

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062769.D
 Acq On : 28 May 2019 19:17
 Operator : FY/SY
 Sample : K3072-05
 Misc : 6.45g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5

Quant Time: May 29 01:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	84394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	97660	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	57167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	12809	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	9783	16.40	ug/l	0.00
Spiked Amount			Recovery	=	32.80%	
35) Dibromofluoromethane	4.33	113	19094	25.55	ug/l	0.02
Spiked Amount			Recovery	=	51.10%	
50) Toluene-d8	7.72	98	69323	38.85	ug/l	0.00
Spiked Amount			Recovery	=	77.70%	
62) 4-Bromofluorobenzene	11.51	95	12366	18.27	ug/l	0.00
Spiked Amount			Recovery	=	36.54%	

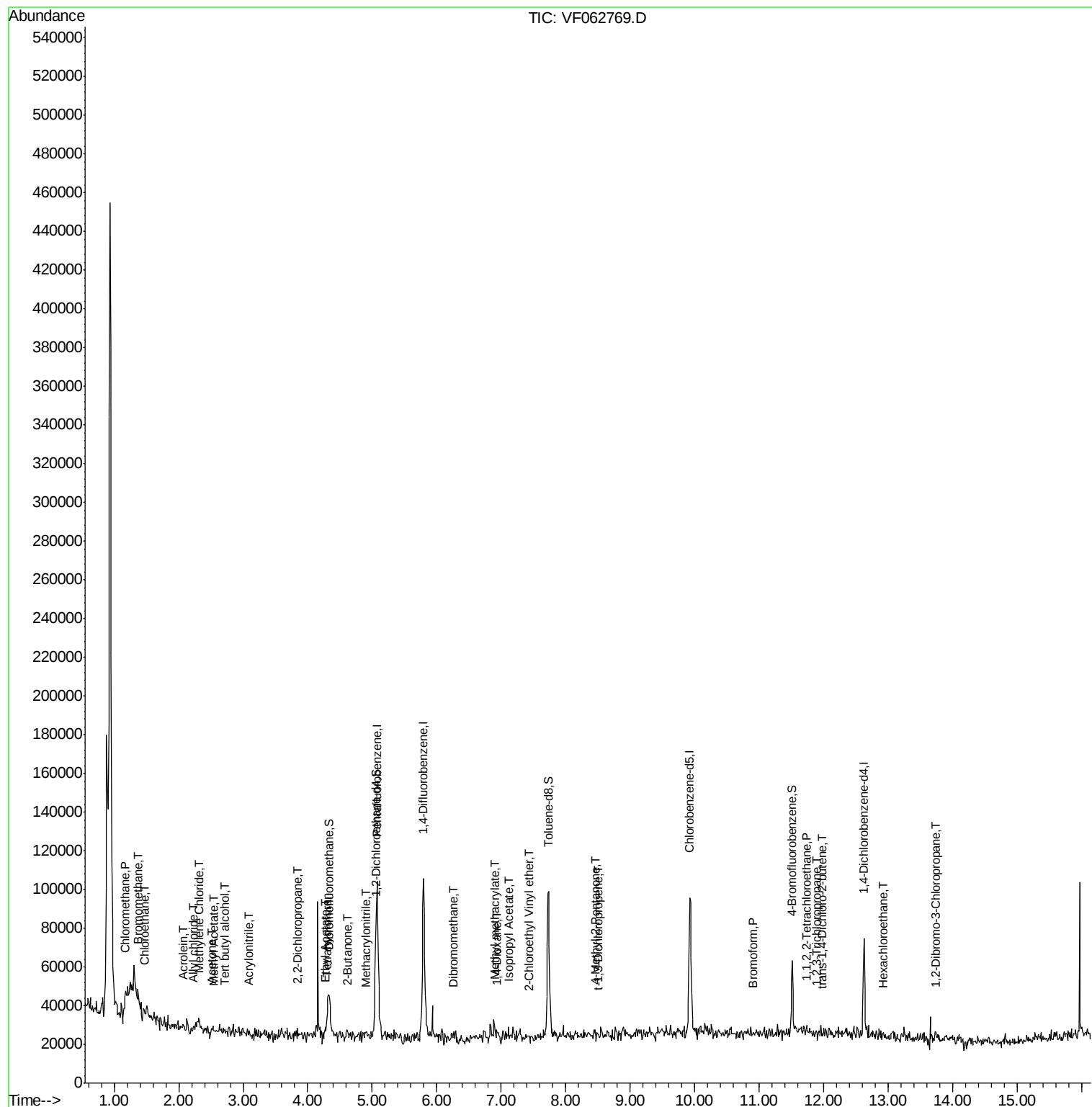
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.16	50	1142	1.080	ug/l #	40
5) Bromomethane	1.37	94	1515	2.845	ug/l	86
6) Chloroethane	1.47	64	509	1.424	ug/l #	1
11) Tert butyl alcohol	2.72	59	698	17.728	ug/l #	1
13) Acrolein	2.07	56	1205	29.319	ug/l #	59
14) Allyl chloride	2.21	41	911	1.328	ug/l #	54
15) Acrylonitrile	3.10	53	419	3.773	ug/l #	36
16) Acetone	2.51	43	380	2.456	ug/l	96
18) Methyl Acetate	2.56	43	531	2.184	ug/l	95
20) Methylene Chloride	2.31	84	3200	4.126	ug/l #	73
25) 2-Butanone	4.62	43	1218	3.685	ug/l	93
26) 2,2-Dichloropropane	3.85	77	1054	1.484	ug/l	87
29) Tetrahydrofuran	4.28	42	623	4.657	ug/l #	72
37) Ethyl Acetate	4.27	43	587	1.437	ug/l #	8
41) Methacrylonitrile	4.92	41	3363	15.699	ug/l #	38
43) Isopropyl Acetate	7.11	43	836	1.579	ug/l #	73
46) Dibromomethane	6.27	93	666	1.675	ug/l #	3
48) Methyl methacrylate	6.91	41	608	2.197	ug/l #	48
49) 1,4-Dioxane	6.92	88	64	18.060	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	1065	2.943	ug/l #	47
53) t-1,3-Dichloropropene	8.51	75	1458	2.158	ug/l #	56
58) 2-Chloroethyl Vinyl ether	7.43	63	794	4.837	ug/l #	22
59) 2-Hexanone	9.58	43	224	Below Cal		97
71) Bromoform	10.90	173	263	1.165	ug/l #	27
74) N-amyl acetate	11.42	43	1017	Below Cal	#	44
75) 1,1,2,2-Tetrachloroethane	11.73	83	293	1.562	ug/l #	2
76) 1,2,3-Trichloropropane	11.87	75	610	4.948	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.97	75	107	1.953	ug/l #	26
90) Hexachloroethane	12.93	117	504	2.487	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	13.73	75	606	27.076	ug/l #	1

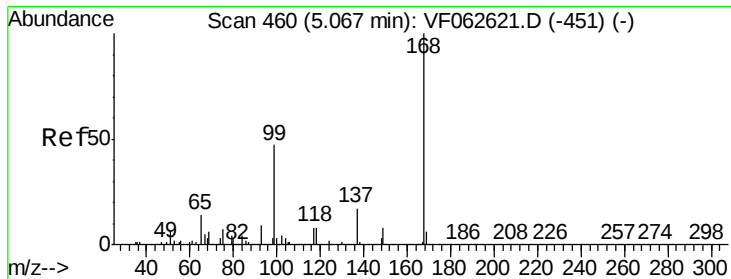
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampleId :

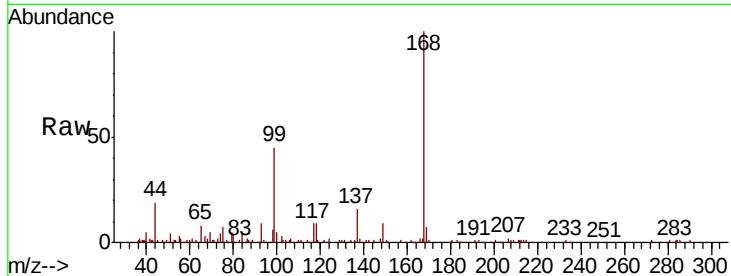
TP-5

Tot Ion:168 Resp: 84394

Ion Ratio Lower Upper

168 100

99 44.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

30000

25000

20000

15000

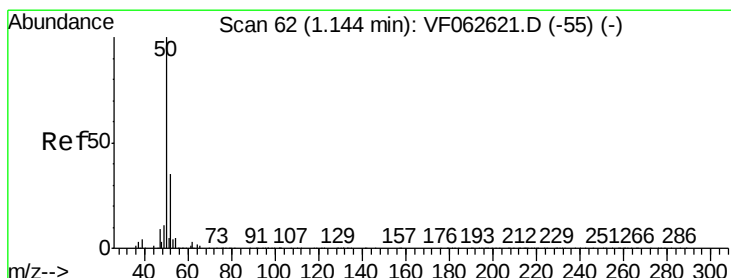
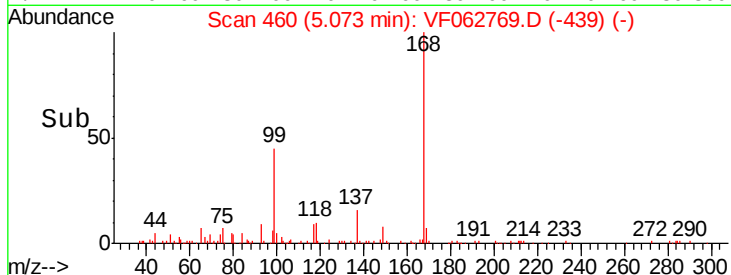
10000

5000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#3

Chloromethane

Concen: 1.080 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.02 min

Lab File: VF062769.D

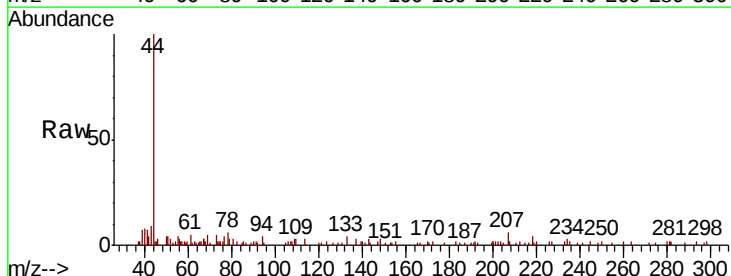
Acq: 28 May 2019 19:17

Tgt Ion: 50 Resp: 1142

Ion Ratio Lower Upper

50 100

52 0.0 27.5 41.3#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.16

800

600

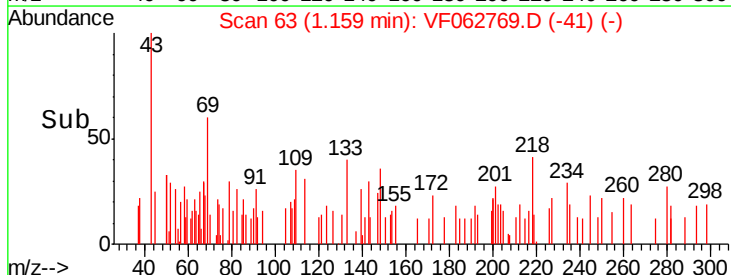
400

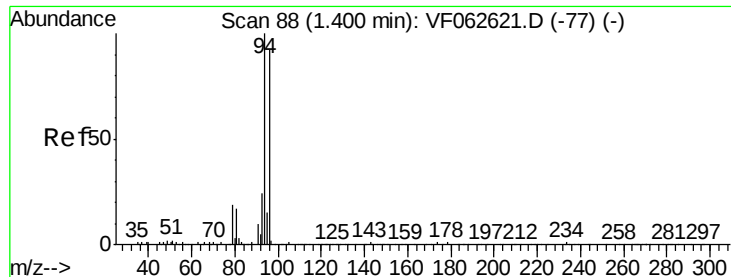
200

0

1.14 1.16 1.18 1.20

Time-->





#5

Bromomethane

Concen: 2.845 ug/l

RT: 1.37 min Scan# 84

Delta R.T. -0.03 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampleId :

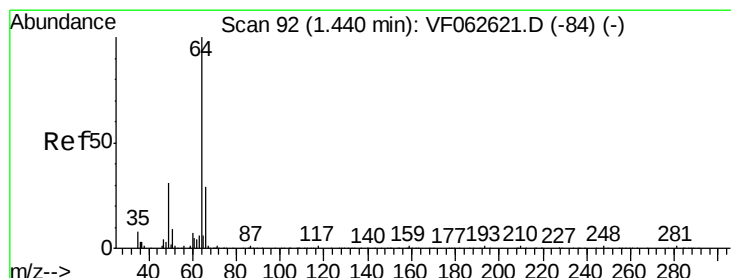
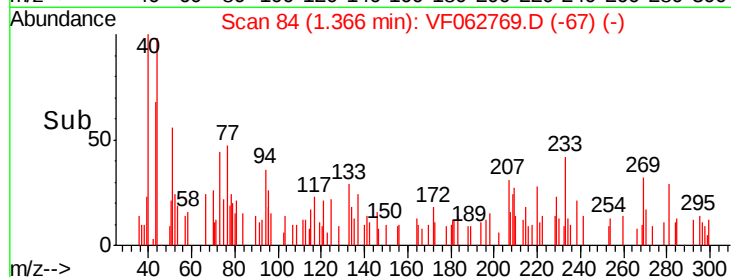
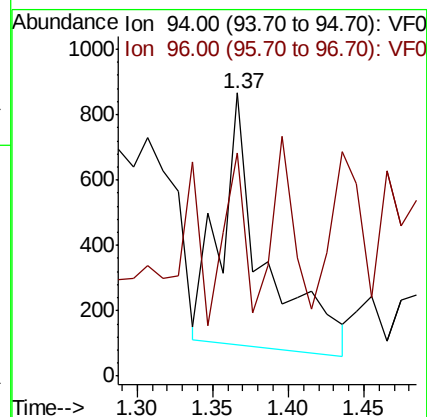
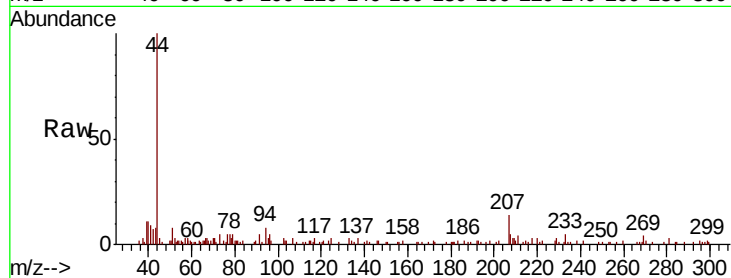
TP-5

Tot Ion: 94 Resp: 1515

Ion Ratio Lower Upper

94 100

96 78.6 73.2 109.8



#6

Chloroethane

Concen: 1.424 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.04 min

Lab File: VF062769.D

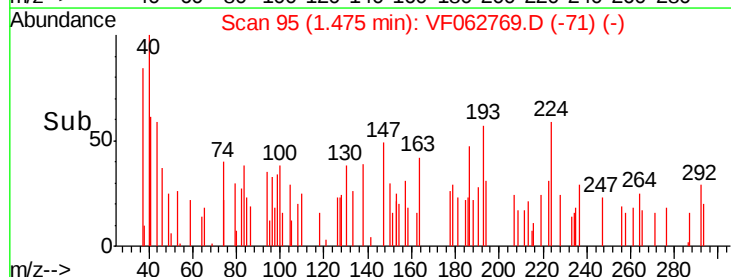
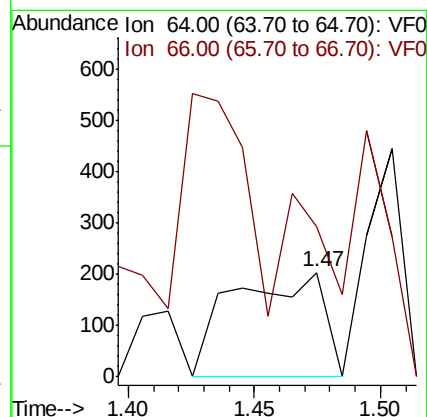
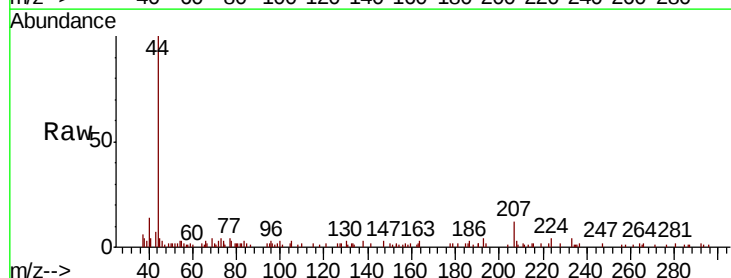
Acq: 28 May 2019 19:17

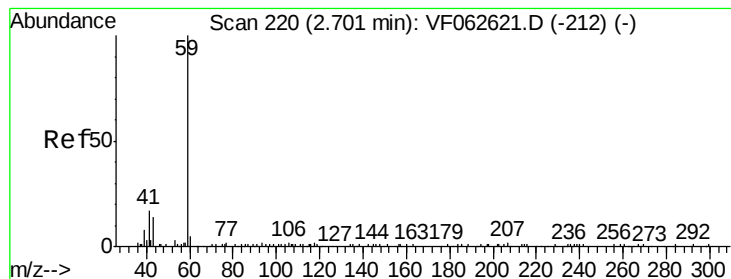
Tgt Ion: 64 Resp: 509

Ion Ratio Lower Upper

64 100

66 143.8 23.4 35.2#



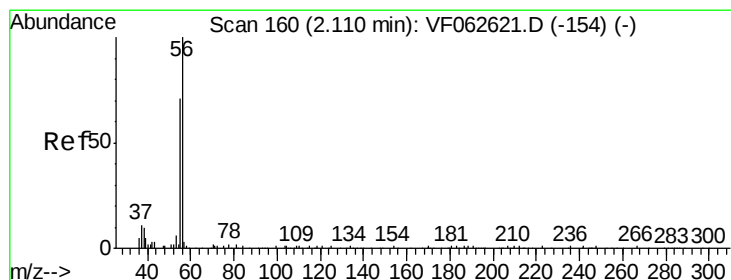
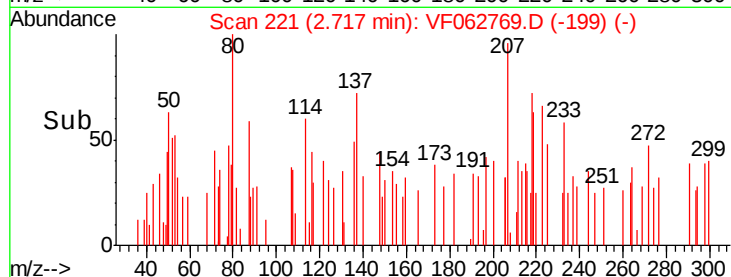
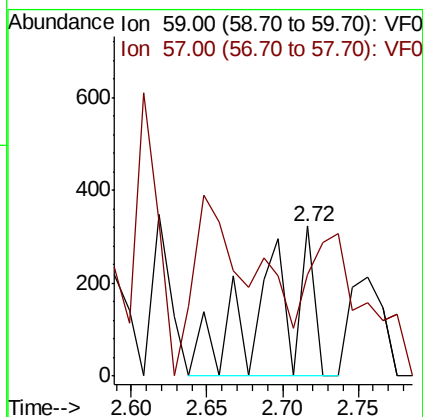
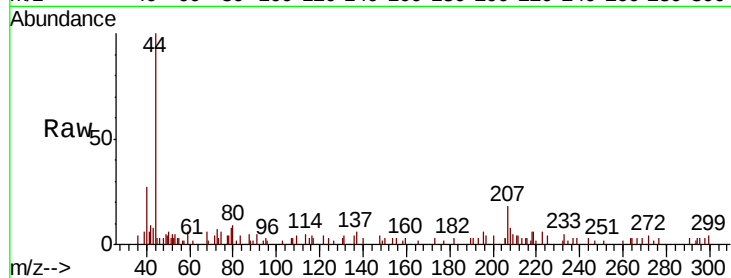


#11

Tert butyl alcohol
 Concen: 17.728 ug/l
 RT: 2.72 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VF062769.D
 Acq: 28 May 2019 19:17

Instrument :
 MSVOA_F
 ClientSampled :
 TP-5

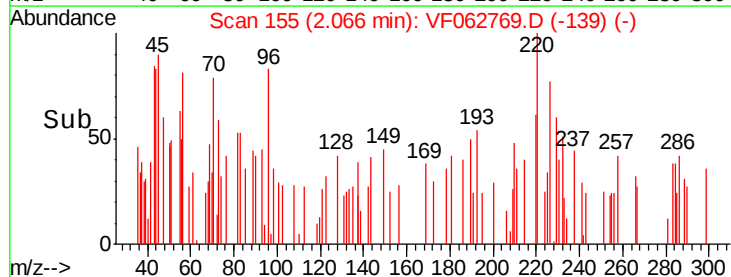
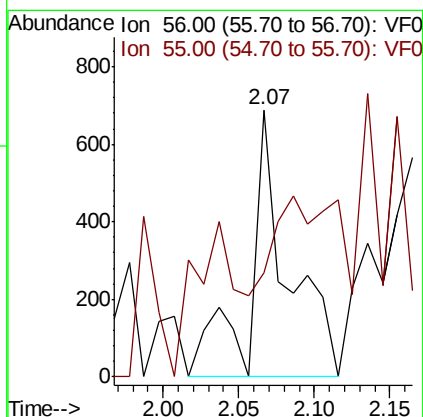
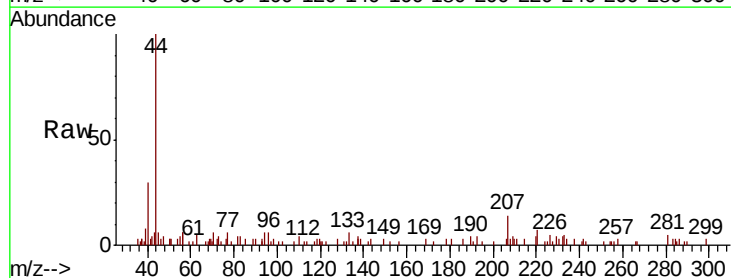
Tot Ion: 59 Resp: 698
 Ion Ratio Lower Upper
 59 100
 57 67.8 9.3 13.9#

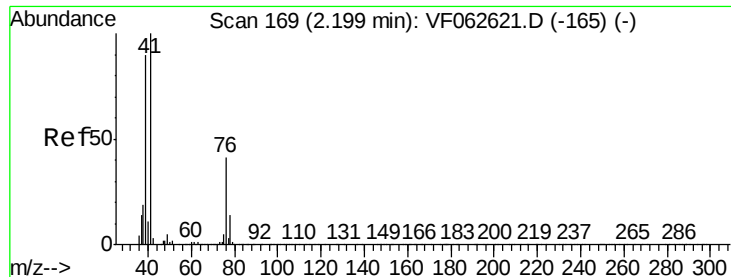


#13

Acrolein
 Concen: 29.319 ug/l
 RT: 2.07 min Scan# 155
 Delta R.T. -0.04 min
 Lab File: VF062769.D
 Acq: 28 May 2019 19:17

Tgt Ion: 56 Resp: 1205
 Ion Ratio Lower Upper
 56 100
 55 39.2 59.4 89.0#





#14

Allvl chloride

Concen: 1.328 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.02 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampleId :

TP-5

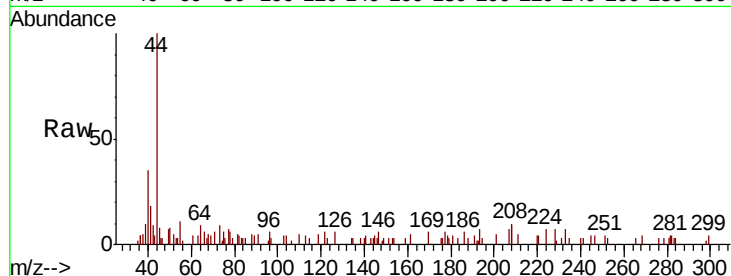
Tot Ion: 41 Resp: 911

Ion Ratio Lower Upper

41 100

39 57.0 72.0 108.0#

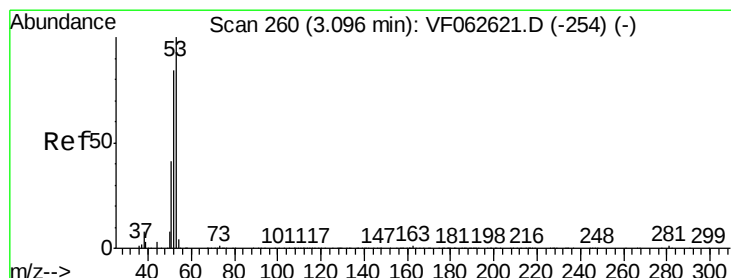
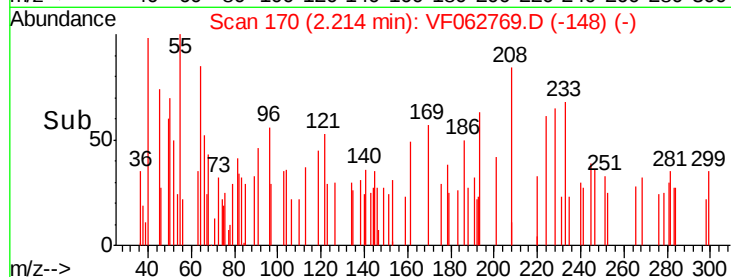
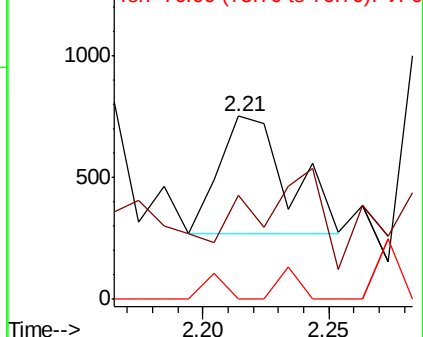
76 0.0 34.8 52.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 3.773 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

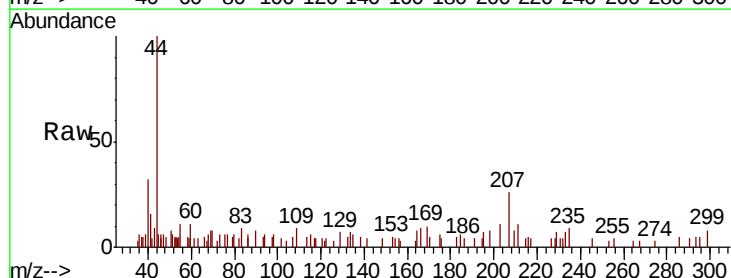
Tgt Ion: 53 Resp: 419

Ion Ratio Lower Upper

53 100

52 97.1 67.3 100.9

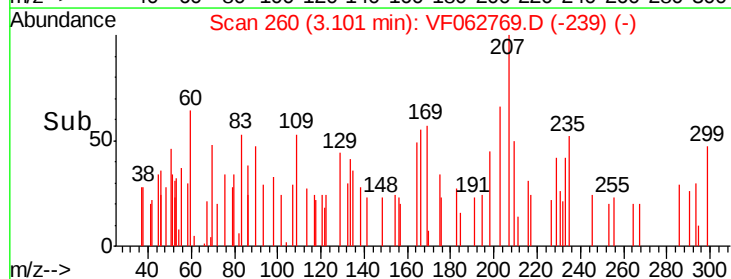
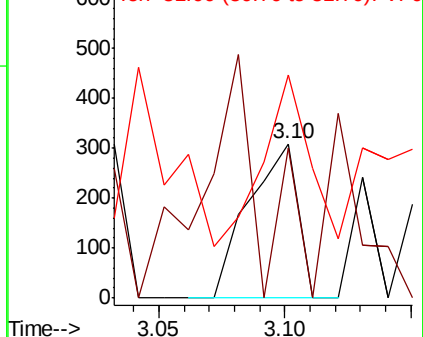
51 145.0 33.0 49.6#

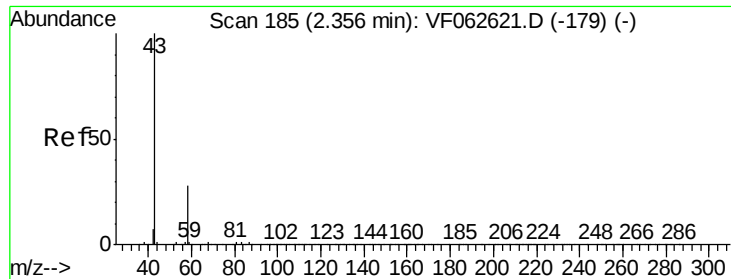


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

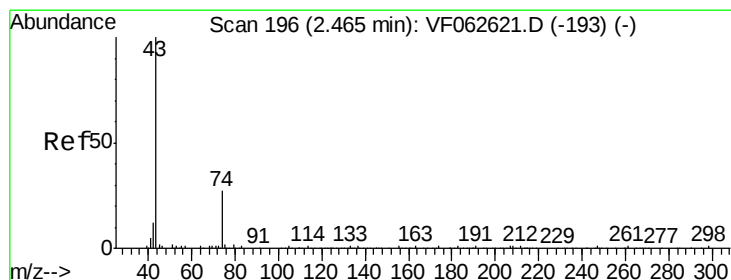
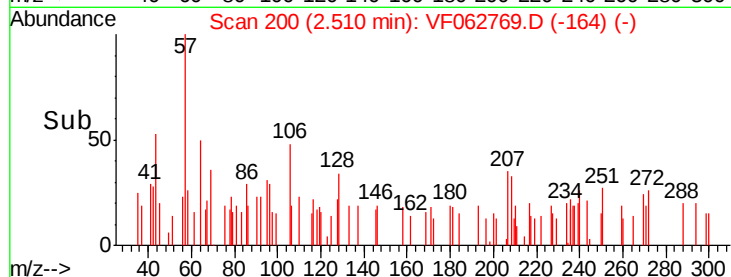
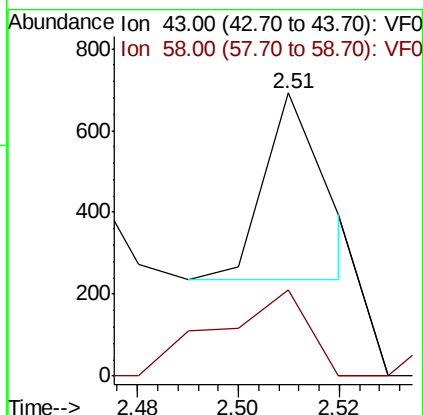
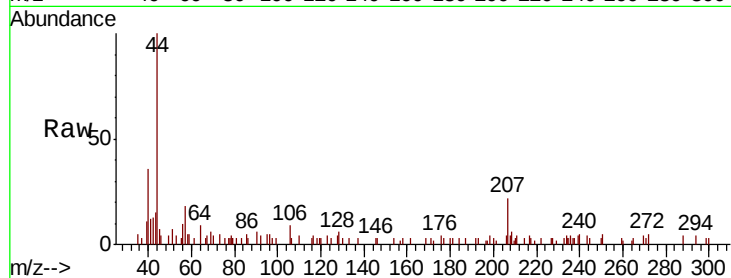




#16
Acetone
Concen: 2.456 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.15 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

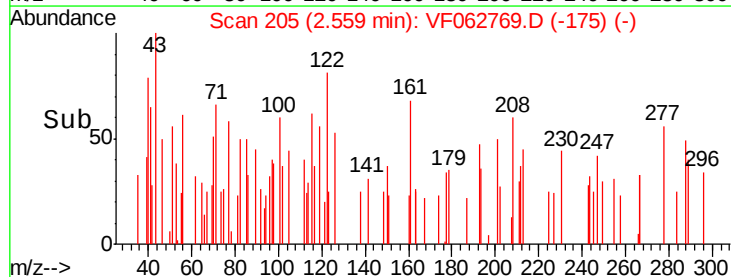
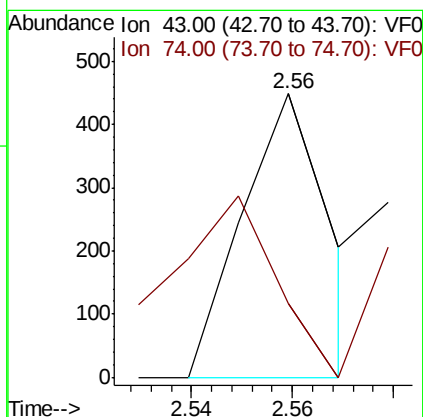
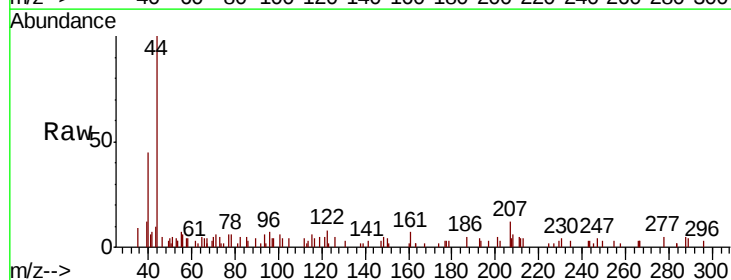
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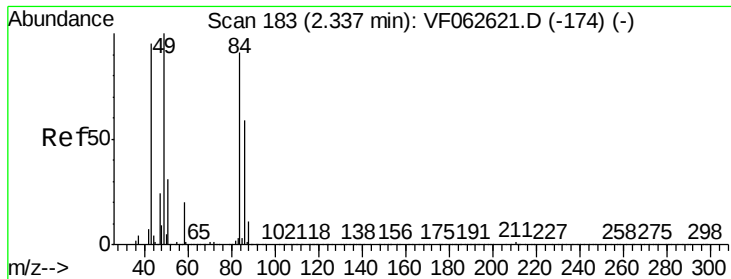
Tot Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
58 30.5 22.6 33.8



#18
Methyl Acetate
Concen: 2.184 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.09 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
74 25.9 18.9 28.3

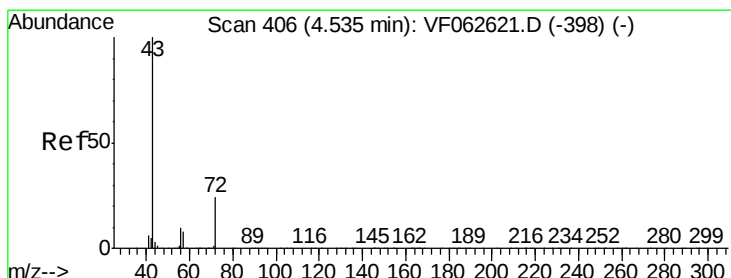
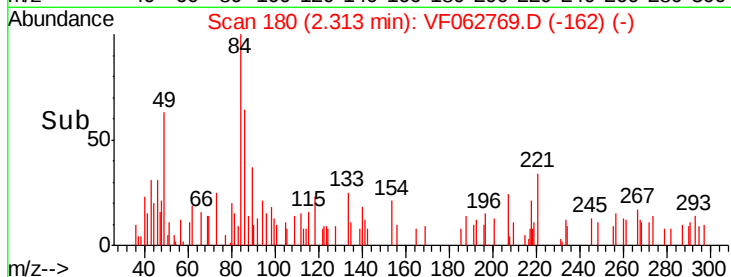
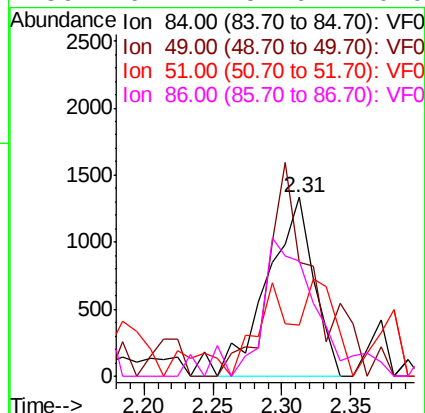
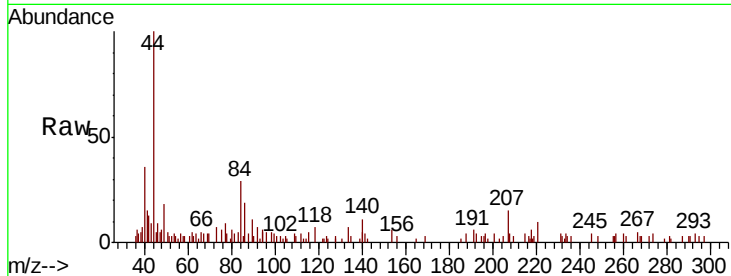




#20
Methvlene Chloride
Concen: 4.126 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.02 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

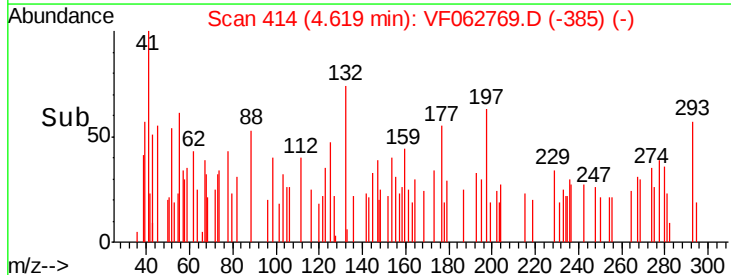
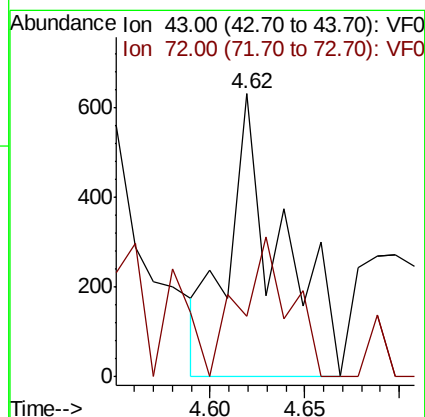
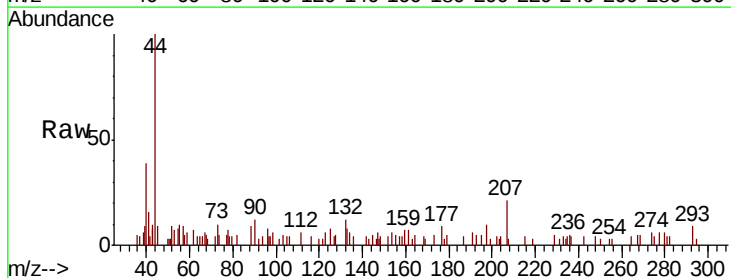
Instrument :
MSVOA_F
ClientSampled :
TP-5

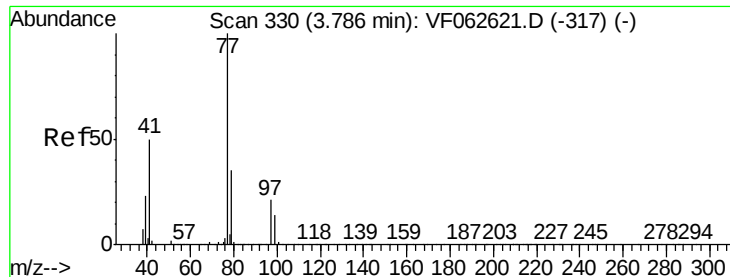
Tot Ion:	84	Resp:	3200
Ion	Ratio	Lower	Upper
84	100		
49	63.3	89.8	134.8#
51	28.3	28.4	42.6#
86	64.1	52.6	79.0



#25
2-Butanone
Concen: 3.685 ug/l
RT: 4.62 min Scan# 414
Delta R.T. 0.08 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

Tgt Ion:	43	Resp:	1218
Ion	Ratio	Lower	Upper
43	100		
72	21.4	20.1	30.1





#26

2,2-Dichloropropane

Concen: 1.484 ug/l

RT: 3.85 min Scan# 336

Delta R.T. 0.06 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampleId :

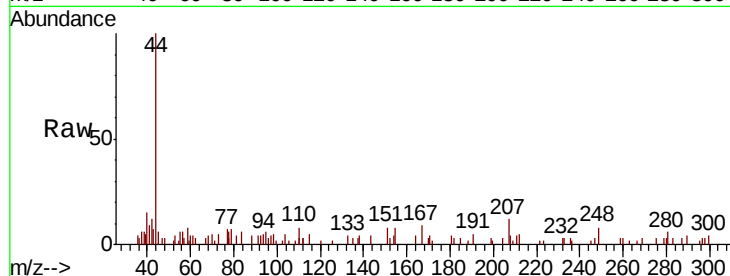
TP-5

Tot Ion: 77 Resp: 1054

Ion Ratio Lower Upper

77 100

97 34.9 14.1 42.4

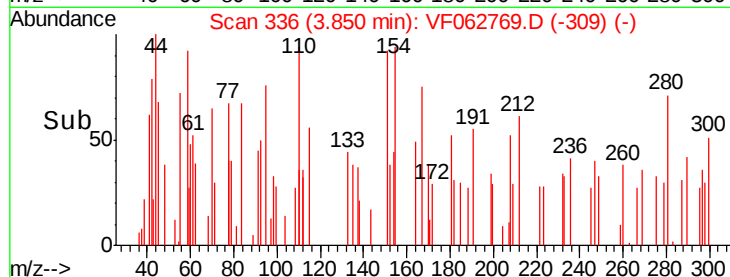


Abundance Ion 77.00 (76.70 to 77.70): VF0

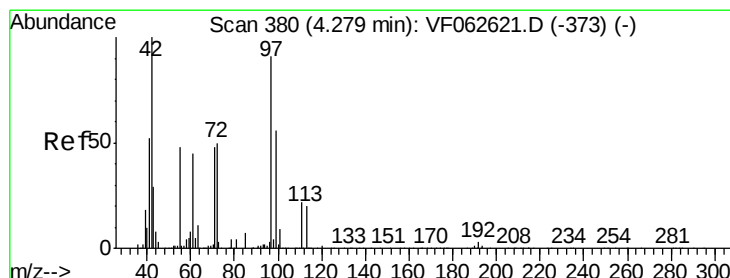
Ion 97.00 (96.70 to 97.70): VF0

3.85

3.90



Time-->



#29

Tetrahydrofuran

Concen: 4.657 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

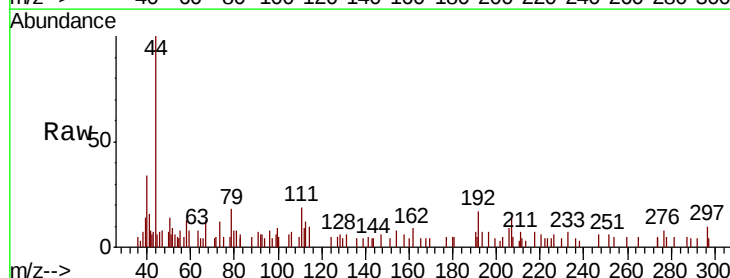
Tgt Ion: 42 Resp: 623

Ion Ratio Lower Upper

42 100

72 60.8 38.2 57.2#

71 68.2 35.8 53.6#



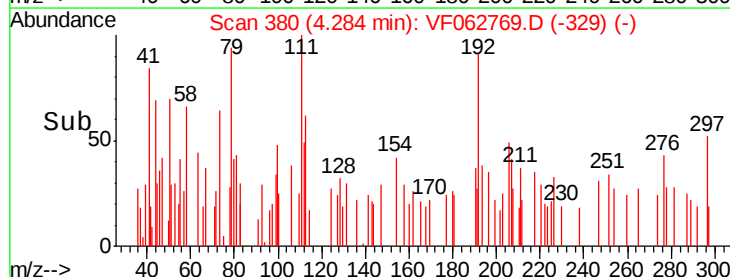
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

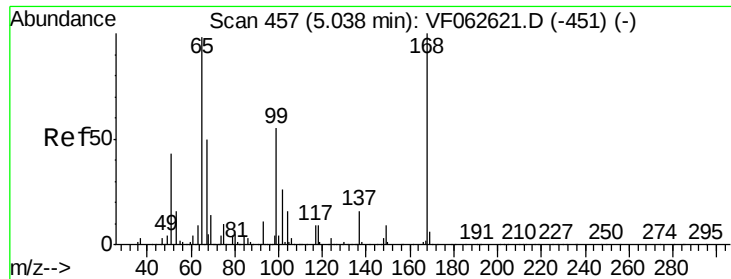
Ion 71.00 (70.70 to 71.70): VF0

4.28

4.30



Time-->



#33

1,2-Dichloroethane-d4

Concen: 16.404 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampleId :

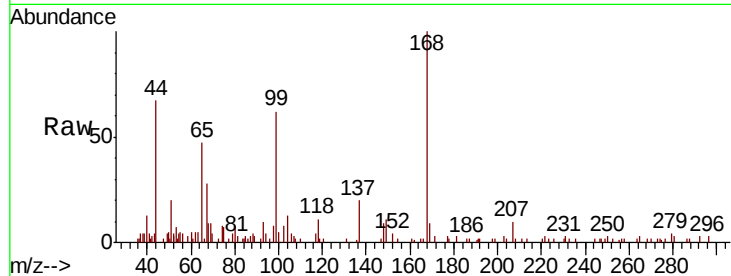
TP-5

Tot Ion: 65 Resp: 9783

Ion Ratio Lower Upper

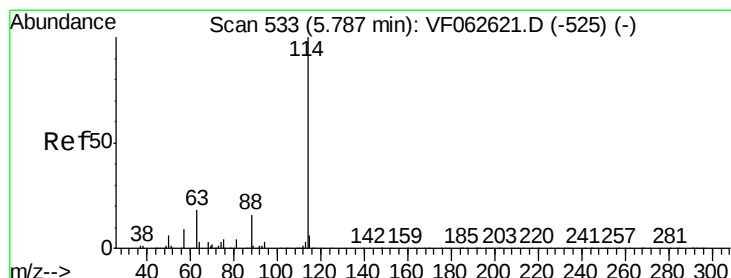
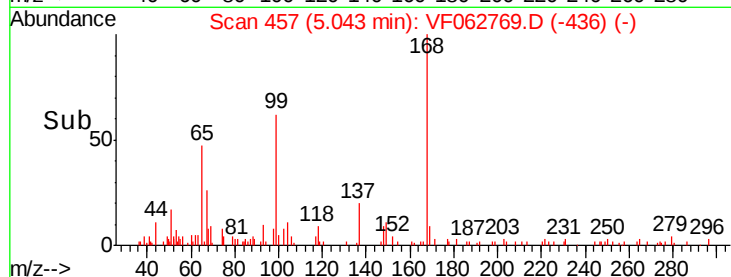
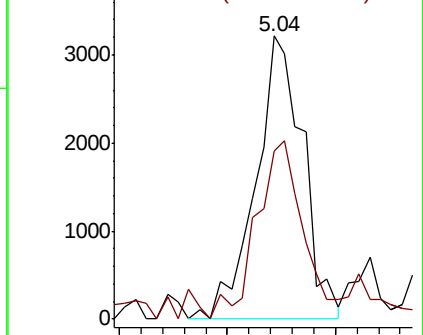
65 100

67 59.6 0.0 117.6



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: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

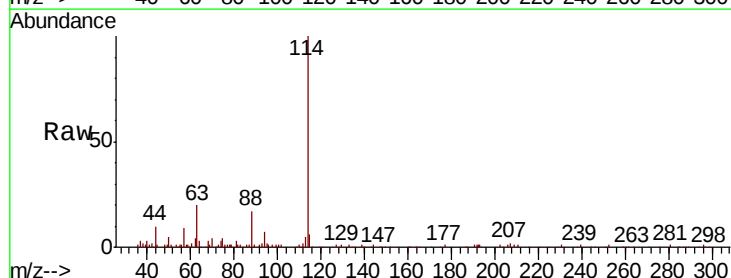
Tgt Ion:114 Resp: 97660

Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.4

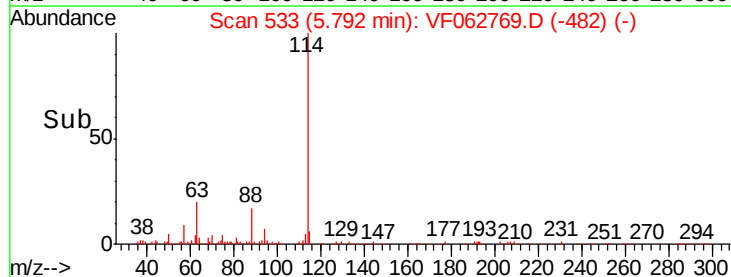
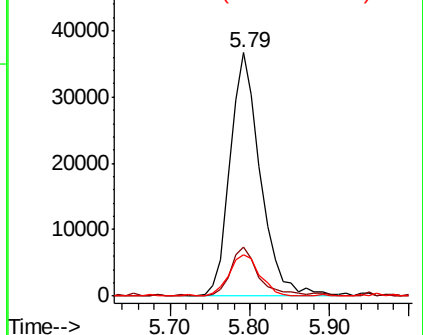
88 16.8 0.0 32.4

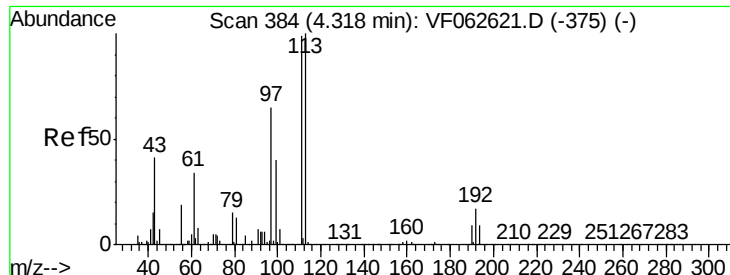


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 25.551 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :
MSVOA_F
ClientSampled :
TP-5

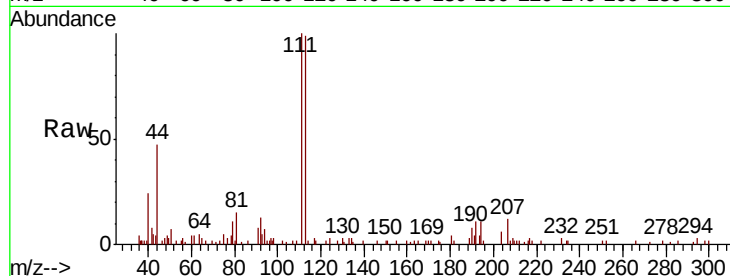
Tot Ion:113 Resp: 19094

Ion Ratio Lower Upper

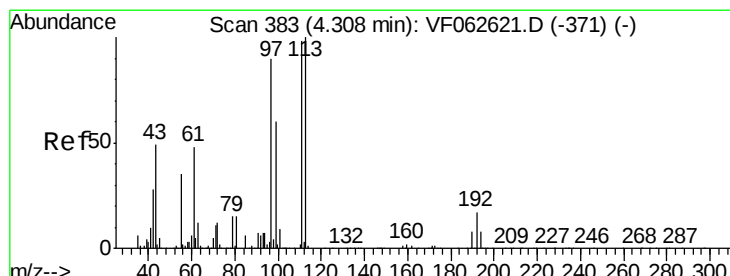
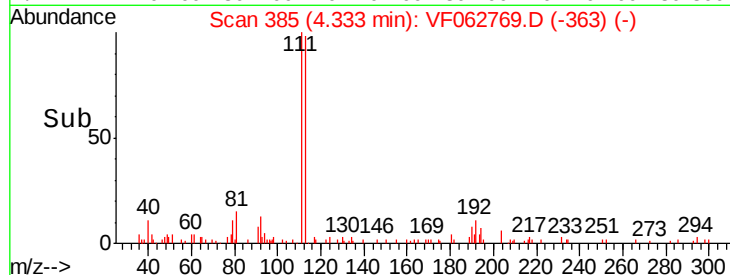
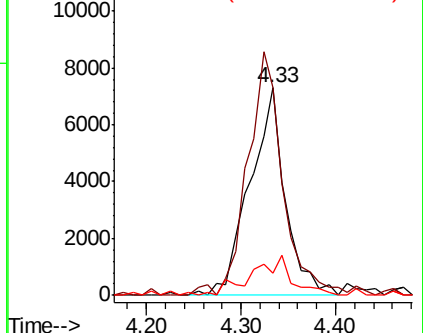
113 100

111 100.6 79.4 119.2

192 10.9 13.4 20.2#



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: 1.437 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.03 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

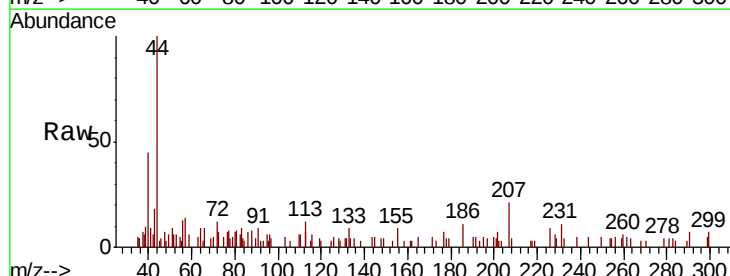
Tgt Ion: 43 Resp: 587

Ion Ratio Lower Upper

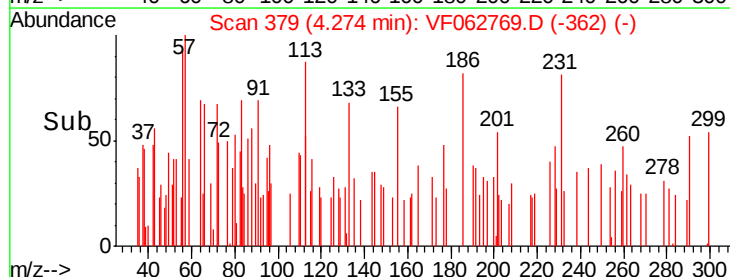
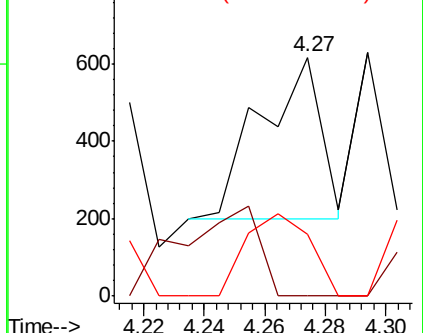
43 100

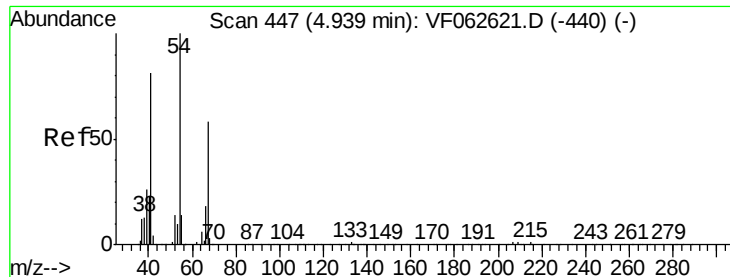
61 0.0 76.9 115.3#

70 25.9 8.8 13.2#



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: 15.699 ug/l

RT: 4.92 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampled :

TP-5

Tot Ion: 41 Resp: 3363

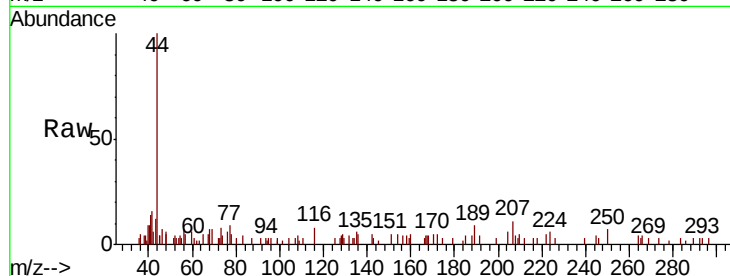
Ion Ratio Lower Upper

41 100

39 8.0 42.2 63.2#

67 15.8 56.4 84.6#

52 11.9 38.8 58.2#

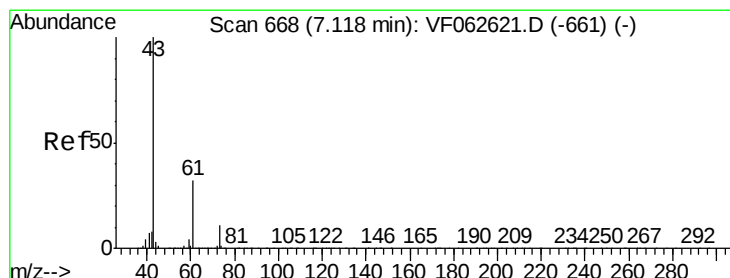
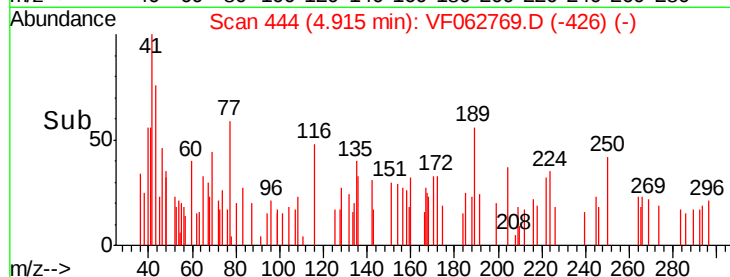
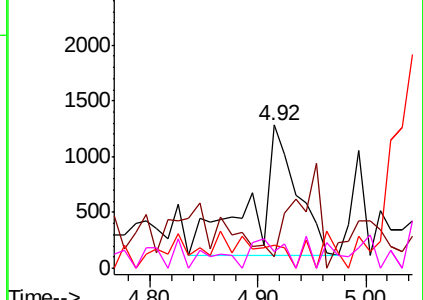


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 1.579 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

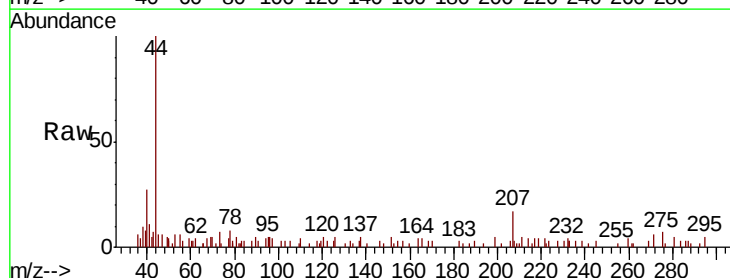
Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

61 47.8 25.8 38.8#

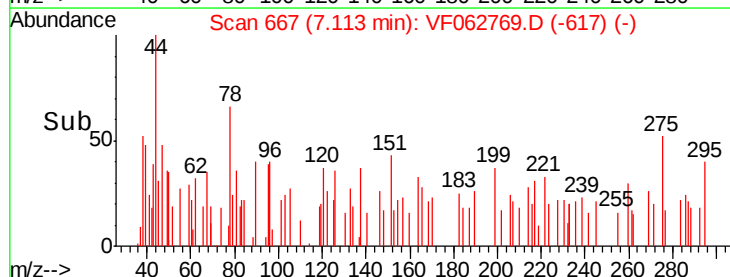
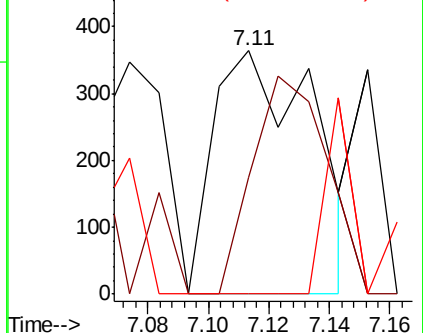
87 0.0 0.4 0.6#

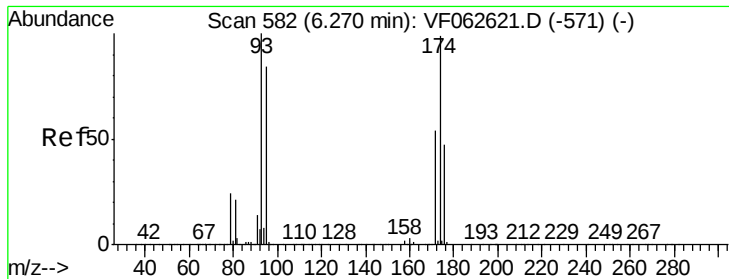


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#46

Dibromomethane

Concen: 1.675 ug/l

RT: 6.27 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampled :

TP-5

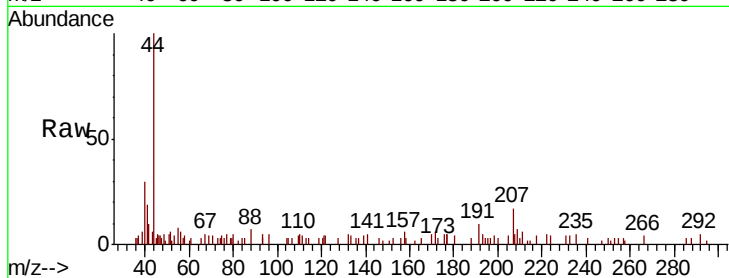
Tot Ion: 93 Resp: 666

Ion Ratio Lower Upper

93 100

95 0.0 67.4 101.2#

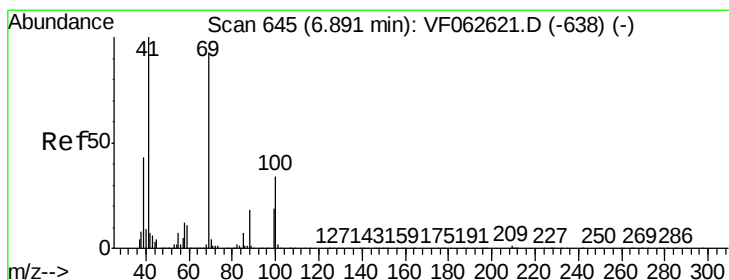
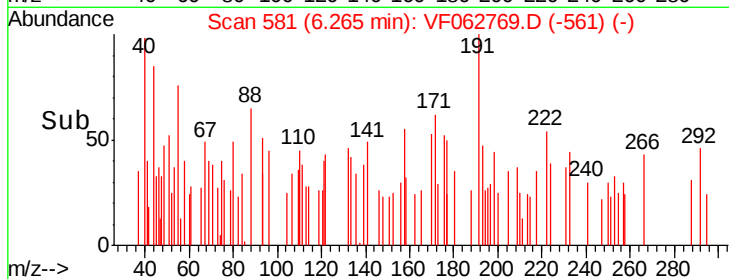
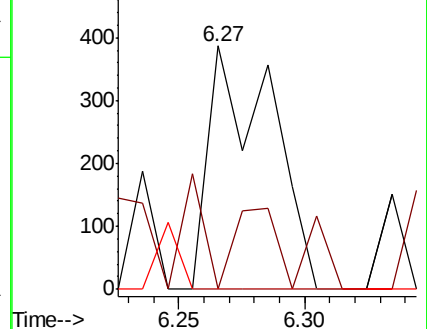
174 0.0 79.4 119.2#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#48

Methyl methacrylate

Concen: 2.197 ug/l

RT: 6.91 min Scan# 646

Delta R.T. 0.02 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

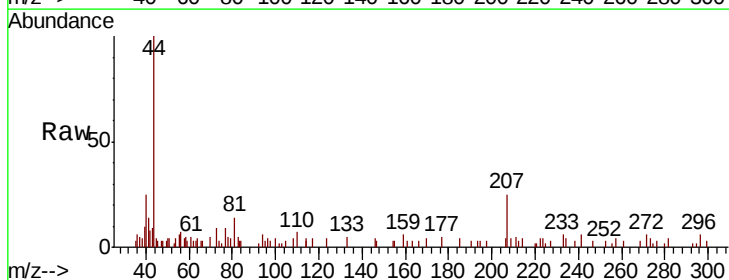
Tgt Ion: 41 Resp: 608

Ion Ratio Lower Upper

41 100

69 39.5 74.2 111.2#

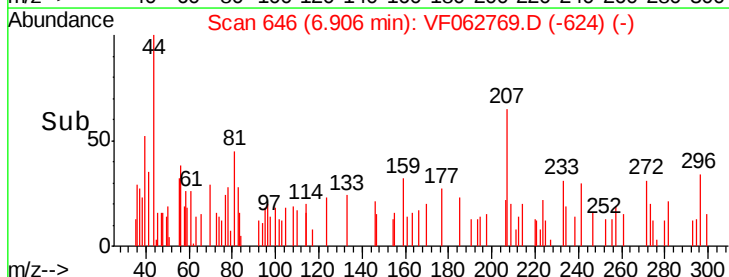
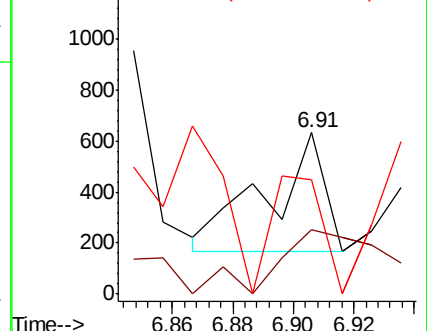
39 70.9 34.2 51.4#

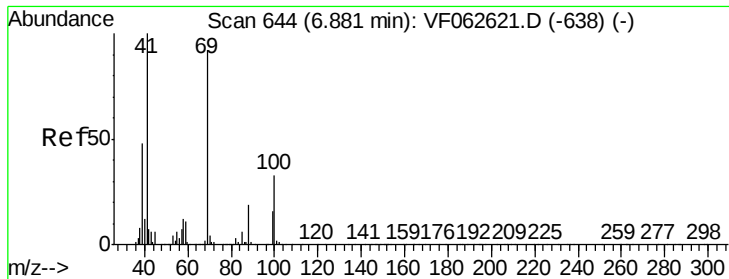


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

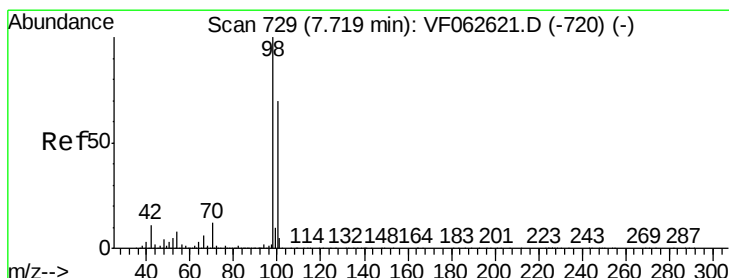
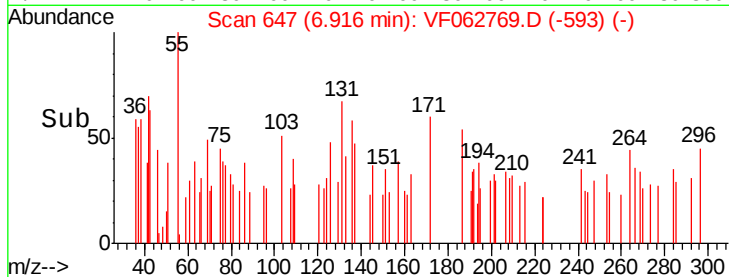
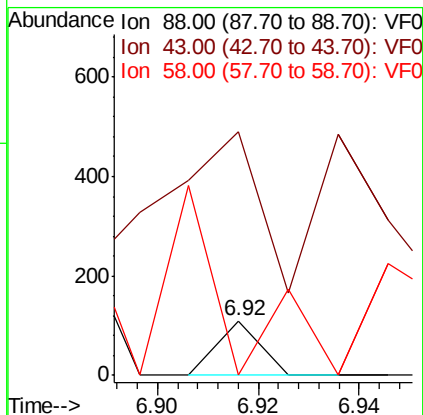
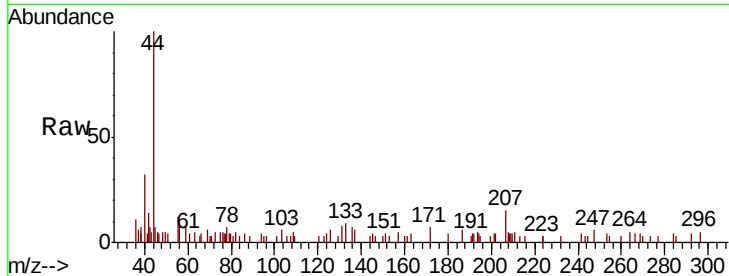




#49
1,4-Dioxane
Concen: 18.060 ug/l
RT: 6.92 min Scan# 647
Delta R.T. 0.04 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

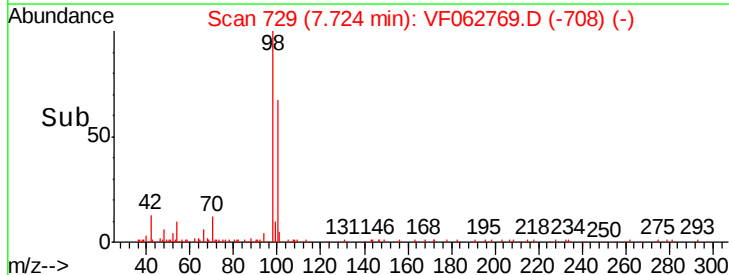
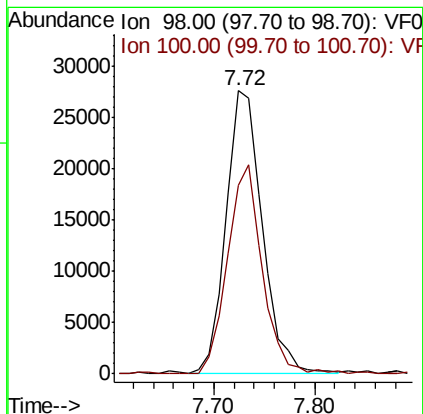
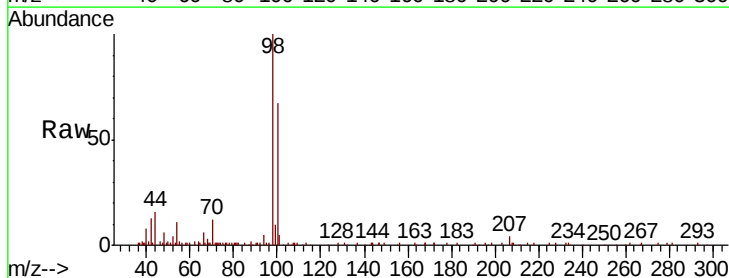
Instrument :
MSVOA_F
ClientSampled :
TP-5

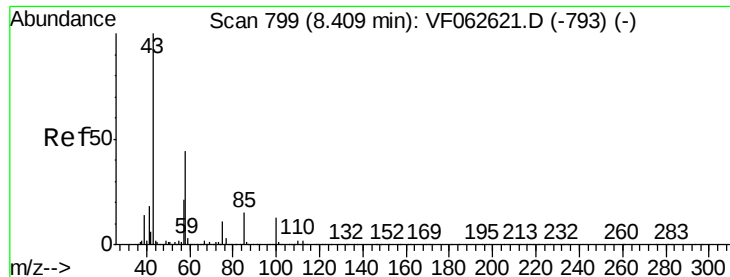
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 449.5 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 38.853 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

Tgt Ion: 98 Resp: 69323
Ion Ratio Lower Upper
98 100
100 66.7 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 2.943 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.04 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampled :

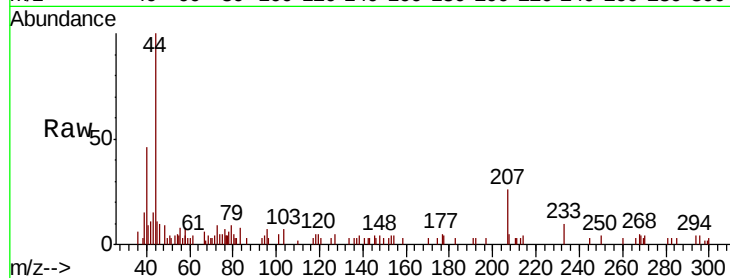
TP-5

Tot Ion: 43 Resp: 1065

Ion Ratio Lower Upper

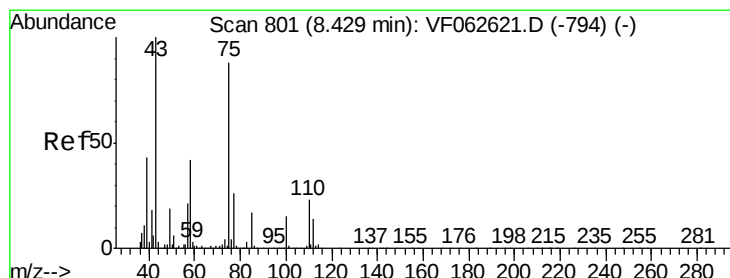
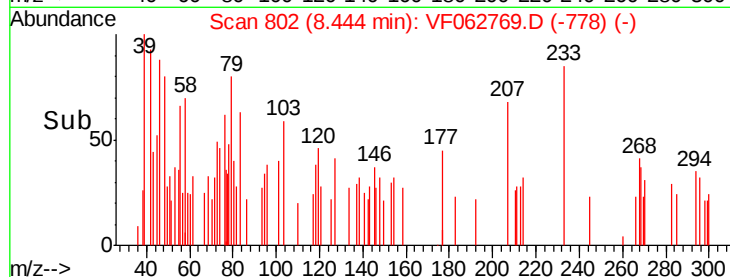
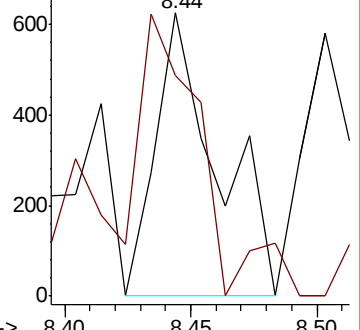
43 100

58 77.8 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 2.158 ug/l

RT: 8.51 min Scan# 809

Delta R.T. 0.08 min

Lab File: VF062769.D

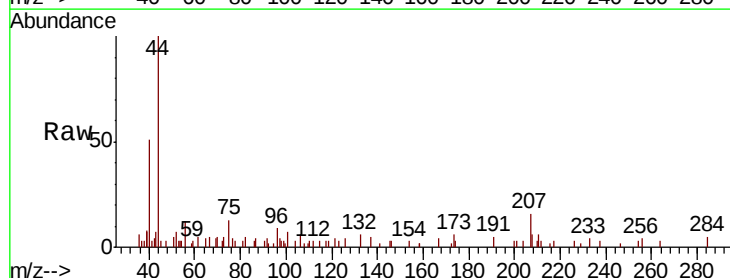
Acq: 28 May 2019 19:17

Tgt Ion: 75 Resp: 1458

Ion Ratio Lower Upper

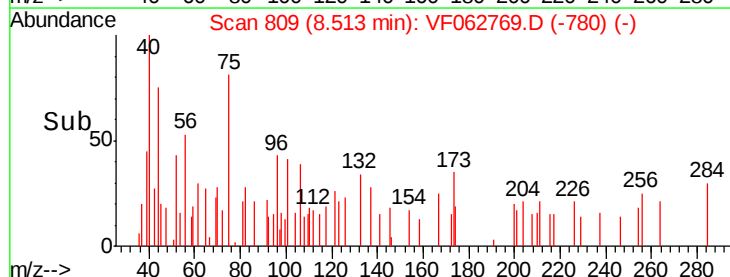
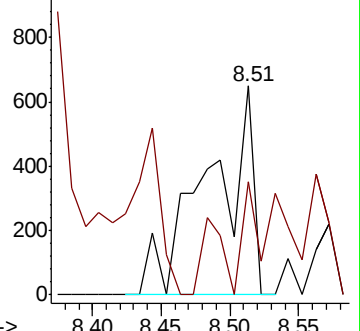
75 100

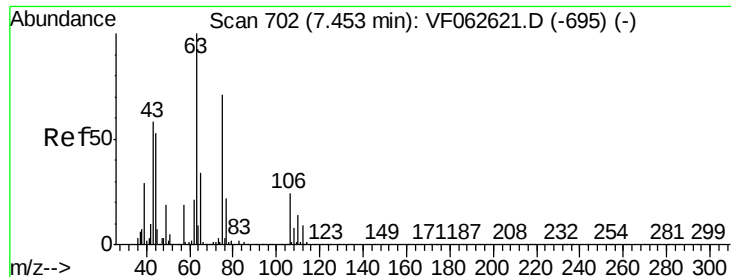
77 54.0 24.2 36.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 4.837 ug/l

RT: 7.43 min Scan# 699

Delta R.T. -0.02 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampled :

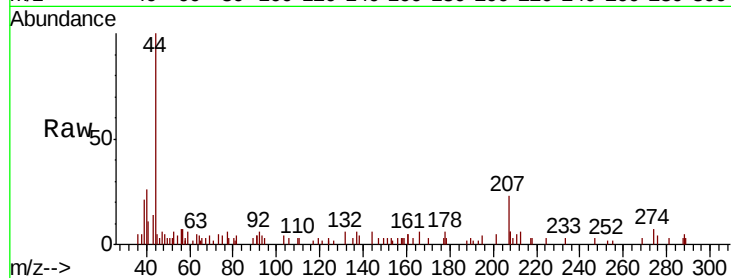
TP-5

Tot Ion: 63 Resp: 794

Ion Ratio Lower Upper

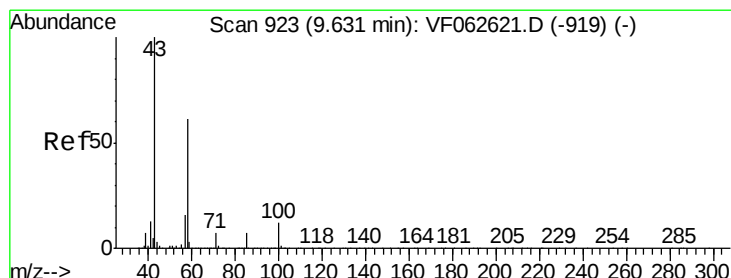
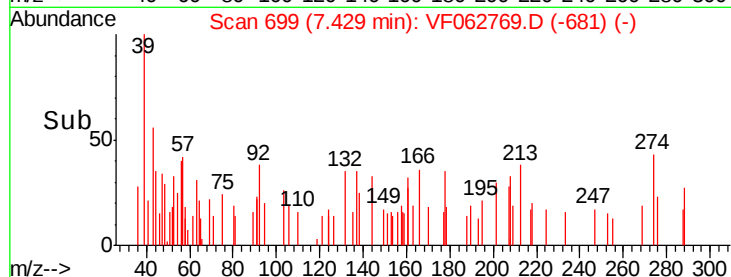
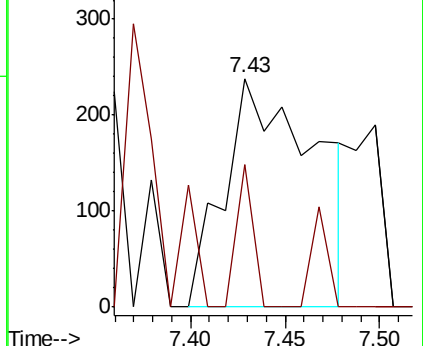
63 100

106 62.2 19.1 28.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: Below Cal

RT: 9.58 min Scan# 917

Delta R.T. -0.05 min

Lab File: VF062769.D

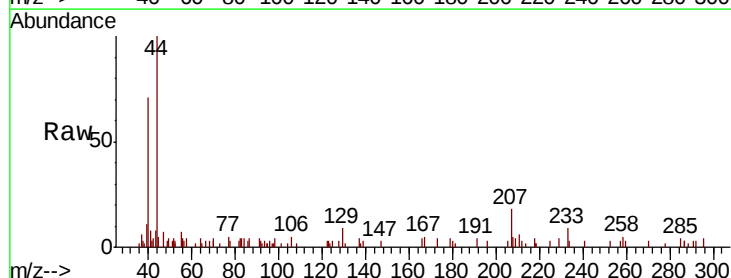
Acq: 28 May 2019 19:17

Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

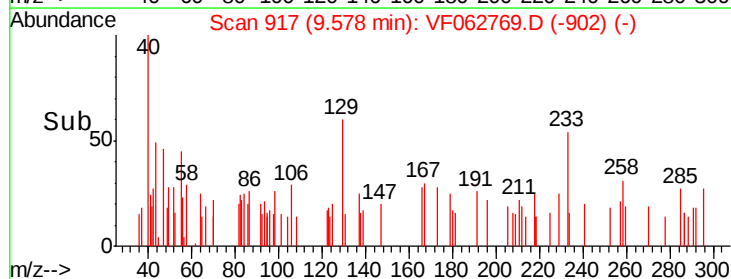
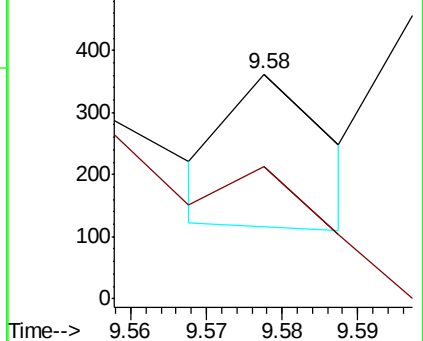
43 100

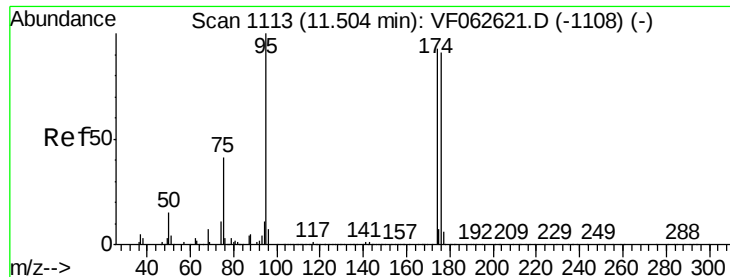
58 58.8 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 18.274 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampleId :

TP-5

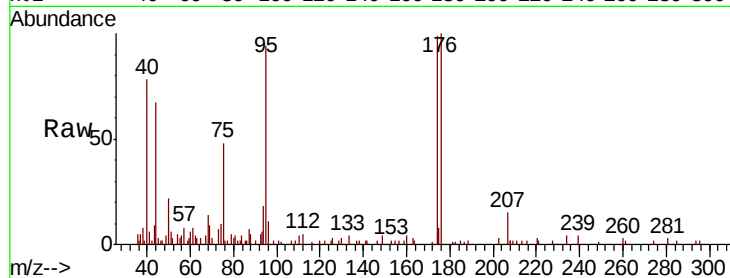
Tot Ion: 95 Resp: 12366

Ion Ratio Lower Upper

95 100

174 105.7 0.0 185.6

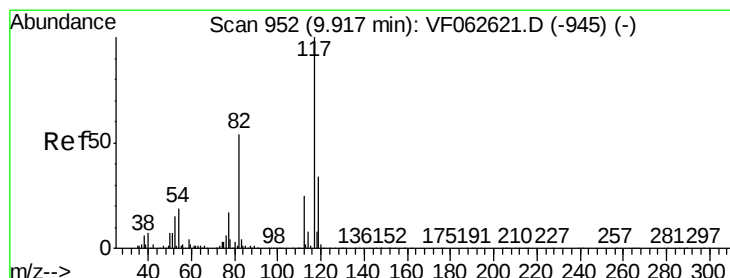
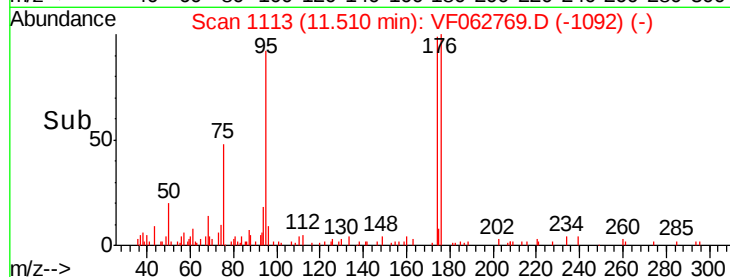
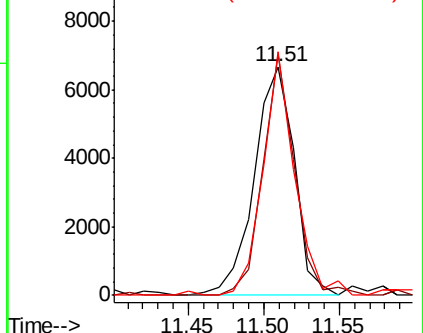
176 106.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

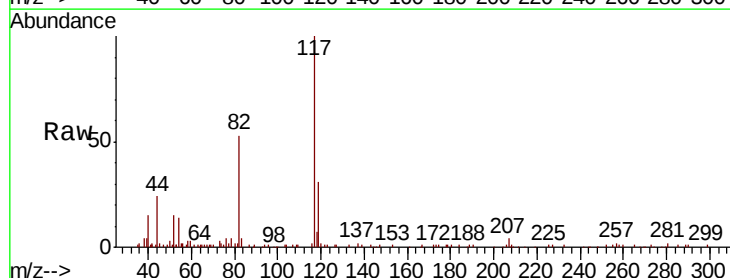
Tgt Ion: 117 Resp: 57167

Ion Ratio Lower Upper

117 100

82 53.2 43.3 64.9

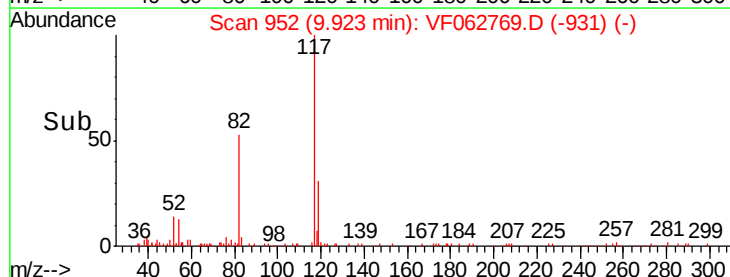
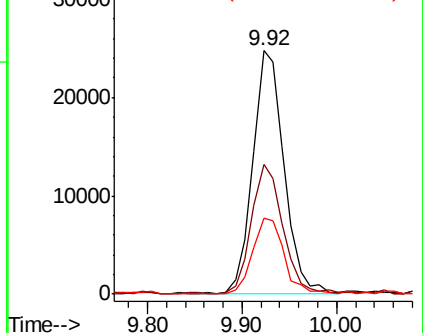
119 31.3 27.4 41.0

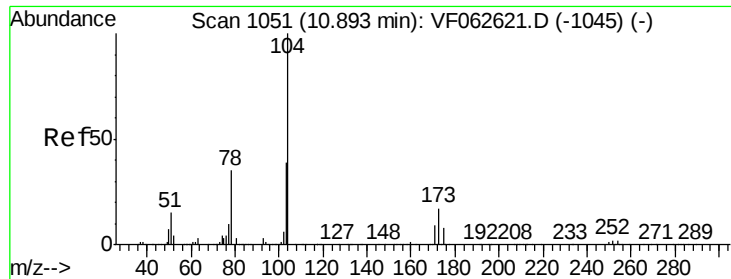


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

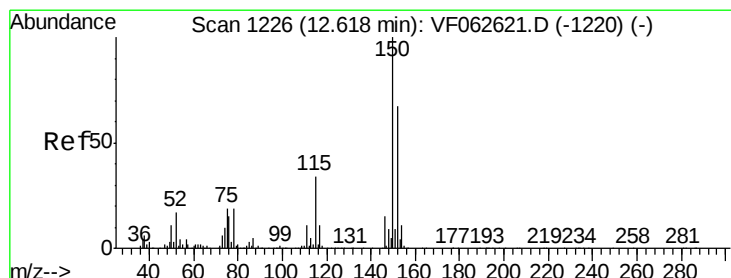
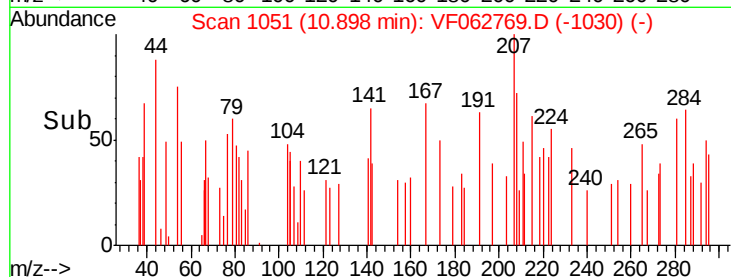
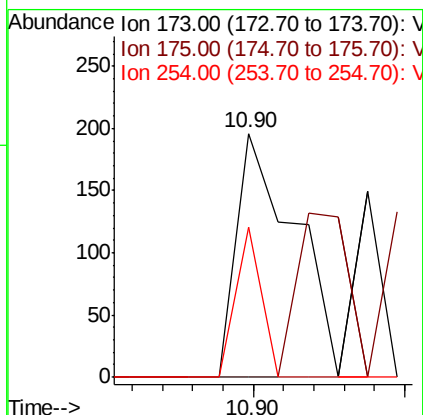
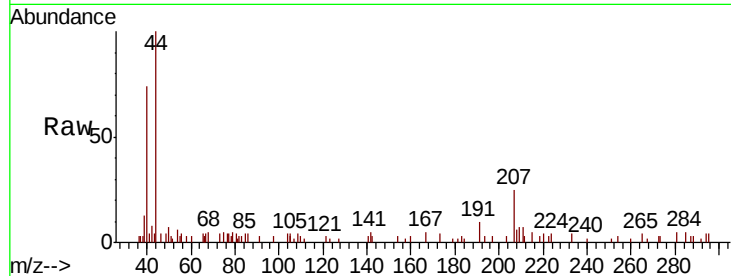




#71
Bromoform
Concen: 1.165 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

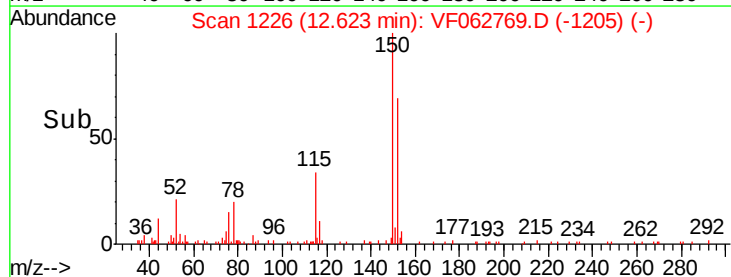
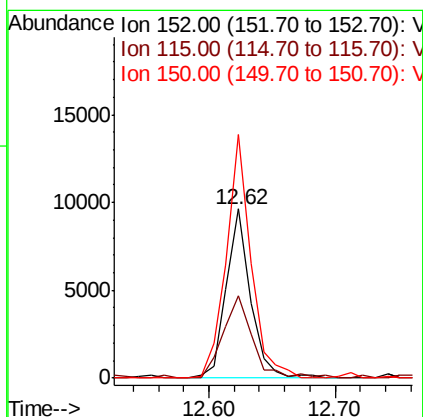
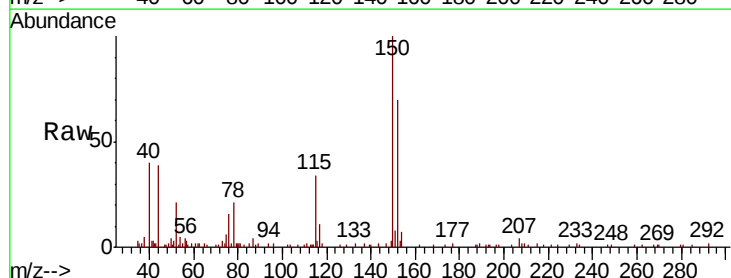
Instrument :
MSVOA_F
ClientSampled :
TP-5

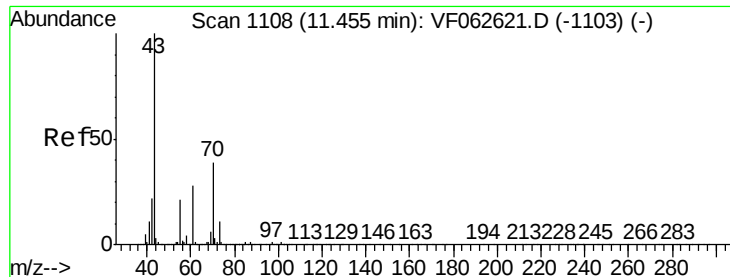
Tot Ion:173 Resp: 263
Ion Ratio Lower Upper
173 100
175 0.0 25.3 75.9#
254 61.7 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062769.D
Acq: 28 May 2019 19:17

Tgt Ion:152 Resp: 12809
Ion Ratio Lower Upper
152 100
115 48.7 25.2 75.6
150 143.8 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.42 min Scan# 1104

Delta R.T. -0.03 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

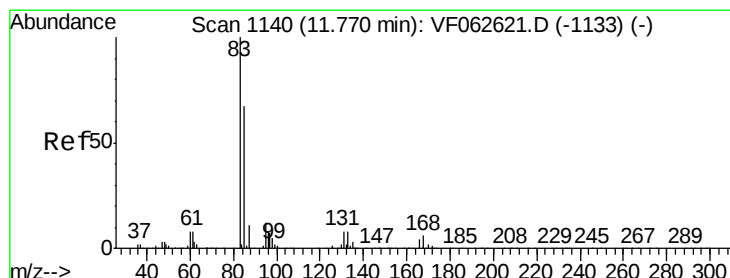
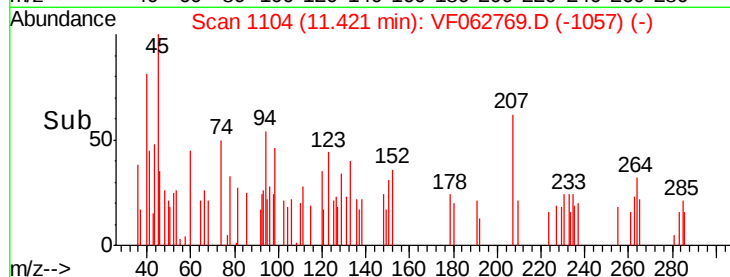
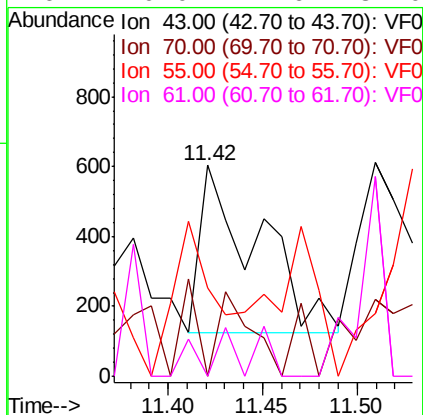
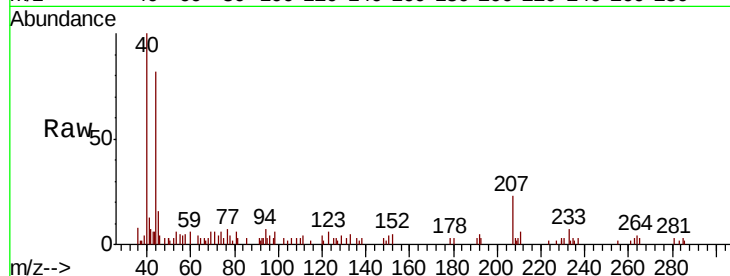
Instrument :

MSVOA_F

ClientSampleId :

TP-5

Tot Ion:	43	Resp:	1017
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	41.9	17.0	25.4#
61	0.0	22.6	34.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.562 ug/l

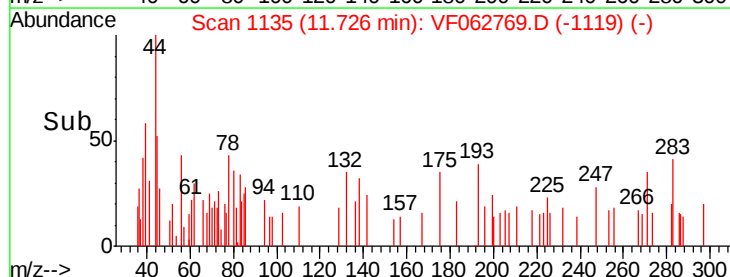
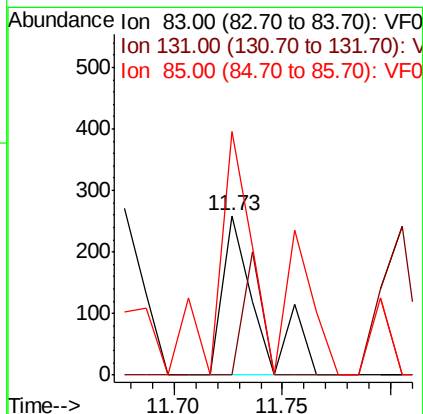
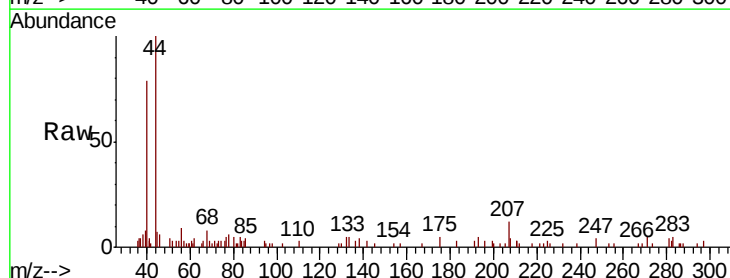
RT: 11.73 min Scan# 1135

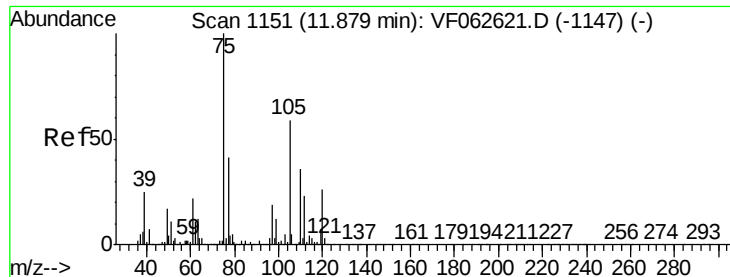
Delta R.T. -0.04 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Tgt Ion:	83	Resp:	293
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.0#
85	152.9	33.5	100.5#





#76

1,2,3-Trichloropropane

Concen: 4.948 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampled :

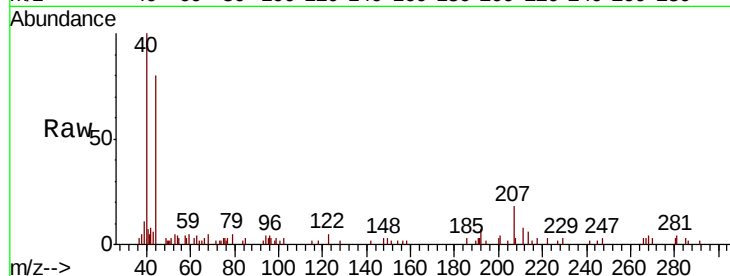
TP-5

Tot Ion: 75 Resp: 610

Ion Ratio Lower Upper

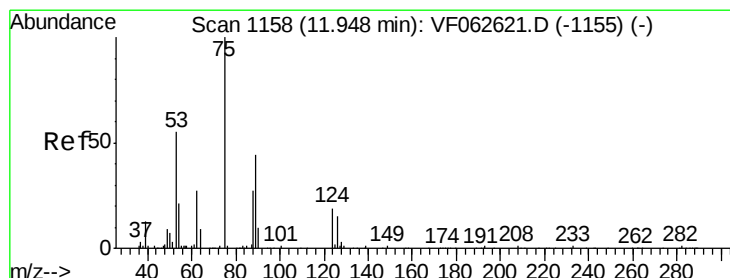
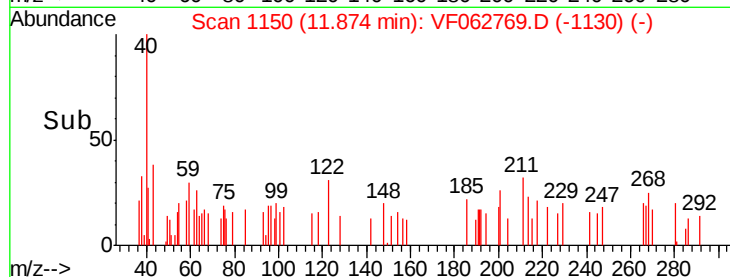
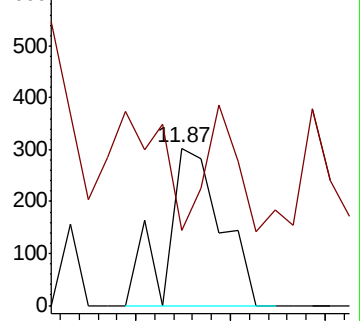
75 100

77 47.5 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#81

trans-1,4-Dichloro-2-butene

Concen: 1.953 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.03 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

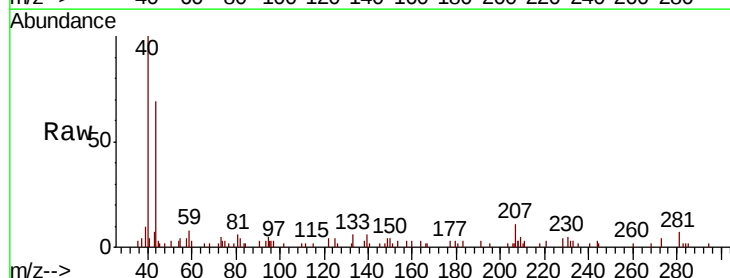
Tgt Ion: 75 Resp: 107

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

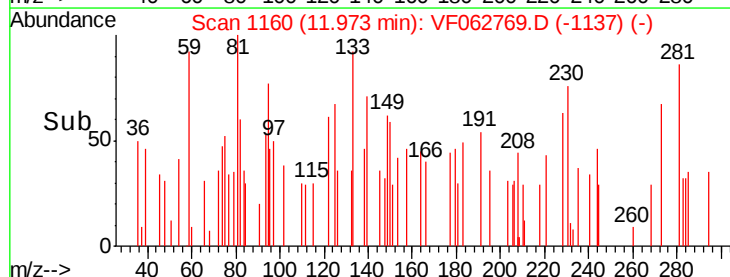
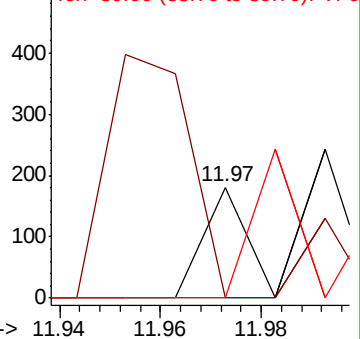
89 0.0 36.4 54.6#

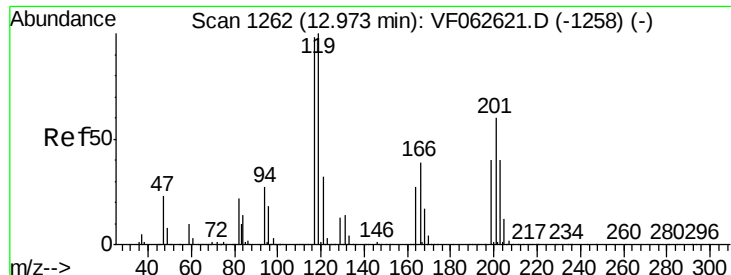


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#90

Hexachloroethane

Concen: 2.487 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. -0.04 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Instrument :

MSVOA_F

ClientSampled :

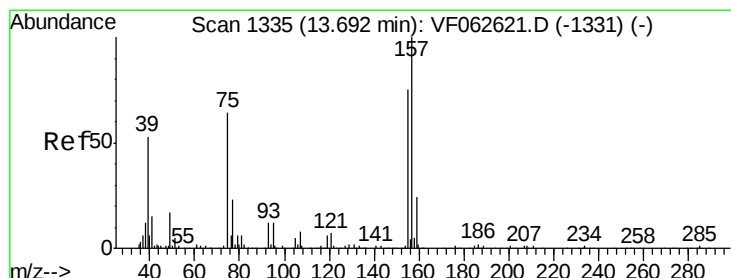
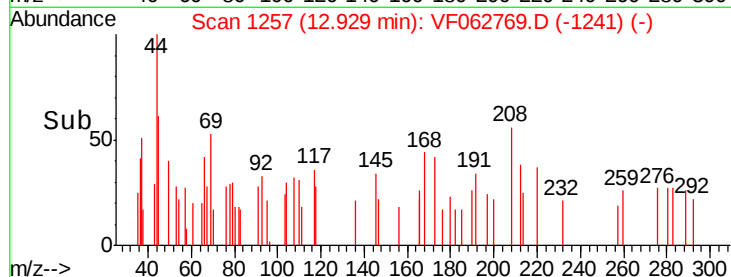
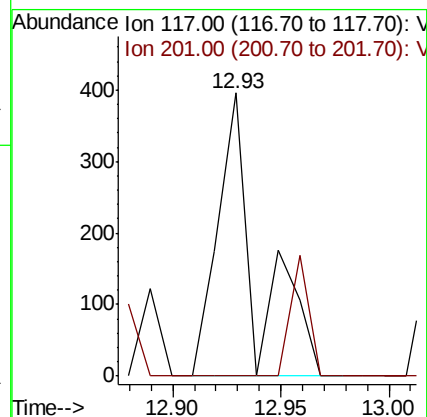
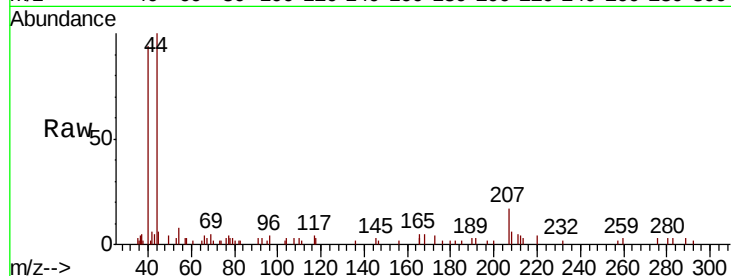
TP-5

Tot Ion:117 Resp: 504

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.076 ug/l

RT: 13.73 min Scan# 1338

Delta R.T. 0.04 min

Lab File: VF062769.D

Acq: 28 May 2019 19:17

Tgt Ion: 75 Resp: 606

Ion Ratio Lower Upper

75 100

155 39.8 58.1 174.3#

157 0.0 77.8 233.4#

