

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070518\
 Data File : VF059446.D
 Acq On : 5 Jul 2018 20:50
 Operator : VA/AP
 Sample : J3855-02
 Misc : 6.24g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-9(7.5-8)

Quant Time: Jul 06 02:07:03 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	4.88	168	130	50.00	ug/l	-0.15
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.76
63) Chlorobenzene-d5	10.02	117	64	50.00	ug/l	0.12
72) 1,4-Dichlorobenzene-d4	12.62	152	73	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
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						Qvalue
2) Dichlorodifluoromethane	0.82	85	67	56.410	ug/l #	40
3) Chloromethane	1.09	50	147	184.226	ug/l #	41
5) Bromomethane	1.35	94	80	167.921	ug/l #	4
6) Chloroethane	1.22	64	97	245.201	ug/l #	45
7) Trichlorofluoromethane	1.56	101	70	45.069	ug/l #	16
8) Diethyl Ether	1.64	74	68	170.753	ug/l #	1
10) Methyl Iodide	1.93	142	107	64.722	ug/l #	26
11) Tert butyl alcohol	2.63	59	66	590.256	ug/l #	66
13) Acrolein	1.94	56	80	1605.284	ug/l #	10
14) Allyl chloride	2.12	41	65	45.179	ug/l #	1
15) Acrylonitrile	2.99	53	69	350.421	ug/l #	9
16) Acetone	2.34	43	155	374.597	ug/l #	65
17) Carbon Disulfide	1.77	76	61	33.835	ug/l #	71
18) Methyl Acetate	2.38	43	60	79.842	ug/l #	61
19) Methyl tert-butyl Ether	2.48	73	67	23.437	ug/l #	63
20) Methylene Chloride	2.29	84	63	69.813	ug/l #	1
21) trans-1,2-Dichloroethene	2.27	96	64	78.280	ug/l #	1
23) Vinyl Acetate	3.22	43	75	36.964	ug/l #	1
24) 1,1-Dichloroethane	2.85	63	70	35.437	ug/l #	90
25) 2-Butanone	4.36	43	100	196.225	ug/l #	59
26) 2,2-Dichloropropane	3.62	77	69	50.645	ug/l #	62
27) cis-1,2-Dichloroethene	3.64	96	60	48.336	ug/l #	1
28) Bromochloromethane	3.76	49	62	84.676	ug/l #	6
29) Tetrahydrofuran	4.09	42	64	297.957	ug/l #	36
30) Chloroform	3.99	83	62	21.681	ug/l #	18
31) Cyclohexane	3.75	56	124	95.826	ug/l #	13
32) 1,1,1-Trichloroethane	4.15	97	61	29.150	ug/l #	21
67) Ethyl Benzene	9.92	91	92	45.729	ug/l #	44
73) Isopropylbenzene	11.23	105	64	15.049	ug/l #	51
74) N-amyl acetate	11.43	43	180	116.634	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.64	83	59	54.932	ug/l #	24
80) 1,3,5-Trimethylbenzene	11.76	105	80	21.475	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.09	75	99	205.303	ug/l #	14
82) 4-Chlorotoluene	12.00	91	85	25.432	ug/l #	38

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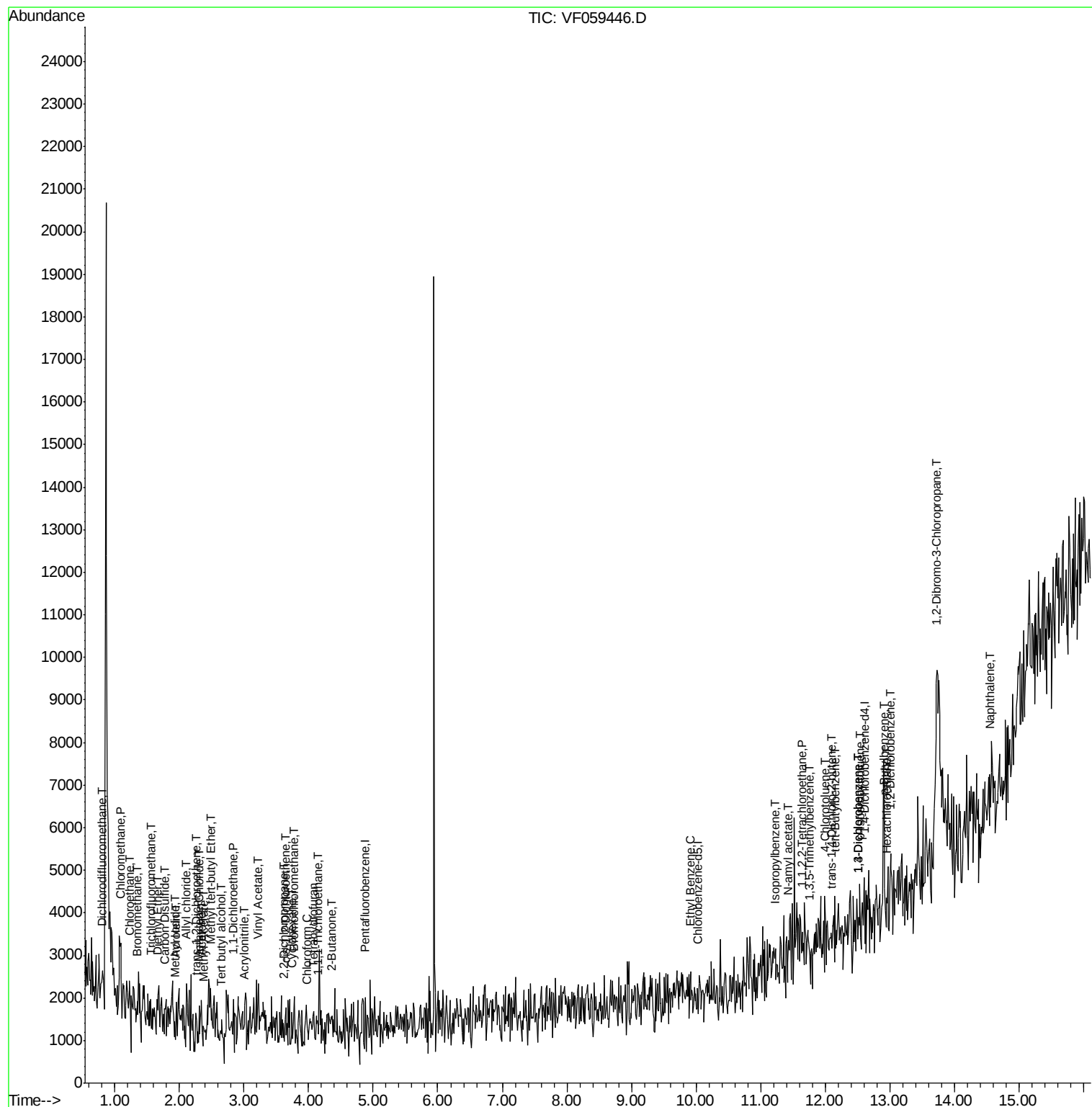
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.16	119	69	18.519	ug/l #	31
86) p-Isopropyltoluene	12.55	119	83	20.026	ug/l #	50
87) 1,3-Dichlorobenzene	12.51	146	72	35.639	ug/l #	23
88) 1,4-Dichlorobenzene	12.51	146	72	34.169	ug/l #	24
89) n-Butylbenzene	12.92	91	64	15.211	ug/l #	29
90) Hexachloroethane	12.95	117	129	124.878	ug/l #	10
91) 1,2-Dichlorobenzene	13.02	146	87	40.616	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.74	75	73	306.601	ug/l #	1
95) Naphthalene	14.54	128	74	22.331	ug/l #	69

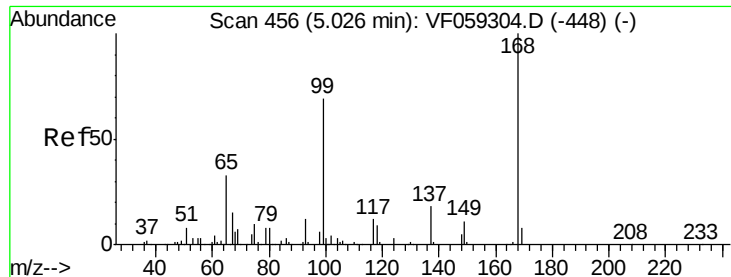
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.15 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

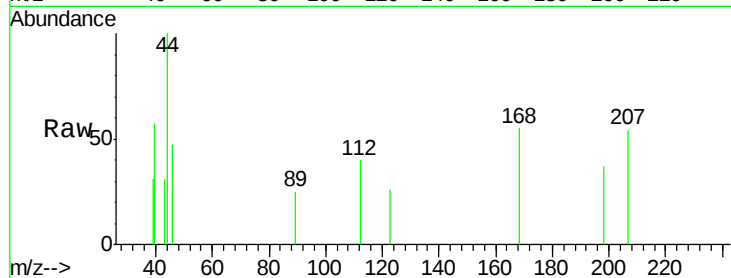
S-9(7.5-8)

Tot Ion:168 Resp: 130

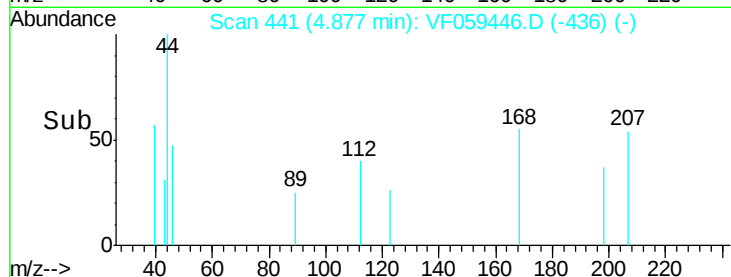
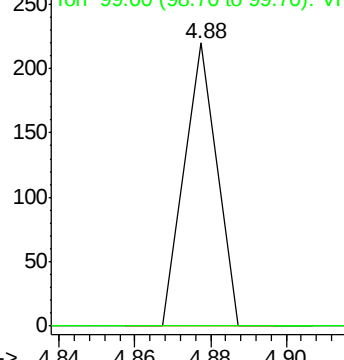
Ion Ratio Lower Upper

168 100

99 0.0 54.9 82.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 56.410 ug/l

RT: 0.82 min Scan# 29

Delta R.T. -0.16 min

Lab File: VF059446.D

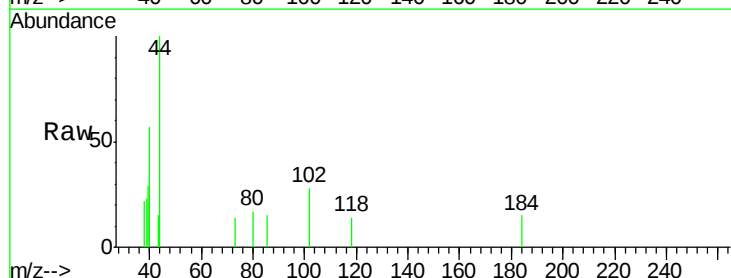
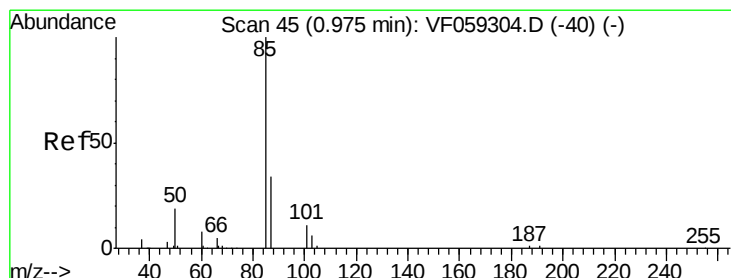
Acq: 5 Jul 2018 20:50

Tgt Ion: 85 Resp: 67

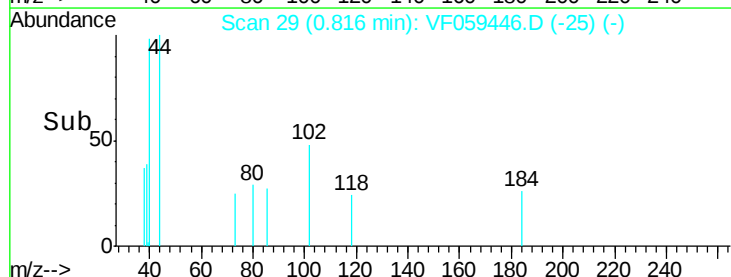
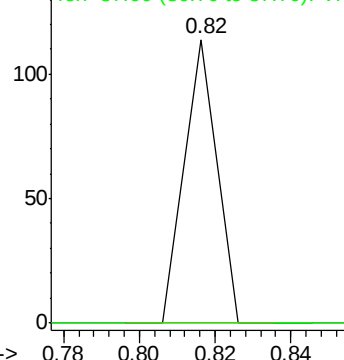
Ion Ratio Lower Upper

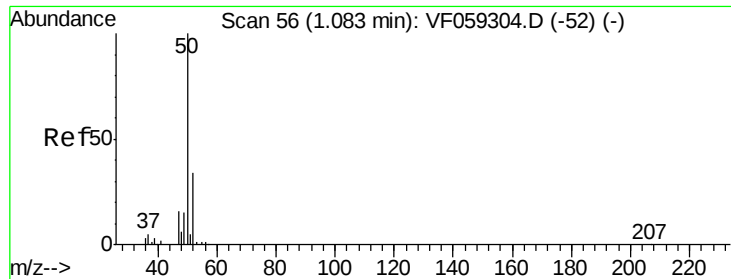
85 100

87 0.0 17.1 51.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 184.226 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

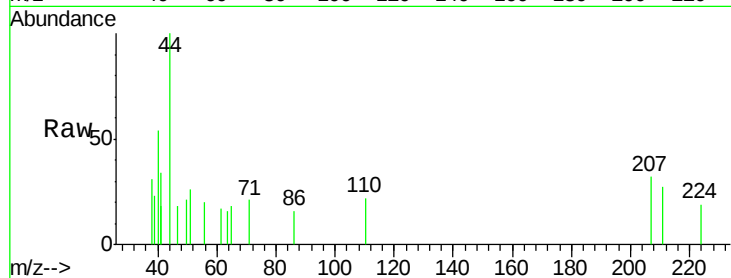
S-9(7.5-8)

Tot Ion: 50 Resp: 147

Ion Ratio Lower Upper

50 100

52 0.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

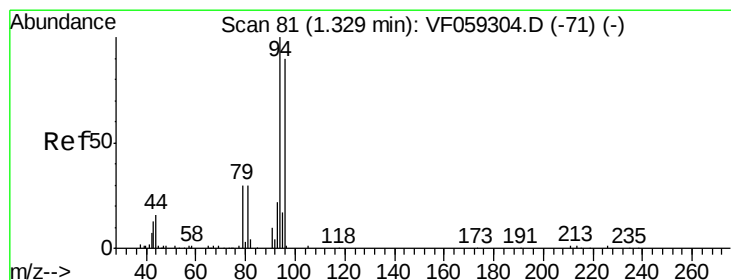
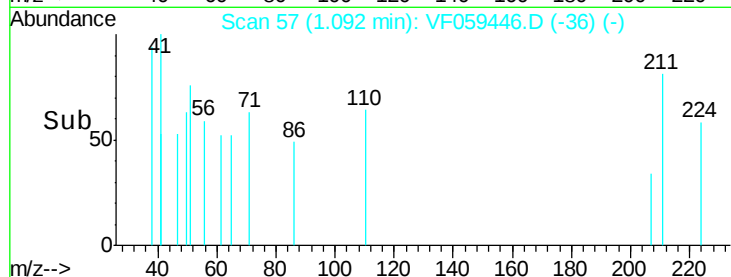
1.09

100

50

0

Time-->



#5

Bromomethane

Concen: 167.921 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.02 min

Lab File: VF059446.D

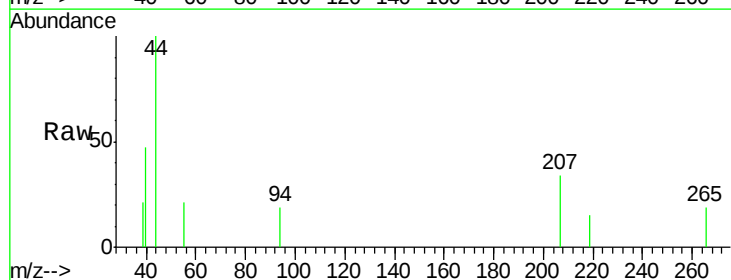
Acq: 5 Jul 2018 20:50

Tgt Ion: 94 Resp: 80

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

250

200

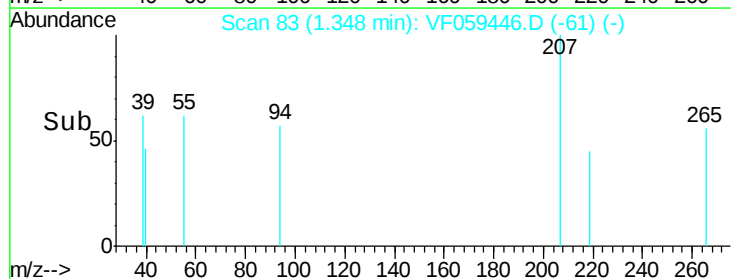
150

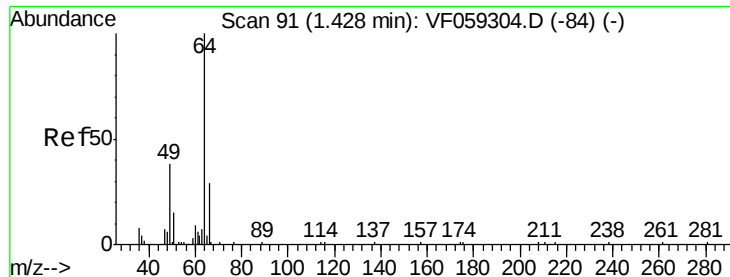
100

50

0

Time-->





#6

Chloroethane

Concen: 245.201 ug/l

RT: 1.22 min Scan# 70

Delta R.T. -0.21 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

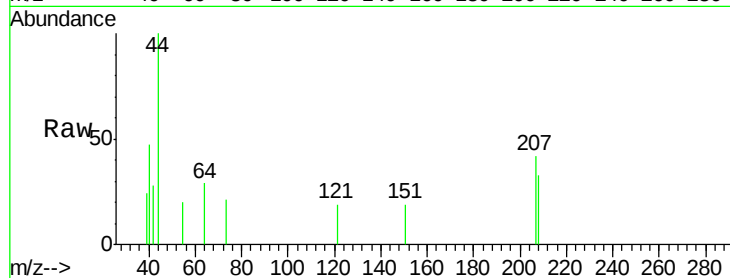
S-9(7.5-8)

Tot Ion: 64 Resp: 97

Ion Ratio Lower Upper

64 100

66 0.0 23.9 35.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.22

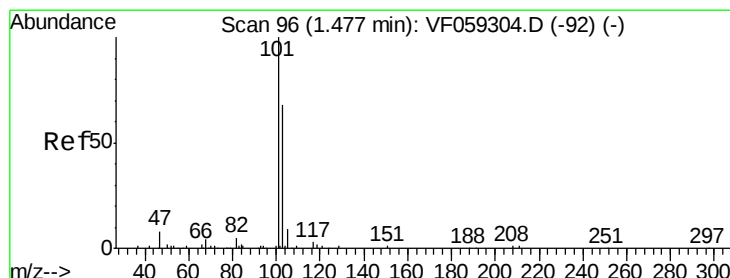
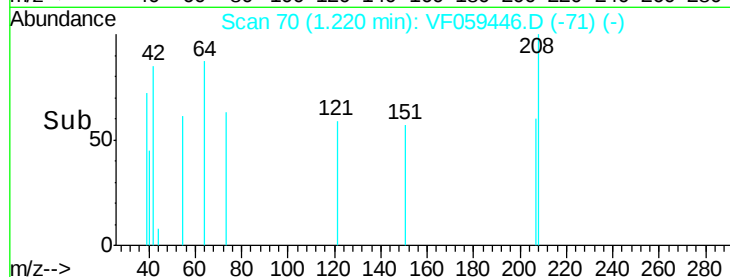
150

100

50

0

Time-->



#7

Trichlorofluoromethane

Concen: 45.069 ug/l

RT: 1.56 min Scan# 104

Delta R.T. 0.08 min

Lab File: VF059446.D

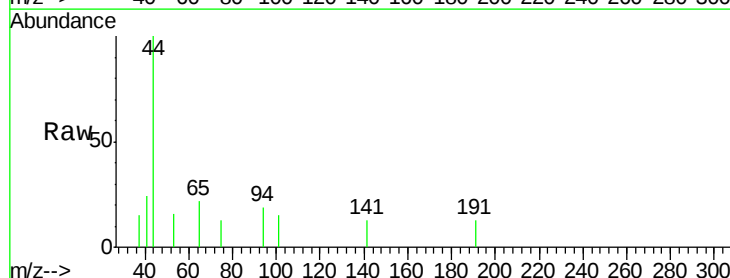
Acq: 5 Jul 2018 20:50

Tgt Ion: 101 Resp: 70

Ion Ratio Lower Upper

101 100

103 0.0 54.2 81.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.56

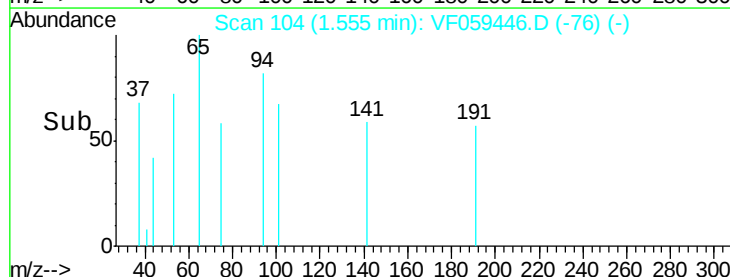
150

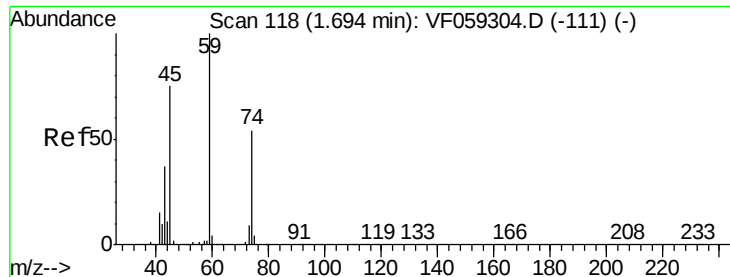
100

50

0

Time-->





#8

Diethyl Ether

Concen: 170.753 ug/l

RT: 1.64 min Scan# 113

Delta R.T. -0.05 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampled :

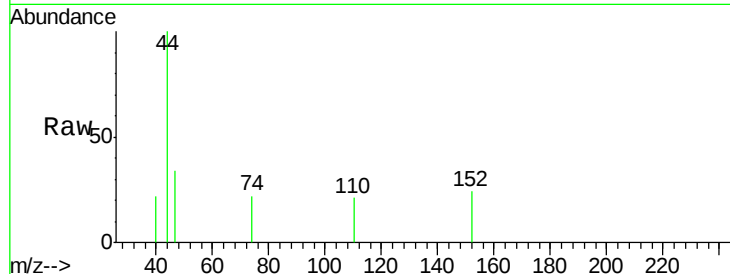
S-9(7.5-8)

Tot Ion: 74 Resp: 68

Ion Ratio Lower Upper

74 100

45 0.0 70.0 210.0#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

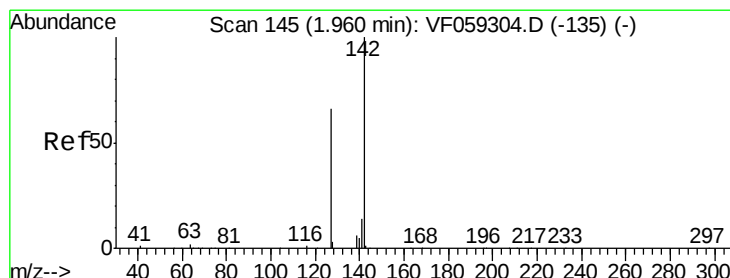
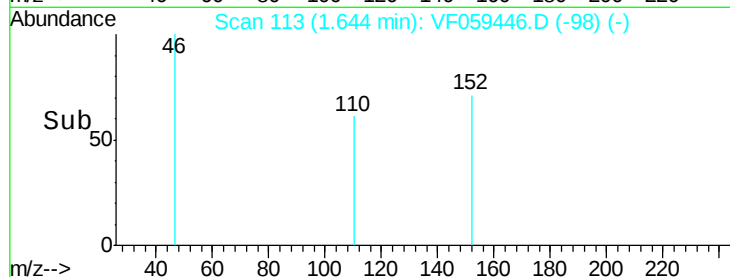
1.64

100

50

0

Time--> 1.62 1.64 1.66



#10

Methyl Iodide

Concen: 64.722 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.03 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

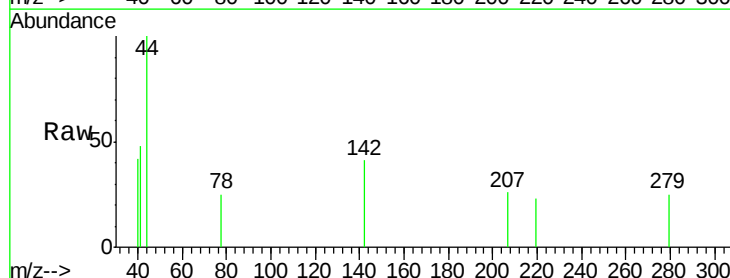
Tgt Ion: 142 Resp: 107

Ion Ratio Lower Upper

142 100

127 0.0 52.5 78.7#

141 0.0 11.5 17.3#



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

1.93

250

200

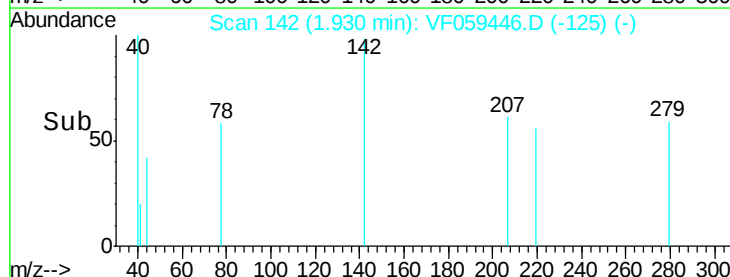
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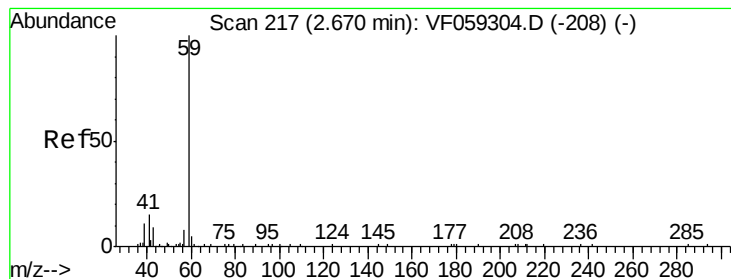
100

50

0

Time--> 1.90 1.92 1.94 1.96





#11

Tert butyl alcohol

Concen: 590.256 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.04 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

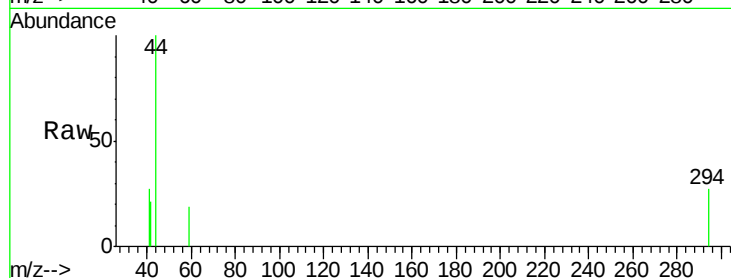
S-9(7.5-8)

Tot Ion: 59 Resp: 66

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.63

120

100

80

60

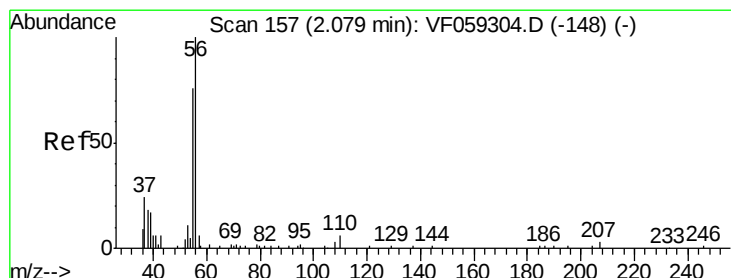
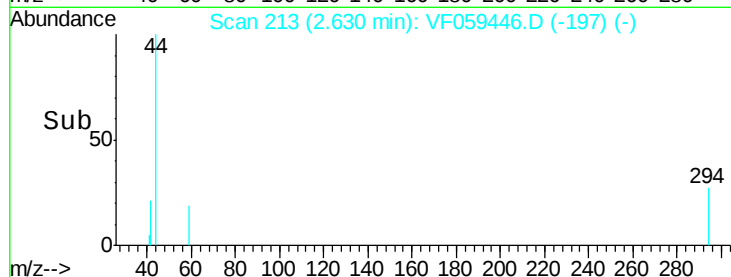
40

20

0

Time-->

2.60 2.62 2.64 2.66



#13

Acrolein

Concen: 1605.284 ug/l

RT: 1.94 min Scan# 143

Delta R.T. -0.14 min

Lab File: VF059446.D

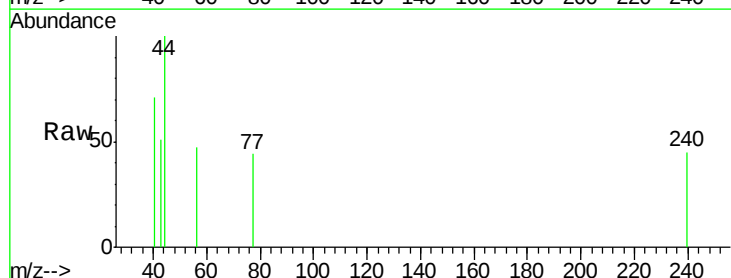
Acq: 5 Jul 2018 20:50

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 0.0 62.4 93.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.94

150

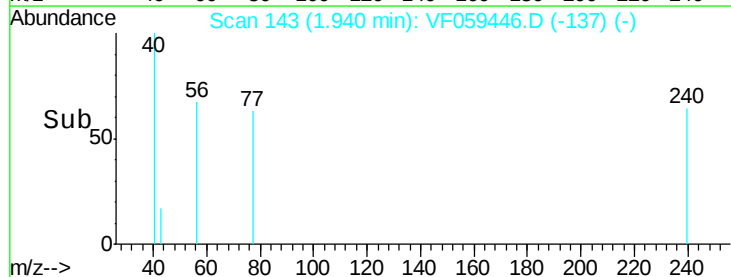
100

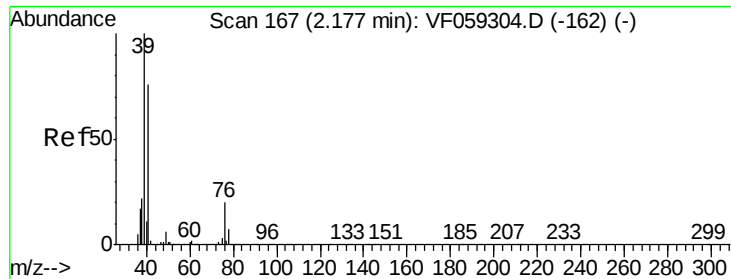
50

0

Time-->

1.92 1.94 1.96

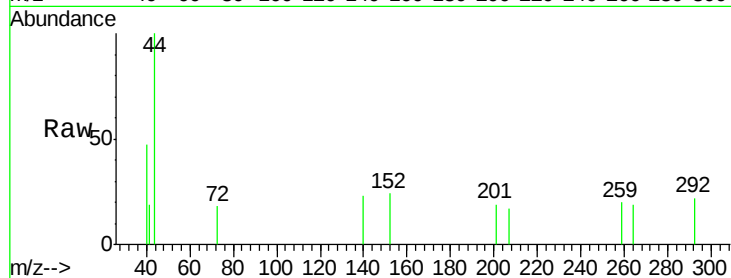




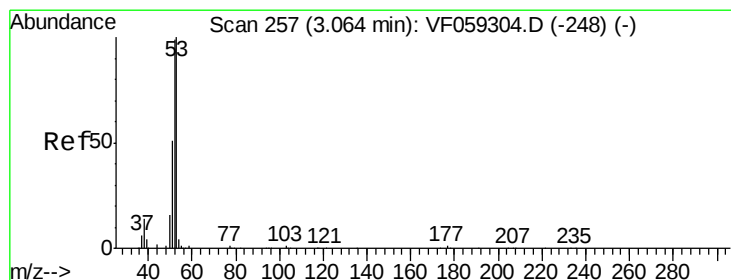
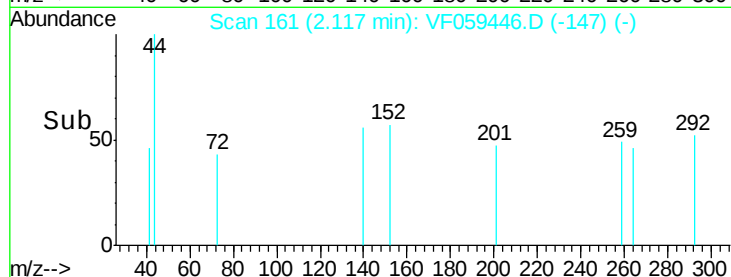
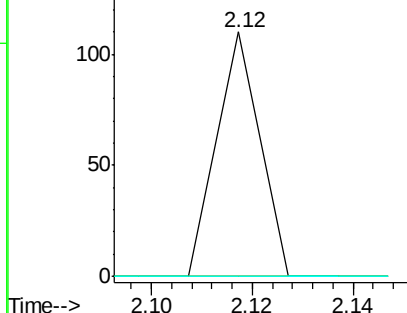
#14
Allvl chloride
Concen: 45.179 ug/l
RT: 2.12 min Scan# 161
Delta R.T. -0.06 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

Instrument :
MSVOA_F
ClientSampled :
S-9(7.5-8)

Tot Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
39 0.0 105.6 158.4#
76 0.0 21.6 32.4#

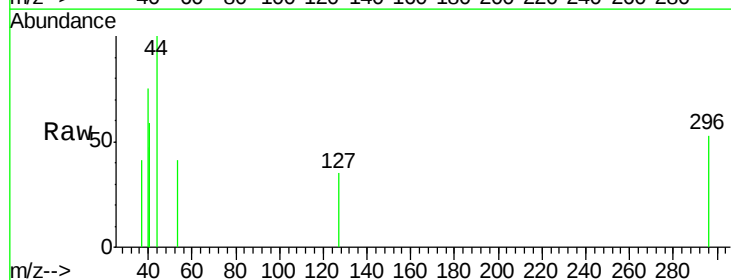


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 76.00 (75.70 to 76.70): VF0

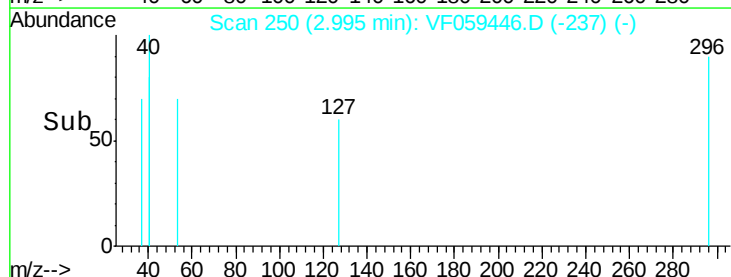
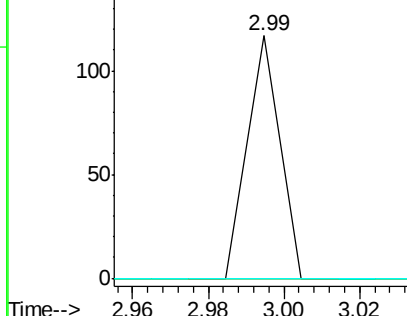


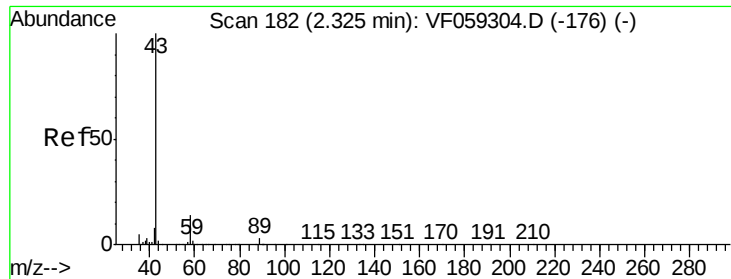
#15
Acrylonitrile
Concen: 350.421 ug/l
RT: 2.99 min Scan# 250
Delta R.T. -0.07 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

Tgt Ion: 53 Resp: 69
Ion Ratio Lower Upper
53 100
52 0.0 79.2 118.8#
51 0.0 40.9 61.3#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 374.597 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

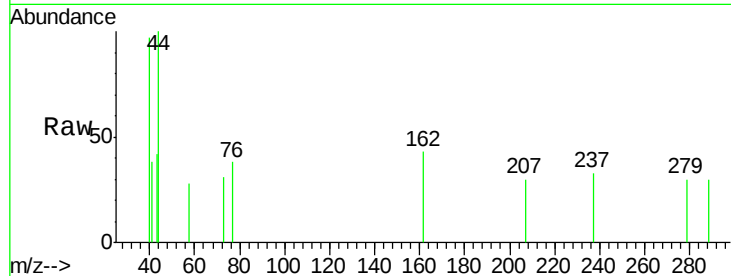
S-9(7.5-8)

Tot Ion: 43 Resp: 155

Ion Ratio Lower Upper

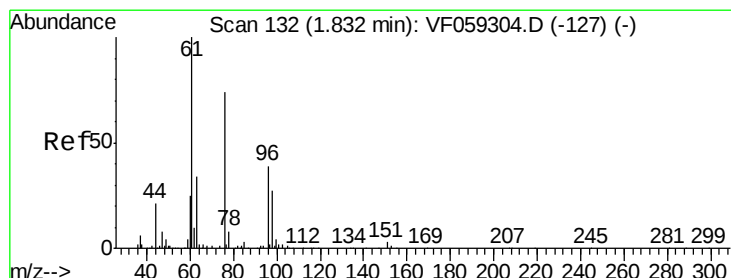
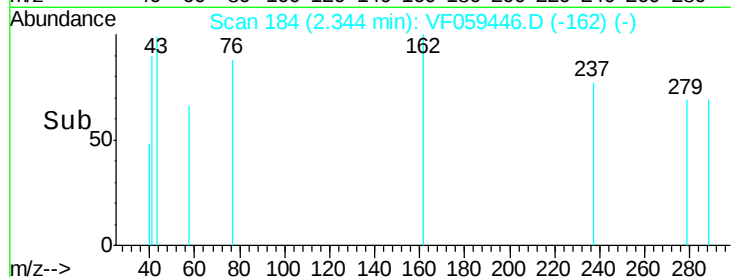
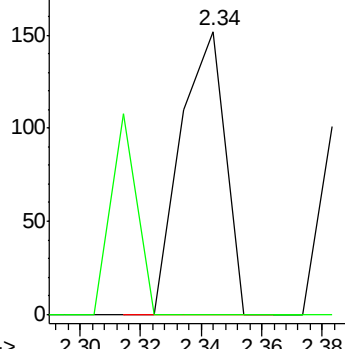
43 100

58 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 33.835 ug/l

RT: 1.77 min Scan# 126

Delta R.T. -0.06 min

Lab File: VF059446.D

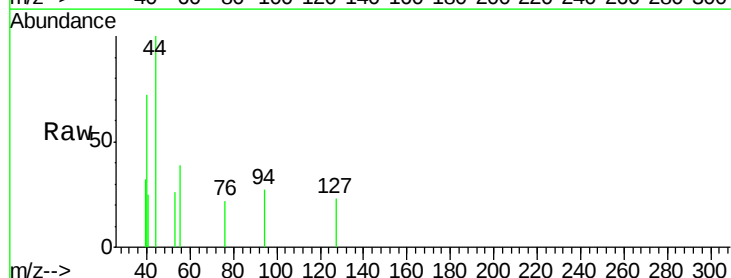
Acq: 5 Jul 2018 20:50

Tgt Ion: 76 Resp: 61

Ion Ratio Lower Upper

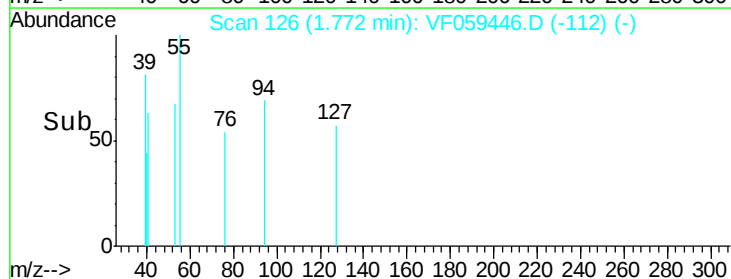
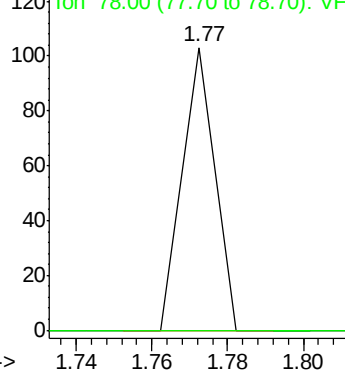
76 100

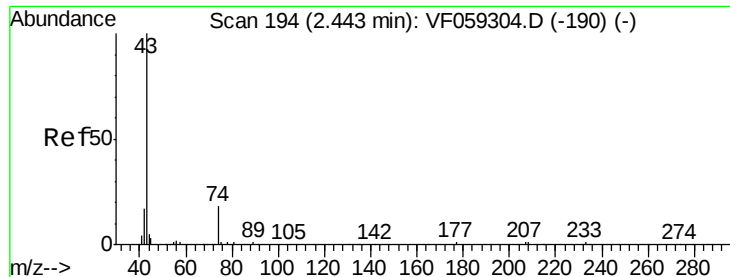
78 0.0 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0





#18

Methyl Acetate

Concen: 79.842 ug/l

RT: 2.38 min Scan# 188

Delta R.T. -0.06 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

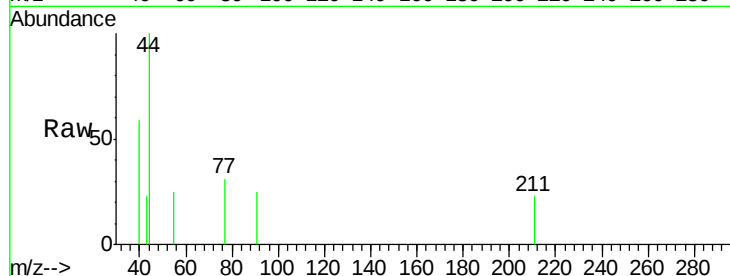
S-9(7.5-8)

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.38

100

80

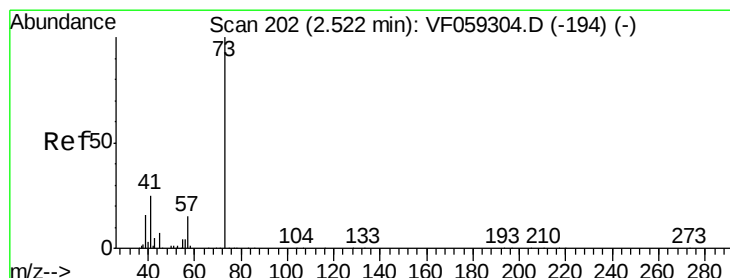
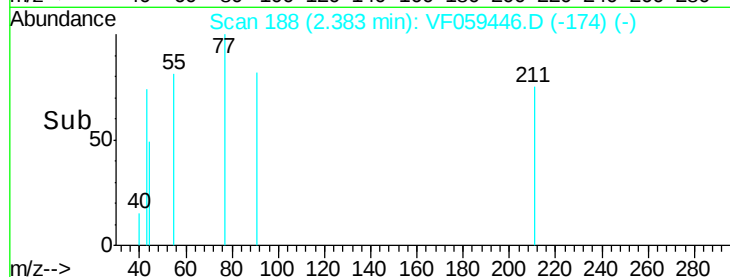
60

40

20

0

Time--> 2.36 2.38 2.40



#19

Methyl tert-butyl Ether

Concen: 23.437 ug/l

RT: 2.48 min Scan# 198

Delta R.T. -0.04 min

Lab File: VF059446.D

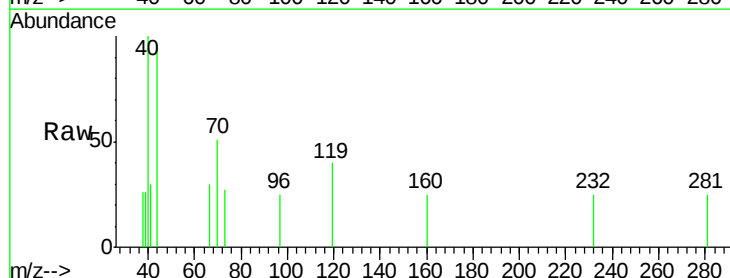
Acq: 5 Jul 2018 20:50

Tgt Ion: 73 Resp: 67

Ion Ratio Lower Upper

73 100

57 0.0 12.3 18.5#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

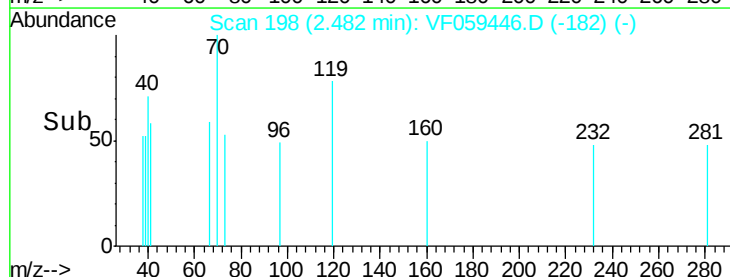
2.48

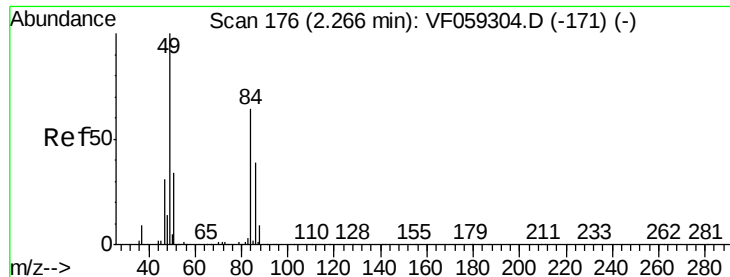
100

50

0

Time--> 2.46 2.48 2.50

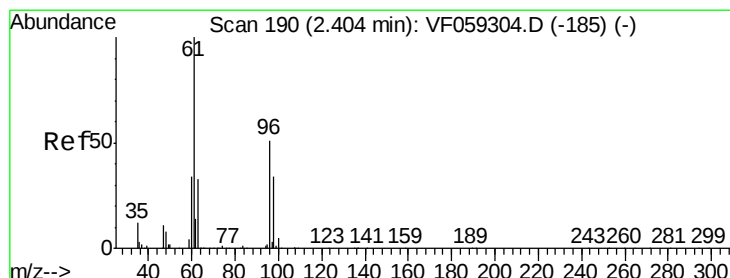
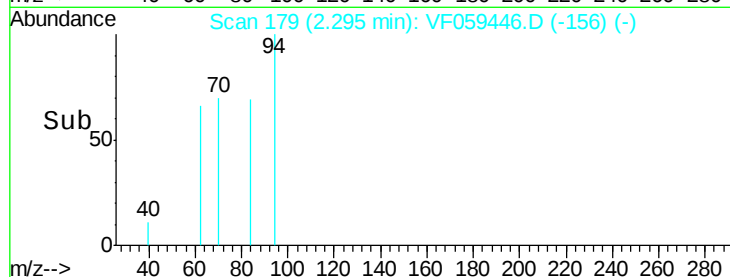
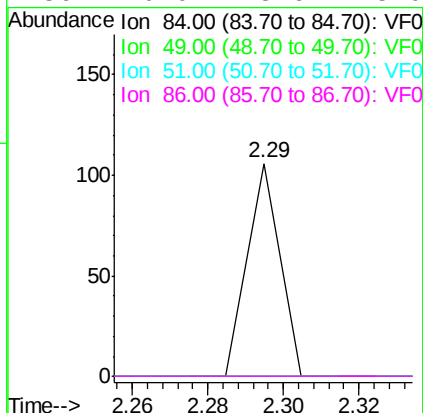
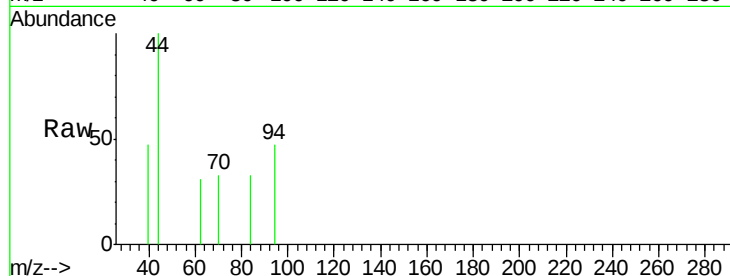




#20
Methvlene Chloride
Concen: 69.813 ug/l
RT: 2.29 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

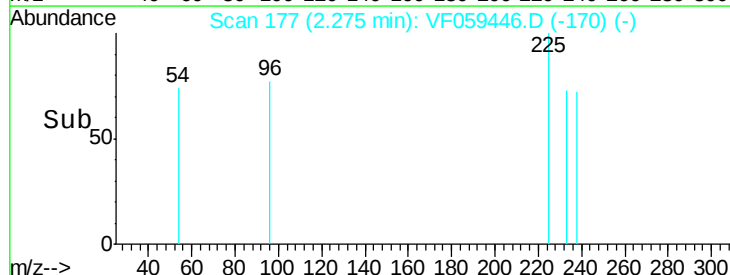
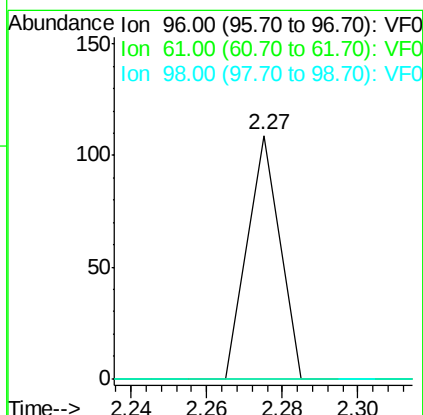
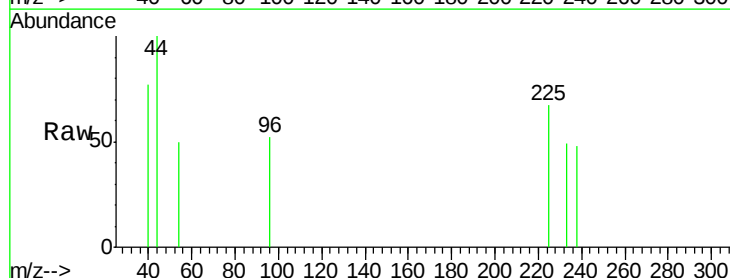
Instrument :
MSVOA_F
ClientSampleId :
S-9(7.5-8)

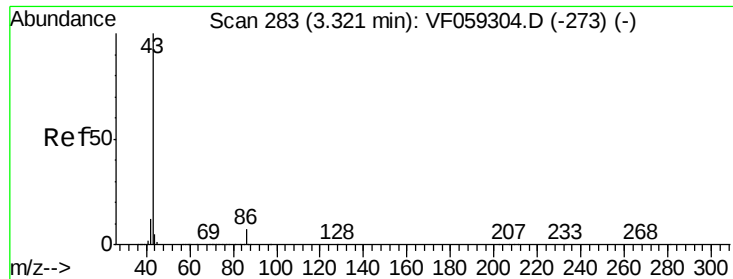
Tot Ion:	84	Resp:	63
Ion	Ratio	Lower	Upper
84	100		
49	0.0	126.5	189.7#
51	0.0	42.9	64.3#
86	0.0	48.6	73.0#



#21
trans-1,2-Dichloroethene
Concen: 78.280 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.13 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

Tgt Ion:	96	Resp:	64
Ion	Ratio	Lower	Upper
96	100		
61	0.0	157.4	236.2#
98	0.0	53.7	80.5#





#23

Vinyl Acetate

Concen: 36.964 ug/l

RT: 3.22 min Scan# 273

Delta R.T. -0.10 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

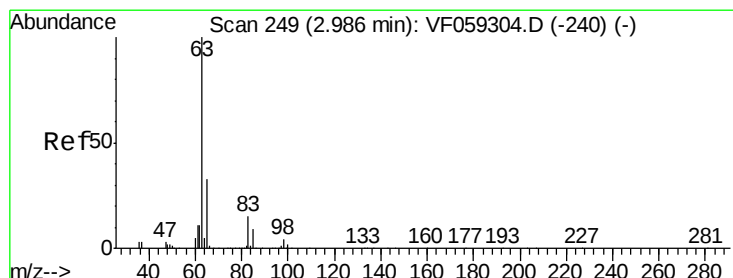
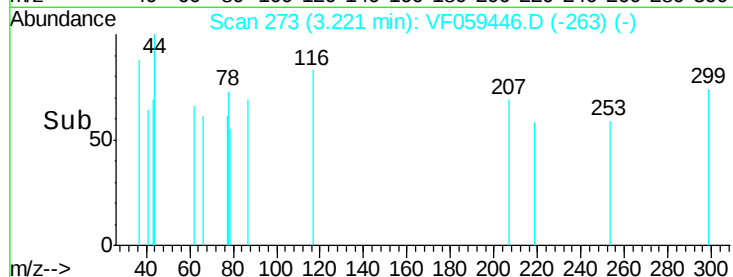
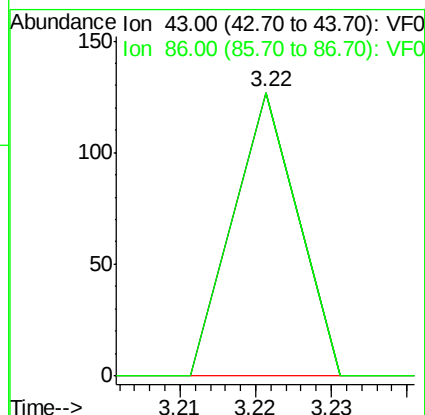
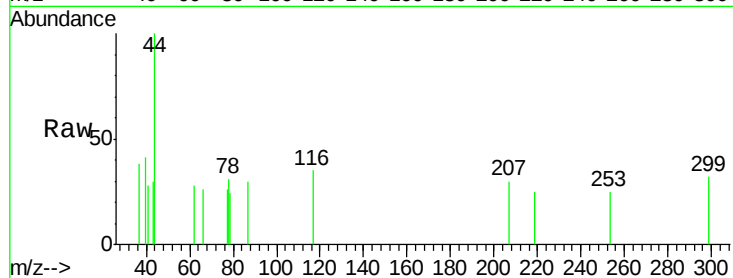
S-9(7.5-8)

Tot Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

86 100.0 5.8 8.6#



#24

1,1-Dichloroethane

Concen: 35.437 ug/l

RT: 2.85 min Scan# 235

Delta R.T. -0.14 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

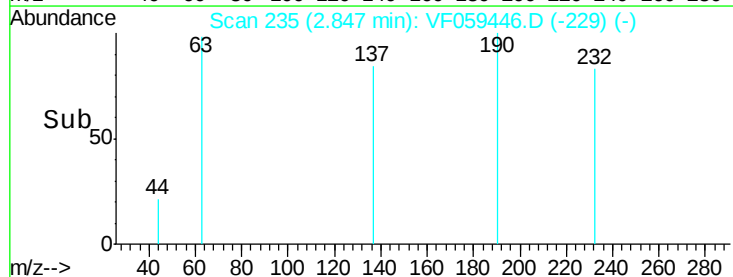
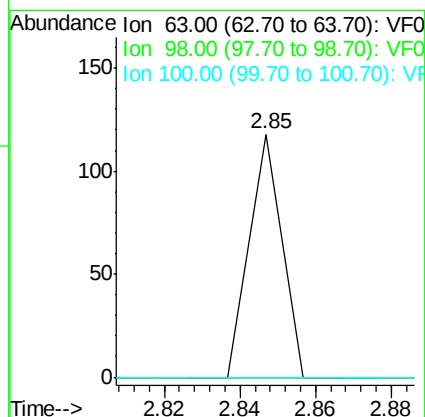
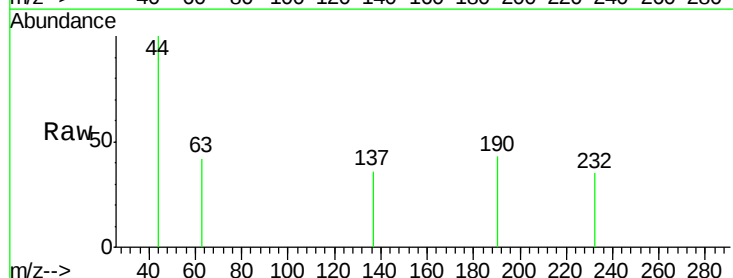
Tgt Ion: 63 Resp: 70

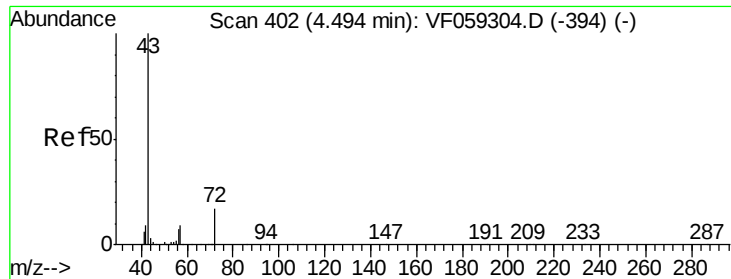
Ion Ratio Lower Upper

63 100

98 0.0 2.0 6.0#

100 0.0 1.3 3.9#





#25

2-Butanone

Concen: 196.225 ug/l

RT: 4.36 min Scan# 389

Delta R.T. -0.13 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

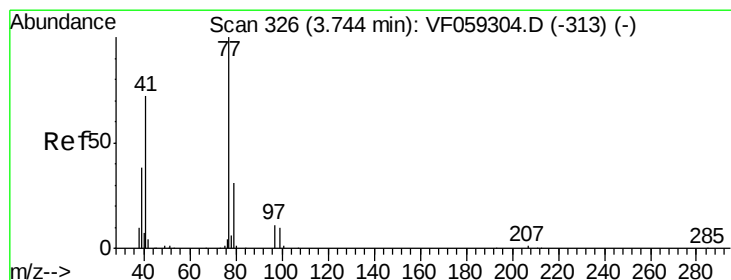
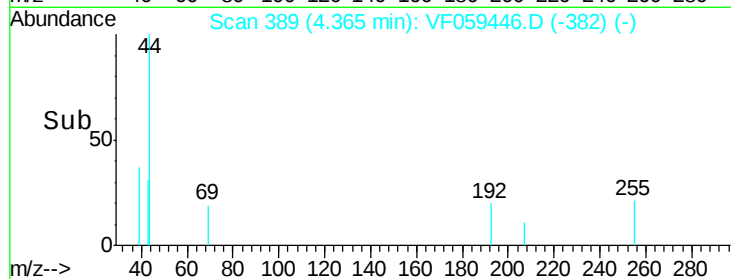
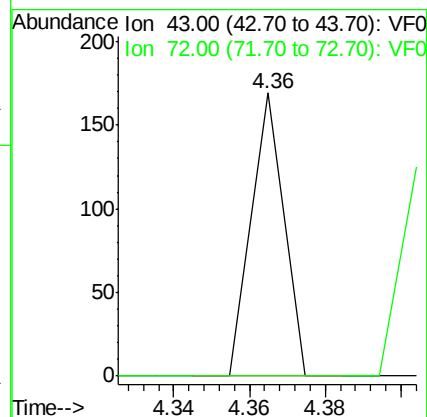
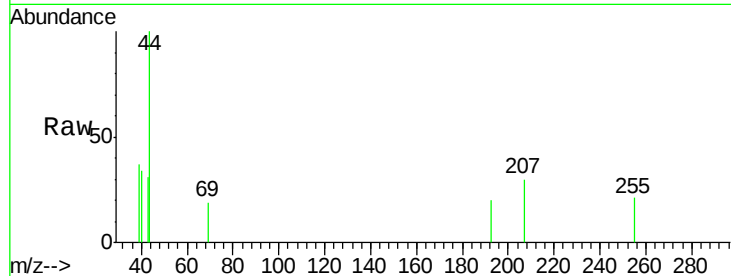
S-9(7.5-8)

Tot Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

72 0.0 14.4 21.6#



#26

2,2-Dichloropropane

Concen: 50.645 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.13 min

Lab File: VF059446.D

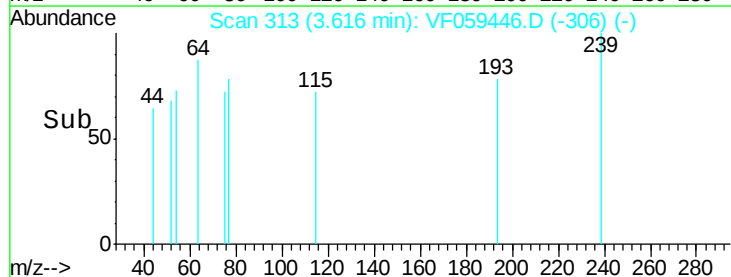
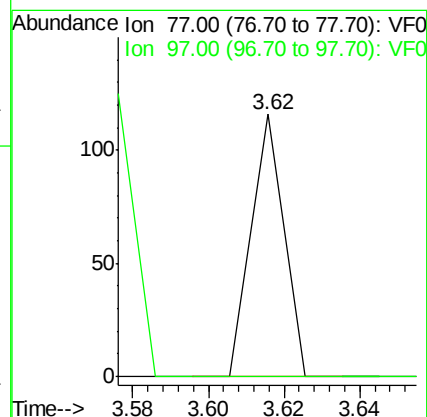
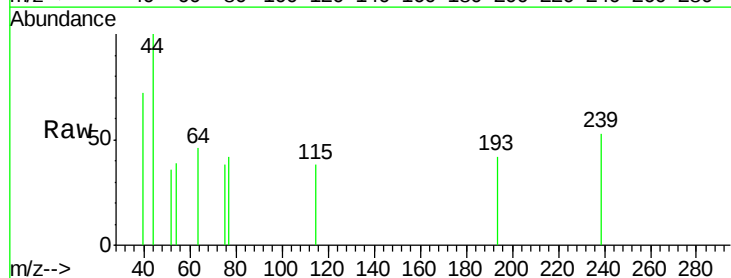
Acq: 5 Jul 2018 20:50

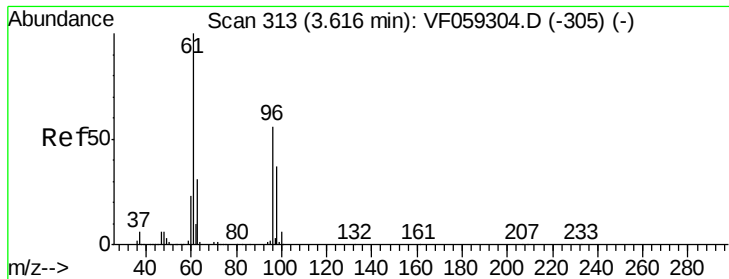
Tgt Ion: 77 Resp: 69

Ion Ratio Lower Upper

77 100

97 0.0 8.0 23.8#



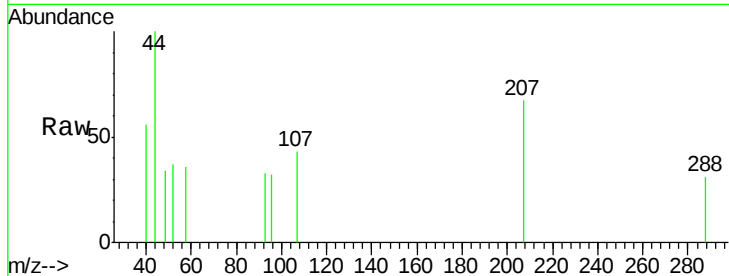


#27

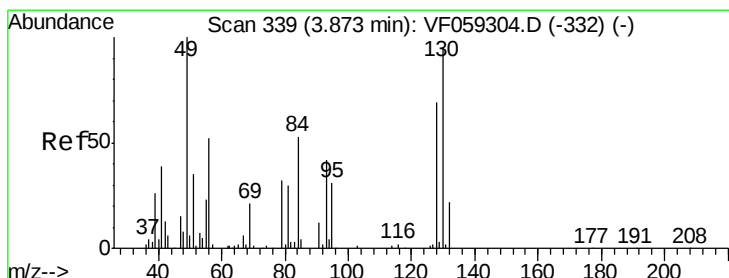
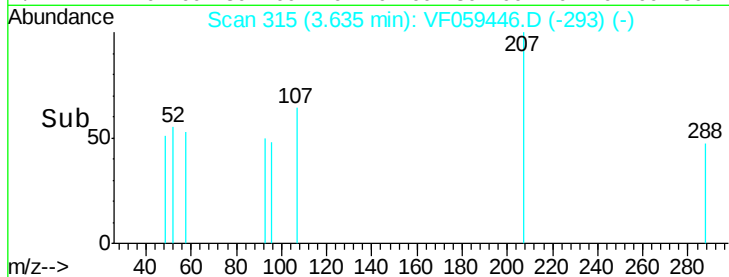
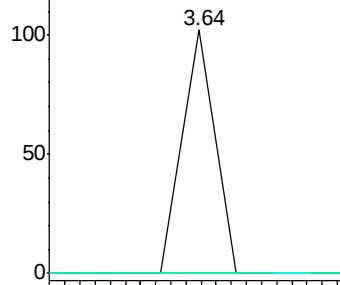
cis-1,2-Dichloroethene
 Concen: 48.336 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.02 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 S-9(7.5-8)

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	355.4
98	0.0	0.0	131.0



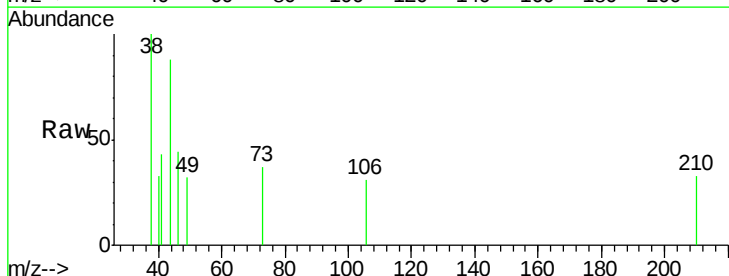
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



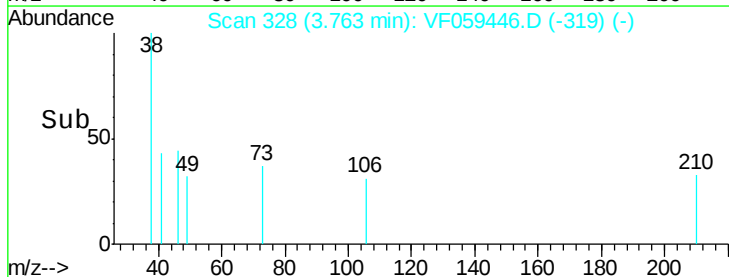
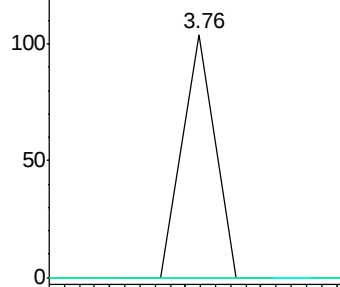
#28

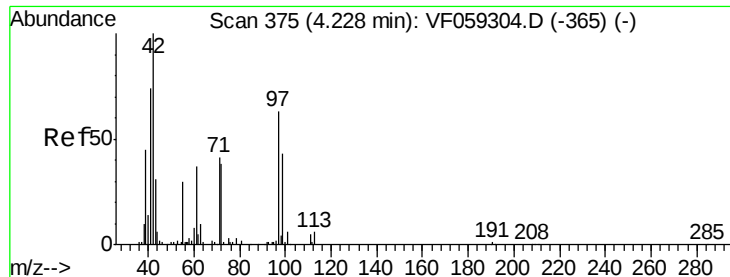
Bromochloromethane
 Concen: 84.676 ug/l
 RT: 3.76 min Scan# 328
 Delta R.T. -0.11 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	0.0	75.1	112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 297.957 ug/l

RT: 4.09 min Scan# 361

Delta R.T. -0.14 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

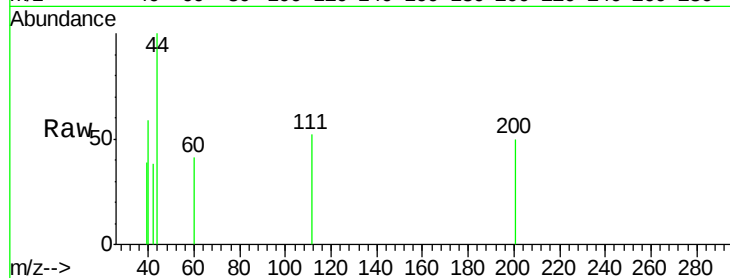
Tot Ion: 42 Resp: 64

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

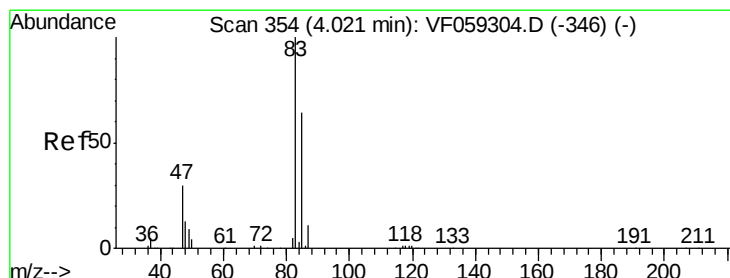
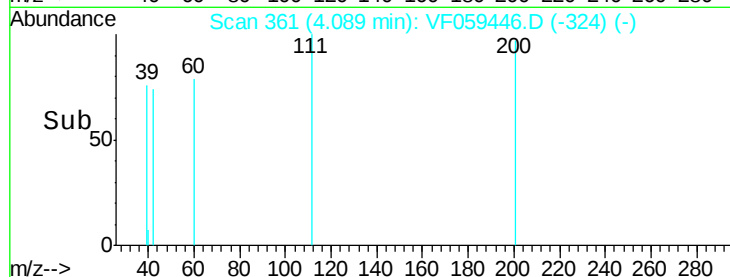
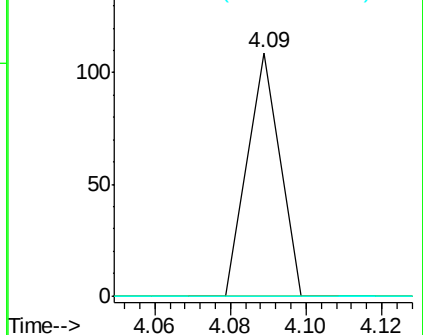
71 0.0 32.5 48.7#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.681 ug/l

RT: 3.99 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF059446.D

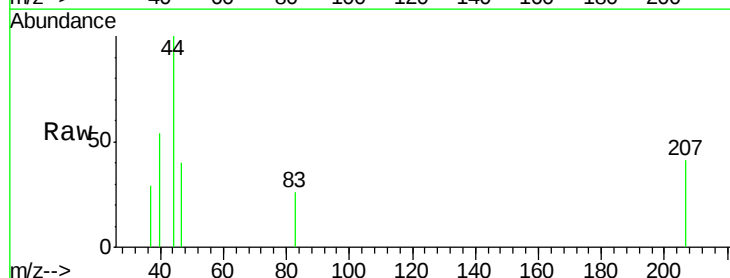
Acq: 5 Jul 2018 20:50

Tgt Ion: 83 Resp: 62

Ion Ratio Lower Upper

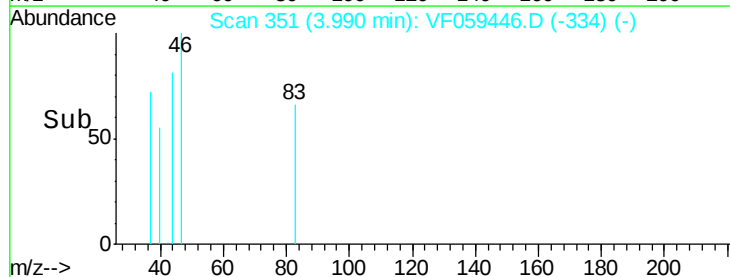
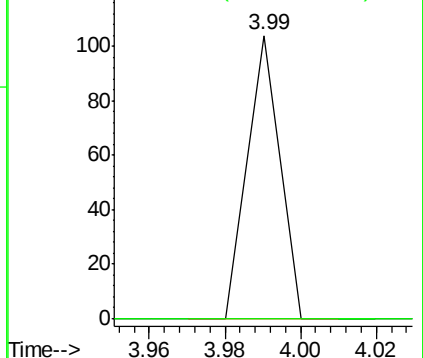
83 100

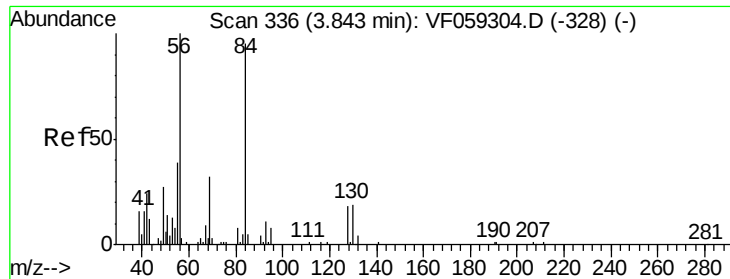
85 0.0 51.3 76.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

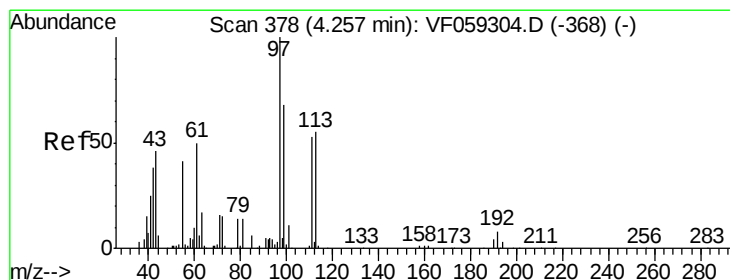
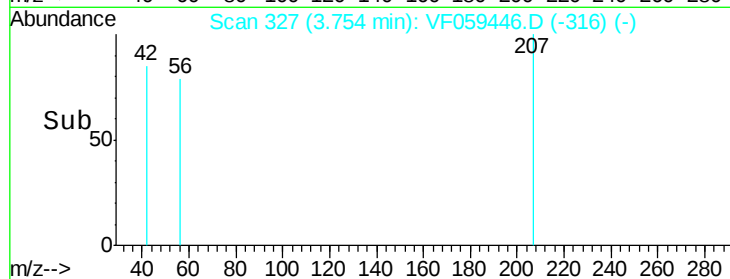
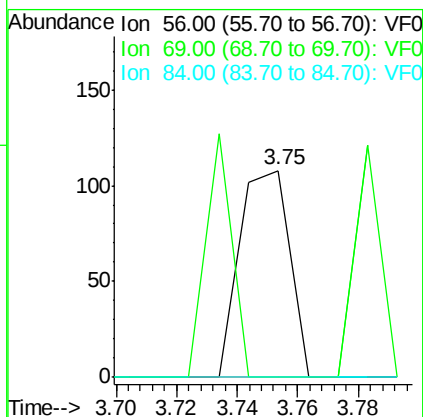
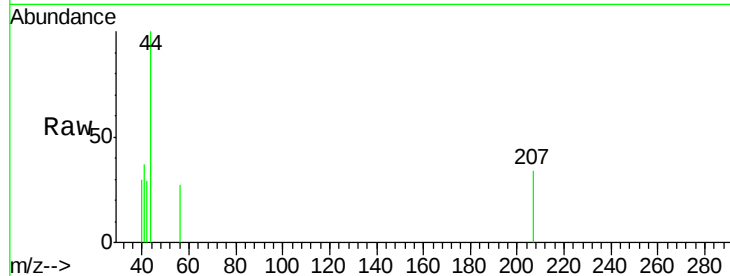




#31
Cvclohexane
Concen: 95.826 ug/l
RT: 3.75 min Scan# 327
Delta R.T. -0.09 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

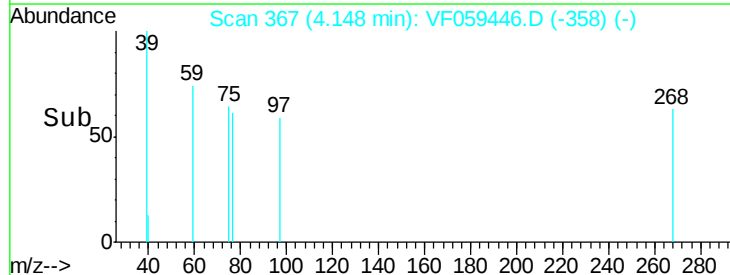
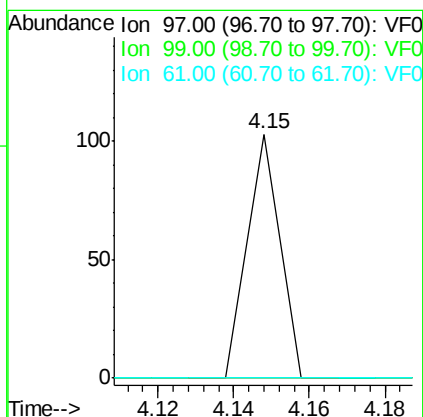
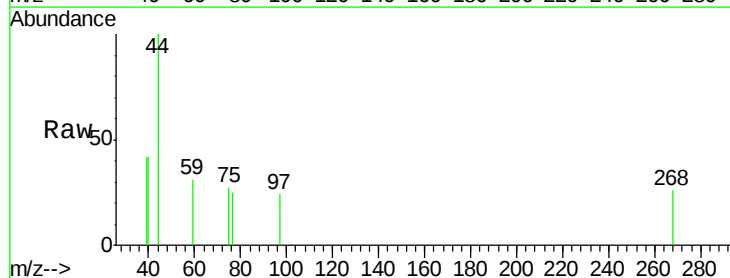
Instrument :
MSVOA_F
ClientSampleId :
S-9(7.5-8)

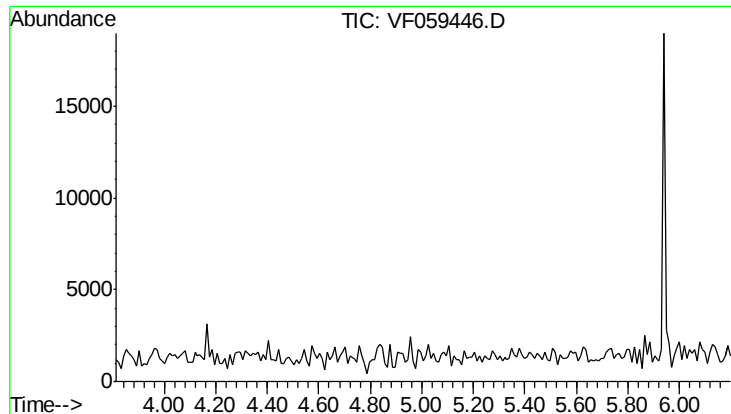
Tot Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
69 0.0 25.8 38.8#
84 0.0 75.6 113.4#



#32
1,1,1-Trichloroethane
Concen: 29.150 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.11 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

Tgt Ion: 97 Resp: 61
Ion Ratio Lower Upper
97 100
99 0.0 54.1 81.1#
61 0.0 41.2 61.8#

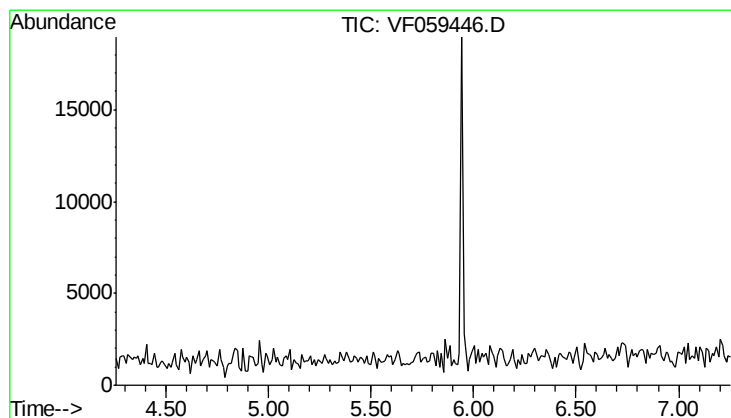
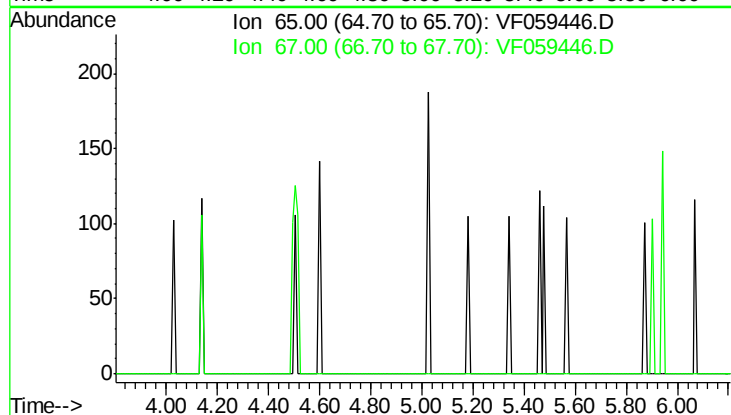




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 5.01 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

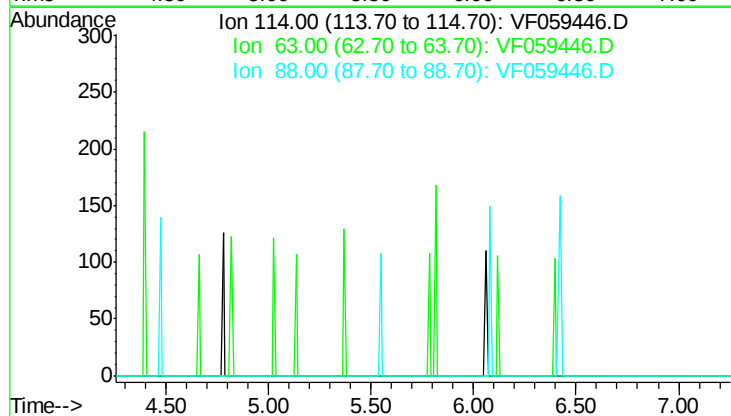
Instrument :
 MSVOA_F
 ClientSampleId :
 S-9(7.5-8)

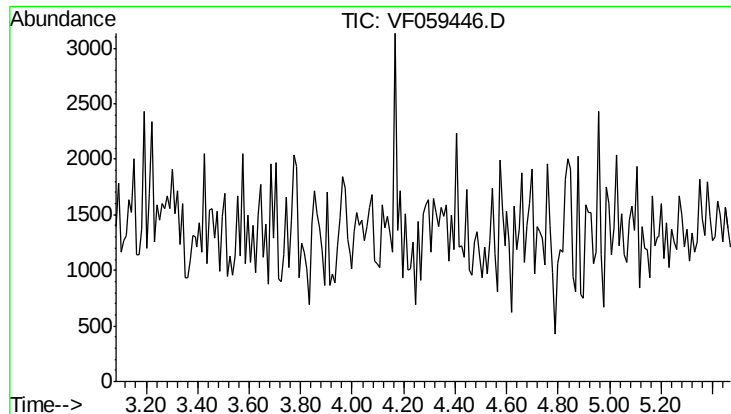
Tot Ion	65
Sig	Exp Ratio
65	100
67	48.4



#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.76 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

Tgt Ion	114
Sig	Exp Ratio
114	100
63	22.9
88	20.6

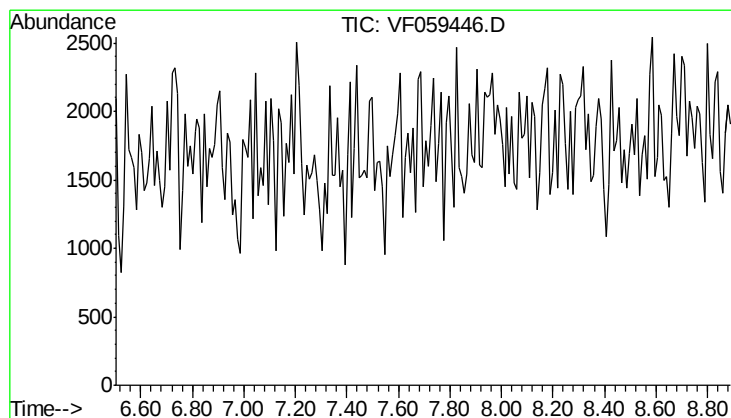
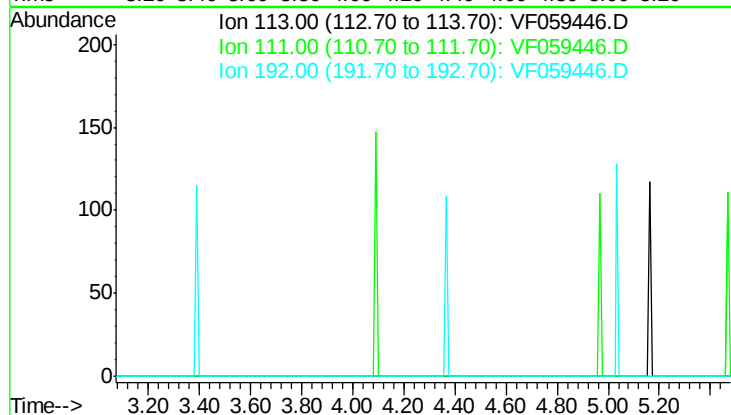




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.28 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

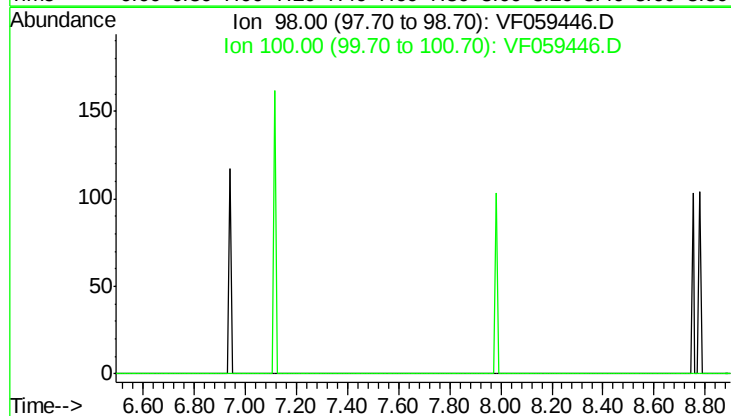
Instrument :
 MSVOA_F
 ClientSampleId :
 S-9(7.5-8)

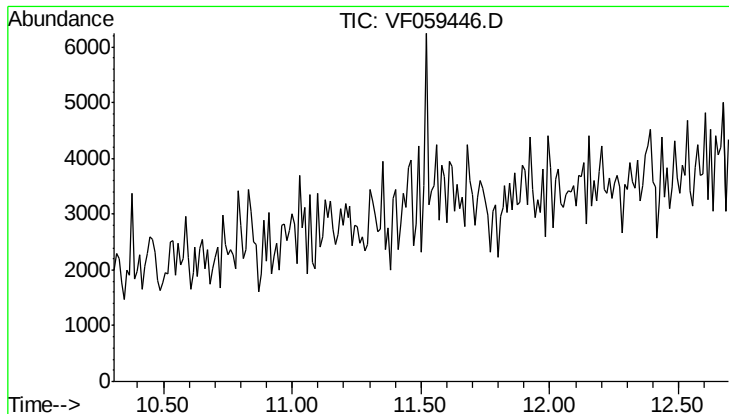
Tot Ion	113
Sig	Exp Ratio
113	100
111	102.6
192	16.3



#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 7.70 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

Tgt Ion	98
Sig	Exp Ratio
98	100
100	68.3





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.50 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

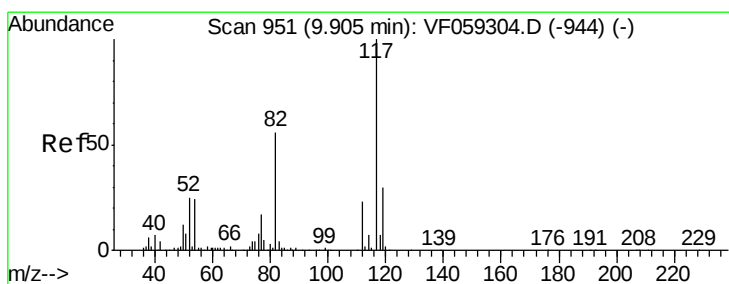
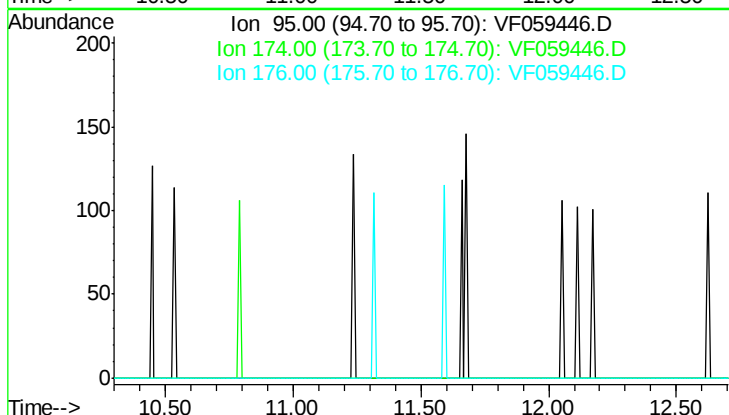
Tot Ion: 95

Sig Exp Ratio

95 100

174 82.6

176 80.5



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.12 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

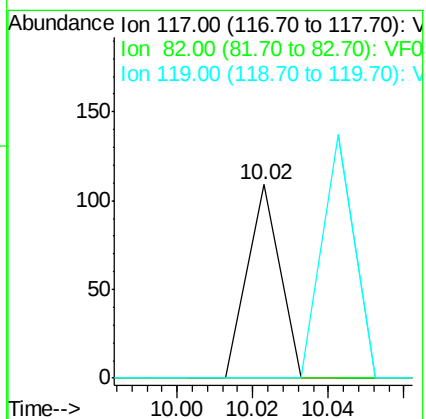
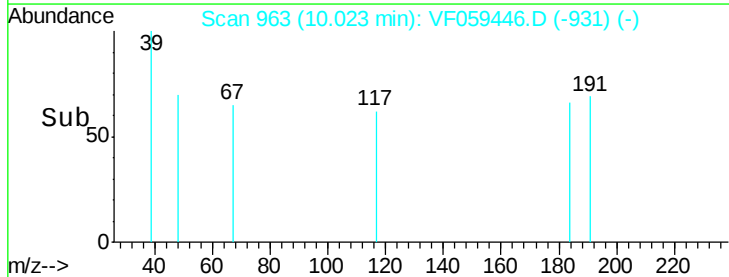
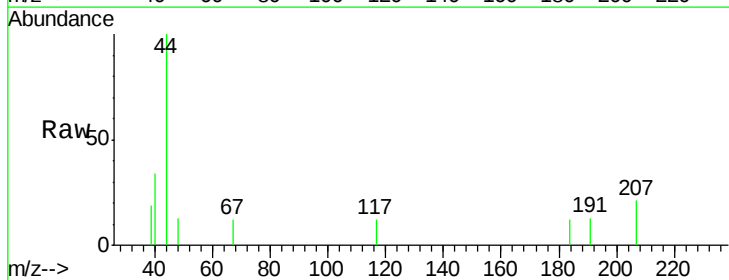
Tgt Ion: 117 Resp: 64

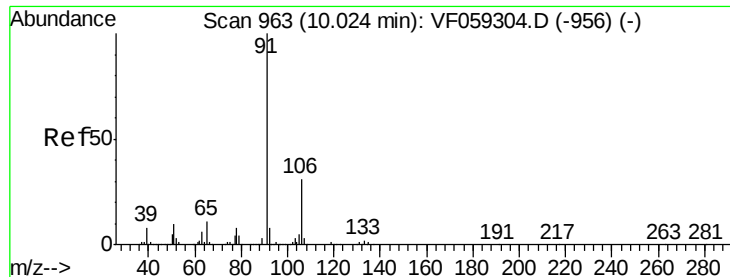
Ion Ratio Lower Upper

117 100

82 0.0 44.6 66.8#

119 0.0 24.1 36.1#





#67

Ethyl Benzene

Concen: 45.729 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.10 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

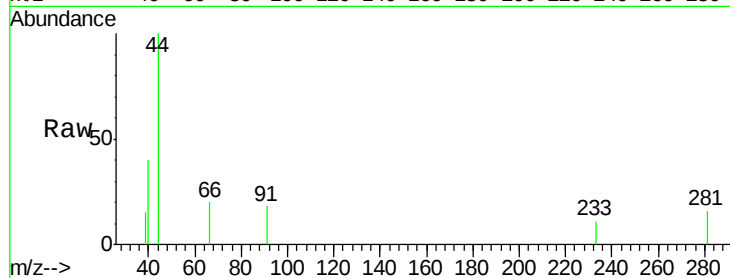
S-9(7.5-8)

Tot Ion: 91 Resp: 92

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

150

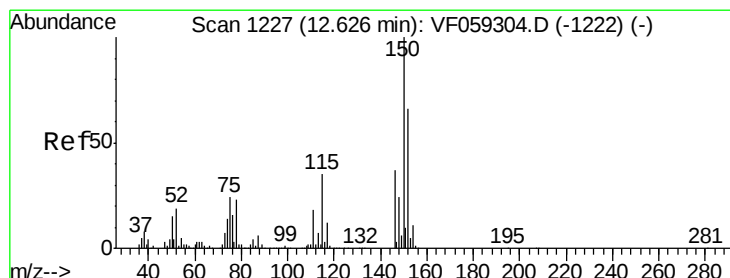
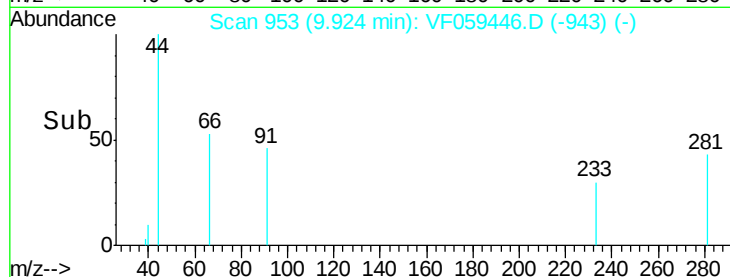
100

50

0

9.90 9.92 9.94

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

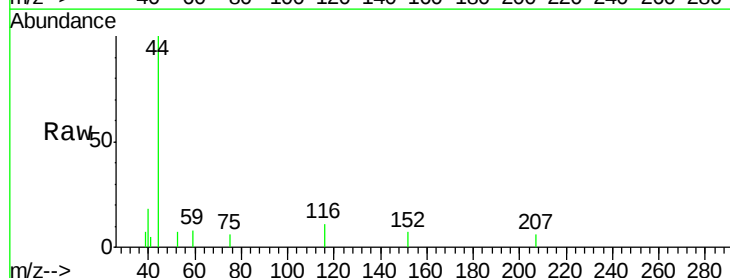
Tgt Ion: 152 Resp: 73

Ion Ratio Lower Upper

152 100

115 162.9 27.1 81.3#

150 0.0 0.0 305.2



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

150

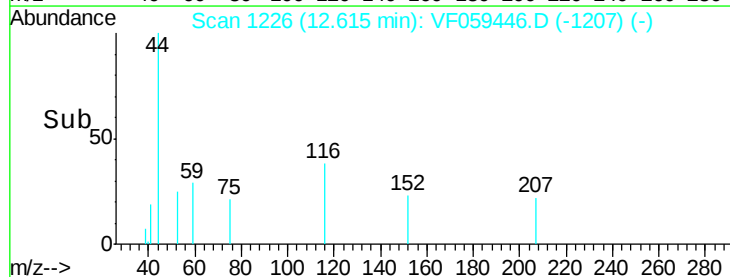
100

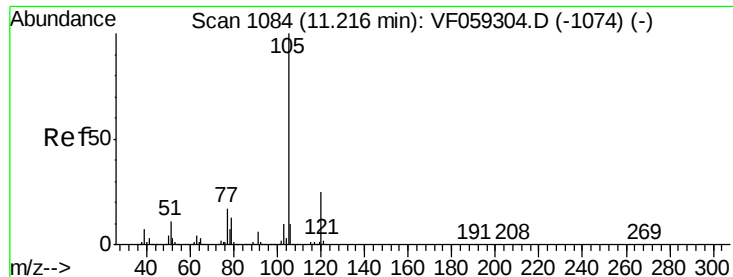
50

0

12.58 12.60 12.62 12.64

Time-->





#73

Isopropylbenzene

Concen: 15.049 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

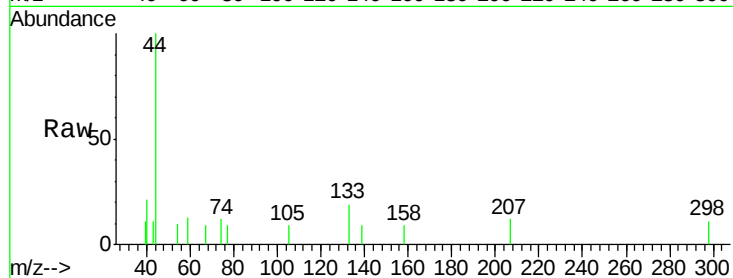
S-9(7.5-8)

Tot Ion:105 Resp: 64

Ion Ratio Lower Upper

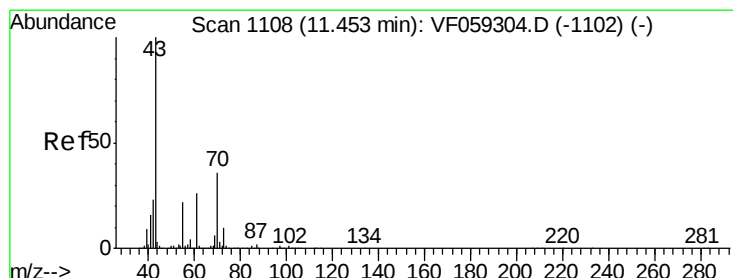
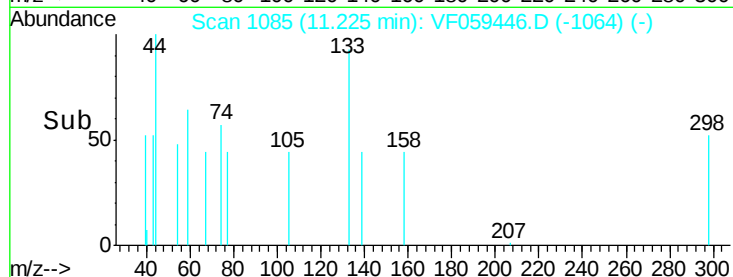
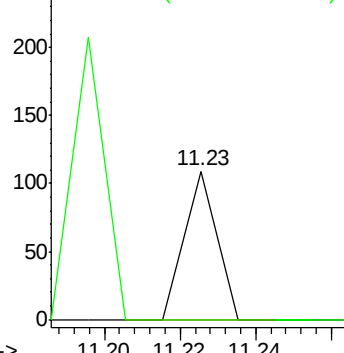
105 100

120 0.0 12.3 36.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 116.634 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Tgt Ion: 43 Resp: 180

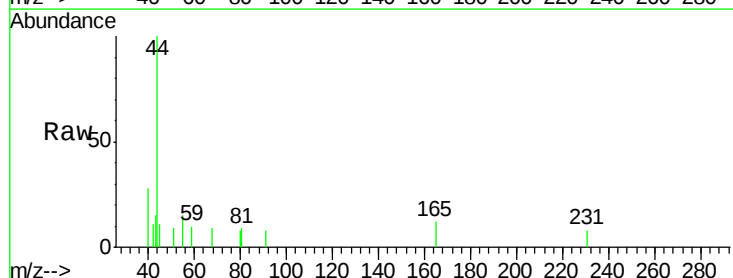
Ion Ratio Lower Upper

43 100

70 0.0 28.8 43.2#

55 103.1 17.4 26.0#

61 0.0 21.1 31.7#

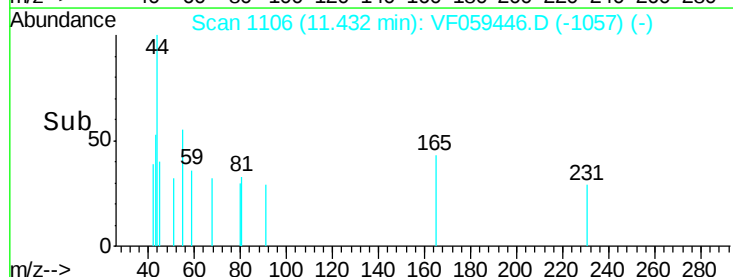
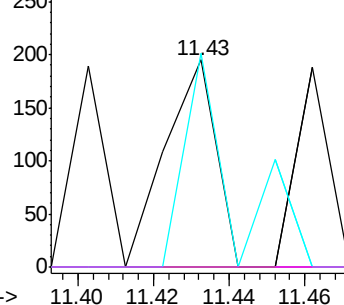


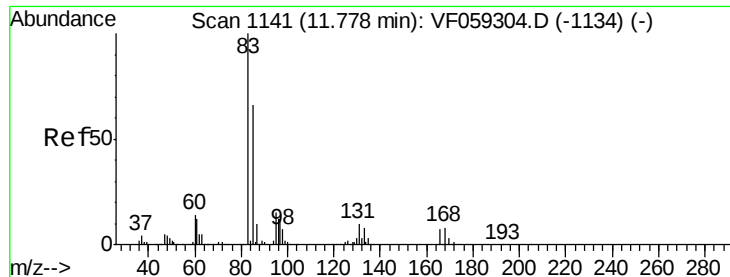
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 54.932 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. -0.14 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

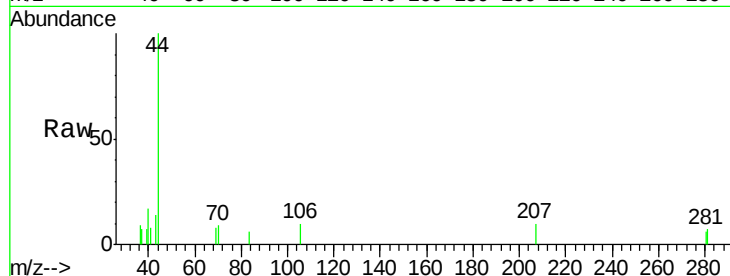
Tot Ion: 83 Resp: 59

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 0.0 32.8 98.4#



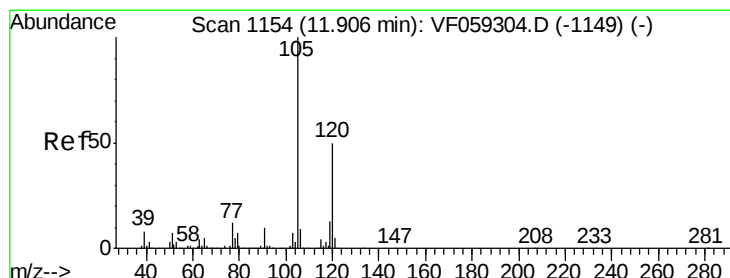
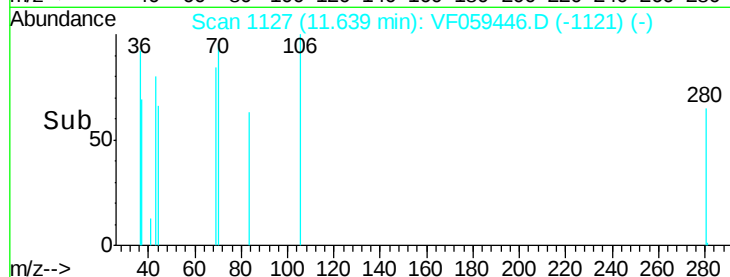
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

11.64

Time--> 11.60 11.62 11.64 11.66



#80

1,3,5-Trimethylbenzene

Concen: 21.475 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.15 min

Lab File: VF059446.D

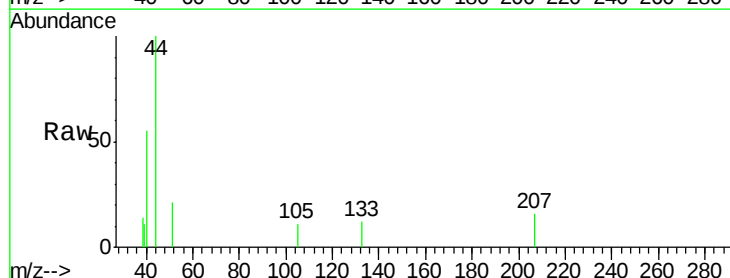
Acq: 5 Jul 2018 20:50

Tgt Ion: 105 Resp: 80

Ion Ratio Lower Upper

105 100

120 0.0 24.9 74.7#

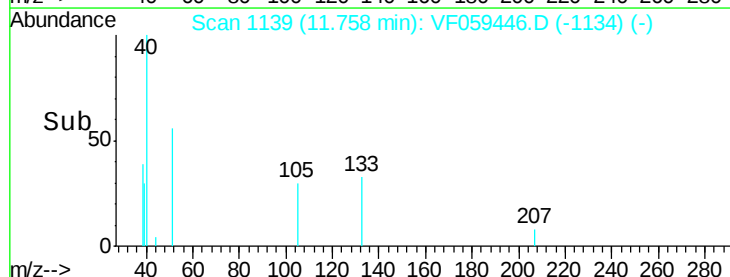


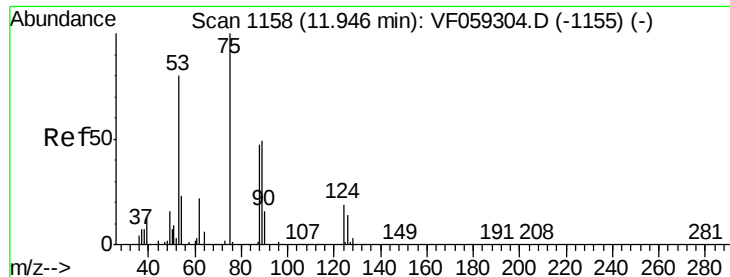
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.76

Time--> 11.72 11.74 11.76 11.78





#81

trans-1,4-Dichloro-2-butene

Concen: 205.303 ug/l

RT: 12.09 min Scan# 1173

Delta R.T. 0.15 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

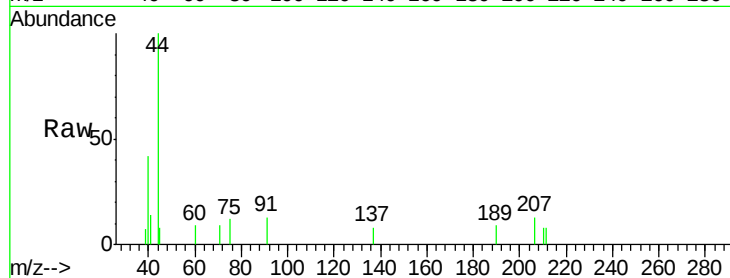
Tot Ion: 75 Resp: 99

Ion Ratio Lower Upper

75 100

53 0.0 68.8 103.2#

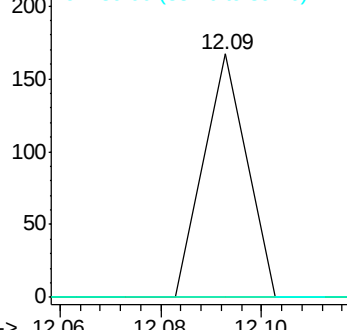
89 0.0 42.0 63.0#



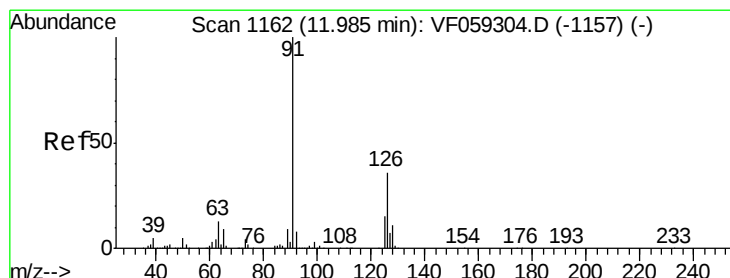
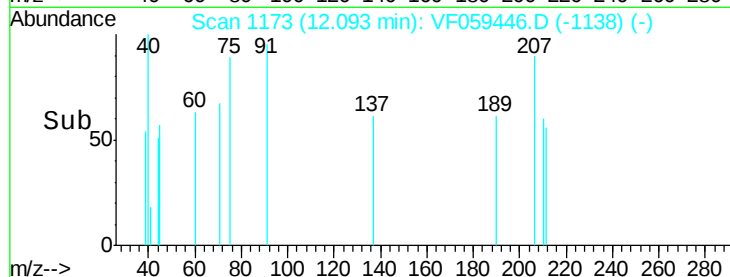
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time--> 12.06 12.08 12.10



#82

4-Chlorotoluene

Concen: 25.432 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.02 min

Lab File: VF059446.D

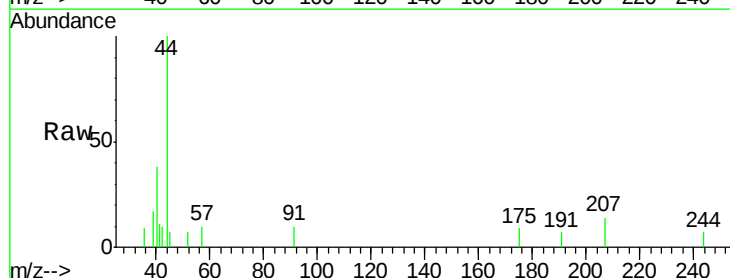
Acq: 5 Jul 2018 20:50

Tgt Ion: 91 Resp: 85

Ion Ratio Lower Upper

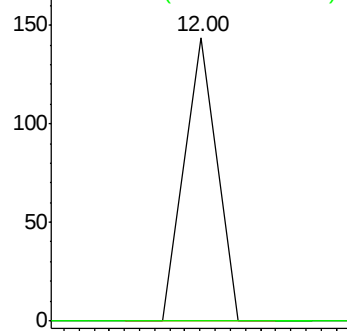
91 100

126 0.0 18.2 54.6#

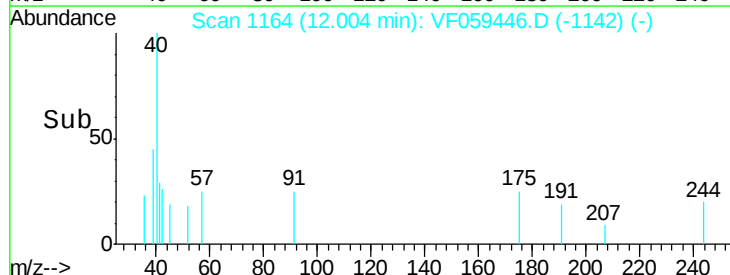


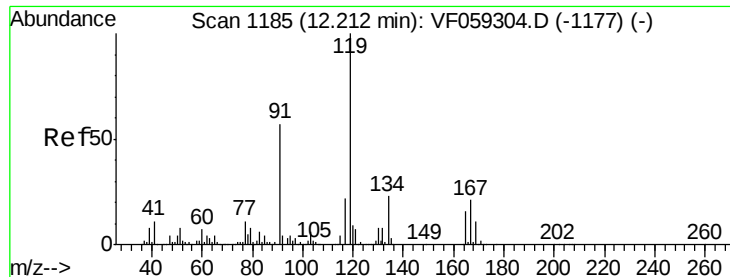
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.98 12.00 12.02

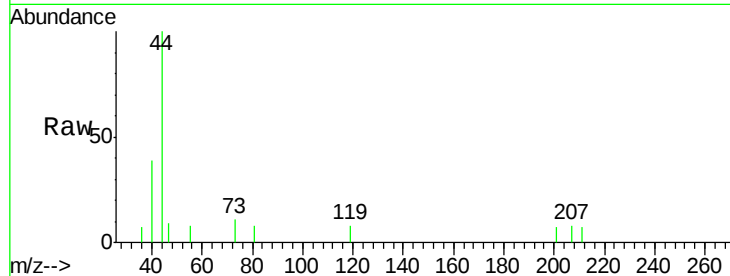




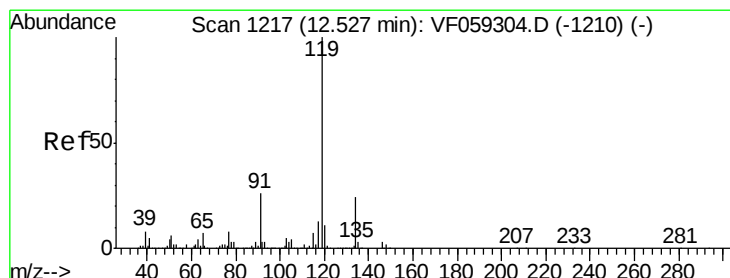
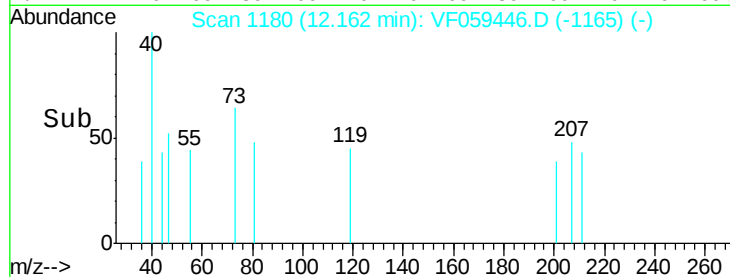
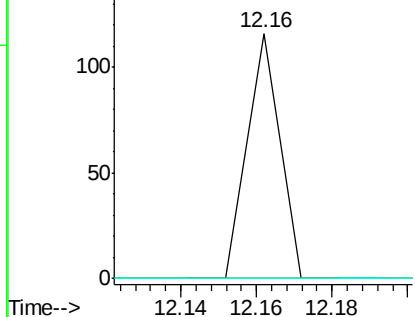
#83
tert-Butylbenzene
Concen: 18.519 ug/l
RT: 12.16 min Scan# 1180
Delta R.T. -0.05 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

Instrument :
MSVOA_F
ClientSampleId :
S-9(7.5-8)

Tot Ion:119 Resp: 69
Ion Ratio Lower Upper
119 100
91 0.0 28.4 85.2#
134 0.0 11.7 35.1#

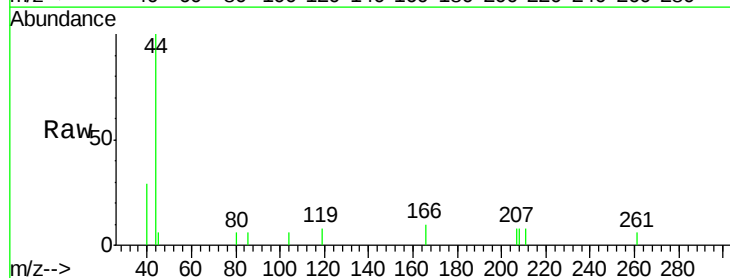


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

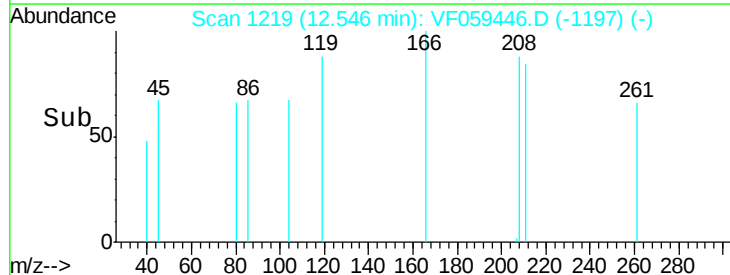
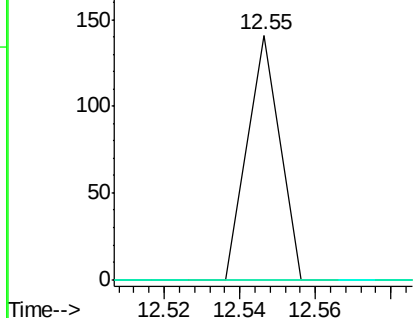


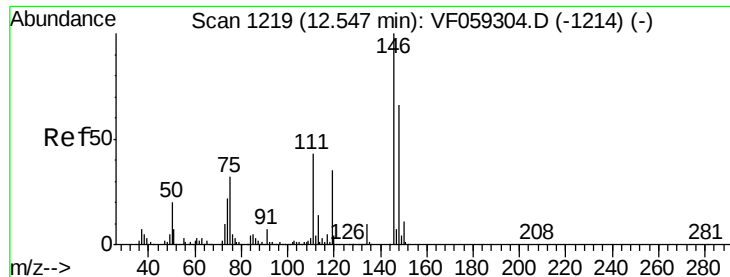
#86
p-Isopropyltoluene
Concen: 20.026 ug/l
RT: 12.55 min Scan# 1219
Delta R.T. 0.02 min
Lab File: VF059446.D
Acq: 5 Jul 2018 20:50

Tgt Ion:119 Resp: 83
Ion Ratio Lower Upper
119 100
134 0.0 12.2 36.4#
91 0.0 12.9 38.6#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 35.639 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.04 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

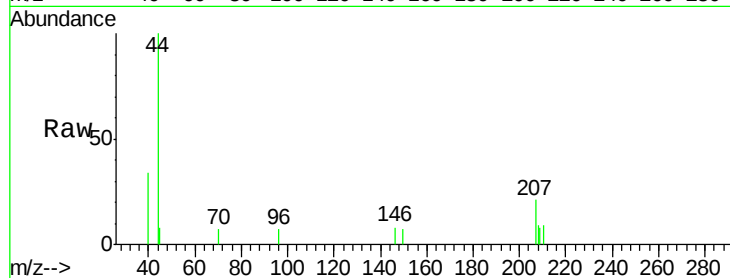
Tot Ion:146 Resp: 72

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

148 0.0 32.8 98.4#



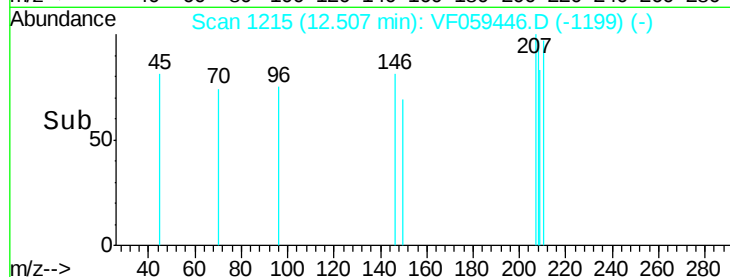
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

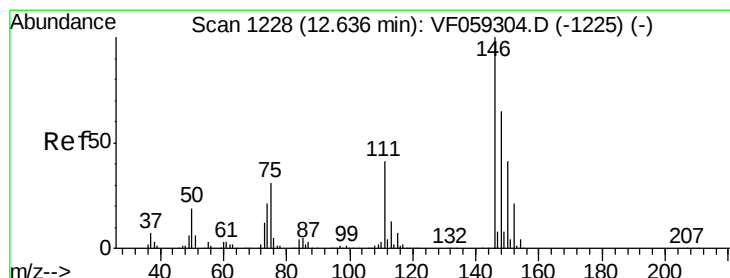
Ion 148.00 (147.70 to 148.70): V

12.51

12.52



Time-->



#88

1,4-Dichlorobenzene

Concen: 34.169 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.13 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

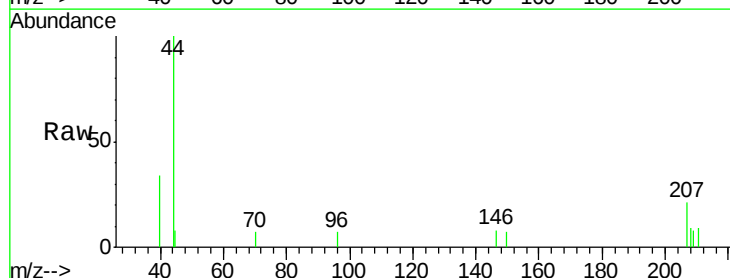
Tgt Ion:146 Resp: 72

Ion Ratio Lower Upper

146 100

111 0.0 20.7 62.1#

148 0.0 32.8 98.3#



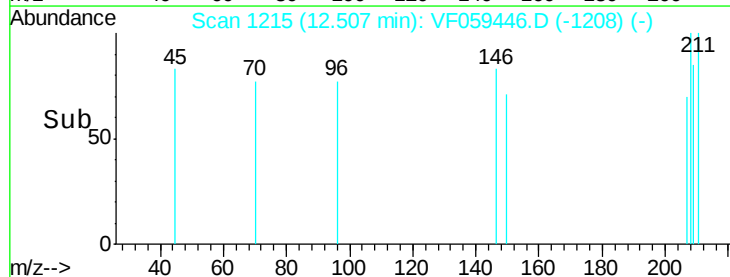
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

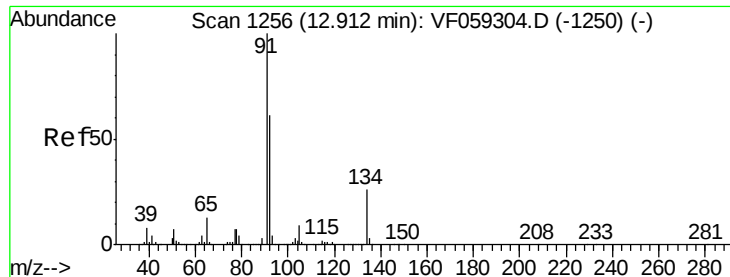
Ion 148.00 (147.70 to 148.70): V

12.51

12.52



Time-->



#89

n-Butylbenzene

Concen: 15.211 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampled :

S-9(7.5-8)

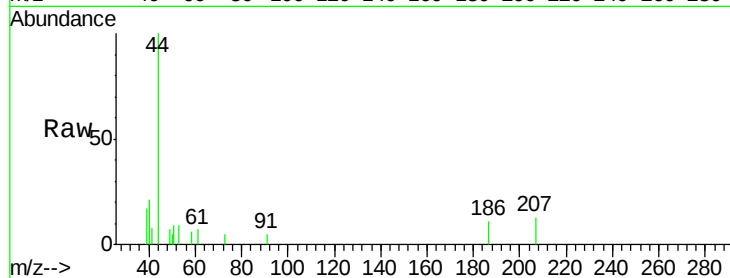
Tot Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

92 0.0 30.3 91.0#

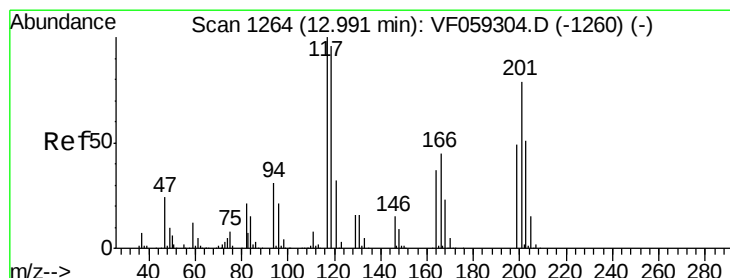
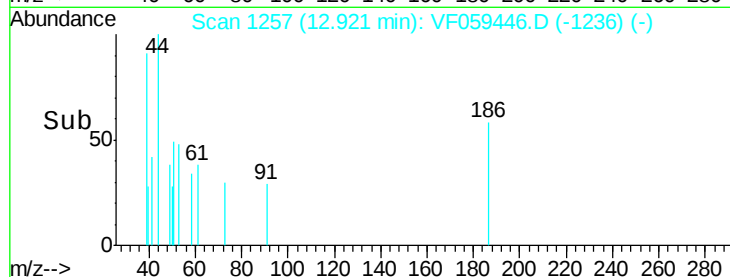
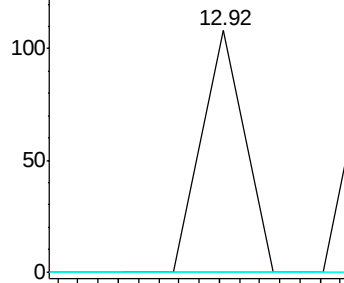
134 0.0 12.9 38.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 124.878 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.04 min

Lab File: VF059446.D

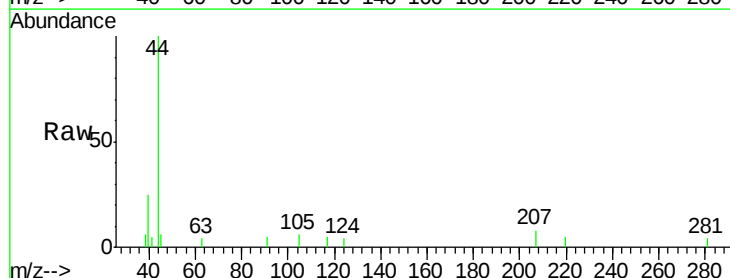
Acq: 5 Jul 2018 20:50

Tgt Ion: 117 Resp: 129

Ion Ratio Lower Upper

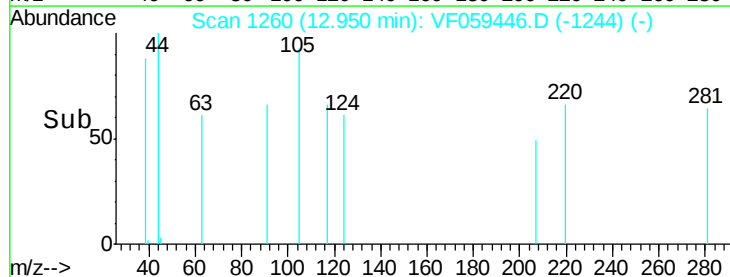
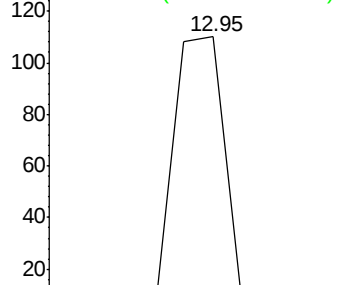
117 100

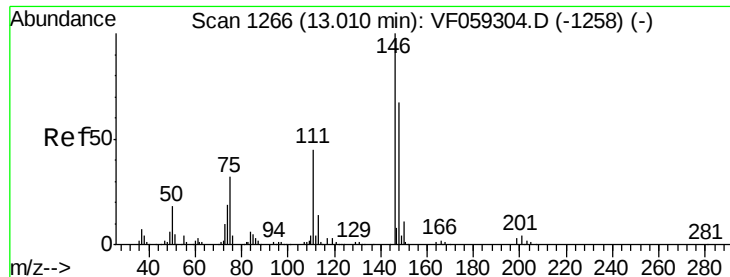
201 0.0 39.5 118.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

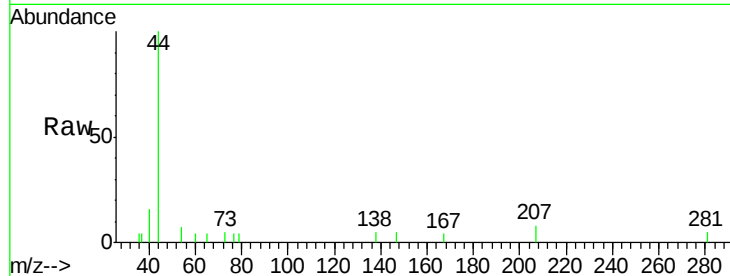




#91
 1,2-Dichlorobenzene
 Concen: 40.616 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 S-9(7.5-8)

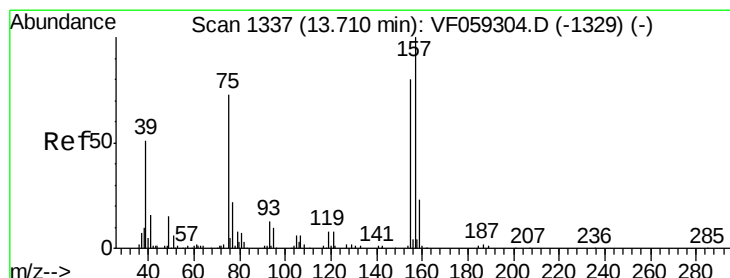
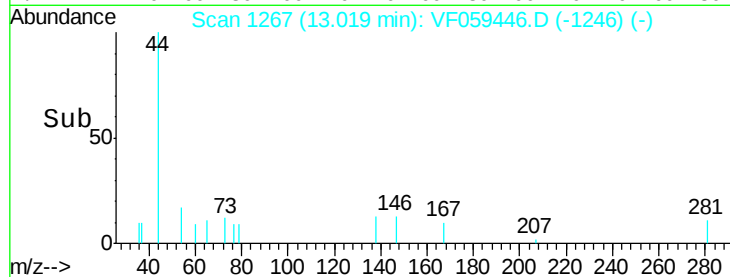
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.7	68.0#
148	0.0	33.5	100.4#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

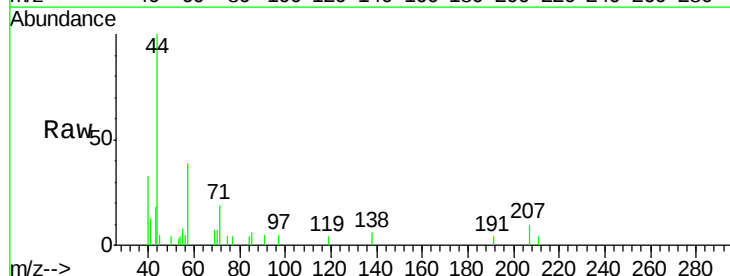
13.02

Time--> 12.98 13.00 13.02 13.04



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 306.601 ug/l
 RT: 13.74 min Scan# 1340
 Delta R.T. 0.03 min
 Lab File: VF059446.D
 Acq: 5 Jul 2018 20:50

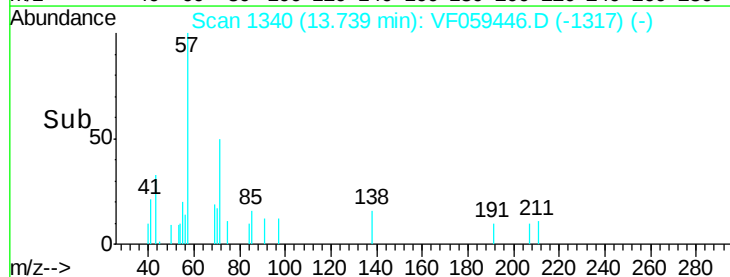
Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	54.6	163.8#
157	0.0	68.7	205.9#

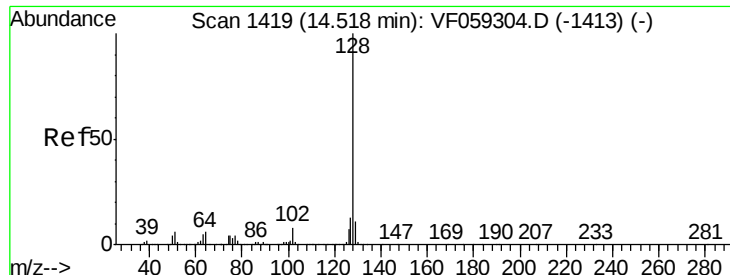


Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

13.74

Time--> 13.70 13.72 13.74 13.76





#95

Naphthalene

Concen: 22.331 ug/l

RT: 14.54 min Scan# 1421

Delta R.T. 0.02 min

Lab File: VF059446.D

Acq: 5 Jul 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

S-9(7.5-8)

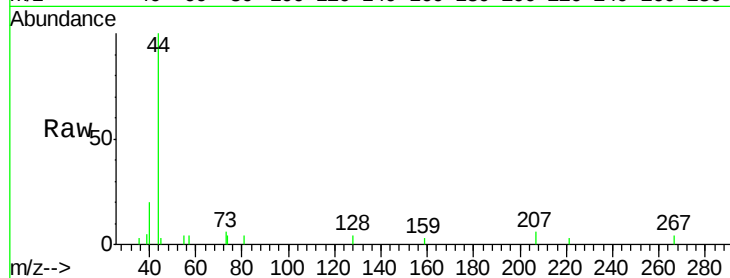
Tot Ion:128 Resp: 74

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

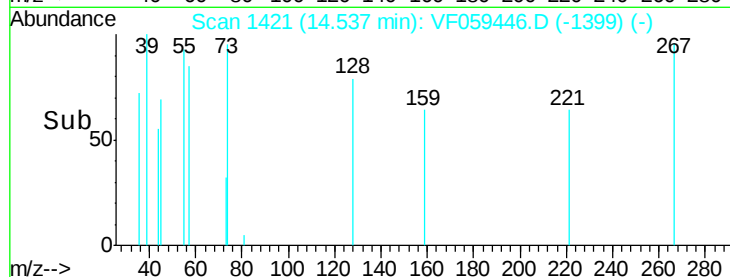
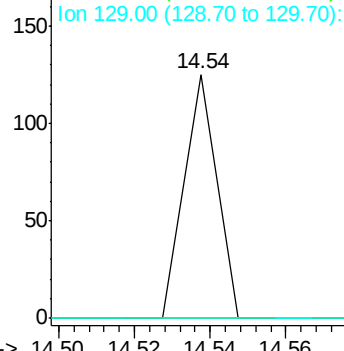
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 14.50 14.52 14.54 14.56