

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060240.D
 Acq On : 10 Sep 2018 17:42
 Operator : VA/AP
 Sample : J4803-16
 Misc : 5.23/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J5

Quant Time: Sep 11 07:17:24 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	207461	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	305217	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	304346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	179234	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	107952	29.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	59.58%		
35) Dibromofluoromethane	4.29	113	102798	34.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	68.76%		
50) Toluene-d8	7.71	98	265689	35.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	71.22%		
62) 4-Bromofluorobenzene	11.52	95	139076	33.03	ug/l	0.01
Spiked Amount 50.000			Recovery =	66.06%		

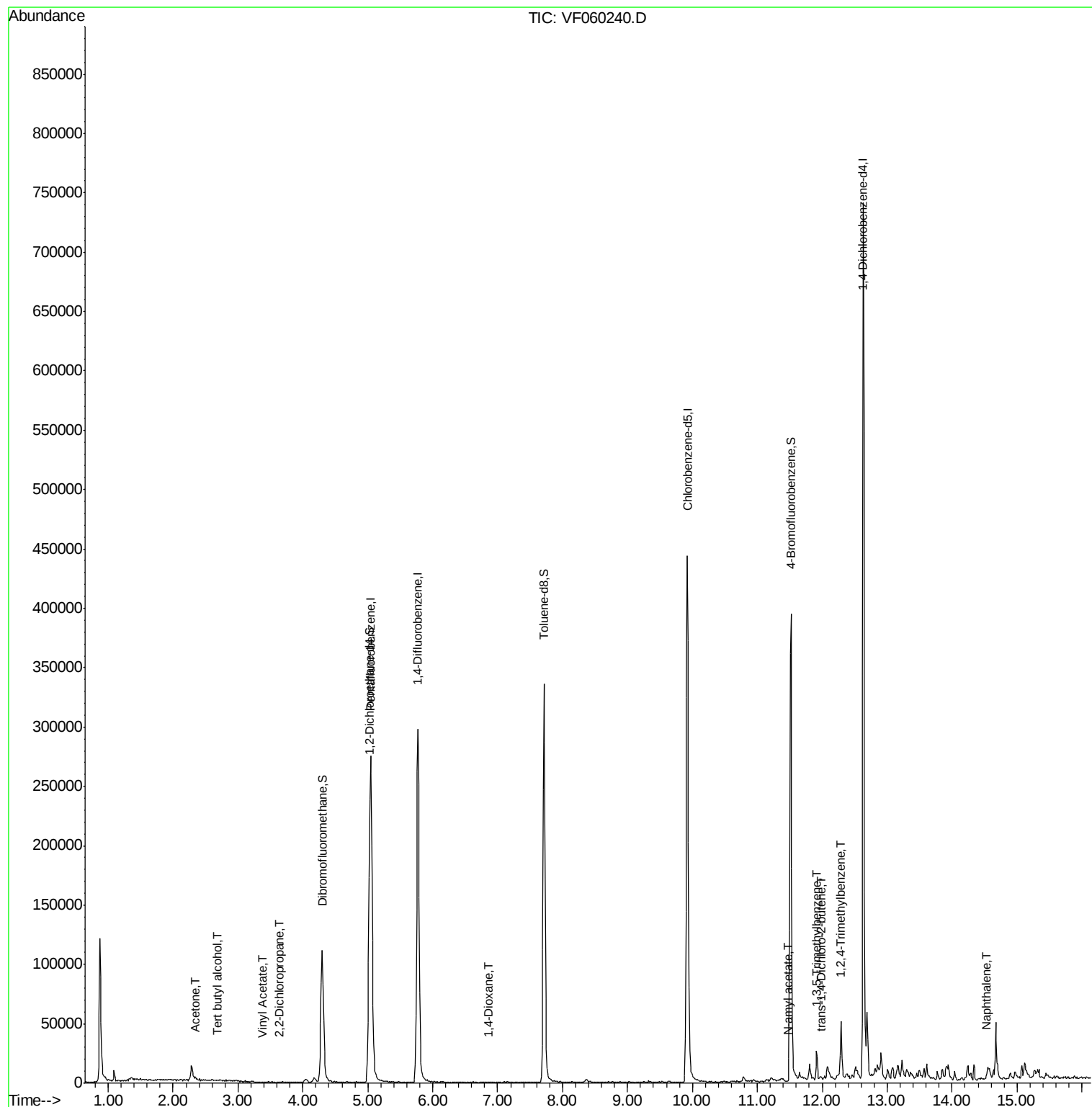
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	63	12.79	ug/l #	75
13) Acrolein	2.13	56	62	Below Cal	#	26
16) Acetone	2.34	43	1363	13.83	ug/l #	69
20) Methylene Chloride	2.28	84	6413	Below Cal	#	65
23) Vinyl Acetate	3.38	43	202	22.88	ug/l #	82
26) 2,2-Dichloropropane	3.63	77	134	2.06	ug/l #	64
37) Ethyl Acetate	4.30	43	500	Below Cal	#	17
49) 1,4-Dioxane	6.85	88	62	2.54	ug/l #	14
59) 2-Hexanone	9.62	43	769	Below Cal	#	34
64) Tetrachloroethene	8.31	164	66	Below Cal	#	1
74) N-amyl acetate	11.47	43	409	4.95	ug/l #	49
80) 1,3,5-Trimethylbenzene	11.91	105	13076	1.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.98	75	92	2.73	ug/l #	9
84) 1,2,4-Trimethylbenzene	12.29	105	24670	2.23	ug/l	93
95) Naphthalene	14.52	128	1598	2.83	ug/l #	69

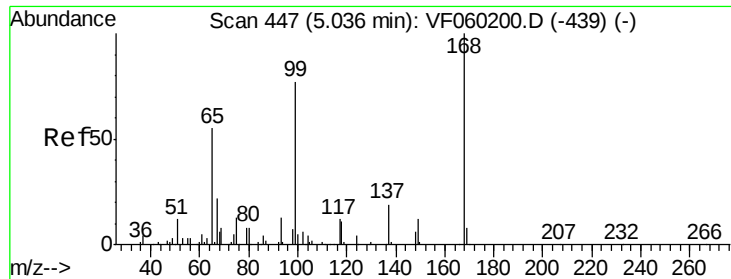
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060240.D

Acq: 10 Sep 2018 17:42

Instrument :

MSVOA_F

ClientSampleId :

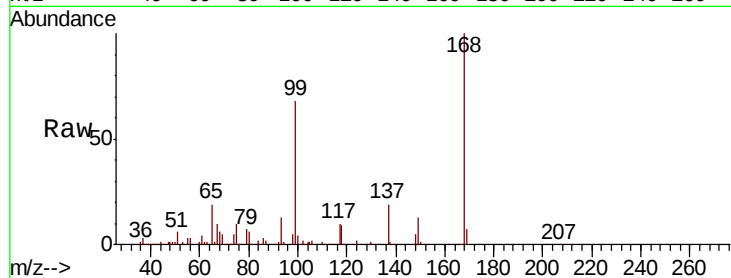
EP1-Q2-J5

Tot Ion:168 Resp: 207461

Ion Ratio Lower Upper

168 100

99 67.5 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

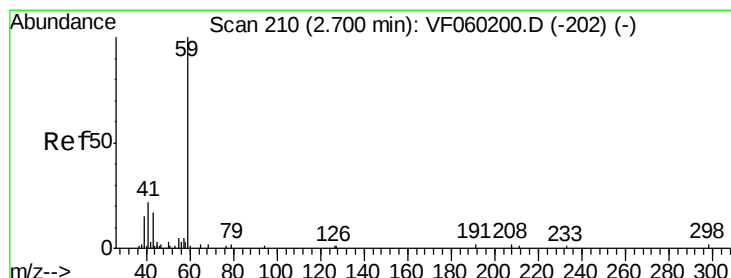
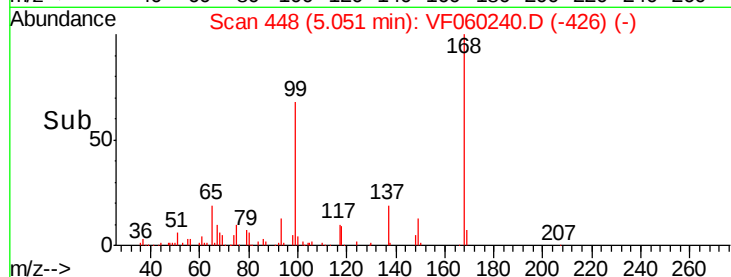
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 12.79 ug/l

RT: 2.69 min Scan# 209

Delta R.T. -0.01 min

Lab File: VF060240.D

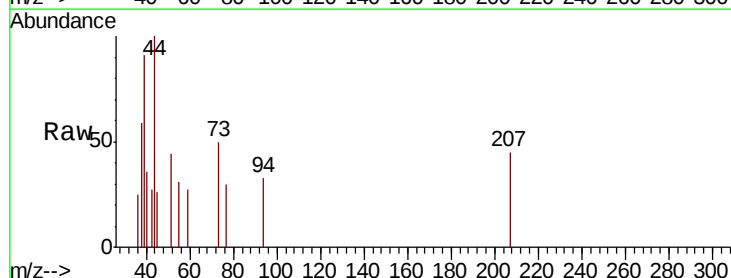
Acq: 10 Sep 2018 17:42

Tgt Ion: 59 Resp: 63

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

2.69

120

100

80

60

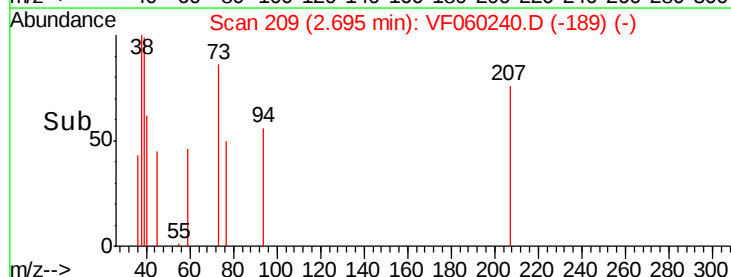
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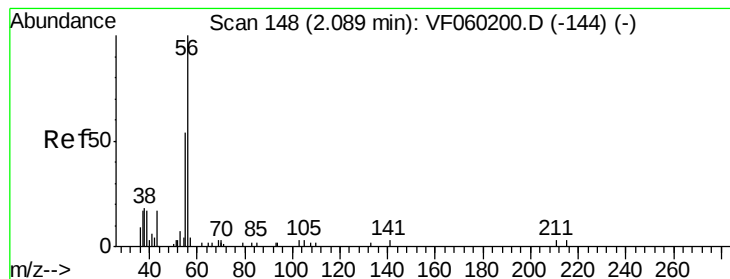
20

0

Time-->

2.66 2.68 2.70 2.72





#13

Acrolein

Concen: Below Cal

RT: 2.13 min Scan# 152

Delta R.T. 0.04 min

Lab File: VF060240.D

Acq: 10 Sep 2018 17:42

Instrument :

MSVOA_F

ClientSampleId :

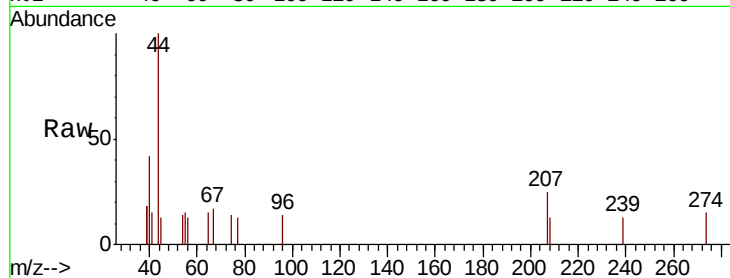
EP1-Q2-J5

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

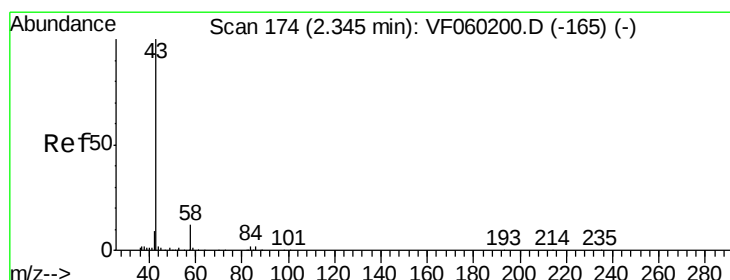
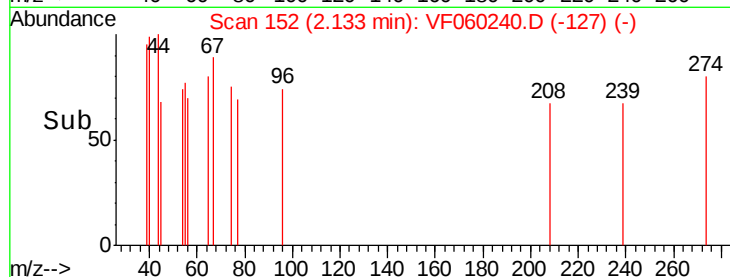
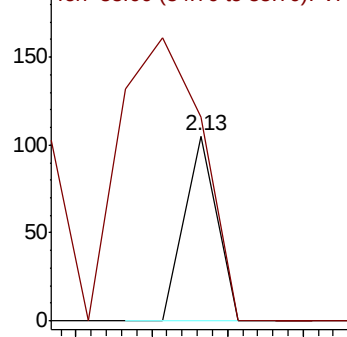
56 100

55 110.5 45.1 67.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 13.83 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060240.D

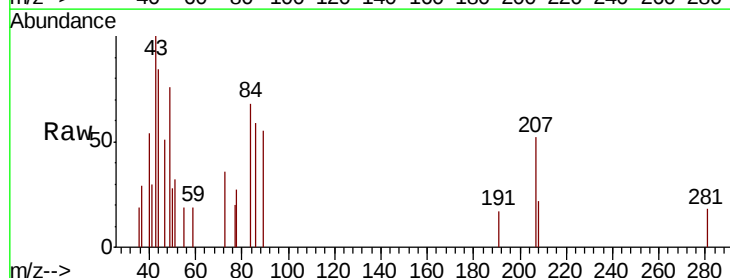
Acq: 10 Sep 2018 17:42

Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

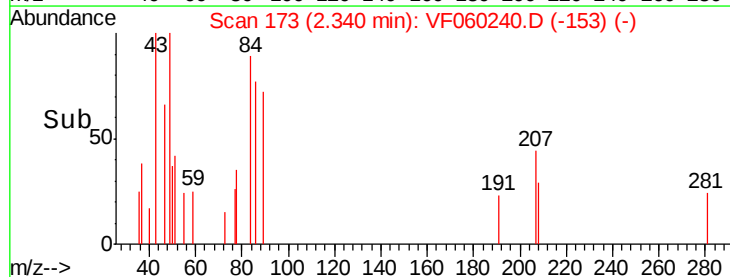
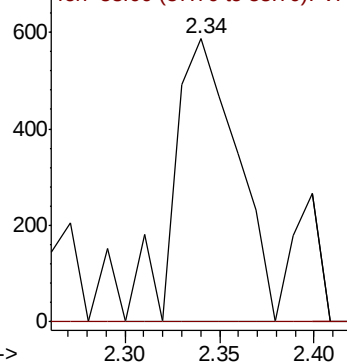
43 100

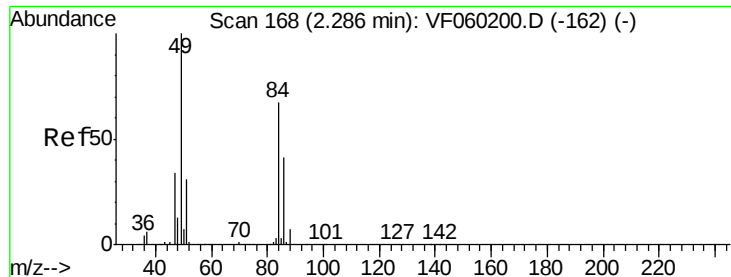
58 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

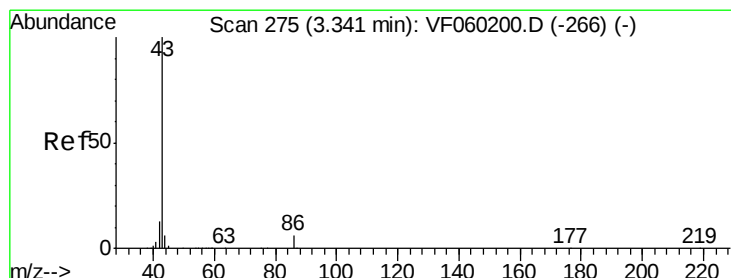
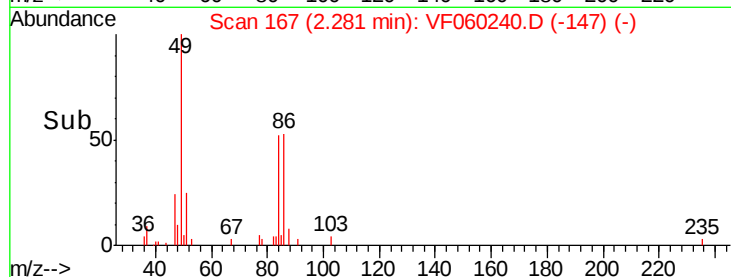
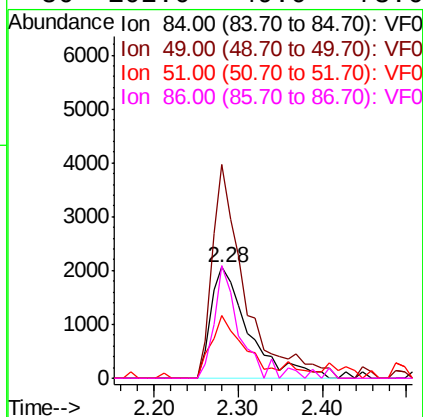
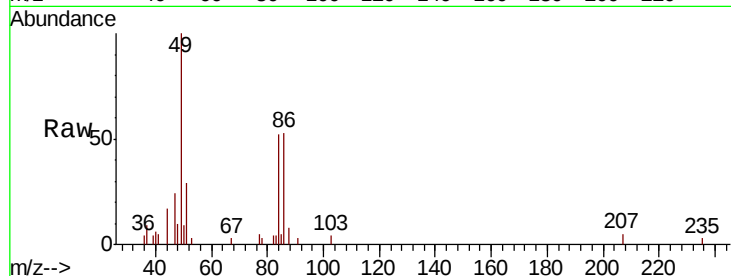




#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

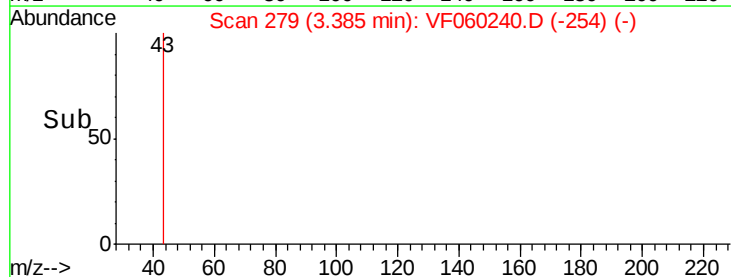
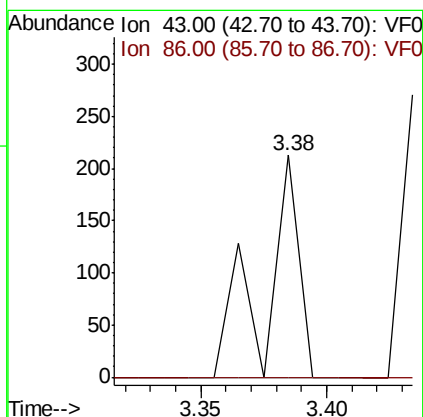
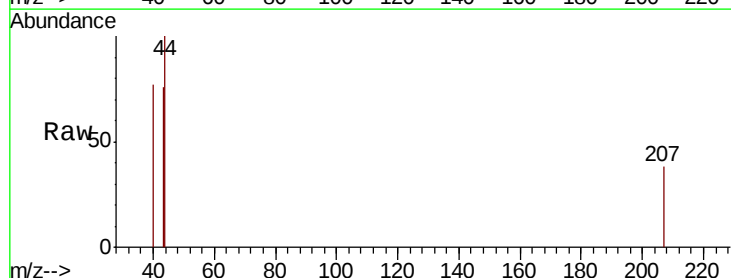
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J5

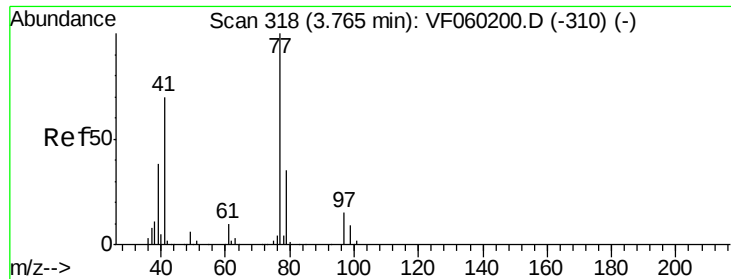
Tot Ion: 84 Resp: 6413
Ion Ratio Lower Upper
84 100
49 192.7 120.1 180.1#
51 56.3 37.0 55.6#
86 102.0 49.0 73.6#



#23
Vinyl Acetate
Concen: 22.88 ug/l
RT: 3.38 min Scan# 279
Delta R.T. 0.04 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

Tgt Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
86 0.0 4.8 7.2#





#26

2,2-Dichloropropane

Concen: 2.06 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.13 min

Lab File: VF060240.D

Acq: 10 Sep 2018 17:42

Instrument :

MSVOA_F

ClientSampleId :

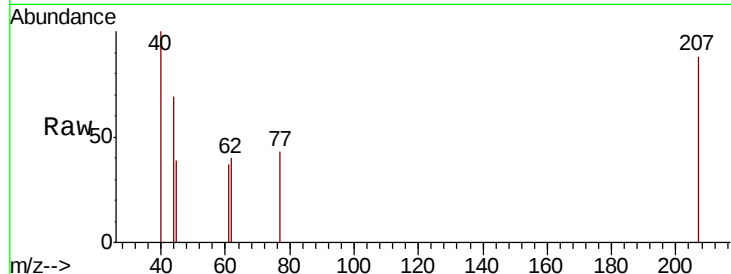
EP1-Q2-J5

Tot Ion: 77 Resp: 134

Ion Ratio Lower Upper

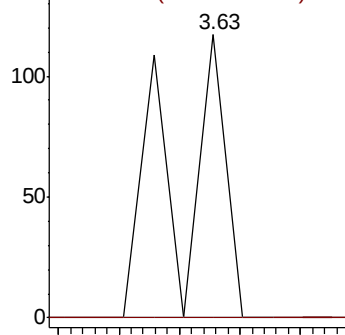
77 100

97 0.0 7.5 22.5#

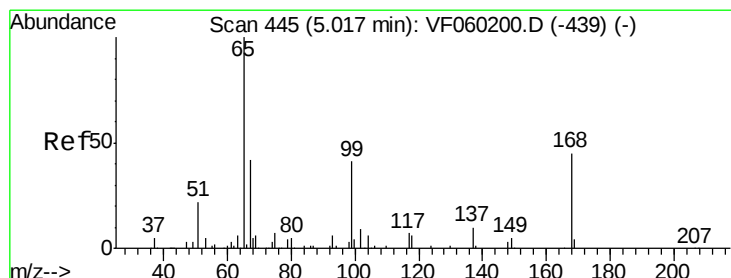
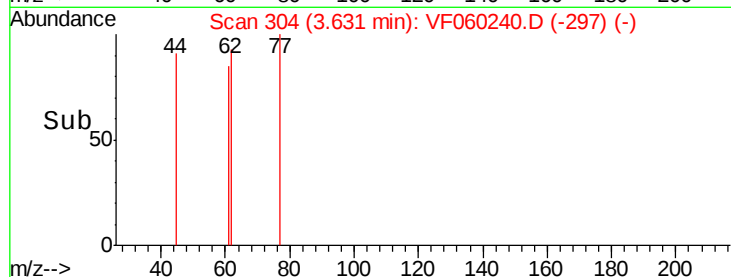


Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 29.79 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060240.D

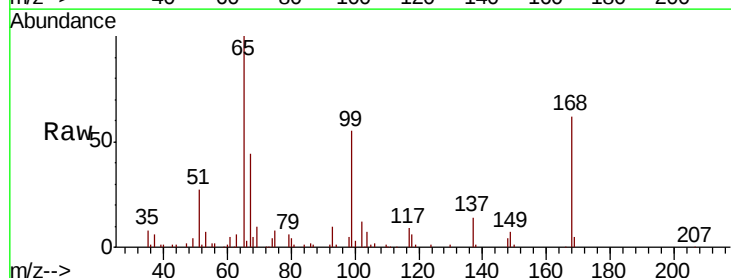
Acq: 10 Sep 2018 17:42

Tgt Ion: 65 Resp: 107952

Ion Ratio Lower Upper

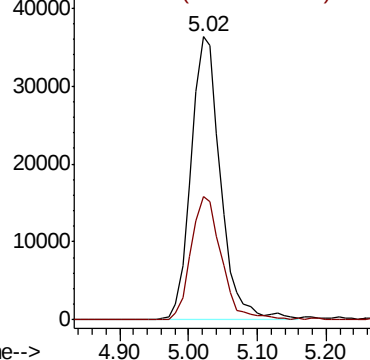
65 100

67 43.7 0.0 87.2

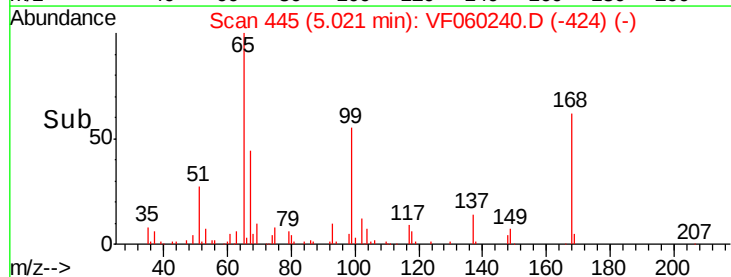


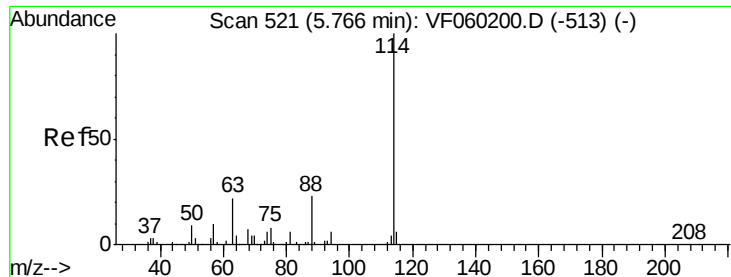
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF060240.D

Acq: 10 Sep 2018 17:42

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-J5

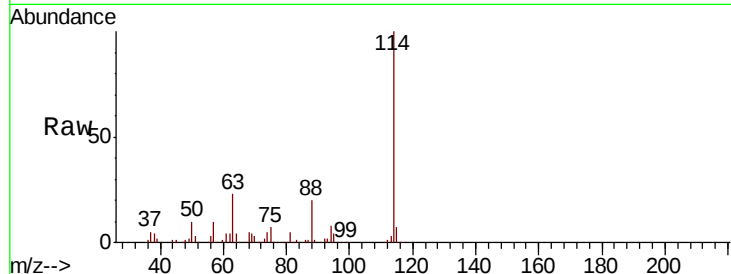
Tot Ion:114 Resp: 305217

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

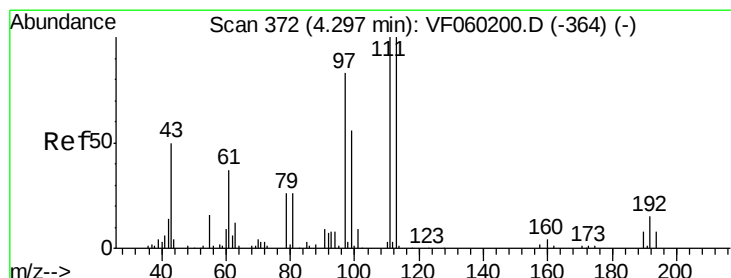
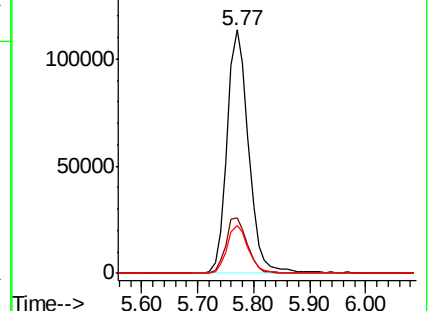
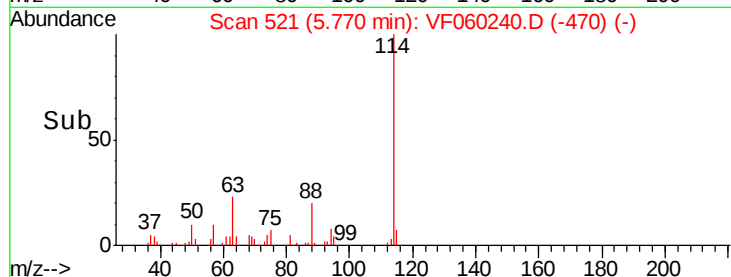
88 19.8 0.0 46.4



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: 34.38 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060240.D

Acq: 10 Sep 2018 17:42

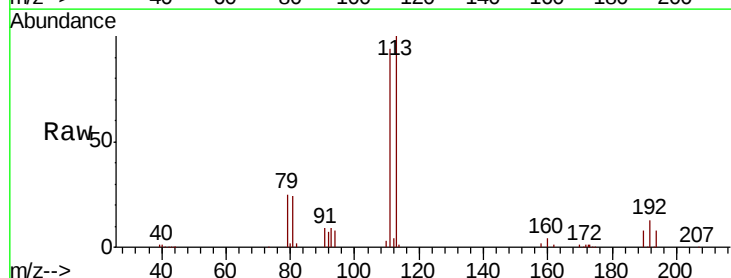
Tgt Ion:113 Resp: 102798

Ion Ratio Lower Upper

113 100

111 94.3 80.2 120.2

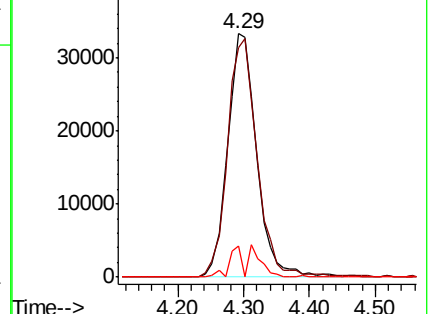
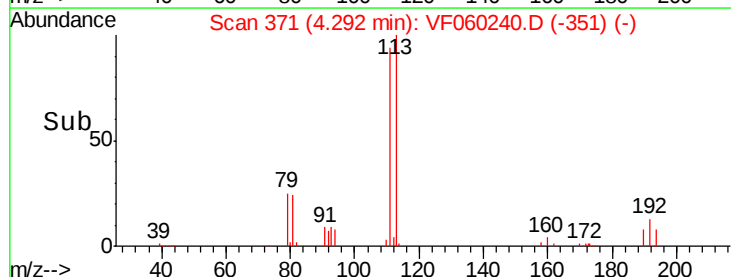
192 12.6 11.8 17.8

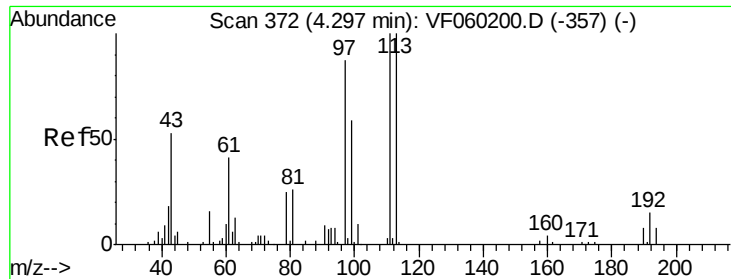


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

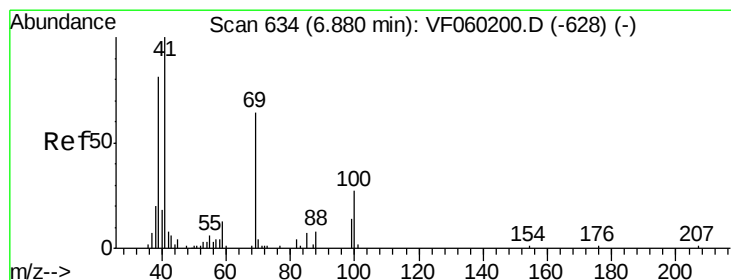
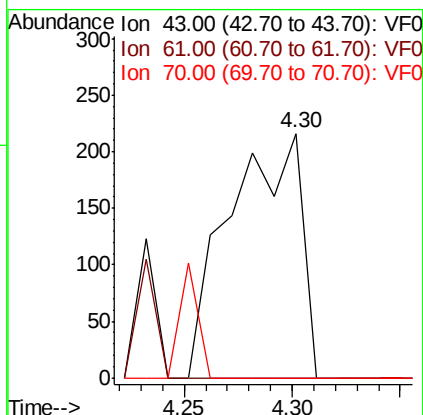
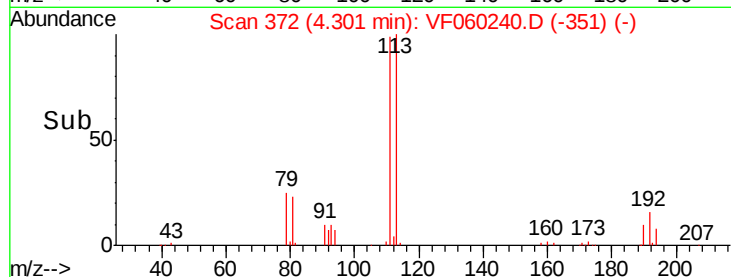
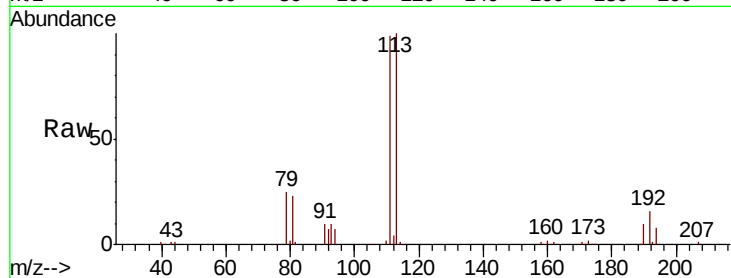




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

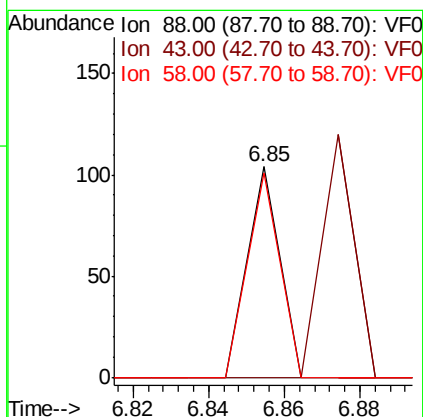
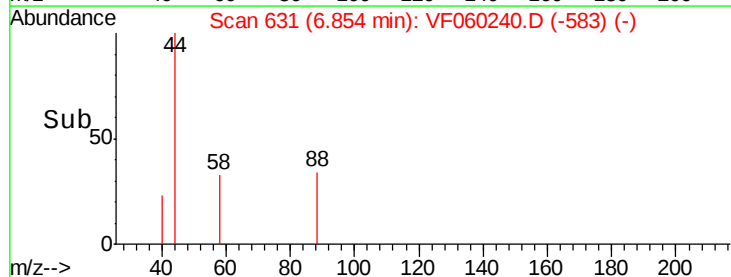
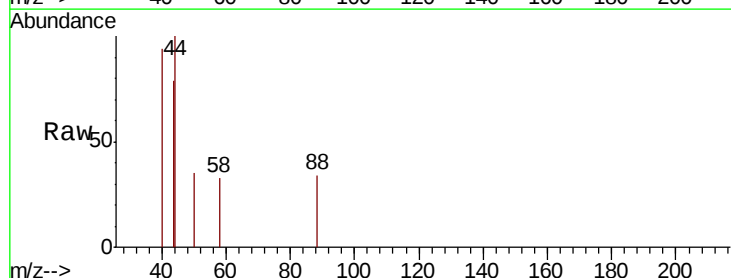
Instrument :
MSVOA_F
ClientSampled :
EP1-Q2-J5

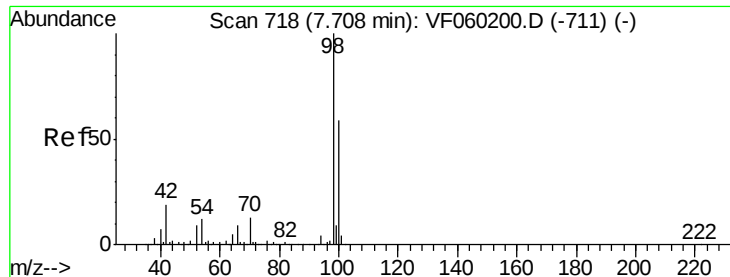
Tot Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
61 0.0 61.6 92.4#
70 0.0 6.9 10.3#



#49
1,4-Dioxane
Concen: 2.54 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.03 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 68.1 102.1#
58 97.1 38.1 57.1#

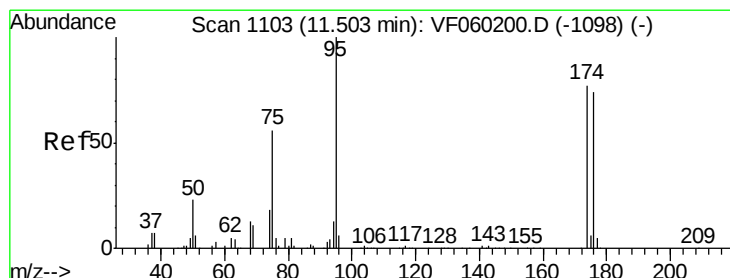
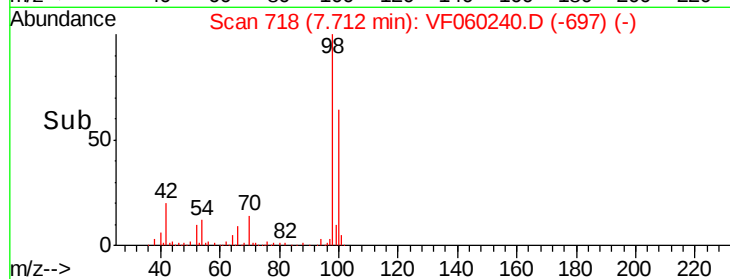
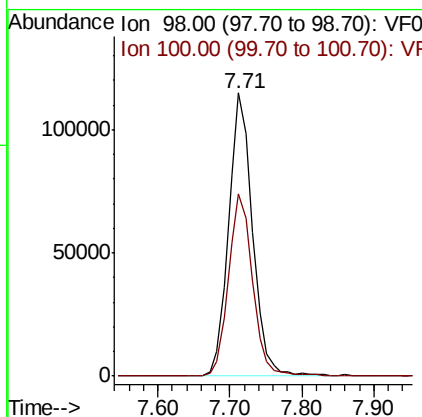
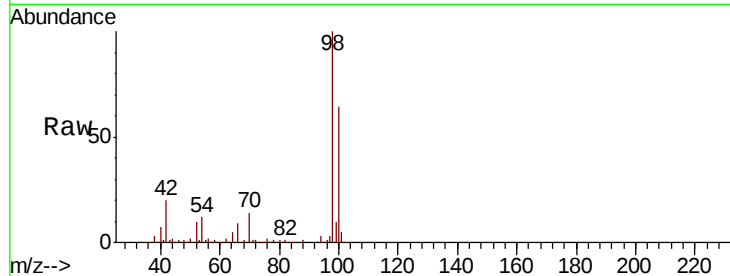




#50
Toluene-d8
Concen: 35.61 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

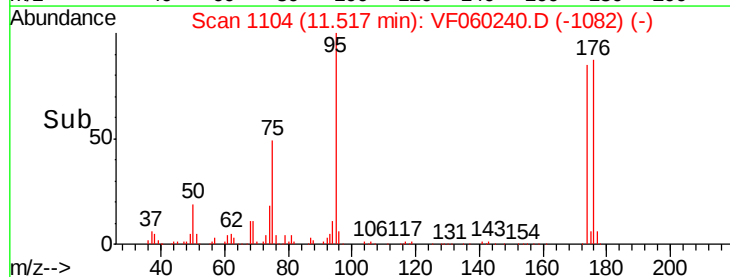
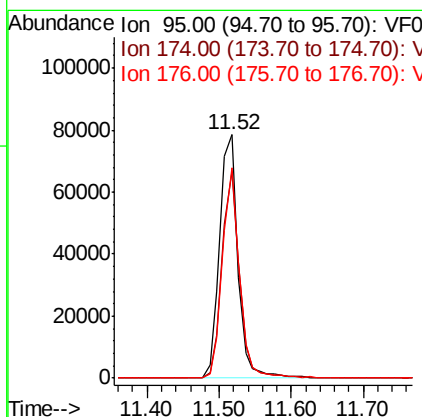
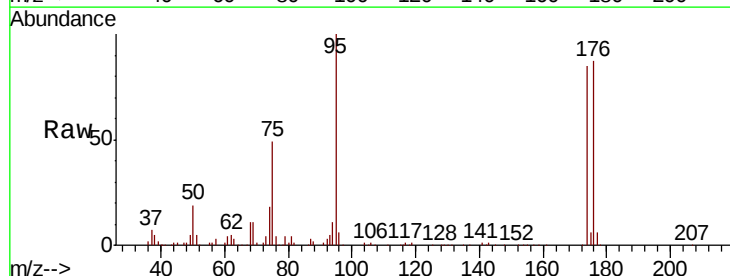
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J5

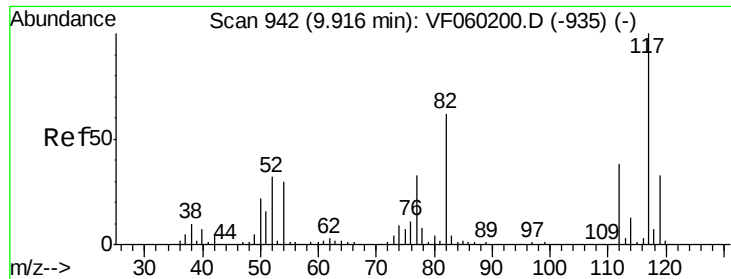
Tot Ion: 98 Resp: 265689
Ion Ratio Lower Upper
98 100
100 64.3 47.4 71.0



#62
4-Bromofluorobenzene
Concen: 33.03 ug/l
RT: 11.52 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

Tgt Ion: 95 Resp: 139076
Ion Ratio Lower Upper
95 100
174 84.8 0.0 153.2
176 86.5 0.0 147.2

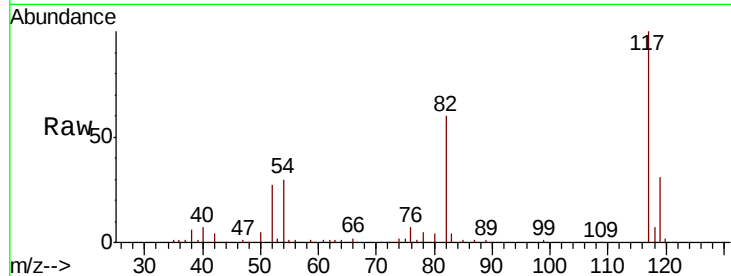




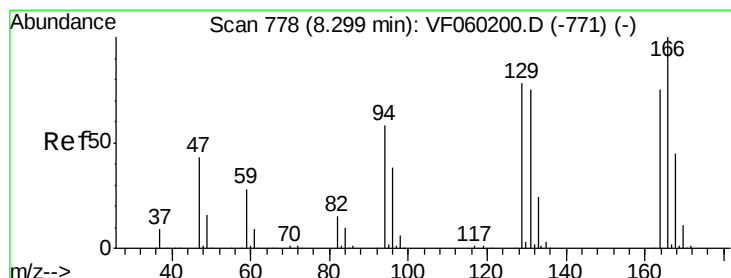
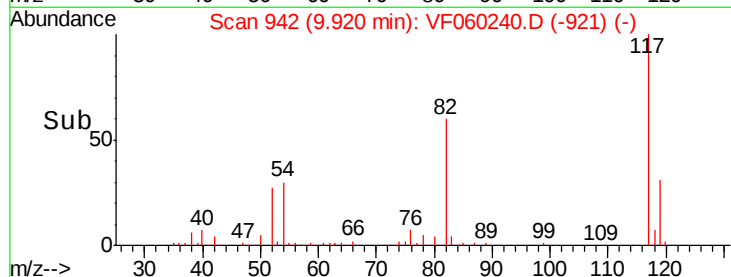
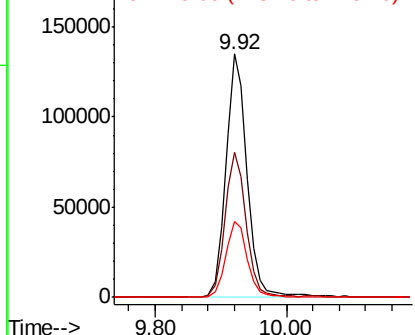
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J5

Tot Ion:117 Resp: 304346
Ion Ratio Lower Upper
117 100
82 59.7 49.3 73.9
119 31.3 26.5 39.7

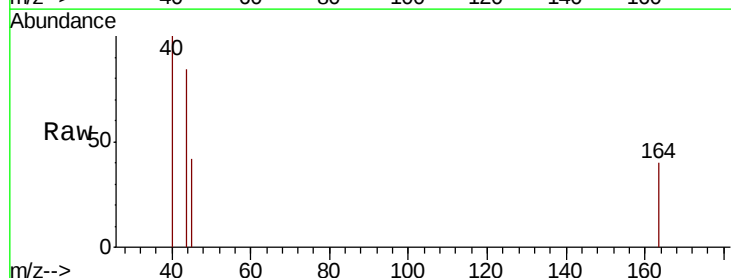


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

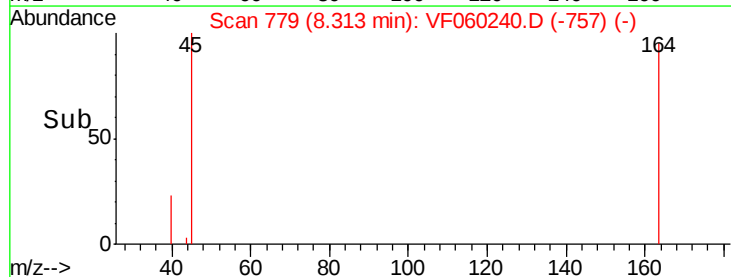
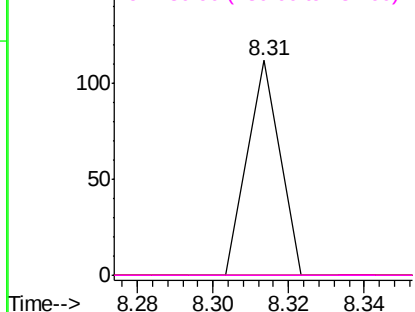


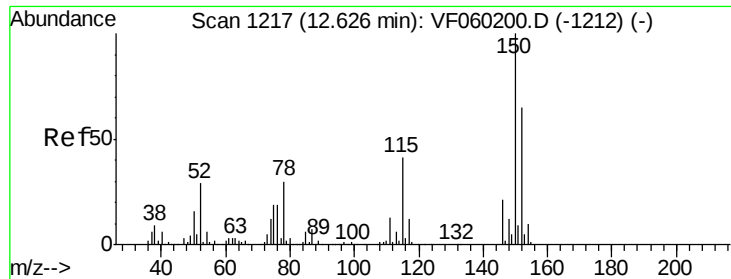
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 779
Delta R.T. 0.02 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

Tgt Ion:164 Resp: 66
Ion Ratio Lower Upper
164 100
166 0.0 107.0 160.4#
129 0.0 83.0 124.6#
131 0.0 79.8 119.8#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



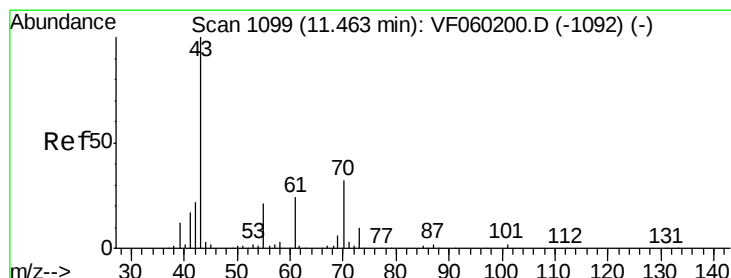
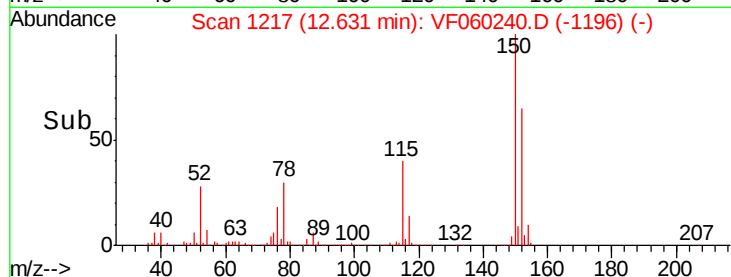
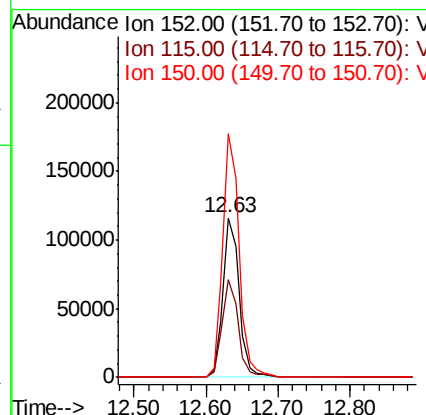
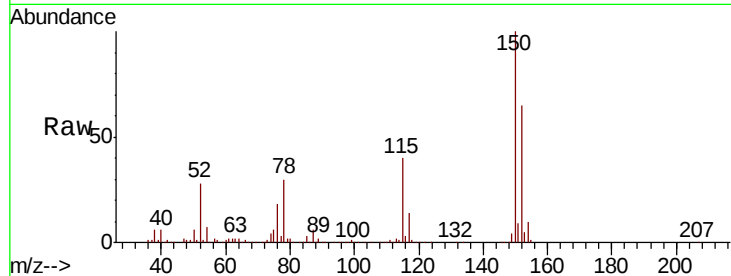


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-J5

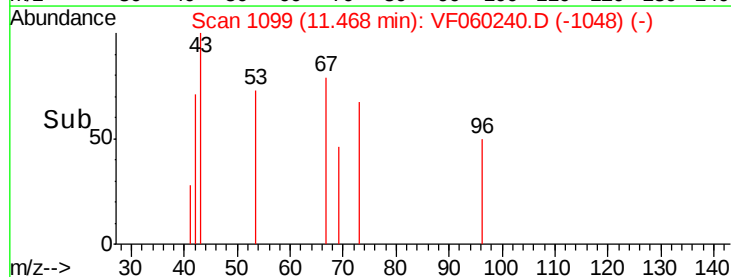
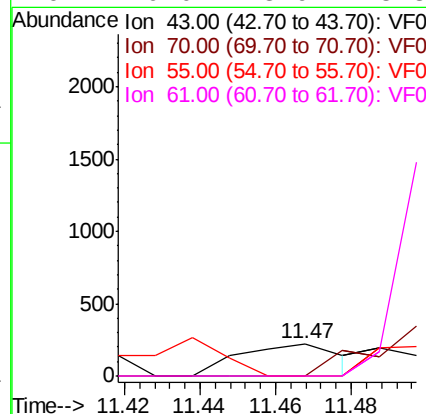
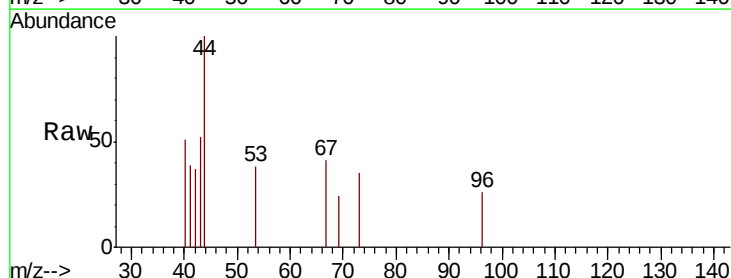
Tot Ion:152 Resp: 179234
Ion Ratio Lower Upper
152 100
115 61.1 31.5 94.5
150 153.0 0.0 310.4

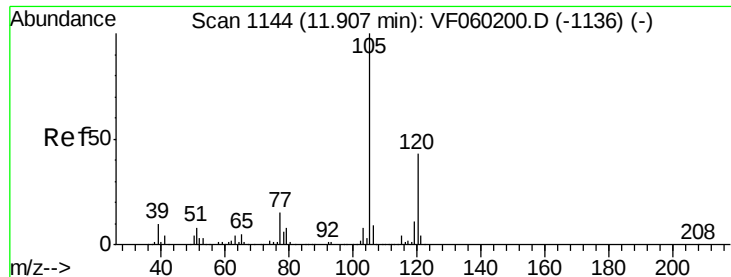


#74

N-ethyl acetate
Concen: 4.95 ug/l
RT: 11.47 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VF060240.D
Acq: 10 Sep 2018 17:42

Tgt Ion: 43 Resp: 409
Ion Ratio Lower Upper
43 100
70 0.0 25.8 38.6#
55 0.0 16.8 25.2#
61 0.0 18.9 28.3#





#80

1,3,5-Trimethylbenzene

Concen: 1.20 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060240.D

Acq: 10 Sep 2018 17:42

Instrument :

MSVOA_F

ClientSampled :

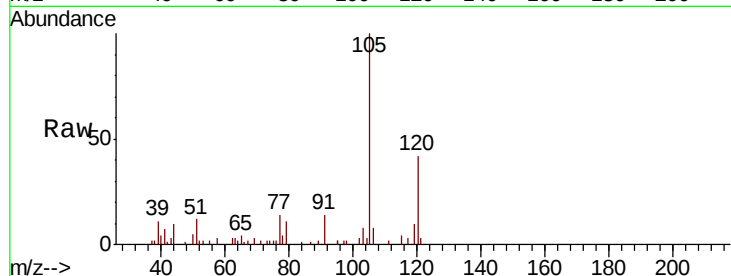
EP1-Q2-J5

Tot Ion:105 Resp: 13076

Ion Ratio Lower Upper

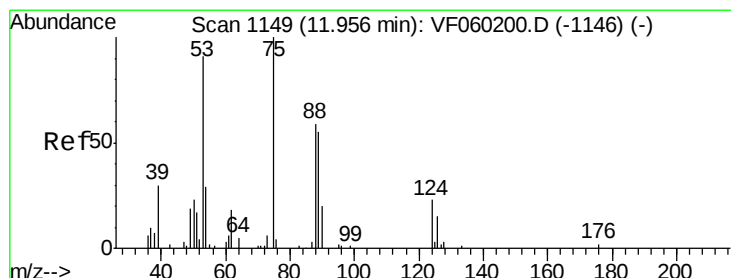
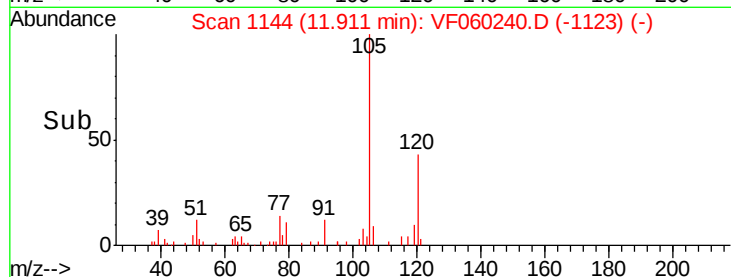
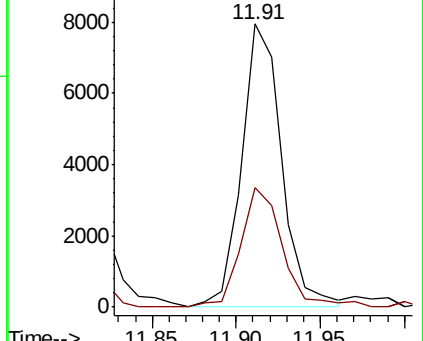
105 100

120 42.3 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: 2.73 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF060240.D

Acq: 10 Sep 2018 17:42

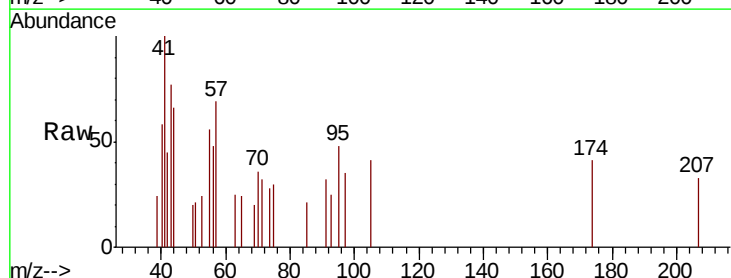
Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

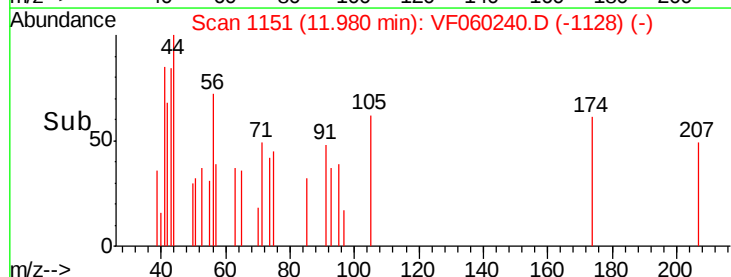
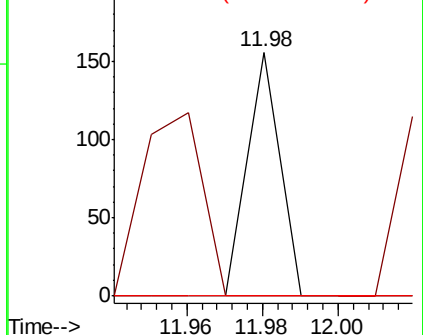
89 0.0 46.5 69.7#

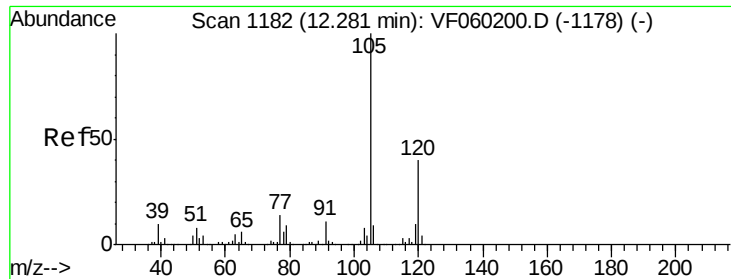


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

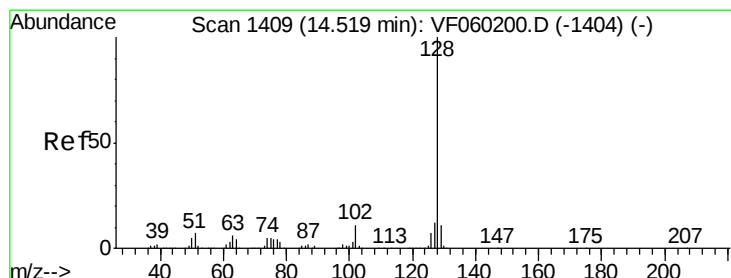
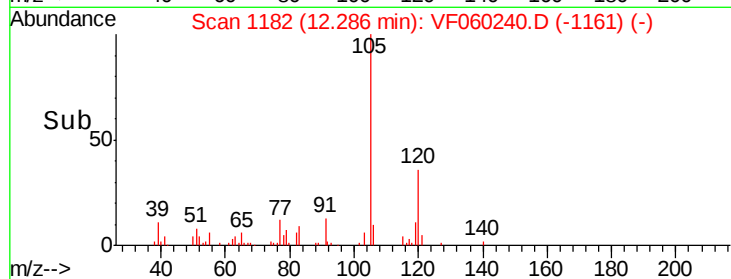
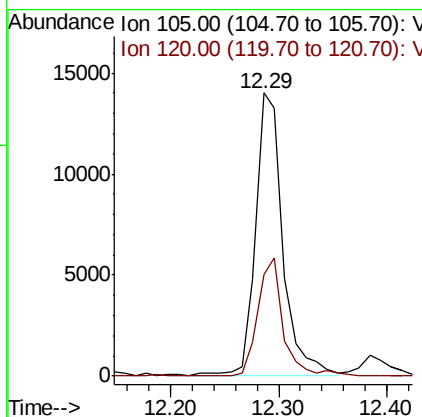
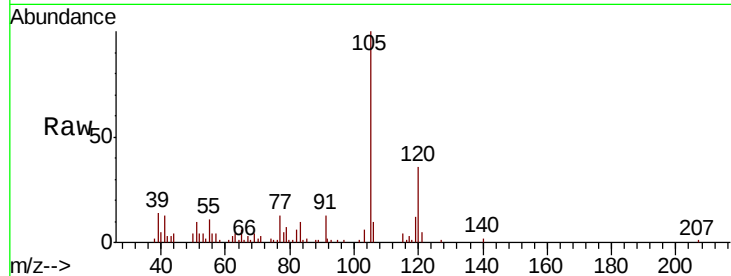




#84
 1,2,4-Trimethylbenzene
 Concen: 2.23 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060240.D
 Acq: 10 Sep 2018 17:42

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-J5

Tot Ion:105 Resp: 24670
 Ion Ratio Lower Upper
 105 100
 120 35.7 20.2 60.5



#95
 Naphthalene
 Concen: 2.83 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: VF060240.D
 Acq: 10 Sep 2018 17:42

Tgt Ion:128 Resp: 1598
 Ion Ratio Lower Upper
 128 100
 127 35.2 9.9 14.9#
 129 11.1 8.9 13.3

