

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121918\
 Data File : VF061093.D
 Acq On : 19 Dec 2018 19:05
 Operator : VA/AP
 Sample : J6464-04
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 20 02:24:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	6900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	9763	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.78	117	5625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	1129	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	1085	12.23	ug/l	0.00
Spiked Amount						
			Recovery	=	24.46%	
35) Dibromofluoromethane	4.10	113	2188	27.98	ug/l	-0.01
Spiked Amount						
			Recovery	=	55.96%	
50) Toluene-d8	7.56	98	6106	27.55	ug/l	0.00
Spiked Amount						
			Recovery	=	55.10%	
62) 4-Bromofluorobenzene	11.41	95	1590	15.56	ug/l	0.00
Spiked Amount						
			Recovery	=	31.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.13	50	249	2.834	ug/l #	42
4) Vinyl Chloride	1.18	62	94	1.153	ug/l #	37
5) Bromomethane	1.33	94	231	4.086	ug/l #	3
6) Chloroethane	1.49	64	220	5.858	ug/l #	41
8) Diethyl Ether	1.46	74	105	4.927	ug/l	67
11) Tert butyl alcohol	2.51	59	111	30.995	ug/l #	1
12) 1,1-Dichloroethene	1.76	96	299	4.916	ug/l #	1
13) Acrolein	1.99	56	367	141.819	ug/l	90
14) Allyl chloride	2.09	41	347	5.482	ug/l #	67
15) Acrylonitrile	2.95	53	546	65.932	ug/l #	37
16) Acetone	2.25	43	560	31.565	ug/l	98
18) Methyl Acetate	2.35	43	457	12.451	ug/l #	66
19) Methyl tert-butyl Ether	2.44	73	156	1.155	ug/l #	59
20) Methylene Chloride	2.32	84	71	Below Cal	#	1
22) Diisopropyl ether	2.78	45	363	1.722	ug/l #	1
23) Vinyl Acetate	3.20	43	258	2.653	ug/l #	78
25) 2-Butanone	4.37	43	174	6.047	ug/l #	57
27) cis-1,2-Dichloroethene	3.43	96	139	1.396	ug/l	1
29) Tetrahydrofuran	4.06	42	98	8.368	ug/l #	37
31) Cyclohexane	3.70	56	149	1.149	ug/l #	13
37) Ethyl Acetate	4.12	43	166	2.971	ug/l #	21
41) Methacrylonitrile	4.78	41	244	9.804	ug/l #	27
43) Isopropyl Acetate	6.97	43	249	4.376	ug/l #	45
45) 1,2-Dichloropropane	6.29	63	137	1.987	ug/l #	44
48) Methyl methacrylate	6.73	41	65	1.636	ug/l #	9
51) 4-Methyl-2-Pentanone	8.27	43	112	2.870	ug/l #	38
52) Toluene	7.62	92	252	1.502	ug/l	87
55) 1,1,2-Trichloroethane	8.55	97	67	1.332	ug/l #	12
56) Ethyl methacrylate	8.60	69	69	1.268	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.35	63	79	7.559	ug/l #	50
59) 2-Hexanone	9.54	43	172	6.095	ug/l #	27
61) 1,2-Dibromoethane	9.01	107	60	1.117	ug/l #	4
74) N-amyl acetate	11.35	43	308	14.259	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.82	83	63	3.902	ug/l #	23

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

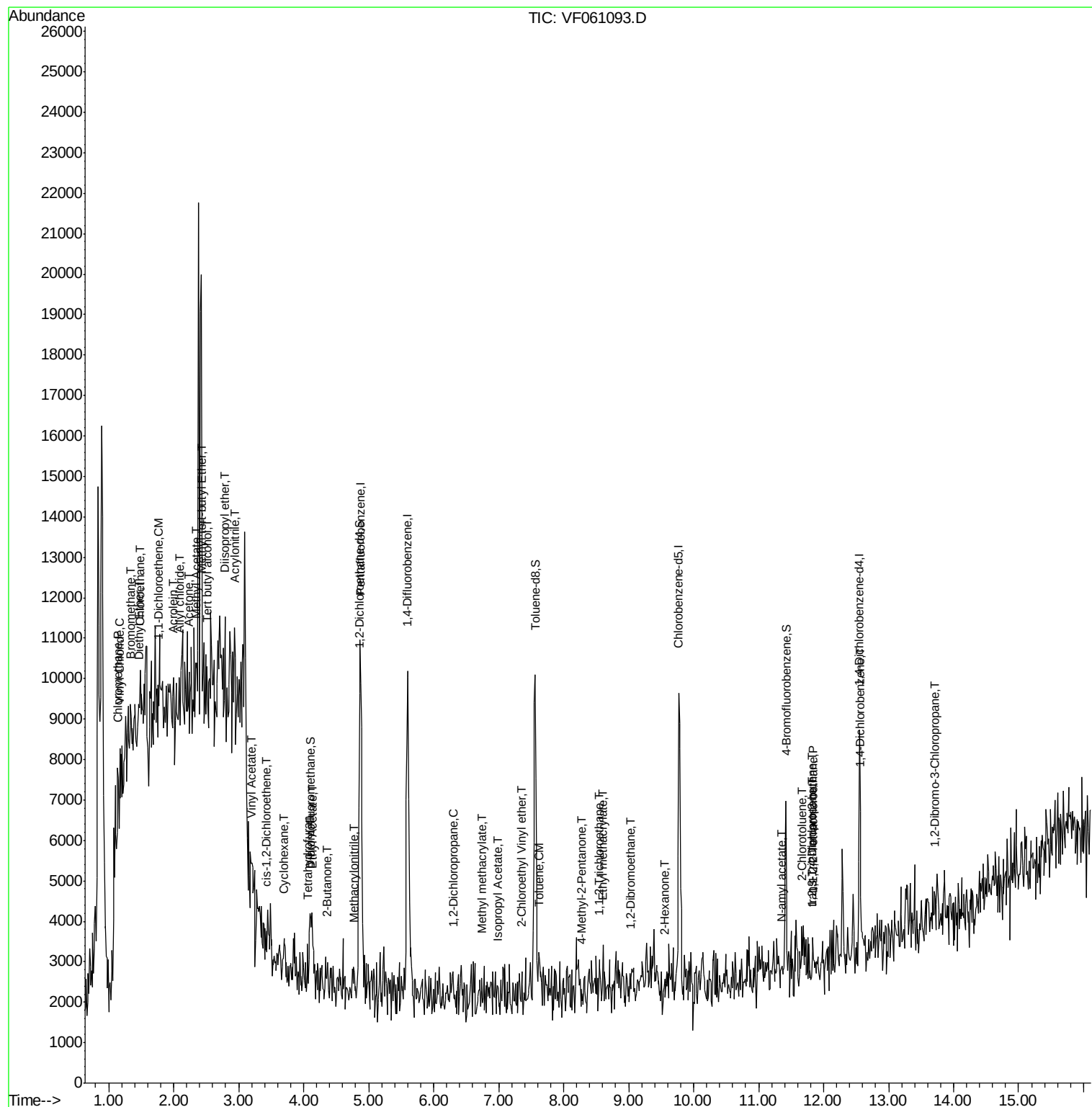
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	11.81	75	62	5.159	ug/l #	39
79) 2-Chlorotoluene	11.66	91	137	2.053	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.81	75	62	12.007	ug/l #	11
87) 1,3-Dichlorobenzene	12.57	146	63	Below Cal	#	25
88) 1,4-Dichlorobenzene	12.57	146	63	1.638	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	13.71	75	70	23.624	ug/l #	2

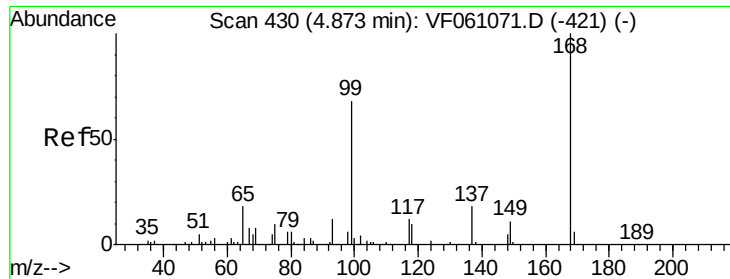
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

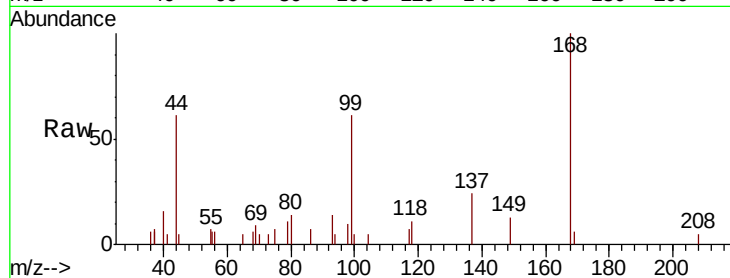
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 6900

Ion Ratio Lower Upper

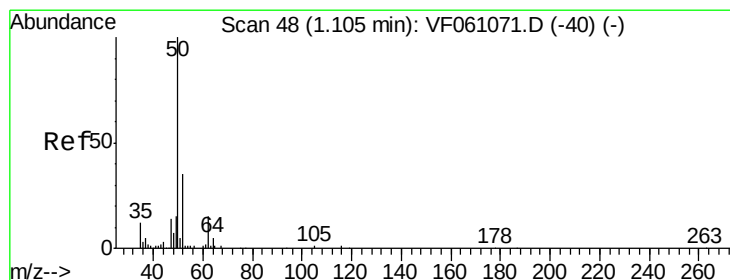
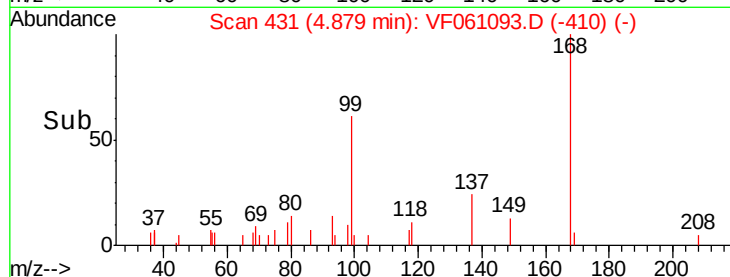
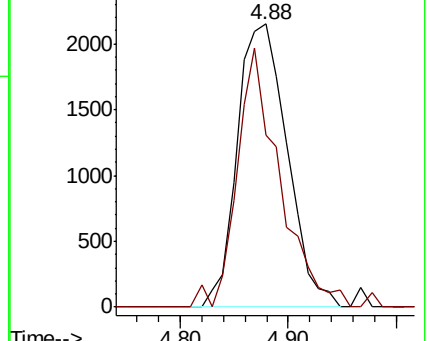
168 100

99 60.9 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 2.834 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF061093.D

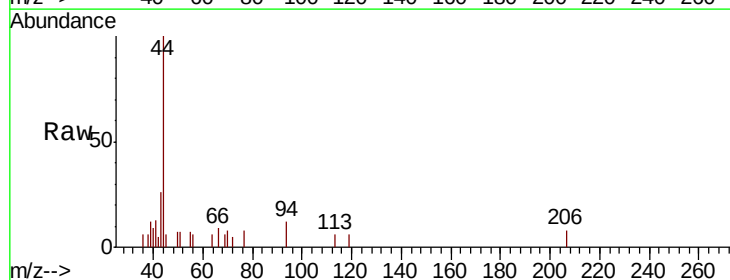
Acq: 19 Dec 2018 19:05

Tgt Ion: 50 Resp: 249

Ion Ratio Lower Upper

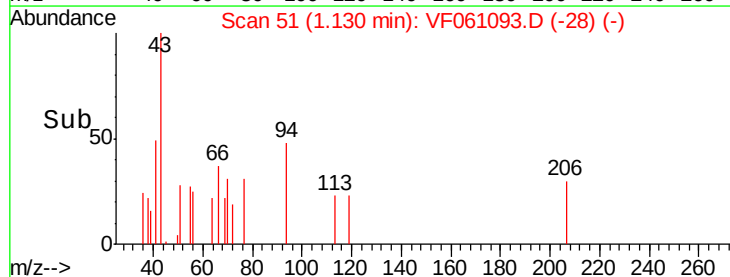
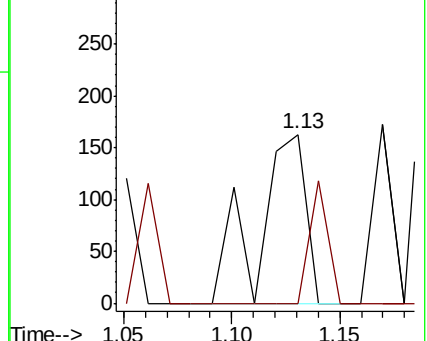
50 100

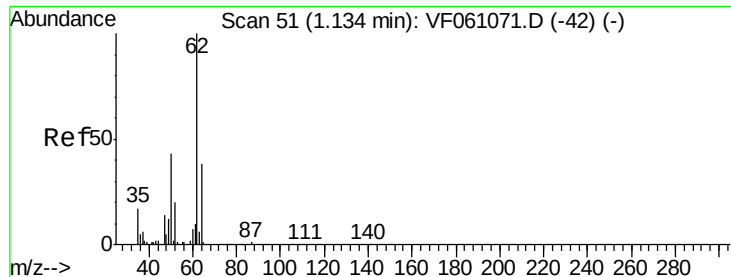
52 0.0 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 1.153 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.05 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

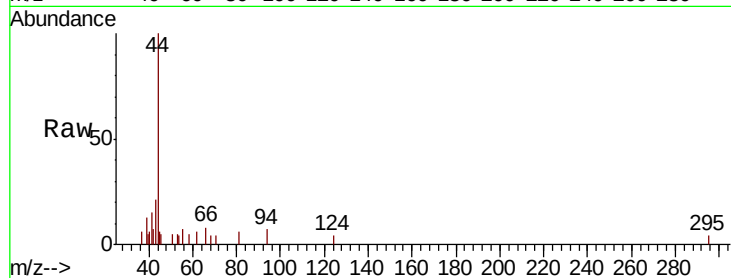
ClientSampleId :

Tot Ion: 62 Resp: 94

Ion Ratio Lower Upper

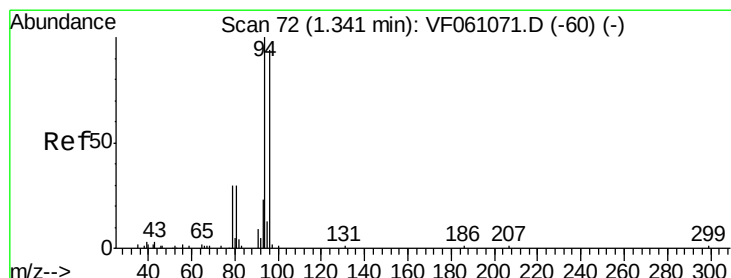
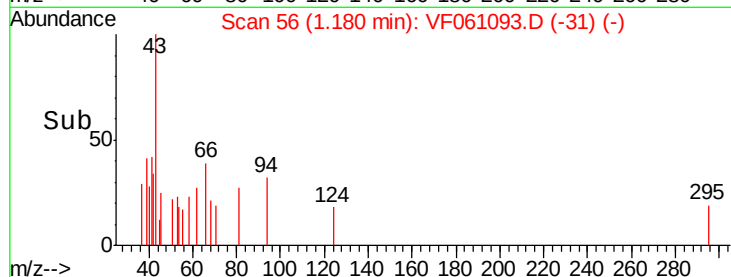
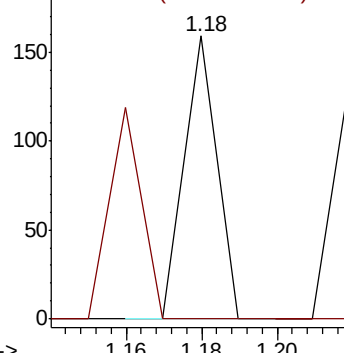
62 100

64 0.0 30.4 45.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 4.086 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061093.D

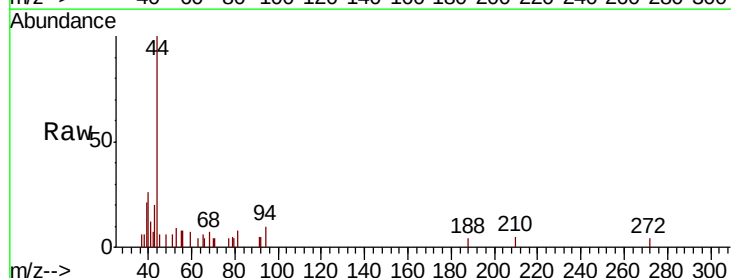
Acq: 19 Dec 2018 19:05

Tgt Ion: 94 Resp: 231

Ion Ratio Lower Upper

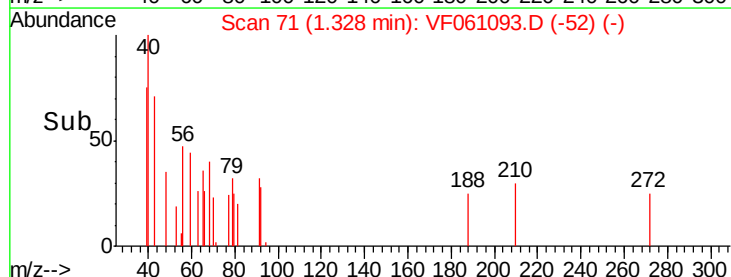
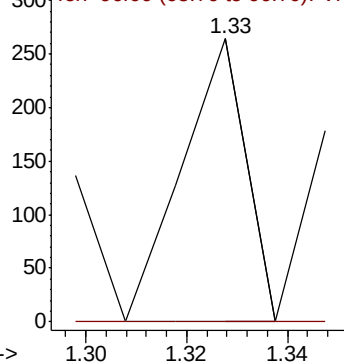
94 100

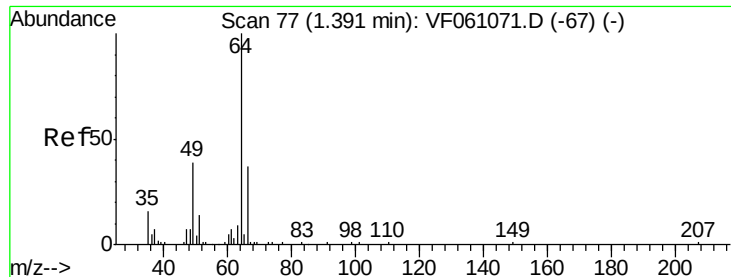
96 0.0 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 5.858 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.09 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

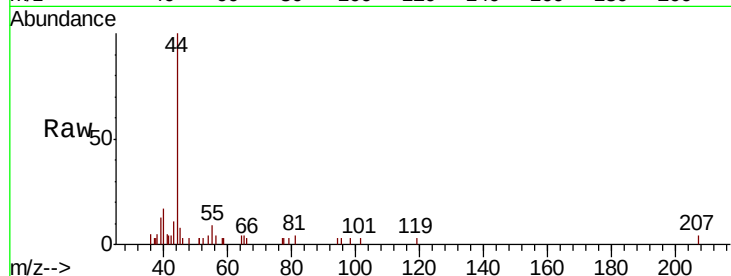
ClientSampled :

Tot Ion: 64 Resp: 220

Ion Ratio Lower Upper

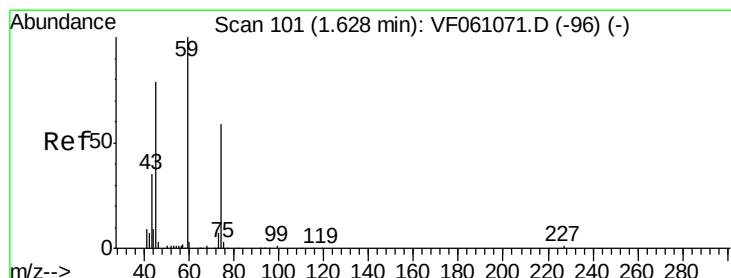
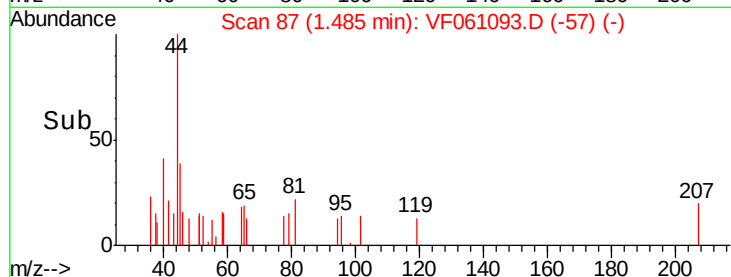
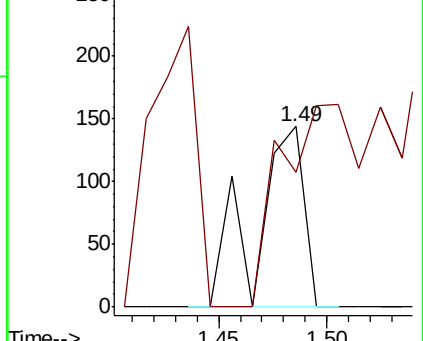
64 100

66 74.3 30.9 46.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 4.927 ug/l

RT: 1.46 min Scan# 84

Delta R.T. -0.17 min

Lab File: VF061093.D

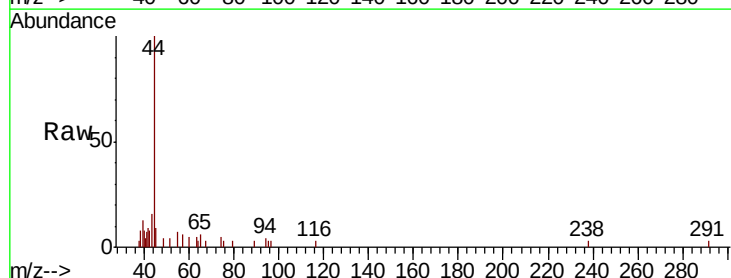
Acq: 19 Dec 2018 19:05

Tgt Ion: 74 Resp: 105

Ion Ratio Lower Upper

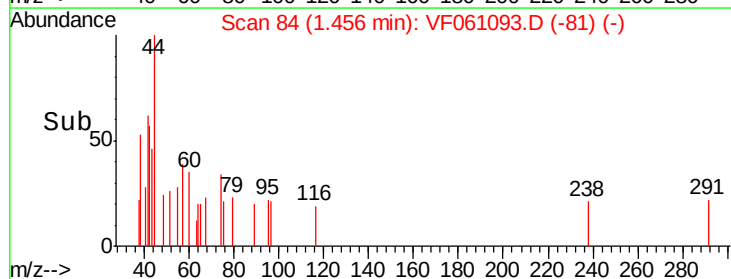
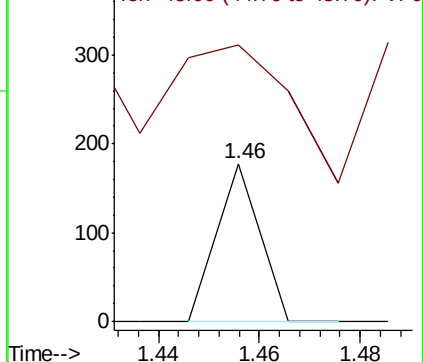
74 100

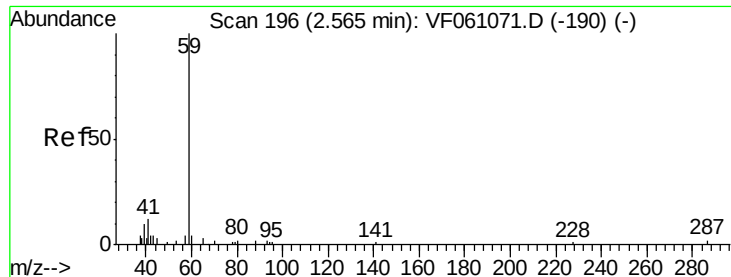
45 174.7 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



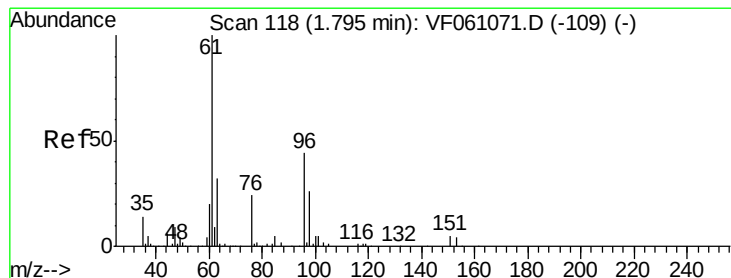
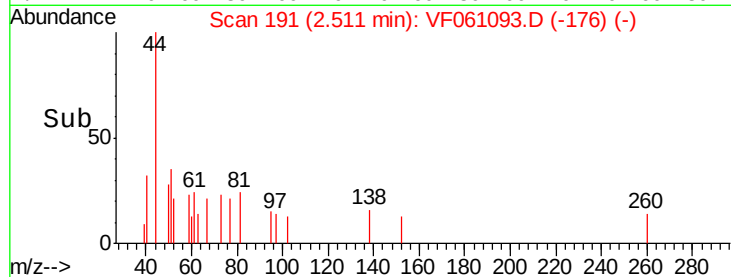
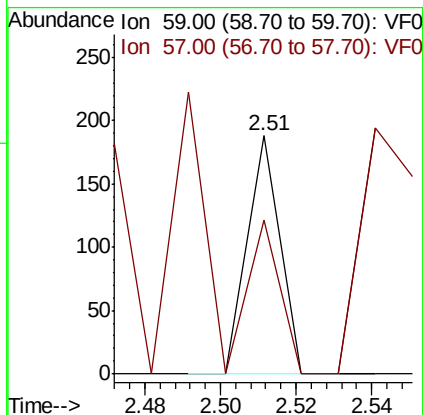
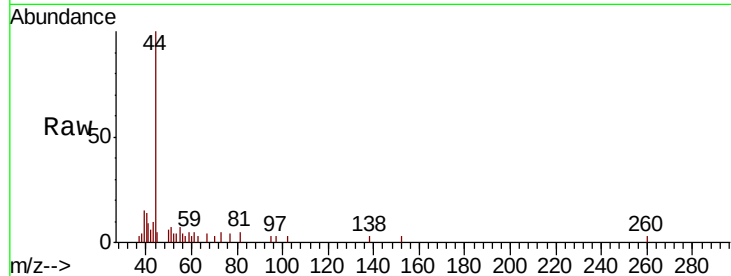


#11

Tert butyl alcohol
Concen: 30.995 ug/l
RT: 2.51 min Scan# 191
Delta R.T. -0.05 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :

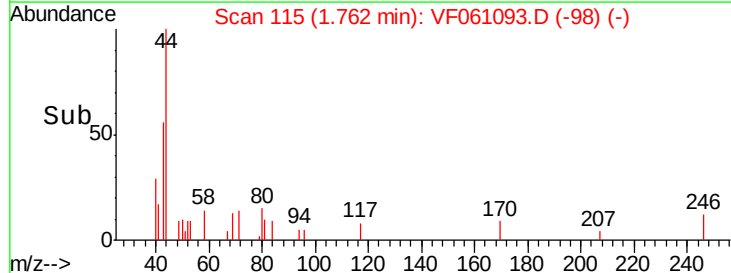
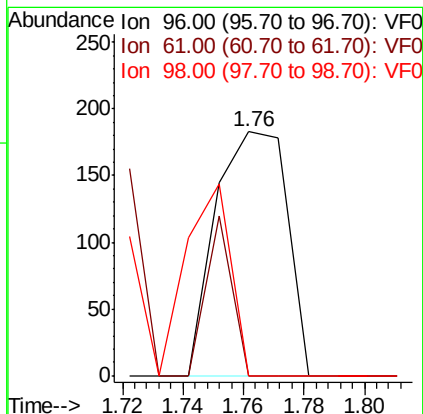
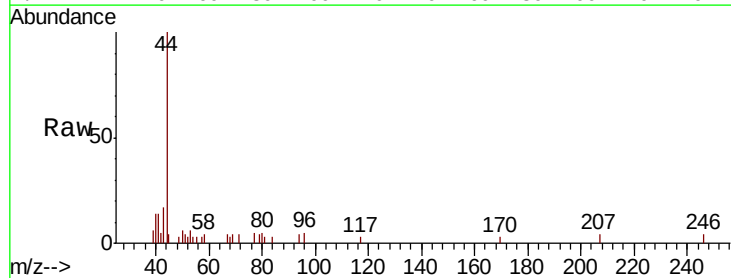
Tot Ion: 59 Resp: 111
Ion Ratio Lower Upper
59 100
57 64.4 11.5 17.3#

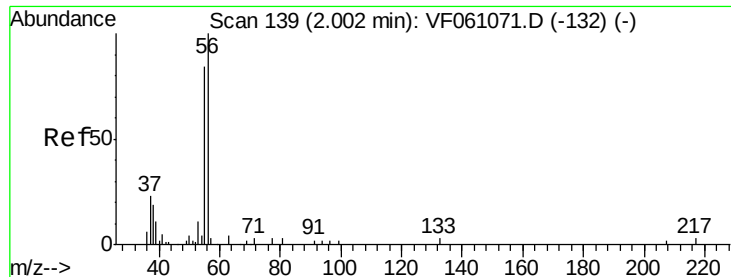


#12

1,1-Dichloroethene
Concen: 4.916 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.03 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 96 Resp: 299
Ion Ratio Lower Upper
96 100
61 0.0 182.0 273.0#
98 0.0 46.5 69.7#





#13

Acrolein

Concen: 141.819 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

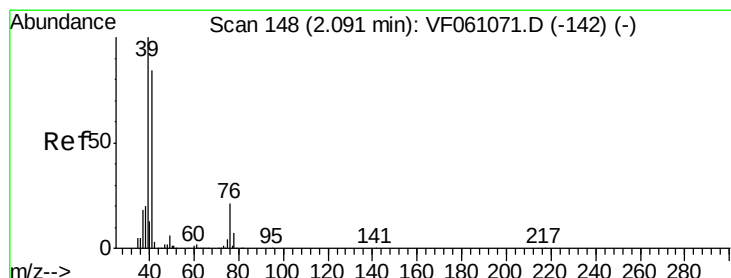
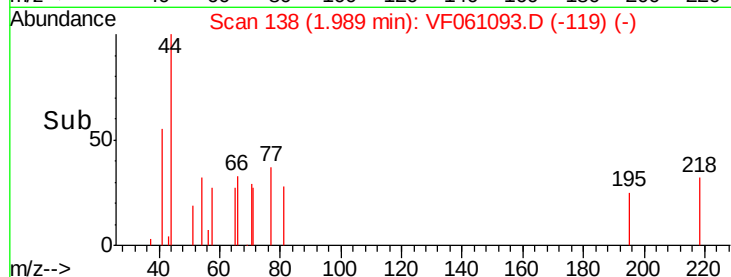
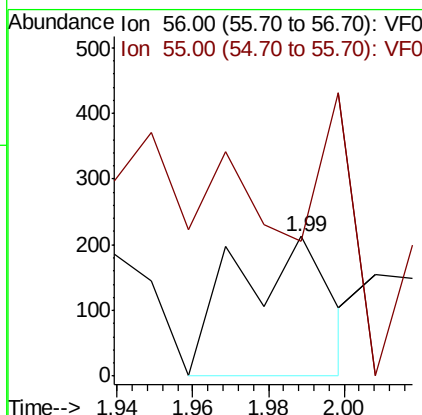
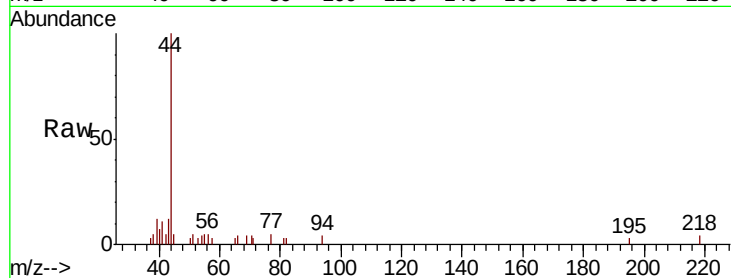
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 96.7 70.2 105.2



#14

Allyl chloride

Concen: 5.482 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

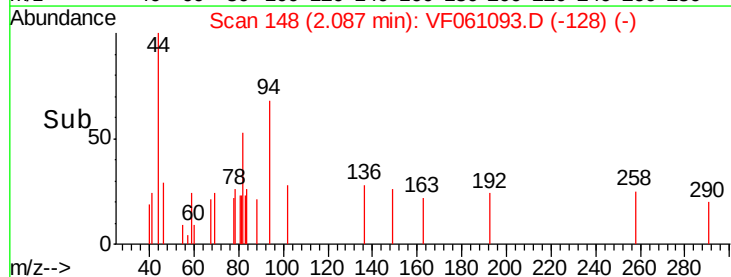
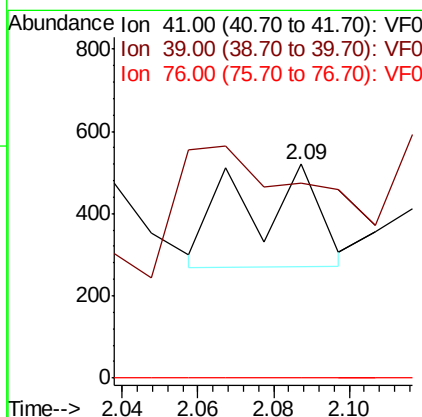
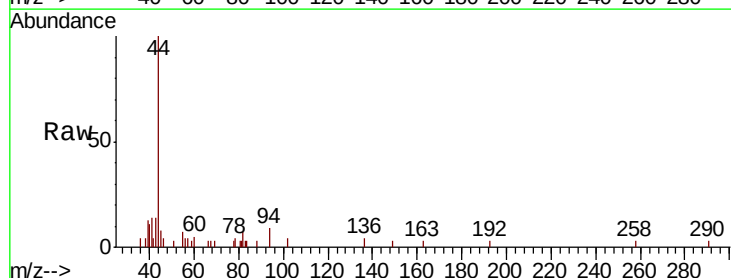
Tgt Ion: 41 Resp: 347

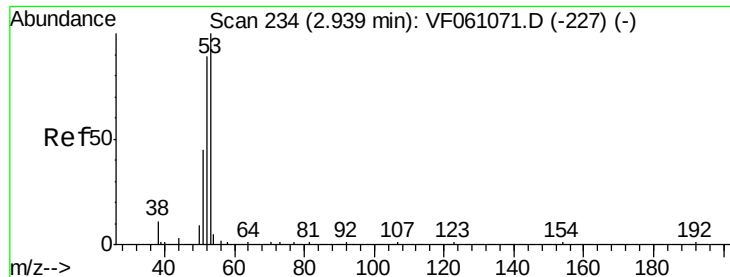
Ion Ratio Lower Upper

41 100

39 91.2 96.4 144.6#

76 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 65.932 ug/l

RT: 2.95 min Scan# 235

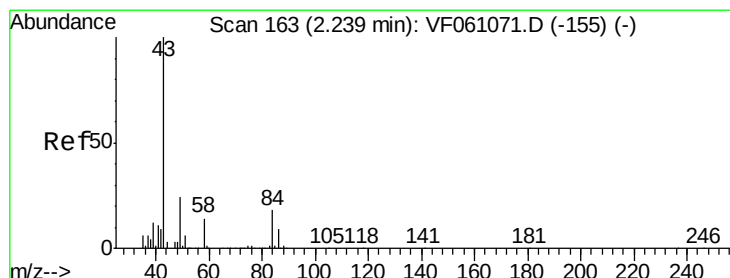
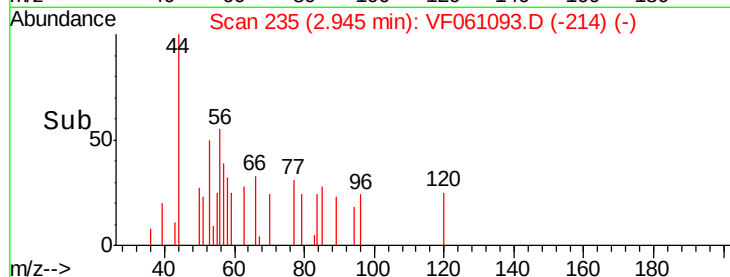
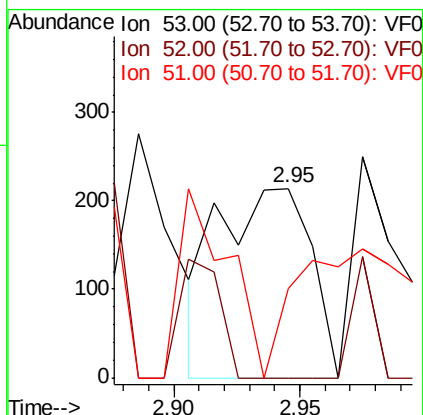
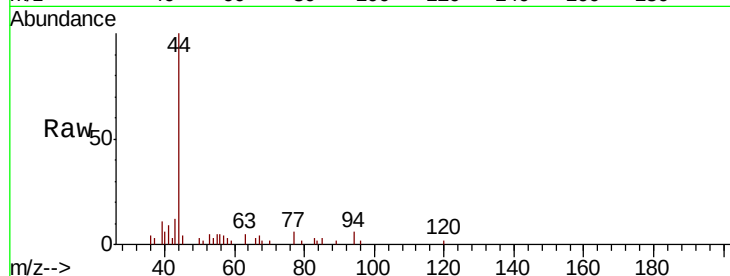
Delta R.T. 0.01 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	546
Ion	Ratio	Lower	Upper
53	100		
52	0.0	71.3	106.9#
51	46.7	36.8	55.2



#16

Acetone

Concen: 31.565 ug/l

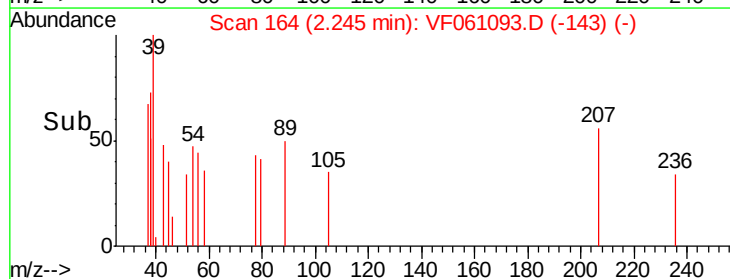
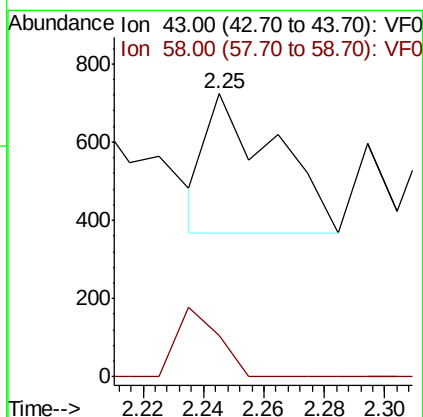
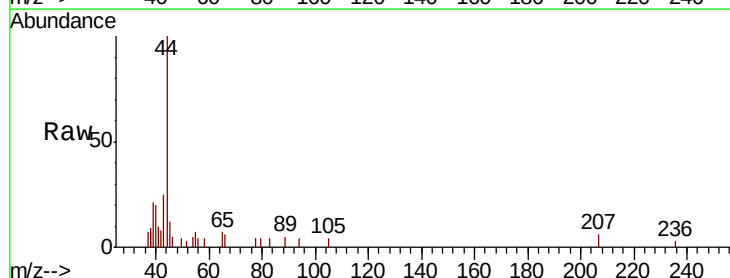
RT: 2.25 min Scan# 164

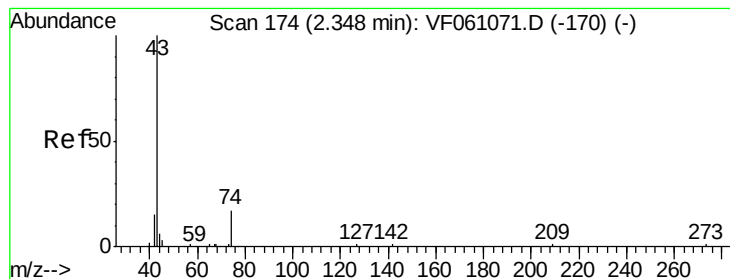
Delta R.T. 0.01 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Tgt Ion:	43	Resp:	560
Ion	Ratio	Lower	Upper
43	100		
58	14.8	11.1	16.7





#18

Methyl Acetate

Concen: 12.451 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

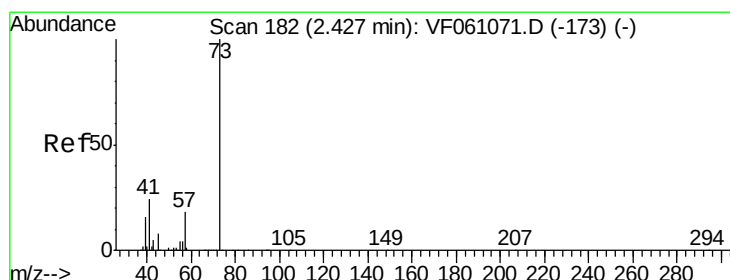
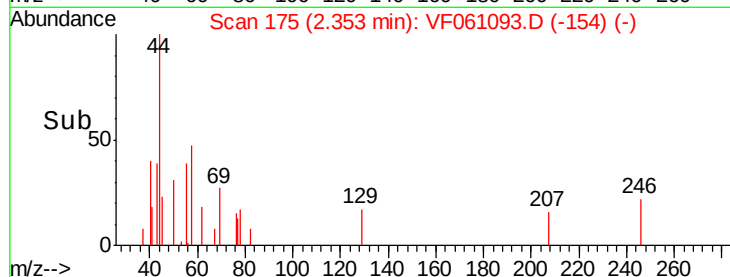
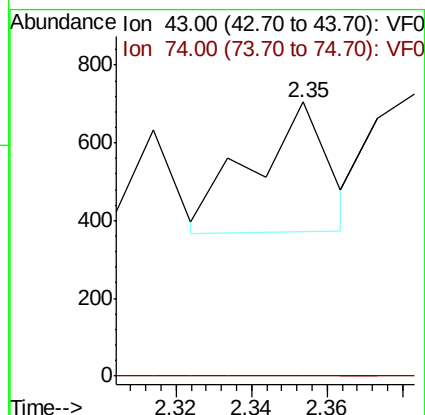
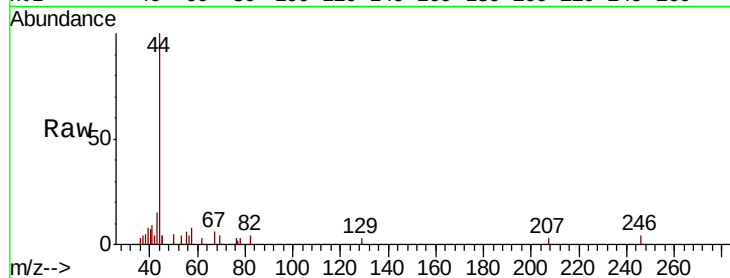
ClientSampleId :

Tot Ion: 43 Resp: 457

Ion Ratio Lower Upper

43 100

74 0.0 11.0 16.6#



#19

Methyl tert-butyl Ether

Concen: 1.155 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF061093.D

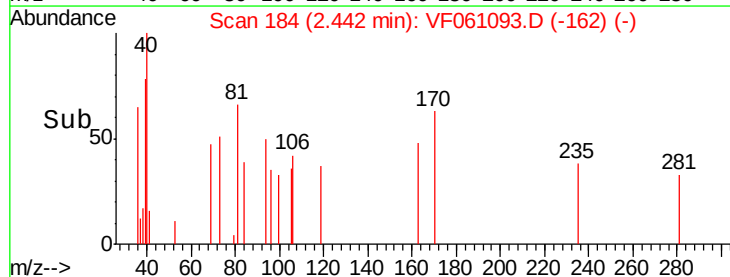
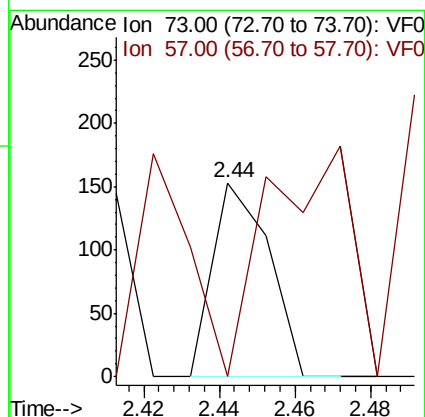
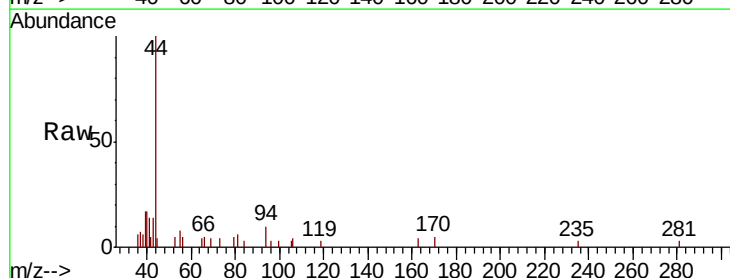
Acq: 19 Dec 2018 19:05

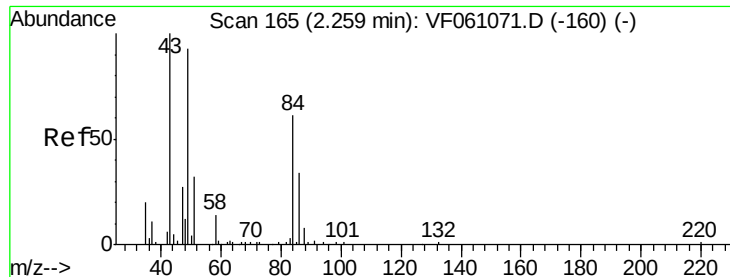
Tgt Ion: 73 Resp: 156

Ion Ratio Lower Upper

73 100

57 0.0 14.5 21.7#

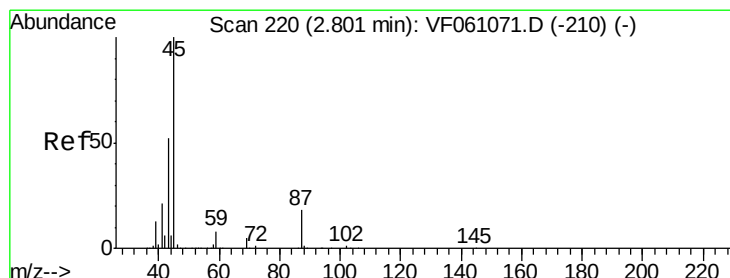
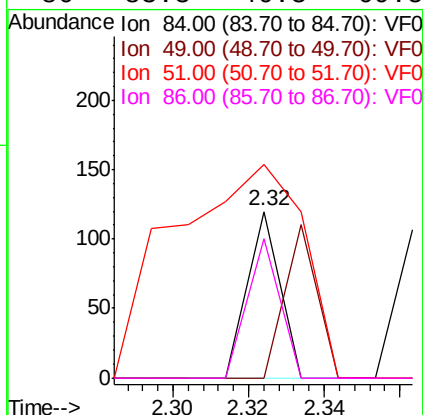
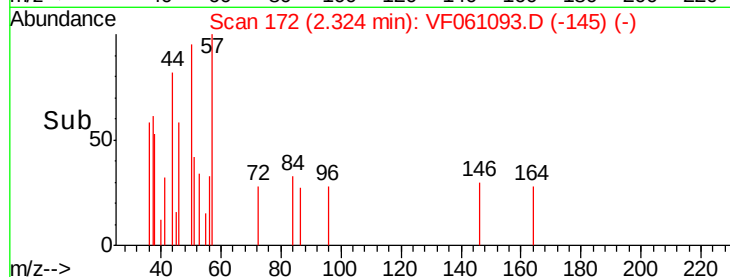
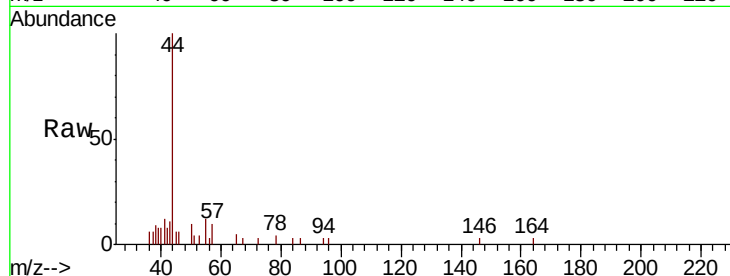




#20
Methylene Chloride
Concen: Below Cal
RT: 2.32 min Scan# 172
Delta R.T. 0.07 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

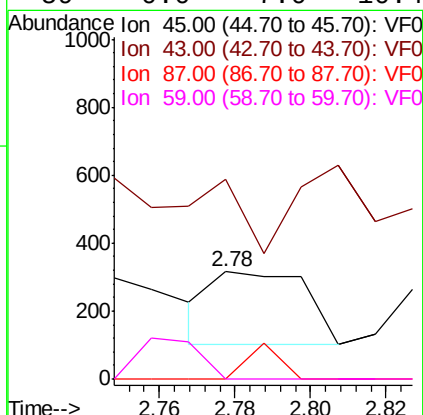
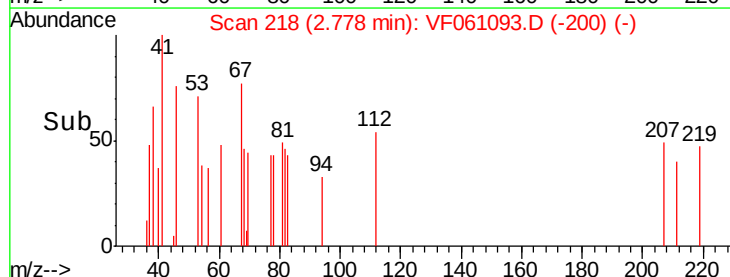
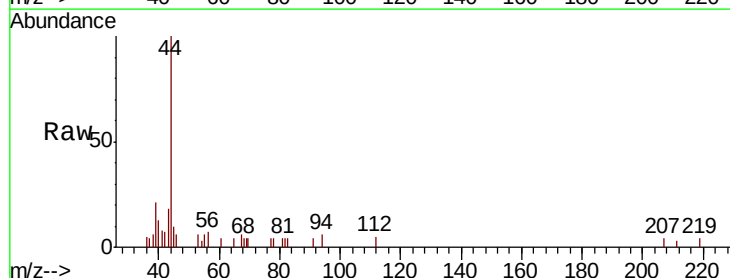
Instrument :
MSVOA_F
ClientSampleId :

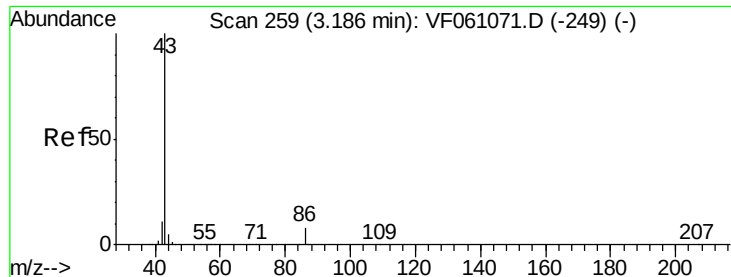
Tot Ion: 84 Resp: 71
Ion Ratio Lower Upper
84 100
49 0.0 129.4 194.2#
51 128.3 44.0 66.0#
86 83.3 46.3 69.5#



#22
Diisopropyl ether
Concen: 1.722 ug/l
RT: 2.78 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 45 Resp: 363
Ion Ratio Lower Upper
45 100
43 186.0 42.2 63.2#
87 0.0 14.6 22.0#
59 0.0 7.0 10.4#





#23

Vinyl Acetate

Concen: 2.653 ug/l

RT: 3.20 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

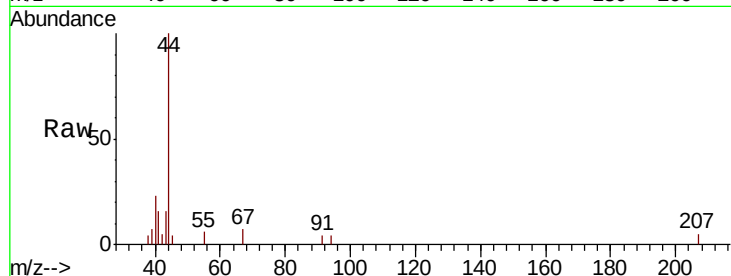
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 258

Ion Ratio Lower Upper

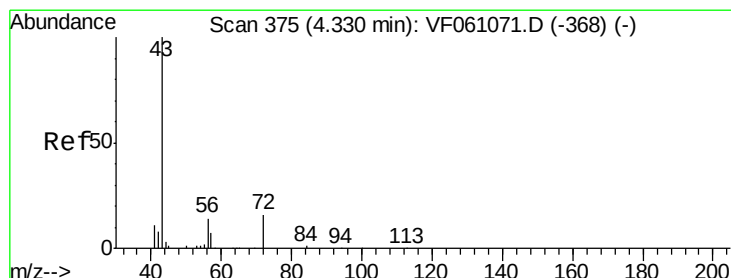
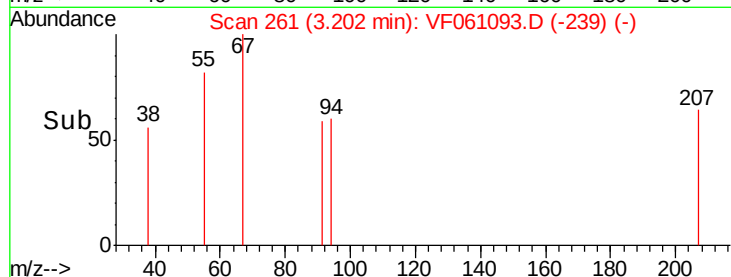
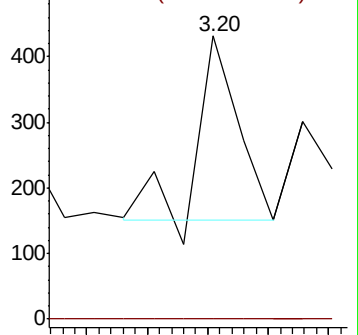
43 100

86 0.0 6.3 9.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 6.047 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.04 min

Lab File: VF061093.D

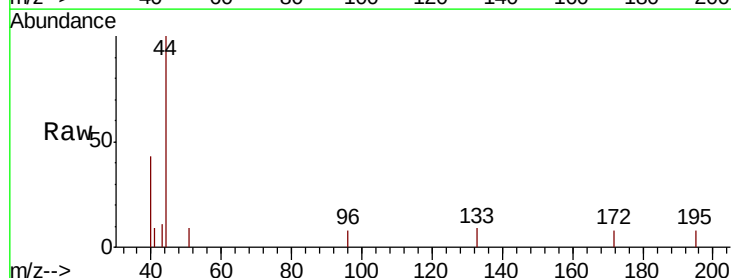
Acq: 19 Dec 2018 19:05

Tgt Ion: 43 Resp: 174

Ion Ratio Lower Upper

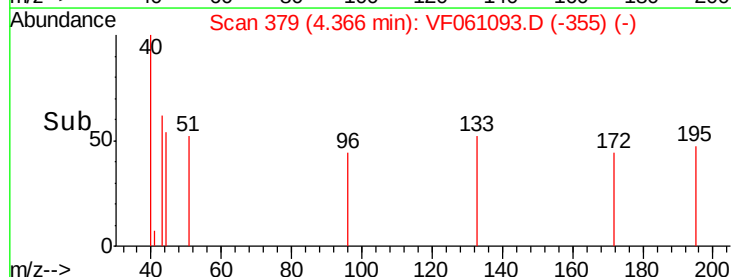
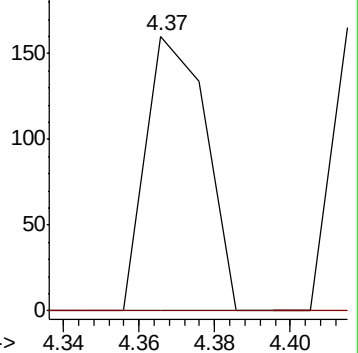
43 100

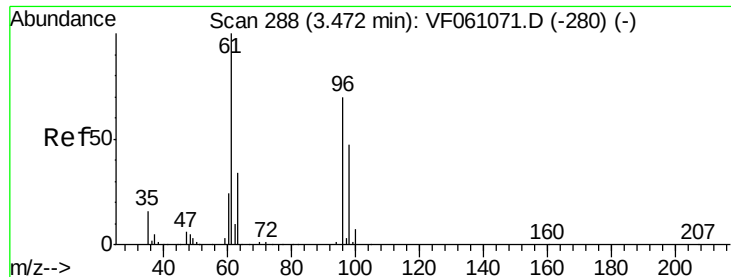
72 0.0 15.6 23.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



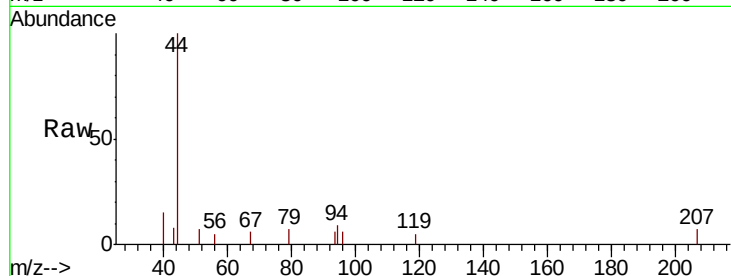


#27

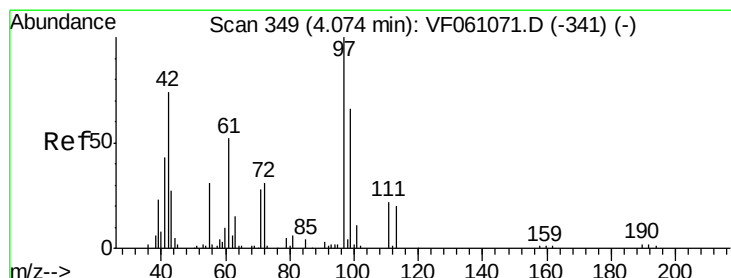
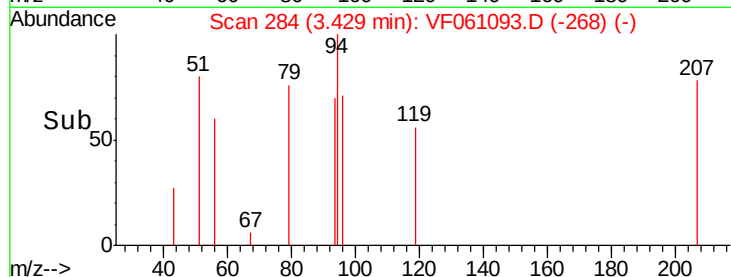
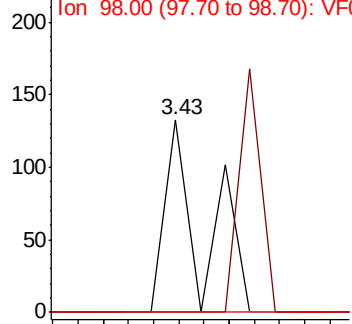
cis-1,2-Dichloroethene
Concen: 1.396 ug/l
RT: 3.43 min Scan# 284
Delta R.T. -0.04 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	287.8
98	0.0	0.0	134.2



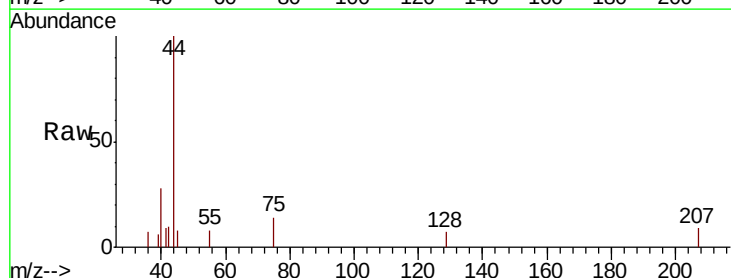
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



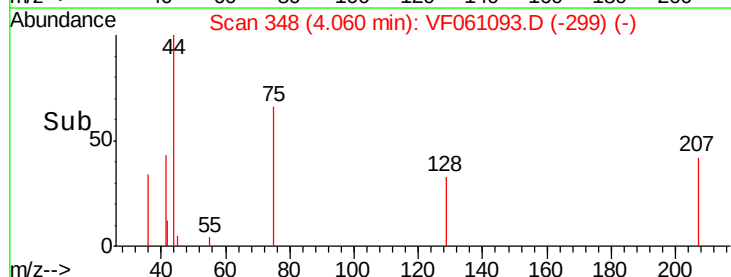
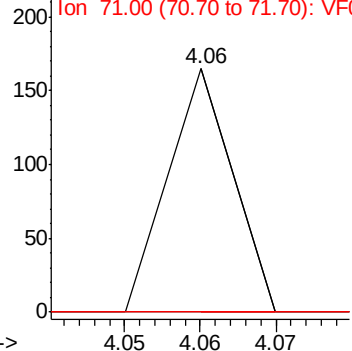
#29

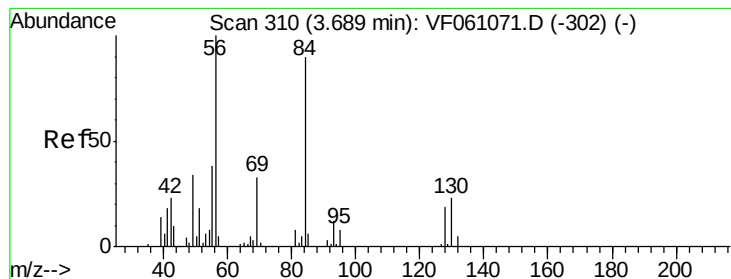
Tetrahydrofuran
Concen: 8.368 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	29.7	44.5#



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





#31

Cyclohexane

Concen: 1.149 ug/l

RT: 3.70 min Scan# 312

Delta R.T. 0.02 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :

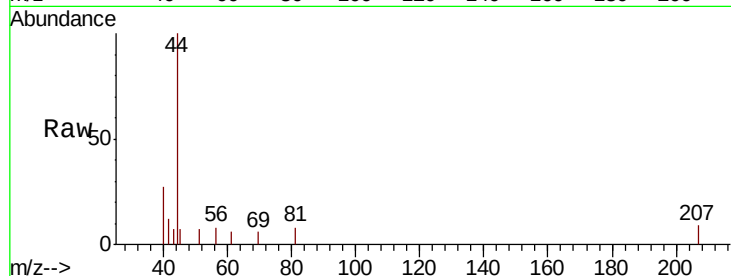
Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

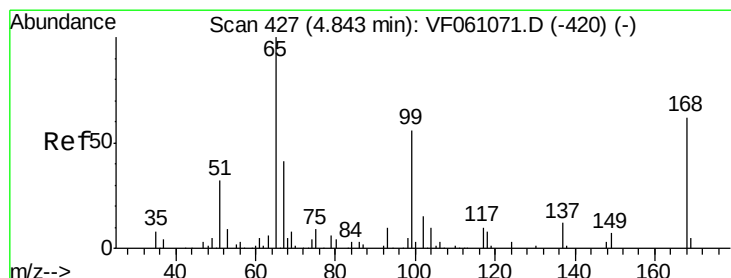
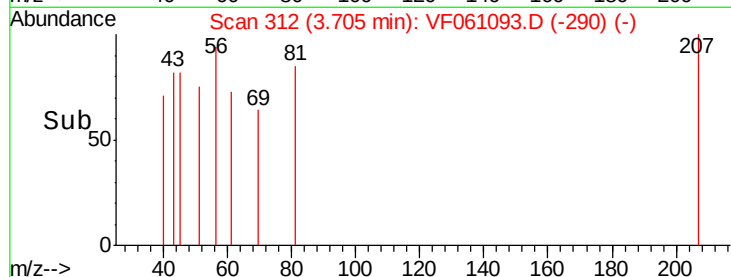
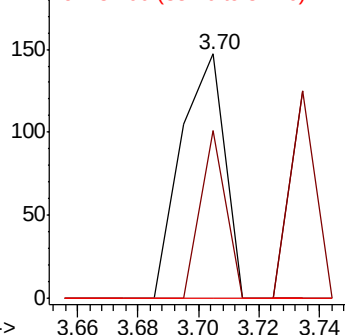
56 100

69 68.7 26.0 39.0#

84 0.0 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 12.226 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061093.D

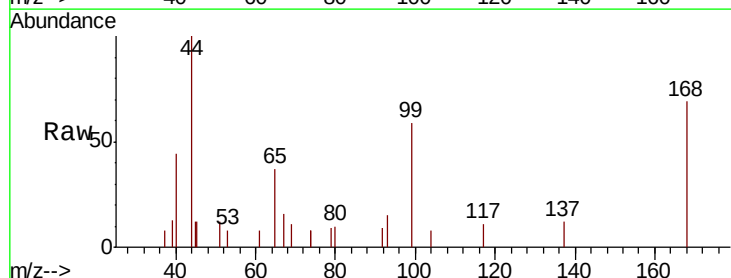
Acq: 19 Dec 2018 19:05

Tgt Ion: 65 Resp: 1085

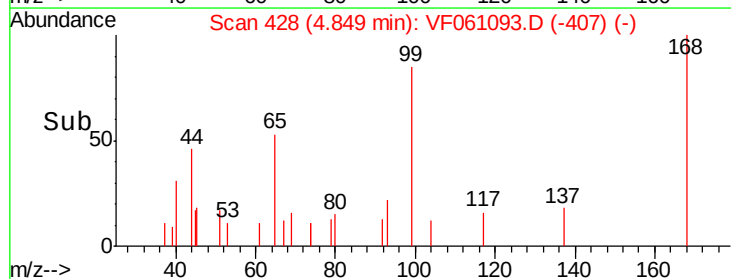
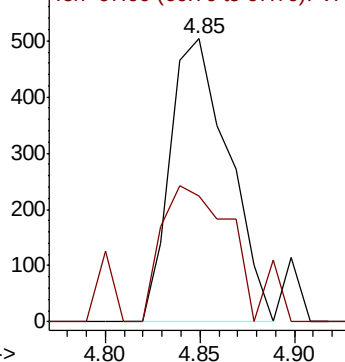
Ion Ratio Lower Upper

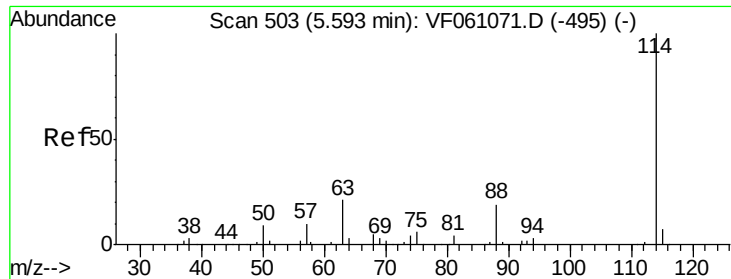
65 100

67 44.7 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

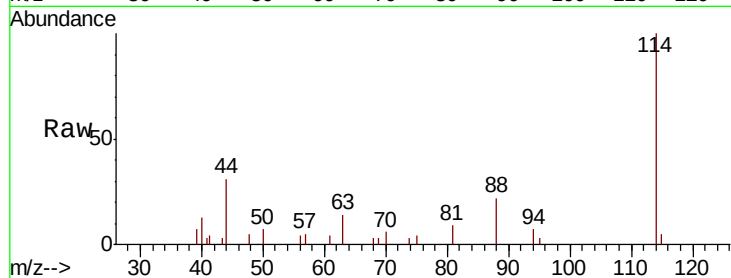




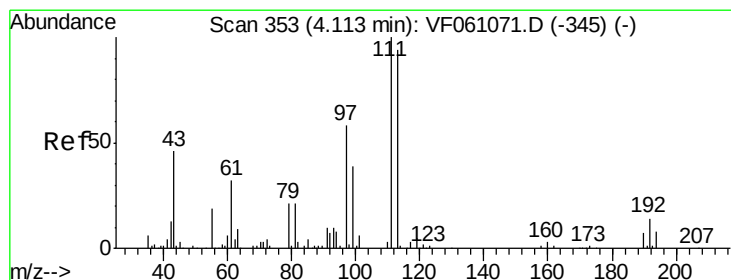
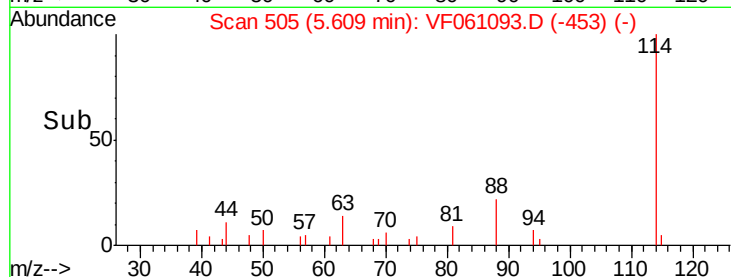
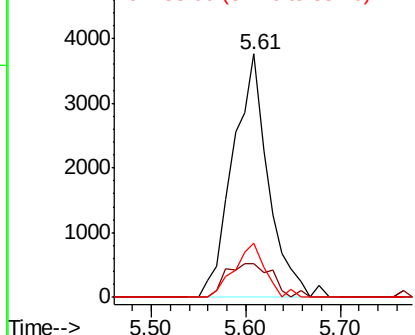
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF061093.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114 Resp: 9763
 Ion Ratio Lower Upper
 114 100
 63 13.9 0.0 41.6
 88 22.3 0.0 38.0

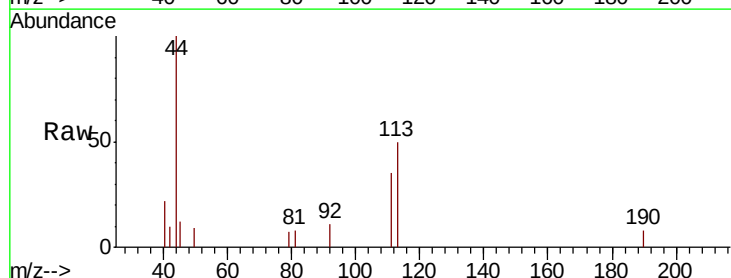


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

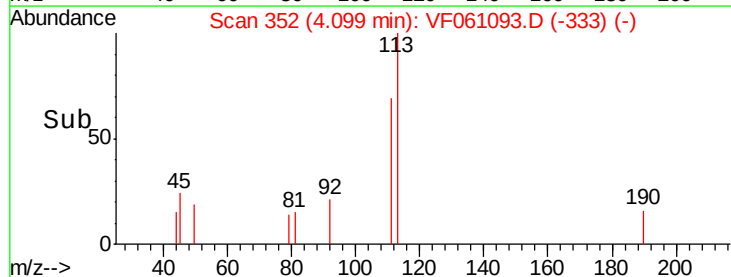
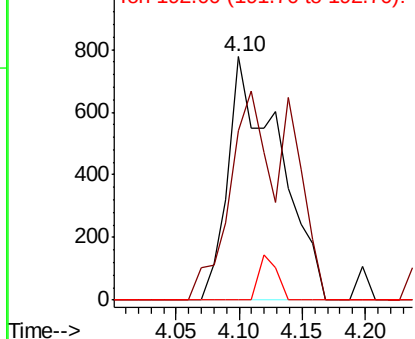


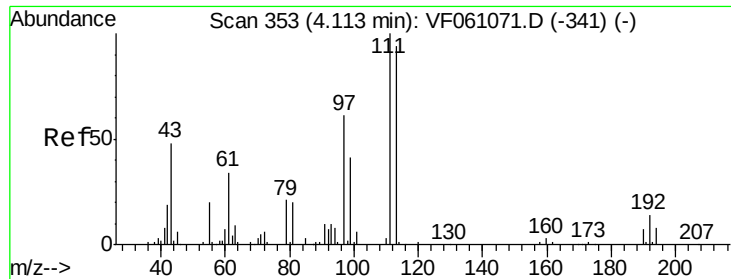
#35
 Dibromofluoromethane
 Concen: 27.977 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061093.D
 Acq: 19 Dec 2018 19:05

Tgt Ion:113 Resp: 2188
 Ion Ratio Lower Upper
 113 100
 111 69.5 85.2 127.8#
 192 0.0 12.8 19.2#



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

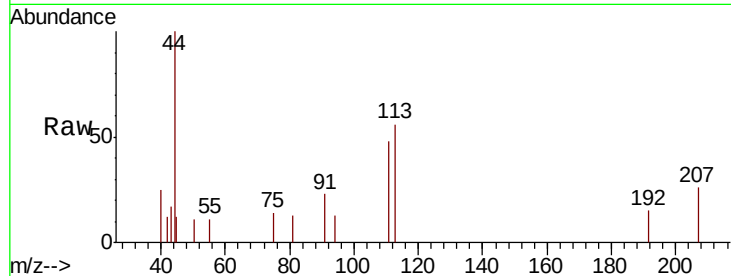




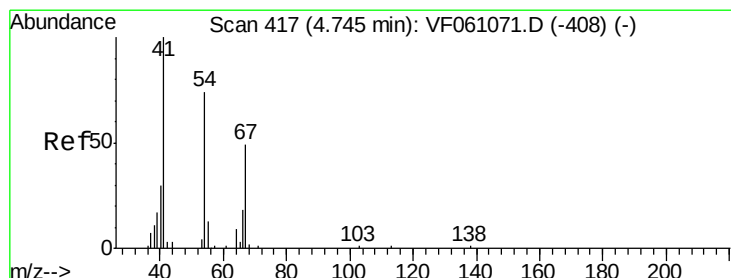
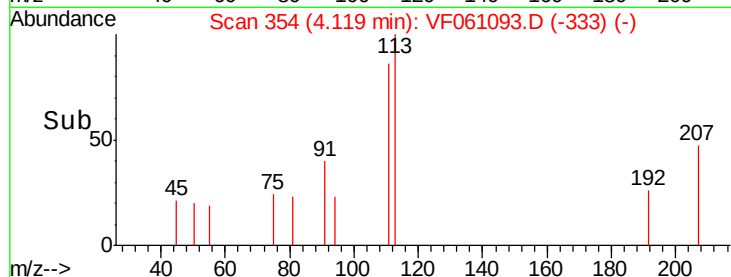
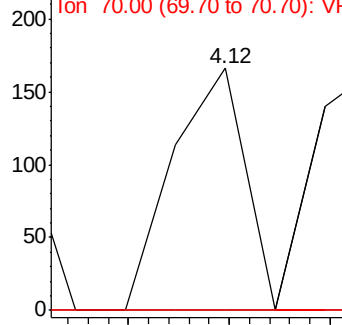
#37
Ethyl Acetate
Concen: 2.971 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
61 0.0 56.6 84.8#
70 0.0 6.3 9.5#

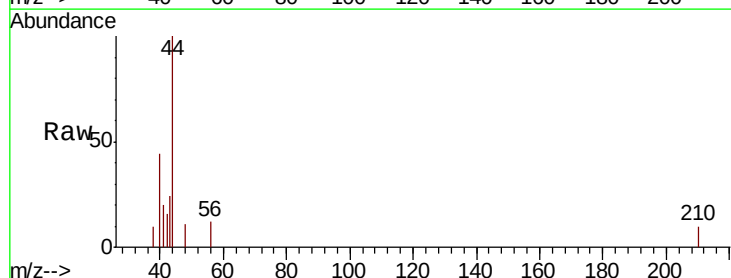


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

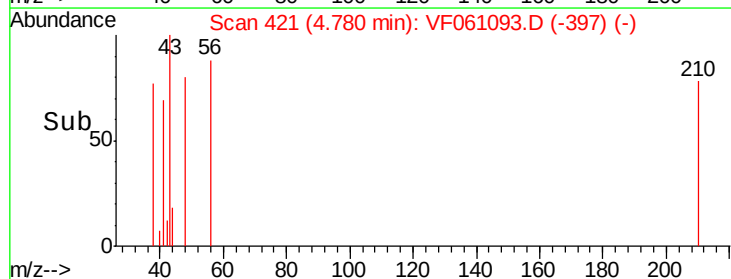
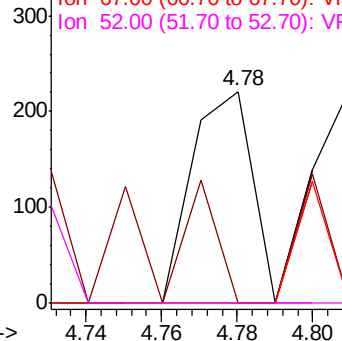


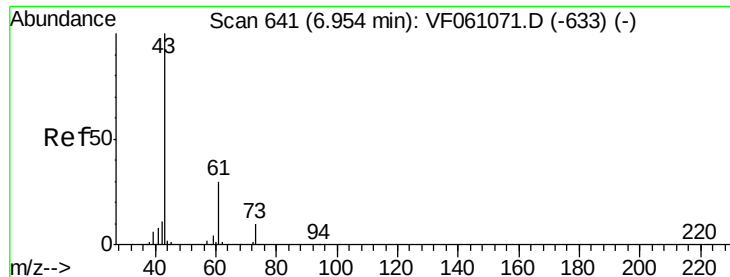
#41
Methacrylonitrile
Concen: 9.804 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.04 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 41 Resp: 244
Ion Ratio Lower Upper
41 100
39 0.0 45.7 68.5#
67 0.0 38.9 58.3#
52 0.0 35.2 52.8#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 4.376 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

ClientSampled :

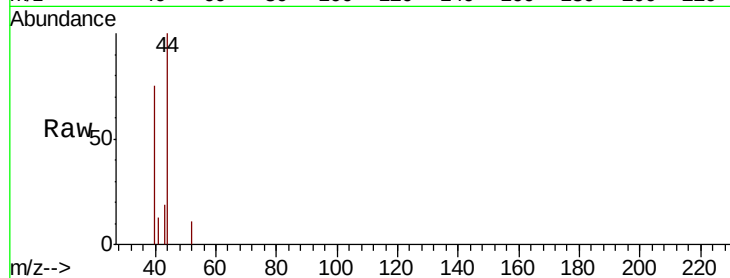
Tot Ion: 43 Resp: 249

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

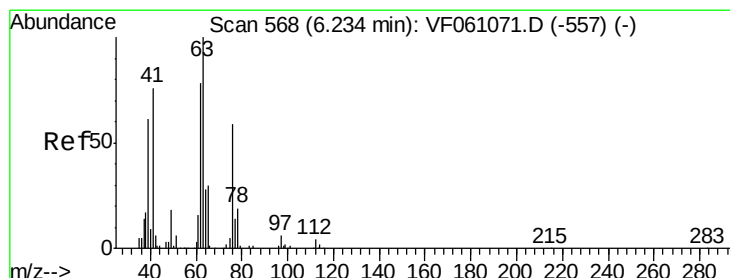
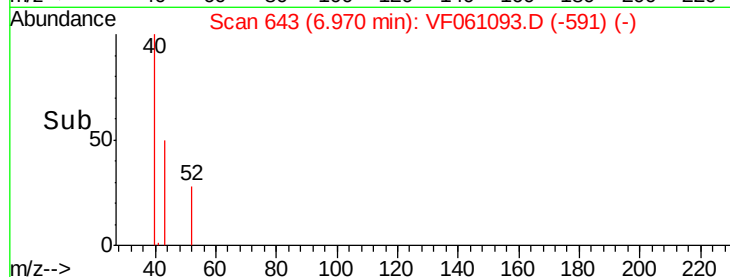
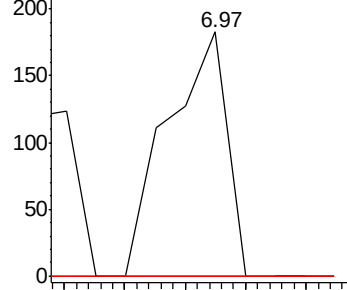
87 0.0 0.0 0.0



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



#45

1,2-Dichloropropane

Concen: 1.987 ug/l

RT: 6.29 min Scan# 574

Delta R.T. 0.06 min

Lab File: VF061093.D

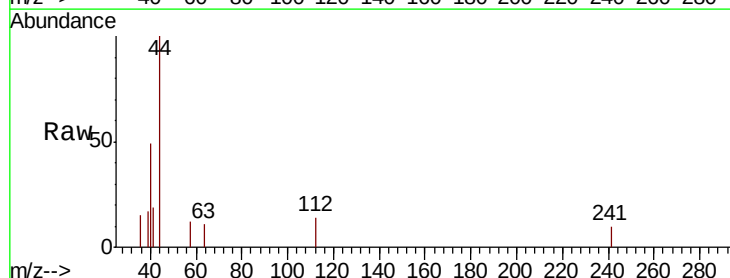
Acq: 19 Dec 2018 19:05

Tgt Ion: 63 Resp: 137

Ion Ratio Lower Upper

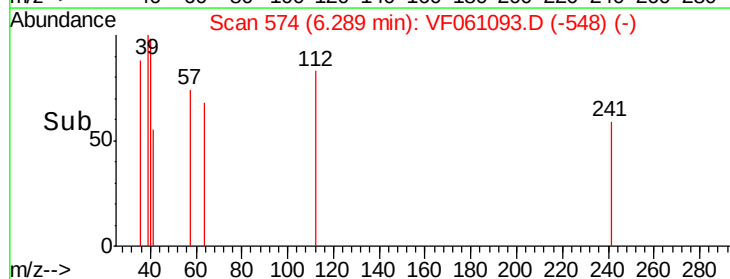
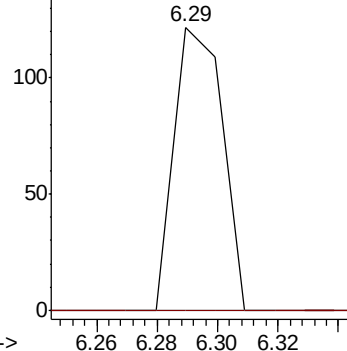
63 100

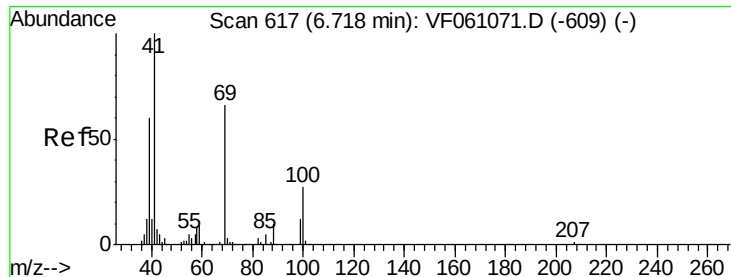
65 0.0 24.4 36.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

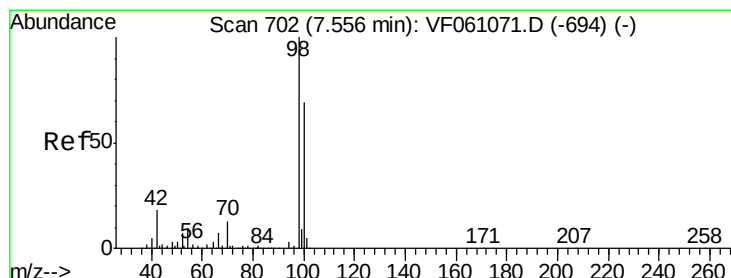
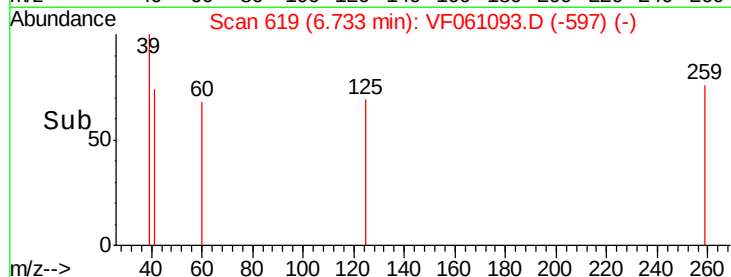
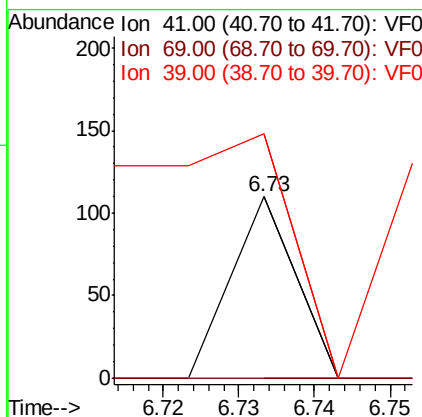
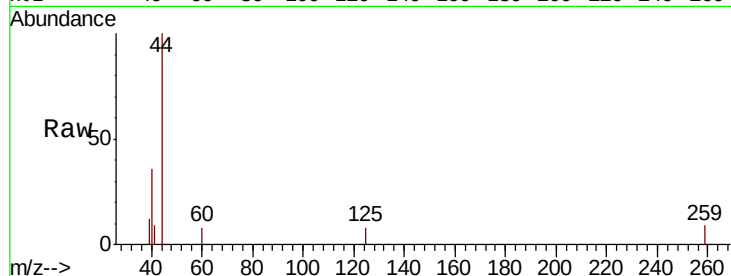




#48
Methvl methacrylate
Concen: 1.636 ug/l
RT: 6.73 min Scan# 619
Delta R.T. 0.02 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

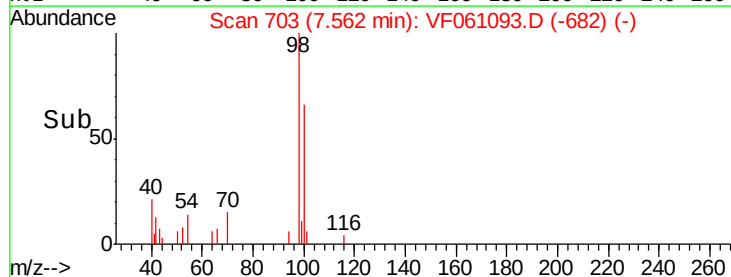
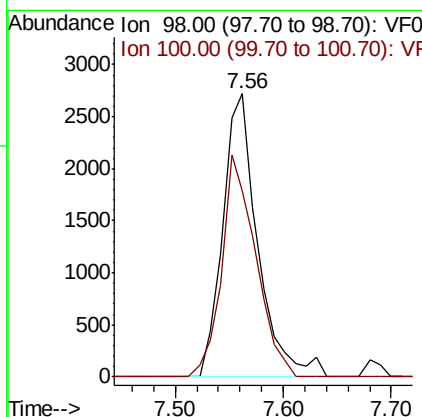
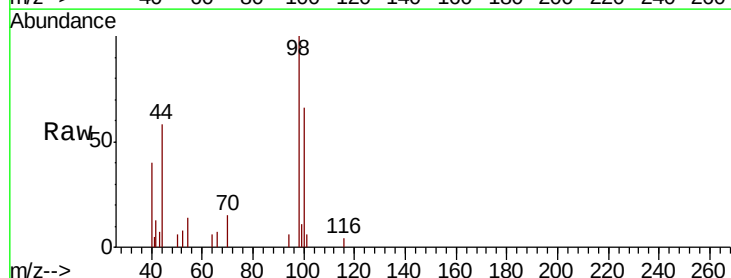
Instrument :
MSVOA_F
ClientSampleId :

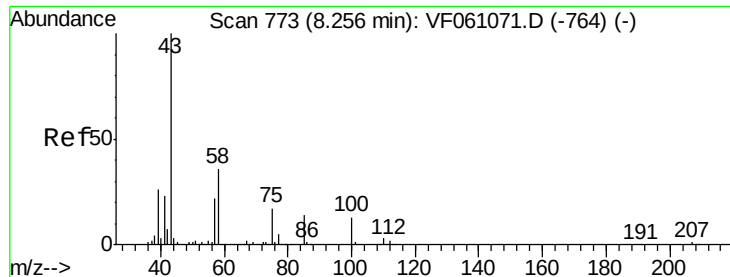
Tot Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
69 0.0 52.7 79.1#
39 134.5 47.8 71.6#



#50
Toluene-d8
Concen: 27.550 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 98 Resp: 6106
Ion Ratio Lower Upper
98 100
100 65.8 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 2.870 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

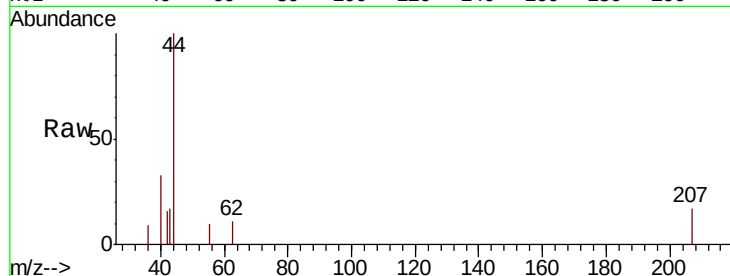
ClientSampleId :

Tot Ion: 43 Resp: 112

Ion Ratio Lower Upper

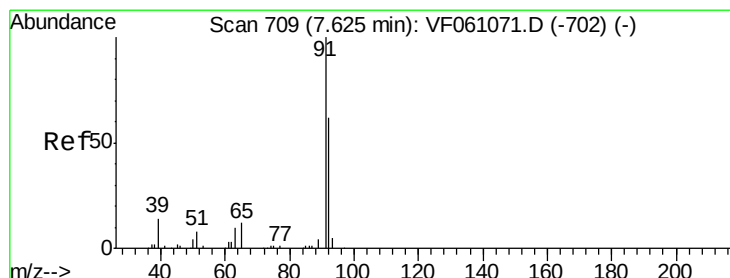
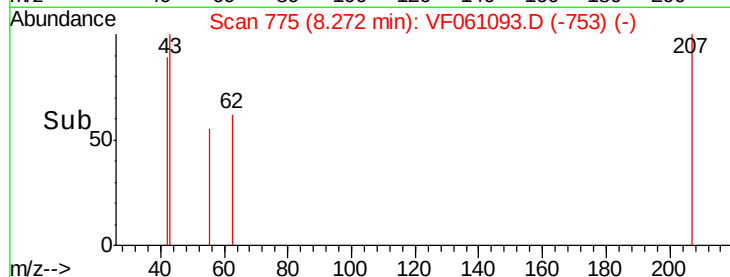
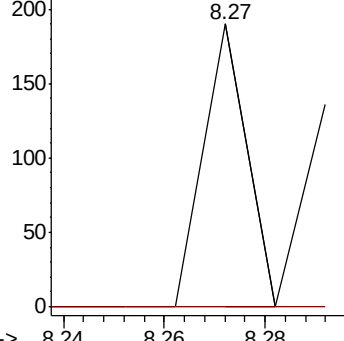
43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 1.502 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061093.D

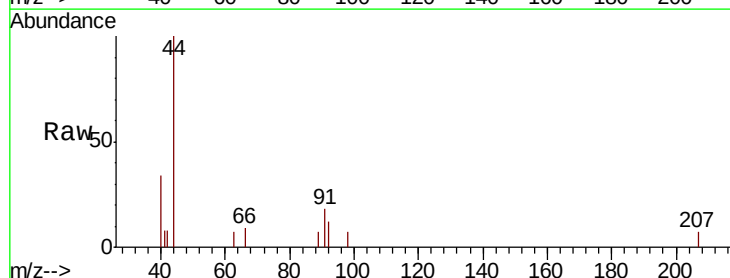
Acq: 19 Dec 2018 19:05

Tgt Ion: 92 Resp: 252

Ion Ratio Lower Upper

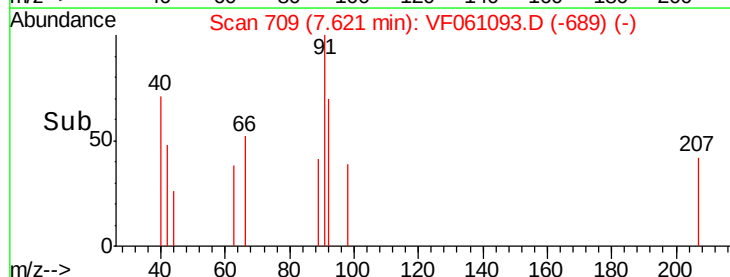
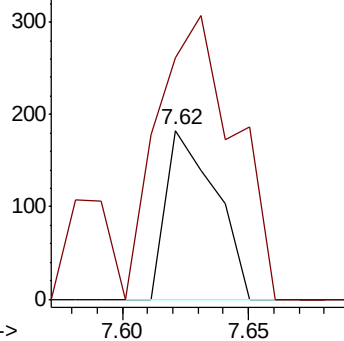
92 100

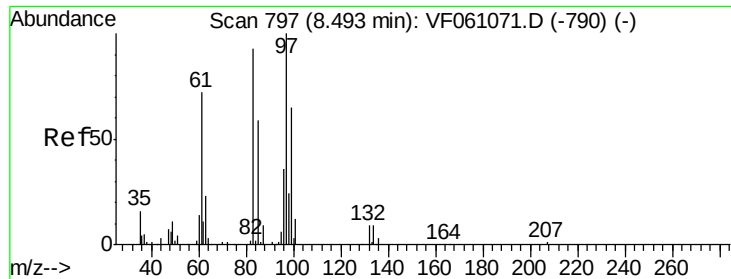
91 143.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

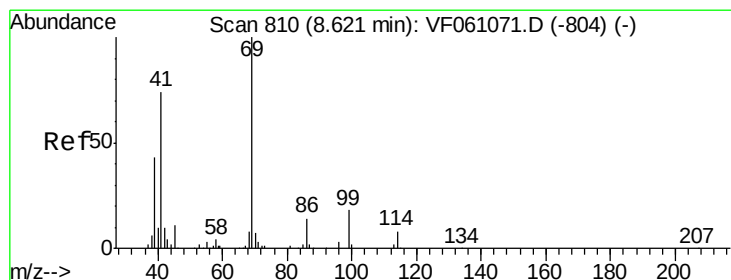
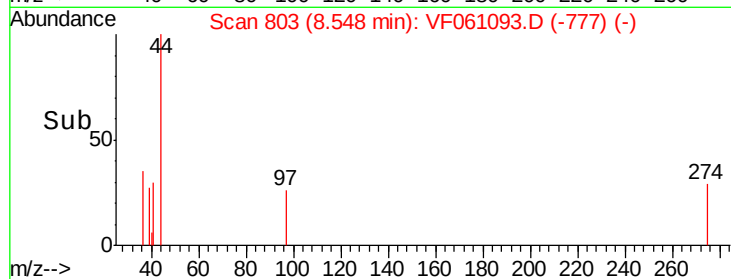
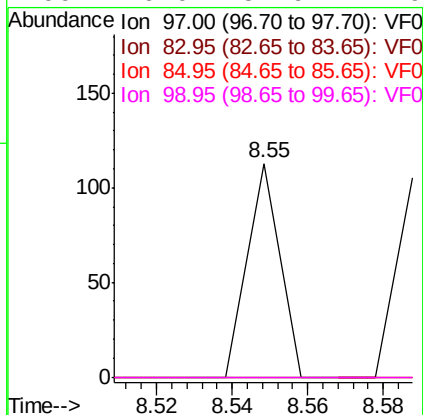
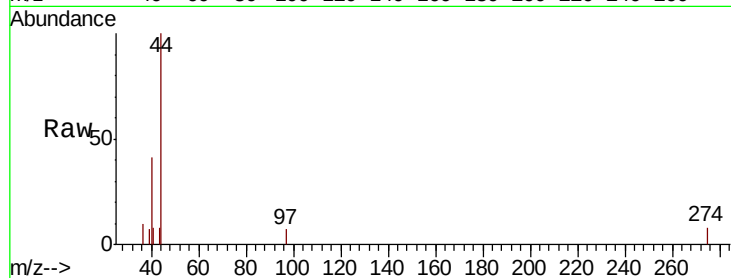




#55
 1,1,2-Trichloroethane
 Concen: 1.332 ug/l
 RT: 8.55 min Scan# 803
 Delta R.T. 0.06 min
 Lab File: VF061093.D
 Acq: 19 Dec 2018 19:05

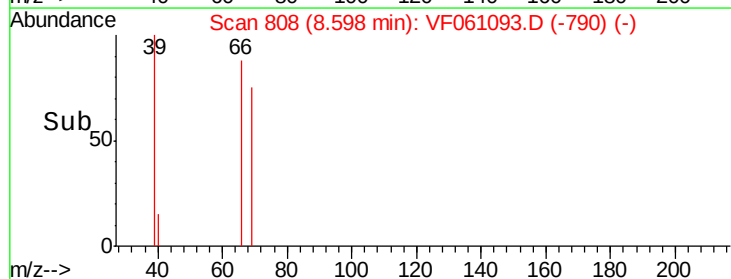
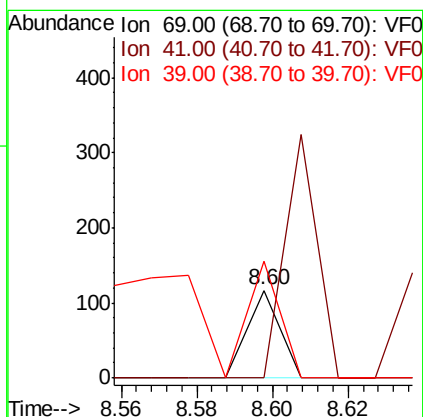
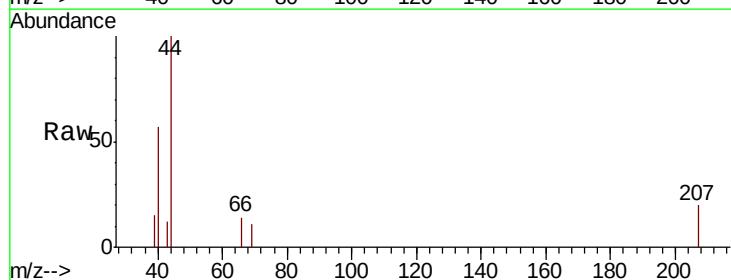
Instrument :
 MSVOA_F
 ClientSampleId :

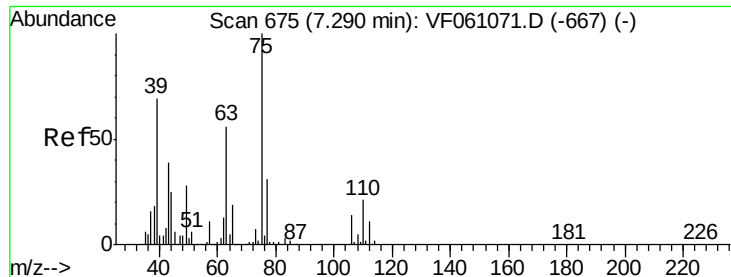
Tot Ion:	97	Resp:	67
Ion	Ratio	Lower	Upper
97	100		
83	0.0	75.0	112.4#
85	0.0	47.5	71.3#
99	0.0	51.9	77.9#



#56
 Ethyl methacrylate
 Concen: 1.268 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: VF061093.D
 Acq: 19 Dec 2018 19:05

Tgt Ion:	69	Resp:	69
Ion	Ratio	Lower	Upper
69	100		
41	0.0	59.7	89.5#
39	133.3	35.0	52.6#





#58

2-Chloroethyl Vinyl ether

Concen: 7.559 ug/l

RT: 7.35 min Scan# 682

Delta R.T. 0.07 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

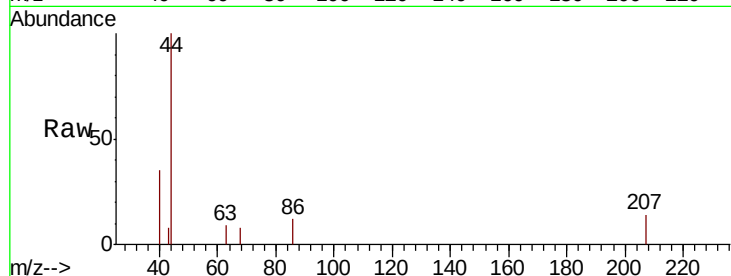
ClientSampleId :

Tot Ion: 63 Resp: 79

Ion Ratio Lower Upper

63 100

106 0.0 19.8 29.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.35

150

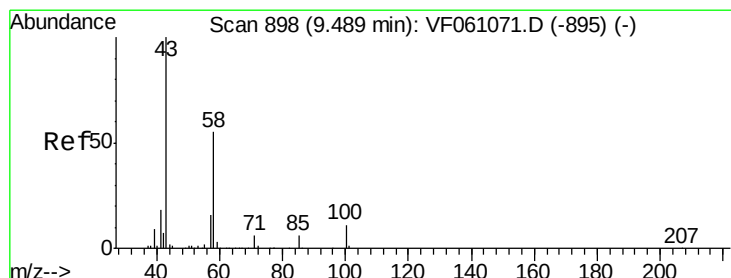
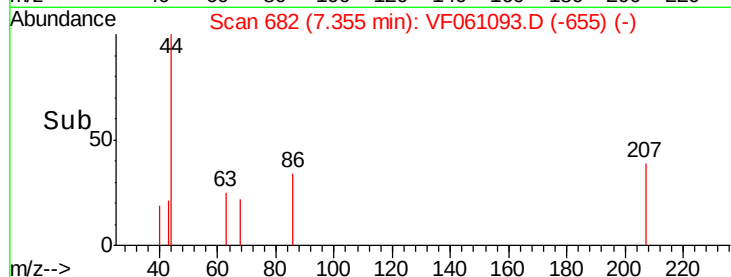
100

50

0

7.32 7.34 7.36 7.38

Time-->



#59

2-Hexanone

Concen: 6.095 ug/l

RT: 9.54 min Scan# 904

Delta R.T. 0.06 min

Lab File: VF061093.D

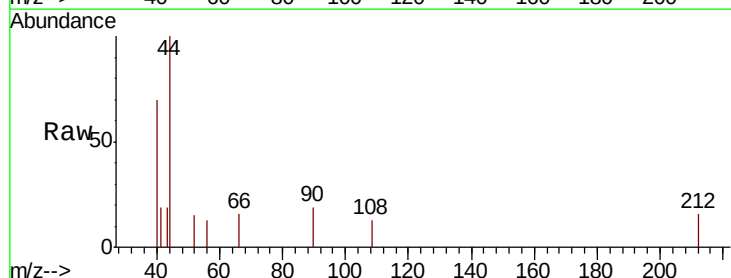
Acq: 19 Dec 2018 19:05

Tgt Ion: 43 Resp: 172

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.54

150

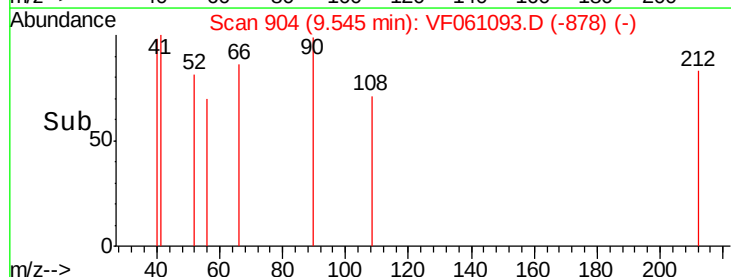
100

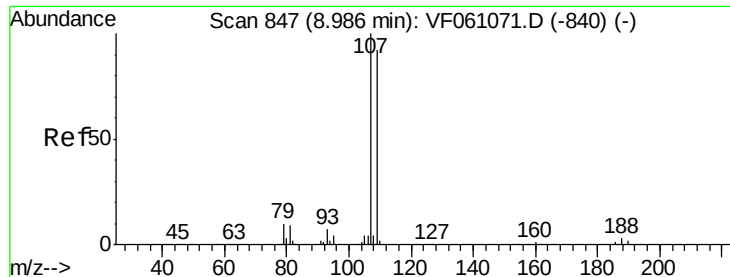
50

0

9.52 9.54 9.56 9.58

Time-->





#61

1,2-Dibromoethane

Concen: 1.117 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.03 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

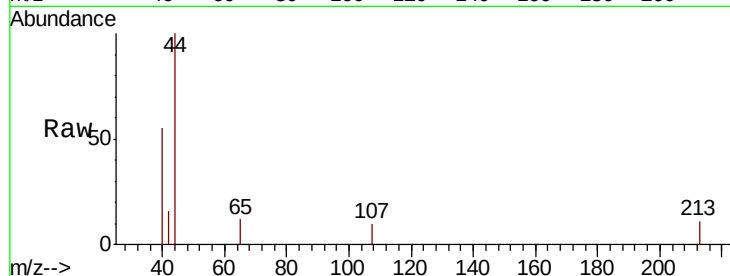
ClientSampled :

Tot Ion:107 Resp: 60

Ion Ratio Lower Upper

107 100

109 0.0 73.7 110.5#

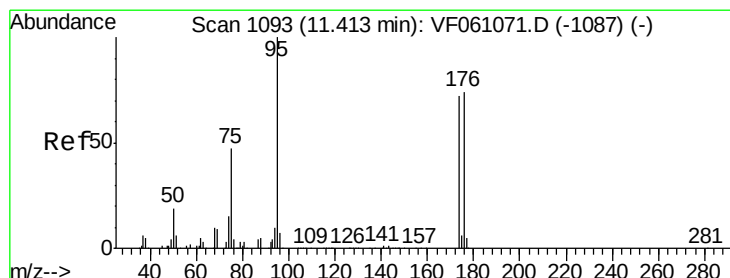
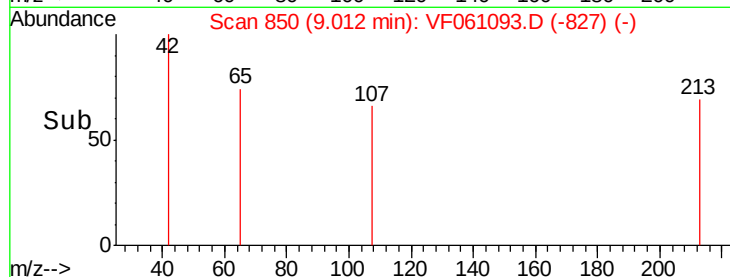


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 15.562 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

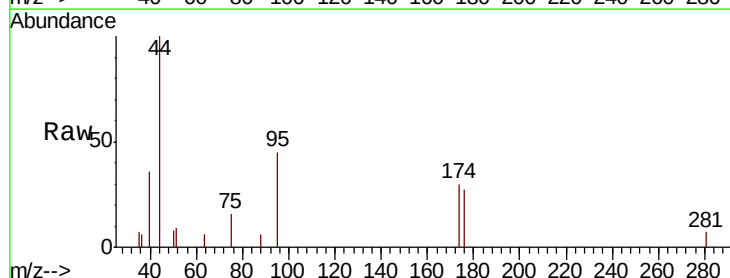
Tgt Ion: 95 Resp: 1590

Ion Ratio Lower Upper

95 100

174 68.0 0.0 143.8

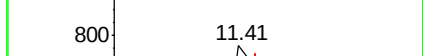
176 61.1 0.0 147.6



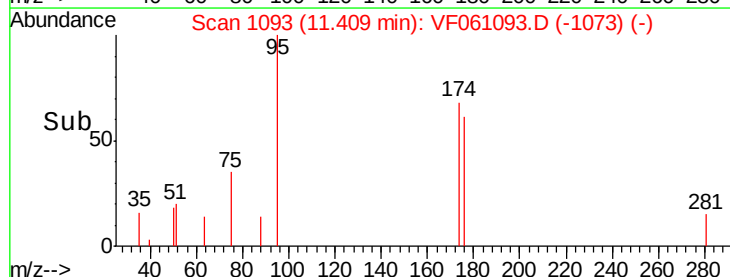
Abundance Ion 95.00 (94.70 to 95.70): VF0

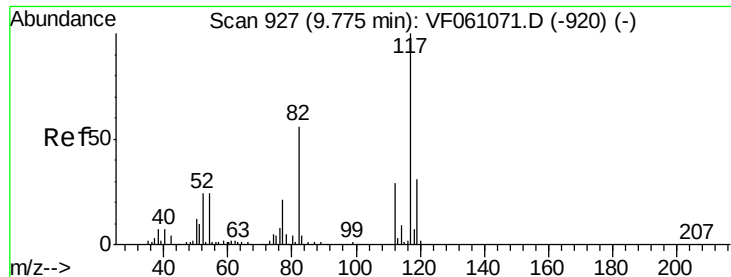
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

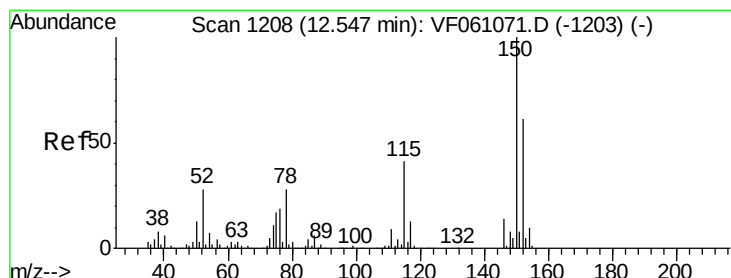
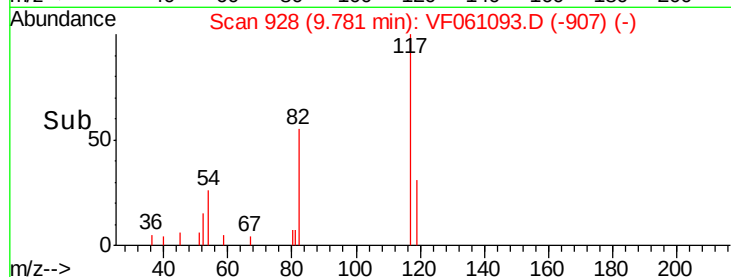
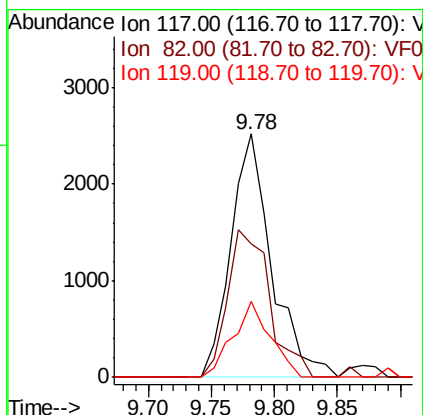
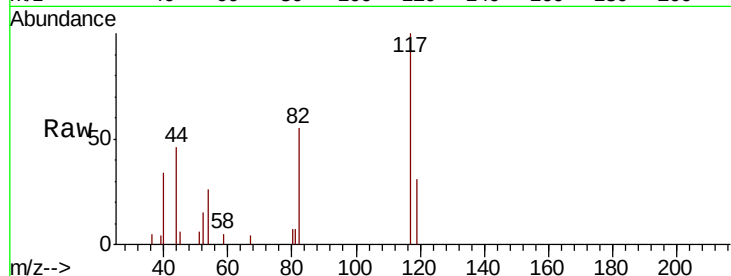




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

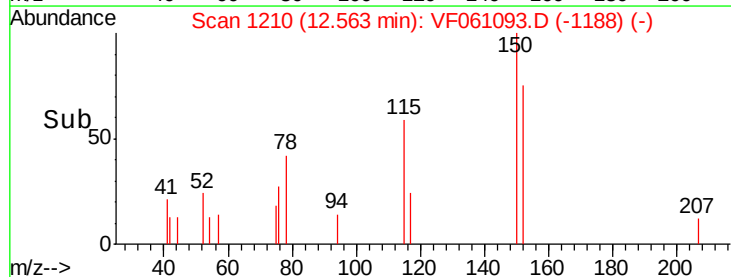
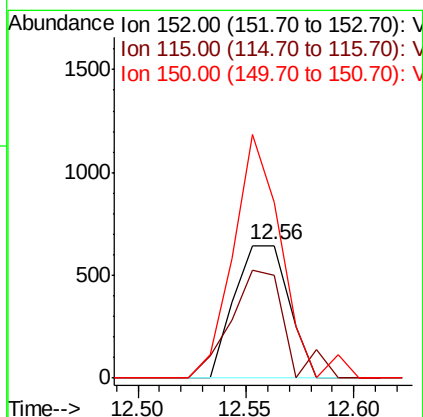
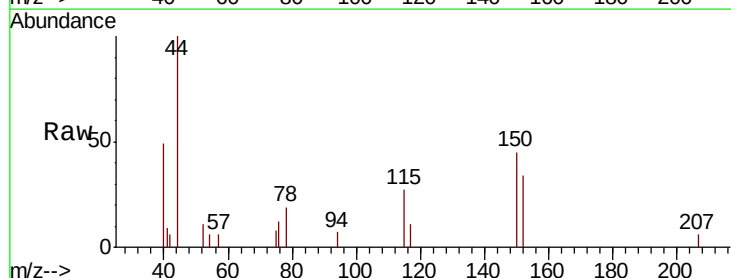
Instrument :
MSVOA_F
ClientSampleId :

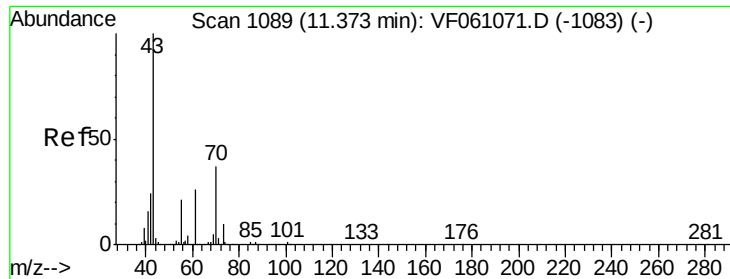
Tot Ion:117 Resp: 5625
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 31.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061093.D
Acq: 19 Dec 2018 19:05

Tgt Ion:152 Resp: 1129
Ion Ratio Lower Upper
152 100
115 78.1 33.3 99.9
150 133.3 0.0 328.2





#74

N-amvl acetate

Concen: 14.259 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 308

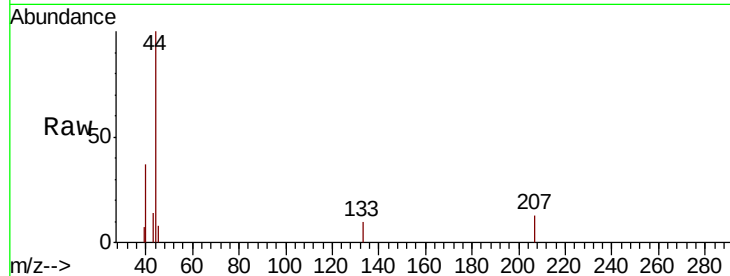
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 0.0 16.5 24.7#

61 0.0 20.7 31.1#

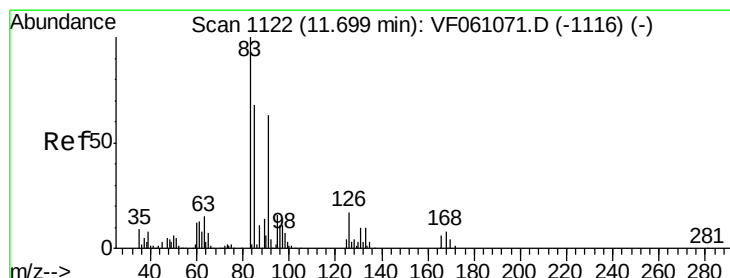
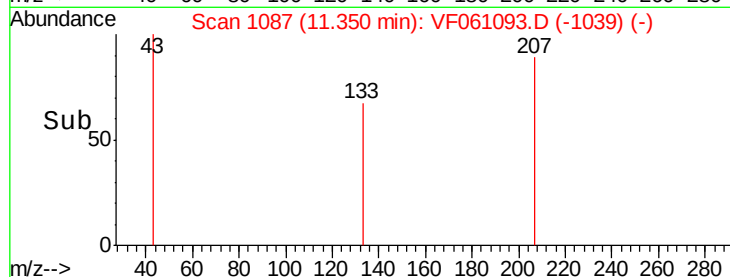
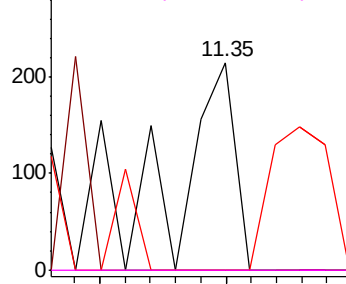


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 3.902 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.12 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

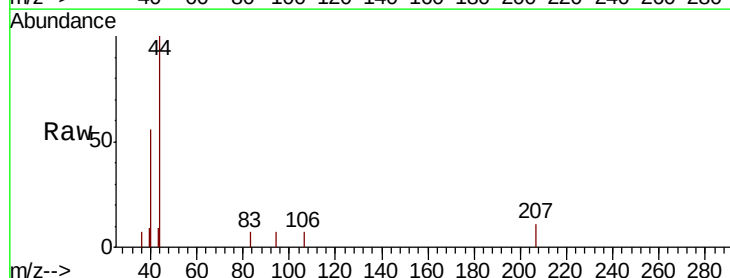
Tgt Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

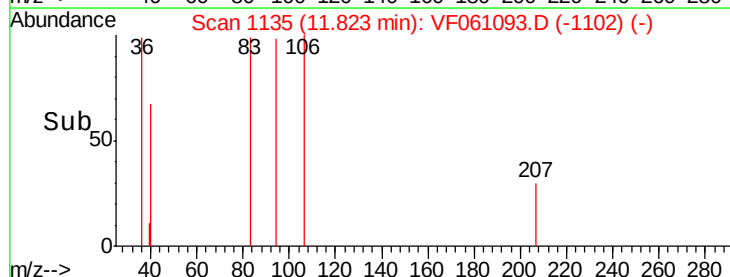
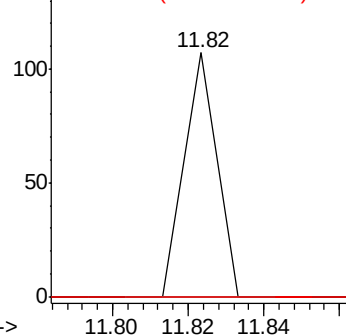
85 0.0 33.9 101.6#

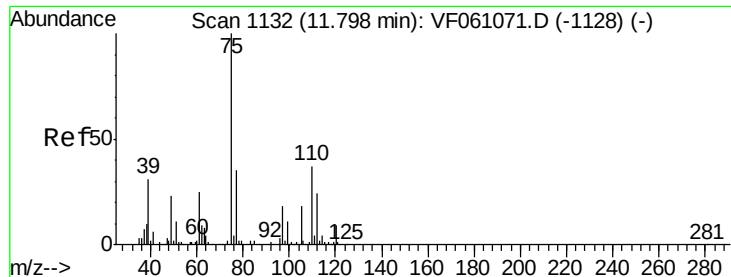


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 5.159 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.02 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

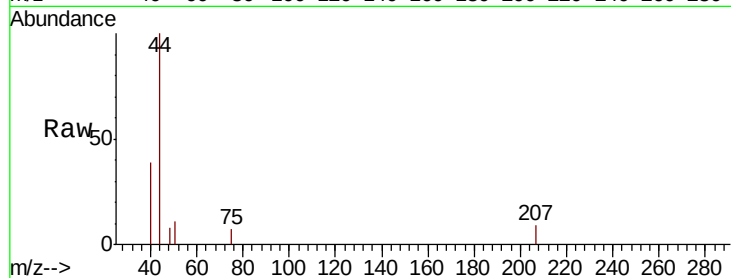
ClientSampleId :

Tot Ion: 75 Resp: 62

Ion Ratio Lower Upper

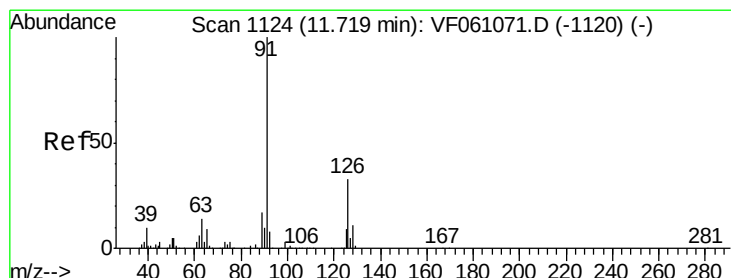
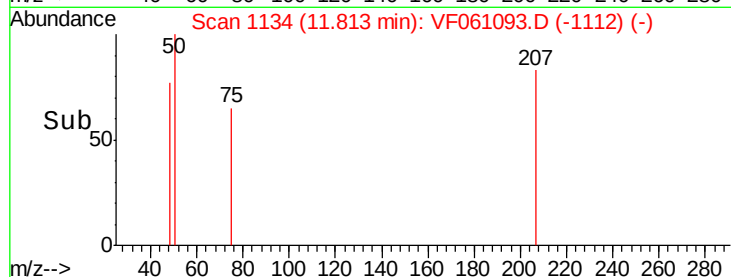
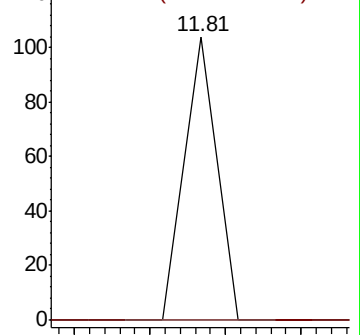
75 100

77 0.0 17.6 52.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#79

2-Chlorotoluene

Concen: 2.053 ug/l

RT: 11.66 min Scan# 1118

Delta R.T. -0.06 min

Lab File: VF061093.D

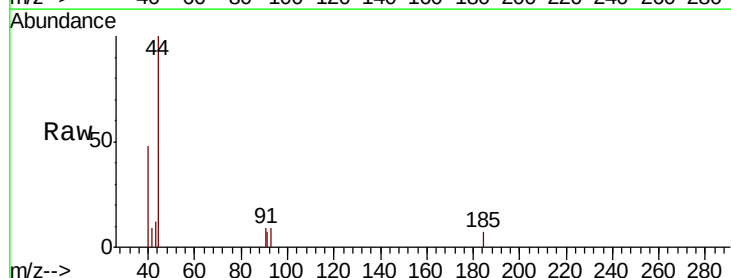
Acq: 19 Dec 2018 19:05

Tgt Ion: 91 Resp: 137

Ion Ratio Lower Upper

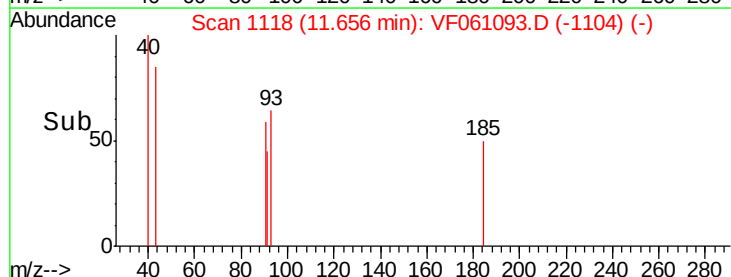
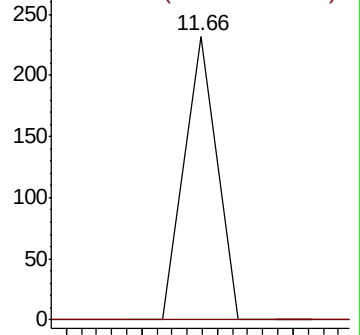
91 100

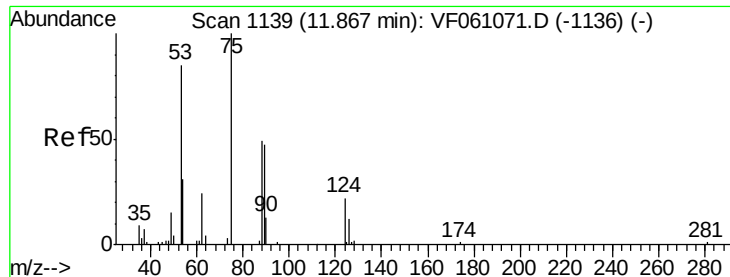
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 12.007 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.05 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

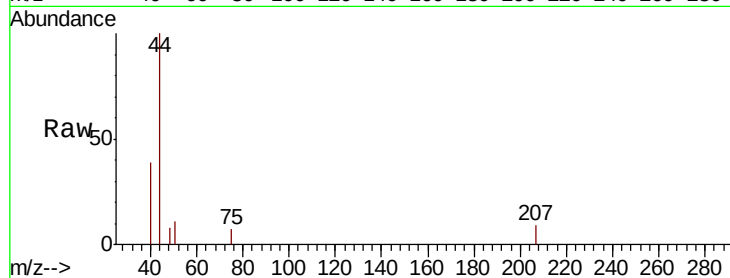
Tot Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

53 0.0 74.1 111.1#

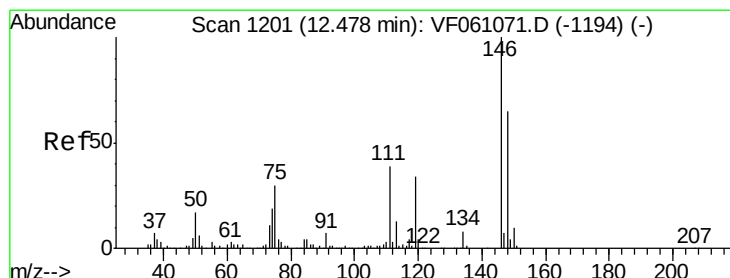
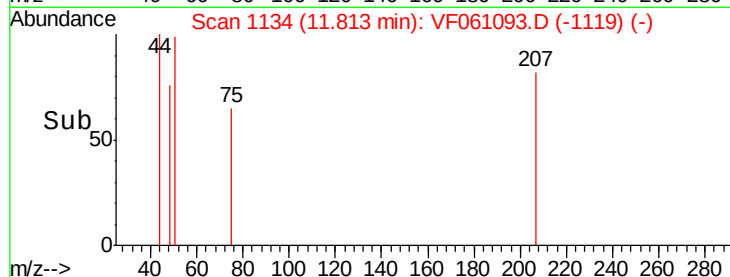
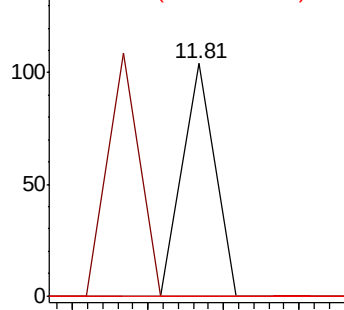
89 0.0 42.6 64.0#



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



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.57 min Scan# 1211

Delta R.T. 0.09 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

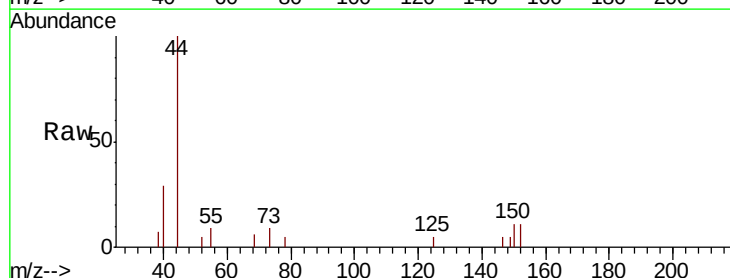
Tgt Ion: 146 Resp: 63

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.9#

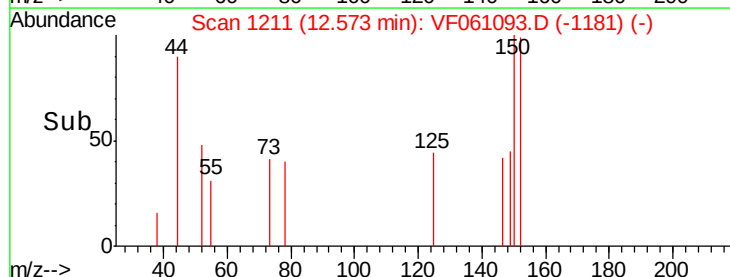
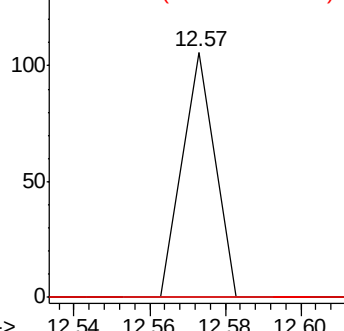
148 0.0 32.4 97.2#

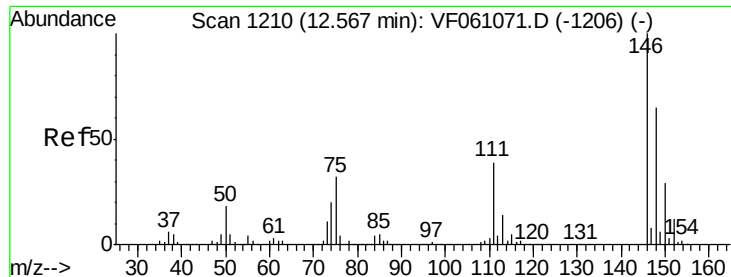


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,4-Dichlorobenzene

Concen: 1.638 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.01 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_F

ClientSampleId :

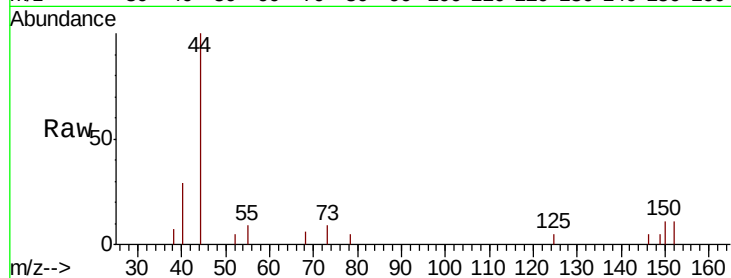
Tot Ion:146 Resp: 63

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.4#

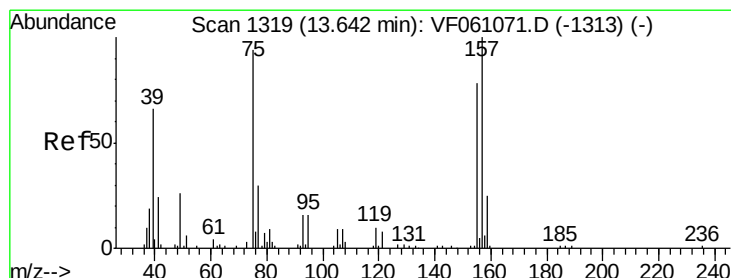
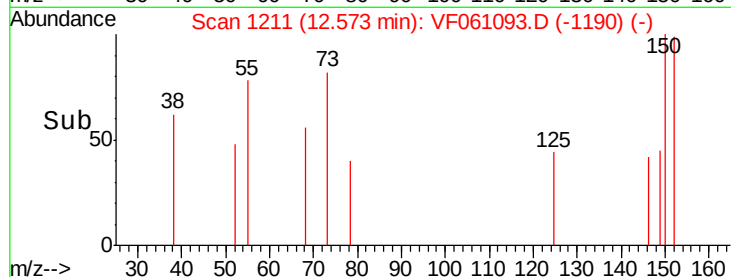
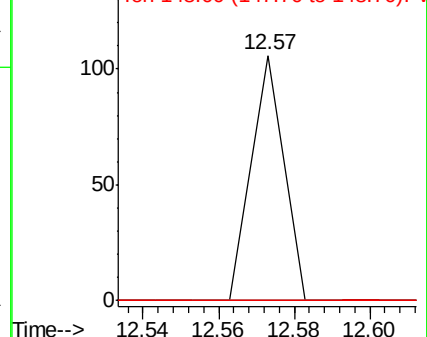
148 0.0 32.4 97.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.624 ug/l

RT: 13.71 min Scan# 1326

Delta R.T. 0.07 min

Lab File: VF061093.D

Acq: 19 Dec 2018 19:05

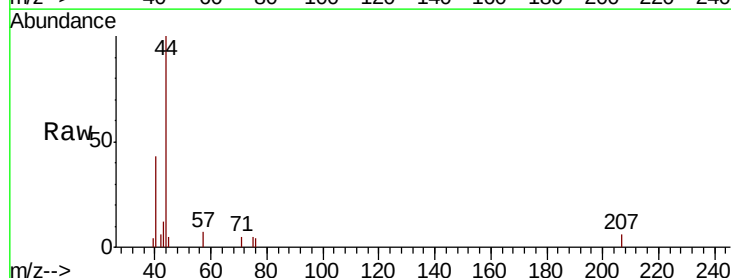
Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.5#

157 0.0 53.2 159.6#



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

