

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060896.D
 Acq On : 3 Dec 2018 17:27
 Operator : VA/AP
 Sample : J5764-27RE
 Misc : 5.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-DRE

Quant Time: Dec 04 03:11:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	1550	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	2357	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	1595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	545	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	409	22.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.80%	
35) Dibromofluoromethane	4.15	113	310	16.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.16%	
50) Toluene-d8	7.57	98	2187	39.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	79.42%	
62) 4-Bromofluorobenzene	11.42	95	459	18.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	36.68%	

Target Compounds						Qvalue
3) Chloromethane	1.09	50	88	5.835	ug/l #	41
4) Vinyl Chloride	1.17	62	64	4.550	ug/l #	42
5) Bromomethane	1.33	94	523	52.726	ug/l #	2
6) Chloroethane	1.41	64	60	9.867	ug/l #	1
8) Diethyl Ether	1.74	74	165	38.017	ug/l #	16
9) 1,1,2-Trichlorotrifluoroet	1.85	101	62	4.063	ug/l #	20
10) Methyl Iodide	1.89	142	83	3.579	ug/l #	26
11) Tert butyl alcohol	2.51	59	156	208.416	ug/l #	1
12) 1,1-Dichloroethene	1.78	96	64	5.215	ug/l #	1
13) Acrolein	2.07	56	1176	1658.251	ug/l #	68
14) Allyl chloride	2.13	41	456	29.810	ug/l #	53
15) Acrylonitrile	2.96	53	464	276.506	ug/l #	14
16) Acetone	2.25	43	475	141.068	ug/l #	65
17) Carbon Disulfide	1.97	76	79	2.401	ug/l #	68
18) Methyl Acetate	2.29	43	420	75.181	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	99	3.581	ug/l #	1
20) Methylene Chloride	2.24	84	169	13.681	ug/l #	8
21) trans-1,2-Dichloroethene	2.34	96	147	12.424	ug/l #	5
22) Diisopropyl ether	2.79	45	497	11.936	ug/l #	10
23) Vinyl Acetate	3.20	43	1590	83.537	ug/l #	80
24) 1,1-Dichloroethane	2.92	63	65	2.624	ug/l #	86
25) 2-Butanone	4.34	43	155	26.614	ug/l #	57
26) 2,2-Dichloropropane	3.71	77	152	9.464	ug/l #	60
29) Tetrahydrofuran	4.13	42	151	61.166	ug/l #	37
30) Chloroform	3.84	83	72	1.888	ug/l #	17
31) Cyclohexane	3.69	56	68	2.645	ug/l #	15
32) 1,1,1-Trichloroethane	4.17	97	81	3.063	ug/l #	22
37) Ethyl Acetate	4.15	43	227	21.367	ug/l #	14
39) Methylcyclohexane	5.52	83	80	2.920	ug/l #	13
40) Benzene	4.68	78	63	1.091	ug/l #	52
41) Methacrylonitrile	4.79	41	442	82.909	ug/l #	23
43) Isopropyl Acetate	6.96	43	65	2.368	ug/l #	49
48) Methyl methacrylate	6.73	41	60	6.239	ug/l #	18
51) 4-Methyl-2-Pentanone	8.25	43	266	27.151	ug/l #	38

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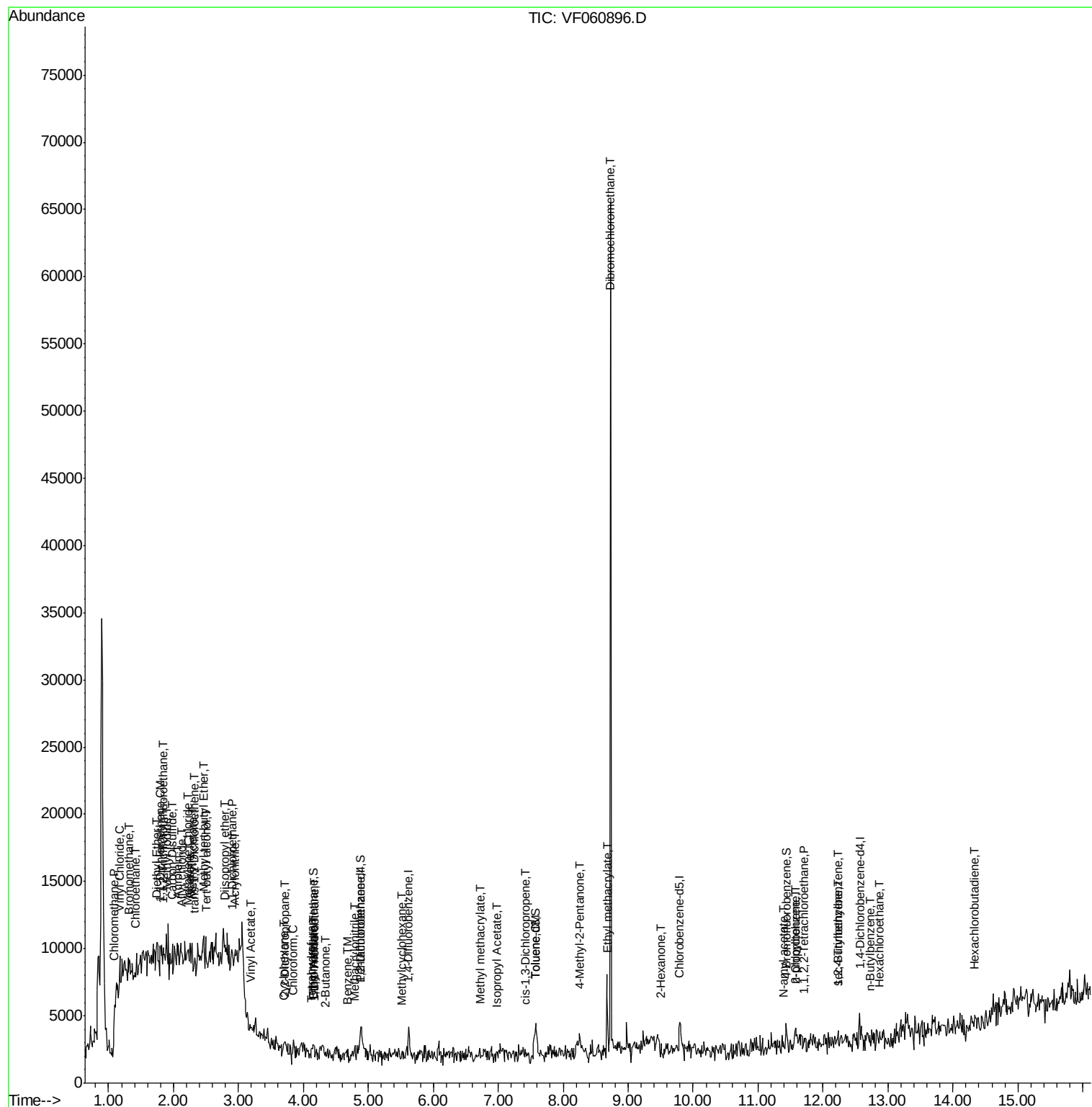
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Toluene	7.57	92	73	1.799	ug/l #	1
54) cis-1,3-Dichloropropene	7.41	75	67	2.462	ug/l #	26
56) Ethyl methacrylate	8.69	69	67	5.102	ug/l #	5
59) 2-Hexanone	9.51	43	100	14.549	ug/l #	27
60) Dibromochloromethane	8.72	129	70	3.974	ug/l #	12
74) N-amyl acetate	11.39	43	331	33.282	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.70	83	73	10.299	ug/l #	25
78) n-propylbenzene	11.58	91	78	1.546	ug/l #	56
79) 2-Chlorotoluene	11.58	91	78	2.697	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.23	105	63	1.805	ug/l #	29
85) sec-Butylbenzene	12.23	105	63	1.292	ug/l #	58
89) n-Butylbenzene	12.72	91	70	1.694	ug/l #	27
90) Hexachloroethane	12.86	117	76	7.721	ug/l #	25
94) Hexachlorobutadiene	14.32	225	63	7.952	ug/l #	18

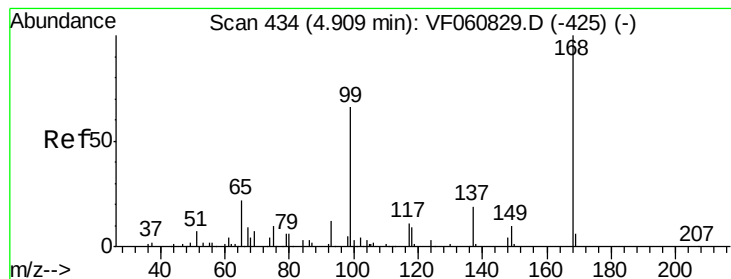
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

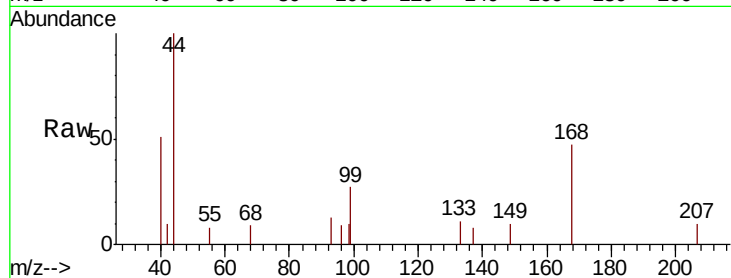
JC-02-113018-DRE

Tot Ion:168 Resp: 1550

Ion Ratio Lower Upper

168 100

99 58.8 52.6 79.0



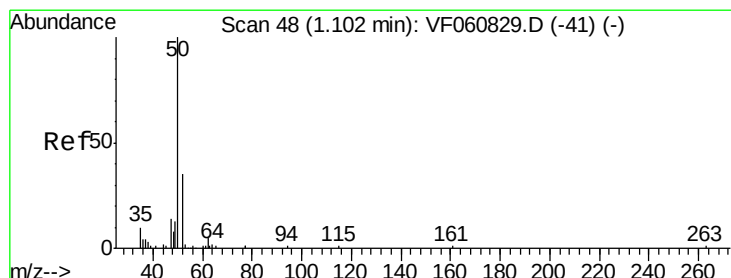
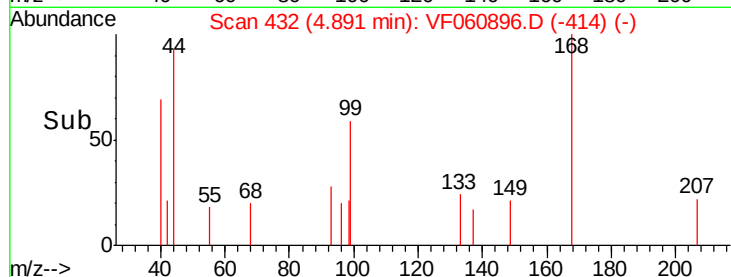
Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

4.85 4.90 4.95

Time-->



#3

Chloromethane

Concen: 5.835 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060896.D

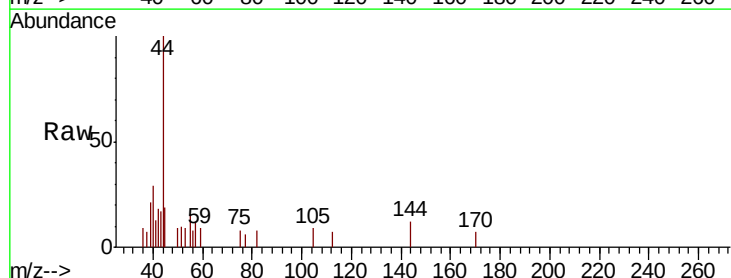
Acq: 3 Dec 2018 17:27

Tgt Ion: 50 Resp: 88

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.4#



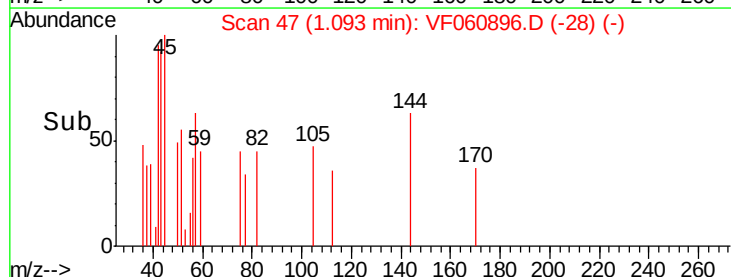
Abundance Ion 50.00 (49.70 to 50.70): VF0

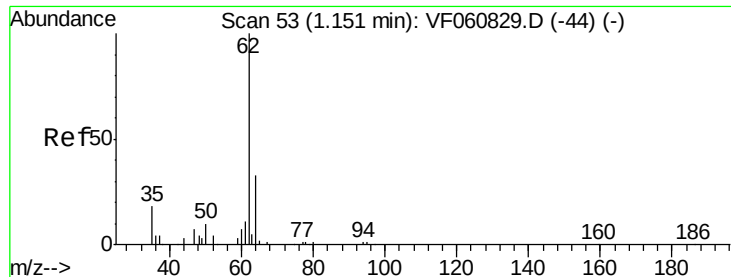
Ion 52.00 (51.70 to 52.70): VF0

1.09

1.06 1.08 1.10 1.12

Time-->





#4

Vinyl Chloride

Concen: 4.550 ug/l

RT: 1.17 min Scan# 55

Delta R.T. 0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

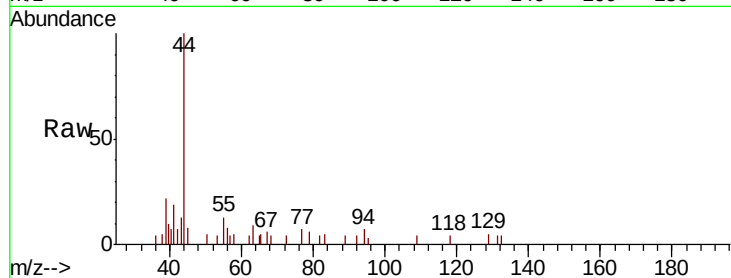
JC-02-113018-DRE

Tot Ion: 62 Resp: 64

Ion Ratio Lower Upper

62 100

64 0.0 26.4 39.6#



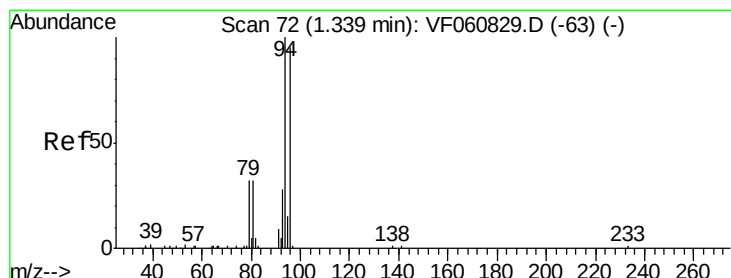
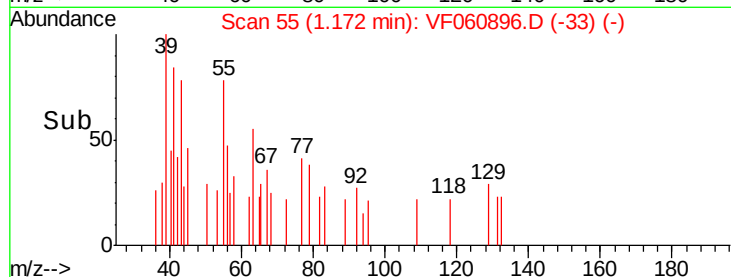
Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.17

1.14 1.16 1.18 1.20

Time-->



#5

Bromomethane

Concen: 52.726 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060896.D

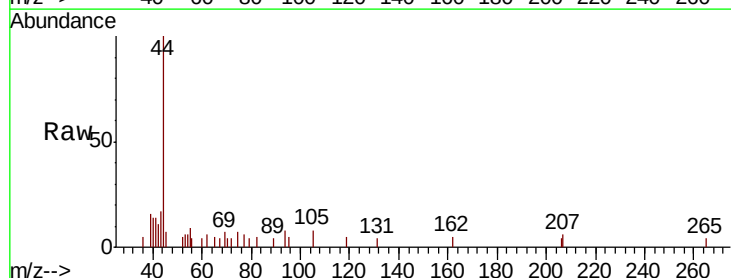
Acq: 3 Dec 2018 17:27

Tgt Ion: 94 Resp: 523

Ion Ratio Lower Upper

94 100

96 0.0 75.9 113.9#



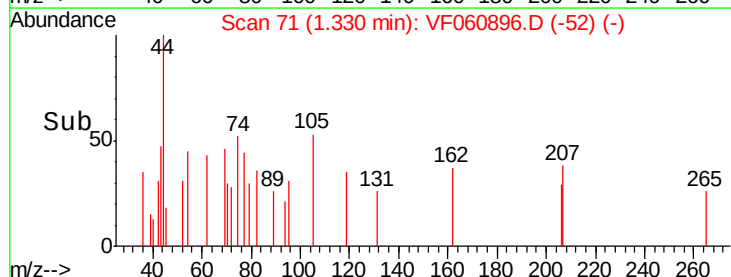
Abundance Ion 94.00 (93.70 to 94.70): VF0

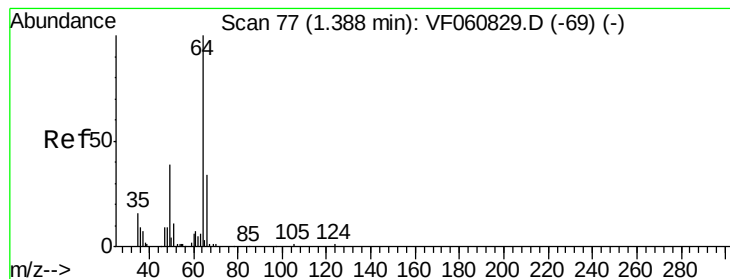
Ion 96.00 (95.70 to 96.70): VF0

1.33

1.25 1.30 1.35

Time-->





#6

Chloroethane

Concen: 9.867 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

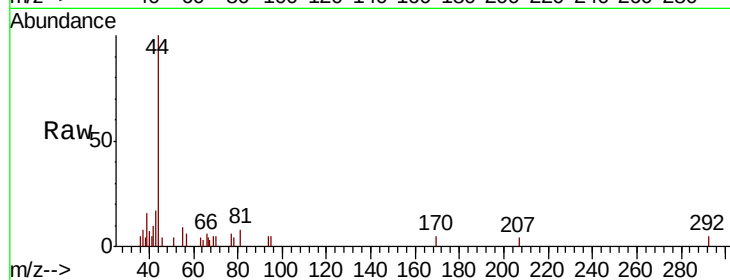
JC-02-113018-DRE

Tot Ion: 64 Resp: 60

Ion Ratio Lower Upper

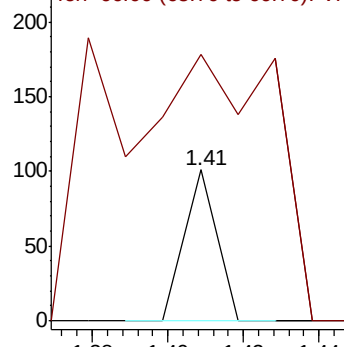
64 100

66 176.2 28.1 42.1#

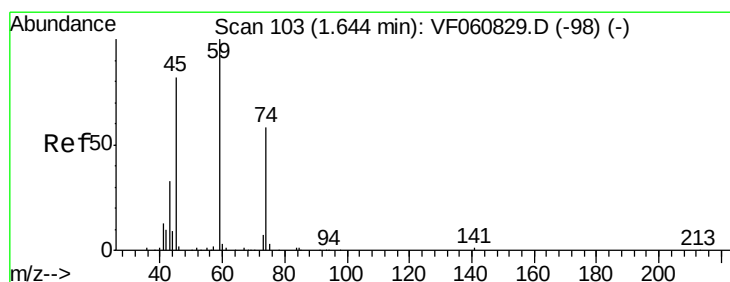
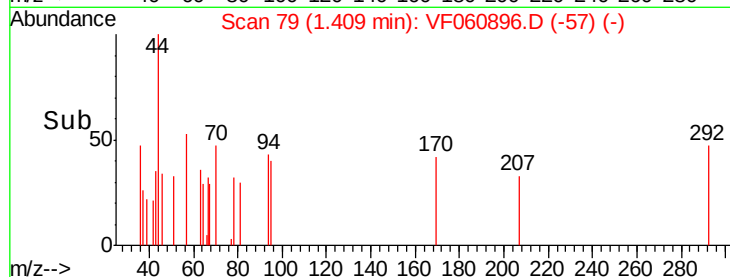


Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time-->



#8

Diethyl Ether

Concen: 38.017 ug/l

RT: 1.74 min Scan# 113

Delta R.T. 0.10 min

Lab File: VF060896.D

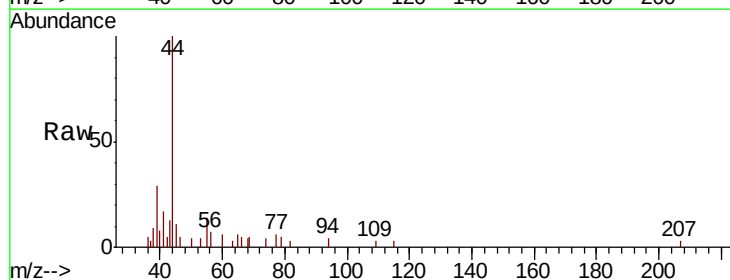
Acq: 3 Dec 2018 17:27

Tgt Ion: 74 Resp: 165

Ion Ratio Lower Upper

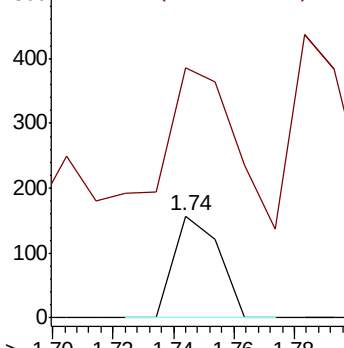
74 100

45 245.2 71.0 212.8#

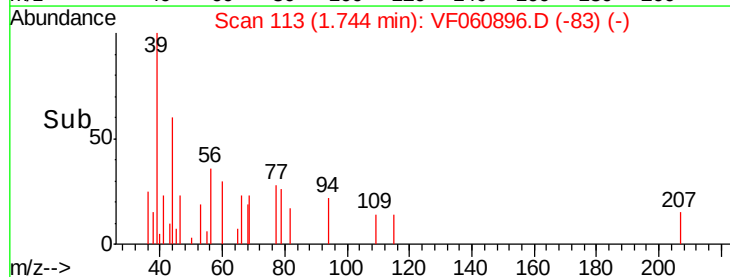


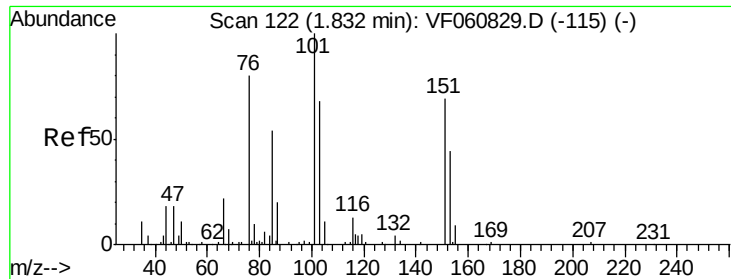
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.063 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

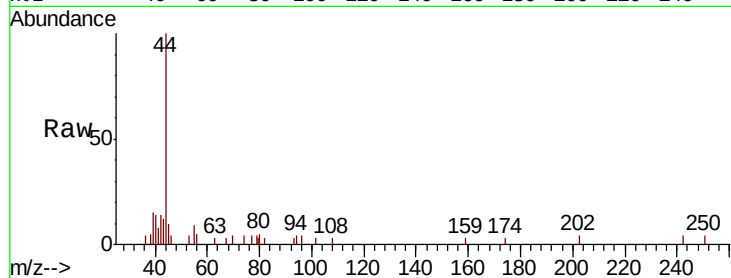
Tot Ion:101 Resp: 62

Ion Ratio Lower Upper

101 100

85 0.0 42.8 64.2#

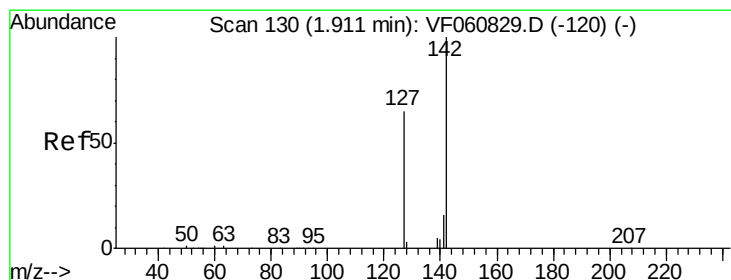
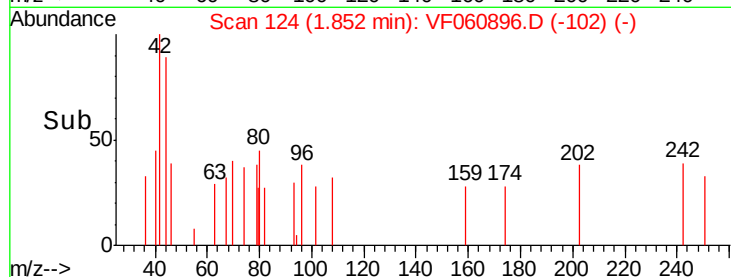
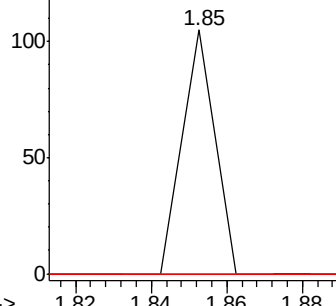
151 0.0 54.4 81.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 3.579 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

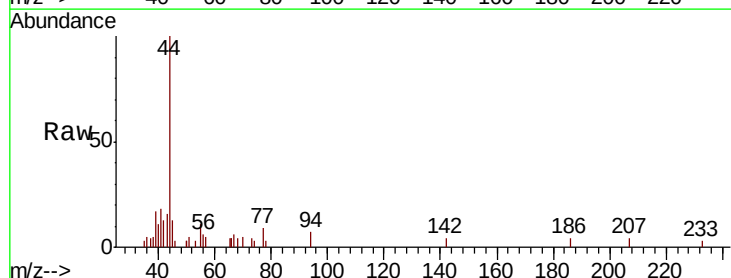
Tgt Ion:142 Resp: 83

Ion Ratio Lower Upper

142 100

127 0.0 51.9 77.9#

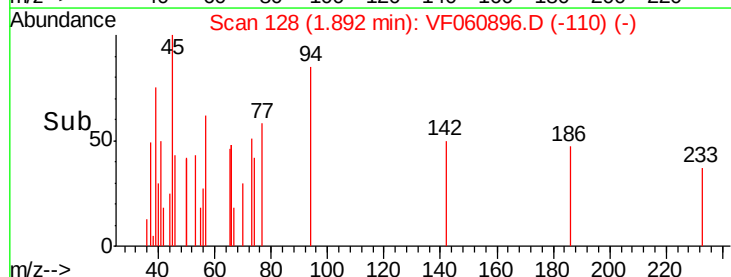
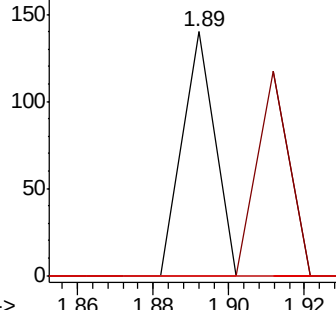
141 0.0 12.7 19.1#

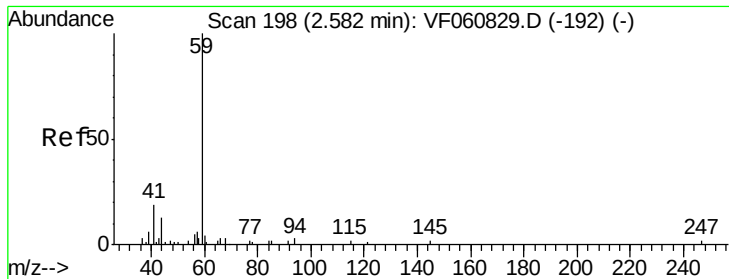


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

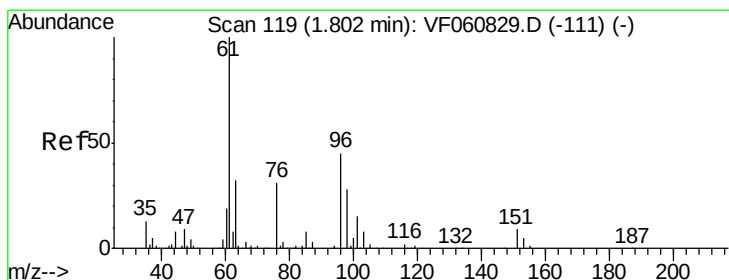
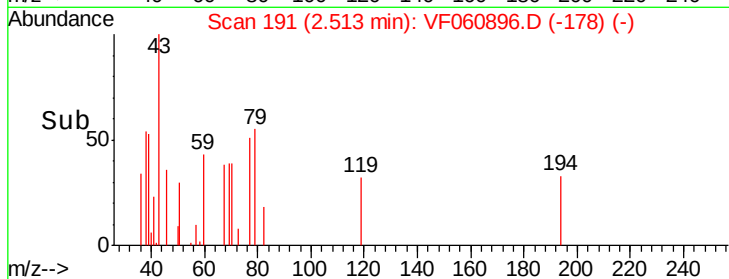
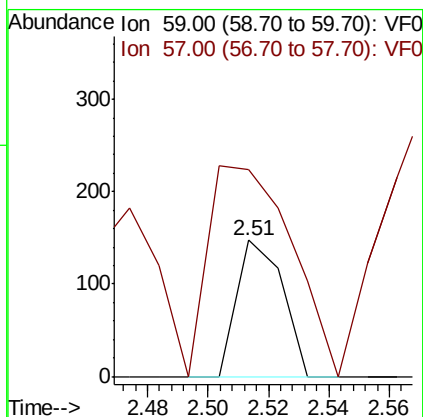
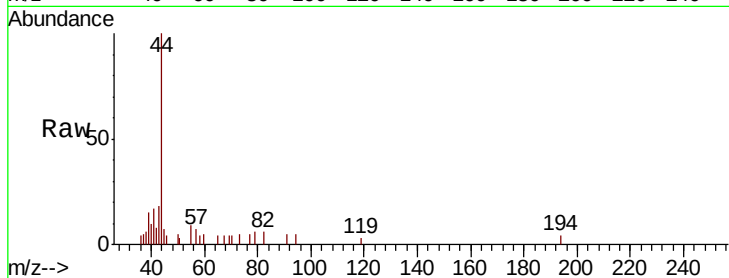




#11
Tert butyl alcohol
Concen: 208.416 ug/l
RT: 2.51 min Scan# 191
Delta R.T. -0.07 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

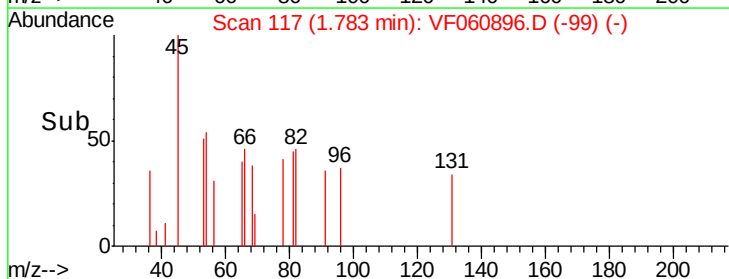
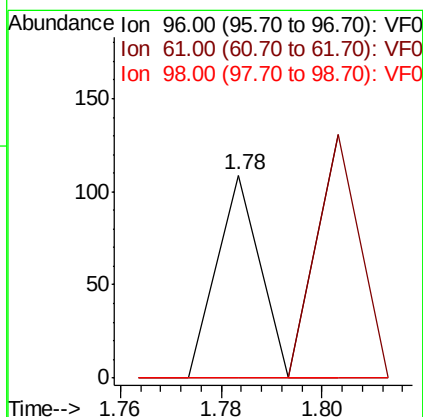
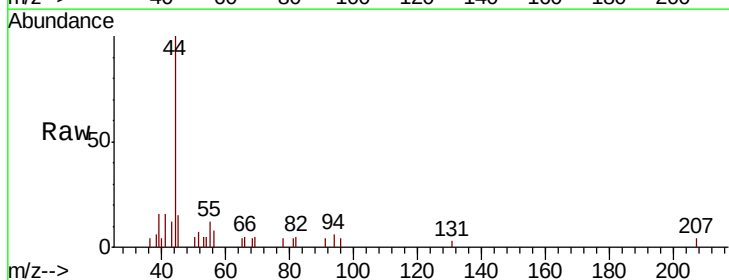
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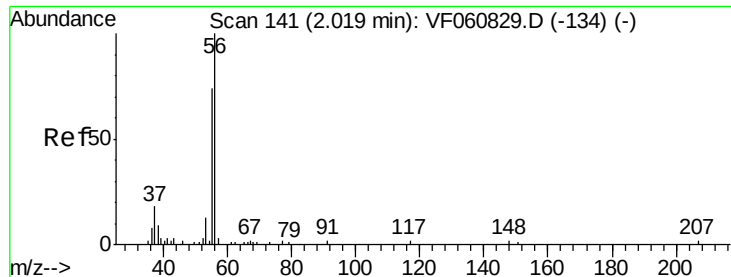
Tot Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 152.4 12.7 19.1#



#12
1,1-Dichloroethene
Concen: 5.215 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 96 Resp: 64
Ion Ratio Lower Upper
96 100
61 0.0 177.3 265.9#
98 0.0 49.6 74.4#





#13

Acrolein

Concen: 1658.251 ug/l

RT: 2.07 min Scan# 146

Delta R.T. 0.05 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

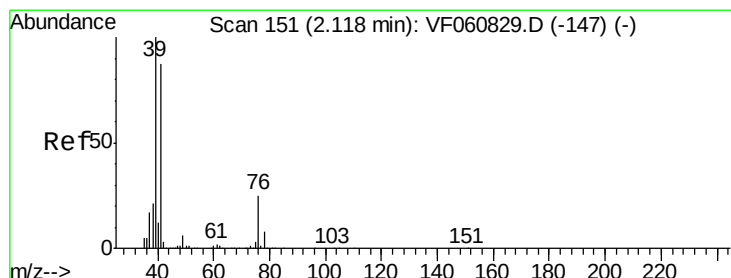
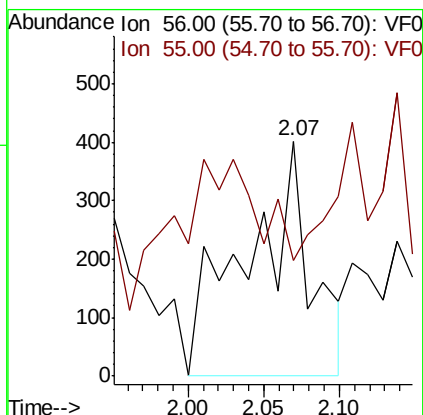
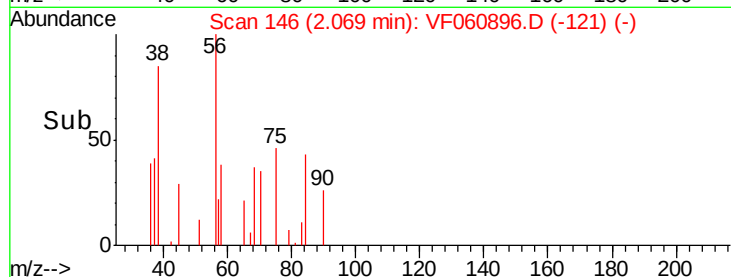
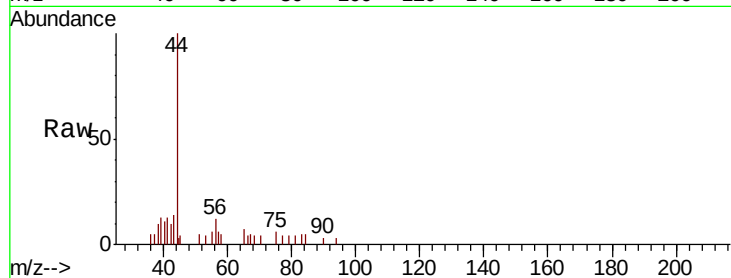
JC-02-113018-DRE

Tot Ion: 56 Resp: 1176

Ion Ratio Lower Upper

56 100

55 49.3 61.2 91.8#



#14

Allyl chloride

Concen: 29.810 ug/l

RT: 2.13 min Scan# 152

Delta R.T. 0.01 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

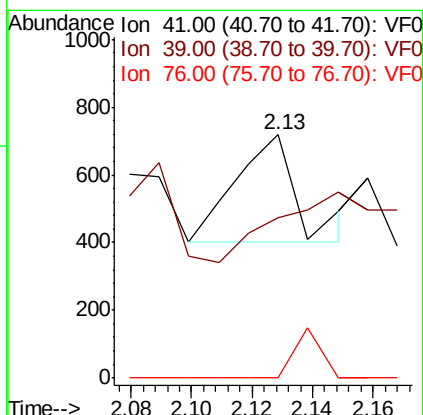
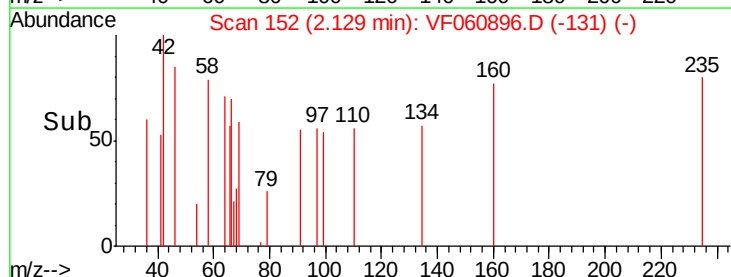
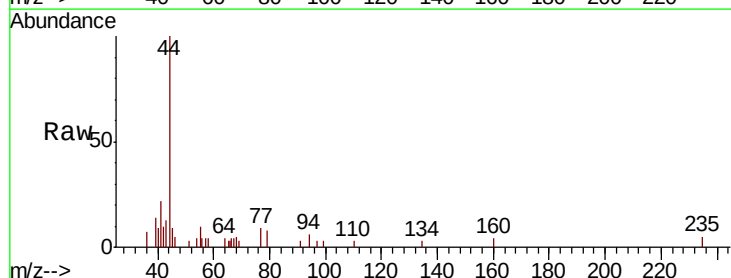
Tgt Ion: 41 Resp: 456

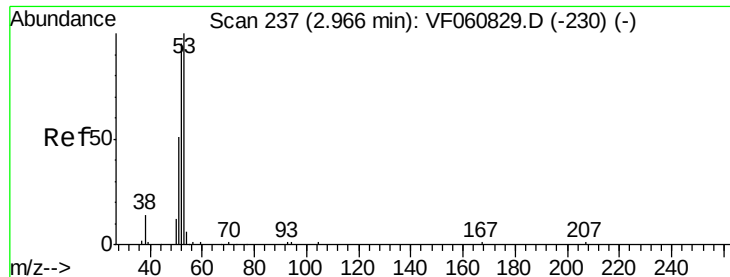
Ion Ratio Lower Upper

41 100

39 65.8 91.7 137.5#

76 0.0 23.5 35.3#





#15

Acrylonitrile

Concen: 276.506 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

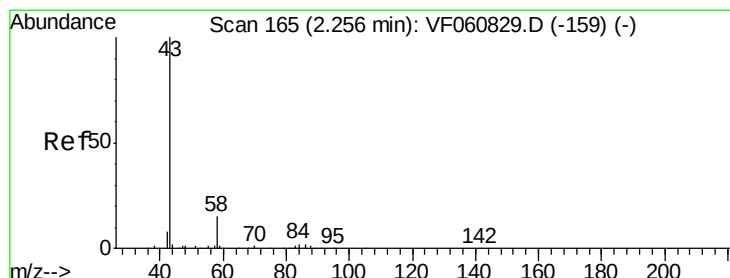
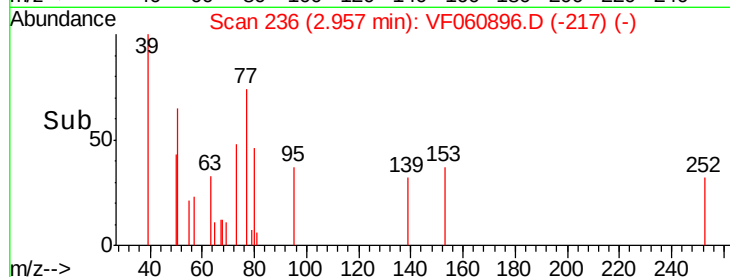
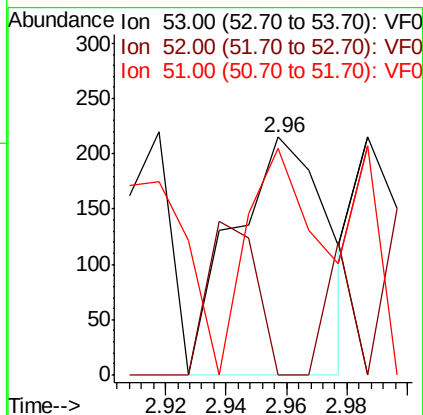
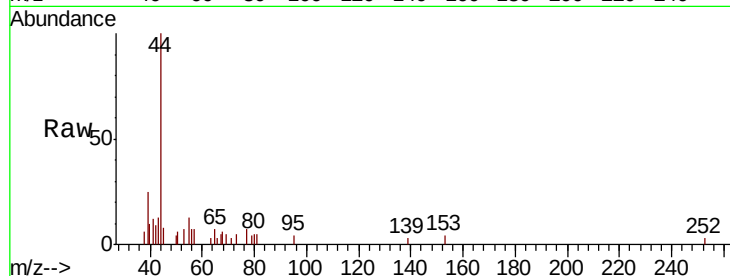
Tot Ion: 53 Resp: 464

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 95.3 40.7 61.1#



#16

Acetone

Concen: 141.068 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060896.D

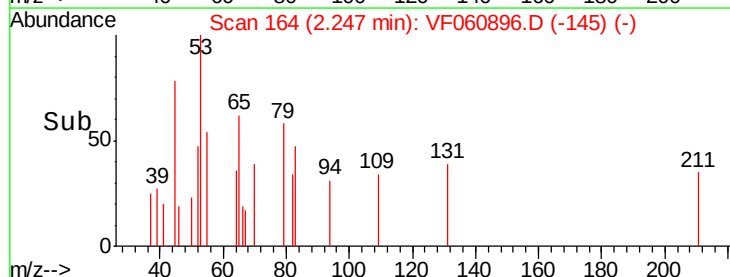
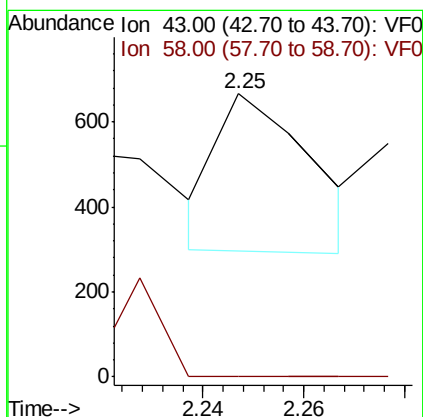
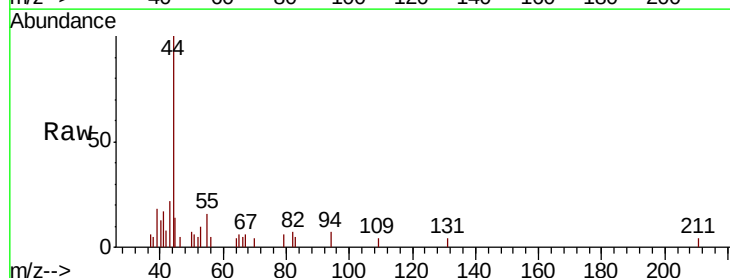
Acq: 3 Dec 2018 17:27

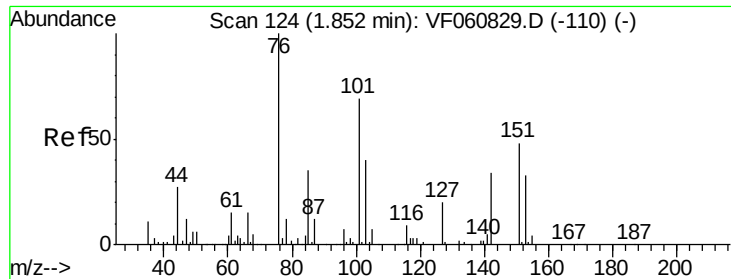
Tgt Ion: 43 Resp: 475

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.2#





#17

Carbon Disulfide

Concen: 2.401 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.12 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

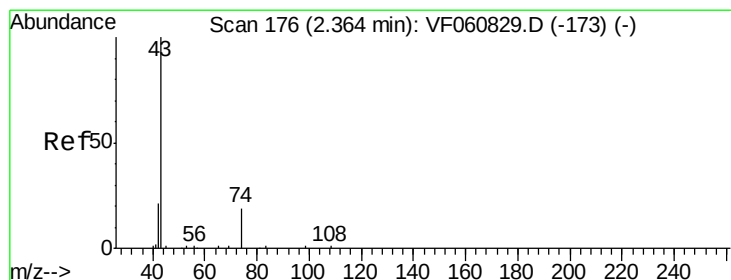
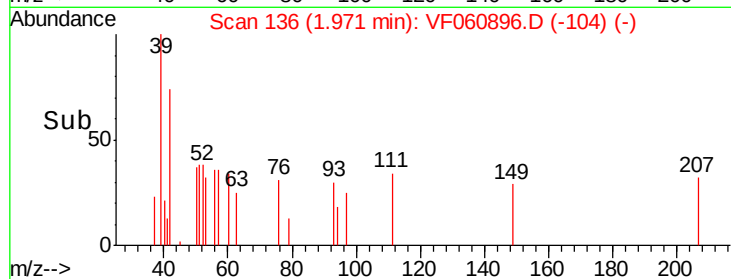
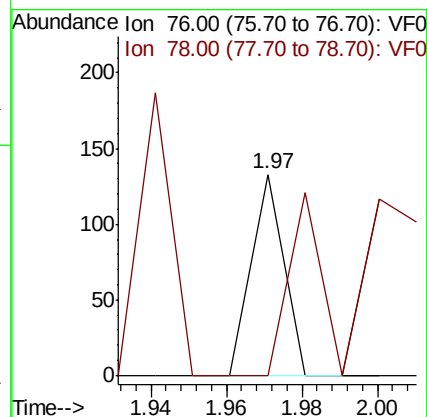
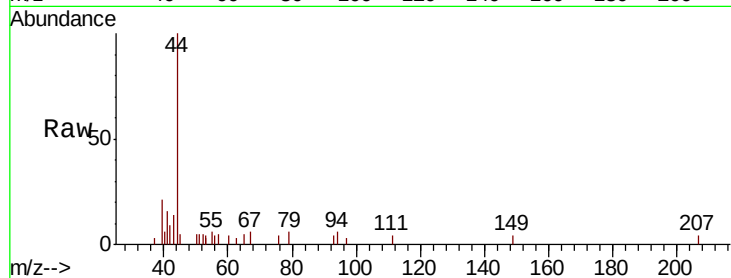
JC-02-113018-DRE

Tot Ion: 76 Resp: 79

Ion Ratio Lower Upper

76 100

78 0.0 10.2 15.2#



#18

Methyl Acetate

Concen: 75.181 ug/l

RT: 2.29 min Scan# 168

Delta R.T. -0.08 min

Lab File: VF060896.D

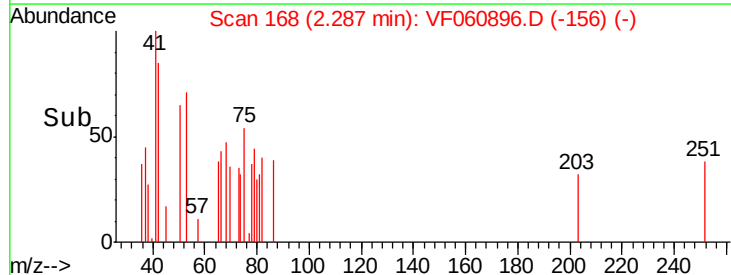
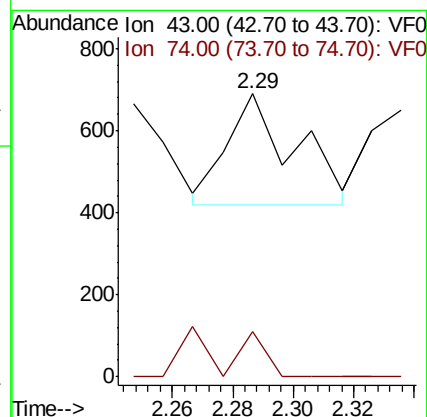
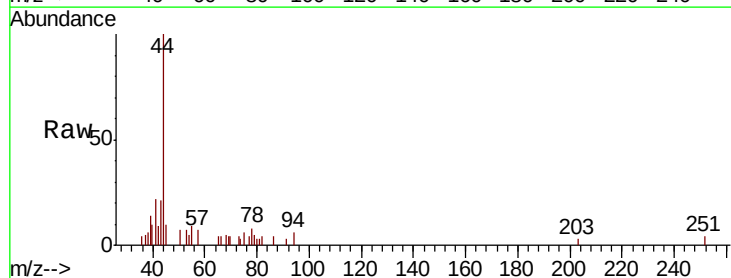
Acq: 3 Dec 2018 17:27

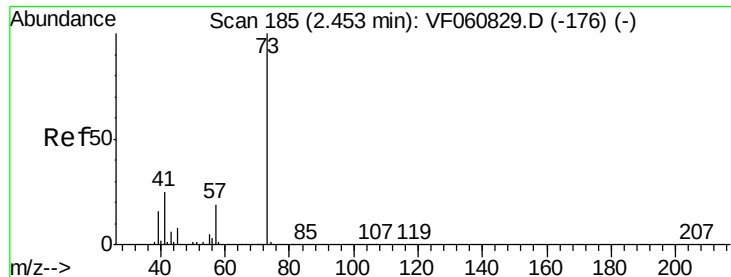
Tgt Ion: 43 Resp: 420

Ion Ratio Lower Upper

43 100

74 15.8 13.3 19.9



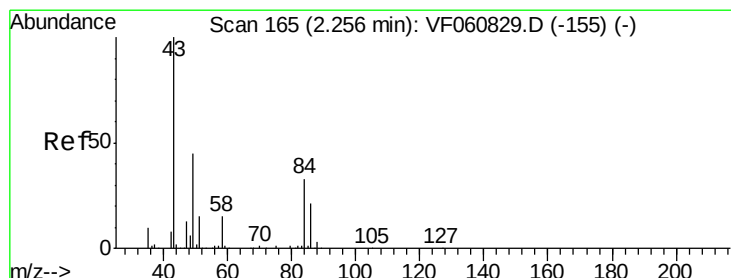
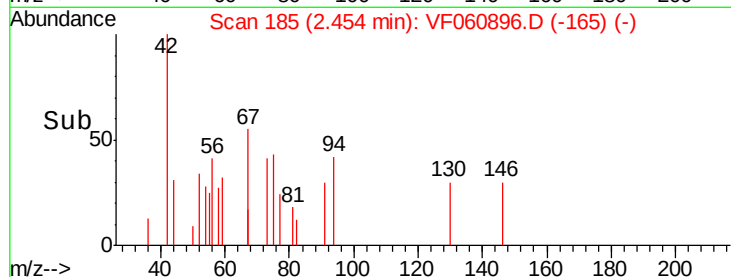
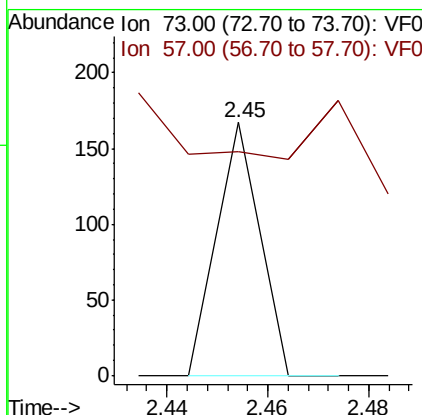
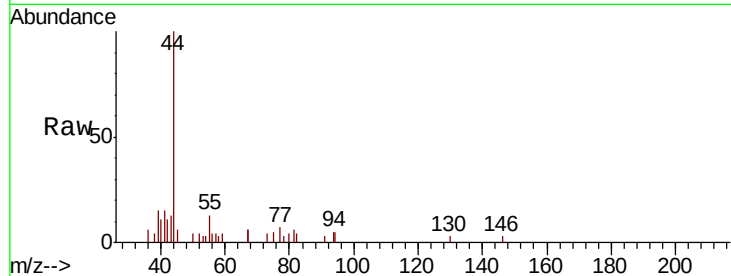


#19

Methyl tert-butyl Ether
 Concen: 3.581 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-DRE

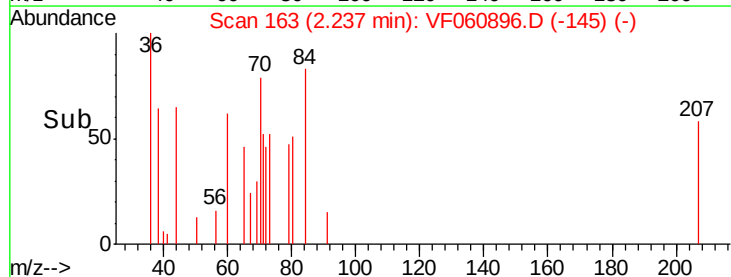
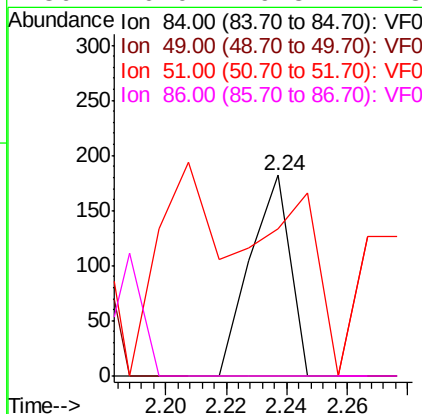
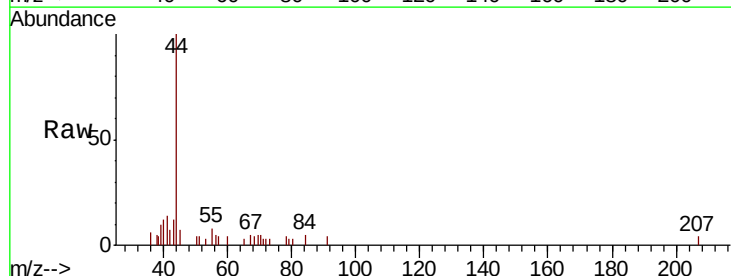
Tot Ion: 73 Resp: 99
 Ion Ratio Lower Upper
 73 100
 57 88.6 15.3 22.9#

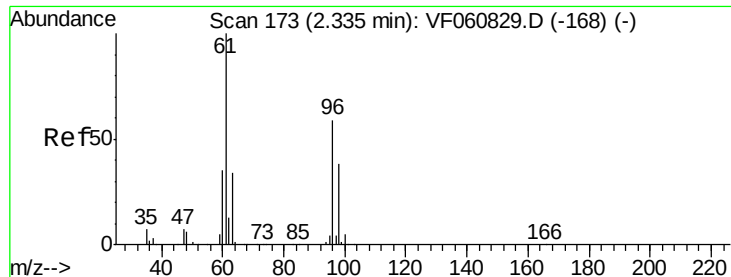


#20

Methylene Chloride
 Concen: 13.681 ug/l
 RT: 2.24 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

Tgt Ion: 84 Resp: 169
 Ion Ratio Lower Upper
 84 100
 49 0.0 111.3 166.9#
 51 73.1 38.0 57.0#
 86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 12.424 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

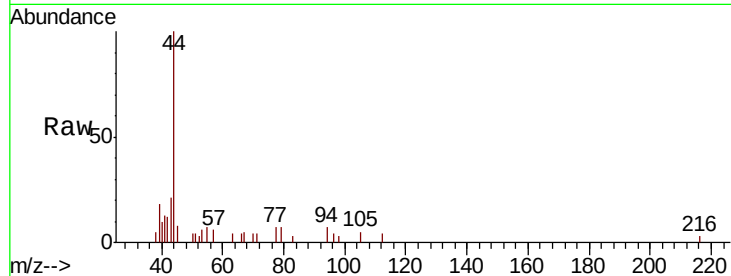
Tot Ion: 96 Resp: 147

Ion Ratio Lower Upper

96 100

61 0.0 134.5 201.7#

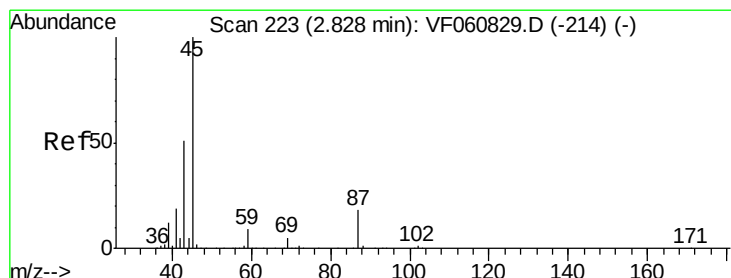
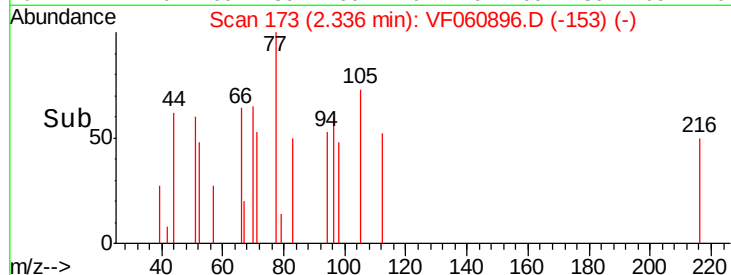
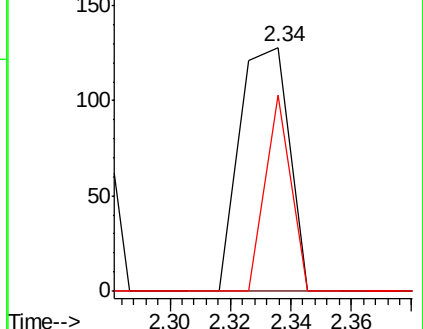
98 80.5 51.6 77.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 11.936 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Tgt Ion: 45 Resp: 497

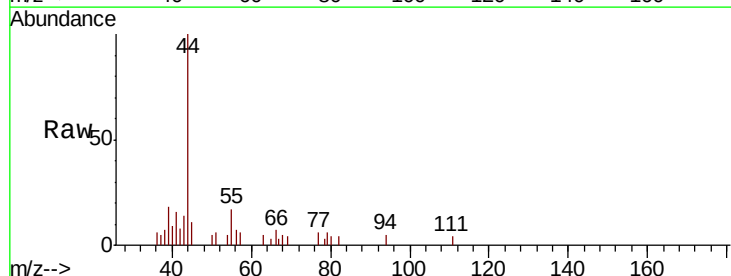
Ion Ratio Lower Upper

45 100

43 134.7 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

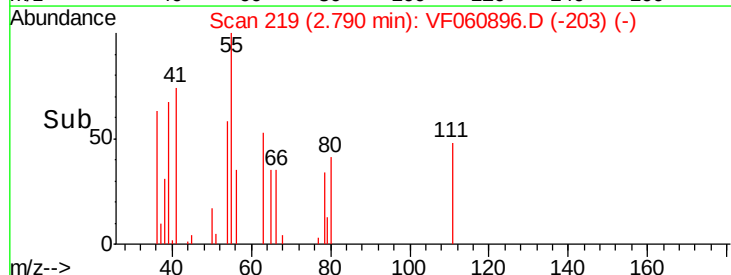
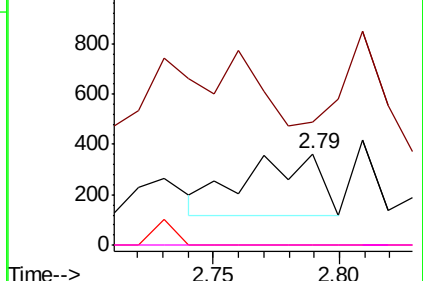


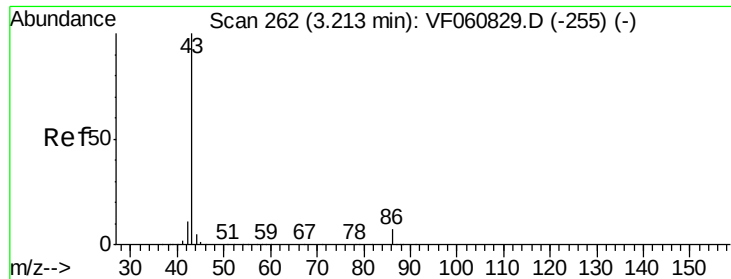
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 83.537 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

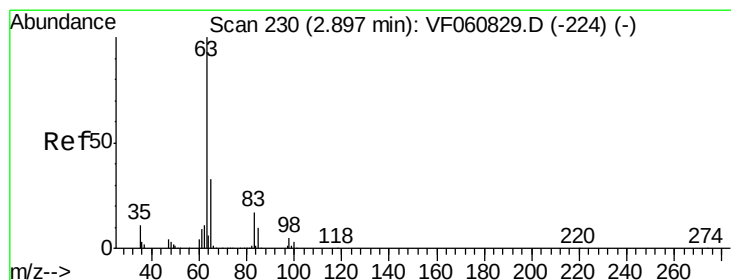
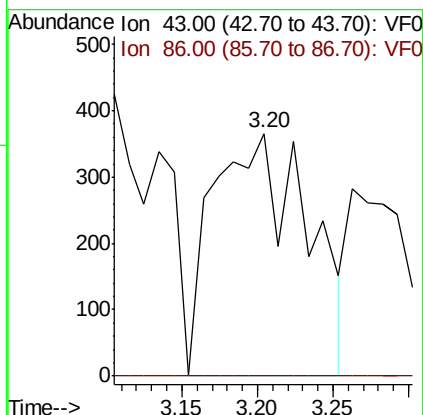
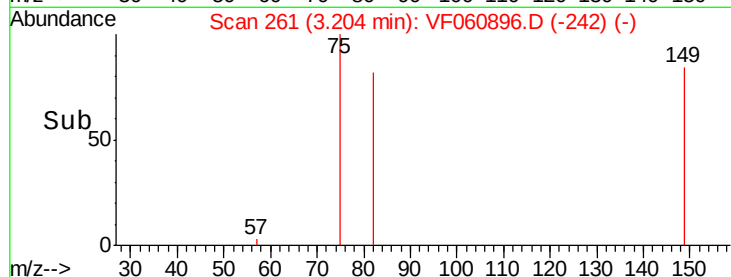
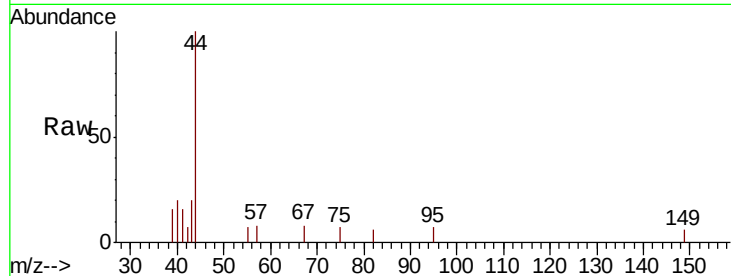
JC-02-113018-DRE

Tot Ion: 43 Resp: 1590

Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#



#24

1,1-Dichloroethane

Concen: 2.624 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

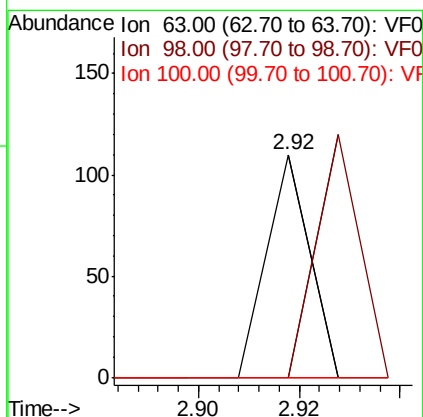
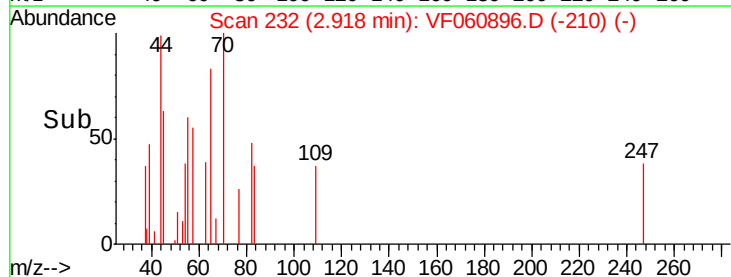
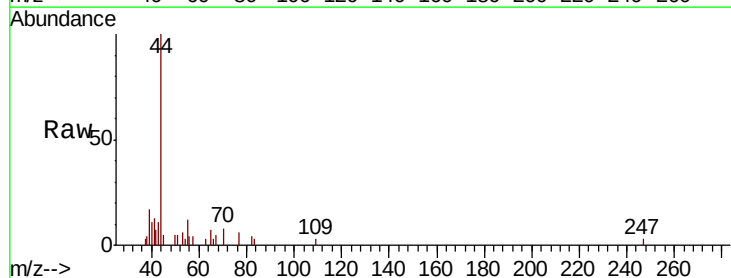
Tgt Ion: 63 Resp: 65

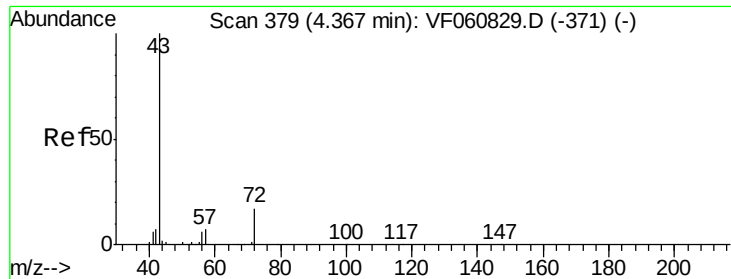
Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

100 0.0 1.5 4.5#





#25

2-Butanone

Concen: 26.614 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

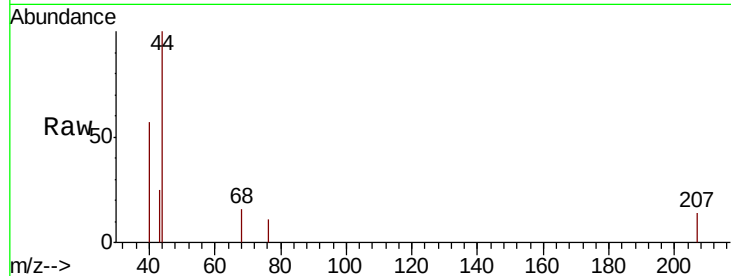
JC-02-113018-DRE

Tot Ion: 43 Resp: 155

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.34

250

200

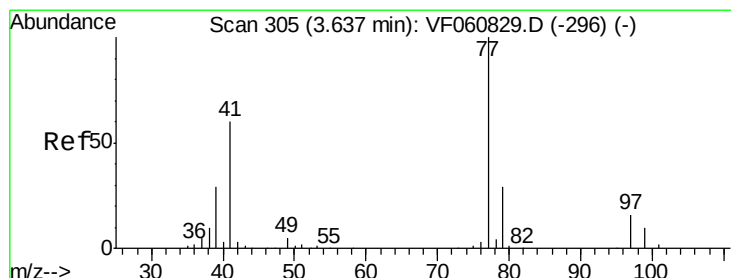
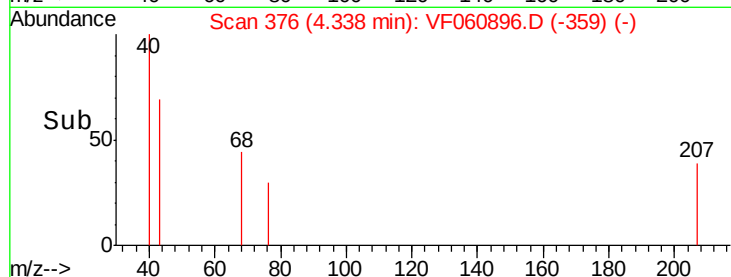
150

100

50

0

Time--> 4.32 4.33 4.34 4.35



#26

2,2-Dichloropropane

Concen: 9.464 ug/l

RT: 3.71 min Scan# 312

Delta R.T. 0.07 min

Lab File: VF060896.D

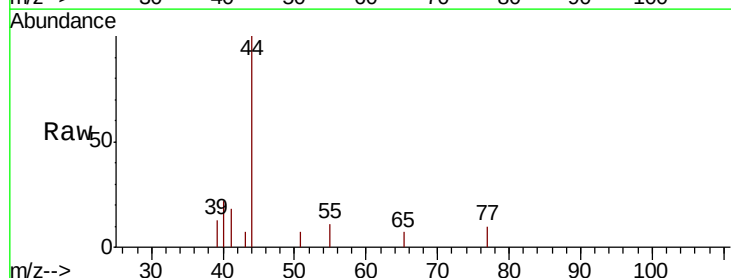
Acq: 3 Dec 2018 17:27

Tgt Ion: 77 Resp: 152

Ion Ratio Lower Upper

77 100

97 0.0 8.6 25.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.71

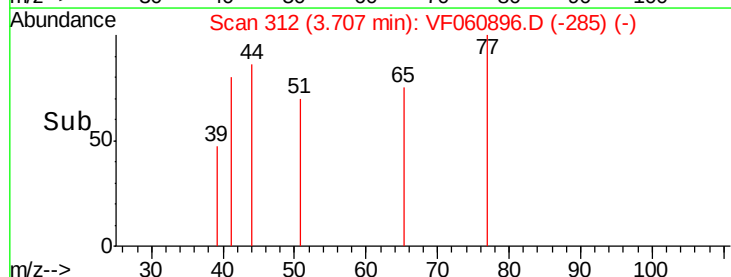
150

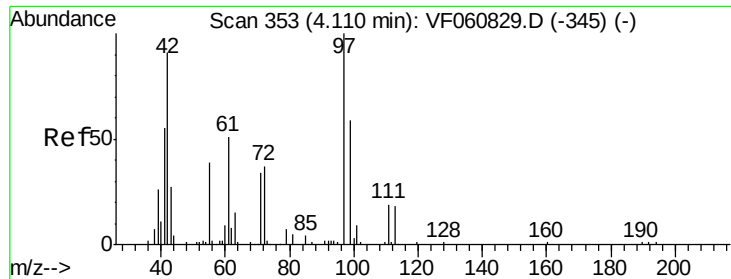
100

50

0

Time--> 3.66 3.68 3.70 3.72 3.74





#29

Tetrahydrofuran

Concen: 61.166 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

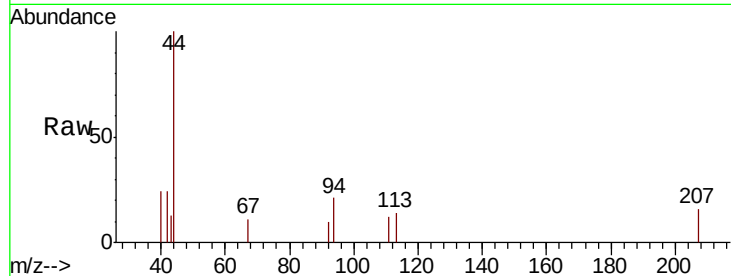
Tot Ion: 42 Resp: 151

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

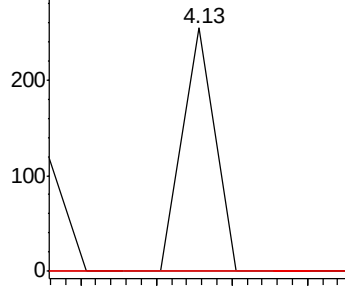
71 0.0 28.7 43.1#



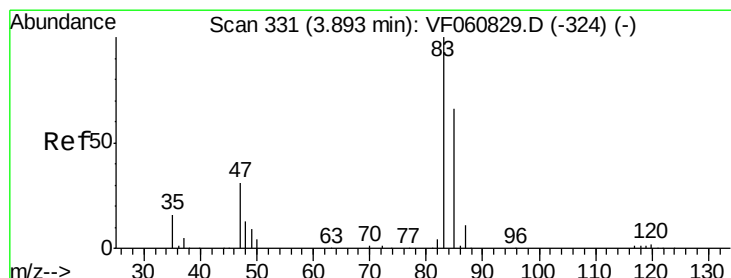
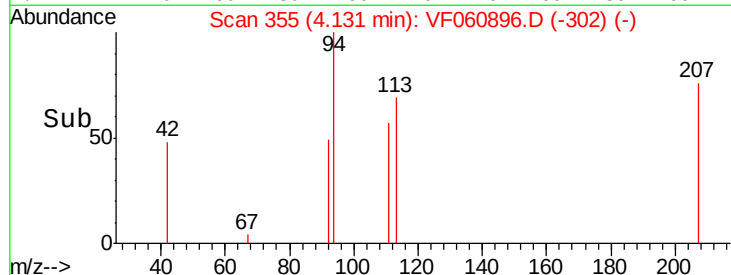
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->



#30

Chloroform

Concen: 1.888 ug/l

RT: 3.84 min Scan# 325

Delta R.T. -0.06 min

Lab File: VF060896.D

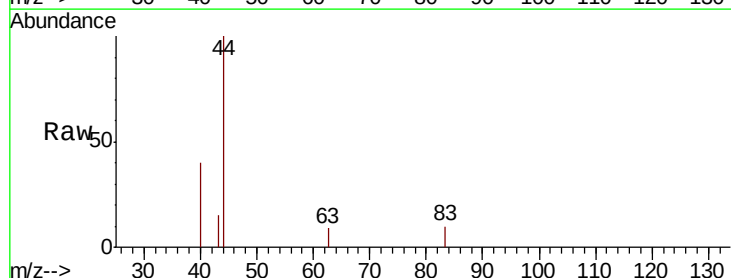
Acq: 3 Dec 2018 17:27

Tgt Ion: 83 Resp: 72

Ion Ratio Lower Upper

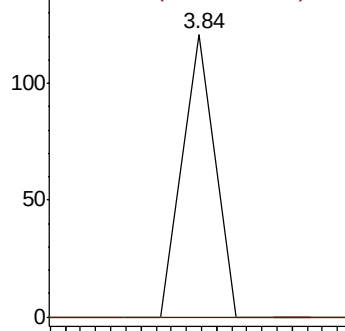
83 100

85 0.0 53.4 80.2#

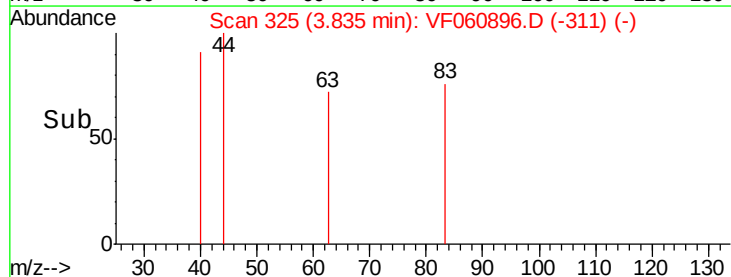


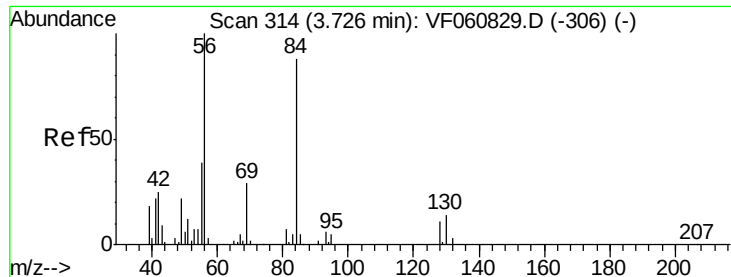
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



Time-->

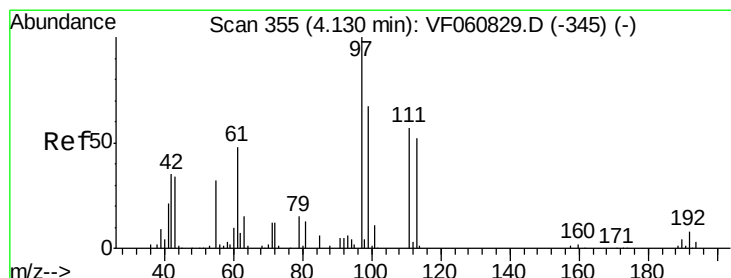
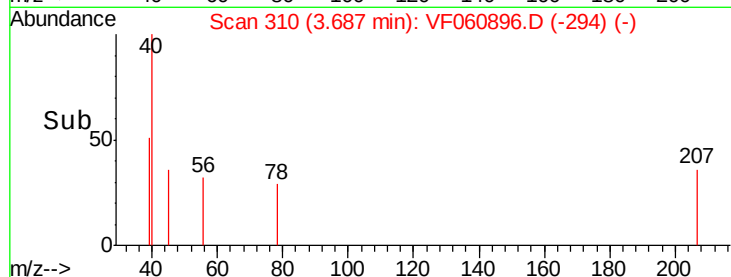
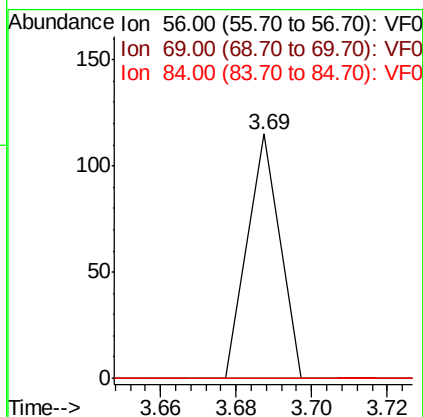
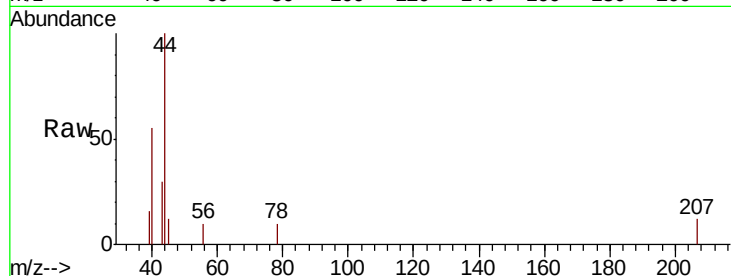




#31
Cyclohexane
Concen: 2.645 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

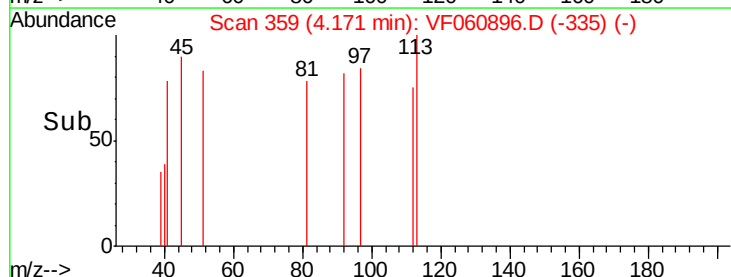
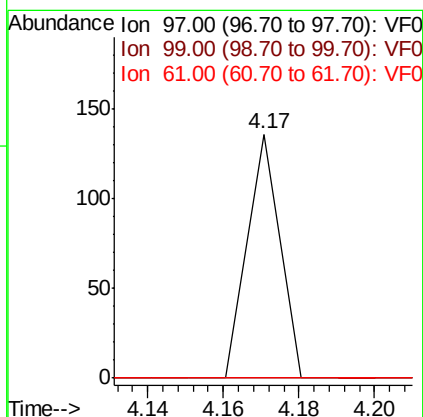
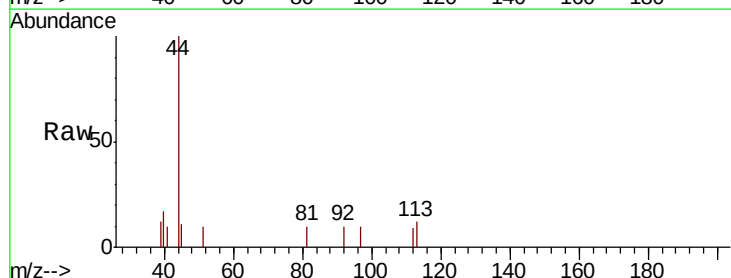
Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-DRE

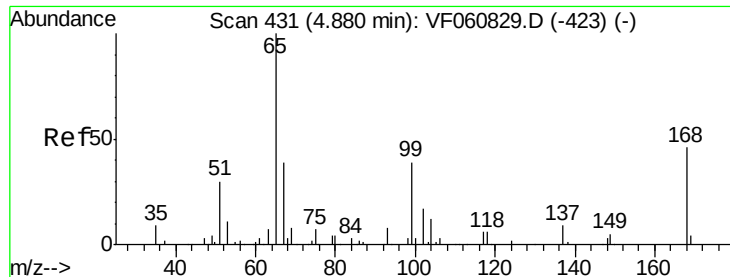
Tot Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
69 0.0 23.0 34.4#
84 0.0 70.4 105.6#



#32
1,1,1-Trichloroethane
Concen: 3.063 ug/l
RT: 4.17 min Scan# 359
Delta R.T. 0.04 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 97 Resp: 81
Ion Ratio Lower Upper
97 100
99 0.0 53.5 80.3#
61 0.0 38.6 58.0#

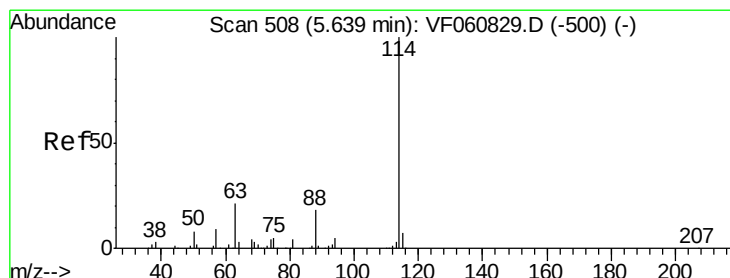
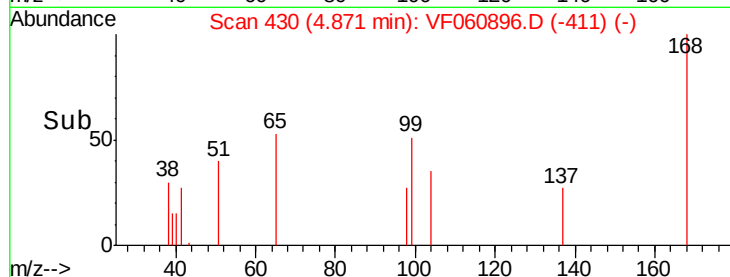
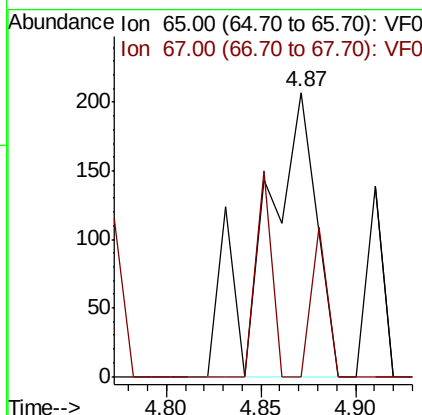
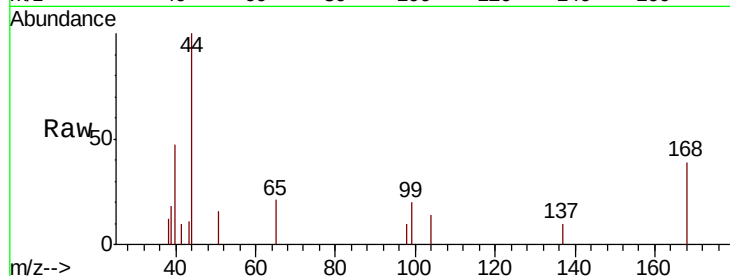




#33
 1,2-Dichloroethane-d4
 Concen: 22.399 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

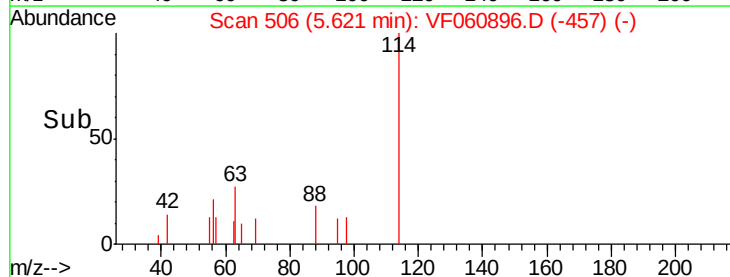
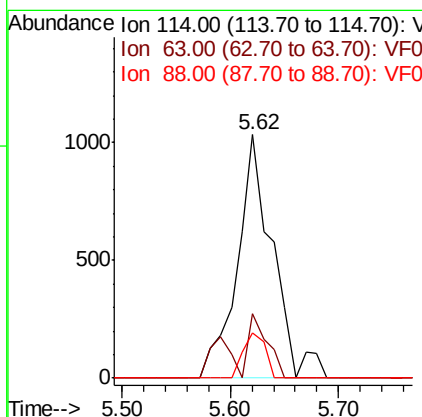
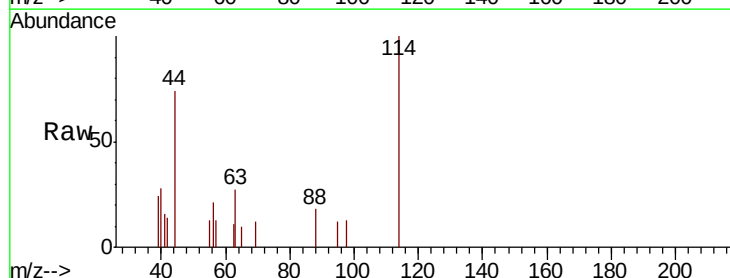
Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-DRE

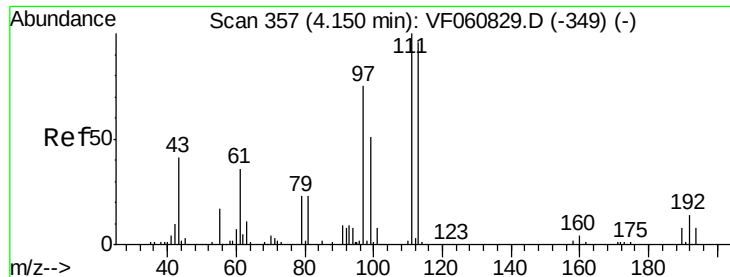
Tot Ion: 65 Resp: 409
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

Tgt Ion: 114 Resp: 2357
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 41.6
 88 18.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 16.579 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

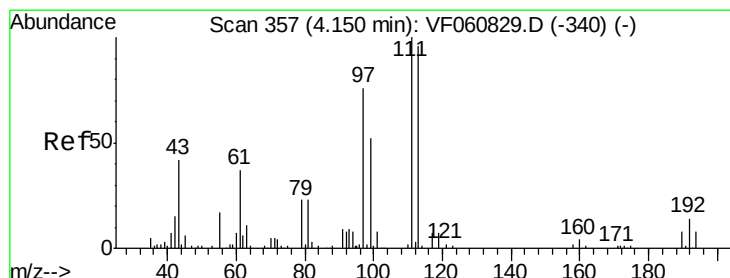
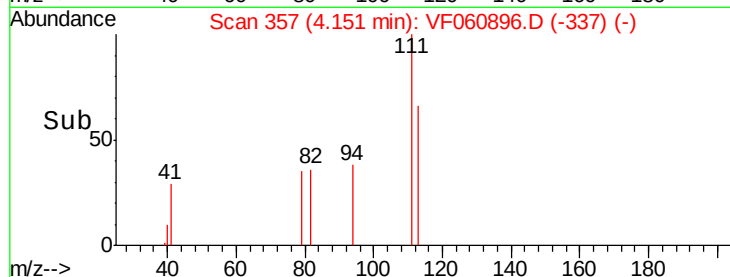
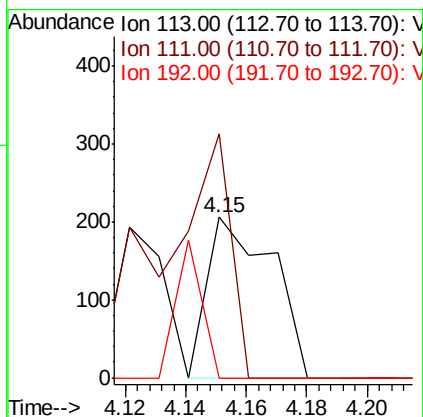
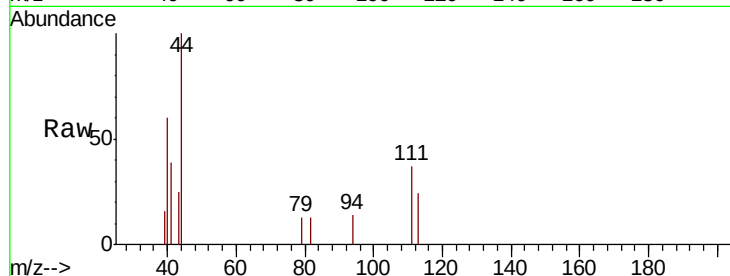
Tot Ion:113 Resp: 310

Ion Ratio Lower Upper

113 100

111 151.9 83.0 124.6#

192 0.0 12.3 18.5#



#37

Ethyl Acetate

Concen: 21.367 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

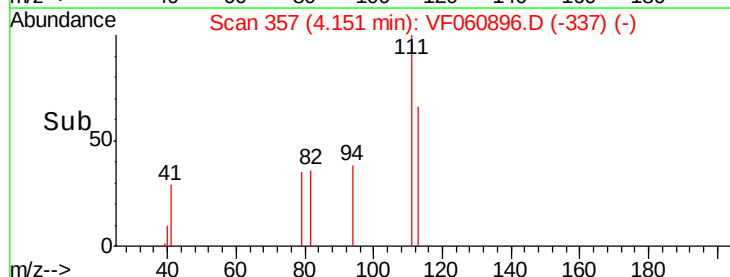
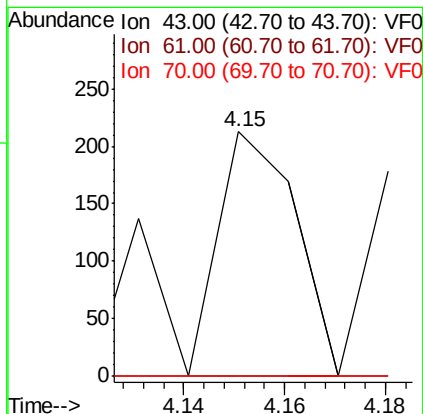
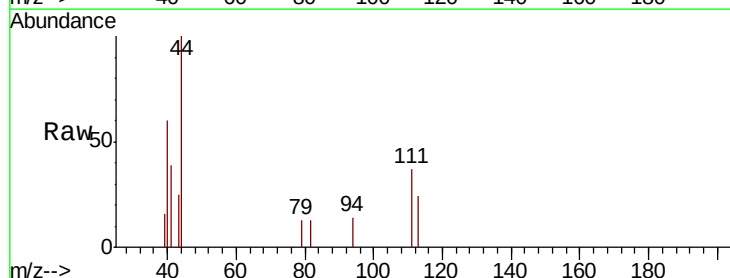
Tgt Ion: 43 Resp: 227

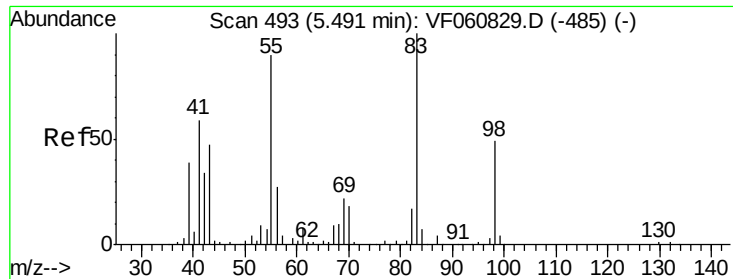
Ion Ratio Lower Upper

43 100

61 0.0 68.6 103.0#

70 0.0 9.0 13.4#

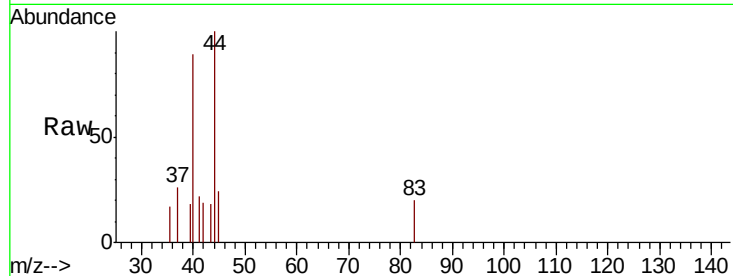




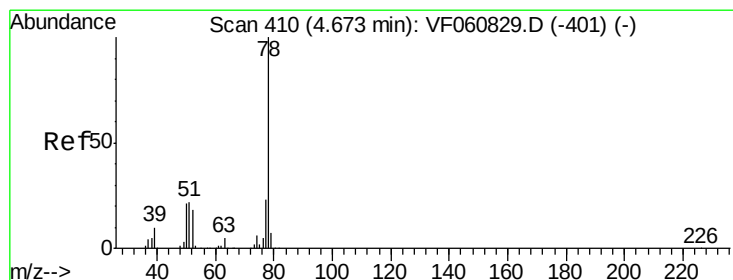
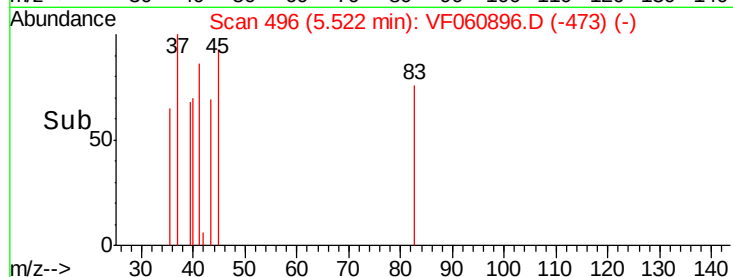
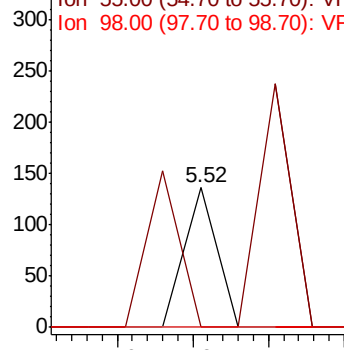
#39
Methylvlcyclohexane
Concen: 2.920 ug/l
RT: 5.52 min Scan# 496
Delta R.T. 0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-DRE

Tot Ion: 83 Resp: 80
Ion Ratio Lower Upper
83 100
55 0.0 72.1 108.1#
98 0.0 39.1 58.7#

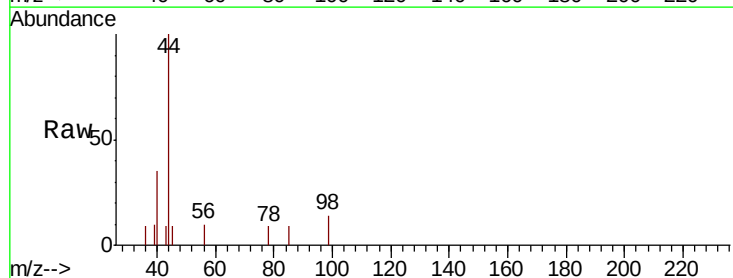


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

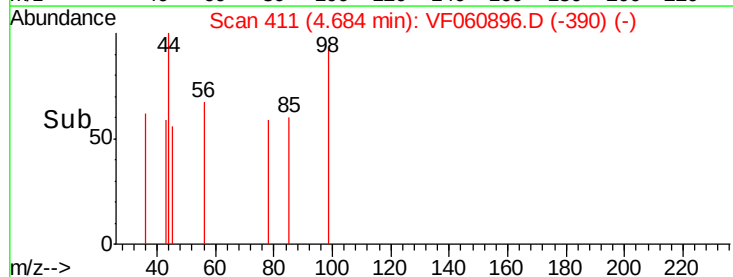
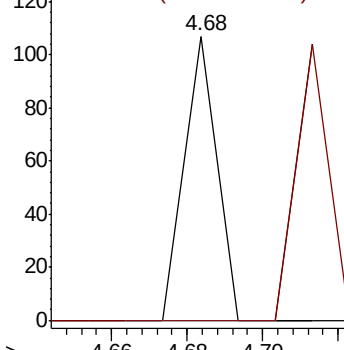


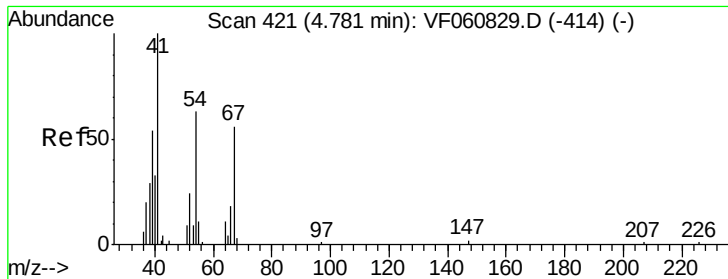
#40
Benzene
Concen: 1.091 ug/l
RT: 4.68 min Scan# 411
Delta R.T. 0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 78 Resp: 63
Ion Ratio Lower Upper
78 100
77 0.0 18.7 28.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

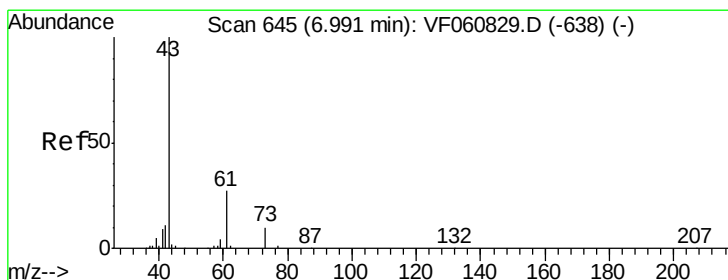
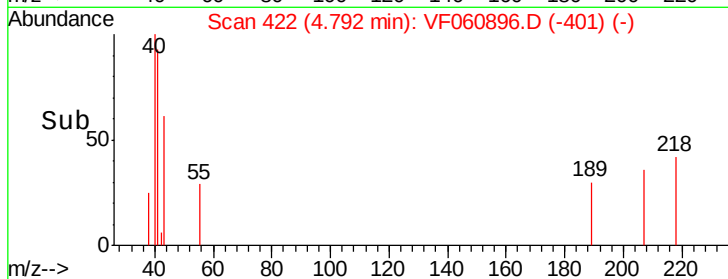
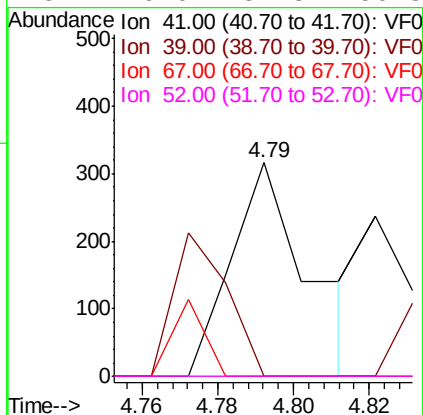
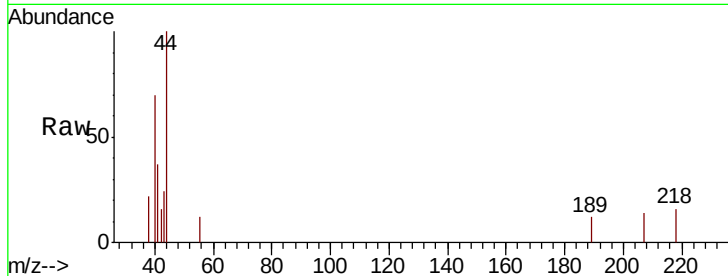




#41
Methacrylonitrile
Concen: 82.909 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

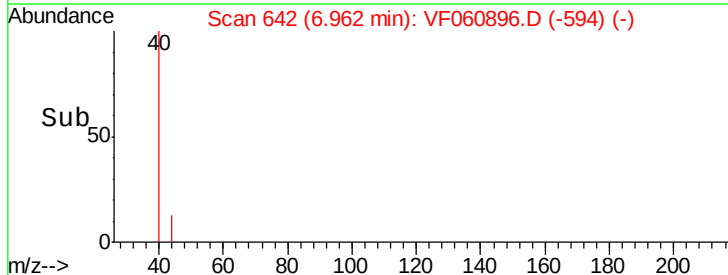
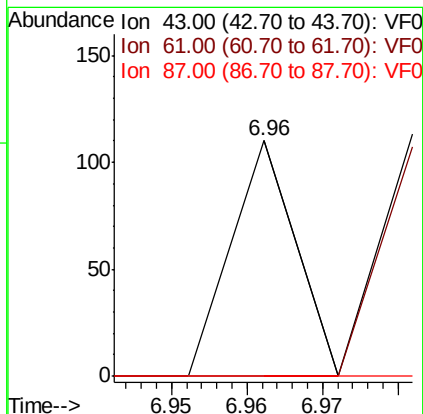
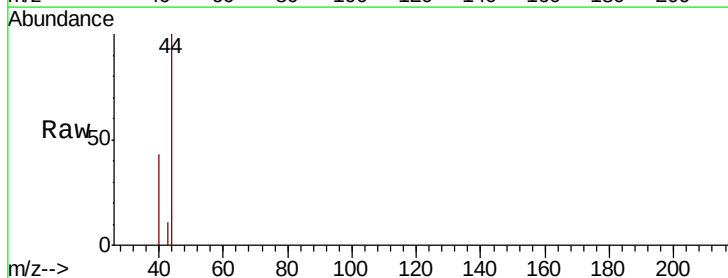
Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-DRE

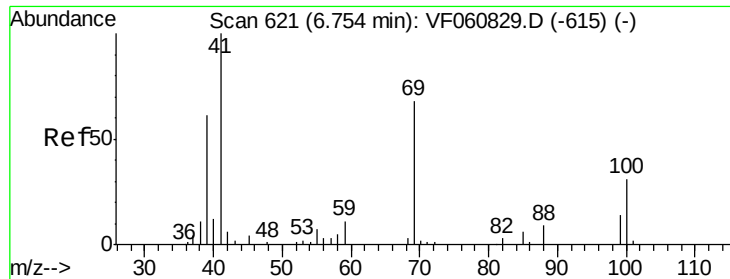
Tot Ion:	41	Resp:	442
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: 2.368 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion:	43	Resp:	65
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

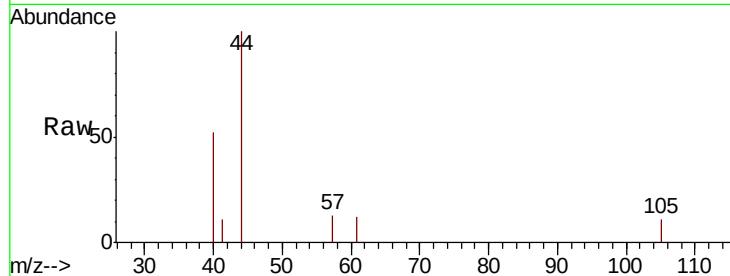




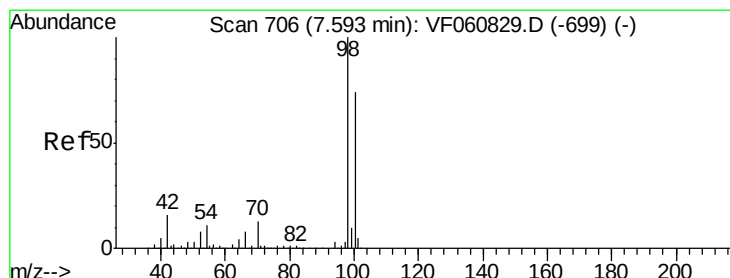
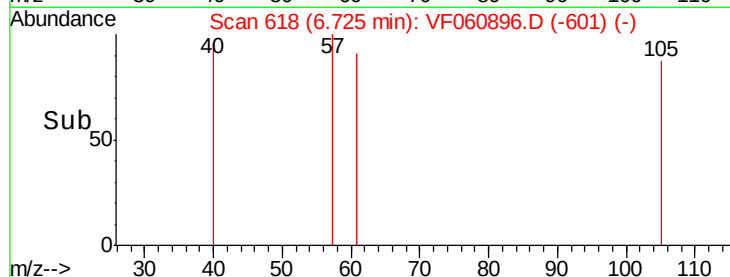
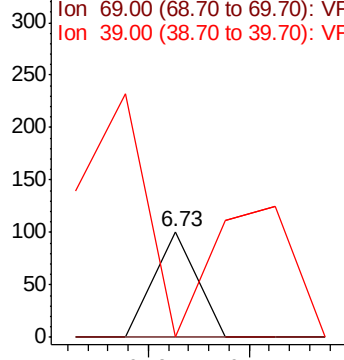
#48
Methyl methacrylate
Concen: 6.239 ug/l
RT: 6.73 min Scan# 618
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-DRE

Tot Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
69 0.0 53.9 80.9#
39 0.0 49.0 73.6#

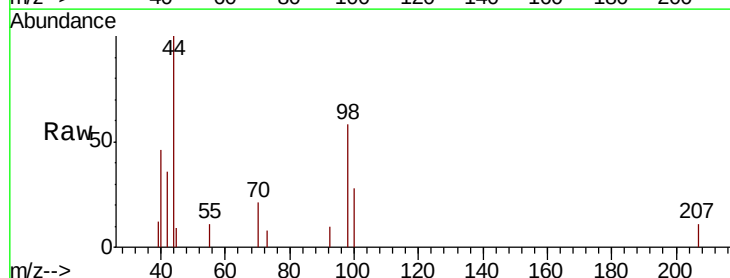


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

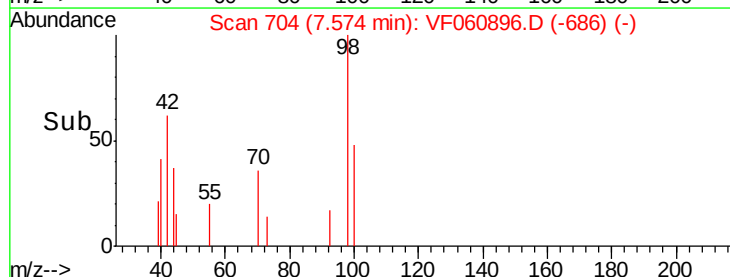
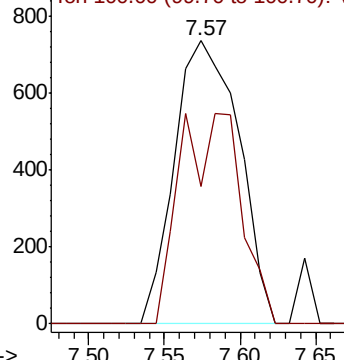


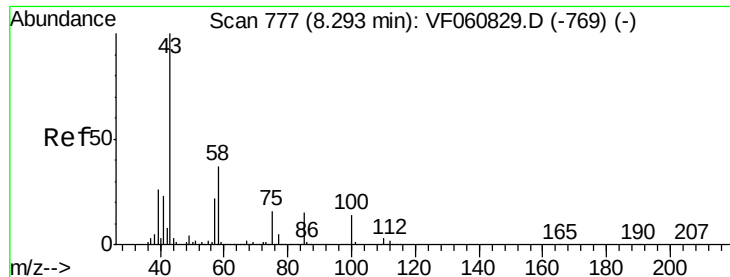
#50
Toluene-d8
Concen: 39.705 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 98 Resp: 2187
Ion Ratio Lower Upper
98 100
100 48.4 59.3 88.9#



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





#51

4-Methyl-2-Pentanone

Concen: 27.151 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

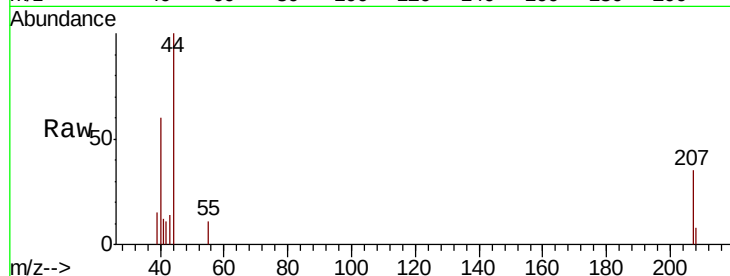
JC-02-113018-DRE

Tot Ion: 43 Resp: 266

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

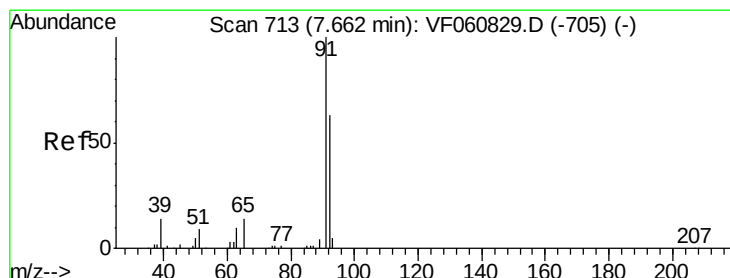
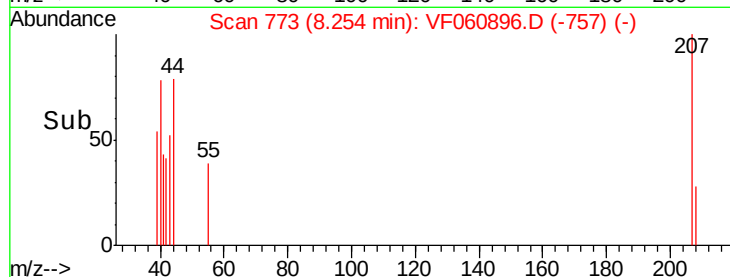
100

50

0

8.22 8.24 8.26 8.28

Time-->



#52

Toluene

Concen: 1.799 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.09 min

Lab File: VF060896.D

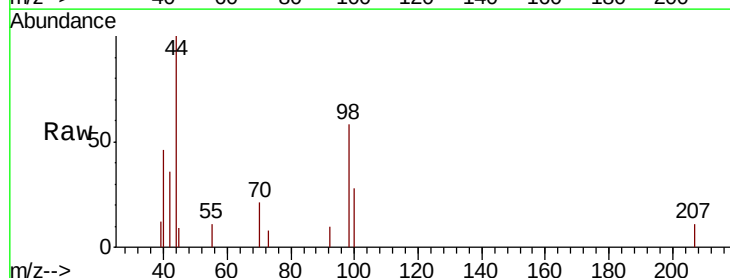
Acq: 3 Dec 2018 17:27

Tgt Ion: 92 Resp: 73

Ion Ratio Lower Upper

92 100

91 0.0 126.2 189.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

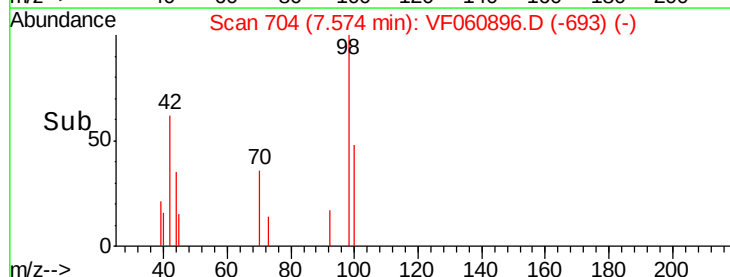
100

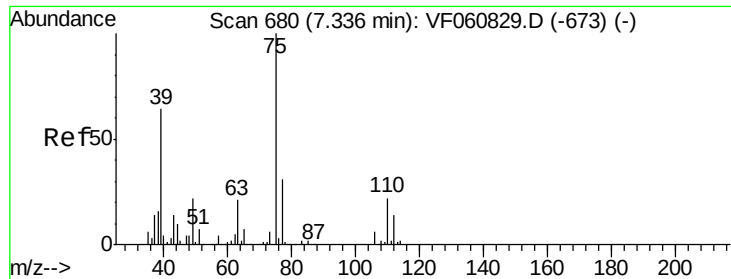
50

0

7.54 7.56 7.58 7.60

Time-->





#54

cis-1,3-Dichloropropene

Concen: 2.462 ug/l

RT: 7.41 min Scan# 687

Delta R.T. 0.07 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

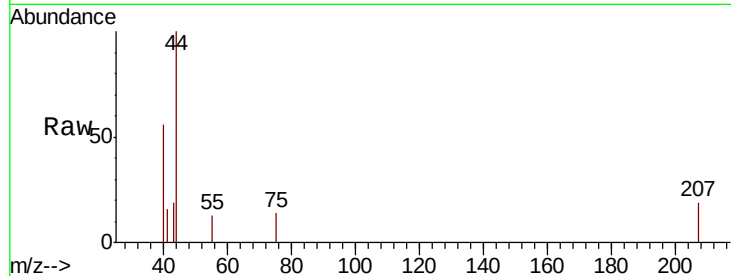
Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

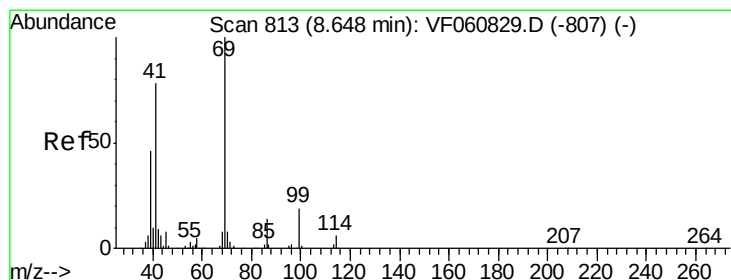
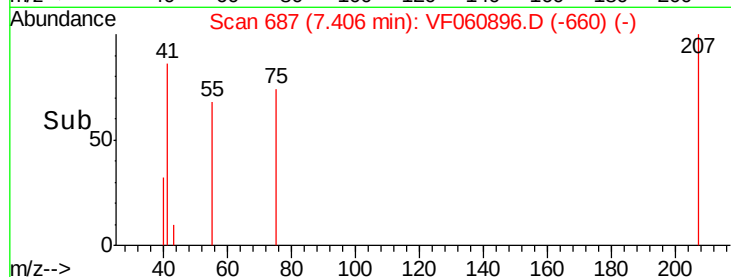
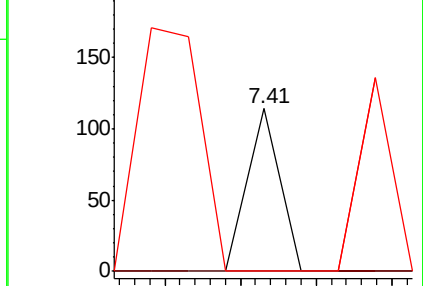
39 0.0 51.1 76.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#56

Ethyl methacrylate

Concen: 5.102 ug/l

RT: 8.69 min Scan# 817

Delta R.T. 0.04 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

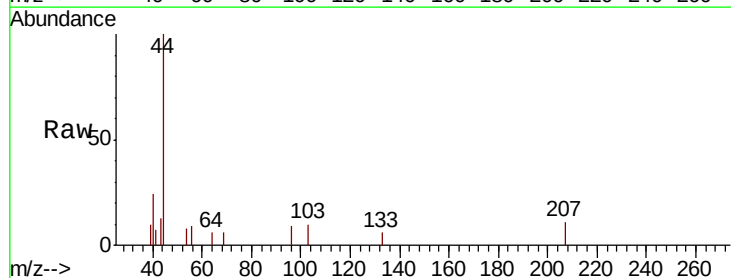
Tgt Ion: 69 Resp: 67

Ion Ratio Lower Upper

69 100

41 112.3 62.6 94.0#

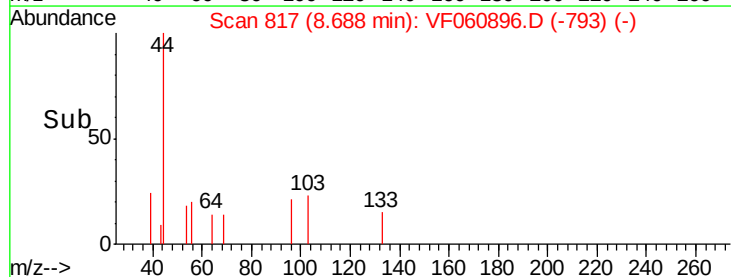
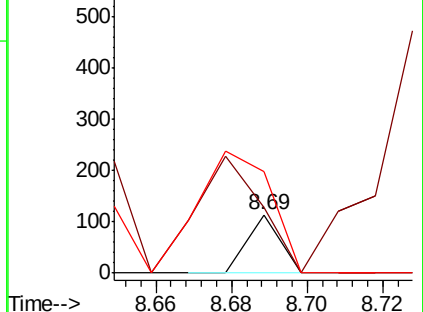
39 173.7 37.8 56.6#

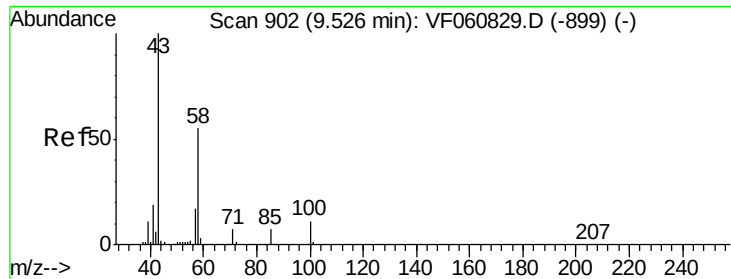


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

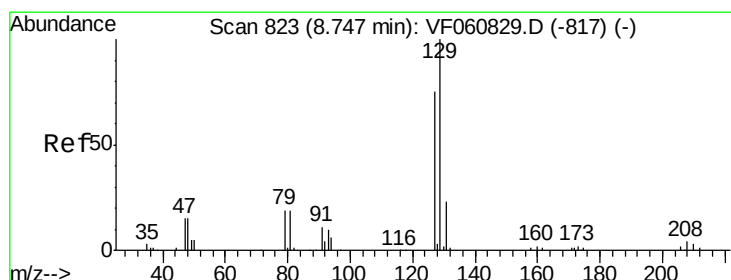
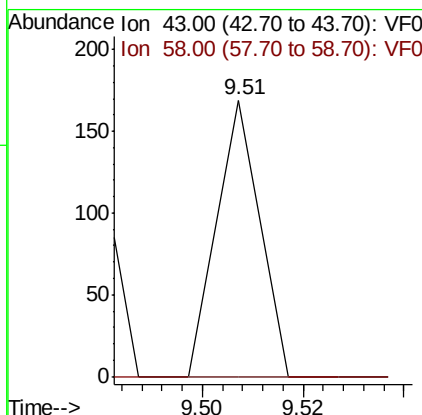
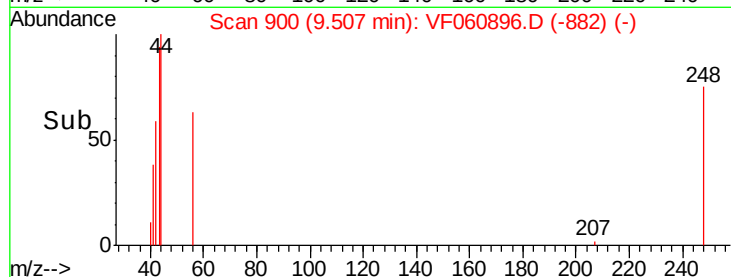
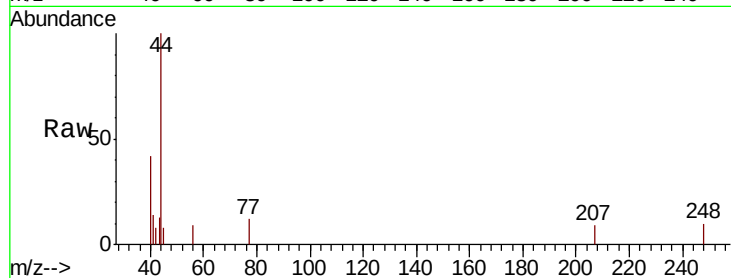




#59
2-Hexanone
Concen: 14.549 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

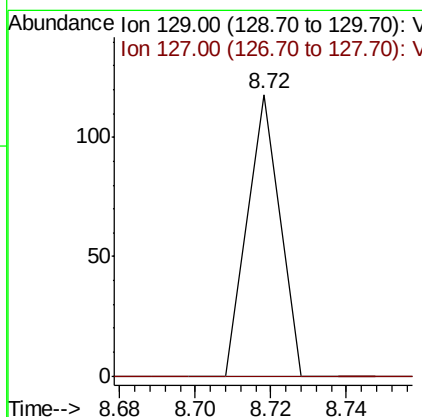
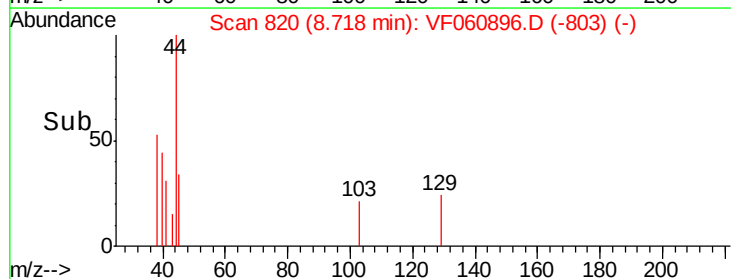
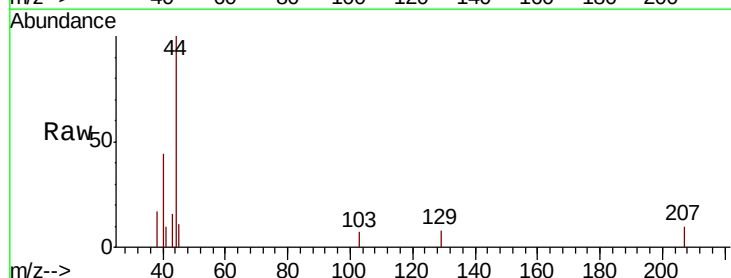
Instrument :
MSVOA_F
ClientSampleId :
JC-02-113018-DRE

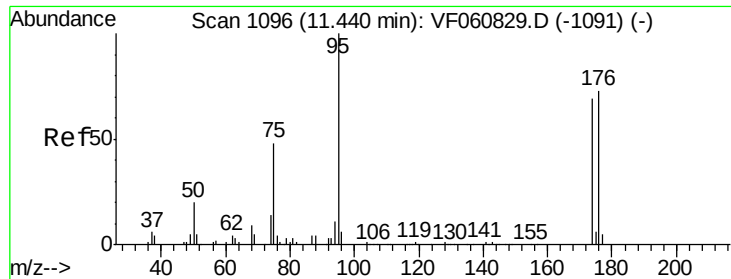
Tot Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#



#60
Dibromochloromethane
Concen: 3.974 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060896.D
Acq: 3 Dec 2018 17:27

Tgt Ion: 129 Resp: 70
Ion Ratio Lower Upper
129 100
127 0.0 37.3 111.9#





#62

4-Bromofluorobenzene

Concen: 18.336 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

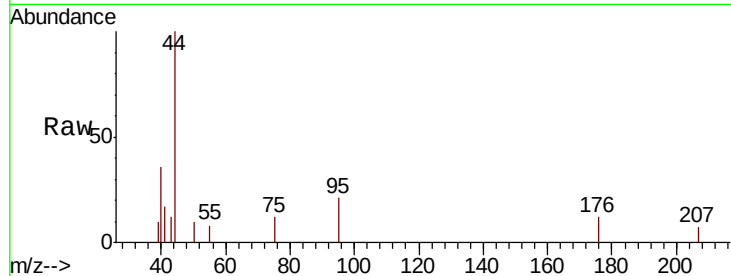
Tot Ion: 95 Resp: 459

Ion Ratio Lower Upper

95 100

174 0.0 0.0 138.2

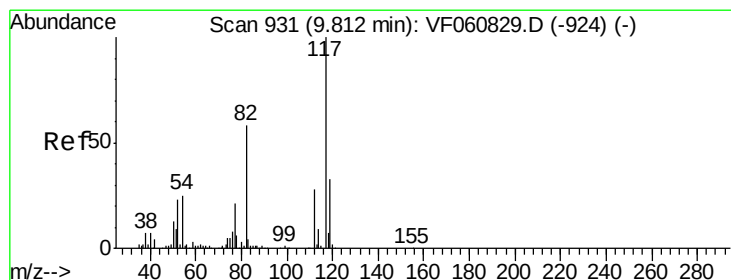
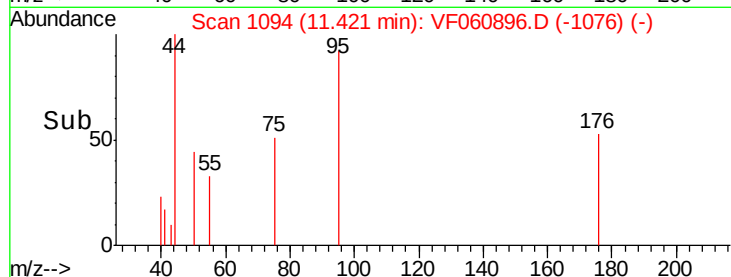
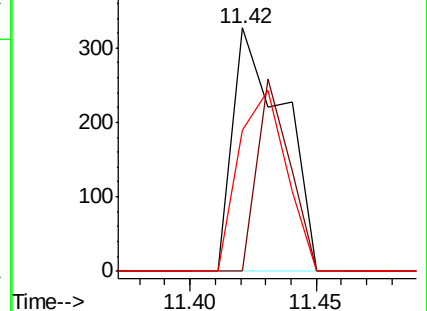
176 58.1 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.80 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

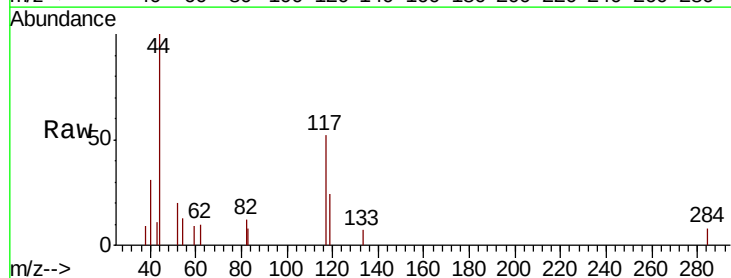
Tgt Ion: 117 Resp: 1595

Ion Ratio Lower Upper

117 100

82 24.1 46.6 69.8#

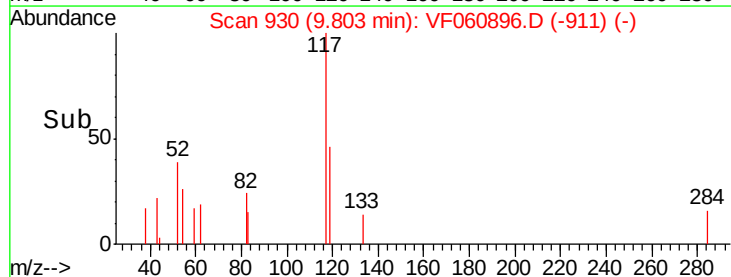
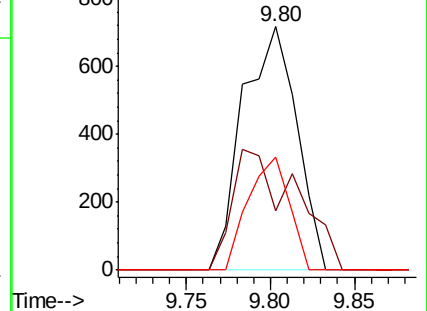
119 46.3 26.4 39.6#

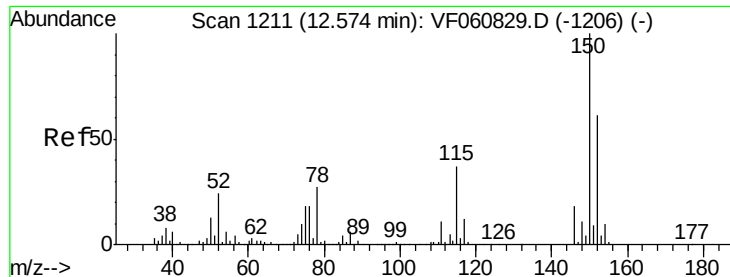


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

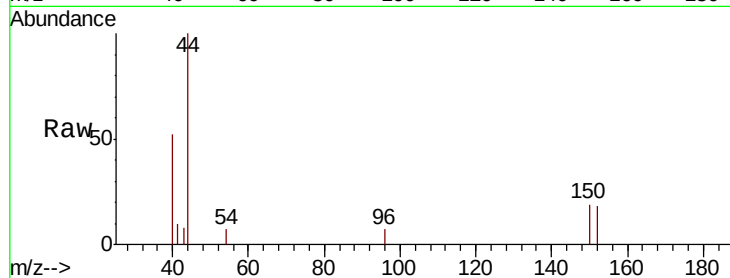
Tot Ion:152 Resp: 545

Ion Ratio Lower Upper

152 100

115 0.0 30.1 90.5#

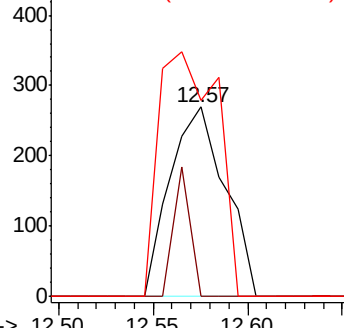
150 103.7 0.0 327.6



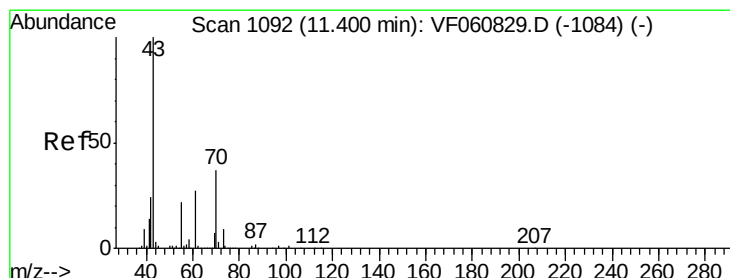
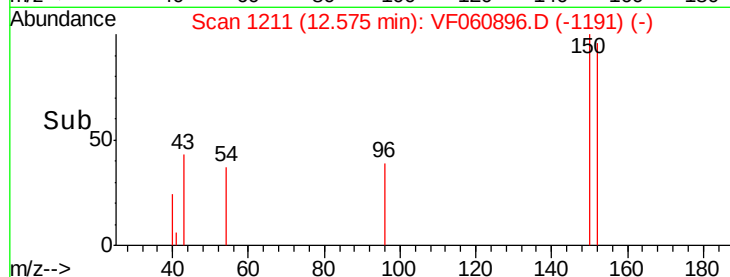
Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



Time--> 12.50 12.55 12.60



#74

N-ethyl acetate

Concen: 33.282 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Tgt Ion: 43 Resp: 331

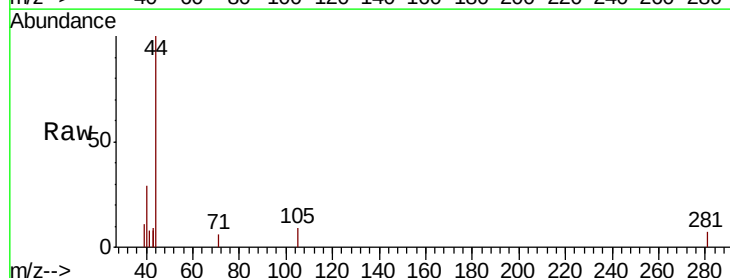
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 17.2 25.8#

61 0.0 21.8 32.6#

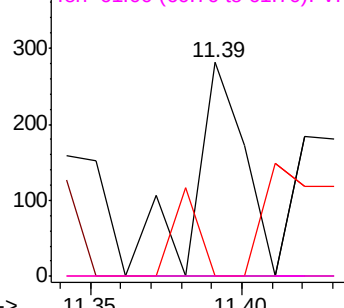


Abundance Ion 43.00 (42.70 to 43.70): VF0

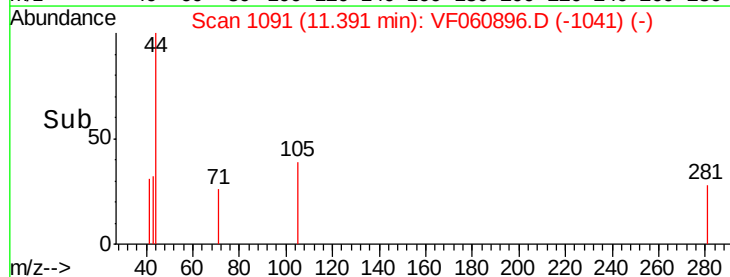
Ion 70.00 (69.70 to 70.70): VF0

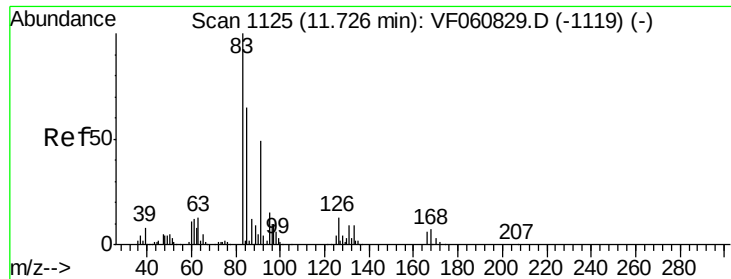
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.35 11.40





#75

1,1,2,2-Tetrachloroethane

Concen: 10.299 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

JC-02-113018-DRE

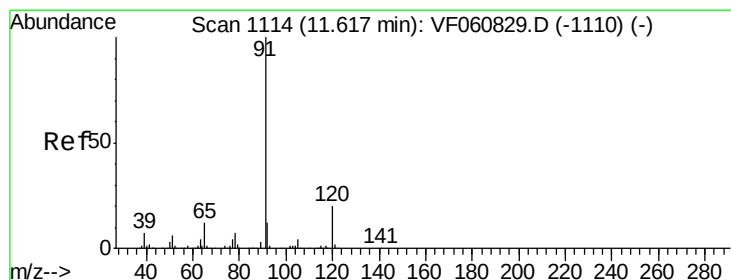
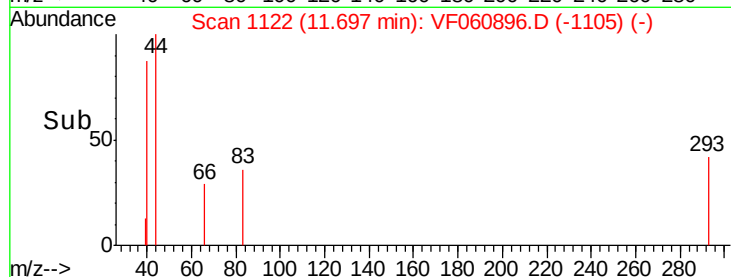
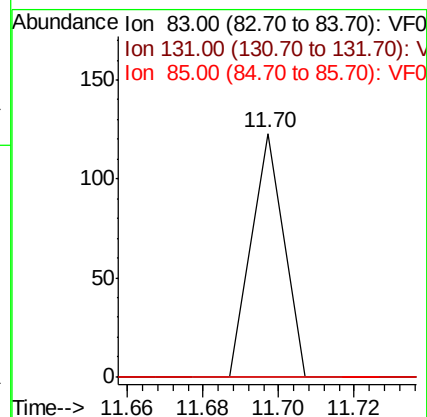
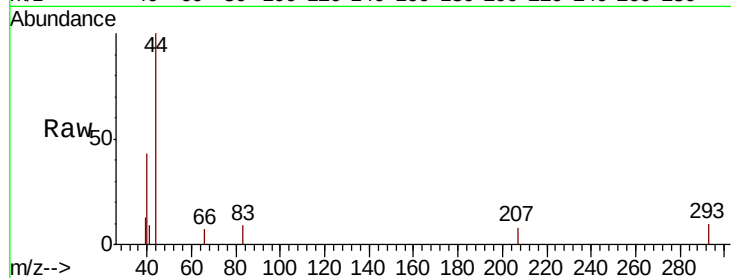
Tot Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.6 97.8#



#78

n-propylbenzene

Concen: 1.546 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.04 min

Lab File: VF060896.D

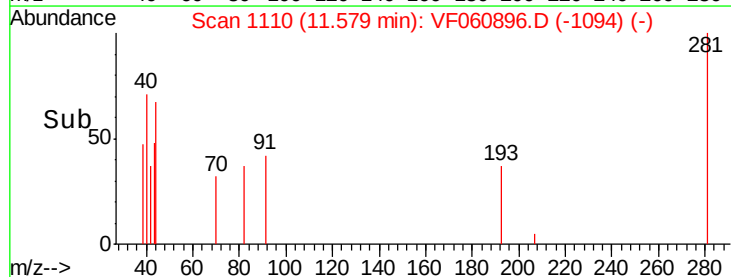
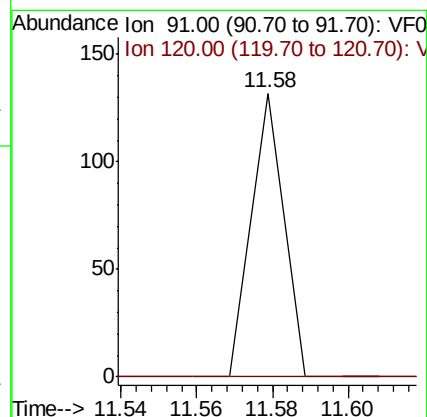
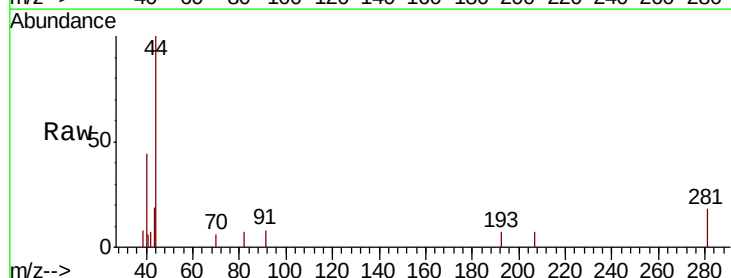
Acq: 3 Dec 2018 17:27

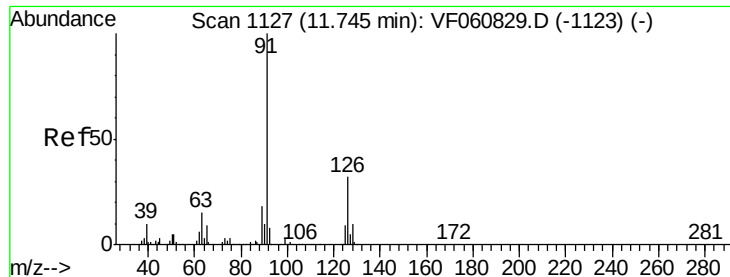
Tgt Ion: 91 Resp: 78

Ion Ratio Lower Upper

91 100

120 0.0 10.3 30.8#

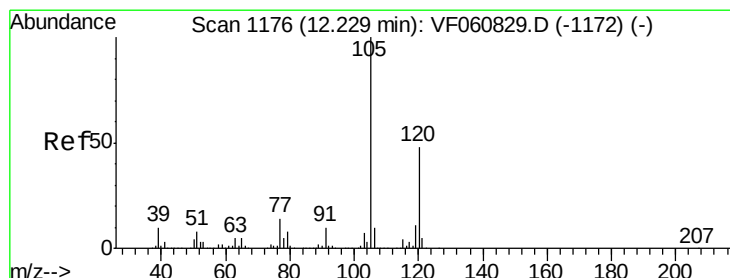
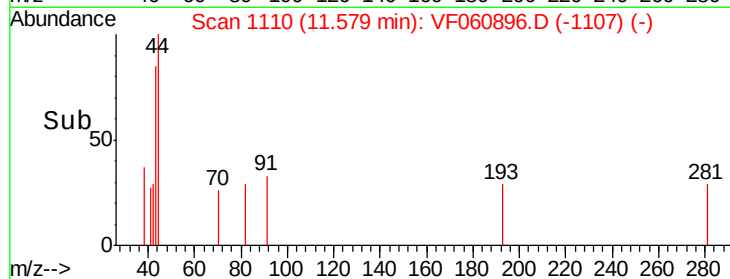
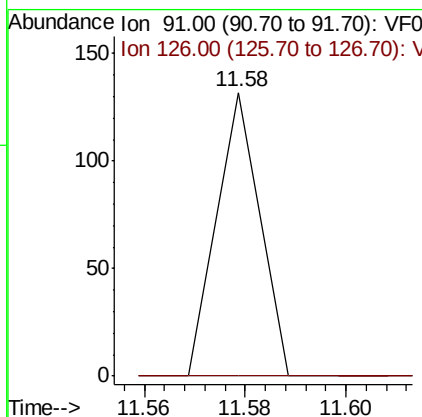
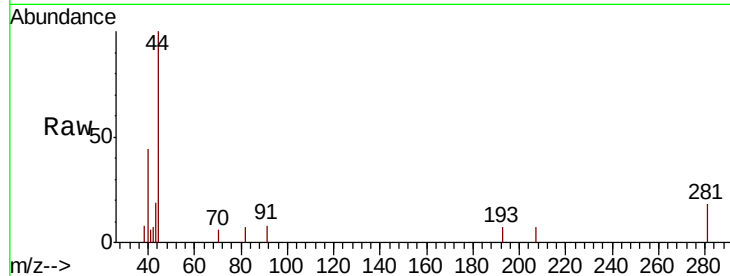




#79
 2-Chlorotoluene
 Concen: 2.697 ug/l
 RT: 11.58 min Scan# 1110
 Delta R.T. -0.17 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

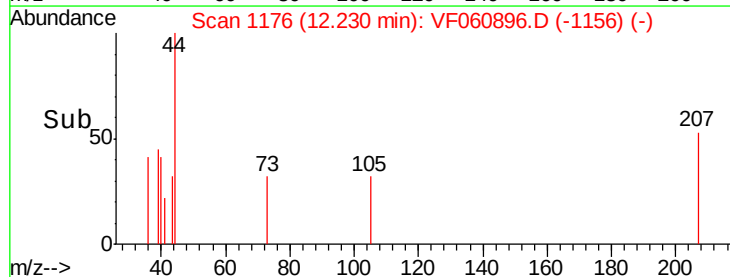
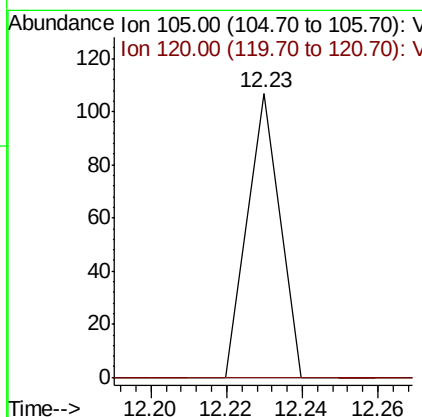
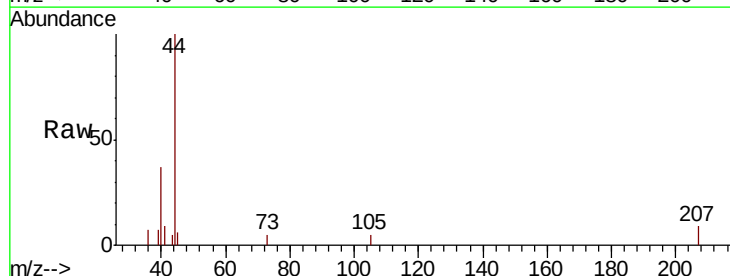
Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-DRE

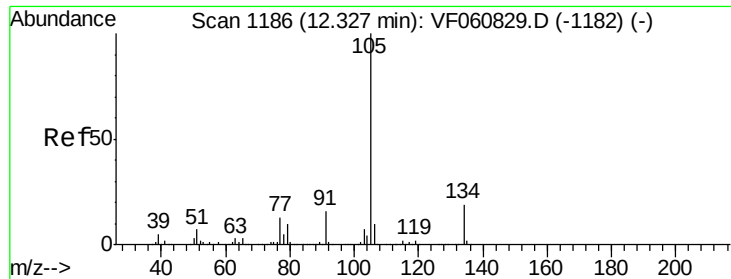
Tot Ion: 91 Resp: 78
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.9 47.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.805 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

Tgt Ion: 105 Resp: 63
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.8 71.5#

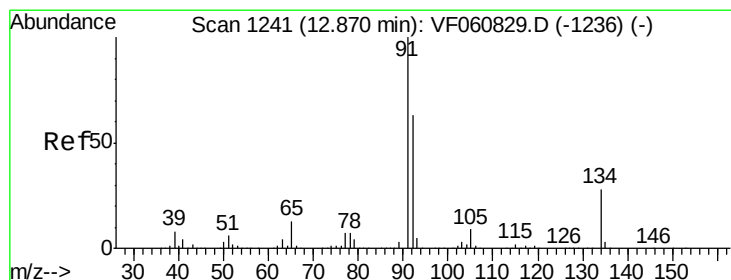
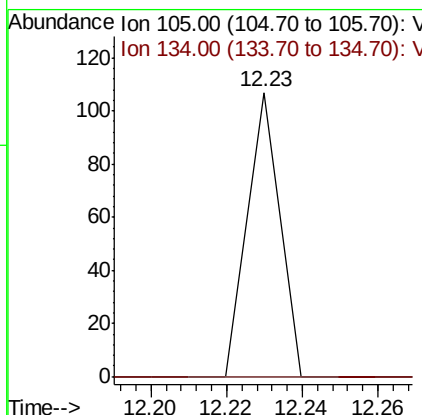
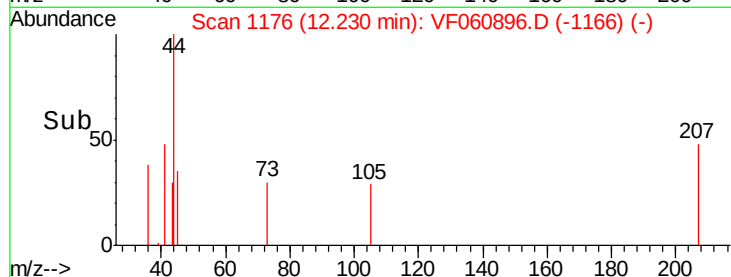
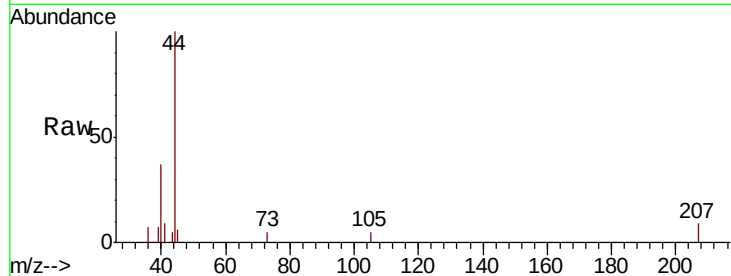




#85
 sec-Butylbenzene
 Concen: 1.292 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. -0.10 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

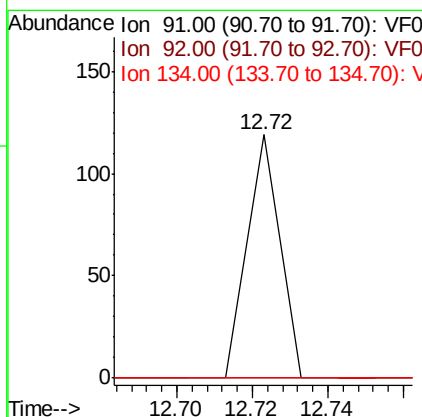
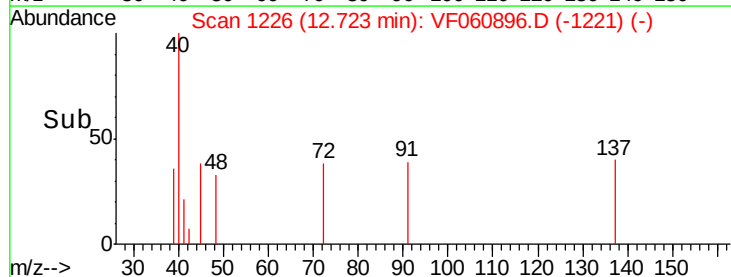
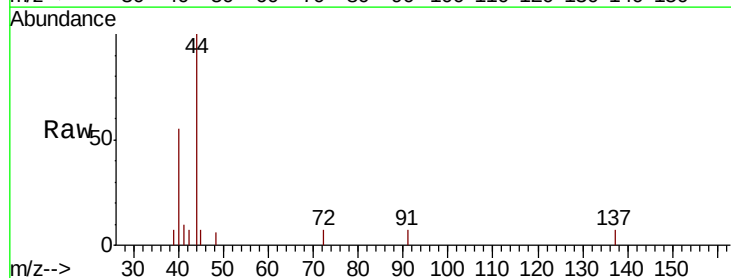
Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-113018-DRE

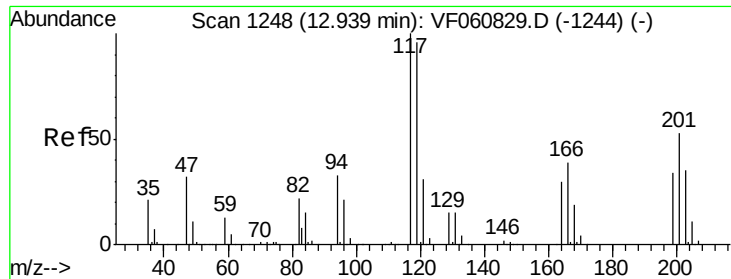
Tot Ion: 105 Resp: 63
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#



#89
 n-Butylbenzene
 Concen: 1.694 ug/l
 RT: 12.72 min Scan# 1226
 Delta R.T. -0.15 min
 Lab File: VF060896.D
 Acq: 3 Dec 2018 17:27

Tgt Ion: 91 Resp: 70
 Ion Ratio Lower Upper
 91 100
 92 0.0 31.6 94.7#
 134 0.0 13.8 41.4#





#90

Hexachloroethane

Concen: 7.721 ug/l

RT: 12.86 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

Instrument :

MSVOA_F

ClientSampleId :

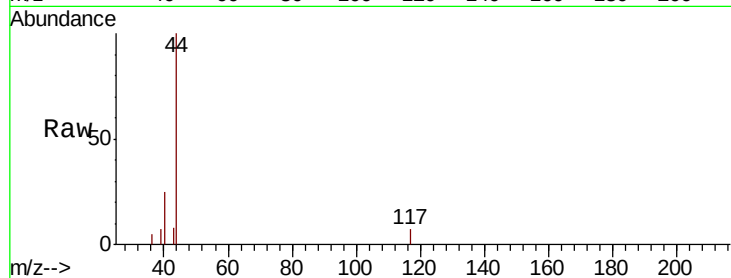
JC-02-113018-DRE

Tot Ion:117 Resp: 76

Ion Ratio Lower Upper

117 100

201 0.0 26.7 80.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

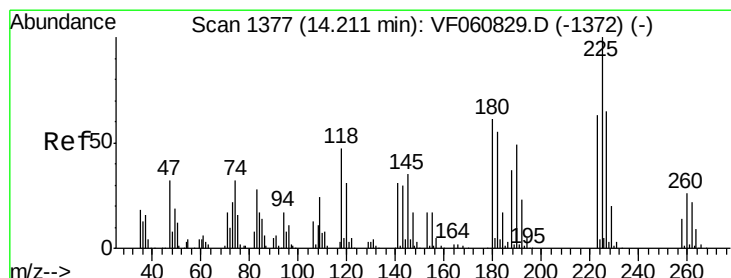
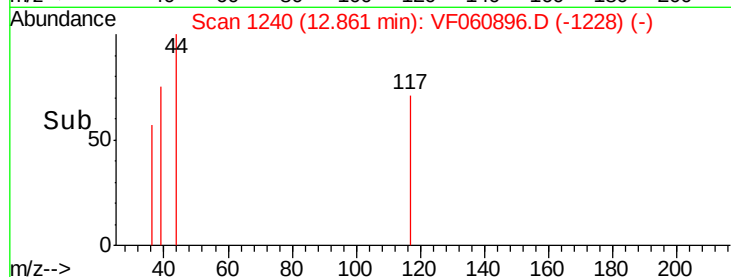
12.86

100

50

0

Time-->



#94

Hexachlorobutadiene

Concen: 7.952 ug/l

RT: 14.32 min Scan# 1388

Delta R.T. 0.11 min

Lab File: VF060896.D

Acq: 3 Dec 2018 17:27

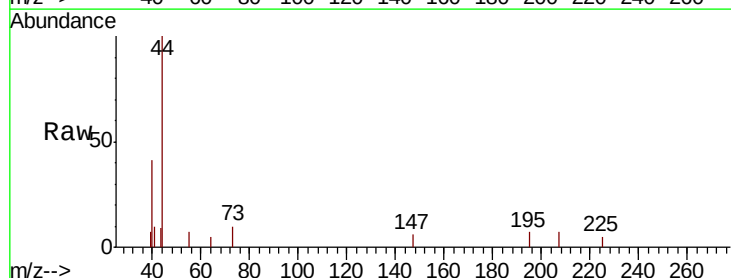
Tgt Ion:225 Resp: 63

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.3#

227 0.0 32.5 97.5#



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

14.32

100

50

0

Time-->

