

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121918\
 Data File : VF061094.D
 Acq On : 19 Dec 2018 19:34
 Operator : VA/AP
 Sample : J6388-14
 Misc : 4.18g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 20 02:25:08 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	4.87	168	6318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	7713	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	4169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	781	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	1155	14.21	ug/l	0.01
Spiked Amount			Recovery	=	28.42%	
35) Dibromofluoromethane	4.11	113	1983	32.09	ug/l	0.00
Spiked Amount			Recovery	=	64.18%	
50) Toluene-d8	7.56	98	6682	38.16	ug/l	0.00
Spiked Amount			Recovery	=	76.32%	
62) 4-Bromofluorobenzene	11.41	95	1234	15.29	ug/l	0.00
Spiked Amount			Recovery	=	30.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.12	50	100	1.243	ug/l #	42
4) Vinyl Chloride	1.21	62	88	1.179	ug/l #	37
5) Bromomethane	1.35	94	816	15.764	ug/l #	42
6) Chloroethane	1.41	64	72	2.094	ug/l #	26
8) Diethyl Ether	1.69	74	61	3.126	ug/l #	21
11) Tert butyl alcohol	2.64	59	67	20.432	ug/l #	65
12) 1,1-Dichloroethene	1.81	96	183	3.286	ug/l #	1
13) Acrolein	2.00	56	533	224.940	ug/l	94
14) Allyl chloride	2.08	41	463	7.989	ug/l #	41
15) Acrylonitrile	2.95	53	205	27.035	ug/l #	74
16) Acetone	2.18	43	472	29.055	ug/l	94
18) Methyl Acetate	2.30	43	429	12.764	ug/l #	66
20) Methylene Chloride	2.30	84	67	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.32	96	91	1.528	ug/l #	1
22) Diisopropyl ether	2.80	45	488	2.528	ug/l #	1
23) Vinyl Acetate	3.20	43	201	2.257	ug/l #	78
24) 1,1-Dichloroethane	2.89	63	130	1.137	ug/l #	88
25) 2-Butanone	4.35	43	375	14.234	ug/l #	57
26) 2,2-Dichloropropane	3.59	77	73	1.112	ug/l #	62
29) Tetrahydrofuran	4.08	42	185	17.252	ug/l #	37
37) Ethyl Acetate	4.10	43	285	6.713	ug/l #	21
41) Methacrylonitrile	4.71	41	400	20.344	ug/l #	27
43) Isopropyl Acetate	6.90	43	346	7.697	ug/l #	45
45) 1,2-Dichloropropane	6.08	63	82	1.505	ug/l #	44
48) Methyl methacrylate	6.76	41	376	11.981	ug/l #	19
49) 1,4-Dioxane	6.89	88	75	329.364	ug/l #	20
51) 4-Methyl-2-Pentanone	8.26	43	63	2.043	ug/l #	38
53) t-1,3-Dichloropropene	8.20	75	75	1.013	ug/l #	42
55) 1,1,2-Trichloroethane	8.44	97	64	1.611	ug/l #	12
56) Ethyl methacrylate	8.54	69	62	1.442	ug/l #	43
57) 1,3-Dichloropropane	8.73	76	98	1.364	ug/l #	42
59) 2-Hexanone	9.46	43	272	12.200	ug/l #	27
68) m/p-Xylenes	10.00	106	71	1.286	ug/l #	1
74) N-amyl acetate	11.37	43	304	20.345	ug/l #	46

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121918\
 Data File : VF061094.D
 Acq On : 19 Dec 2018 19:34
 Operator : VA/AP
 Sample : J6388-14
 Misc : 4.18g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 20 02:25:08 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

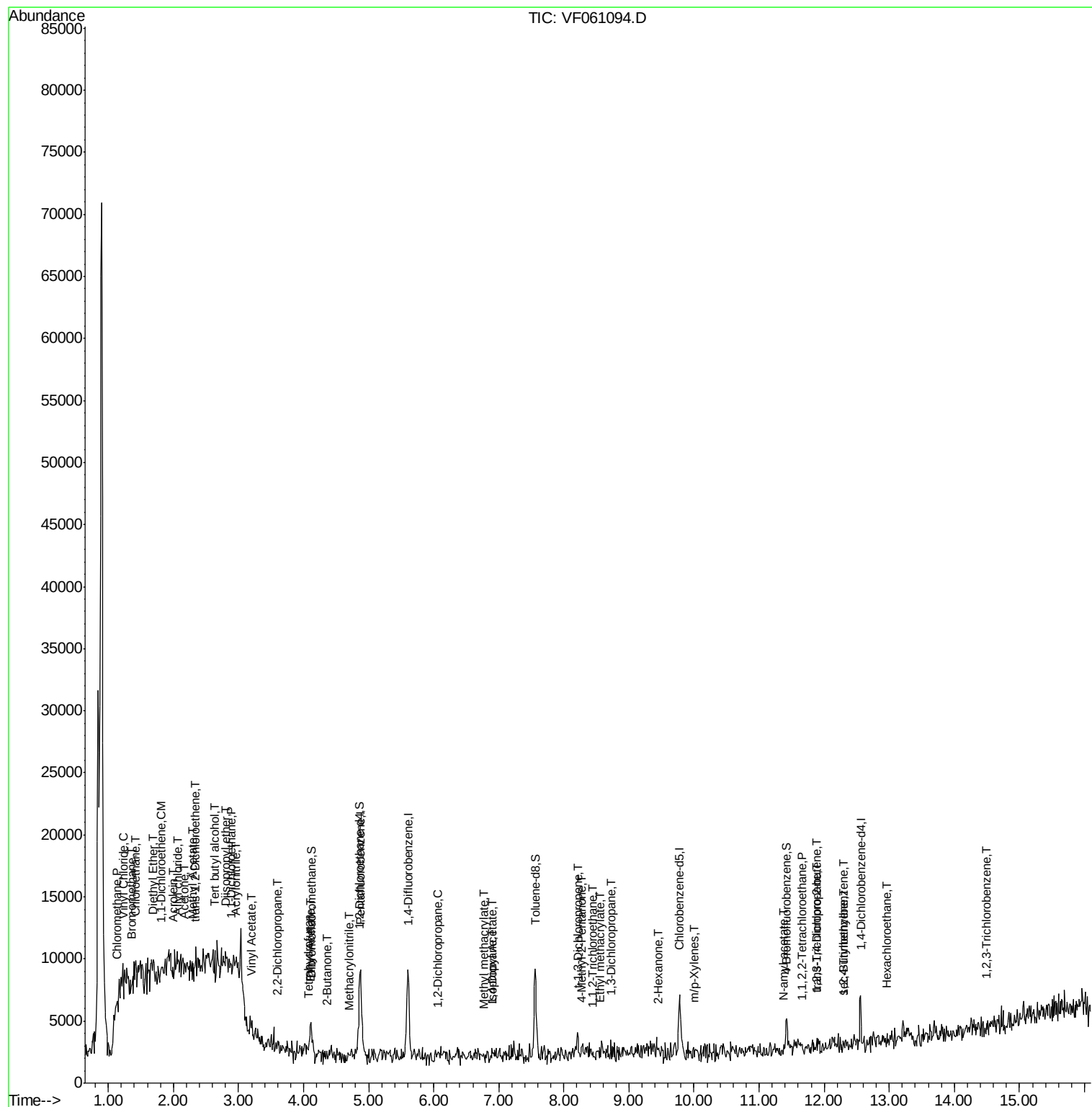
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	11.67	83	83	7.431	ug/l #	23
76) 1,2,3-Trichloropropane	11.90	75	73	8.782	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.90	75	73	20.436	ug/l #	11
84) 1,2,4-Trimethylbenzene	12.30	105	76	1.375	ug/l #	29
85) sec-Butylbenzene	12.30	105	76	1.021	ug/l #	58
90) Hexachloroethane	12.97	117	69	4.521	ug/l #	27
96) 1,2,3-Trichlorobenzene	14.48	180	70	4.122	ug/l #	12

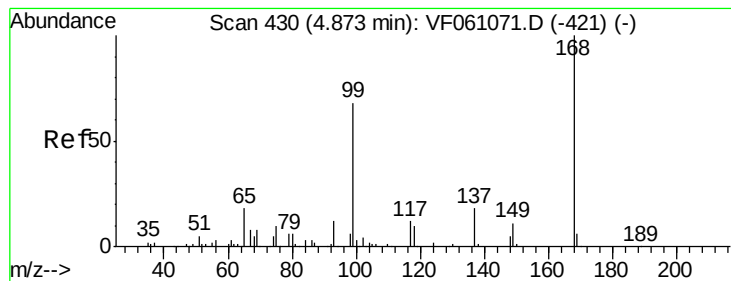
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121918\
Data File : VF061094.D
Acq On : 19 Dec 2018 19:34
Operator : VA/AP
Sample : J6388-14
Misc : 4.18g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 20 02:25:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

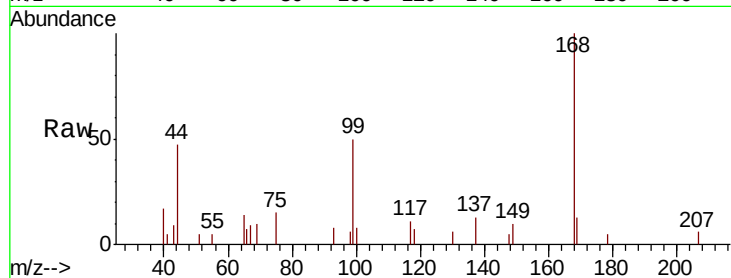
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 6318

Ion Ratio Lower Upper

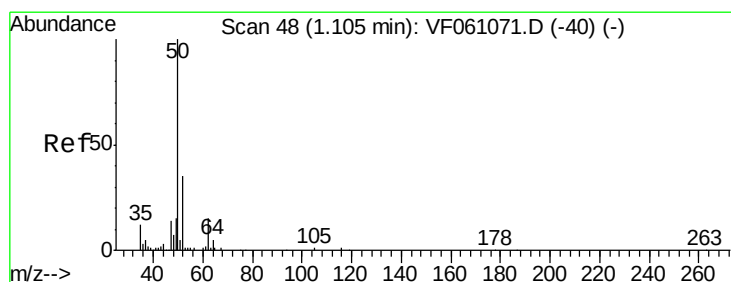
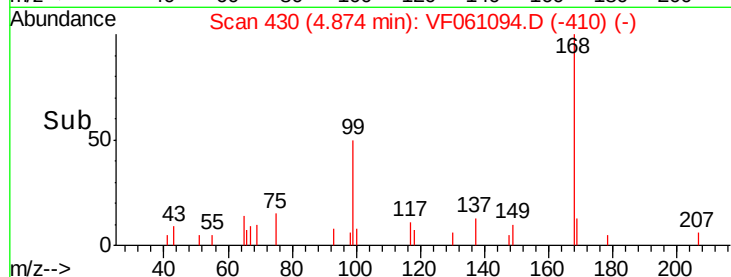
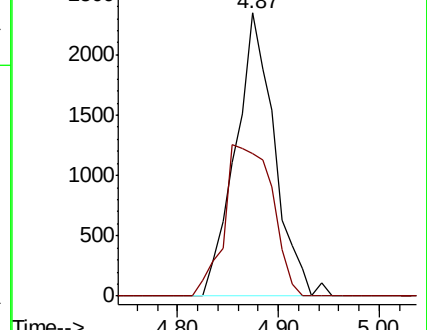
168 100

99 50.4 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: 1.243 ug/l

RT: 1.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061094.D

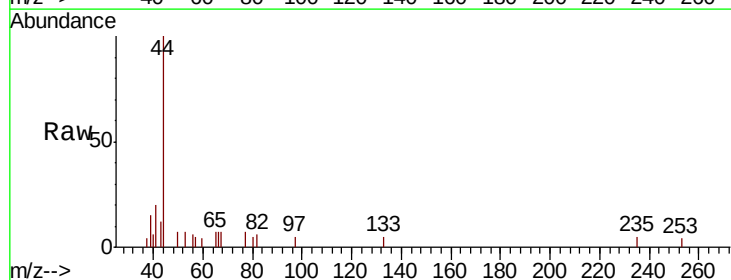
Acq: 19 Dec 2018 19:34

Tgt Ion: 50 Resp: 100

Ion Ratio Lower Upper

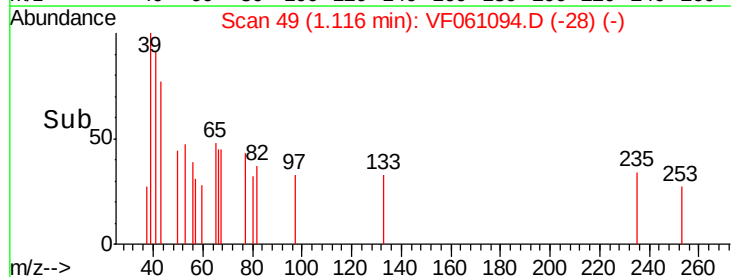
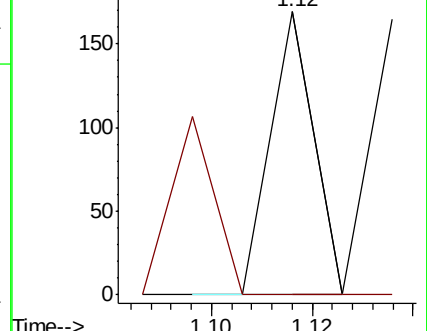
50 100

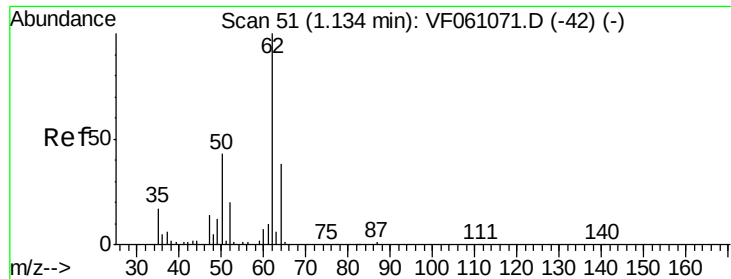
52 0.0 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 1.179 ug/l

RT: 1.21 min Scan# 59

Delta R.T. 0.08 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

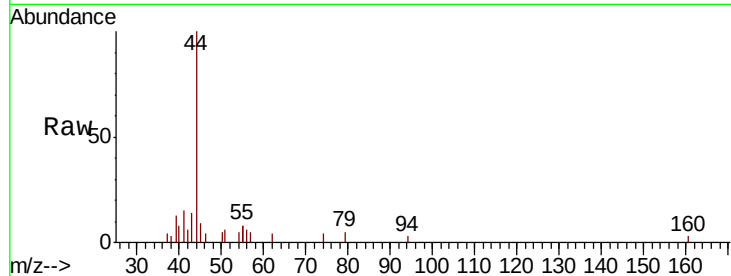
ClientSampleId :

Tot Ion: 62 Resp: 88

Ion Ratio Lower Upper

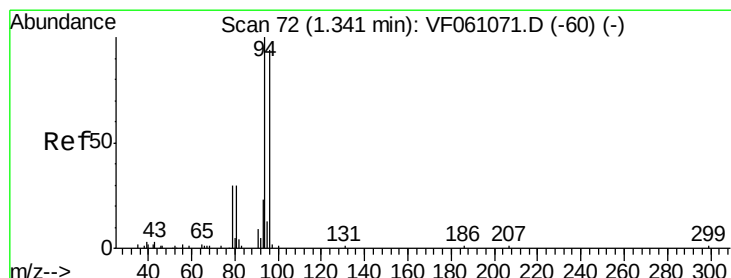
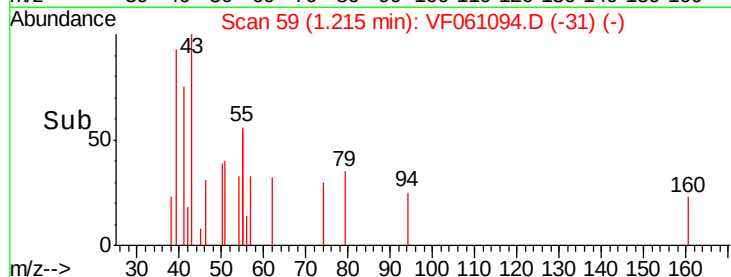
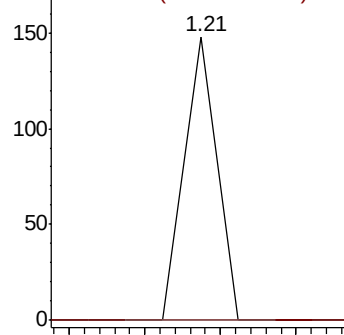
62 100

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: 15.764 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061094.D

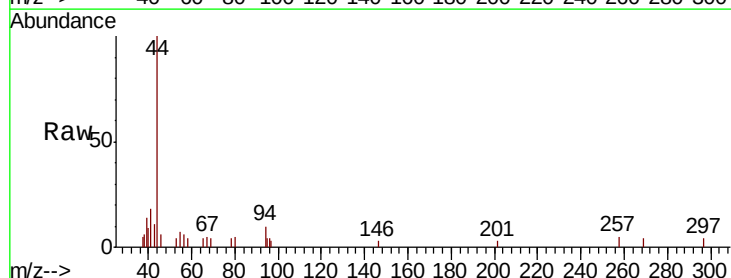
Acq: 19 Dec 2018 19:34

Tgt Ion: 94 Resp: 816

Ion Ratio Lower Upper

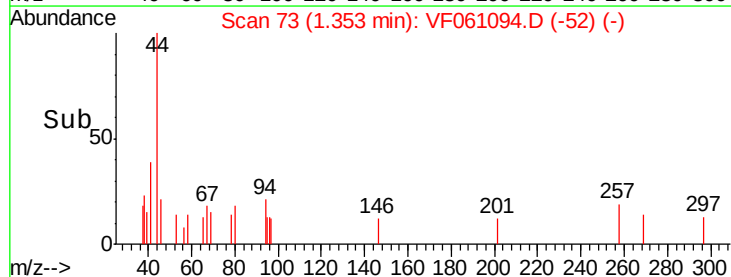
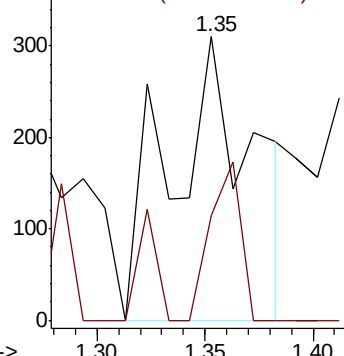
94 100

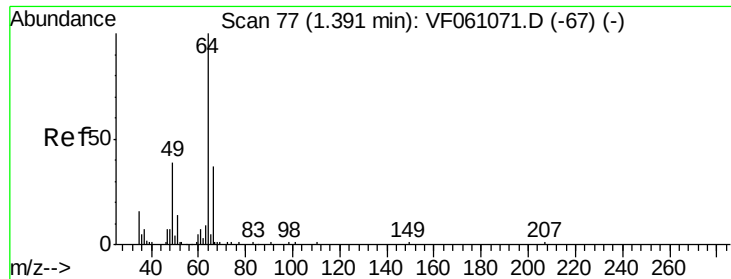
96 37.1 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 2.094 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

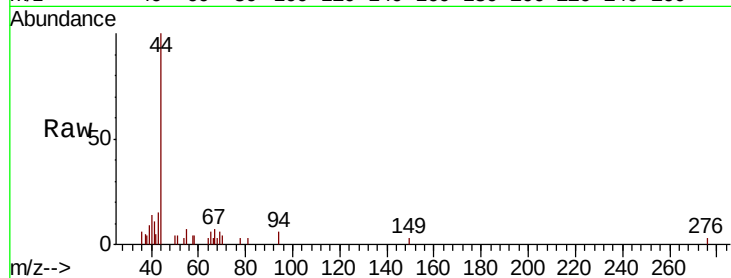
ClientSampleId :

Tot Ion: 64 Resp: 72

Ion Ratio Lower Upper

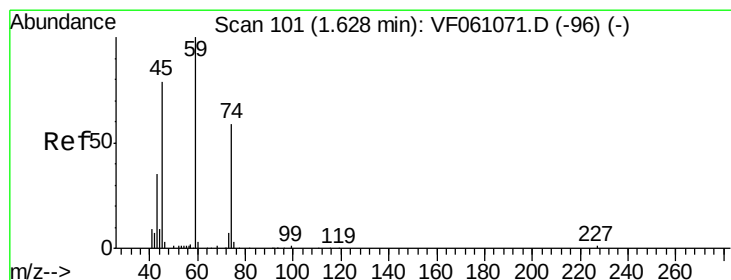
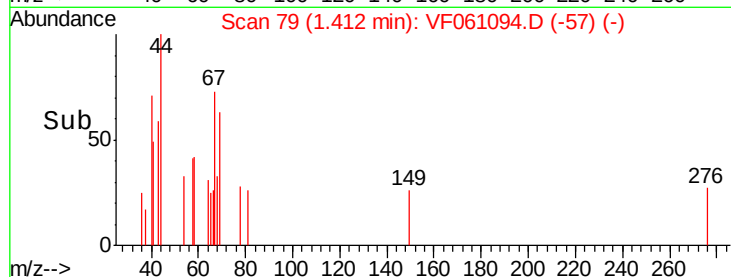
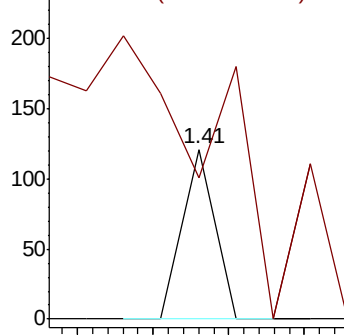
64 100

66 83.5 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: 3.126 ug/l

RT: 1.69 min Scan# 107

Delta R.T. 0.06 min

Lab File: VF061094.D

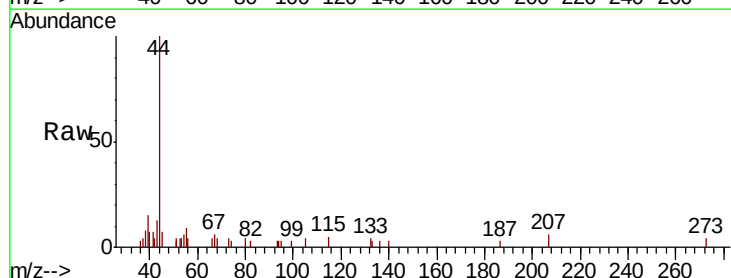
Acq: 19 Dec 2018 19:34

Tgt Ion: 74 Resp: 61

Ion Ratio Lower Upper

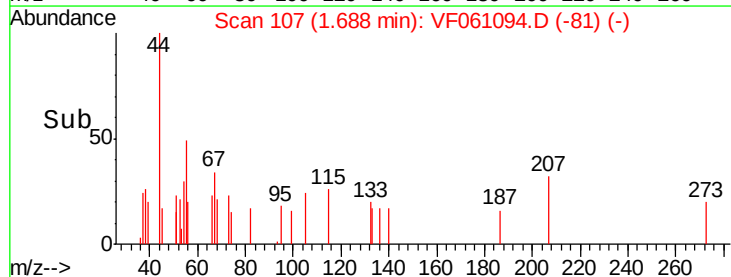
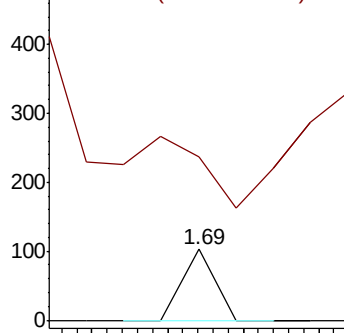
74 100

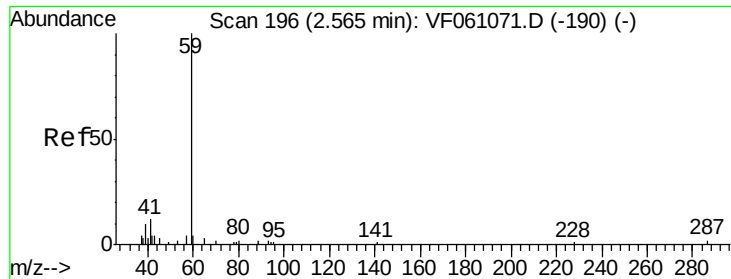
45 230.1 67.8 203.4#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



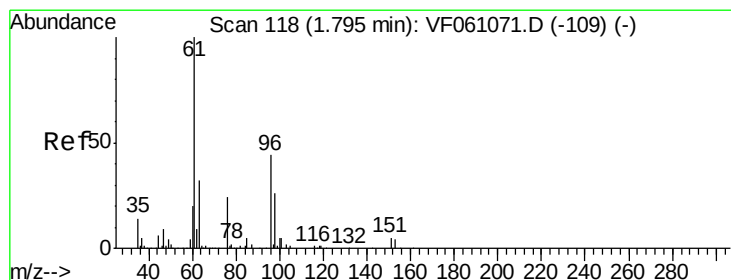
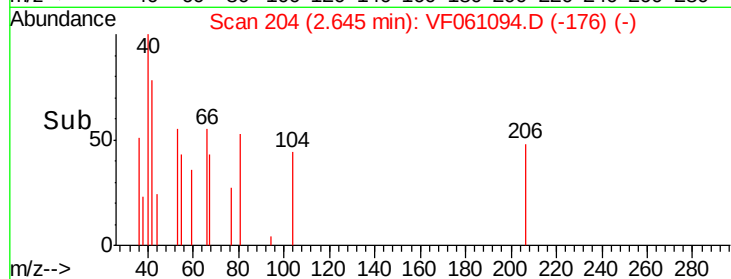
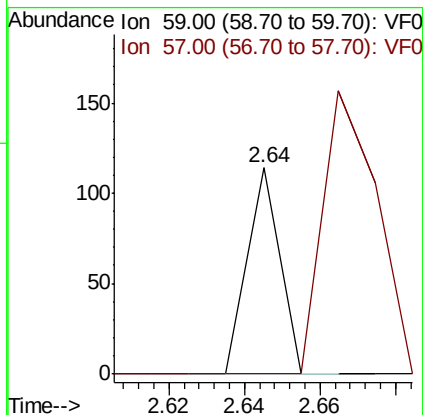
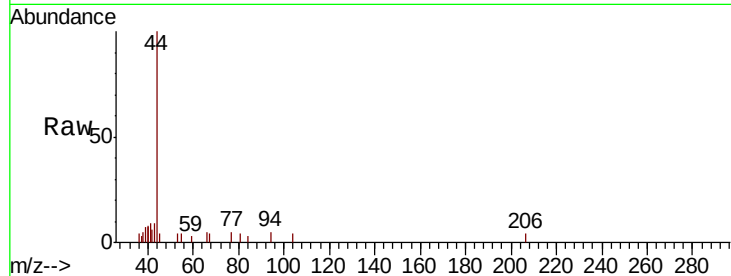


#11

Tert butyl alcohol
Concen: 20.432 ug/l
RT: 2.64 min Scan# 204
Delta R.T. 0.08 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampleId :

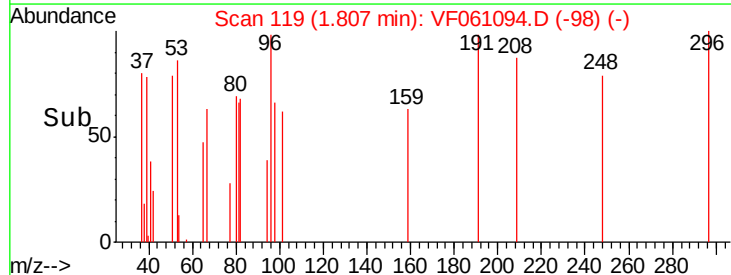
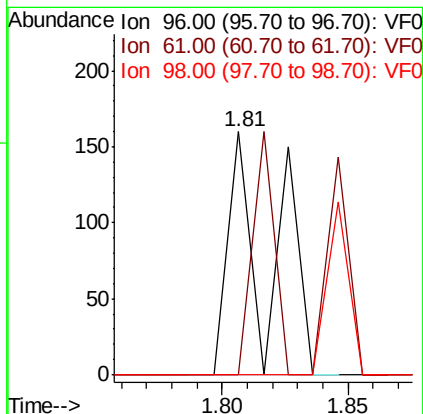
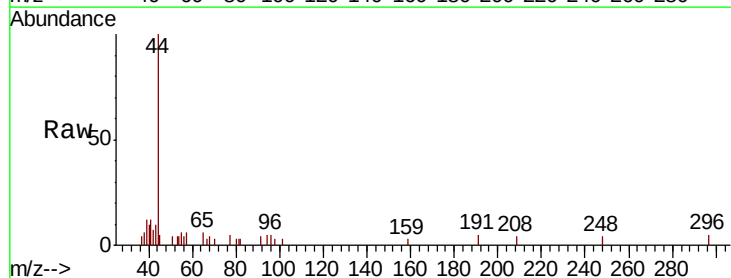
Tot Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 11.5 17.3#

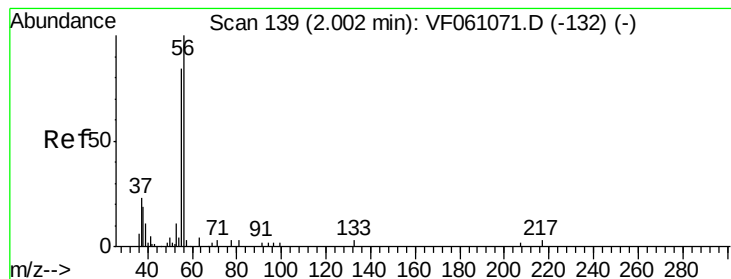


#12

1,1-Dichloroethene
Concen: 3.286 ug/l
RT: 1.81 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Tgt Ion: 96 Resp: 183
Ion Ratio Lower Upper
96 100
61 0.0 182.0 273.0#
98 0.0 46.5 69.7#





#13

Acrolein

Concen: 224.940 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

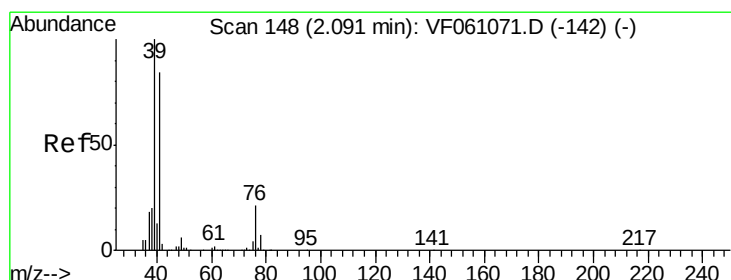
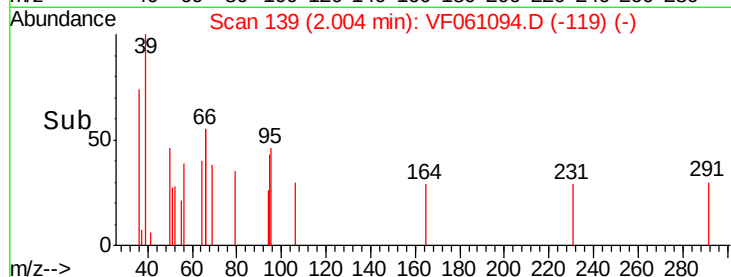
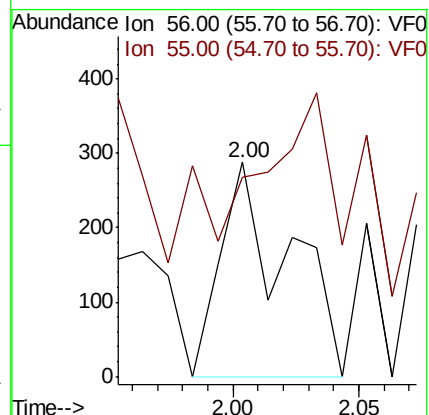
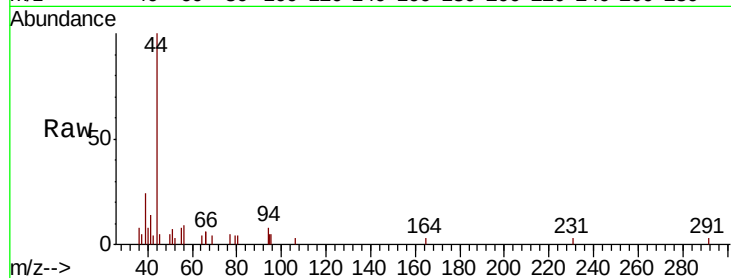
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 533

Ion Ratio Lower Upper

56 100

55 93.1 70.2 105.2



#14

Allyl chloride

Concen: 7.989 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

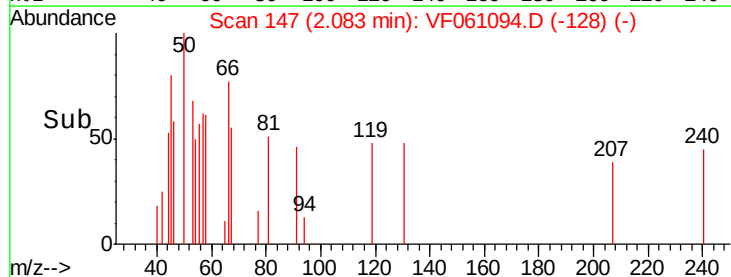
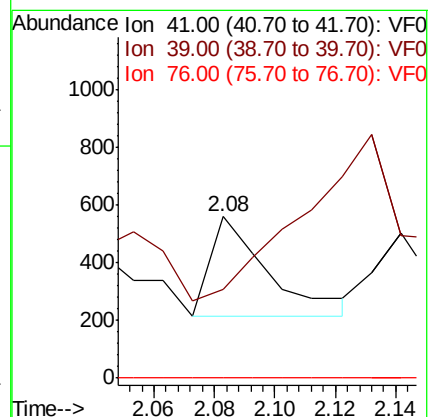
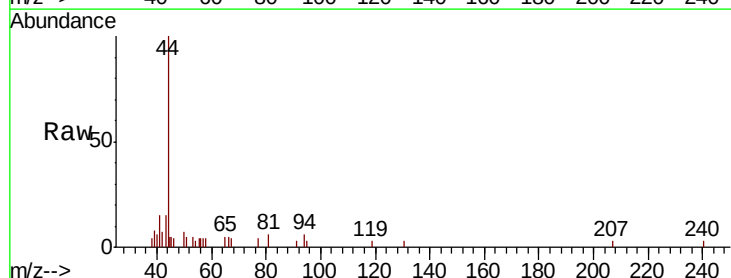
Tgt Ion: 41 Resp: 463

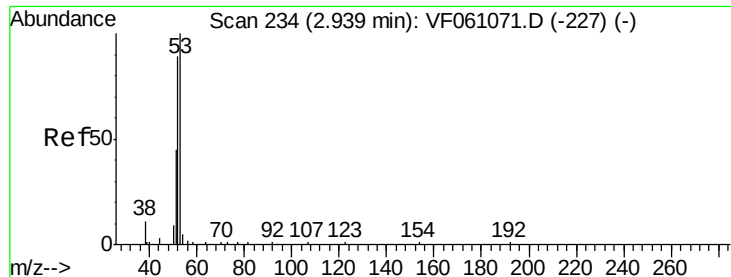
Ion Ratio Lower Upper

41 100

39 54.7 96.4 144.6#

76 0.0 25.4 38.0#





#15

Acrylonitrile

Concen: 27.035 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

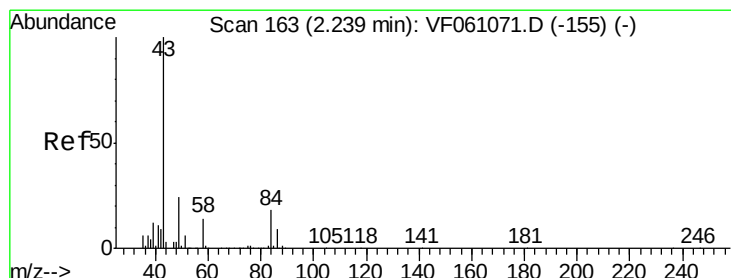
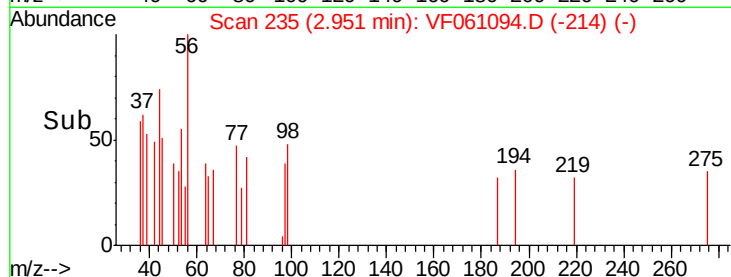
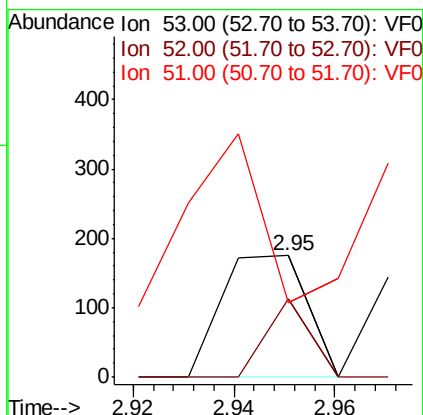
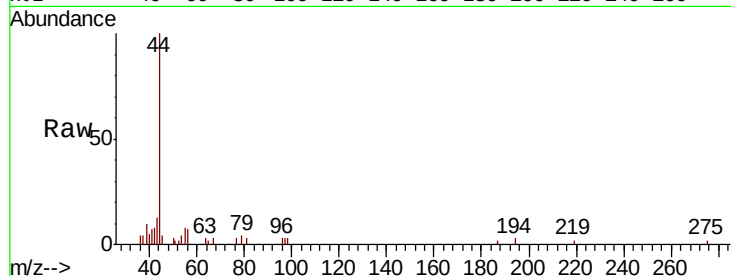
Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 205

Ion	Ratio	Lower	Upper
53	100		
52	64.0	71.3	106.9#
51	61.7	36.8	55.2#



#16

Acetone

Concen: 29.055 ug/l

RT: 2.18 min Scan# 157

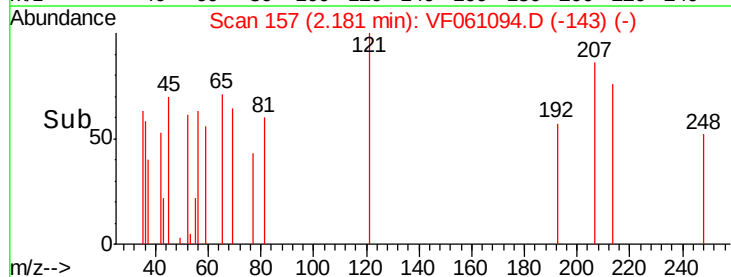
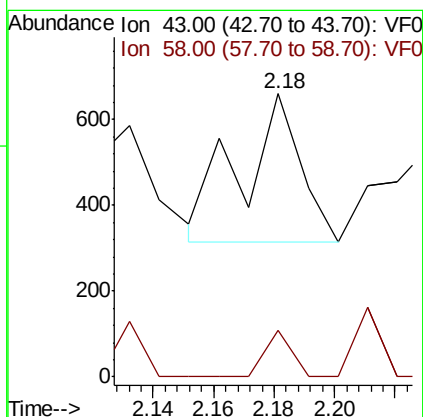
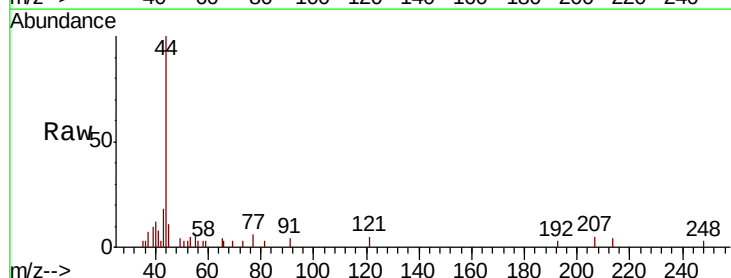
Delta R.T. -0.06 min

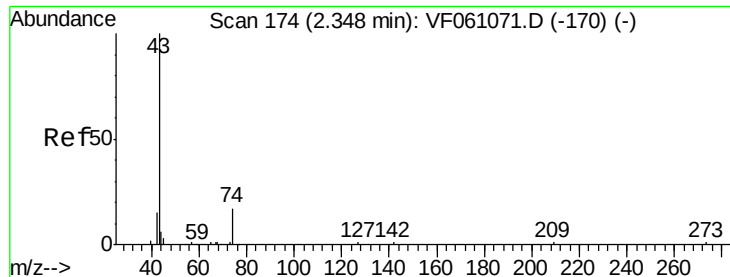
Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Tgt Ion: 43 Resp: 472

Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.1	16.7

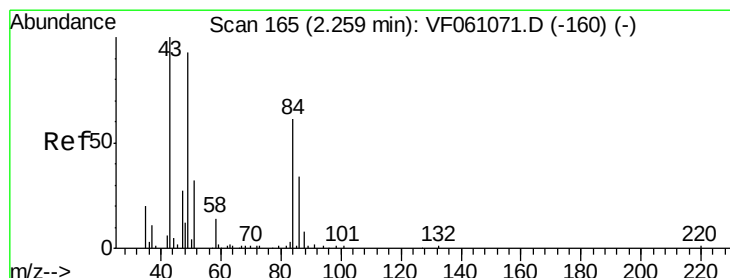
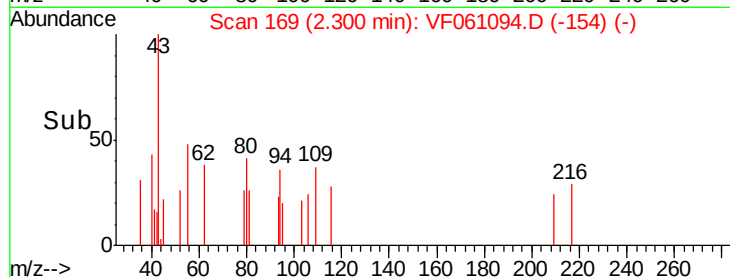
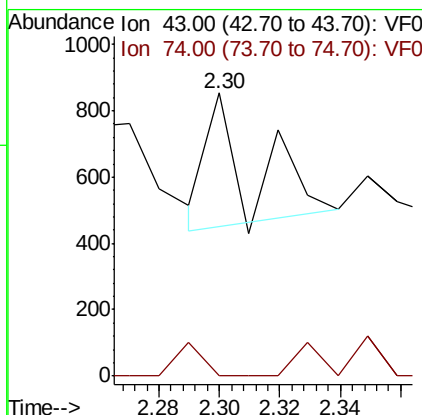
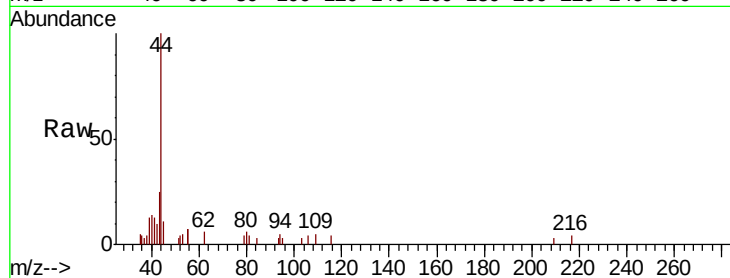




#18
Methyl Acetate
Concen: 12.764 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.05 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

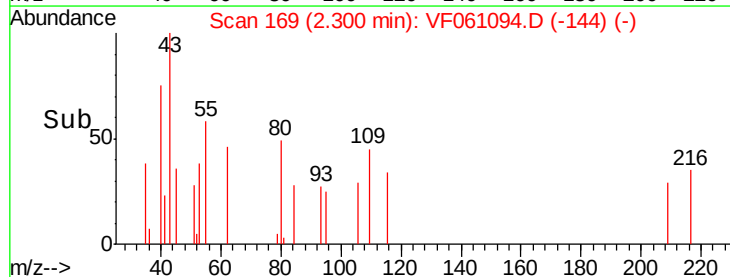
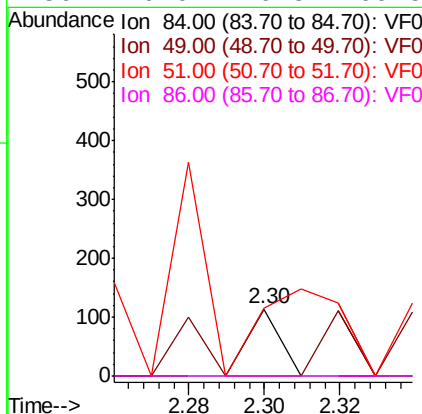
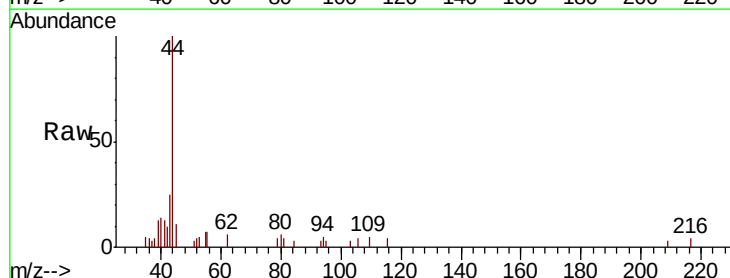
Instrument :
MSVOA_F
ClientSampled :

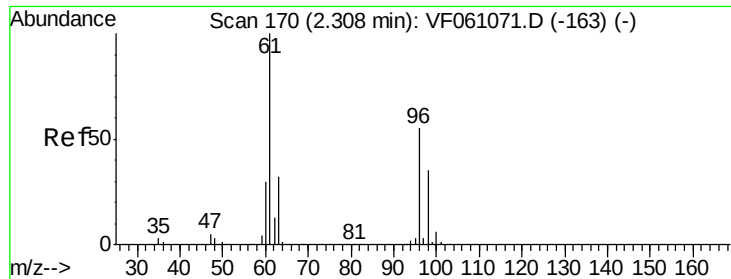
Tot Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 169
Delta R.T. 0.04 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Tgt Ion: 84 Resp: 67
Ion Ratio Lower Upper
84 100
49 0.0 129.4 194.2#
51 101.8 44.0 66.0#
86 0.0 46.3 69.5#





#21

trans-1,2-Dichloroethene

Concen: 1.528 ug/l

RT: 2.32 min Scan# 171

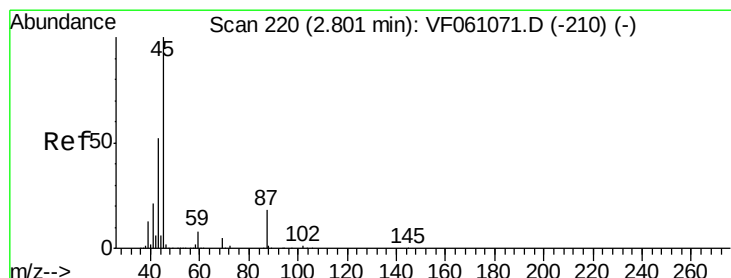
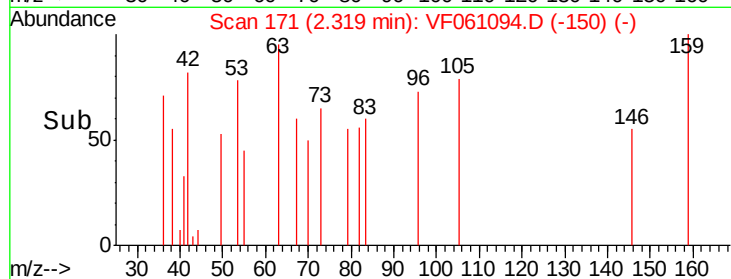
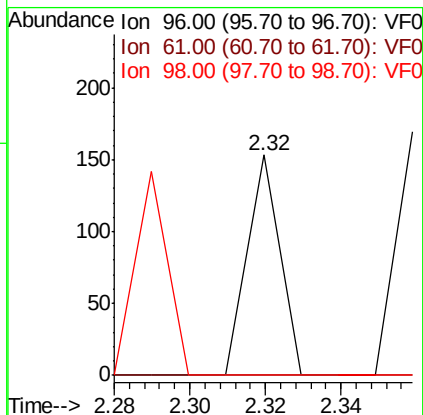
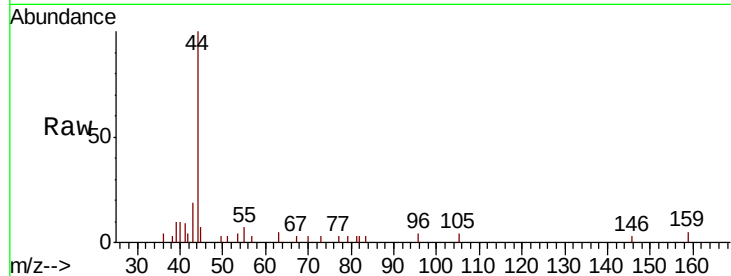
Delta R.T. 0.01 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	91
Ion	Ratio	Lower	Upper
96	100		
61	0.0	146.0	219.0#
98	0.0	51.6	77.4#



#22

Diisopropyl ether

Concen: 2.528 ug/l

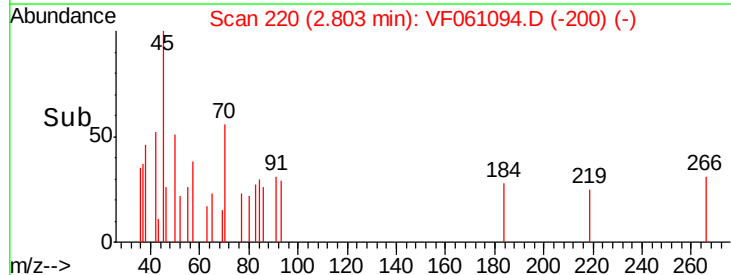
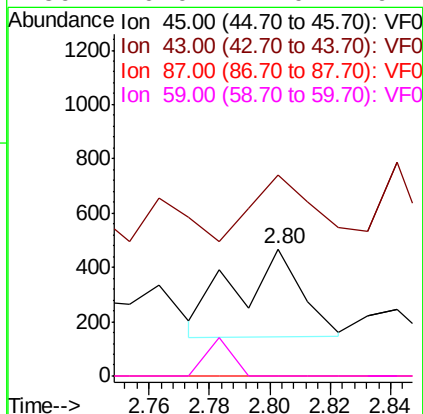
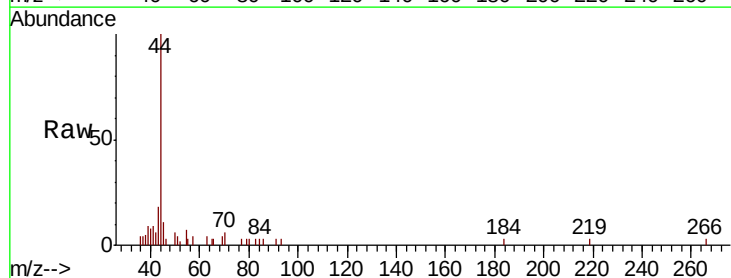
RT: 2.80 min Scan# 220

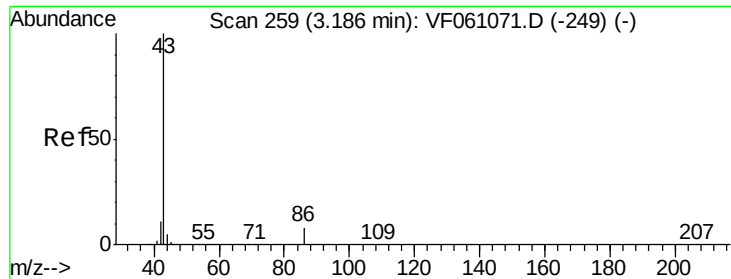
Delta R.T. 0.00 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Tgt Ion:	45	Resp:	488
Ion	Ratio	Lower	Upper
45	100		
43	158.5	42.2	63.2#
87	0.0	14.6	22.0#
59	0.0	7.0	10.4#





#23

Vinyl Acetate

Concen: 2.257 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

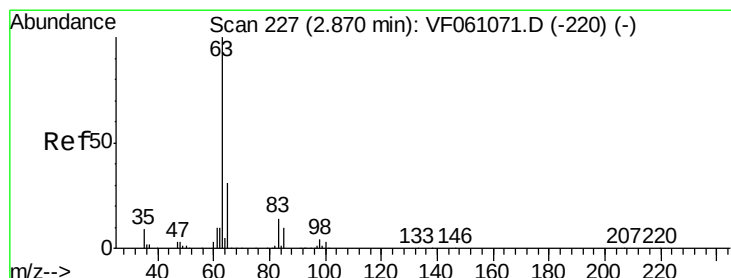
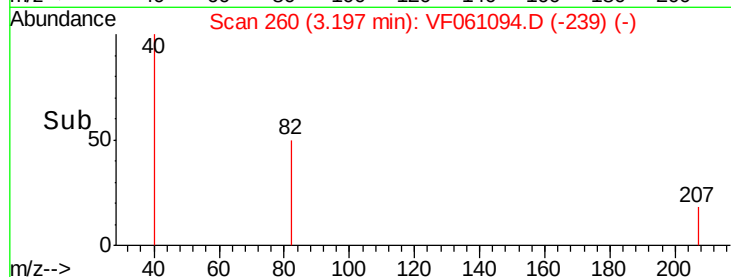
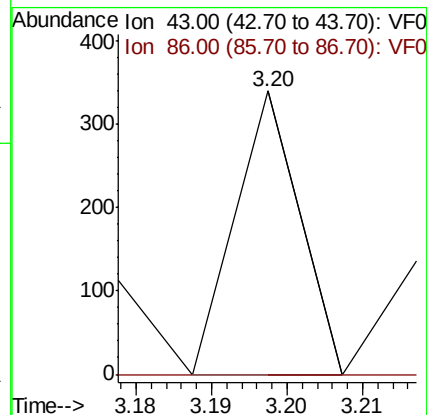
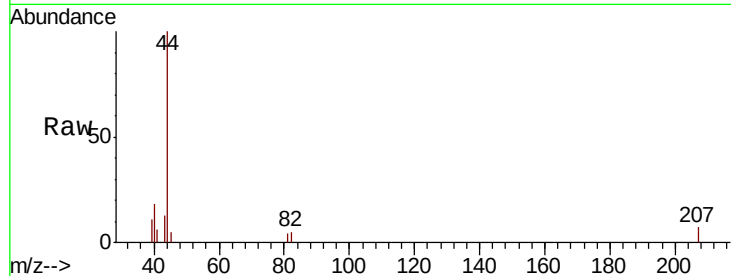
ClientSampleId :

Tot Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

86 0.0 6.3 9.5#



#24

1,1-Dichloroethane

Concen: 1.137 ug/l

RT: 2.89 min Scan# 229

Delta R.T. 0.02 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

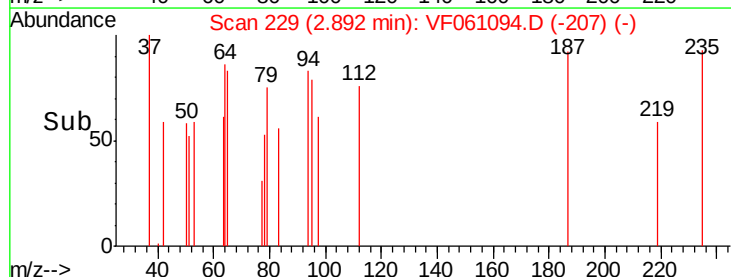
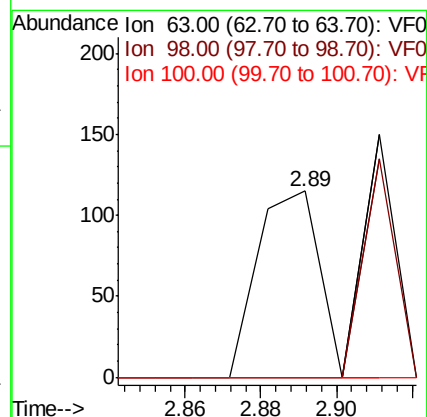
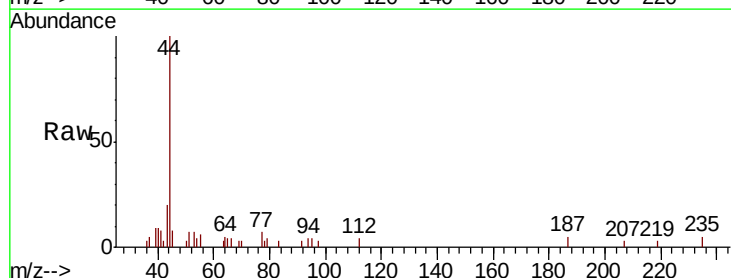
Tgt Ion: 63 Resp: 130

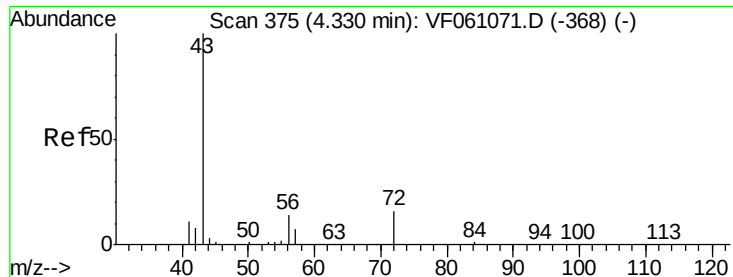
Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

100 0.0 1.7 5.1#





#25

2-Butanone

Concen: 14.234 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

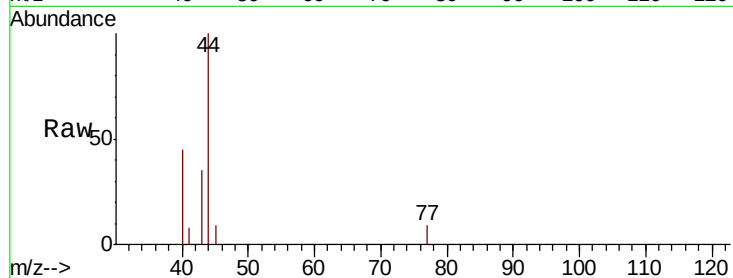
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 375

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

4.35

400

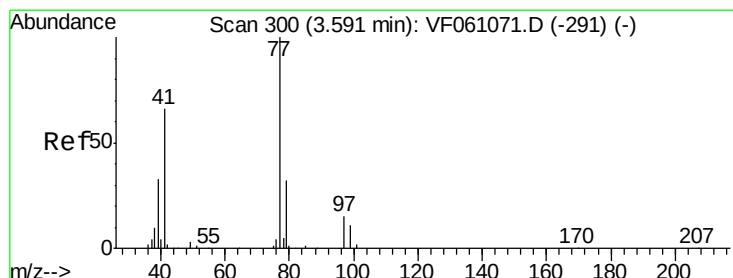
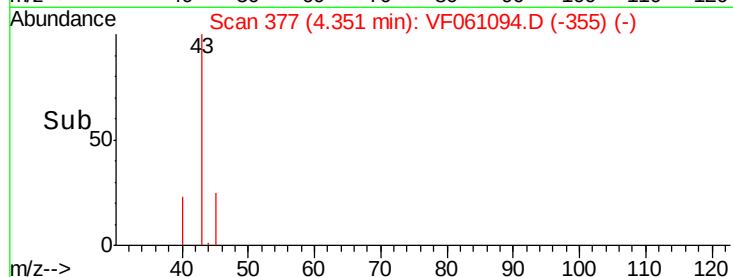
300

200

100

0

Time-->



#26

2,2-Dichloropropane

Concen: 1.112 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061094.D

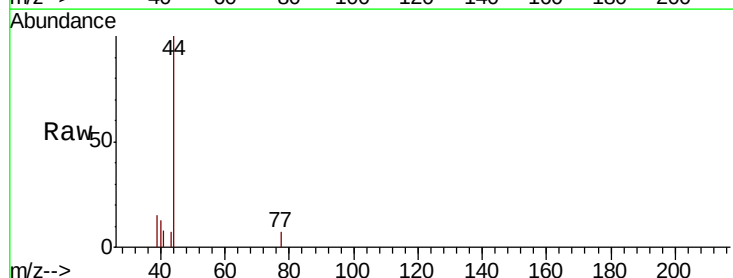
Acq: 19 Dec 2018 19:34

Tgt Ion: 77 Resp: 73

Ion Ratio Lower Upper

77 100

97 0.0 8.2 24.4#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

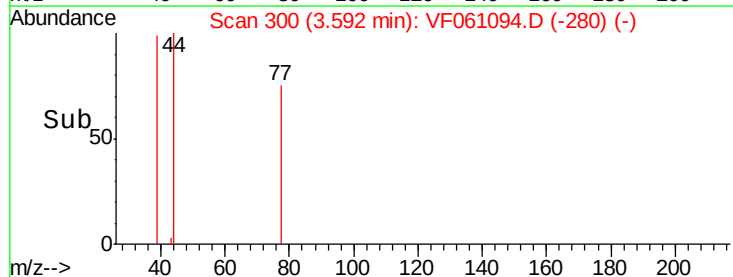
3.59

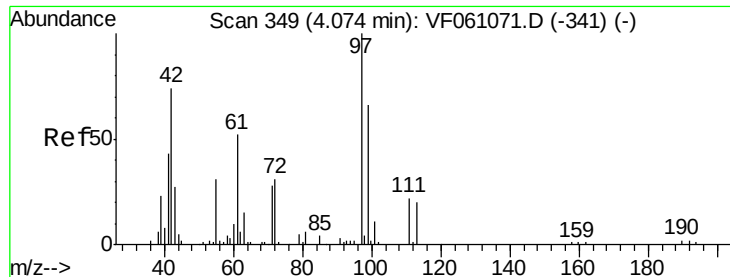
100

50

0

Time-->





#29

Tetrahydrofuran

Concen: 17.252 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

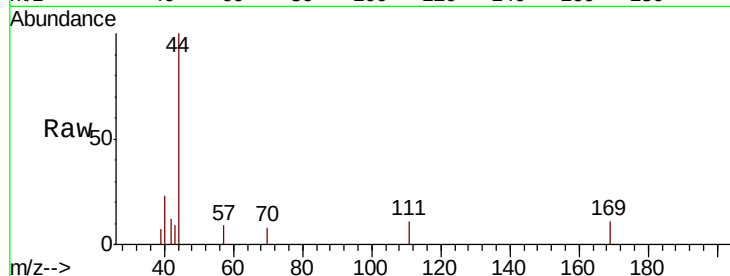
Tot Ion: 42 Resp: 185

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

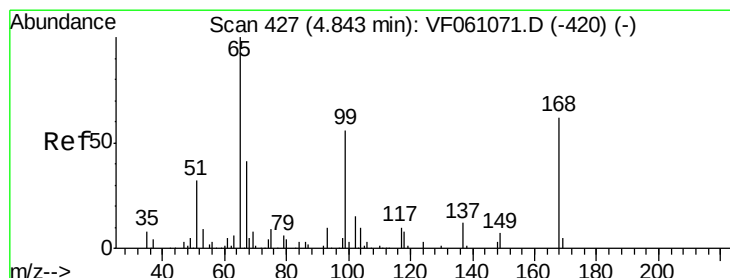
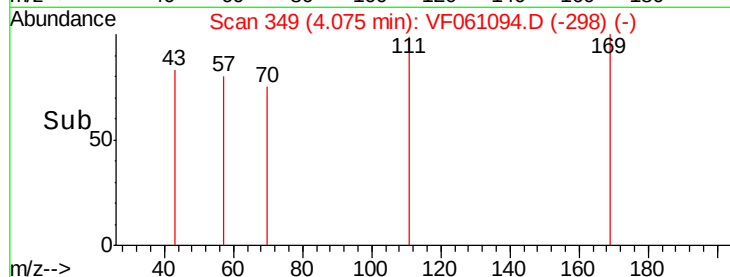
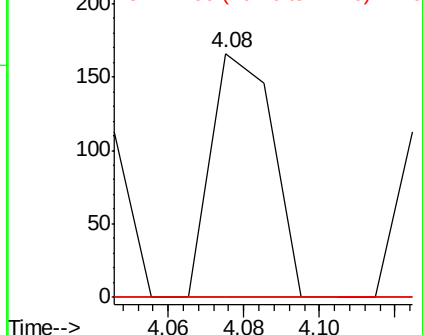
71 0.0 29.7 44.5#



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



#33

1,2-Dichloroethane-d4

Concen: 14.214 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061094.D

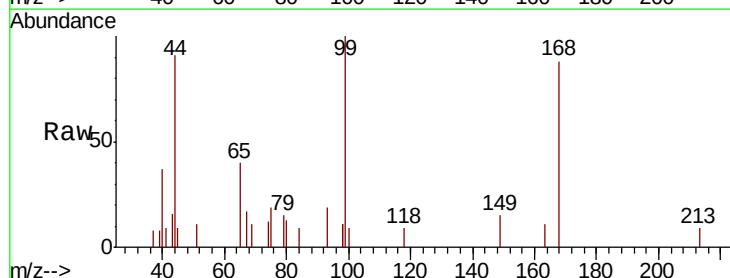
Acq: 19 Dec 2018 19:34

Tgt Ion: 65 Resp: 1155

Ion Ratio Lower Upper

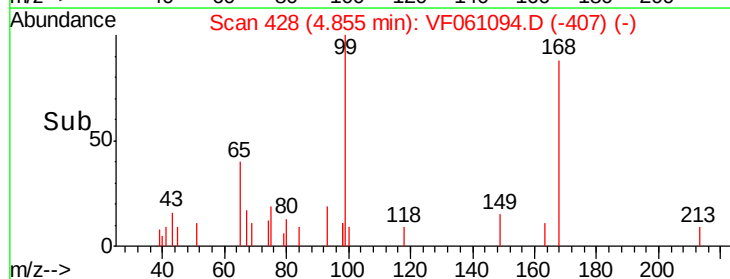
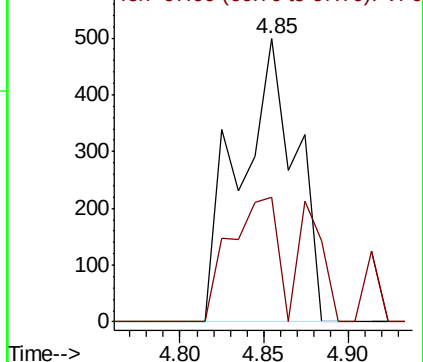
65 100

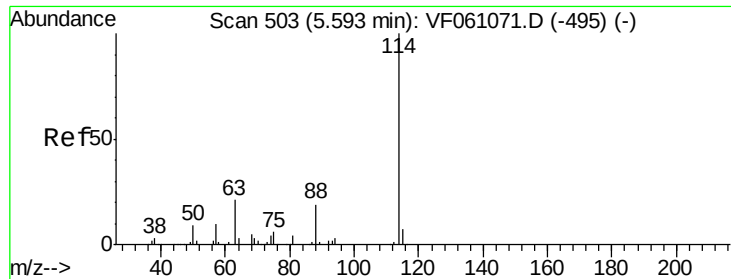
67 44.0 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

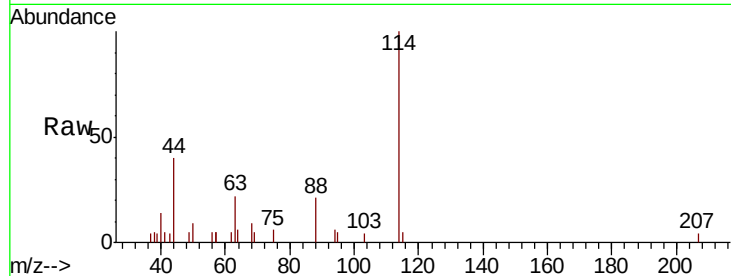




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061094.D
 Acq: 19 Dec 2018 19:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.6
88	21.4	0.0	38.0

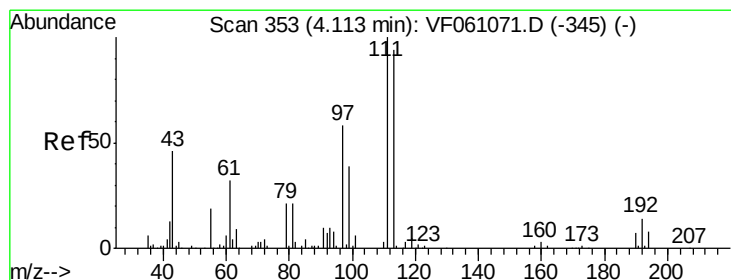
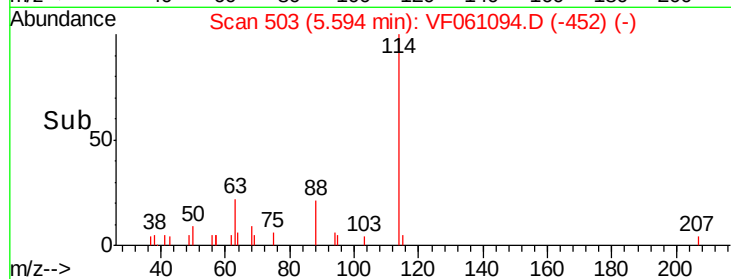
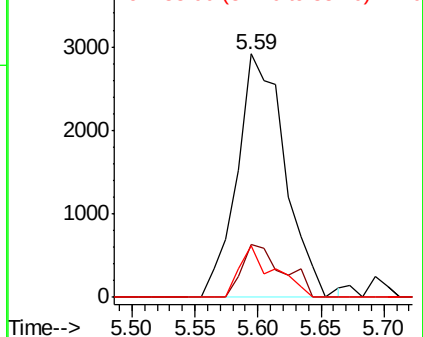


Abundance

Ion 114.00 (113.70 to 114.70): V

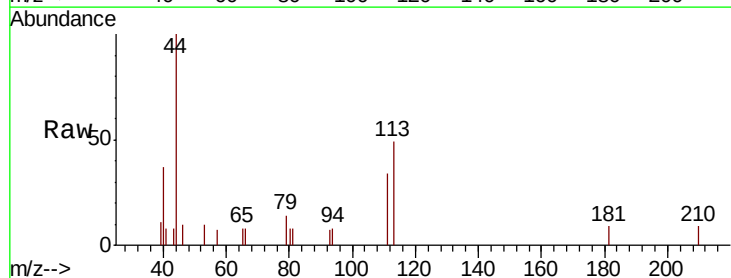
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
 Dibromofluoromethane
 Concen: 32.095 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061094.D
 Acq: 19 Dec 2018 19:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	69.2	85.2	127.8#
192	0.0	12.8	19.2#

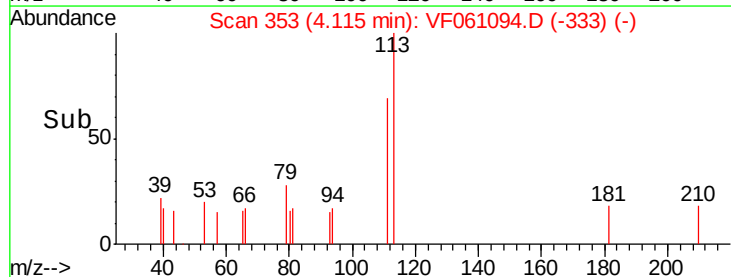
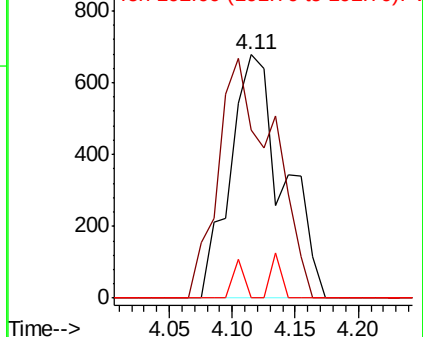


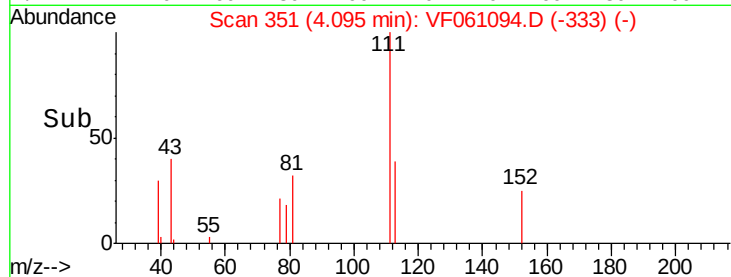
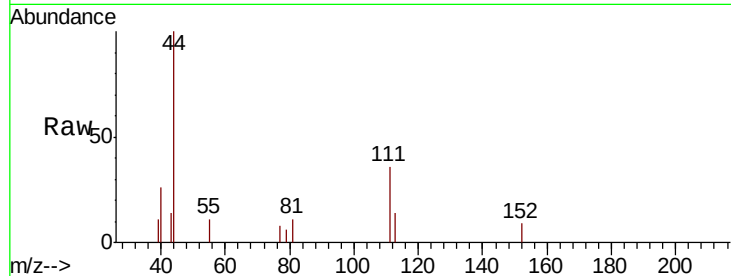
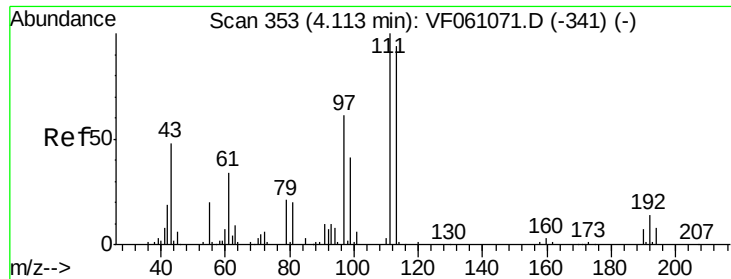
Abundance

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

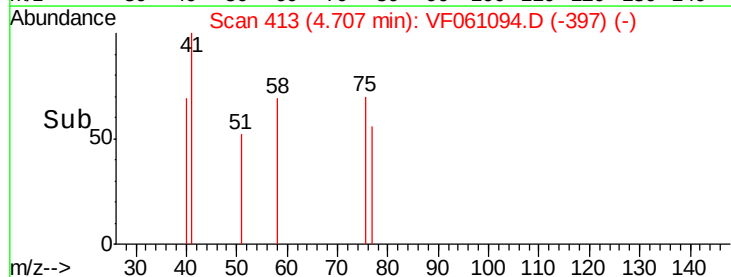
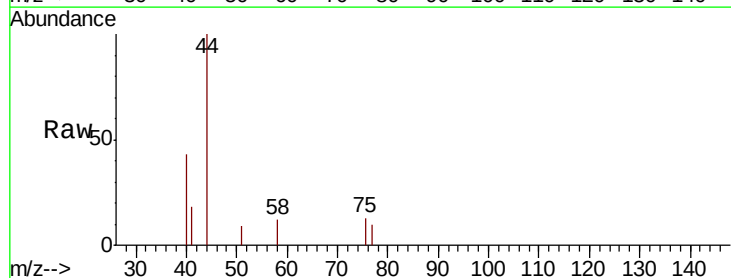
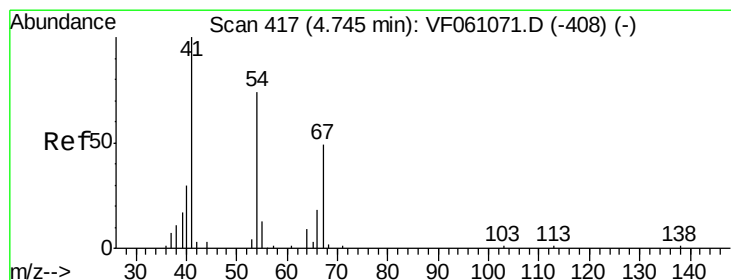
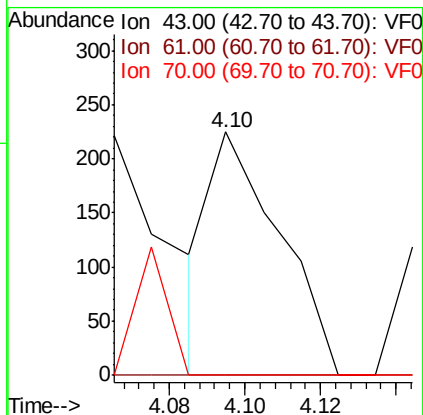




#37
Ethyl Acetate
Concen: 6.713 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

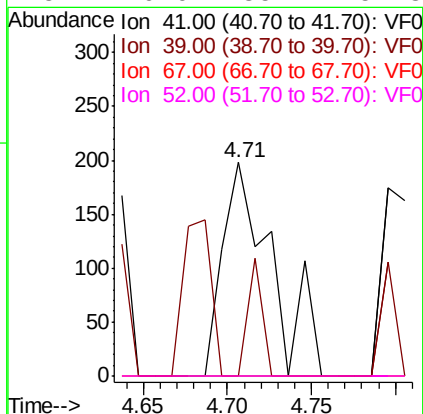
Instrument :
MSVOA_F
ClientSampleId :

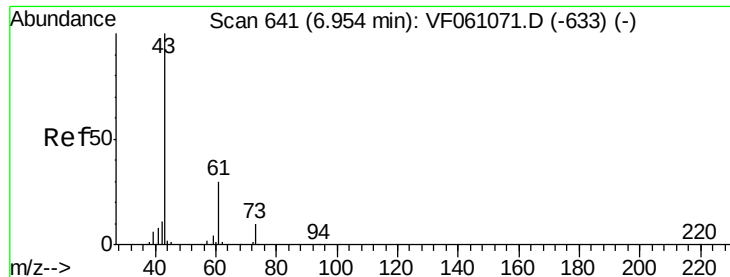
Tot Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
61 0.0 56.6 84.8#
70 0.0 6.3 9.5#



#41
Methacrylonitrile
Concen: 20.344 ug/l
RT: 4.71 min Scan# 413
Delta R.T. -0.04 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Tgt Ion: 41 Resp: 400
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#





#43

Isopropyl Acetate

Concen: 7.697 ug/l

RT: 6.90 min Scan# 635

Delta R.T. -0.06 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampled :

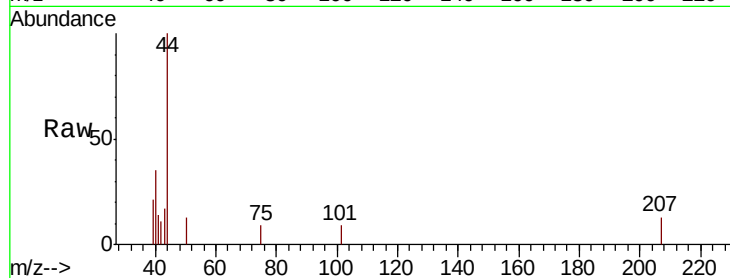
Tot Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

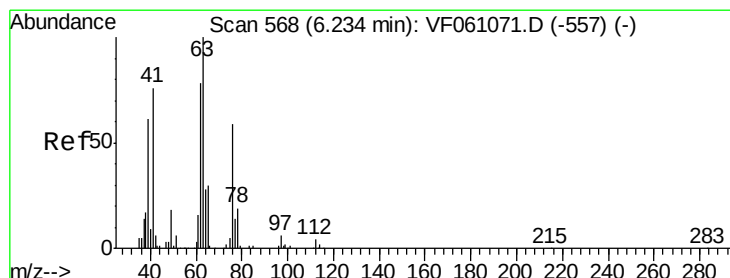
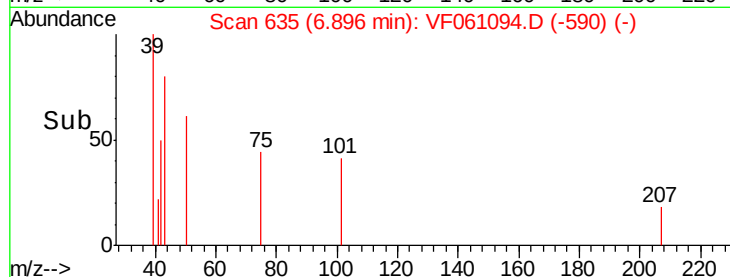
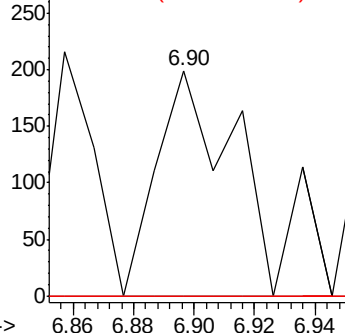
87 0.0 0.0 0.0



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: 1.505 ug/l

RT: 6.08 min Scan# 552

Delta R.T. -0.16 min

Lab File: VF061094.D

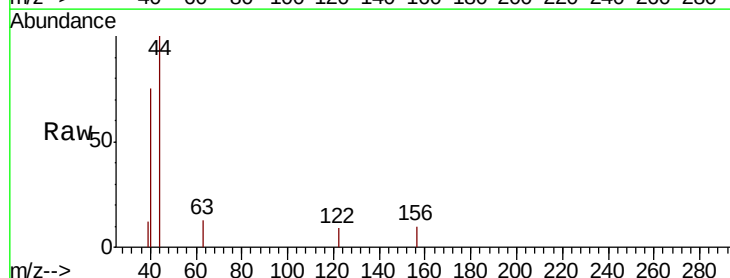
Acq: 19 Dec 2018 19:34

Tgt Ion: 63 Resp: 82

Ion Ratio Lower Upper

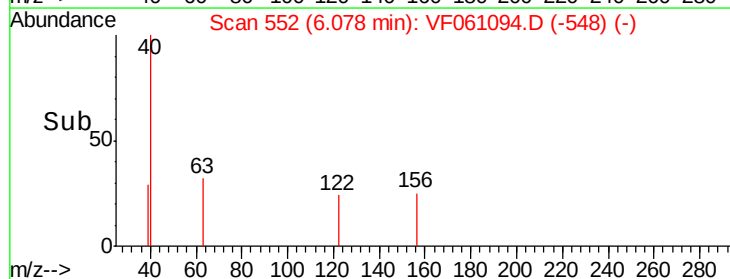
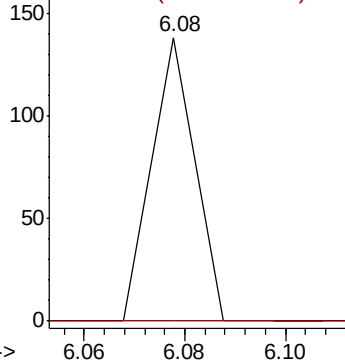
63 100

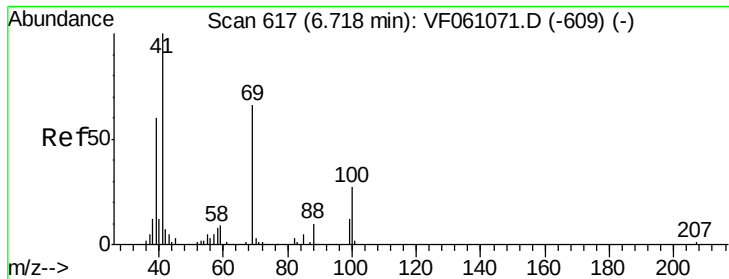
65 0.0 24.4 36.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

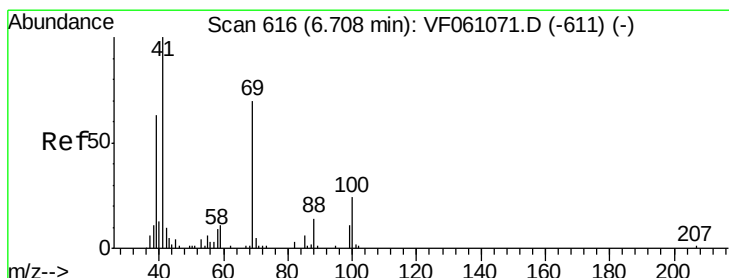
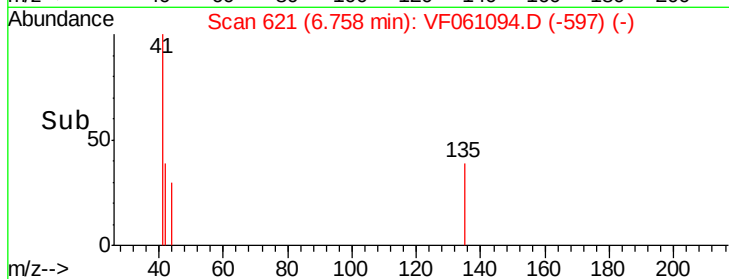
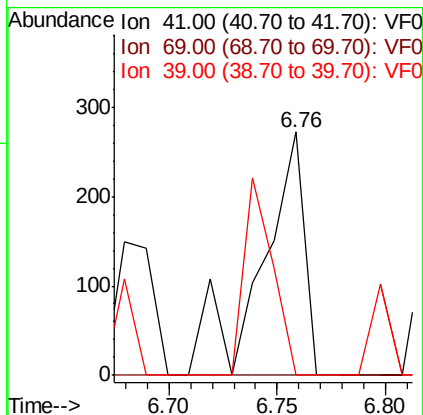
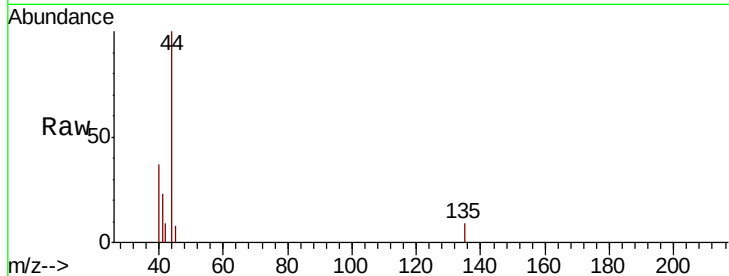




#48
Methyl methacrylate
Concen: 11.981 ug/l
RT: 6.76 min Scan# 621
Delta R.T. 0.04 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

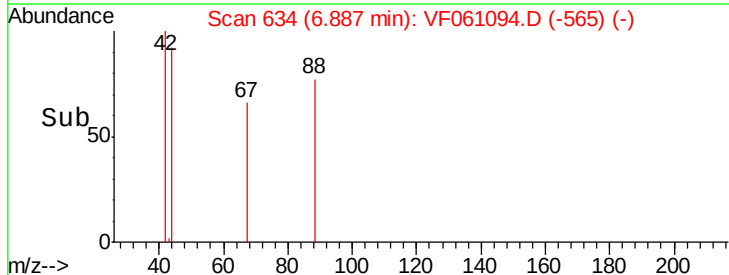
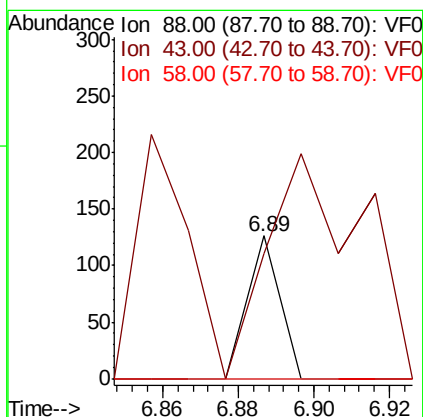
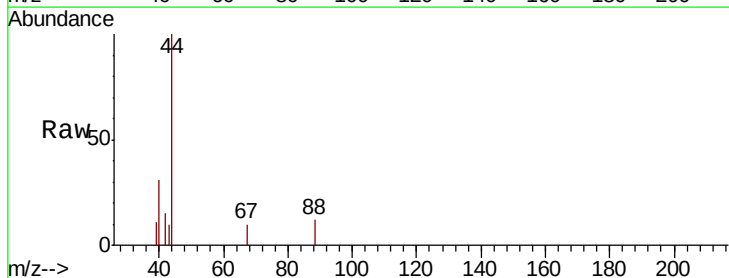
Instrument :
MSVOA_F
ClientSampleId :

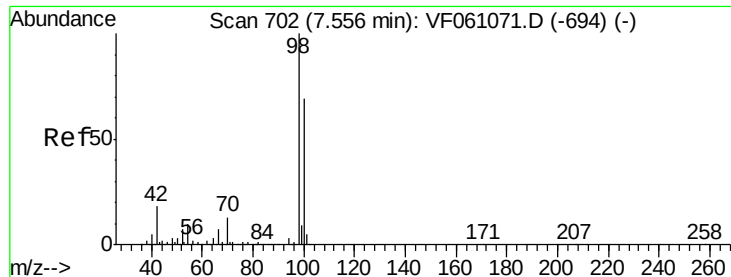
Tot Ion: 41 Resp: 376
Ion Ratio Lower Upper
41 100
69 0.0 52.7 79.1#
39 0.0 47.8 71.6#



#49
1,4-Dioxane
Concen: 329.364 ug/l
RT: 6.89 min Scan# 634
Delta R.T. 0.18 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 88.1 33.3 49.9#
58 0.0 53.2 79.8#





#50

Toluene-d8

Concen: 38.163 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

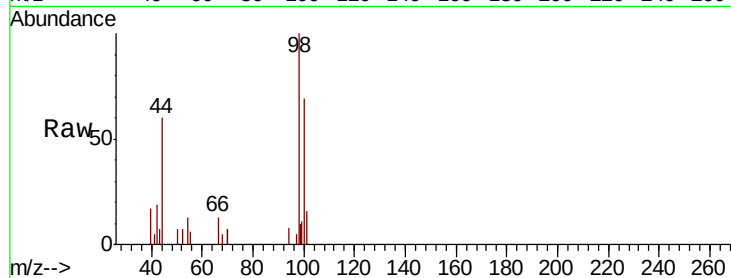
ClientSampleId :

Tot Ion: 98 Resp: 6682

Ion Ratio Lower Upper

98 100

100 68.9 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

2500

2000

1500

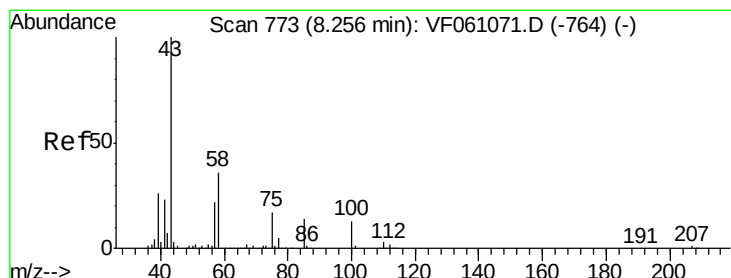
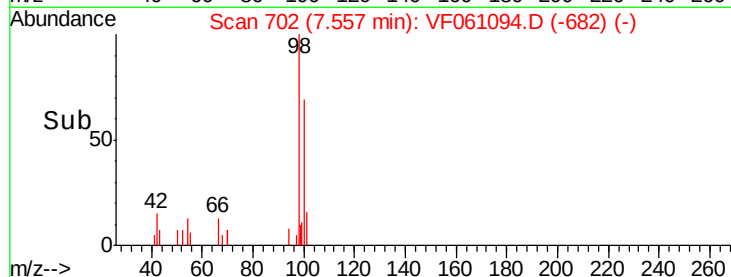
1000

500

0

7.55 7.56 7.57

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.043 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061094.D

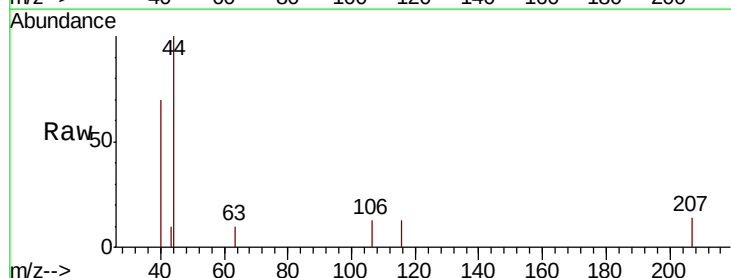
Acq: 19 Dec 2018 19:34

Tgt Ion: 43 Resp: 63

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

8.26

120

100

80

60

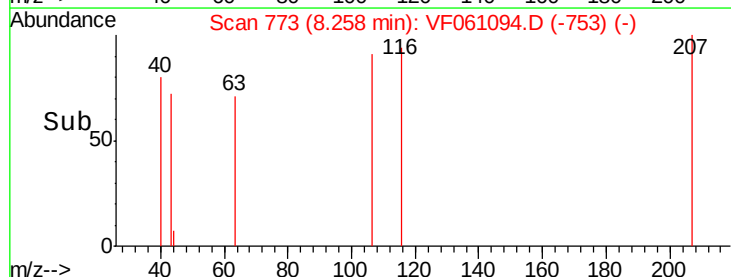
40

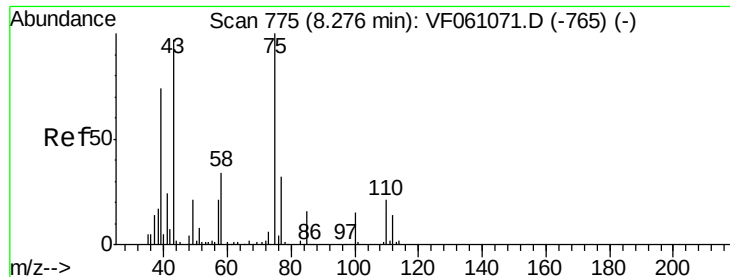
20

0

8.24 8.25 8.26 8.27

Time-->





#53

t-1,3-Dichloropropene

Concen: 1.013 ug/l

RT: 8.20 min Scan# 767

Delta R.T. -0.08 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

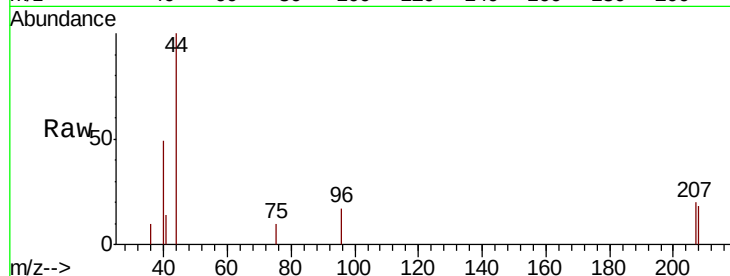
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 75

Ion Ratio Lower Upper

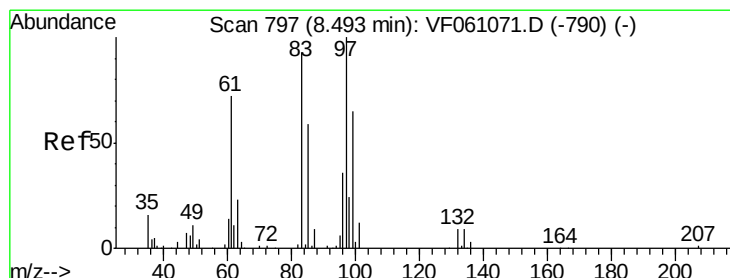
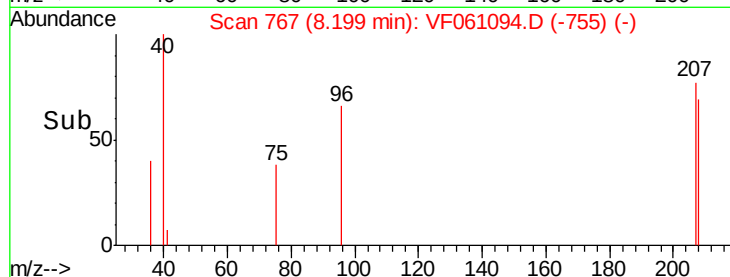
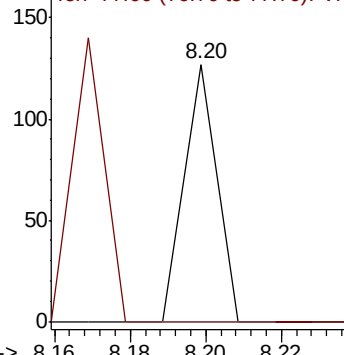
75 100

77 0.0 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#55

1,1,2-Trichloroethane

Concen: 1.611 ug/l

RT: 8.44 min Scan# 791

Delta R.T. -0.06 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Tgt Ion: 97 Resp: 64

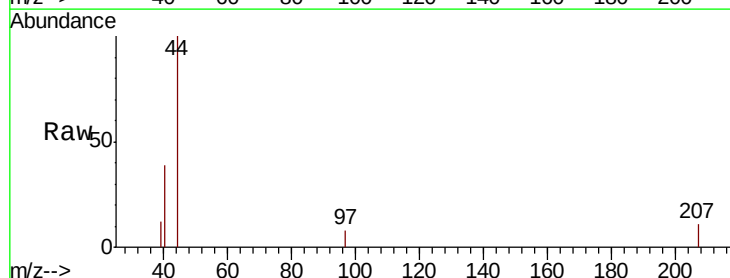
Ion Ratio Lower Upper

97 100

83 0.0 75.0 112.4#

85 0.0 47.5 71.3#

99 0.0 51.9 77.9#

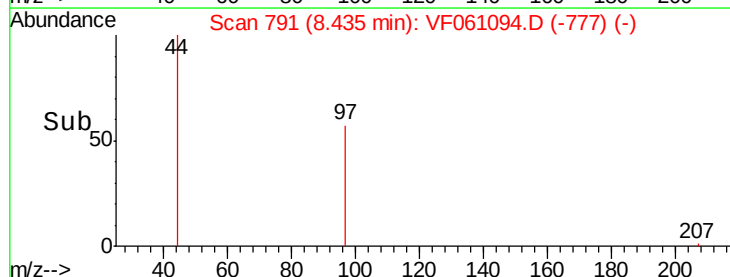
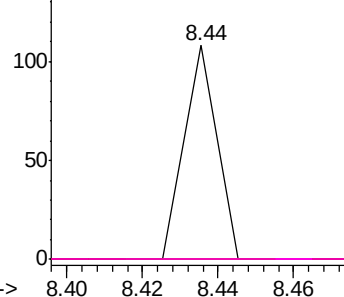


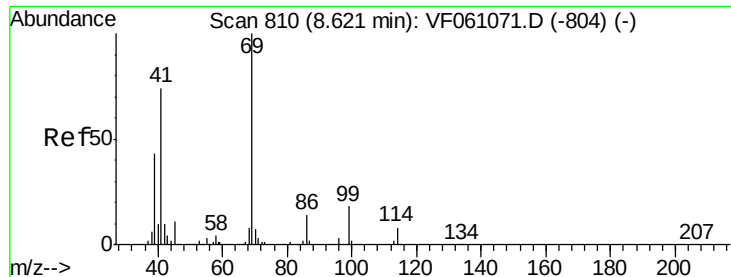
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#56

Ethyl methacrylate

Concen: 1.442 ug/l

RT: 8.54 min Scan# 802

Delta R.T. -0.08 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampled :

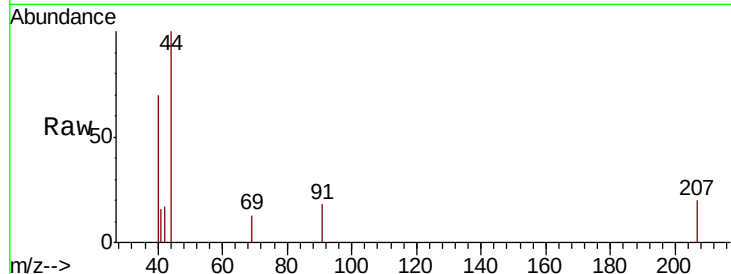
Tot Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 117.3 59.7 89.5#

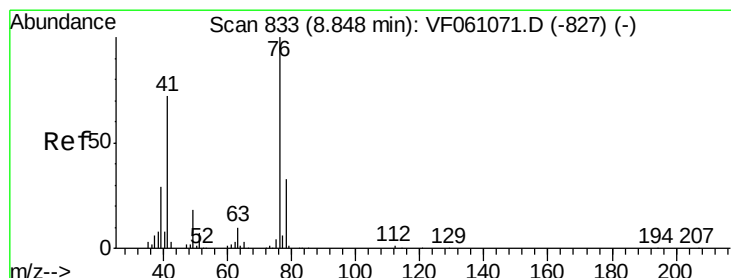
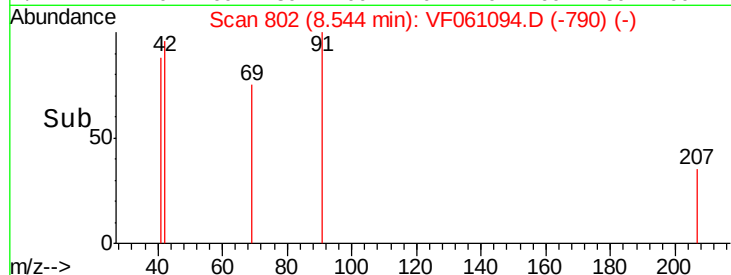
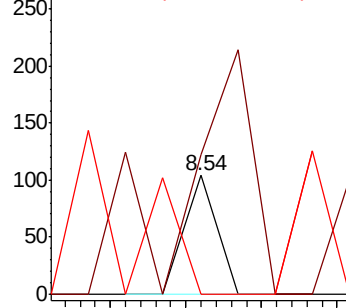
39 0.0 35.0 52.6#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 1.364 ug/l

RT: 8.73 min Scan# 821

Delta R.T. -0.12 min

Lab File: VF061094.D

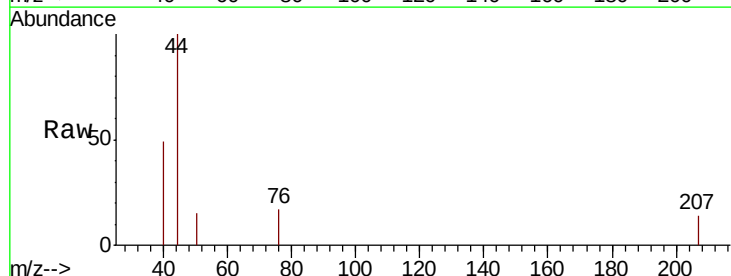
Acq: 19 Dec 2018 19:34

Tgt Ion: 76 Resp: 98

Ion Ratio Lower Upper

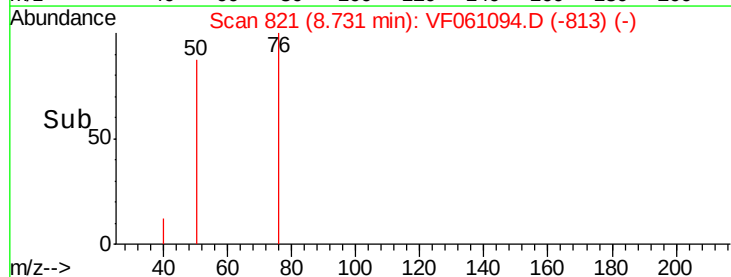
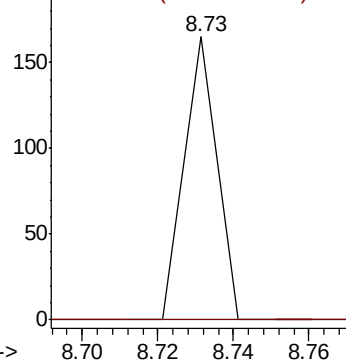
76 100

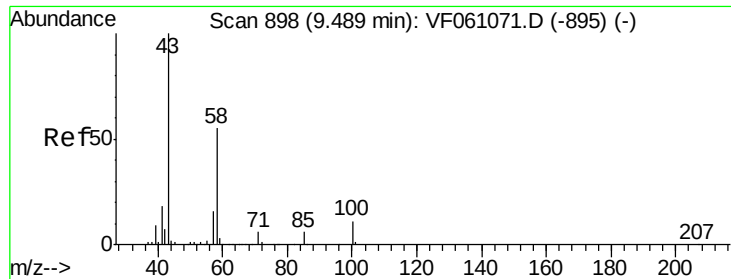
78 0.0 26.5 39.7#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

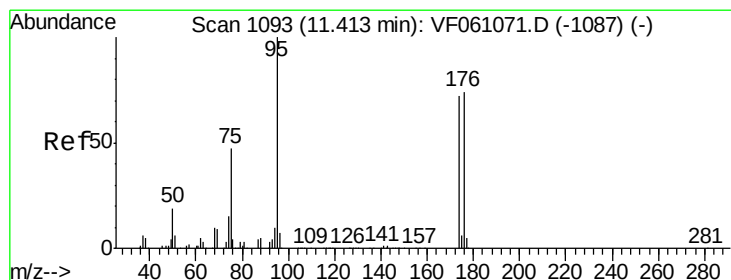
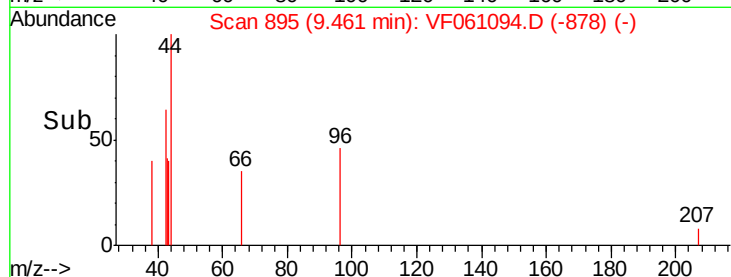
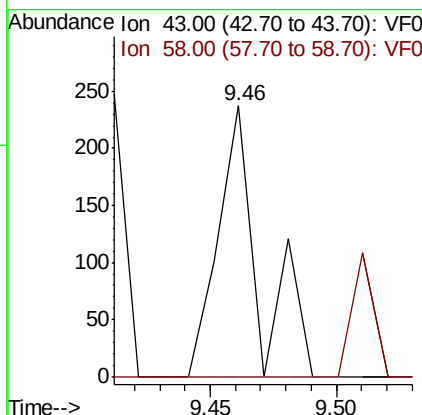
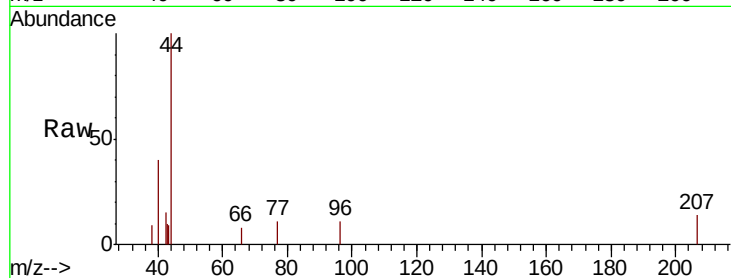




#59
2-Hexanone
Concen: 12.200 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.03 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

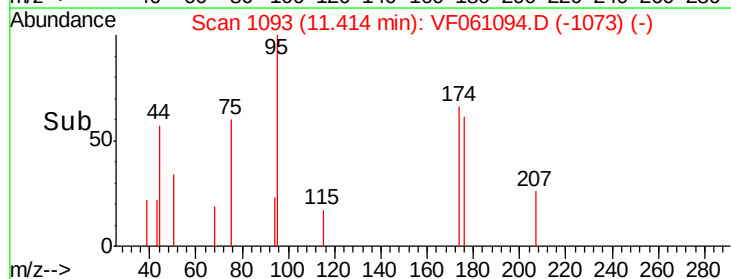
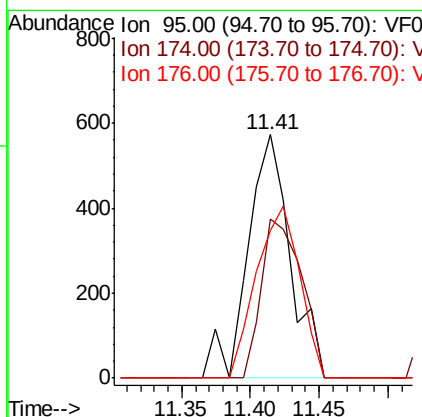
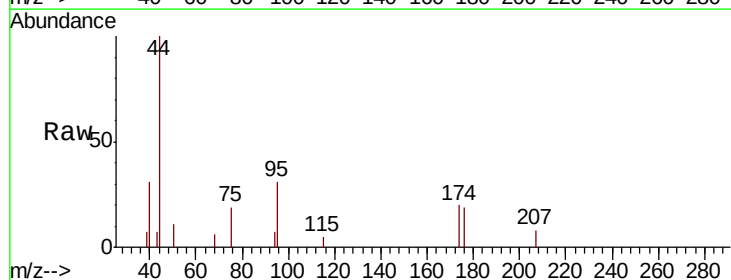
Instrument :
MSVOA_F
ClientSampleId :

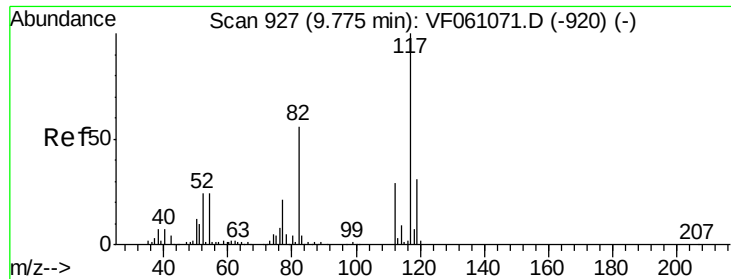
Tot Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 15.287 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Tgt Ion: 95 Resp: 1234
Ion Ratio Lower Upper
95 100
174 65.6 0.0 143.8
176 60.7 0.0 147.6

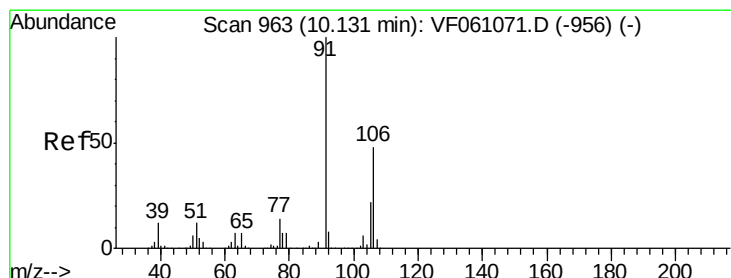
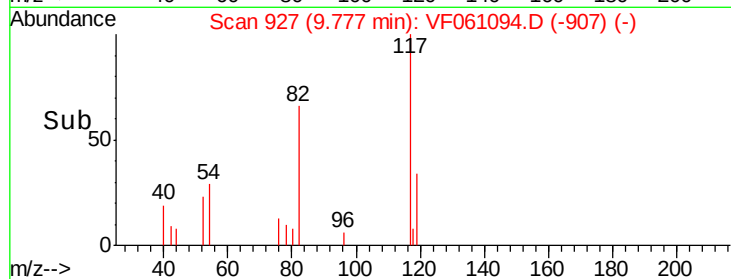
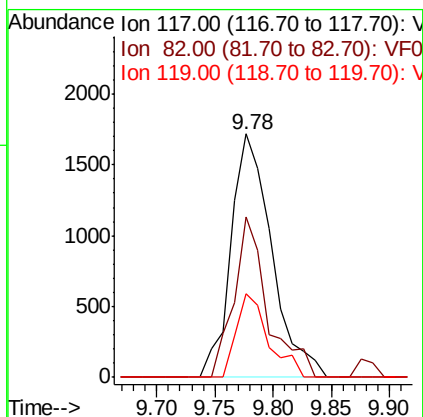
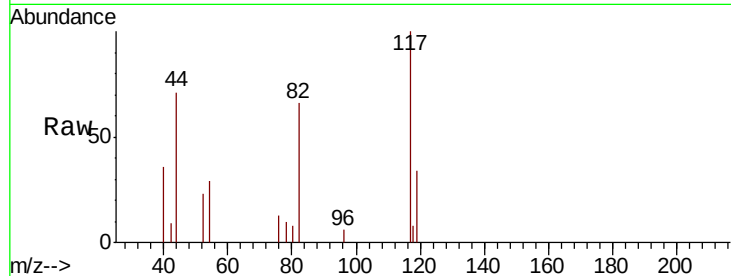




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

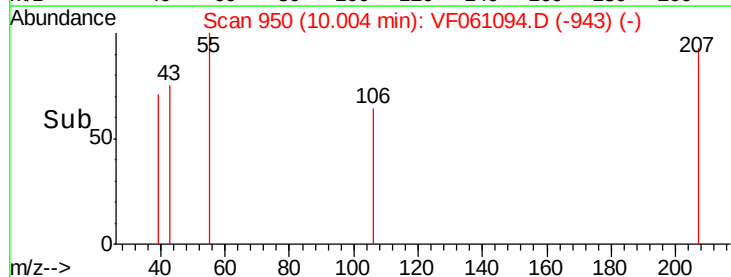
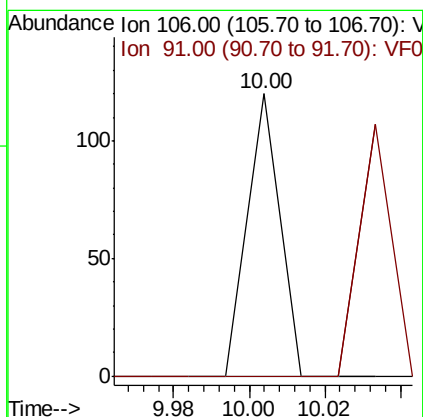
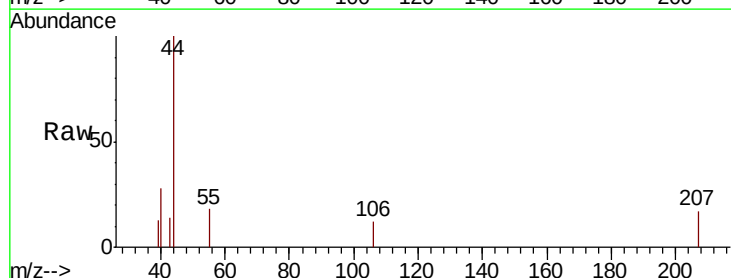
Instrument :
MSVOA_F
ClientSampleId :

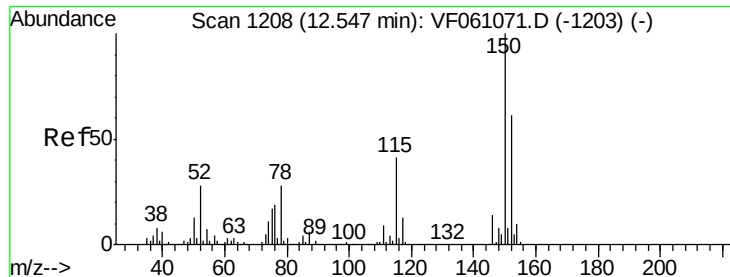
Tot Ion:117 Resp: 4169
Ion Ratio Lower Upper
117 100
82 65.9 45.0 67.4
119 34.2 24.8 37.2



#68
m/p-Xylenes
Concen: 1.286 ug/l
RT: 10.00 min Scan# 950
Delta R.T. -0.13 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Tgt Ion:106 Resp: 71
Ion Ratio Lower Upper
106 100
91 0.0 168.2 252.2#



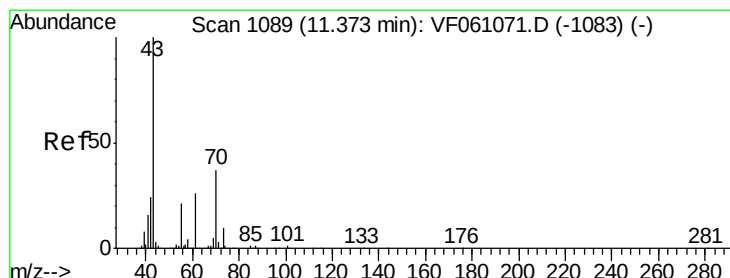
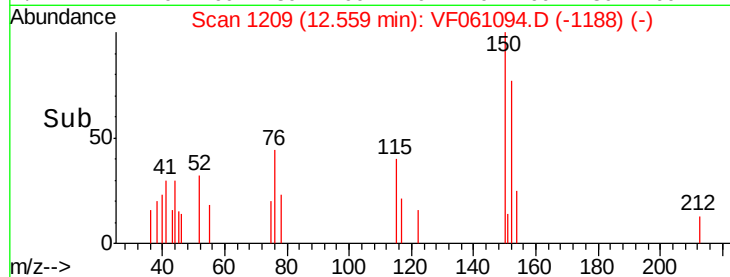
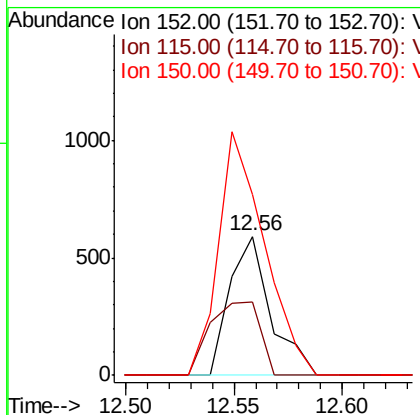
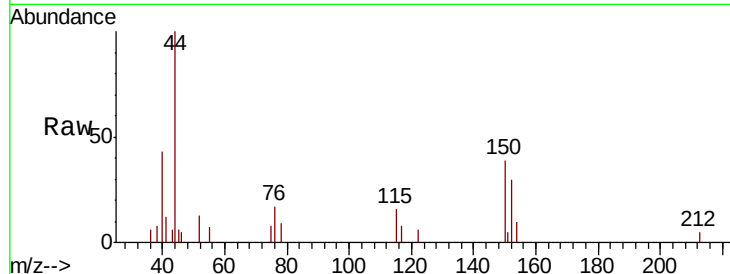


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampled :

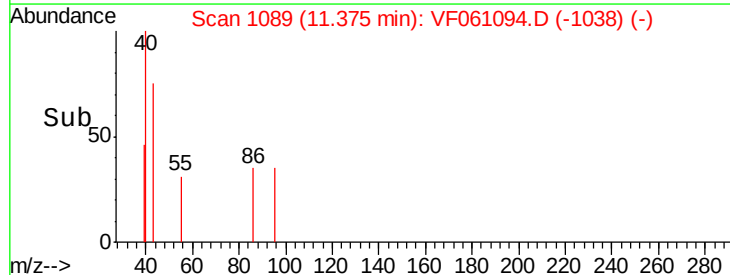
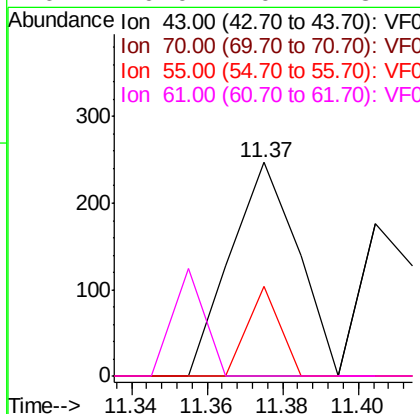
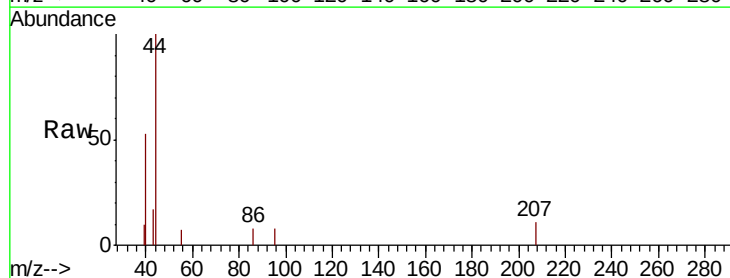
Tot Ion:152 Resp: 781
Ion Ratio Lower Upper
152 100
115 52.4 33.3 99.9
150 130.4 0.0 328.2

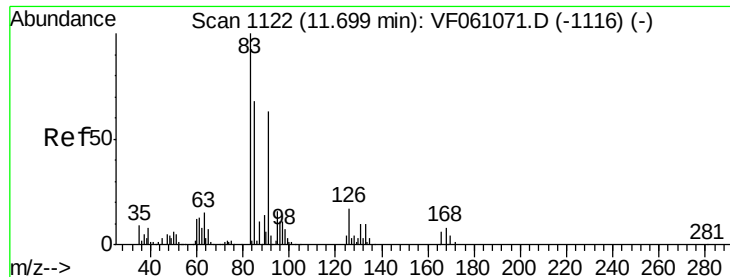


#74

N-amyl acetate
Concen: 20.345 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VF061094.D
Acq: 19 Dec 2018 19:34

Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
70 0.0 29.2 43.8#
55 42.1 16.5 24.7#
61 0.0 20.7 31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 7.431 ug/l

RT: 11.67 min Scan# 1119

Delta R.T. -0.03 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

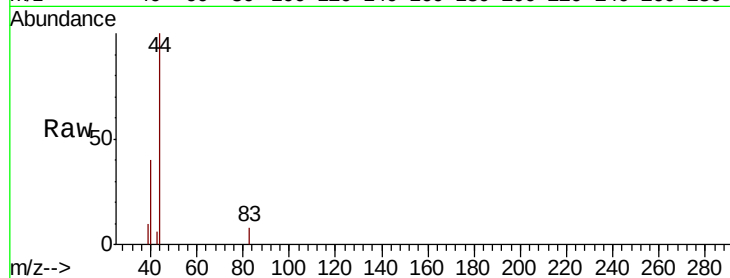
Tot Ion: 83 Resp: 83

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

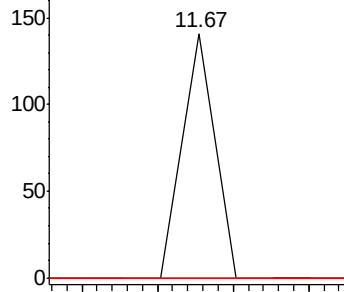
85 0.0 33.9 101.6#



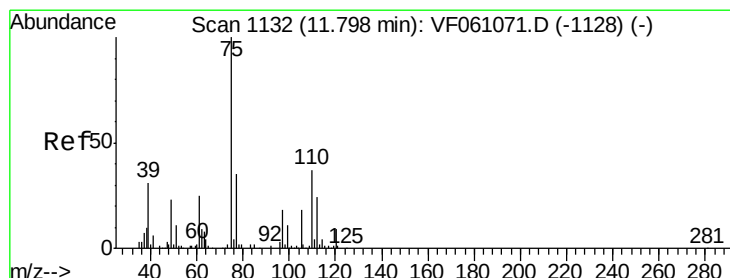
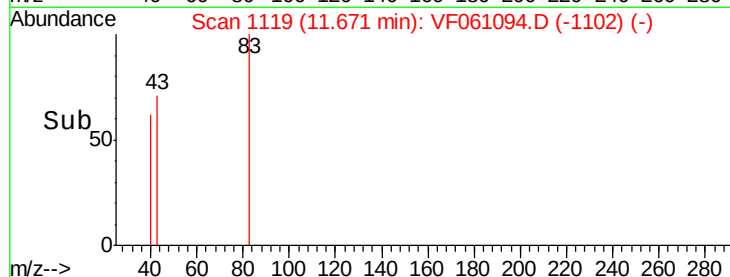
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



Time--> 11.64 11.66 11.68 11.70



#76

1,2,3-Trichloropropane

Concen: 8.782 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.10 min

Lab File: VF061094.D

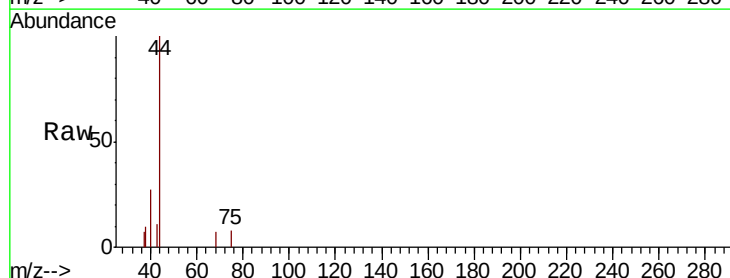
Acq: 19 Dec 2018 19:34

Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

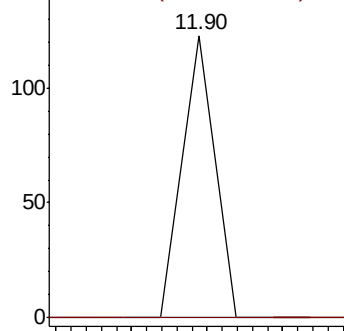
75 100

77 0.0 17.6 52.9#

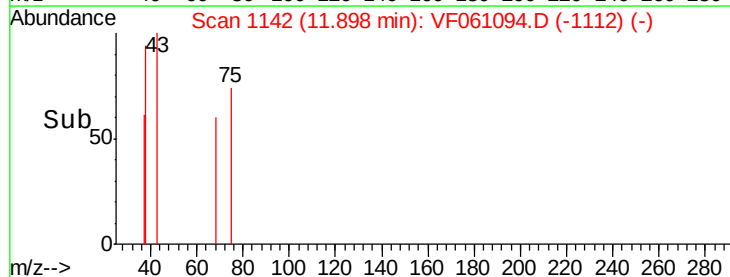


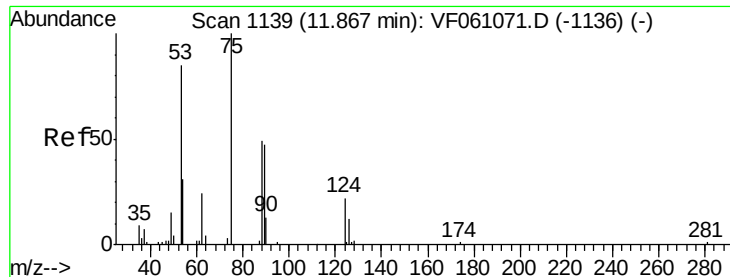
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time--> 11.86 11.88 11.90 11.92





#81

trans-1,4-Dichloro-2-butene

Concen: 20.436 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.03 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

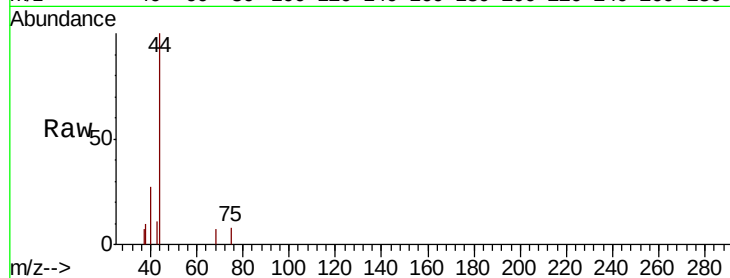
Tot Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

53 0.0 74.1 111.1#

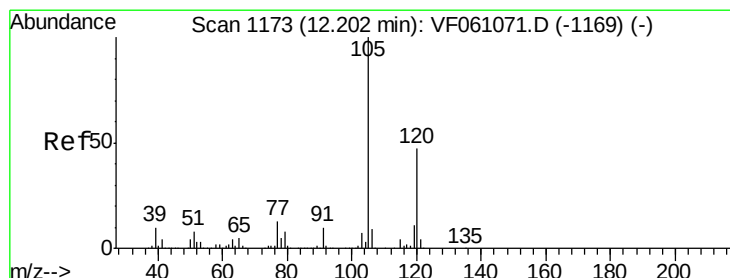
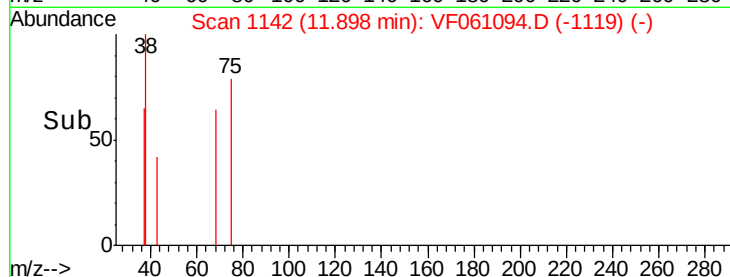
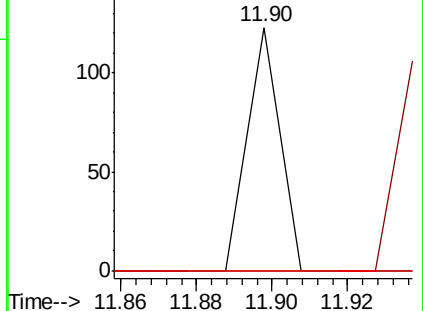
89 0.0 42.6 64.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.375 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.10 min

Lab File: VF061094.D

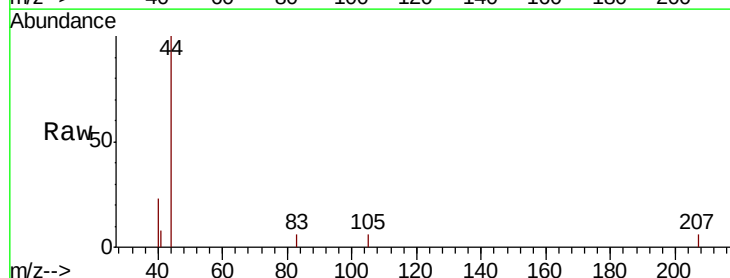
Acq: 19 Dec 2018 19:34

Tgt Ion: 105 Resp: 76

Ion Ratio Lower Upper

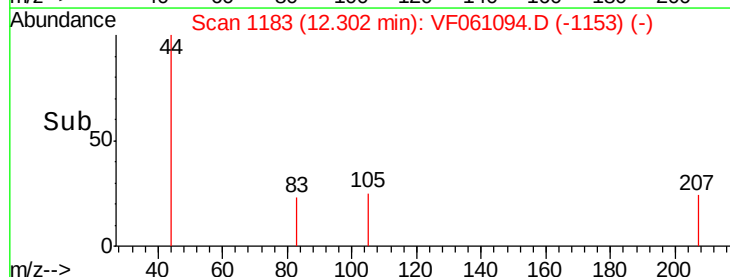
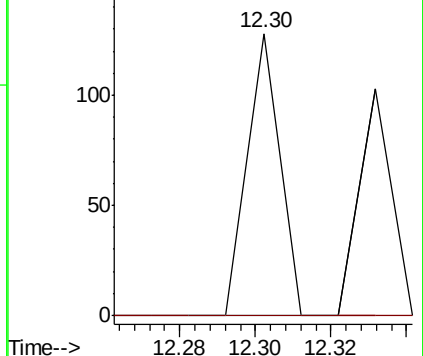
105 100

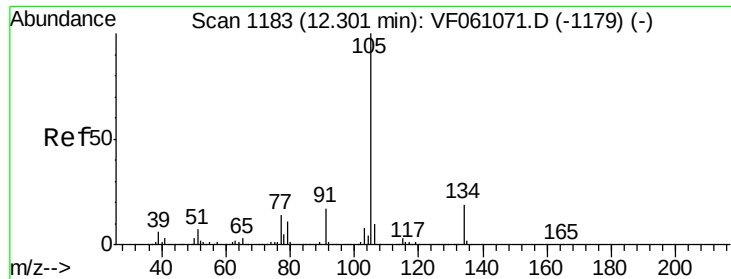
120 0.0 23.6 71.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.021 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF061094.D

Acq: 19 Dec 2018 19:34

Instrument :

MSVOA_F

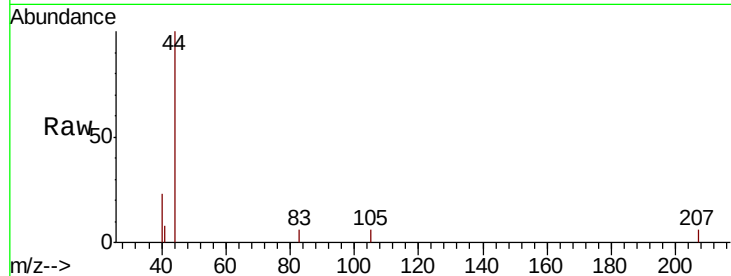
ClientSampled :

Tot Ion:105 Resp: 76

Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.2#

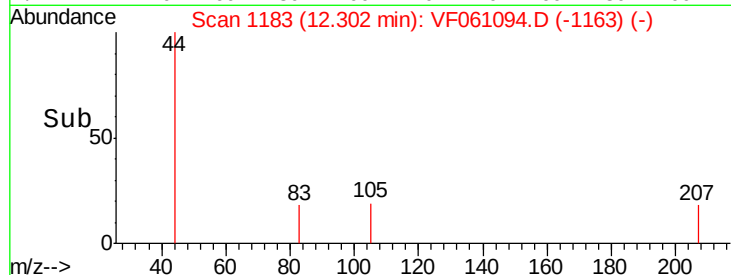


Abundance Ion 105.00 (104.70 to 105.70): V

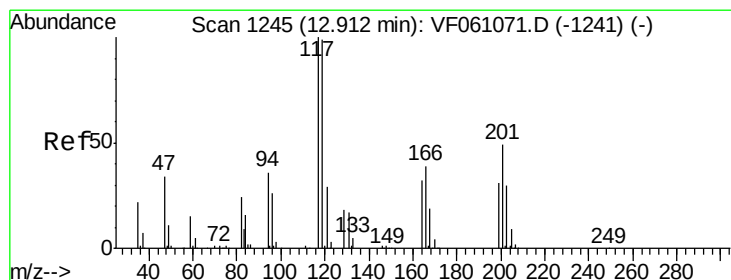
Ion 134.00 (133.70 to 134.70): V

12.30

12.32



Time-->



#90

Hexachloroethane

Concen: 4.521 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. 0.06 min

Lab File: VF061094.D

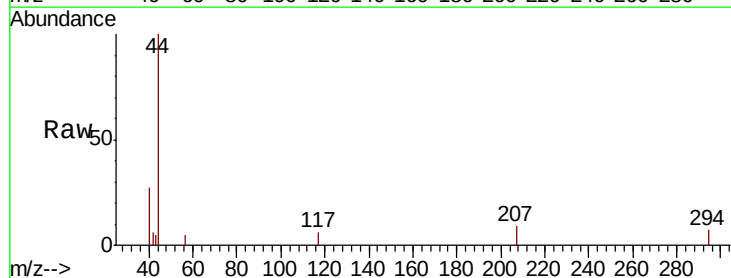
Acq: 19 Dec 2018 19:34

Tgt Ion:117 Resp: 69

Ion Ratio Lower Upper

117 100

201 0.0 24.9 74.8#



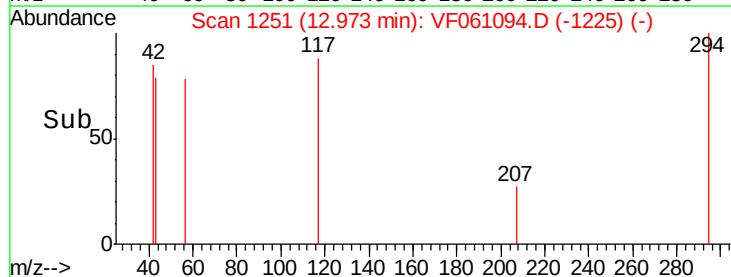
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

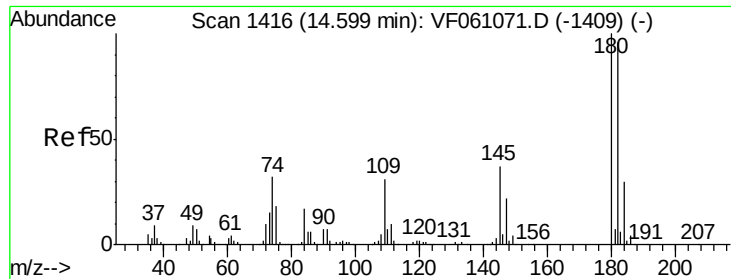
12.97

12.98

13.00



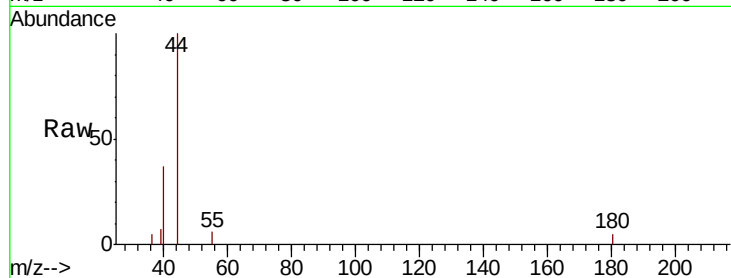
Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 4.122 ug/l
 RT: 14.48 min Scan# 1404
 Delta R.T. -0.12 min
 Lab File: VF061094.D
 Acq: 19 Dec 2018 19:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.8#
145	0.0	18.6	55.8#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

