

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059443.D
 Acq On : 5 Jul 2018 19:27
 Operator : VA/AP
 Sample : J3854-03
 Misc : 3.95µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S5

Quant Time: Jul 06 02:06:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-5.03
34) 1,4-Difluorobenzene	5.74	114	63	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.93	117	62	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	64	0.00	ug/l	-0.16
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	

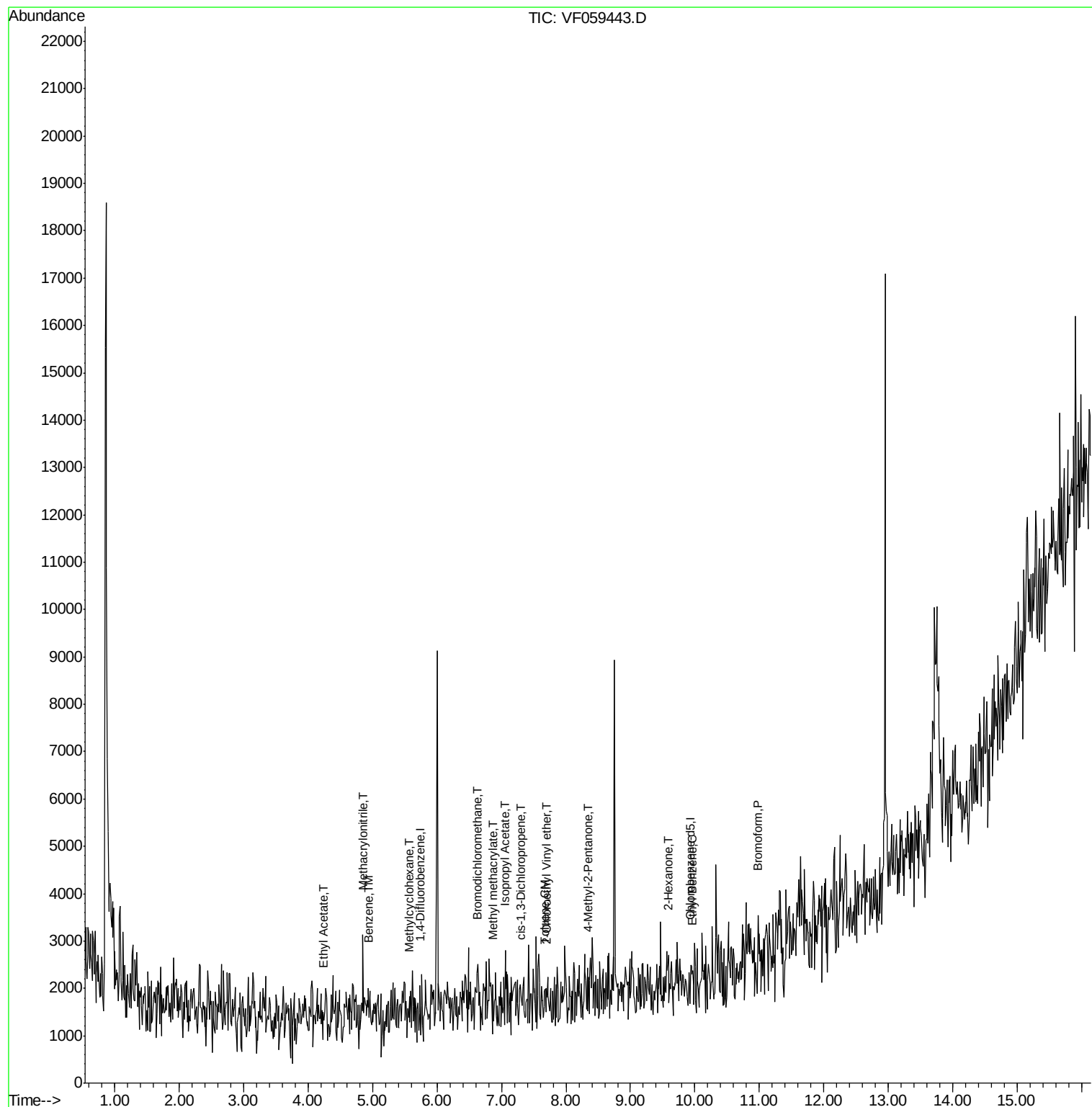
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.24	43	206	601.457	ug/l #	26
39) Methylcyclohexane	5.57	83	99	202.995	ug/l #	15
40) Benzene	4.93	78	97	79.491	ug/l #	51
41) Methacrylonitrile	4.85	41	115	612.570	ug/l #	43
43) Isopropyl Acetate	7.07	43	66	143.973	ug/l #	52
47) Bromodichloromethane	6.63	83	70	95.564	ug/l #	26
48) Methyl methacrylate	6.87	41	91	296.184	ug/l #	52
51) 4-Methyl-2-Pentanone	8.35	43	235	691.949	ug/l #	39
52) Toluene	7.67	92	64	70.092	ug/l #	1
54) cis-1,3-Dichloropropene	7.30	75	70	96.519	ug/l #	23
58) 2-Chloroethyl Vinyl ether	7.70	63	61	1851.995	ug/l	100
59) 2-Hexanone	9.58	43	74	292.935	ug/l #	30
67) Ethyl Benzene	9.96	91	63	32.325	ug/l #	44
71) Bromoform	10.99	173	62	182.044	ug/l #	28

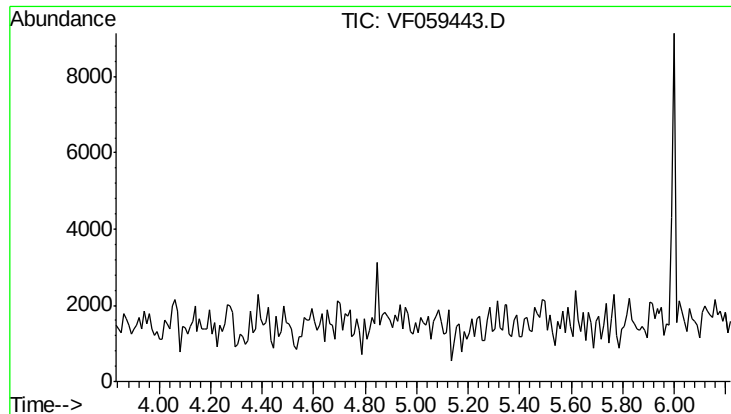
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070518\
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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 5.03 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

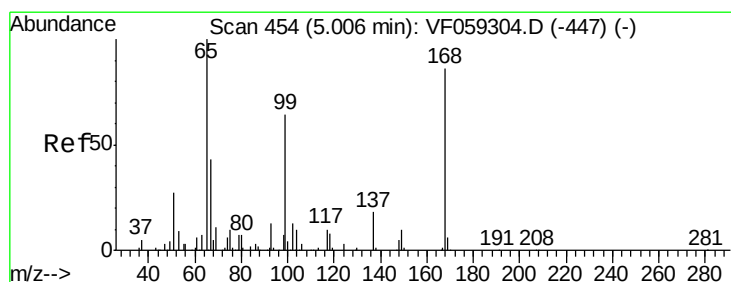
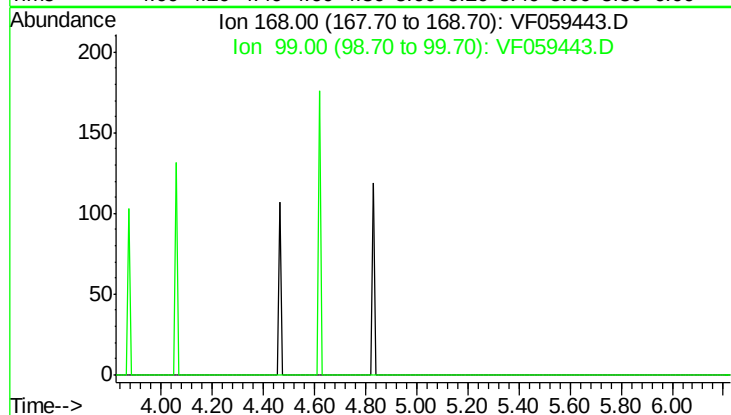
S5

Tot Ion: 168

Sig Exp Ratio

168 100

99 68.6



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.85 min Scan# 438

Delta R.T. -0.16 min

Lab File: VF059443.D

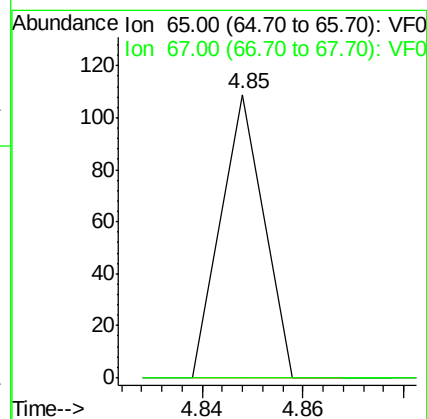
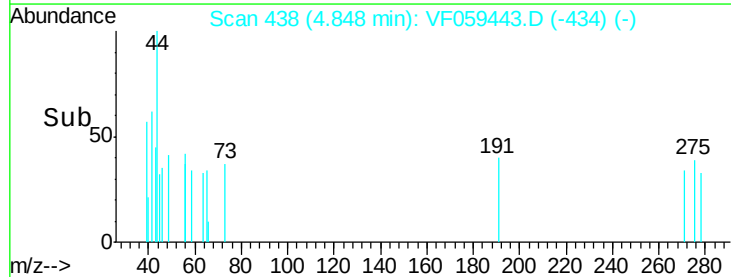
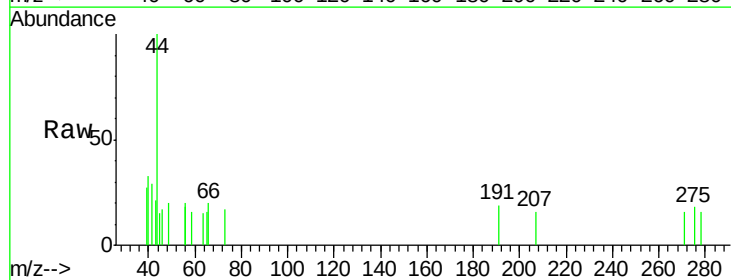
Acq: 5 Jul 2018 19:27

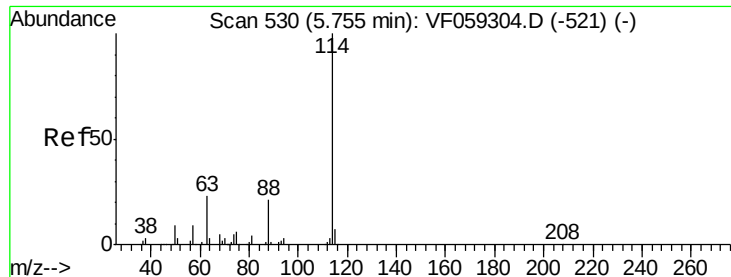
Tgt Ion: 65 Resp: 64

Ion Ratio Lower Upper

65 100

67 0.0 0.0 96.8

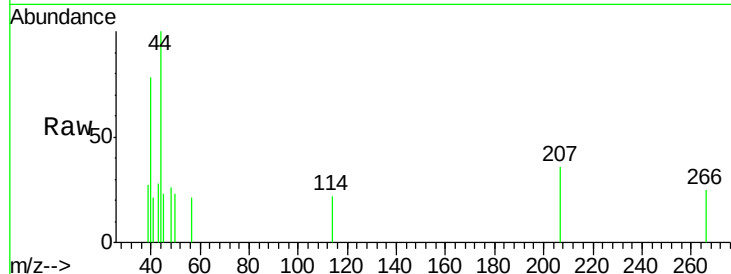




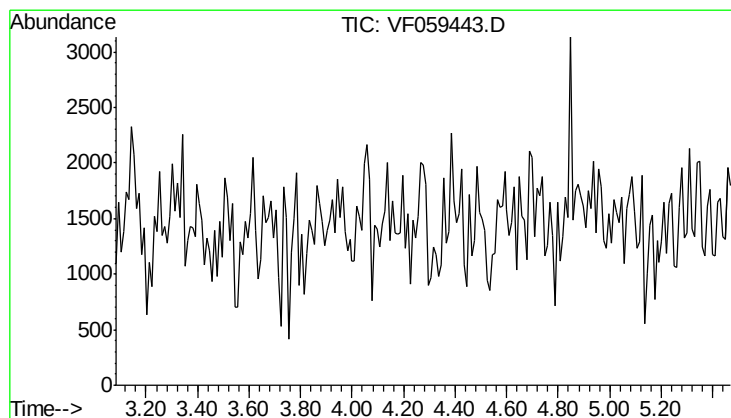
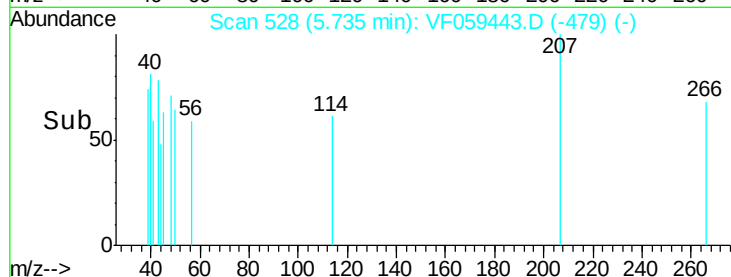
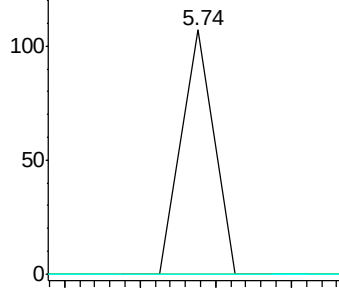
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.74 min Scan# 528
Delta R.T. -0.02 min
Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Instrument :
MSVOA_F
ClientSampled :
S5

Tot Ion:114 Resp: 63
Ion Ratio Lower Upper
114 100
63 0.0 0.0 45.8
88 0.0 0.0 41.2



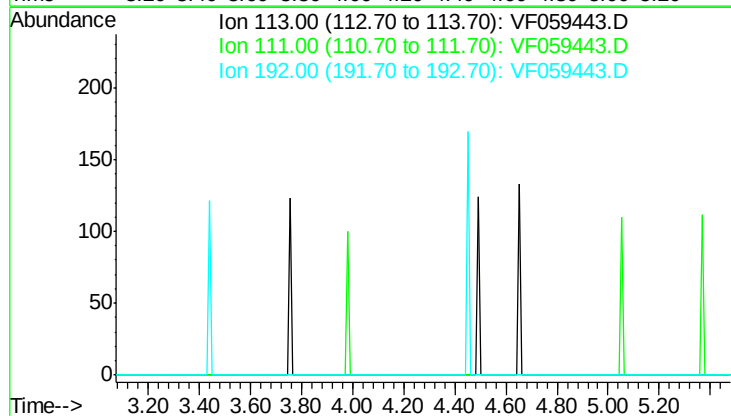
Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

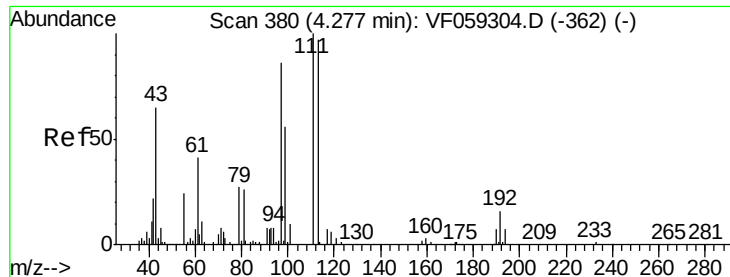


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.28 min

Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Tgt Ion: 113
Sig Exp Ratio
113 100
111 102.6
192 16.3





#37

Ethyl Acetate

Concen: 601.457 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.04 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

Instrument :

MSVOA_F

ClientSampled :

S5

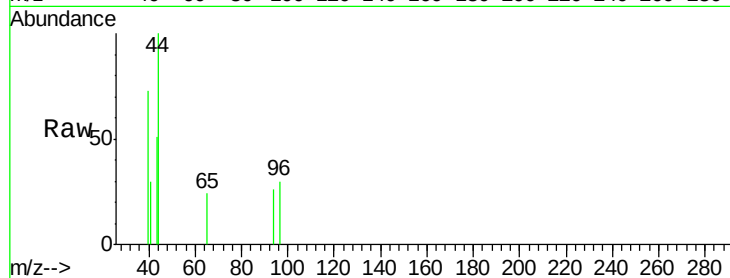
Tot Ion: 43 Resp: 206

Ion Ratio Lower Upper

43 100

61 0.0 50.1 75.1#

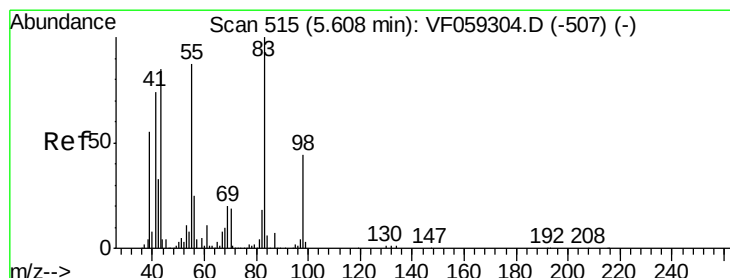
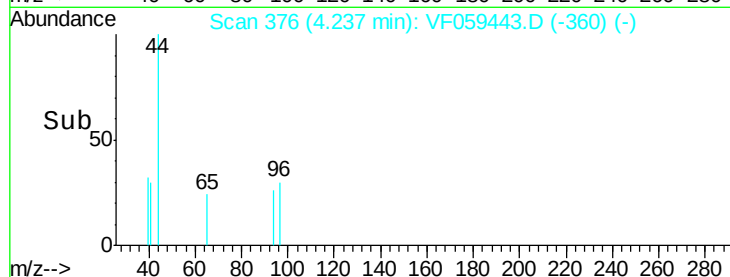
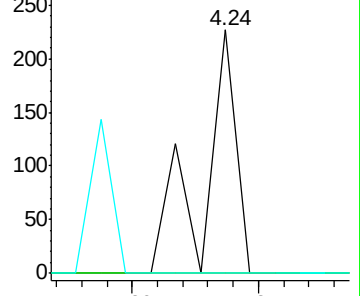
70 0.0 6.2 9.4#



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: 202.995 ug/l

RT: 5.57 min Scan# 511

Delta R.T. -0.04 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

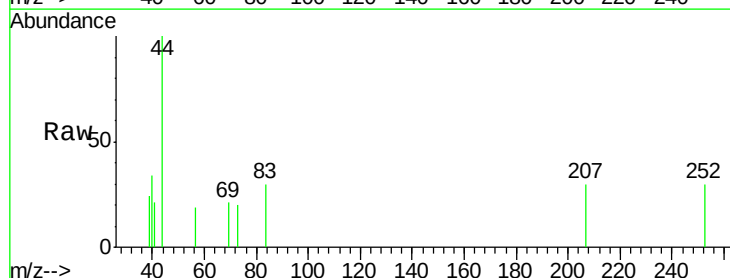
Tgt Ion: 83 Resp: 99

Ion Ratio Lower Upper

83 100

55 0.0 69.2 103.8#

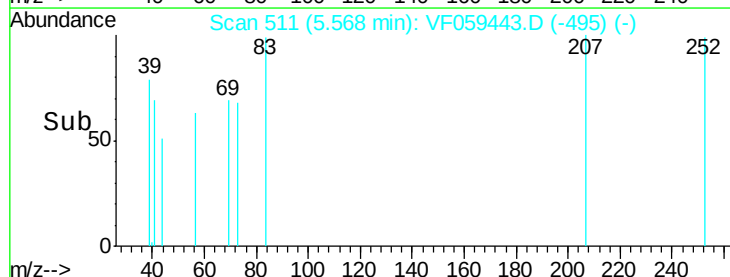
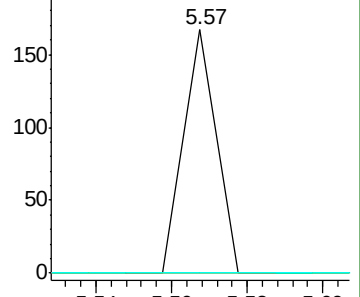
98 0.0 35.0 52.6#

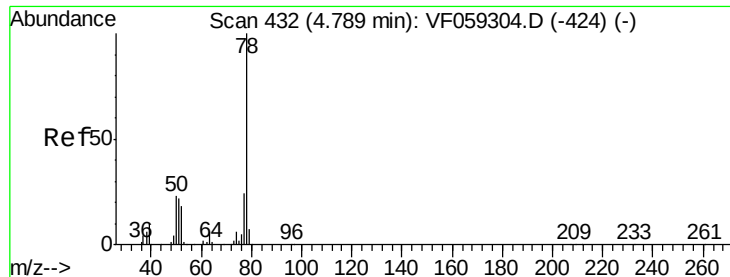


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 79.491 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.14 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

Instrument :

MSVOA_F

ClientSampled :

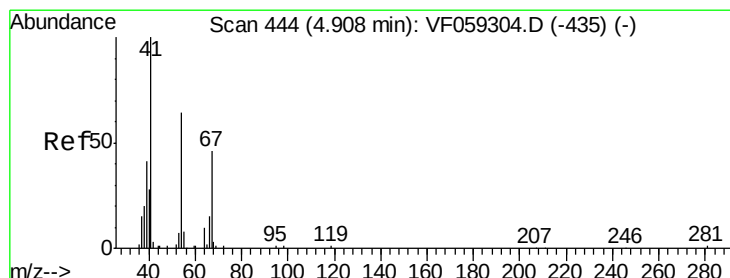
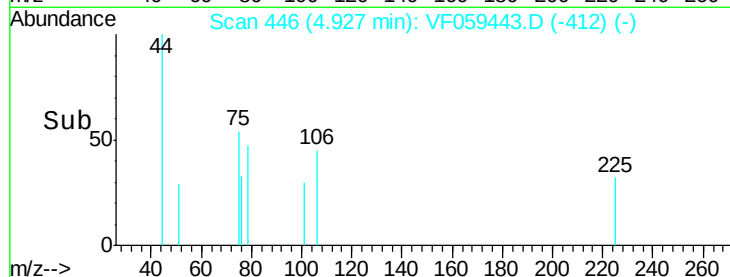
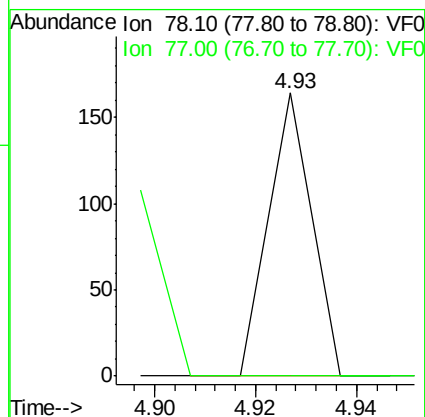
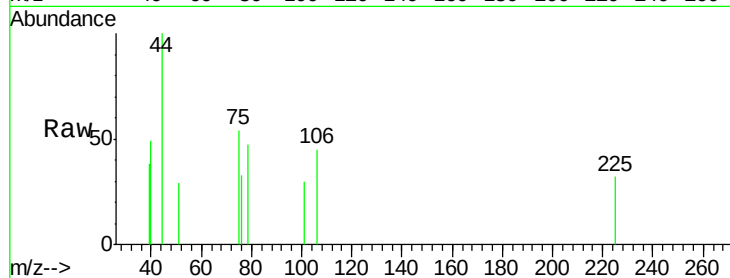
S5

Tot Ion: 78 Resp: 97

Ion Ratio Lower Upper

78 100

77 0.0 19.6 29.4#



#41

Methacrylonitrile

Concen: 612.570 ug/l

RT: 4.85 min Scan# 438

Delta R.T. -0.06 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

Tgt Ion: 41 Resp: 115

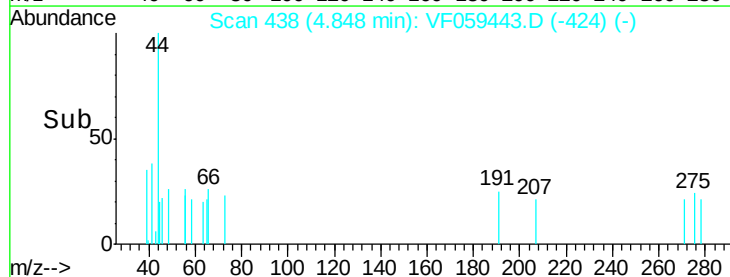
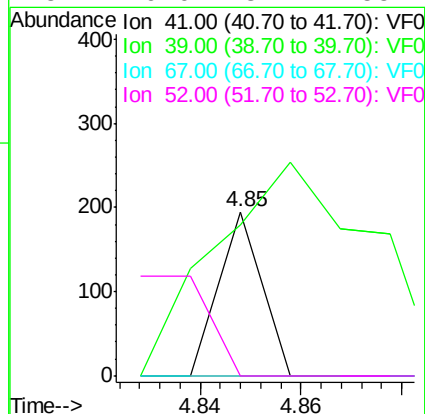
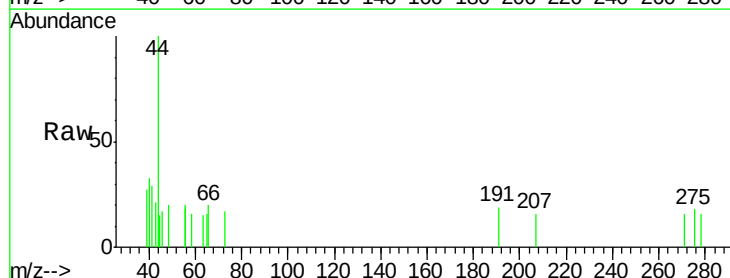
Ion Ratio Lower Upper

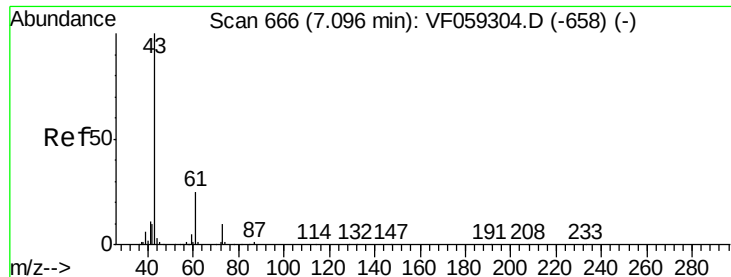
41 100

39 91.8 50.0 75.0#

67 0.0 37.0 55.6#

52 0.0 37.1 55.7#





#43

Isopropyl Acetate

Concen: 143.973 ug/l

RT: 7.07 min Scan# 663

Delta R.T. -0.03 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

Instrument :

MSVOA_F

ClientSampled :

S5

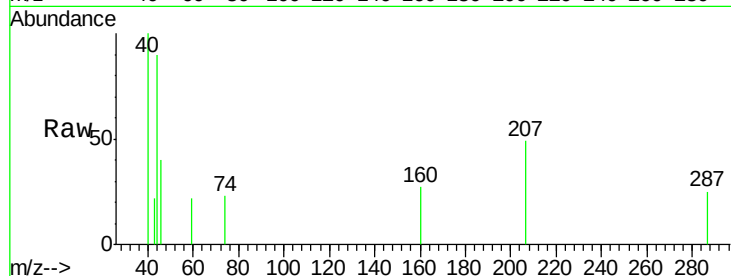
Tot Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

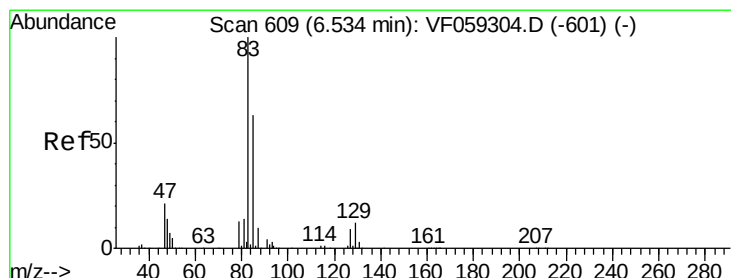
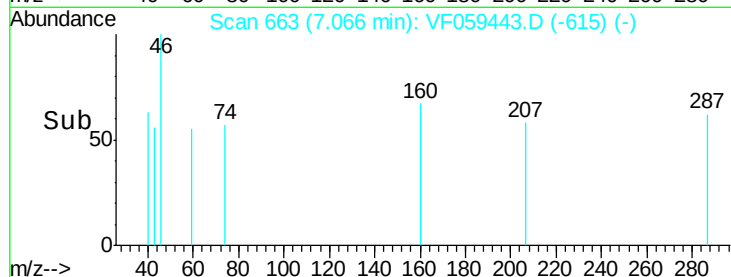
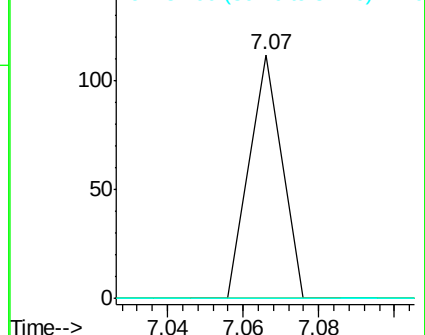
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#47

Bromodichloromethane

Concen: 95.564 ug/l

RT: 6.63 min Scan# 619

Delta R.T. 0.10 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

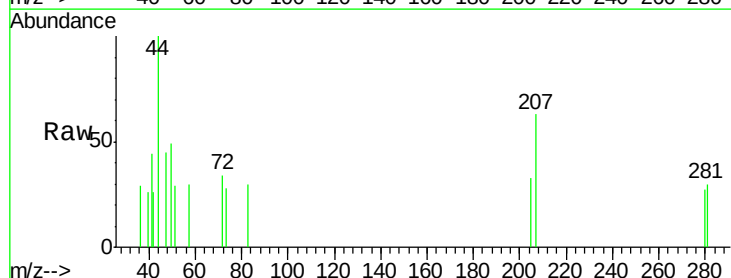
Tgt Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

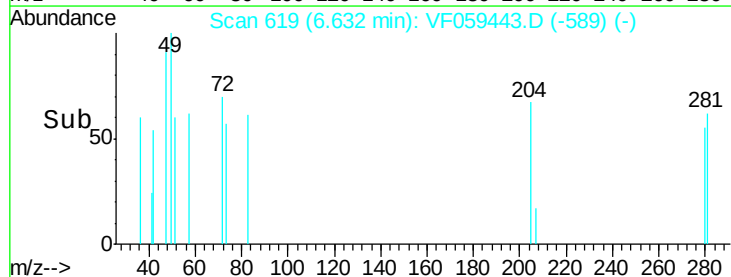
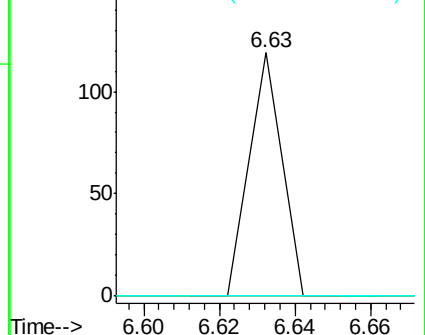
127 0.0 7.0 10.4#

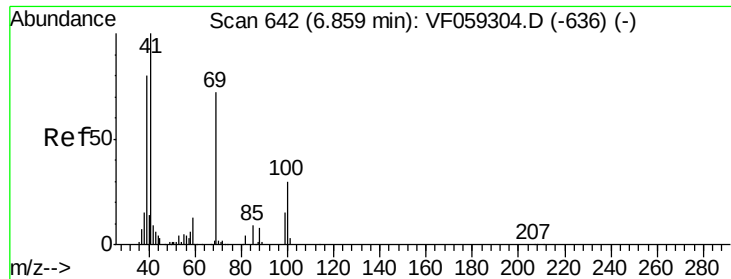


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

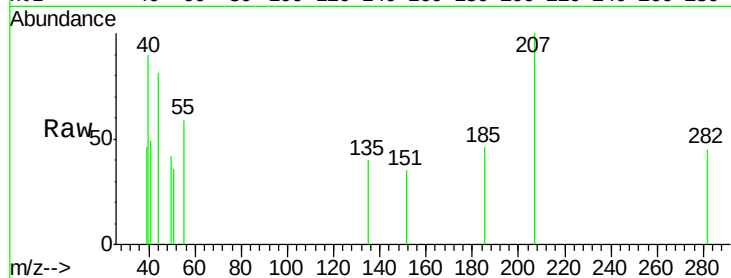




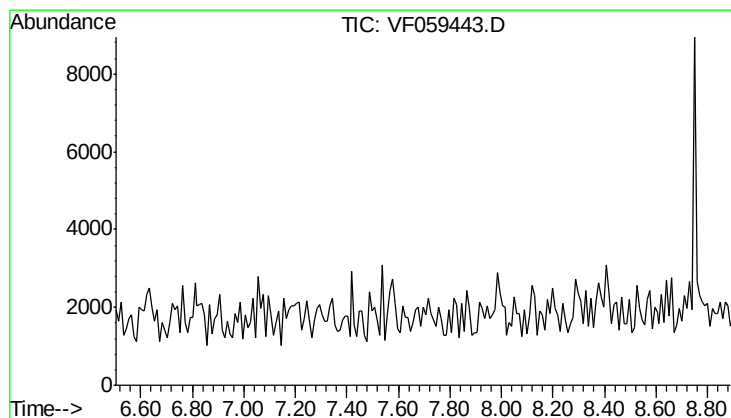
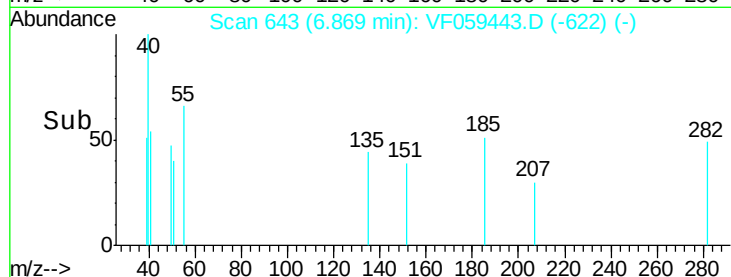
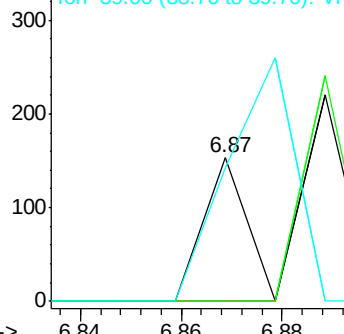
#48
Methyl methacrylate
Concen: 296.184 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Instrument :
MSVOA_F
ClientSampled :
S5

Tot Ion: 41 Resp: 91
Ion Ratio Lower Upper
41 100
69 0.0 57.3 85.9#
39 92.8 64.4 96.6

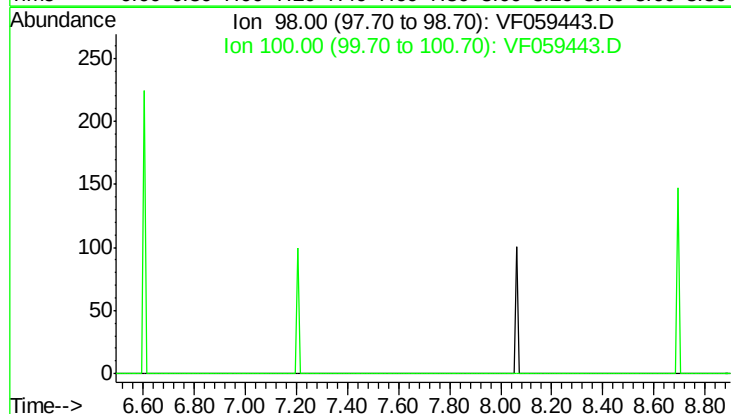


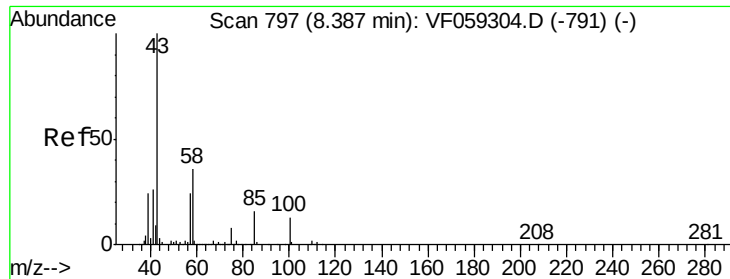
Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.70 min
Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Tgt Ion: 98
Sig Exp Ratio
98 100
100 68.3





#51

4-Methyl-2-Pentanone

Concen: 691.949 ug/l

RT: 8.35 min Scan# 793

Delta R.T. -0.04 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

Instrument :

MSVOA_F

ClientSampleId :

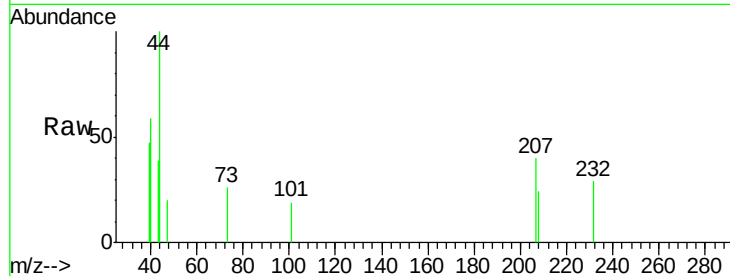
S5

Tot Ion: 43 Resp: 235

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.35

200

150

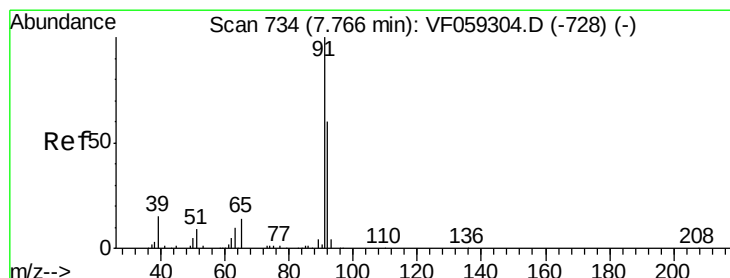
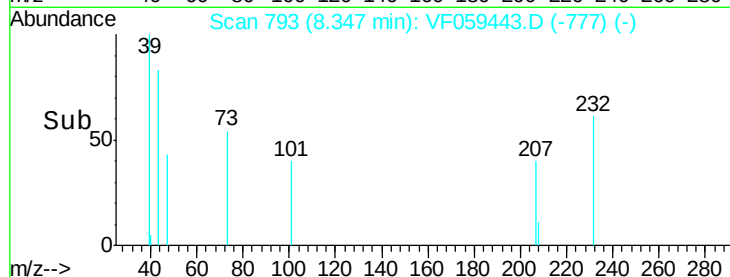
100

50

0

8.32 8.34 8.36 8.38

Time-->



#52

Toluene

Concen: 70.092 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.10 min

Lab File: VF059443.D

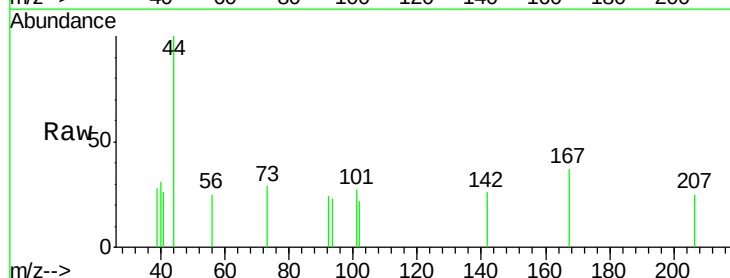
Acq: 5 Jul 2018 19:27

Tgt Ion: 92 Resp: 64

Ion Ratio Lower Upper

92 100

91 0.0 132.8 199.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.67

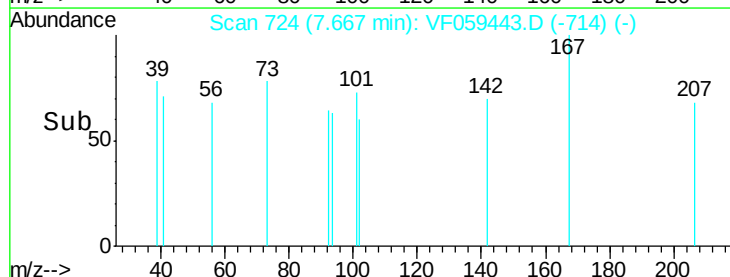
100

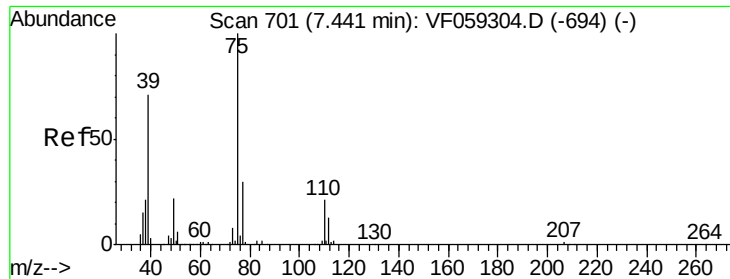
50

0

7.64 7.66 7.68 7.70

Time-->





#54

cis-1,3-Dichloropropene

Concen: 96.519 ug/l

RT: 7.30 min Scan# 687

Delta R.T. -0.14 min

Lab File: VF059443.D

Acq: 5 Jul 2018 19:27

Instrument :

MSVOA_F

ClientSampled :

S5

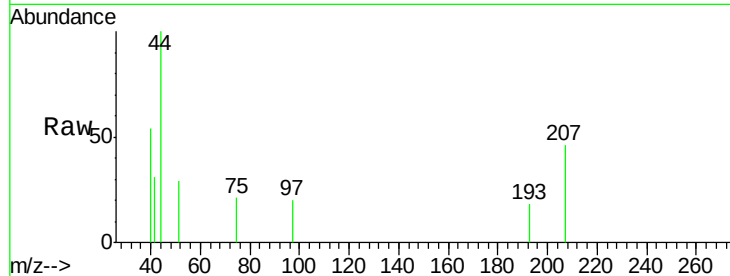
Tot Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#

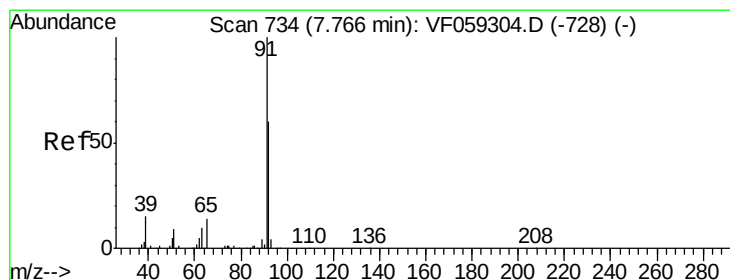
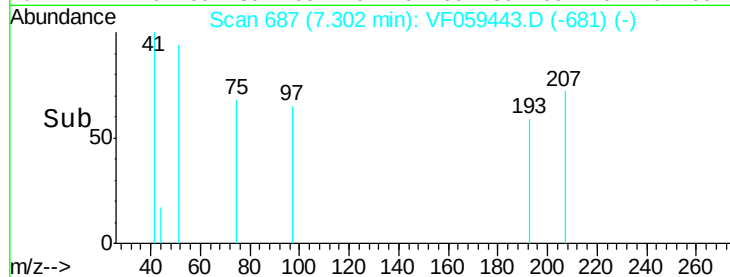
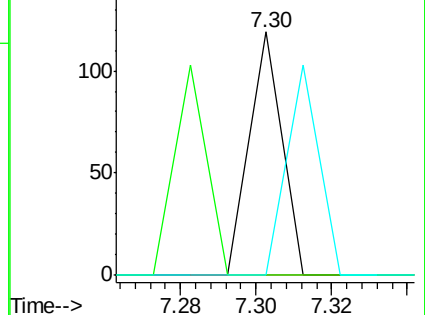
39 0.0 57.2 85.8#



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



#58

2-Chloroethyl Vinyl ether

Concen: 1851.995 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.07 min

Lab File: VF059443.D

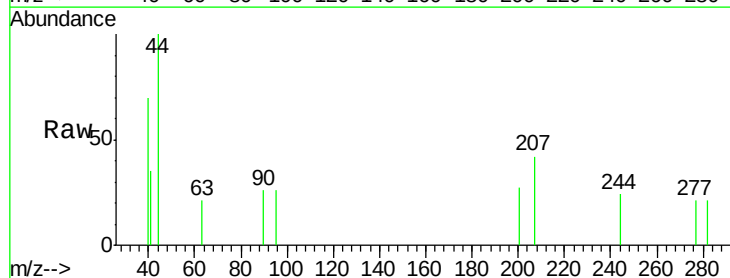
Acq: 5 Jul 2018 19:27

Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

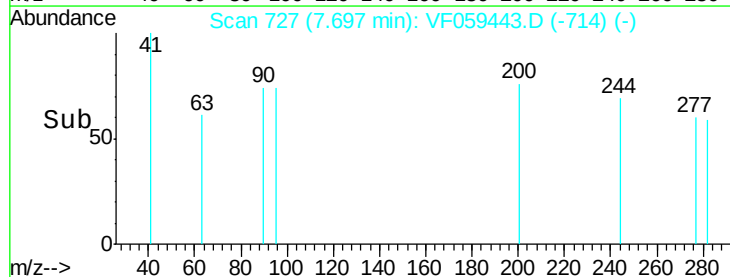
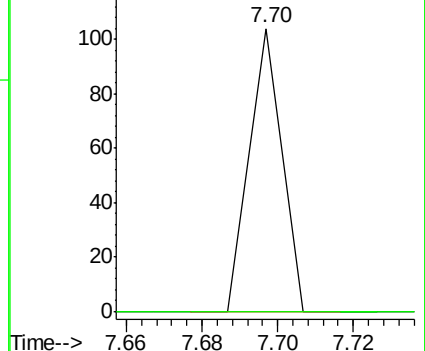
63 100

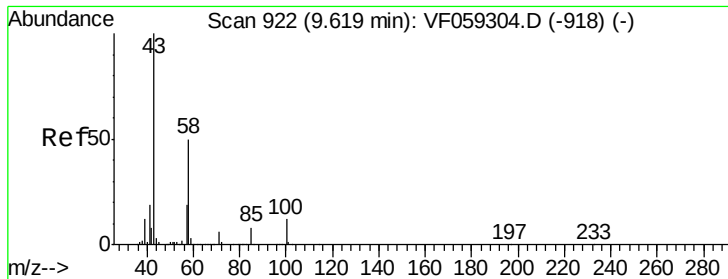
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

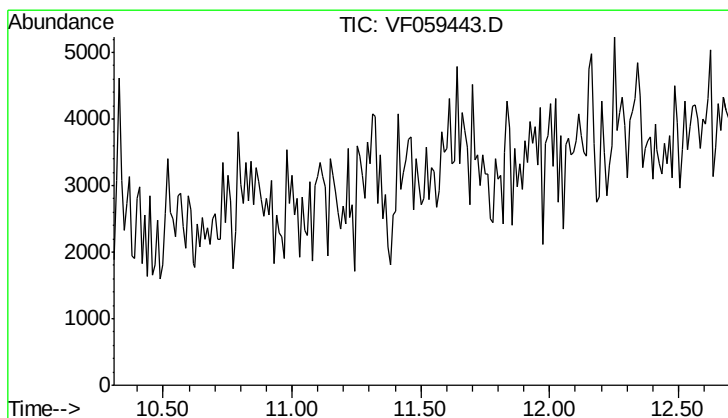
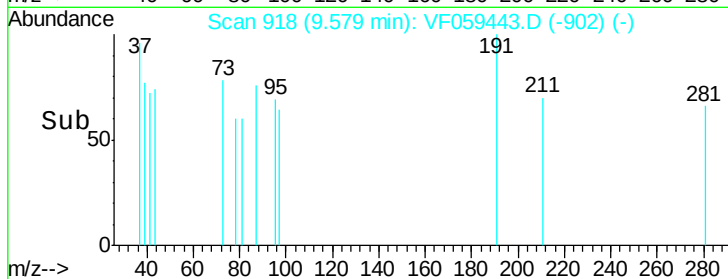
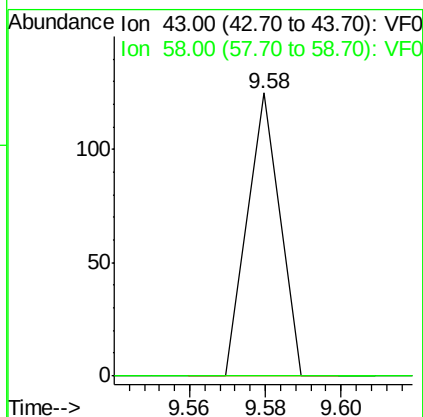
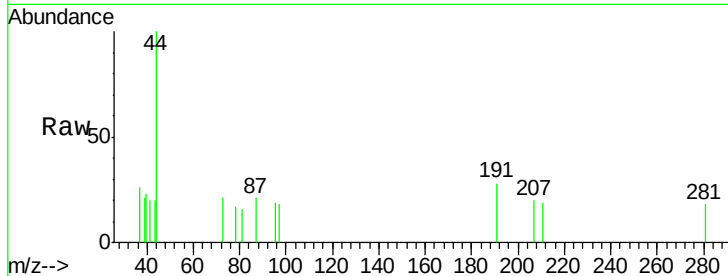




#59
2-Hexanone
Concen: 292.935 ug/l
RT: 9.58 min Scan# 918
Delta R.T. -0.04 min
Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Instrument :
MSVOA_F
ClientSampled :
S5

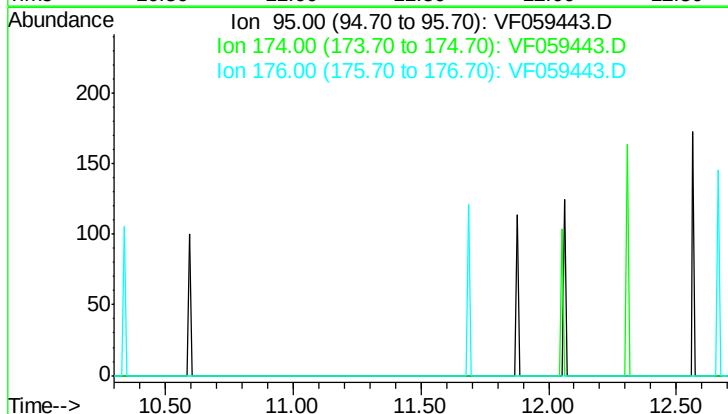
Tot Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#

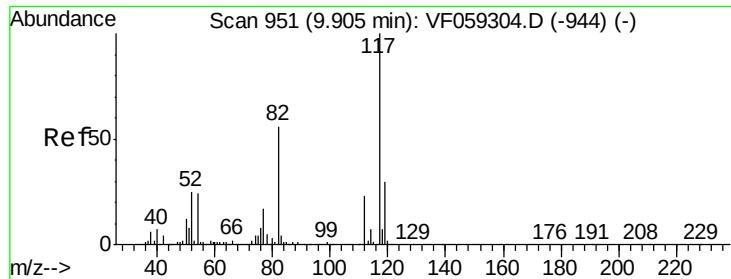


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.50 min

Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Tgt Ion: 95
Sig Exp Ratio
95 100
174 82.6
176 80.5

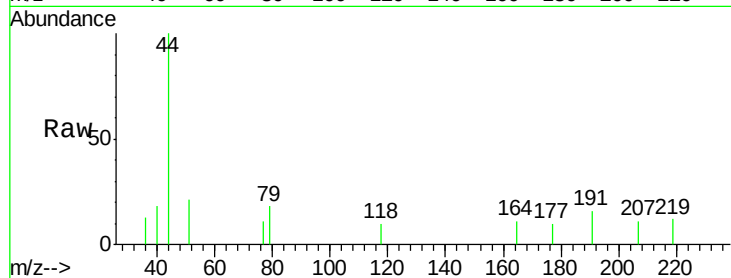




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.03 min
Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Instrument :
MSVOA_F
ClientSampled :
S5

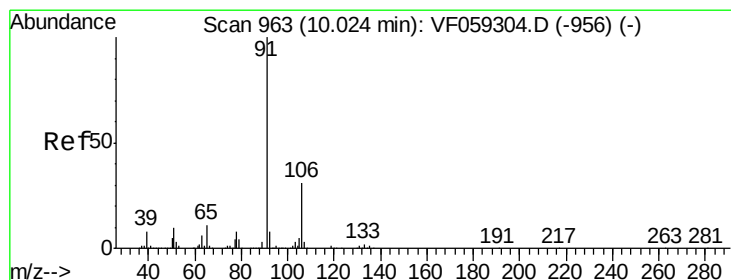
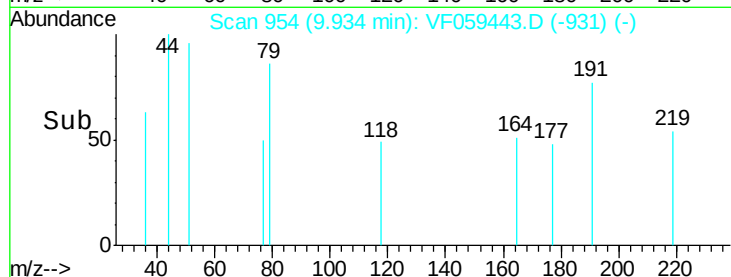
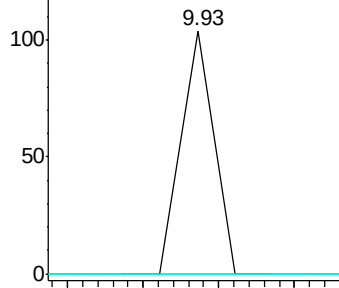
Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	44.6	66.8#
119	0.0	24.1	36.1#



Abundance Ion 117.00 (116.70 to 117.70): V

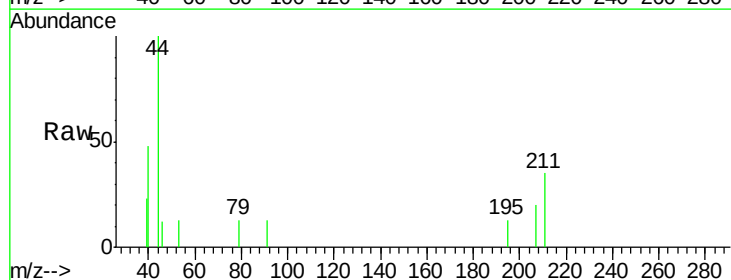
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



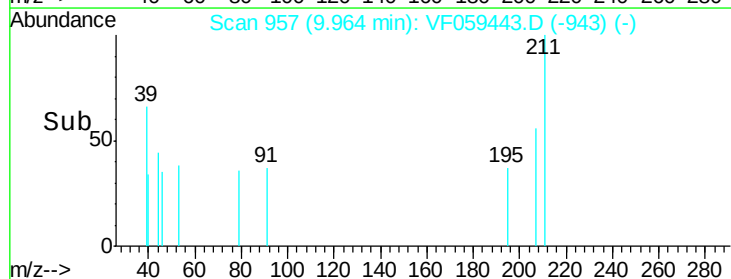
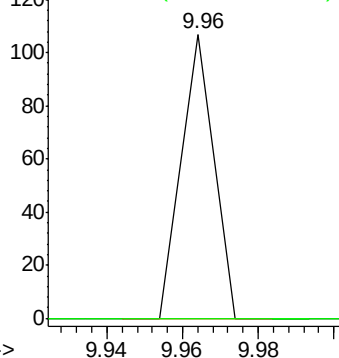
#67
Ethyl Benzene
Concen: 32.325 ug/l
RT: 9.96 min Scan# 957
Delta R.T. -0.06 min
Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

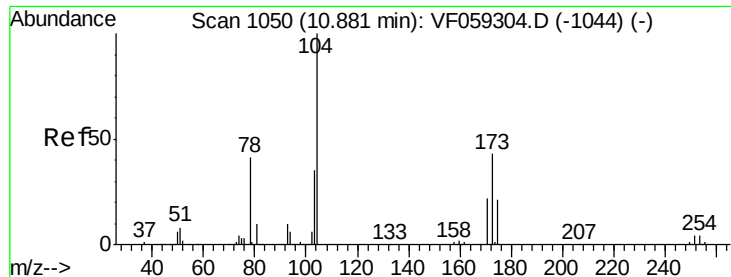
Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.8	37.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

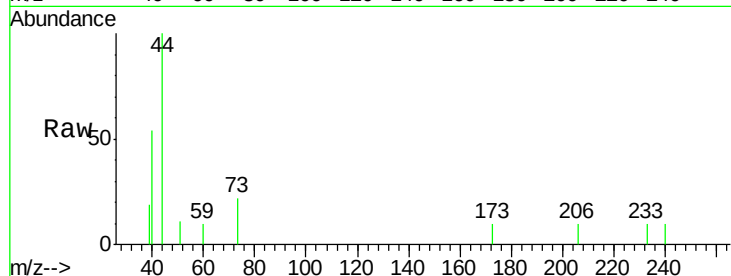




#71
Bromoform
Concen: 182.044 ug/l
RT: 10.99 min Scan# 1061
Delta R.T. 0.11 min
Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

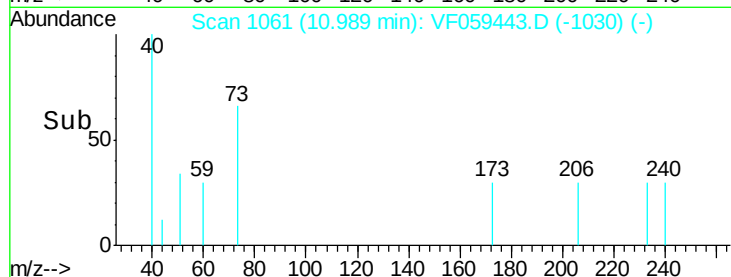
Instrument :
MSVOA_F
ClientSampled :
S5

Tot Ion:173 Resp: 62
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.3#
254 0.0 0.0 0.0

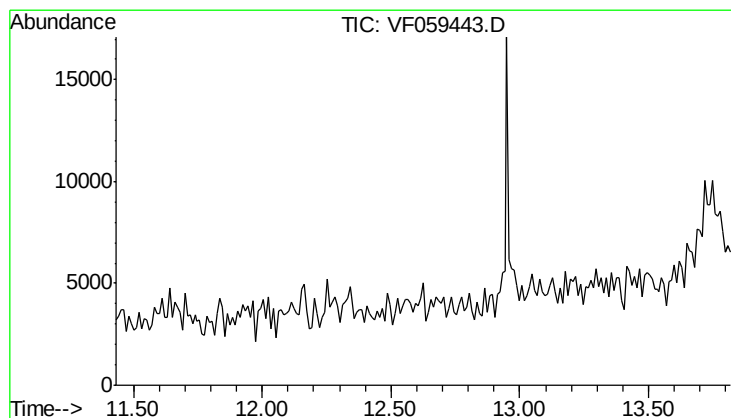


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

10.99



Time-->



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.63 min

Lab File: VF059443.D
Acq: 5 Jul 2018 19:27

Tgt Ion: 152
Sig Exp Ratio
152 100
115 54.2
150 152.6

