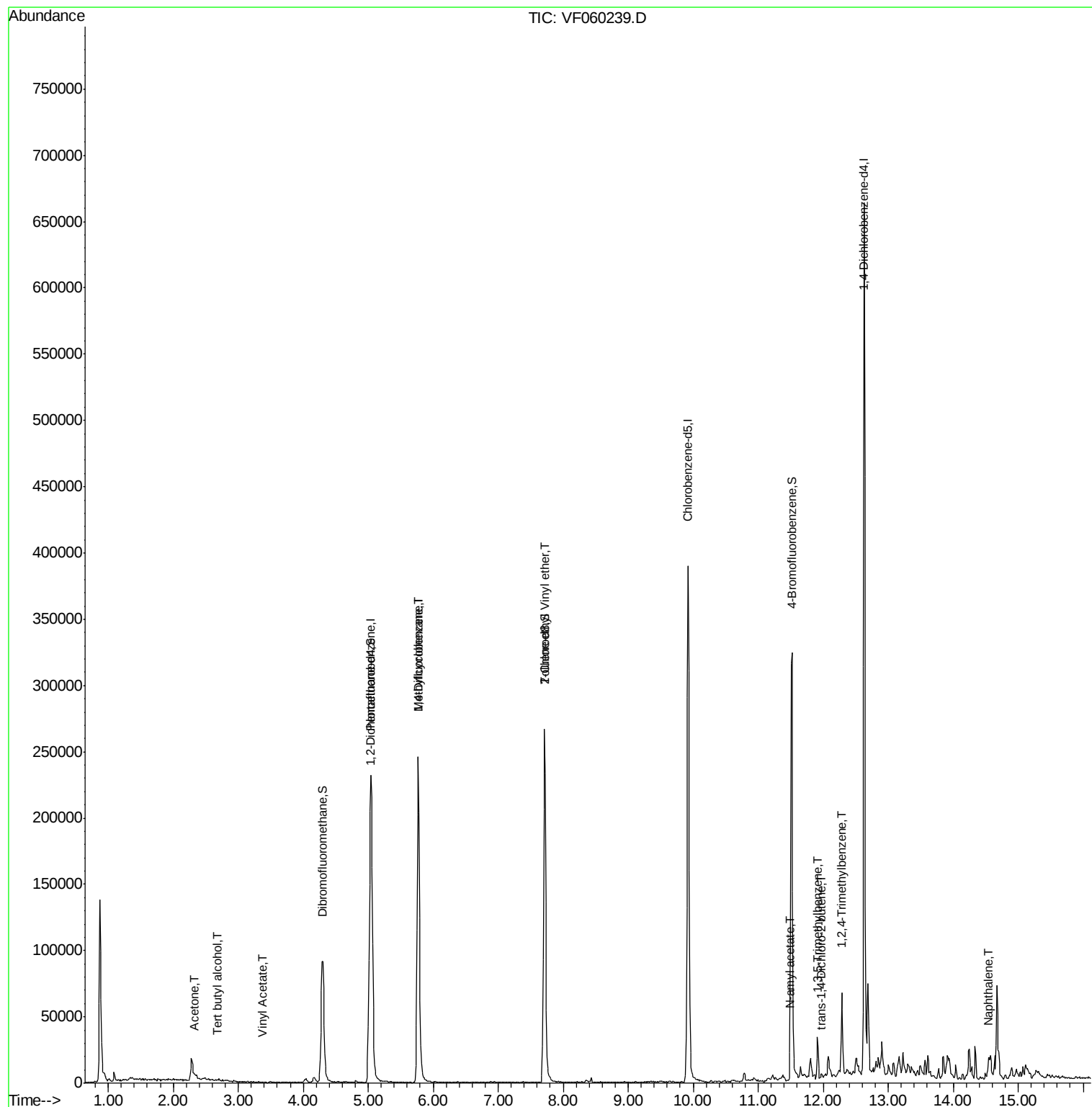
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	97	13.03	ug/l #	75
13) Acrolein	2.12	56	93	Below Cal	#	23
16) Acetone	2.34	43	2660	15.42	ug/l #	91
20) Methylene Chloride	2.29	84	9179	Below Cal	#	90
23) Vinyl Acetate	3.37	43	67	22.83	ug/l #	82
37) Ethyl Acetate	4.24	43	95	Below Cal	#	17
39) Methylcyclohexane	5.76	83	2468	1.05	ug/l #	50
58) 2-Chloroethyl Vinyl ether	7.72	63	263	1.51	ug/l	100
59) 2-Hexanone	9.63	43	726	Below Cal		71
74) N-amyl acetate	11.48	43	744	5.12	ug/l #	31
80) 1,3,5-Trimethylbenzene	11.91	105	16891	1.81	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.96	75	241	3.13	ug/l #	9
84) 1,2,4-Trimethylbenzene	12.29	105	29009	3.07	ug/l	92
95) Naphthalene	14.52	128	2202	2.97	ug/l #	82

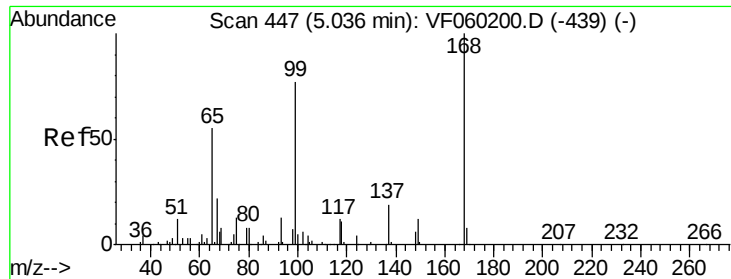
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060239.D

Acq: 10 Sep 2018 17:15

Instrument :

MSVOA_F

ClientSampleId :

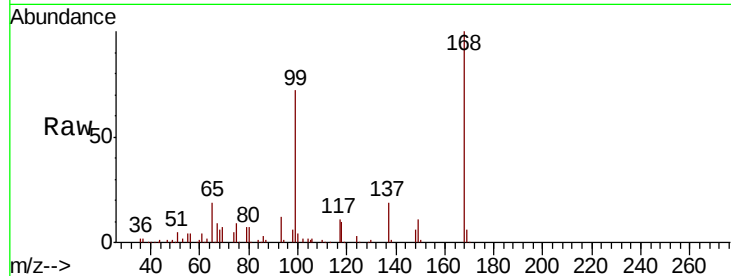
EP1-Q2-I7

Tot Ion:168 Resp: 172930

Ion Ratio Lower Upper

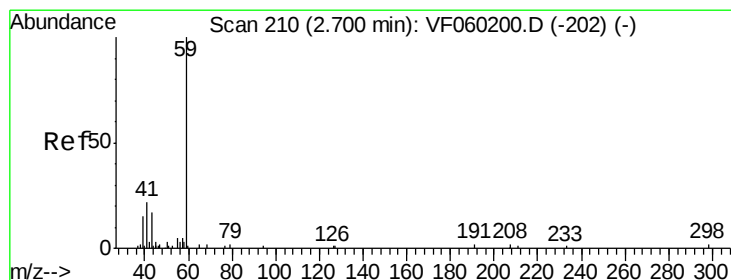
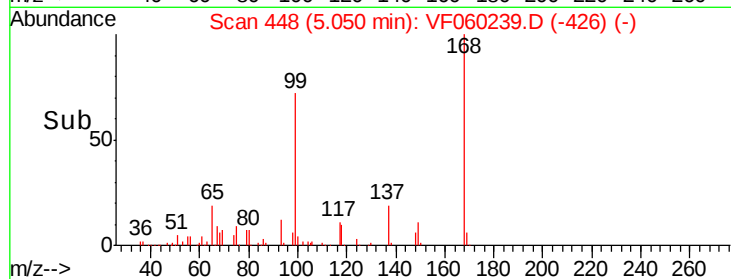
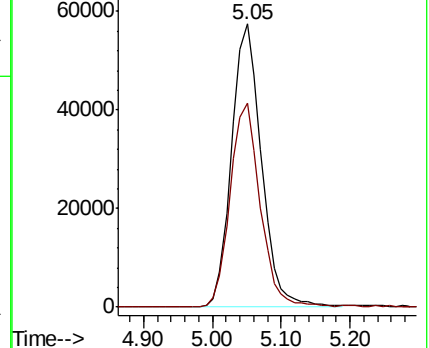
168 100

99 72.1 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 13.03 ug/l

RT: 2.68 min Scan# 208

Delta R.T. -0.02 min

Lab File: VF060239.D

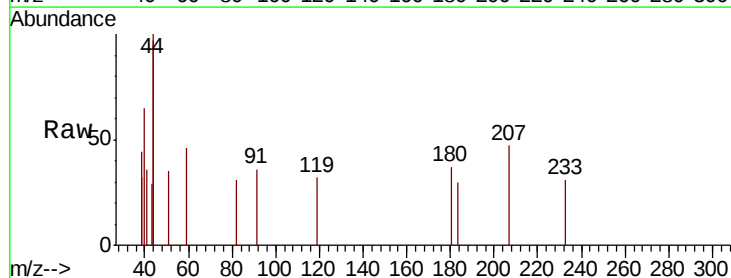
Acq: 10 Sep 2018 17:15

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

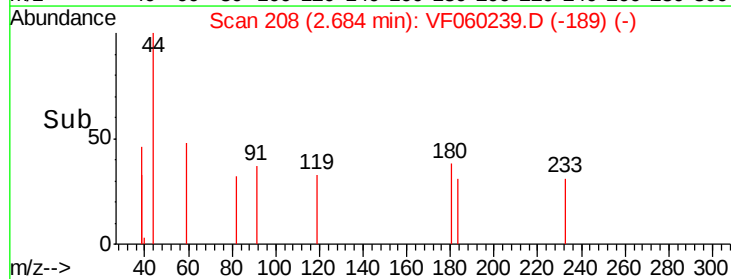
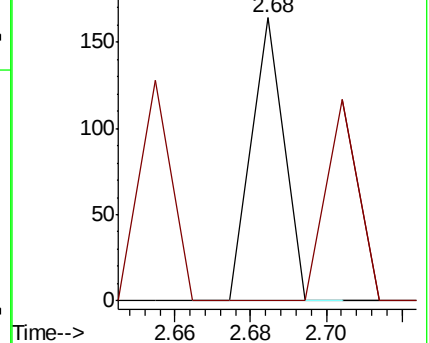
59 100

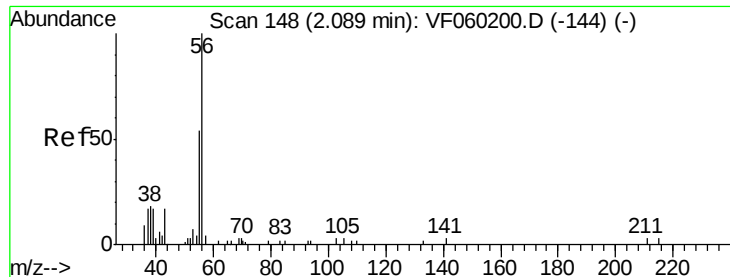
57 0.0 7.2 10.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.12 min Scan# 151

Delta R.T. 0.03 min

Lab File: VF060239.D

Acq: 10 Sep 2018 17:15

Instrument :

MSVOA_F

ClientSampleId :

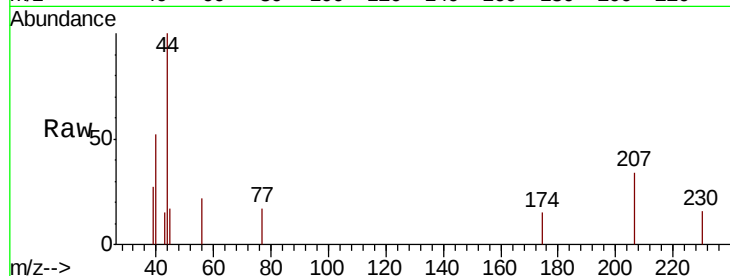
EP1-Q2-I7

Tot Ion: 56 Resp: 93

Ion Ratio Lower Upper

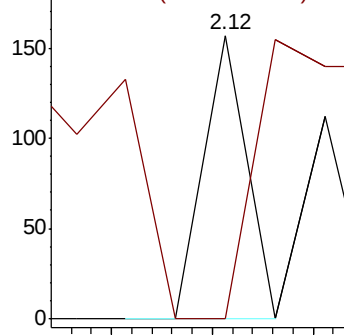
56 100

55 0.0 45.1 67.7#

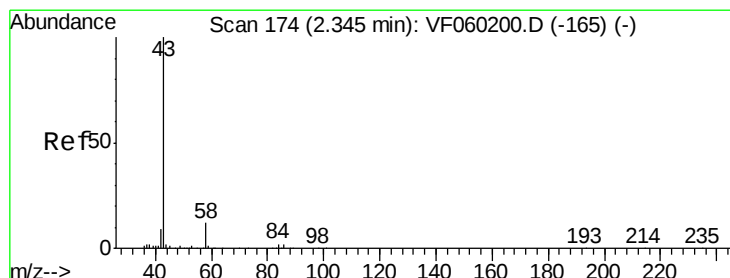
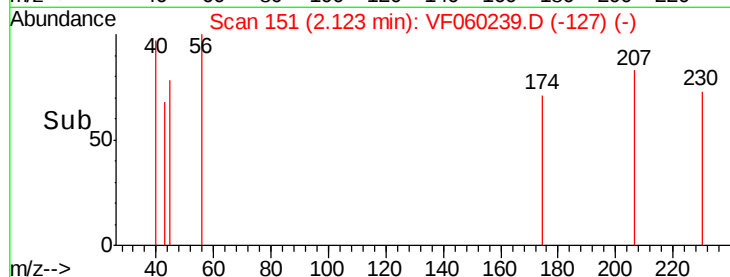


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#16

Acetone

Concen: 15.42 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060239.D

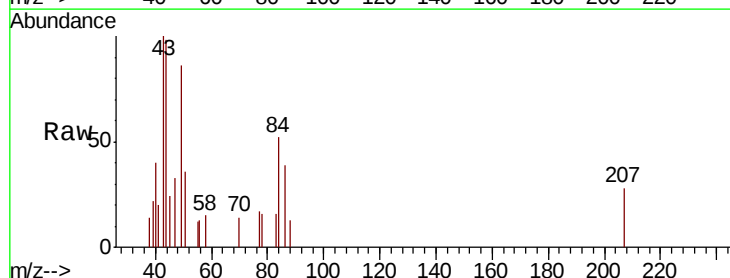
Acq: 10 Sep 2018 17:15

Tgt Ion: 43 Resp: 2660

Ion Ratio Lower Upper

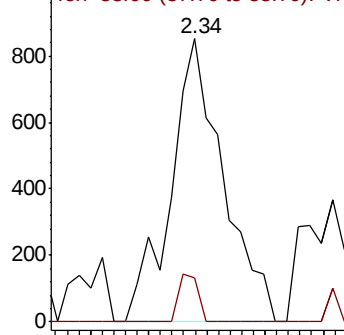
43 100

58 15.5 9.7 14.5#

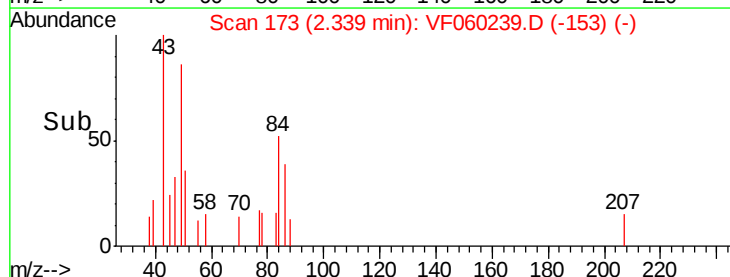


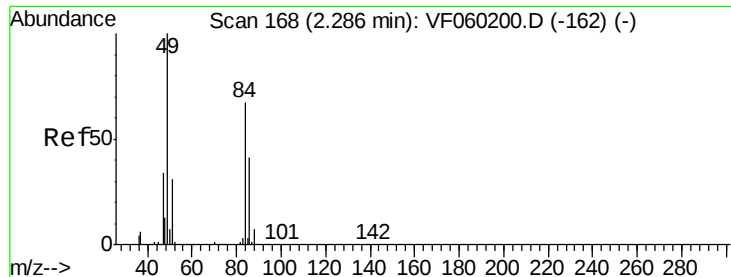
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

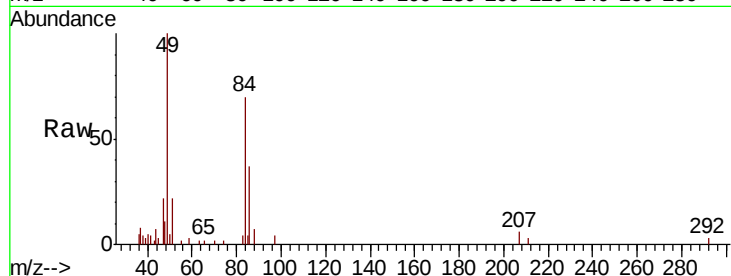




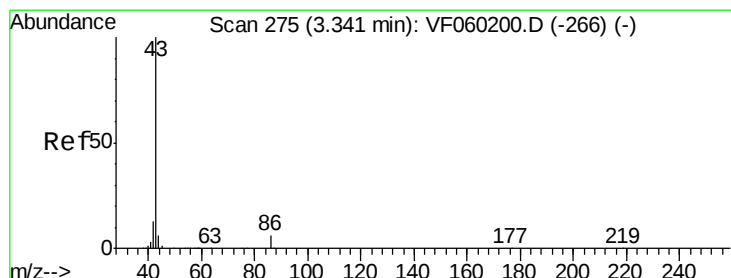
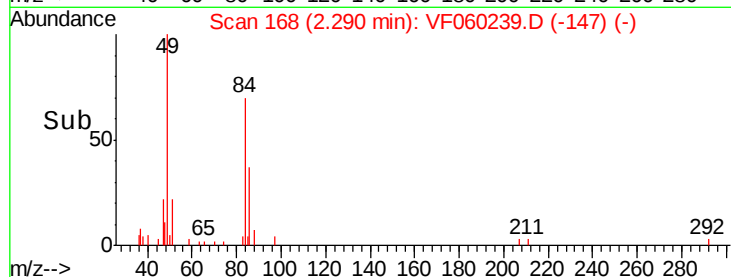
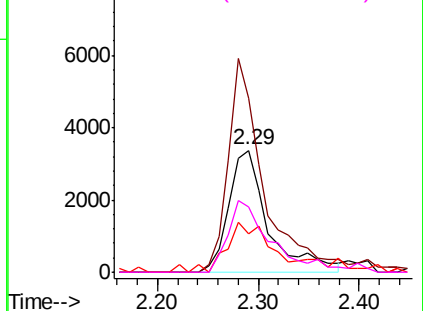
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF060239.D
Acq: 10 Sep 2018 17:15

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-I7

Tot Ion: 84 Resp: 9179
Ion Ratio Lower Upper
84 100
49 143.0 120.1 180.1
51 31.3 37.0 55.6#
86 53.2 49.0 73.6

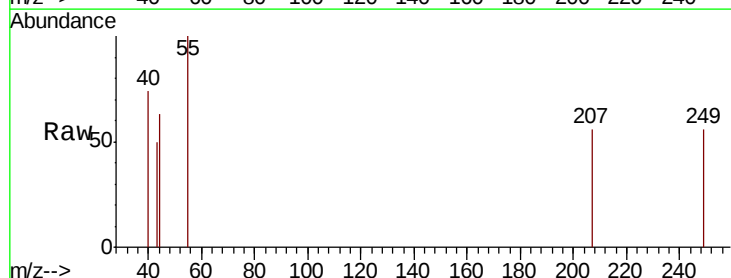


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

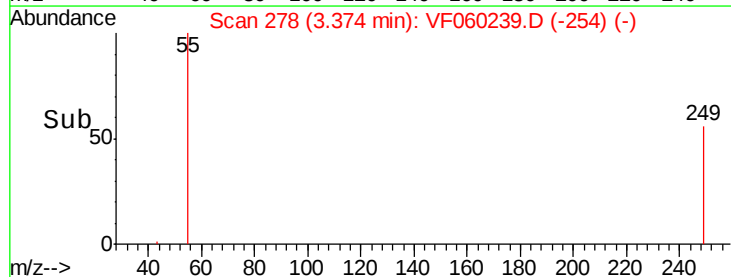
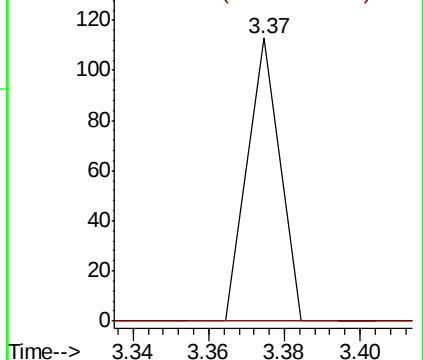


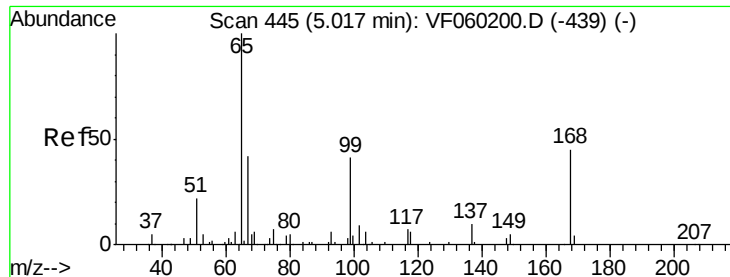
#23
Vinyl Acetate
Concen: 22.83 ug/l
RT: 3.37 min Scan# 278
Delta R.T. 0.03 min
Lab File: VF060239.D
Acq: 10 Sep 2018 17:15

Tgt Ion: 43 Resp: 67
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

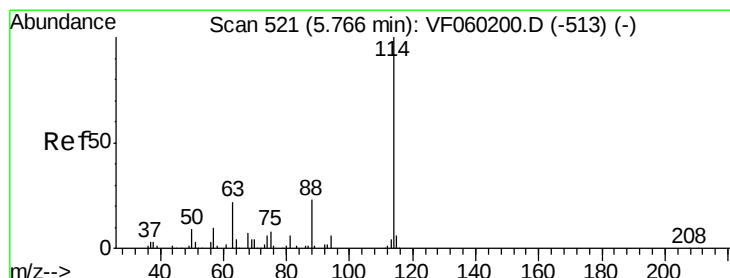
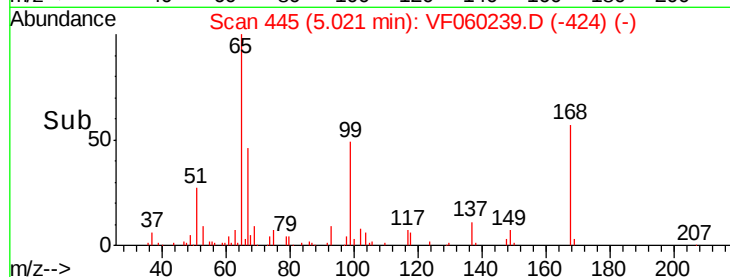
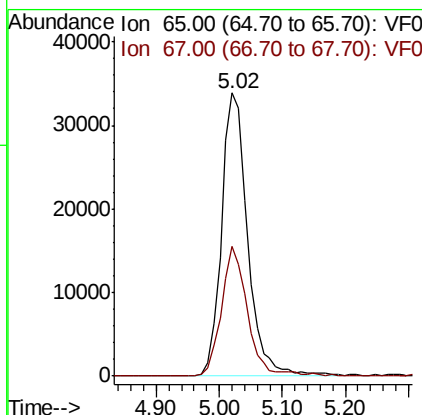
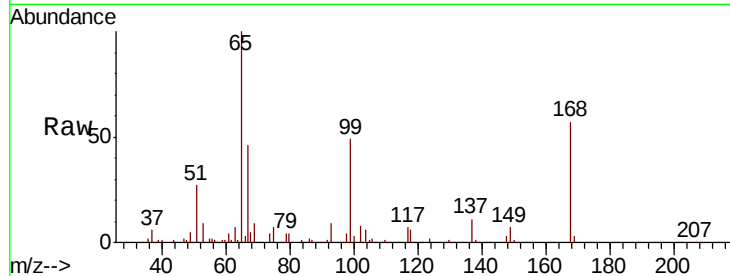




#33
 1,2-Dichloroethane-d4
 Concen: 32.21 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VF060239.D
 Acq: 10 Sep 2018 17:15

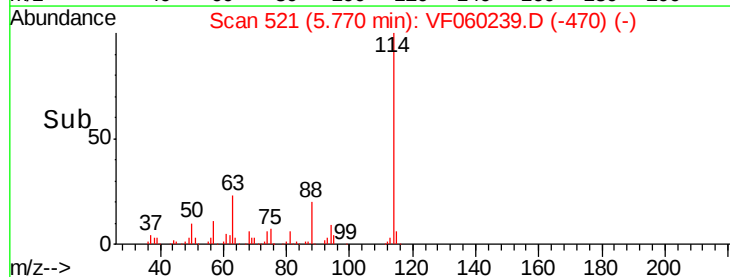
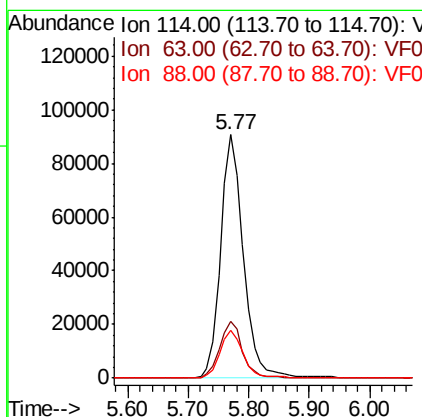
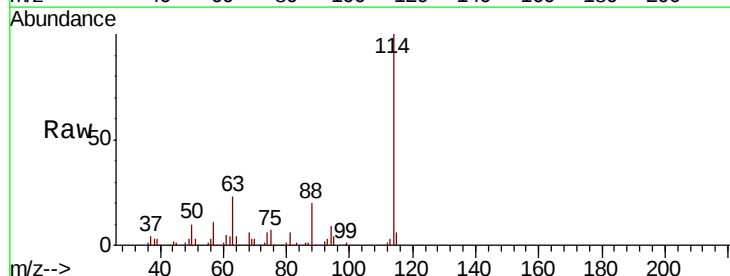
Instrument :
 MSVOA_F
 ClientSampled :
 EP1-Q2-I7

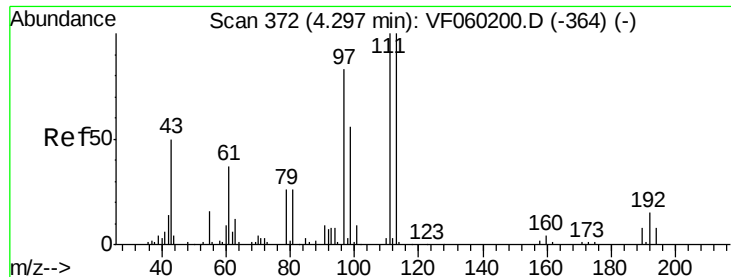
Tot Ion: 65 Resp: 97302
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 87.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060239.D
 Acq: 10 Sep 2018 17:15

Tgt Ion: 114 Resp: 237723
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 19.7 0.0 46.4

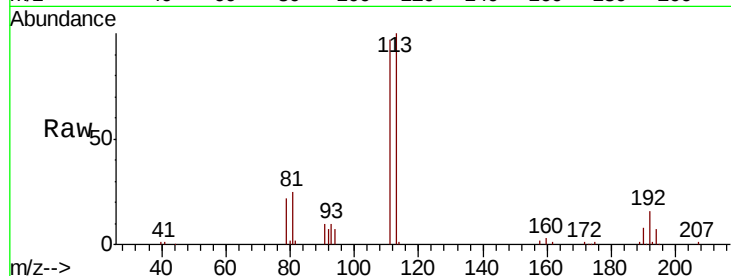




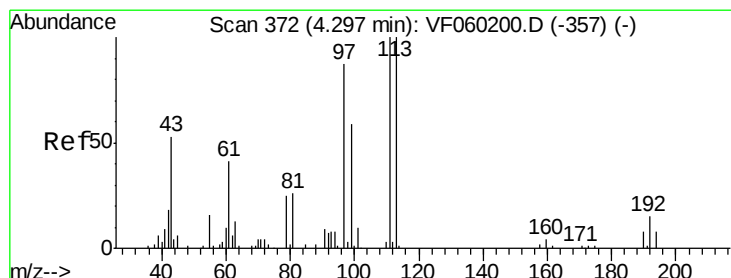
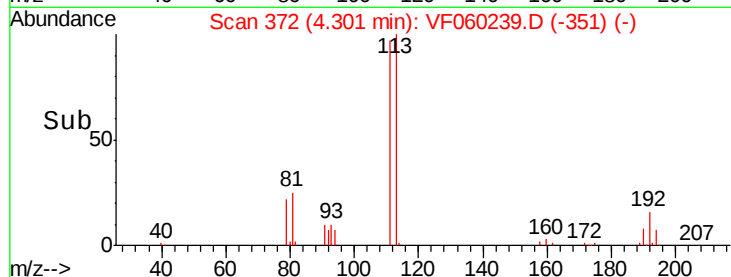
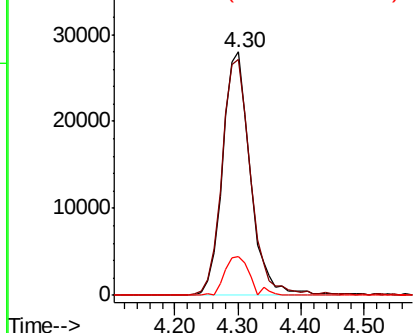
#35
 Dibromofluoromethane
 Concen: 36.70 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VF060239.D
 Acq: 10 Sep 2018 17:15

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-I7

Tot Ion:113 Resp: 85478
 Ion Ratio Lower Upper
 113 100
 111 96.8 80.2 120.2
 192 16.1 11.8 17.8

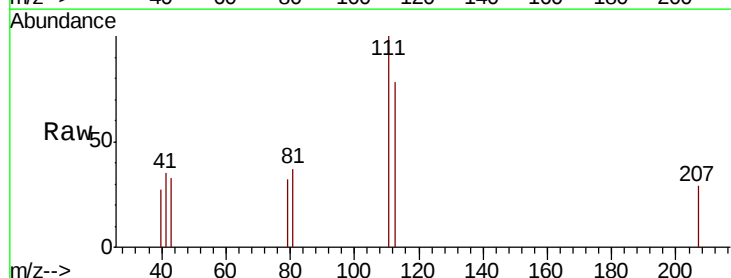


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

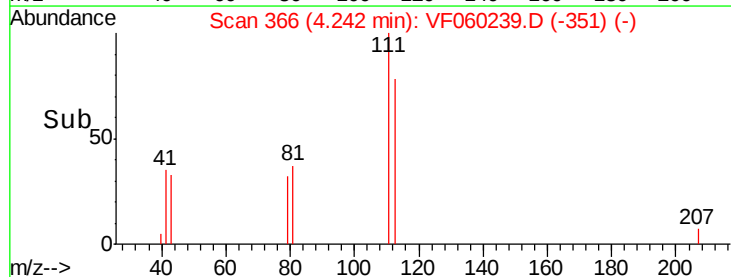
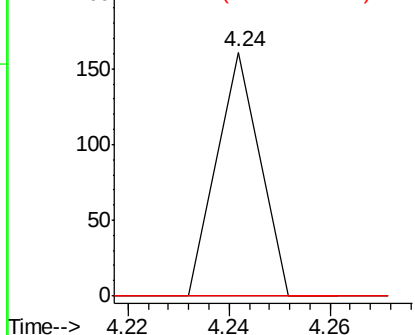


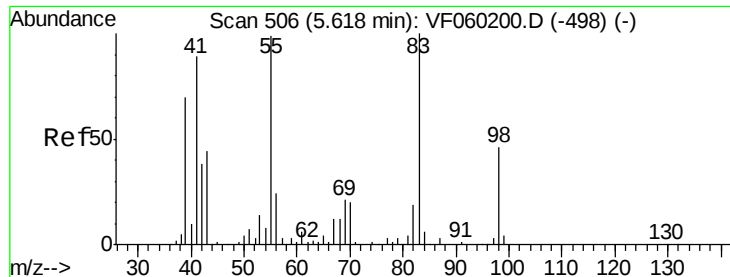
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.24 min Scan# 366
 Delta R.T. -0.05 min
 Lab File: VF060239.D
 Acq: 10 Sep 2018 17:15

Tgt Ion: 43 Resp: 95
 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

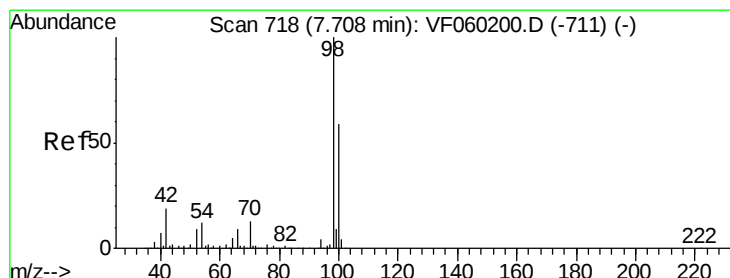
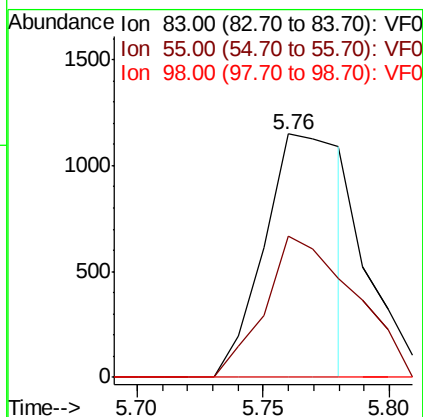
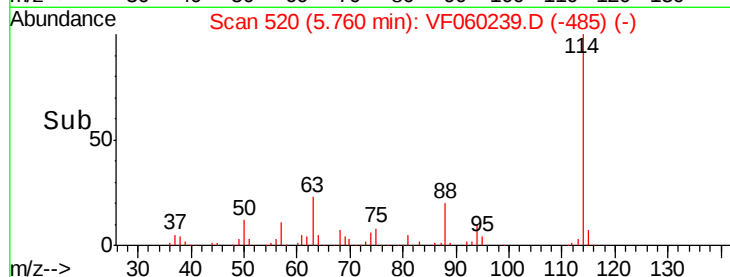
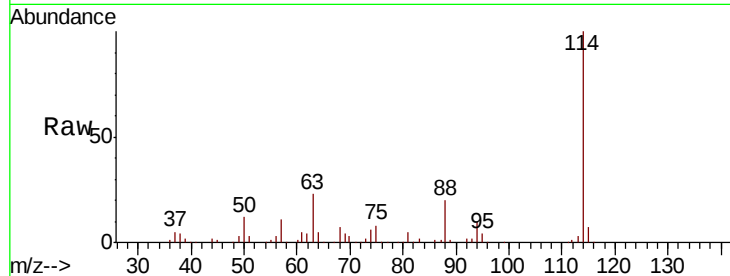




#39
Methylcyclohexane
Concen: 1.05 ug/l
RT: 5.76 min Scan# 520
Delta R.T. 0.14 min
Lab File: VF060239.D
Acq: 10 Sep 2018 17:15

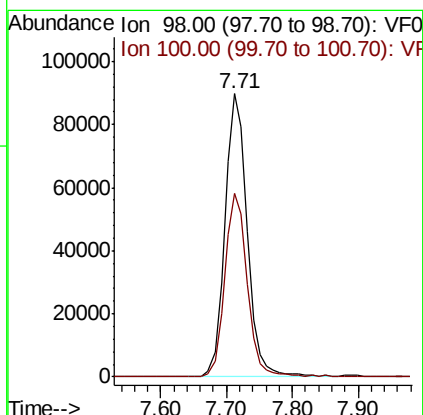
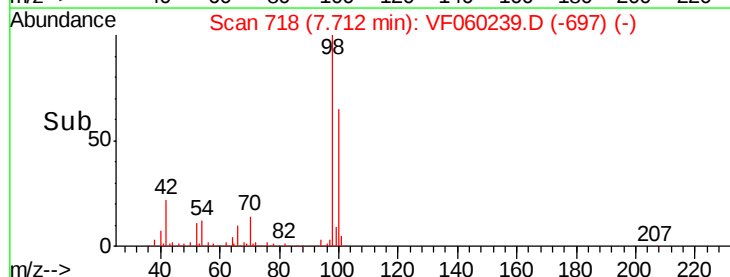
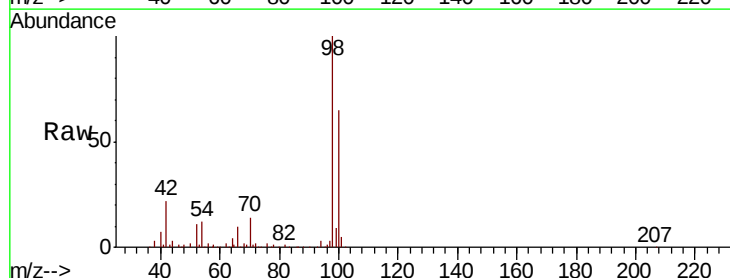
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MSVOA_F
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EP1-Q2-I7

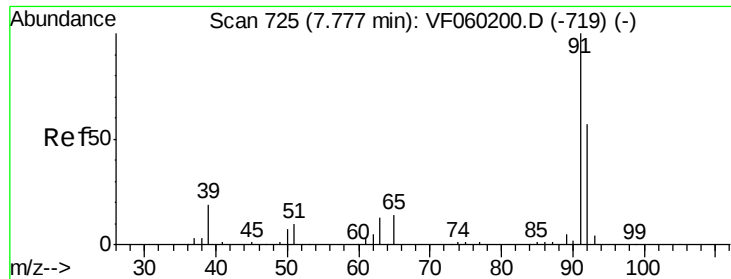
Tot Ion: 83 Resp: 2468
Ion Ratio Lower Upper
83 100
55 58.0 79.0 118.4#
98 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 36.71 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060239.D
Acq: 10 Sep 2018 17:15

Tgt Ion: 98 Resp: 213372
Ion Ratio Lower Upper
98 100
100 64.7 47.4 71.0

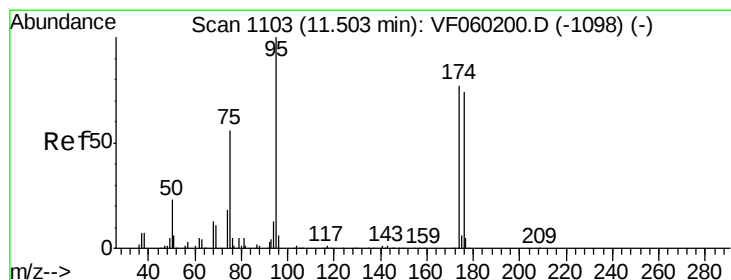
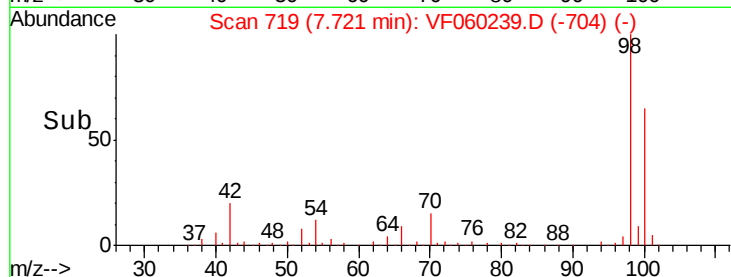
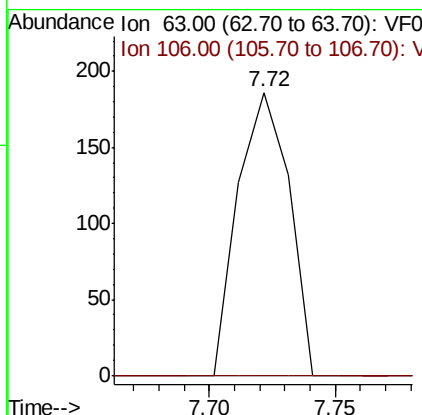
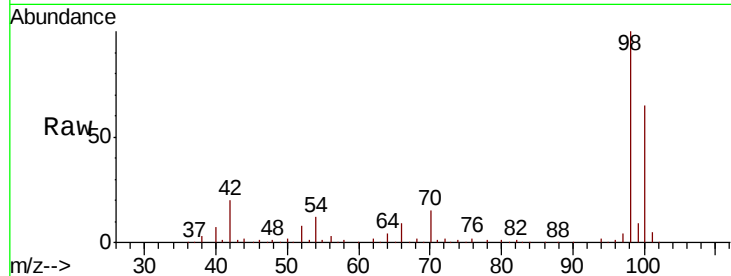




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.51 ug/l
 RT: 7.72 min Scan# 719
 Delta R.T. -0.06 min
 Lab File: VF060239.D
 Acq: 10 Sep 2018 17:15

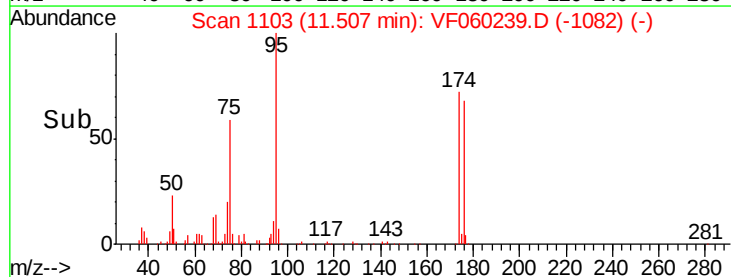
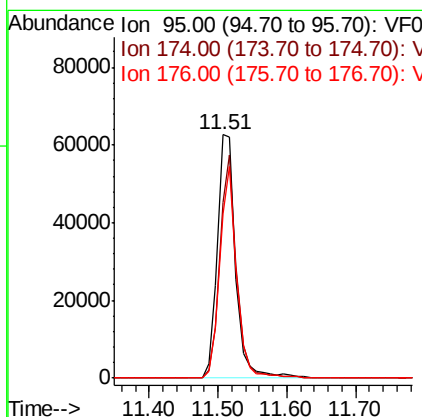
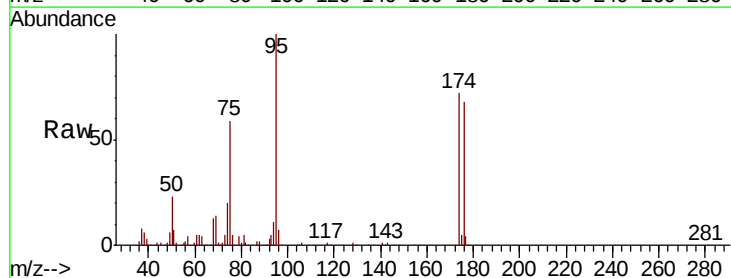
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-I7

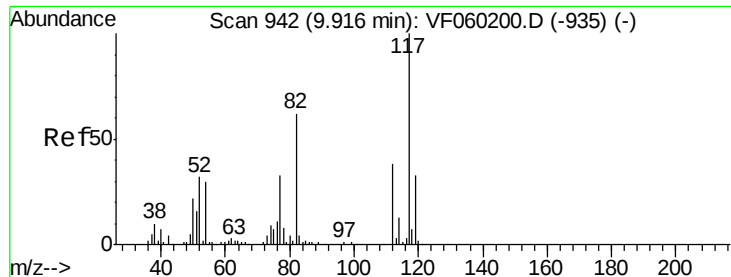
Tot Ion: 63 Resp: 263
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 35.29 ug/l
 RT: 11.51 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VF060239.D
 Acq: 10 Sep 2018 17:15

Tgt Ion: 95 Resp: 115721
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 153.2
 176 67.6 0.0 147.2

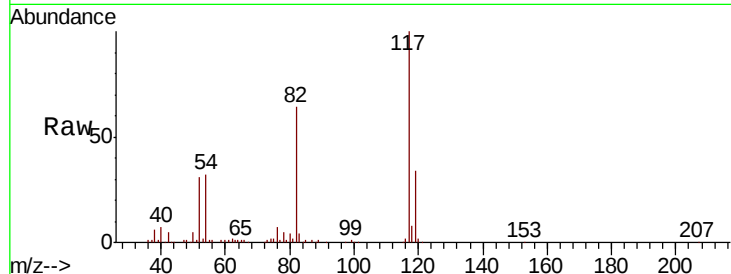




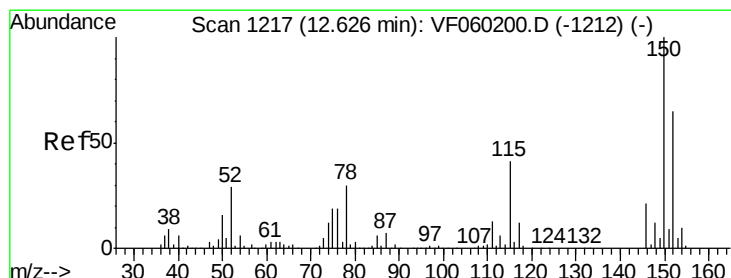
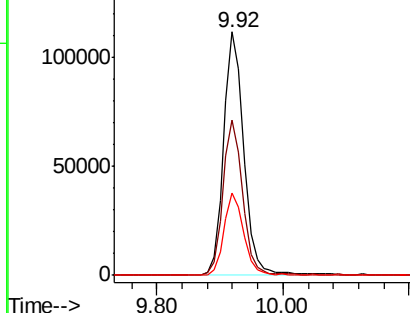
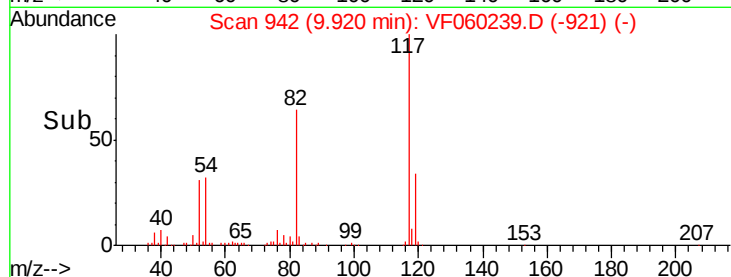
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060239.D
Acq: 10 Sep 2018 17:15

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-I7

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.9	49.3	73.9
119	33.7	26.5	39.7

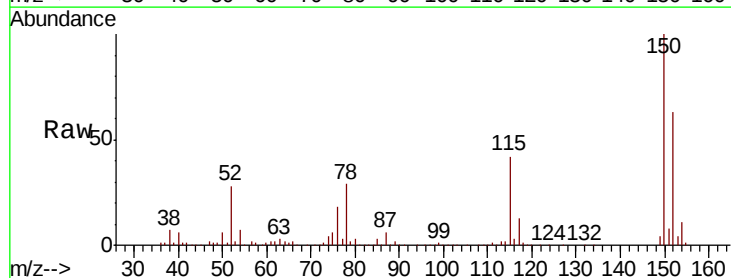


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

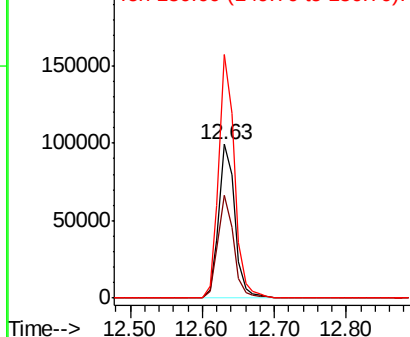
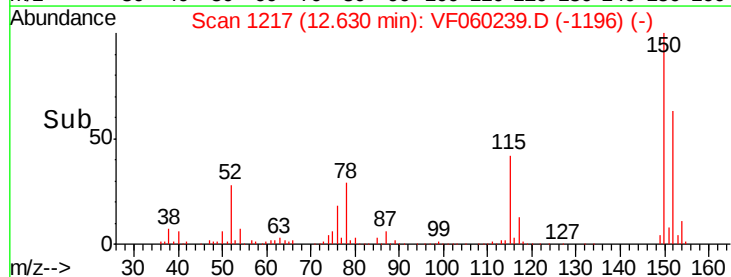


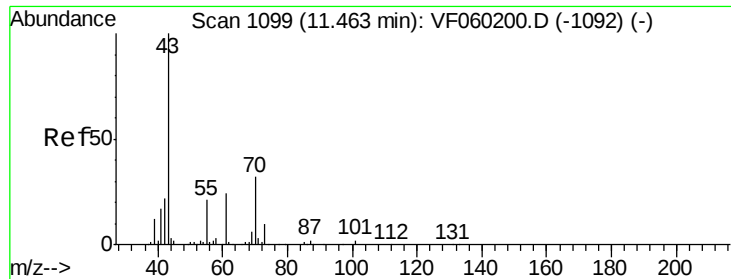
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060239.D
Acq: 10 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.6	31.5	94.5
150	158.3	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-amvl acetate

Concen: 5.12 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VF060239.D

Acq: 10 Sep 2018 17:15

Instrument :

MSVOA_F

ClientSampled :

EP1-Q2-I7

Tot Ion: 43 Resp: 744

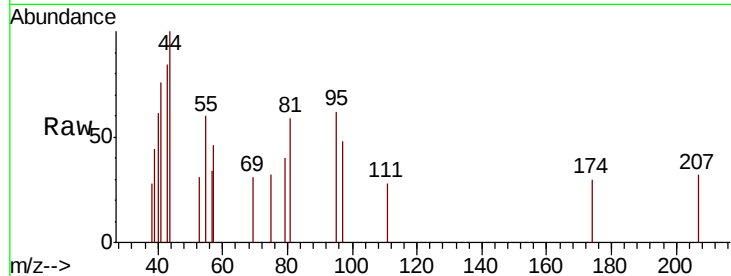
Ion Ratio Lower Upper

43 100

70 0.0 25.8 38.6#

55 72.1 16.8 25.2#

61 0.0 18.9 28.3#

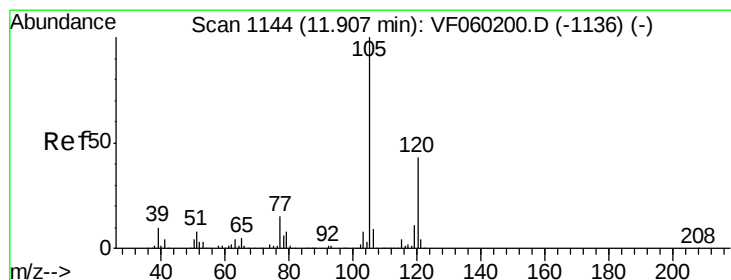
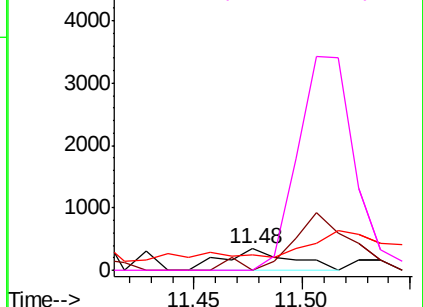
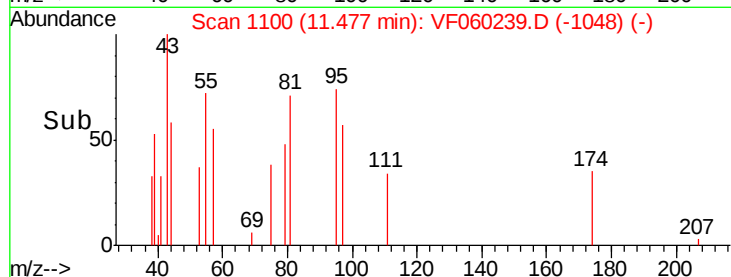


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#80

1,3,5-Trimethylbenzene

Concen: 1.81 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060239.D

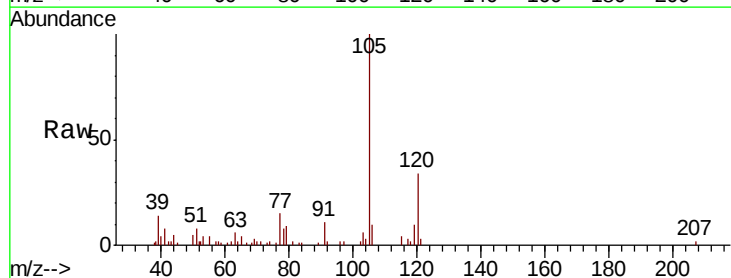
Acq: 10 Sep 2018 17:15

Tgt Ion:105 Resp: 16891

Ion Ratio Lower Upper

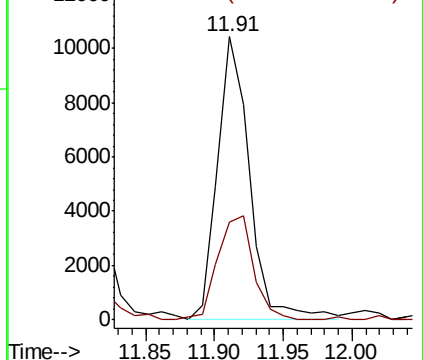
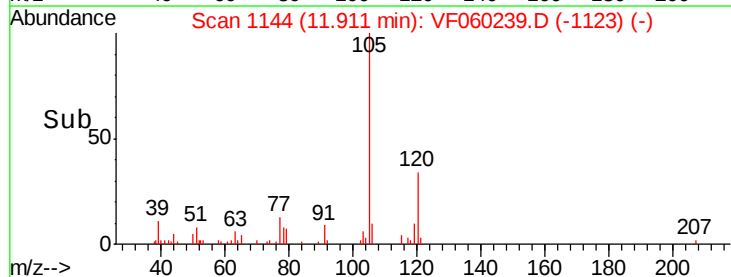
105 100

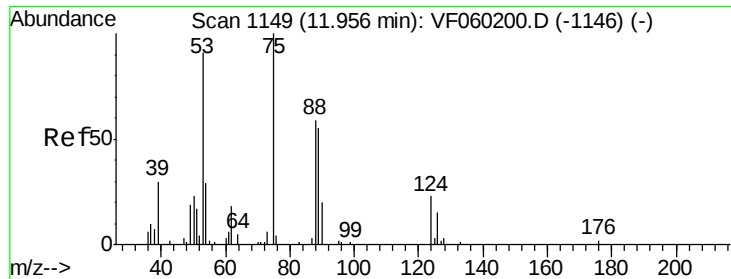
120 34.4 21.6 64.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 3.13 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060239.D

Acq: 10 Sep 2018 17:15

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-I7

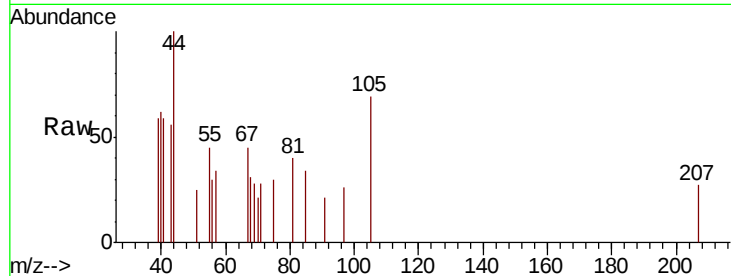
Tot Ion: 75 Resp: 241

Ion Ratio Lower Upper

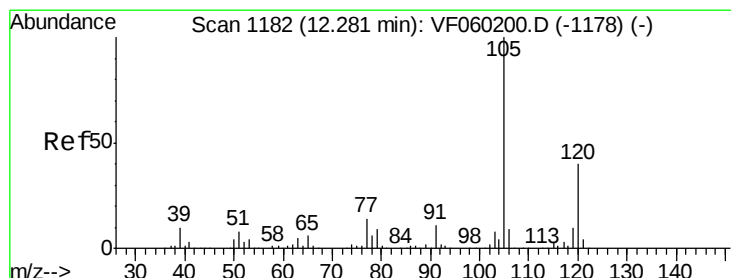
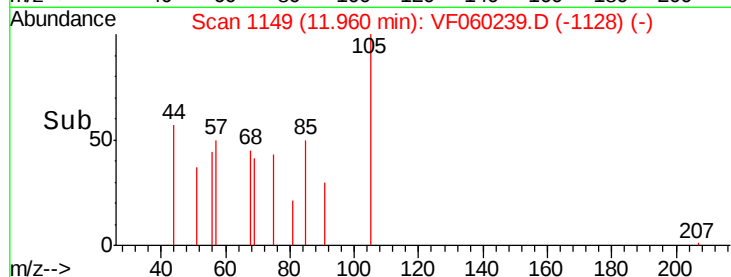
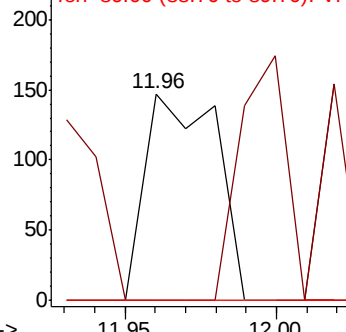
75 100

53 0.0 76.5 114.7#

89 0.0 46.5 69.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#84

1,2,4-Trimethylbenzene

Concen: 3.07 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VF060239.D

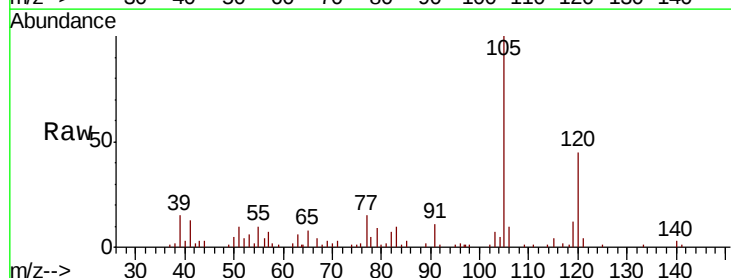
Acq: 10 Sep 2018 17:15

Tgt Ion: 105 Resp: 29009

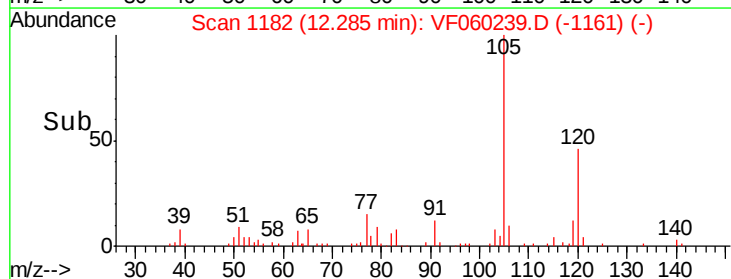
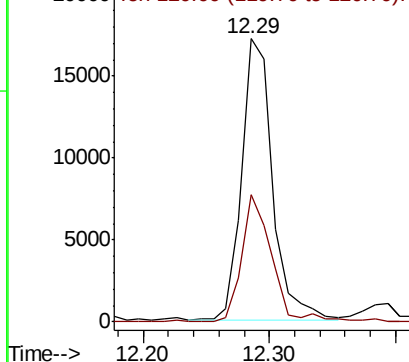
Ion Ratio Lower Upper

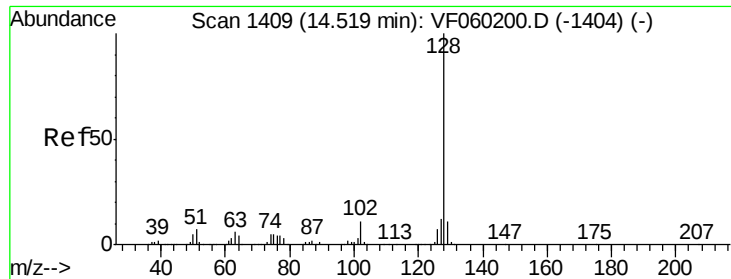
105 100

120 45.0 20.2 60.5



Abundance Ion 105.00 (104.70 to 105.70): V
20000 Ion 120.00 (119.70 to 120.70): V

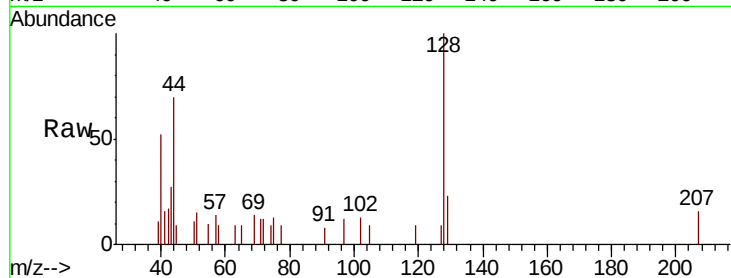




#95
Naphthalene
Concen: 2.97 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060239.D
Acq: 10 Sep 2018 17:15

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-I7

Tot Ion:128 Resp: 2202
Ion Ratio Lower Upper
128 100
127 9.3 9.9 14.9#
129 22.5 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

