

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062214.D
 Acq On : 18 Apr 2019 19:35
 Operator : FY/SY
 Sample : K2193-09
 Misc : 7.15g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:20:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	391185	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	590947	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	398153	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	224009	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	176515	49.21	ug/l	0.02
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	4.30	113	230972	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	
50) Toluene-d8	7.72	98	516445	39.47	ug/l	0.02
Spiked Amount			Recovery	=	78.94%	
62) 4-Bromofluorobenzene	11.49	95	211906	42.10	ug/l	0.00
Spiked Amount			Recovery	=	84.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	1527	0.257	ug/l	91
3) Chloromethane	1.16	50	1585	0.258	ug/l #	63
5) Bromomethane	1.34	94	929	0.303	ug/l #	6
6) Chloroethane	1.46	64	792	0.359	ug/l #	41
8) Diethyl Ether	1.74	74	408	0.292	ug/l	98
11) Tert butyl alcohol	2.69	59	1105	4.432	ug/l #	42
13) Acrolein	2.10	56	649	Below Cal		84
14) Allyl chloride	2.20	41	1187	0.237	ug/l #	49
15) Acrylonitrile	3.08	53	2310	3.042	ug/l #	48
16) Acetone	2.35	43	19514	22.760	ug/l #	90
18) Methyl Acetate	2.47	43	6235	Below Cal		97
20) Methylene Chloride	2.34	84	16970	Below Cal		83
23) Vinyl Acetate	3.34	43	6324	1.038	ug/l #	79
25) 2-Butanone	4.54	43	3424	1.997	ug/l	97
29) Tetrahydrofuran	4.51	42	636	0.820	ug/l	95
36) 1,1-Dichloropropene	4.22	75	36246	5.116	ug/l #	40
37) Ethyl Acetate	4.33	43	669	0.200	ug/l #	74
39) Methylcyclohexane	5.63	83	2489	0.293	ug/l #	78
41) Methacrylonitrile	4.95	41	746	0.387	ug/l #	48
43) Isopropyl Acetate	7.16	43	1321	0.376	ug/l #	45
45) 1,2-Dichloropropane	6.42	63	916	0.224	ug/l #	42
49) 1,4-Dioxane	6.88	88	134	5.056	ug/l #	14
51) 4-Methyl-2-Pentanone	8.54	43	1138	0.435	ug/l	94
52) Toluene	7.78	92	9002	0.919	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	743	0.271	ug/l #	63
56) Ethyl methacrylate	8.76	69	9778	3.134	ug/l #	54
58) 2-Chloroethyl Vinyl ether	7.46	63	1022	1.128	ug/l #	64
59) 2-Hexanone	9.63	43	2200	1.485	ug/l	67
67) Ethyl Benzene	10.03	91	29562	1.915	ug/l	97
68) m/p-Xylenes	10.26	106	8718	1.534	ug/l	93
69) o-Xylene	10.82	106	53167	8.426	ug/l	97
73) Isopropylbenzene	11.21	105	14937	0.776	ug/l	96
74) N-amyl acetate	11.47	43	5046	Below Cal	#	1
75) 1,1,2,2-Tetrachloroethane	11.76	83	5329	1.610	ug/l #	23

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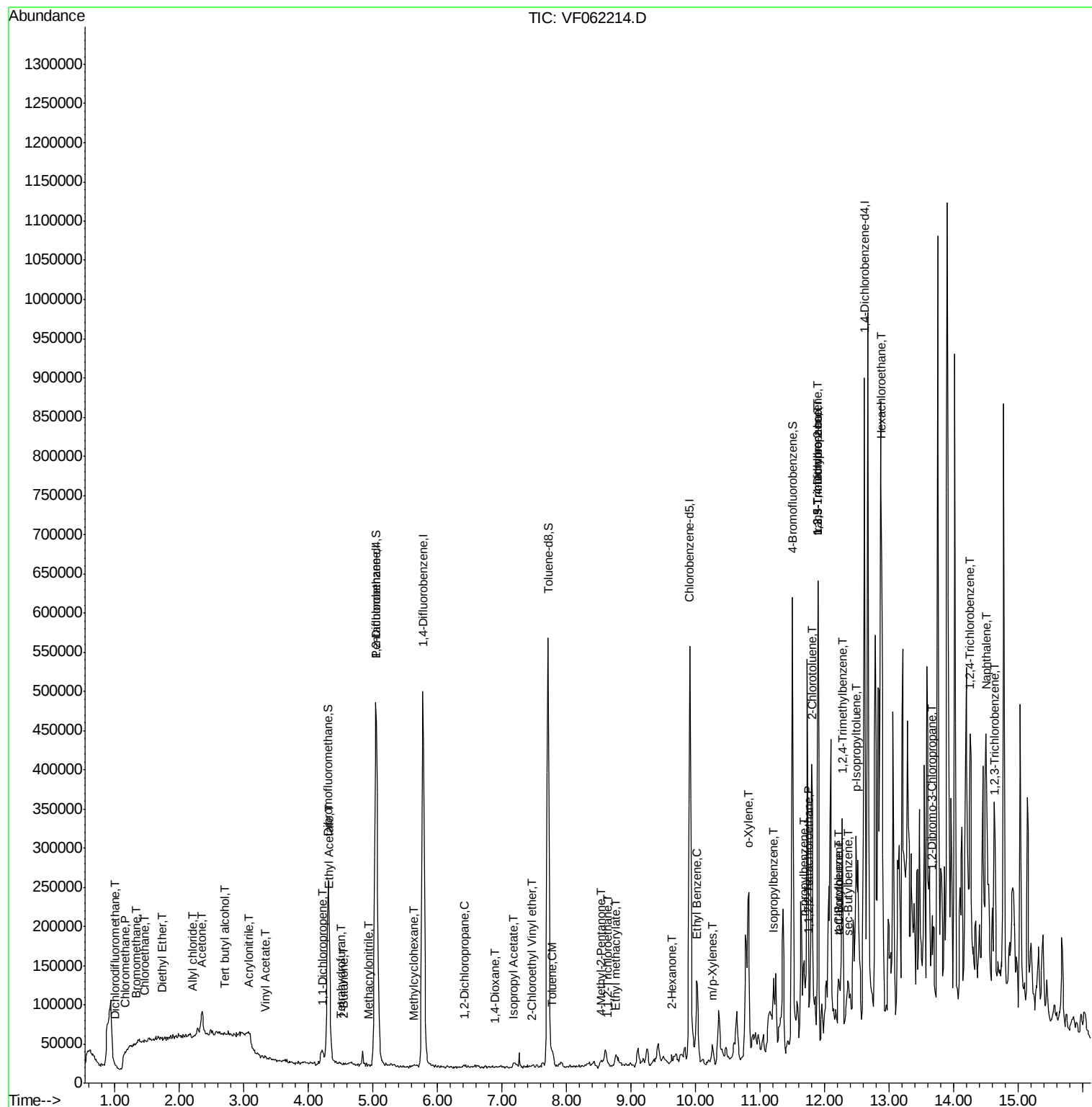
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
76) 1,2,3-Trichloropropane	11.89	75	3578	1.572	ug/l	#	1
78) n-propylbenzene	11.67	91	52540	2.588	ug/l		97
79) 2-Chlorotoluene	11.80	91	26376	2.142	ug/l	#	46
80) 1,3,5-Trimethylbenzene	11.89	105	275883	17.214	ug/l		98
81) trans-1,4-Dichloro-2-buten	11.89	75	3578	3.081	ug/l	#	1
82) 4-Chlorotoluene	12.20	91	3396	0.285	ug/l		88
83) tert-Butylbenzene	12.20	119	4753	0.287	ug/l		73
84) 1,2,4-Trimethylbenzene	12.27	105	28798	1.857	ug/l		99
85) sec-Butylbenzene	12.37	105	28980	1.347	ug/l	#	77
86) p-Isopropyltoluene	12.49	119	124417	6.817	ug/l		99
90) Hexachloroethane	12.88	117	22186	4.734	ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	13.66	75	722	1.110	ug/l	#	13
93) 1,2,4-Trichlorobenzene	14.24	180	1250	0.202	ug/l	#	69
95) Naphthalene	14.50	128	37061	3.430	ug/l	#	51
96) 1,2,3-Trichlorobenzene	14.64	180	1365	0.230	ug/l	#	1

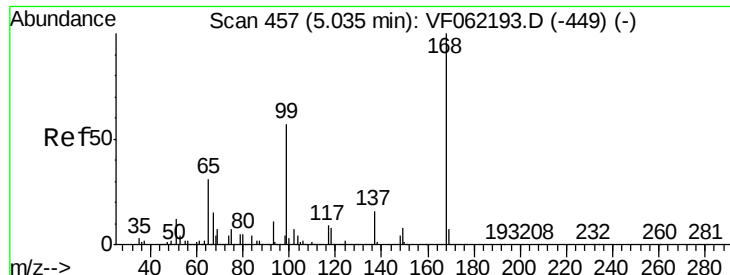
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

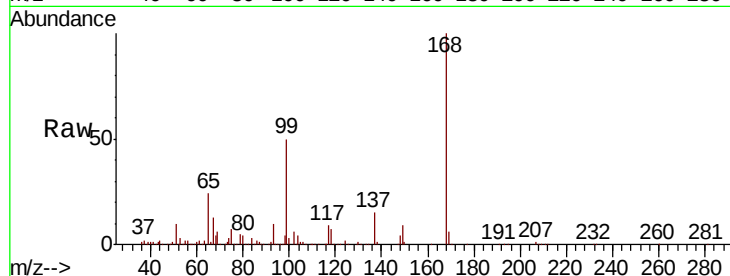
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 391185

Ion Ratio Lower Upper

168 100

99 49.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

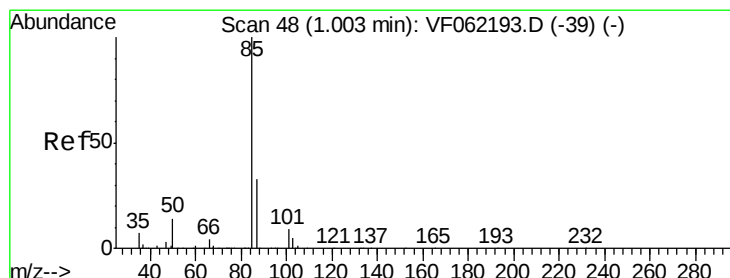
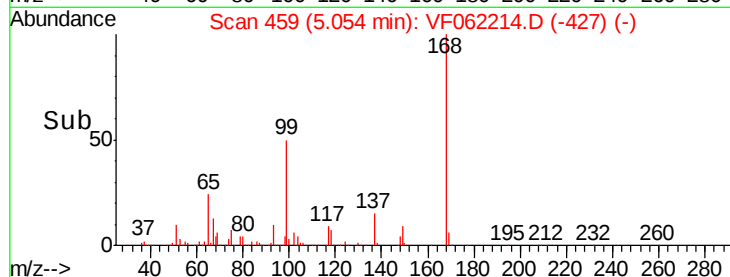
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.257 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062214.D

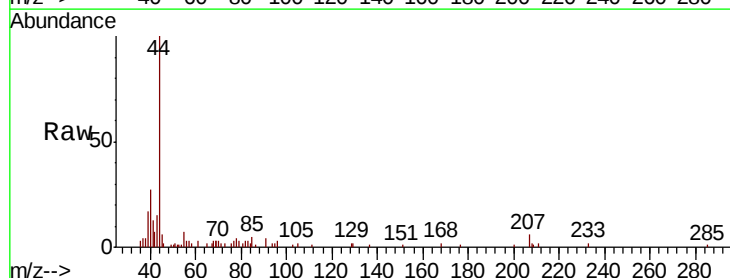
Acq: 18 Apr 2019 19:35

Tgt Ion: 85 Resp: 1527

Ion Ratio Lower Upper

85 100

87 27.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

500

400

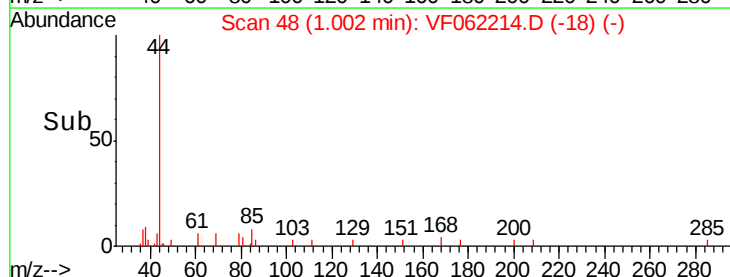
300

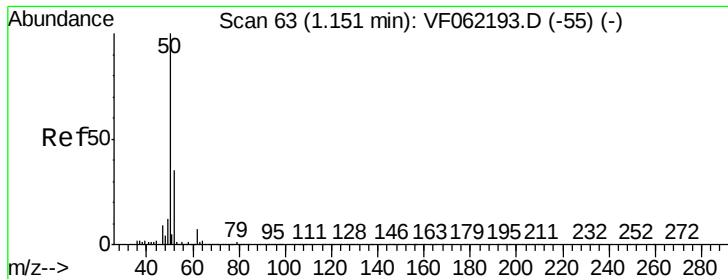
200

100

0

Time-->





#3

Chloromethane

Concen: 0.258 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

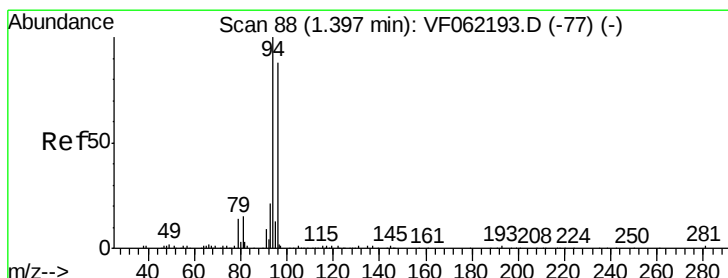
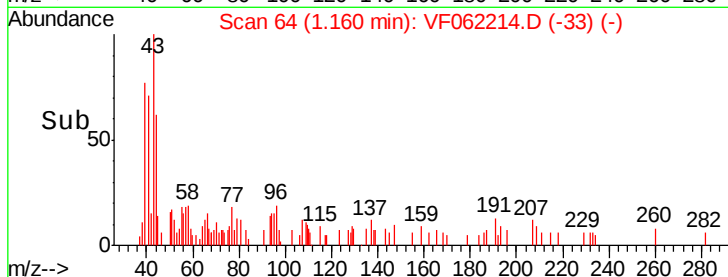
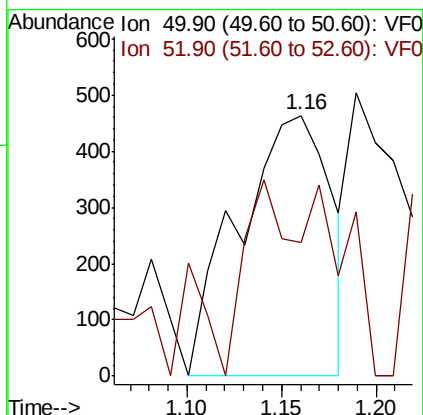
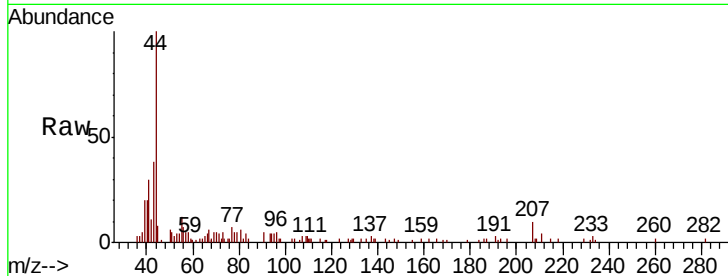
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 1585

Ion Ratio Lower Upper

50 100

52 12.7 27.0 40.4#



#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.06 min

Lab File: VF062214.D

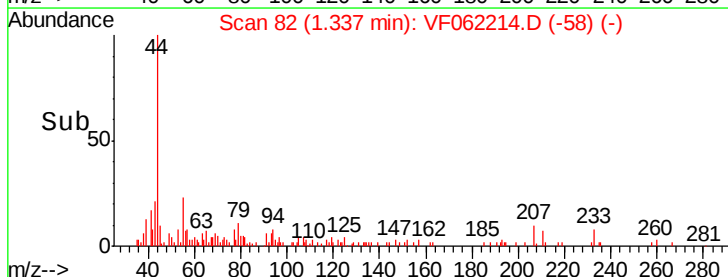
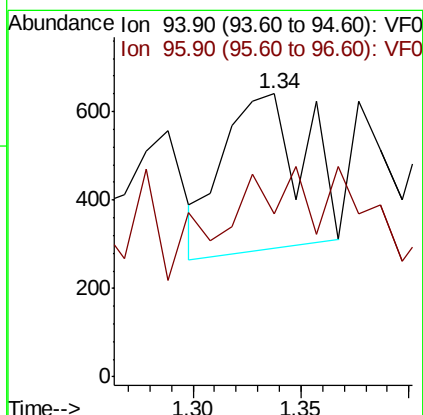
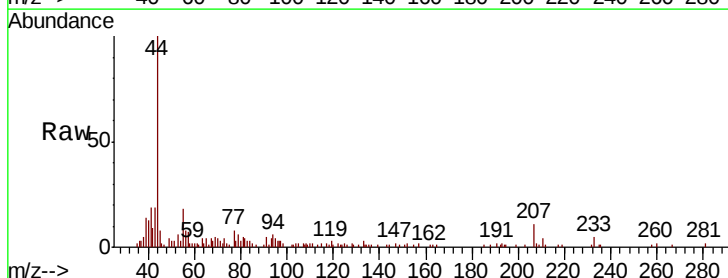
Acq: 18 Apr 2019 19:35

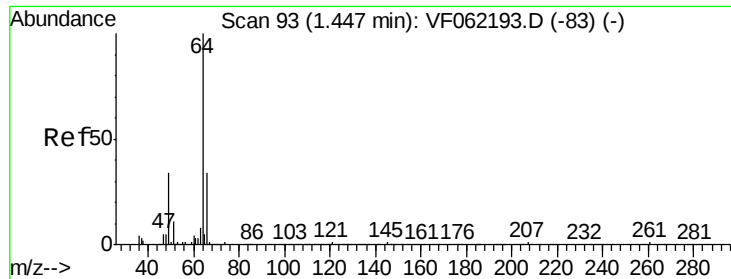
Tgt Ion: 94 Resp: 929

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#





#6

Chloroethane

Concen: 0.359 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.01 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

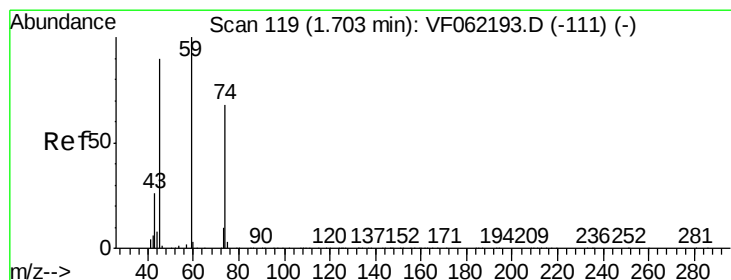
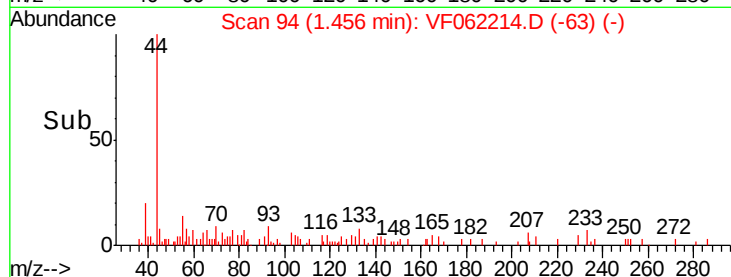
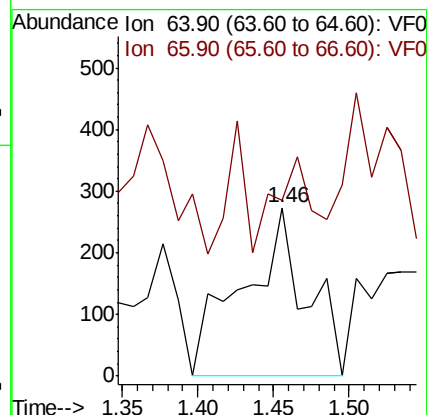
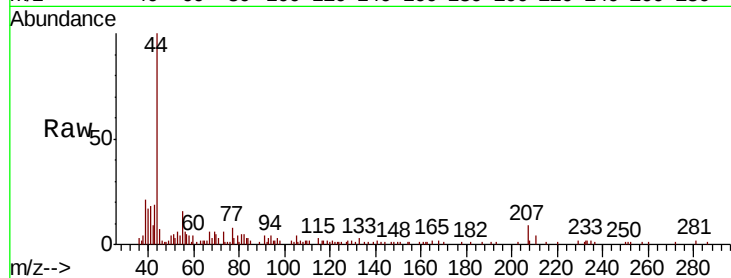
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 64 Resp: 792

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.4#



#8

Diethyl Ether

Concen: 0.292 ug/l

RT: 1.74 min Scan# 123

Delta R.T. 0.04 min

Lab File: VF062214.D

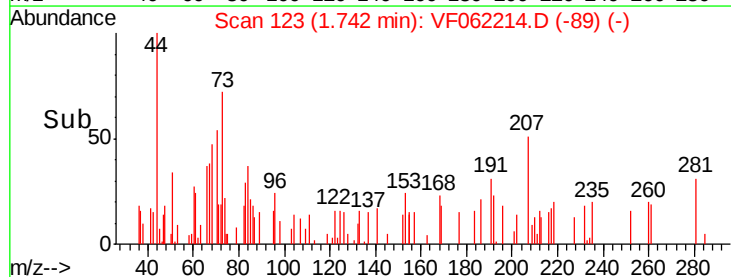
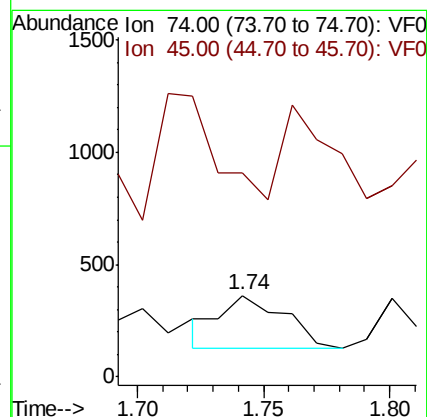
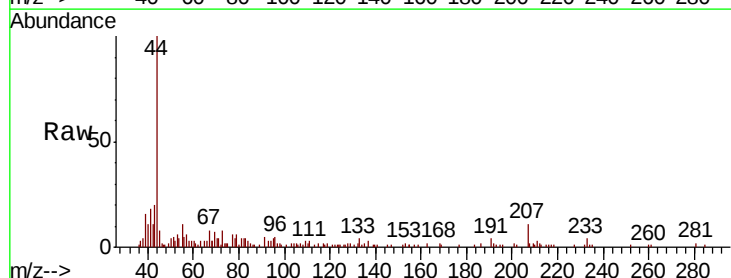
Acq: 18 Apr 2019 19:35

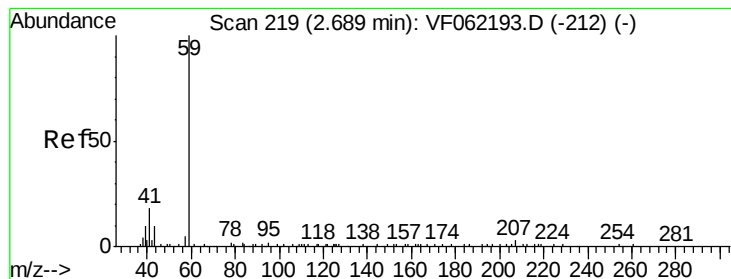
Tgt Ion: 74 Resp: 408

Ion Ratio Lower Upper

74 100

45 138.0 70.0 210.2



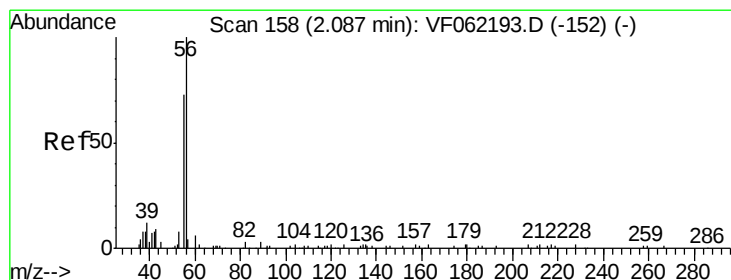
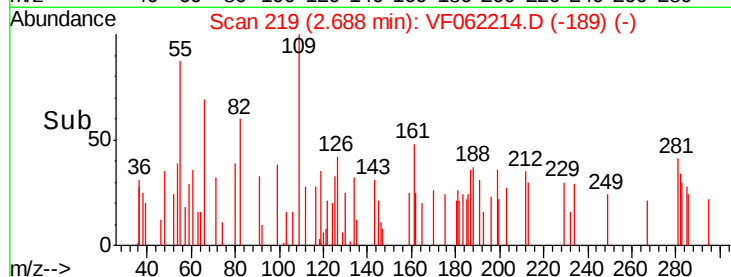
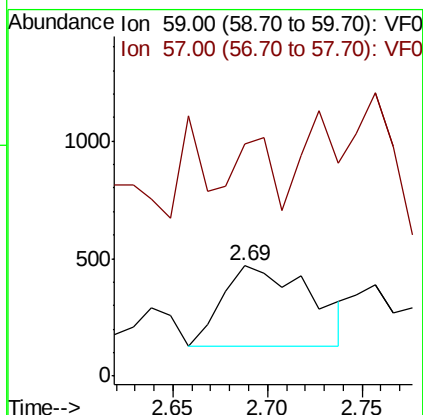
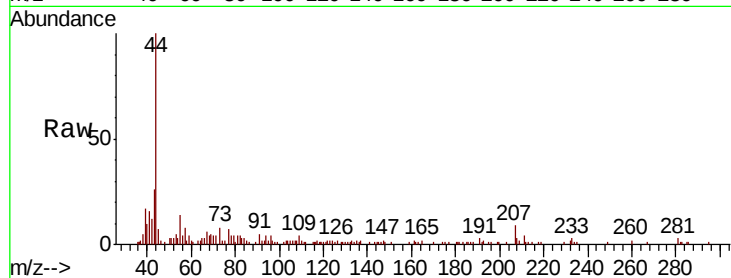


#11

Tert butyl alcohol
Concen: 4.432 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.00 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :

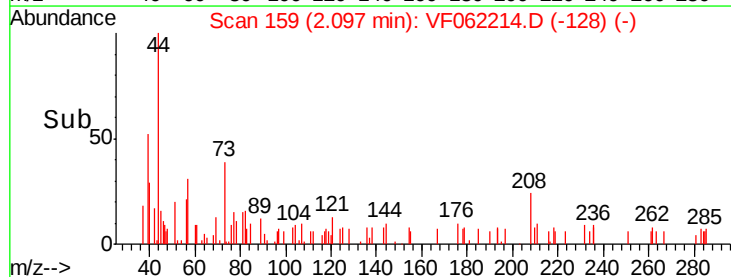
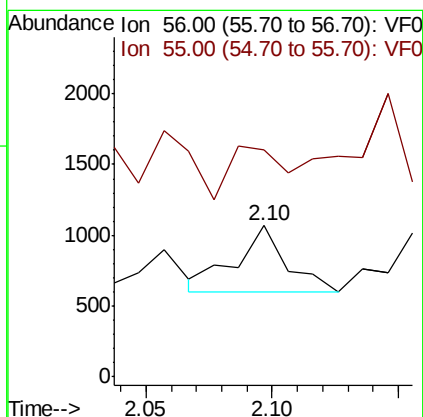
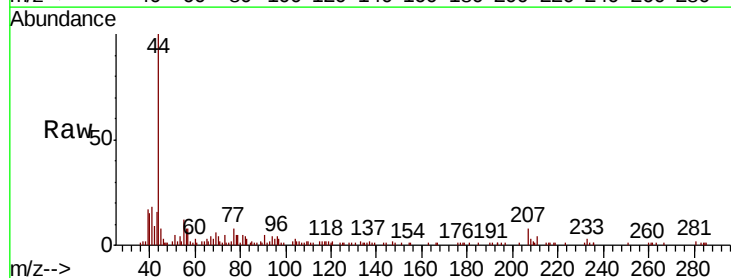
Tot Ion: 59 Resp: 1105
Ion Ratio Lower Upper
59 100
57 33.8 9.3 13.9#

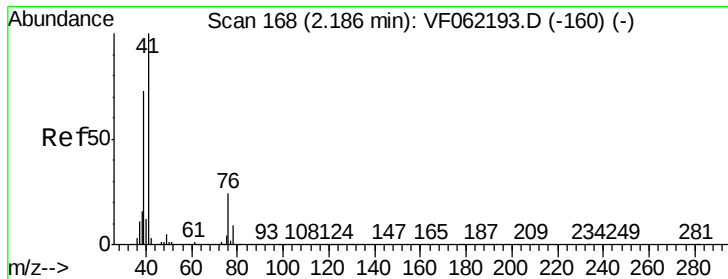


#13

Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion: 56 Resp: 649
Ion Ratio Lower Upper
56 100
55 84.9 57.4 86.0

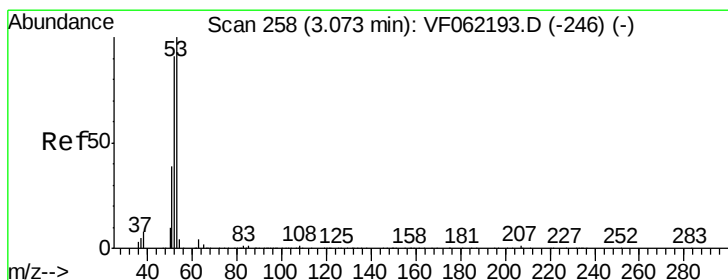
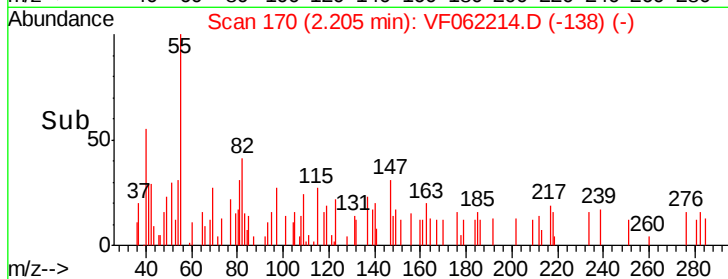
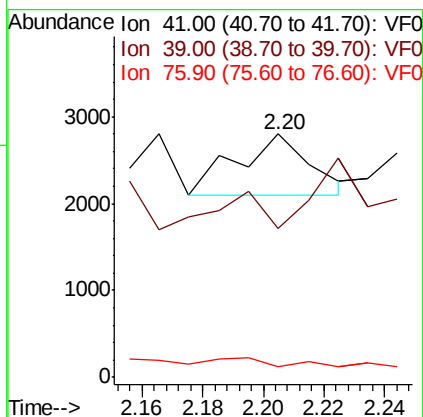
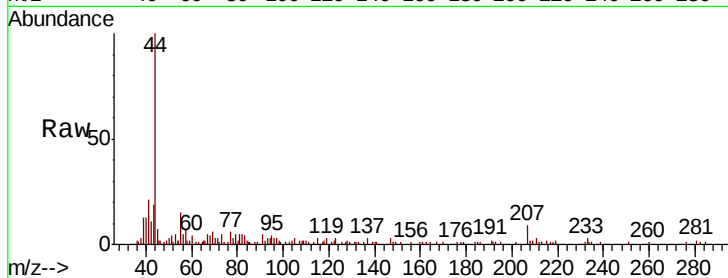




#14
Allvl chloride
Concen: 0.237 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

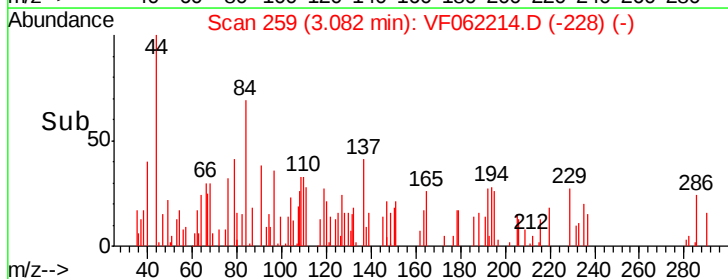
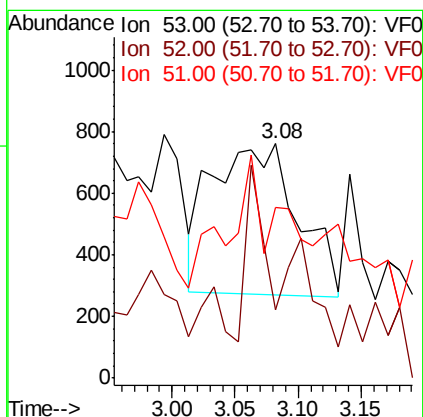
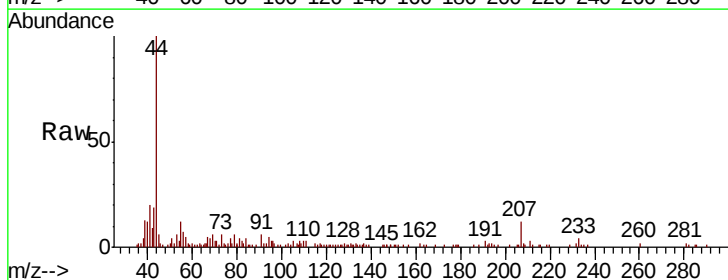
Instrument :
MSVOA_F
ClientSampleId :

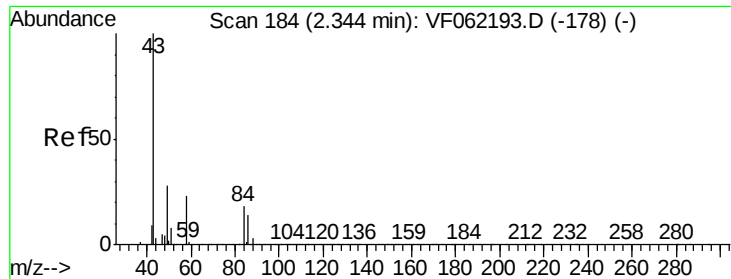
Tot Ion: 41 Resp: 1187
Ion Ratio Lower Upper
41 100
39 31.8 60.0 90.0#
76 0.0 20.6 30.8#



#15
Acrylonitrile
Concen: 3.042 ug/l
RT: 3.08 min Scan# 259
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion: 53 Resp: 2310
Ion Ratio Lower Upper
53 100
52 25.4 69.5 104.3#
51 52.6 31.8 47.8#





#16

Acetone

Concen: 22.760 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

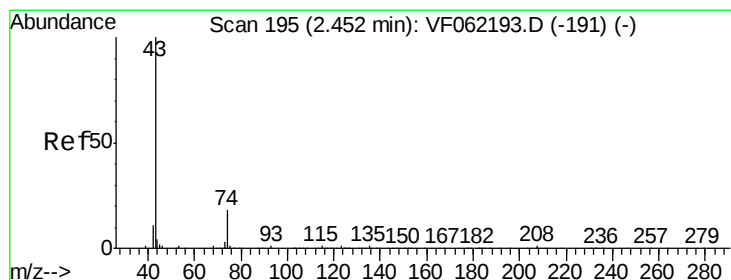
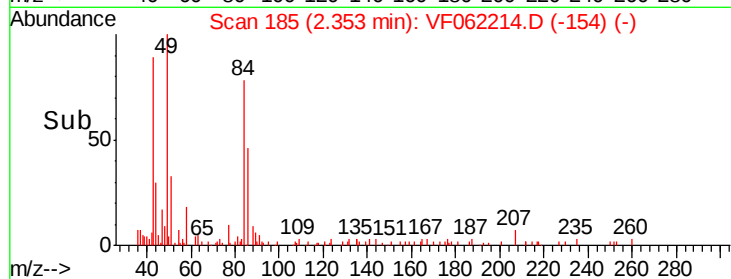
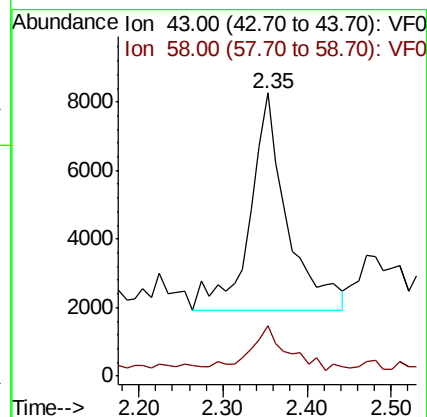
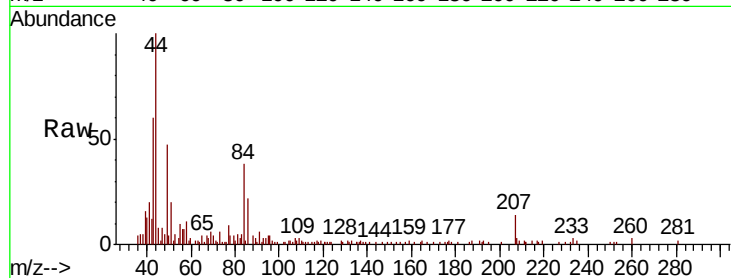
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 19514

Ion Ratio Lower Upper

43 100

58 18.6 18.8 28.2#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.47 min Scan# 197

Delta R.T. 0.02 min

Lab File: VF062214.D

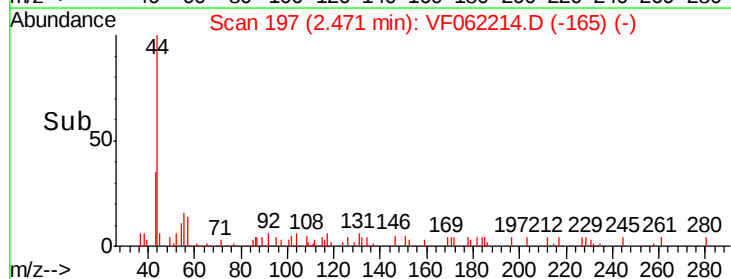
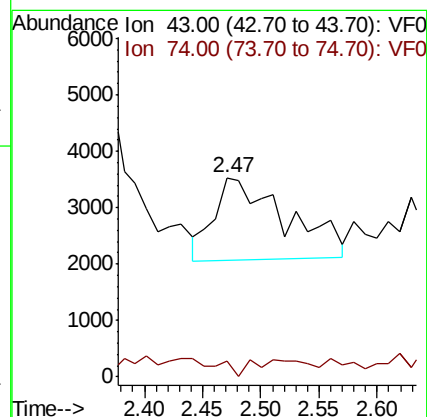
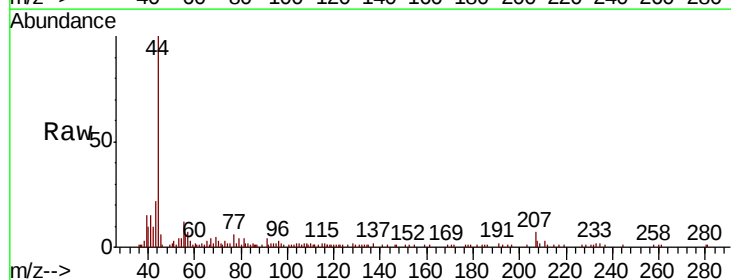
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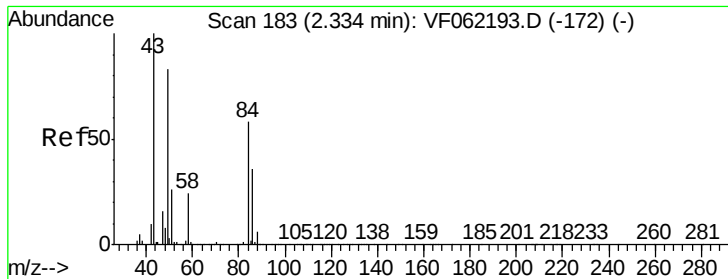
Tgt Ion: 43 Resp: 6235

Ion Ratio Lower Upper

43 100

74 16.6 14.5 21.7

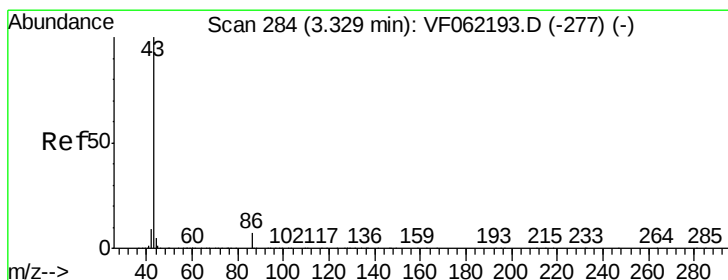
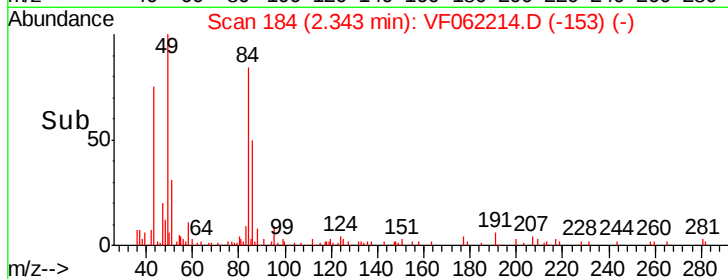
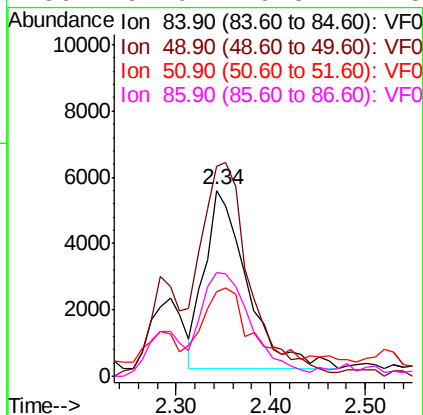
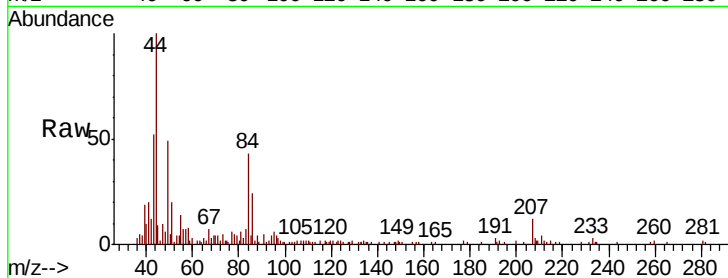




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

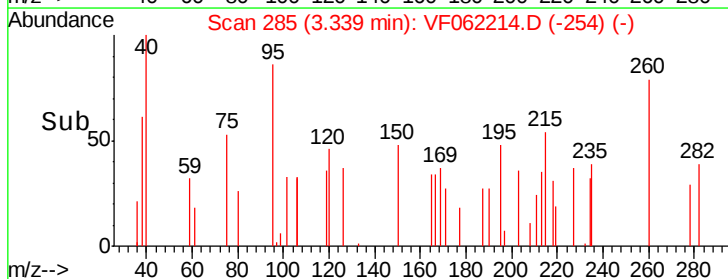
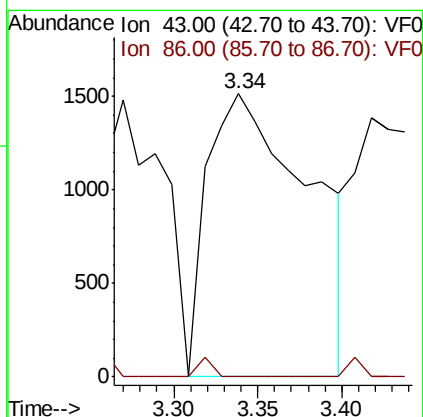
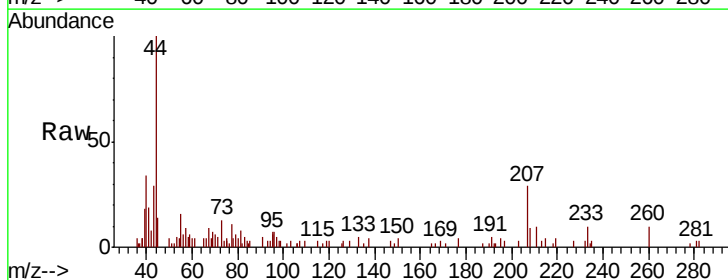
Instrument :
MSVOA_F
ClientSampleId :

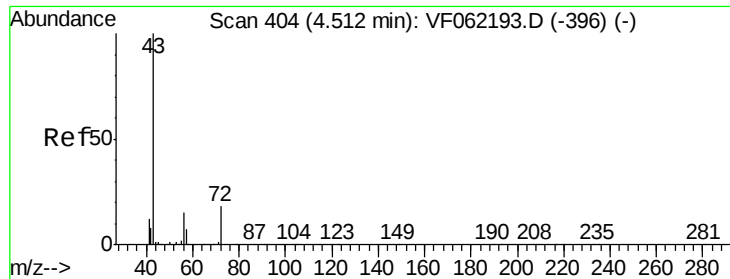
Tot Ion: 84 Resp: 16970
Ion Ratio Lower Upper
84 100
49 115.0 114.0 171.0
51 38.7 37.0 55.4
86 54.0 49.8 74.8



#23
Vinyl Acetate
Concen: 1.038 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion: 43 Resp: 6324
Ion Ratio Lower Upper
43 100
86 0.0 5.9 8.9#





#25

2-Butanone

Concen: 1.997 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.03 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

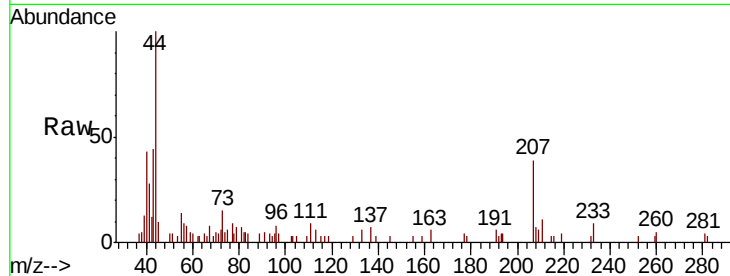
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3424

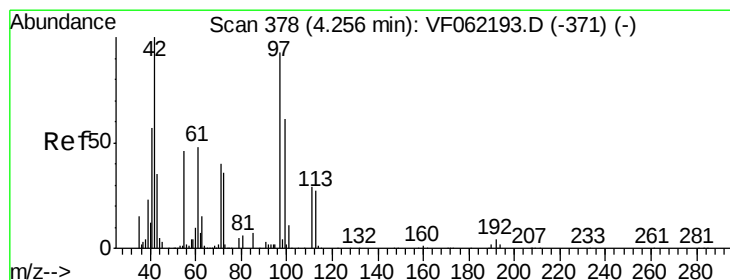
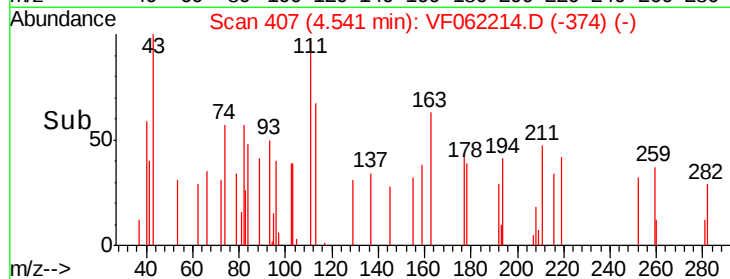
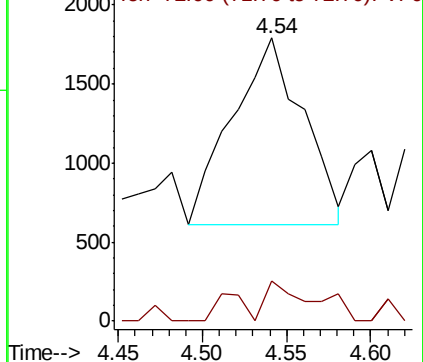
Ion Ratio Lower Upper

43 100

72 21.6 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 0.820 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.26 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

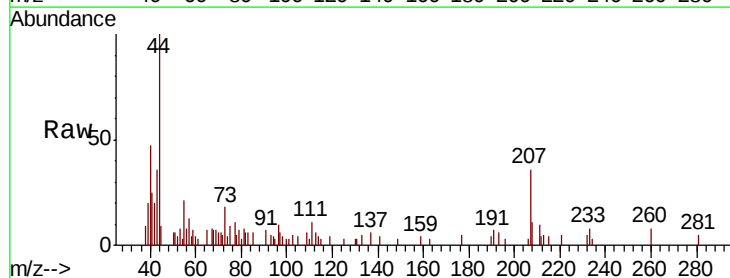
Tgt Ion: 42 Resp: 636

Ion Ratio Lower Upper

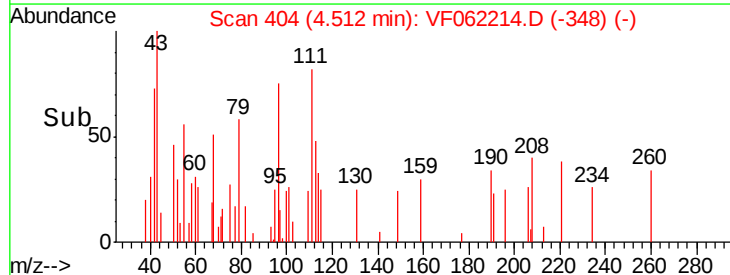
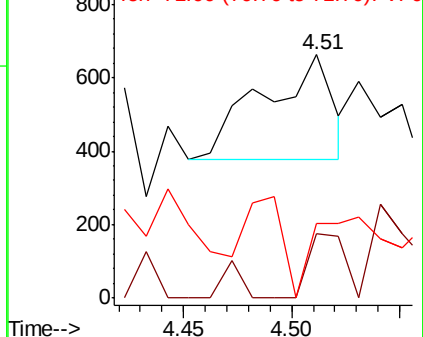
42 100

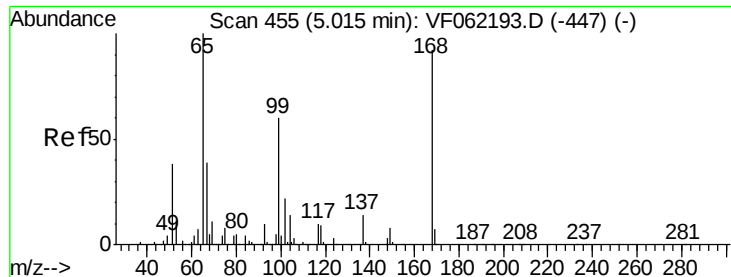
72 31.8 28.6 43.0

71 37.9 29.2 43.8



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: 49.210 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

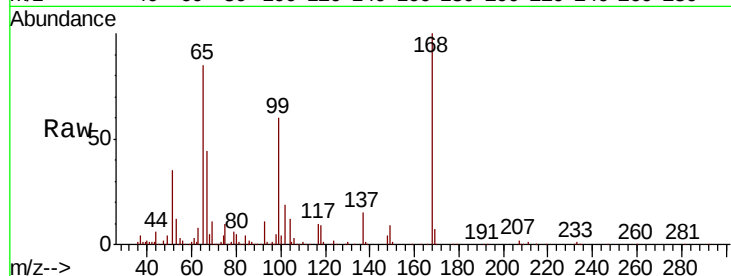
ClientSampleId :

Tot Ion: 65 Resp: 176515

Ion Ratio Lower Upper

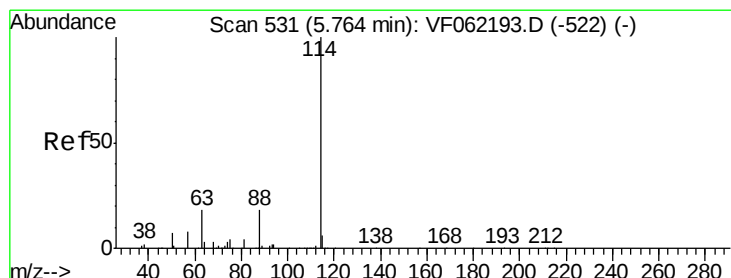
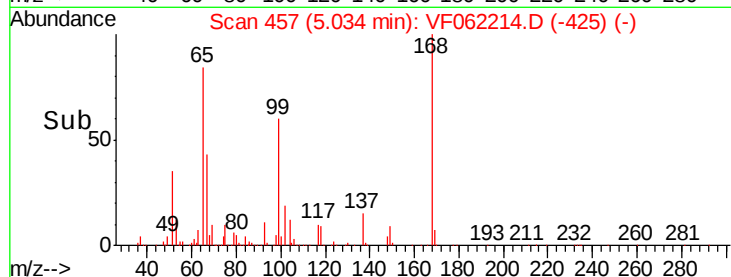
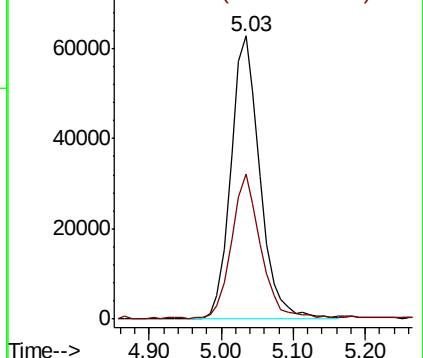
65 100

67 51.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

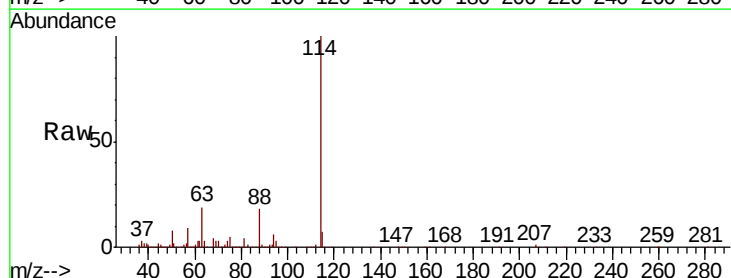
Tgt Ion: 114 Resp: 590947

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.6

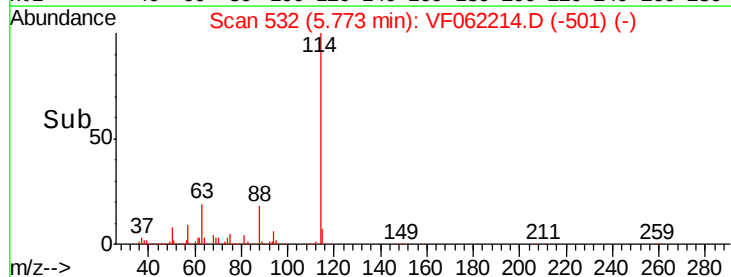
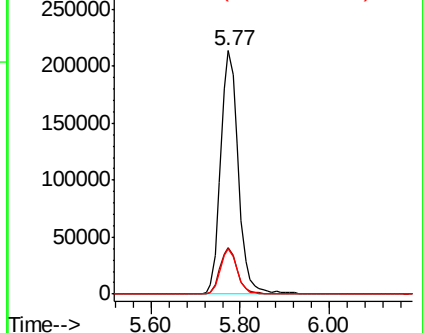
88 18.3 0.0 35.8

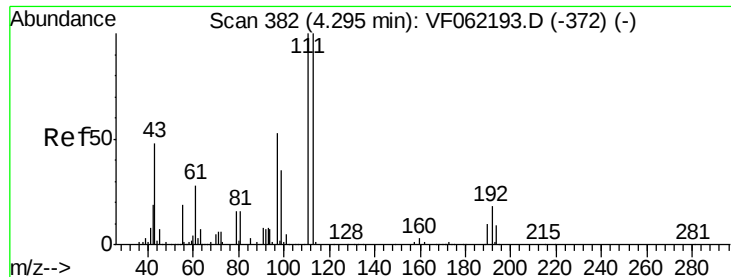


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

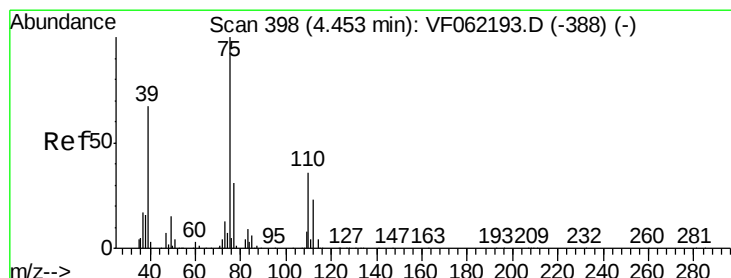
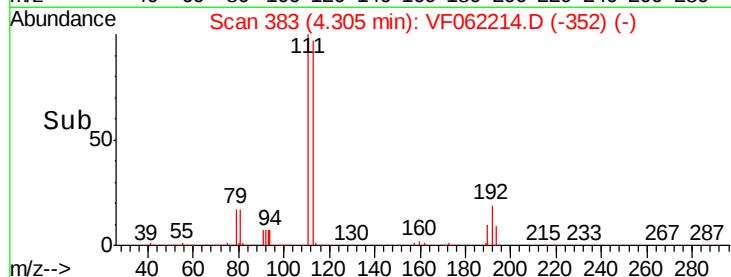
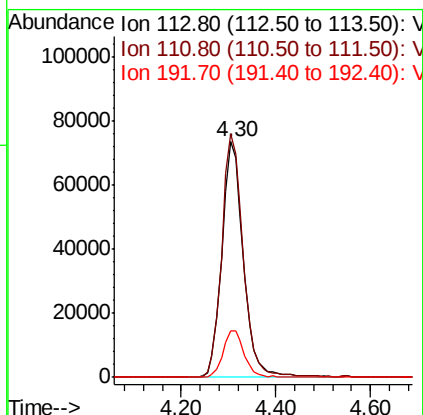
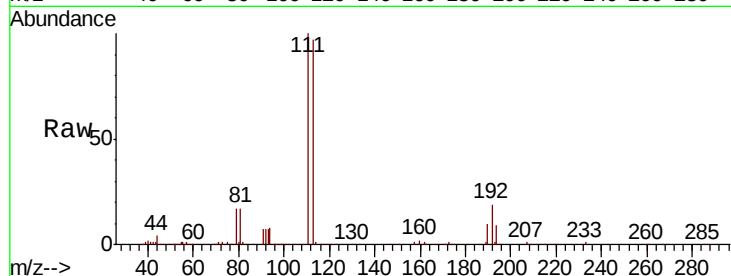




#35
 Dibromofluoromethane
 Concen: 44.682 ug/l
 RT: 4.30 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062214.D
 Acq: 18 Apr 2019 19:35

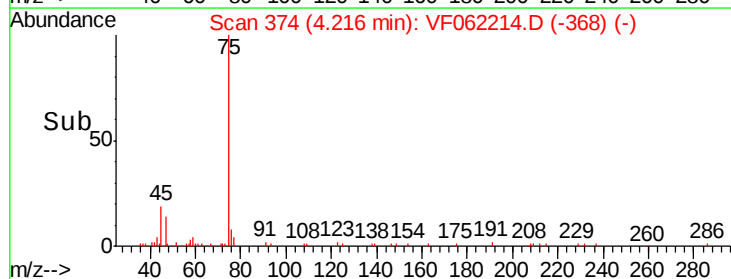
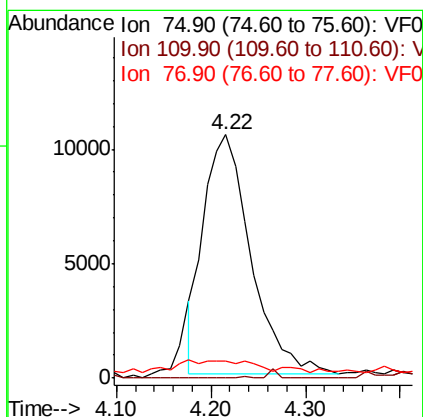
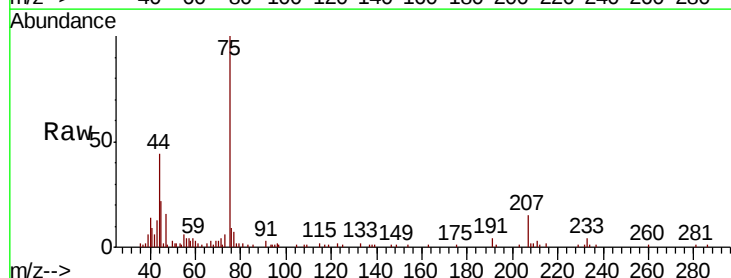
Instrument :
 MSVOA_F
 ClientSampleId :

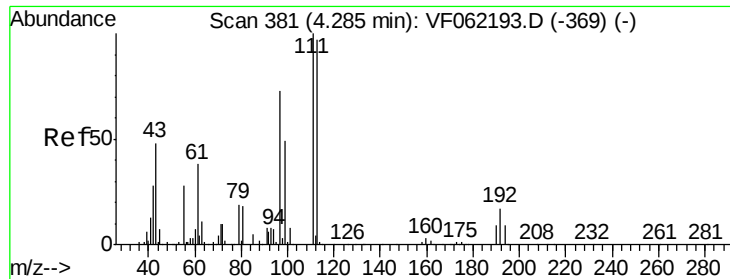
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	19.7	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 5.116 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.24 min
 Lab File: VF062214.D
 Acq: 18 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.4	55.2#
77	0.0	25.4	38.2#

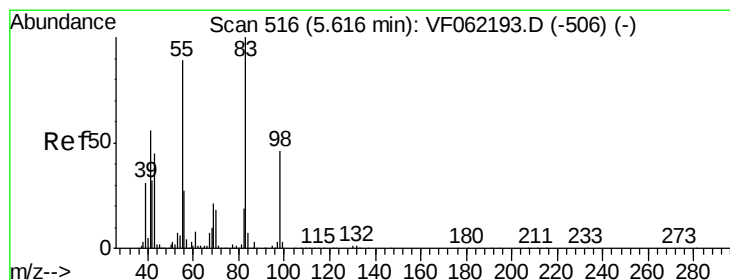
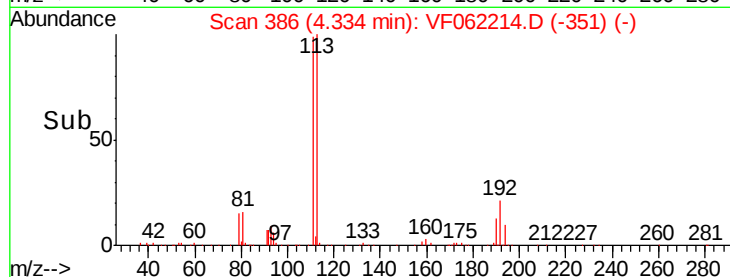
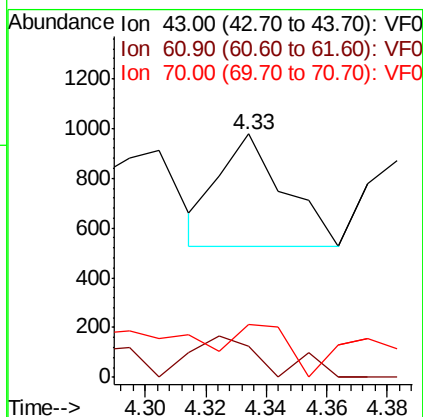
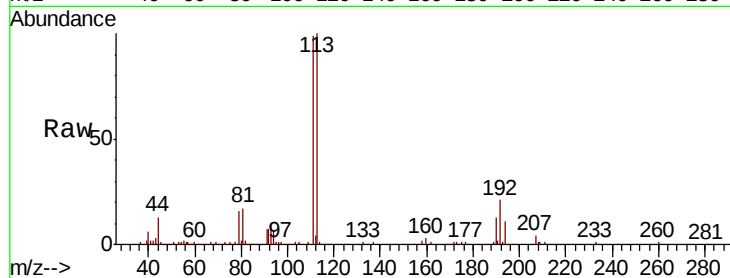




#37
Ethyl Acetate
Concen: 0.200 ug/l
RT: 4.33 min Scan# 386
Delta R.T. 0.05 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

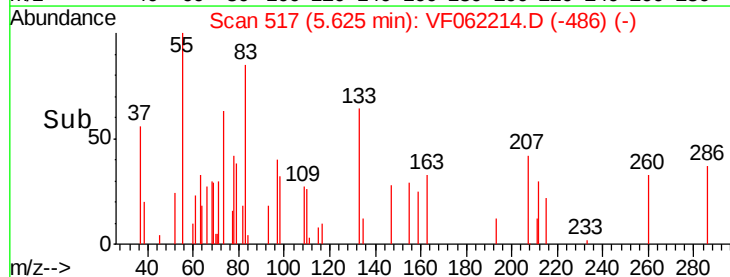
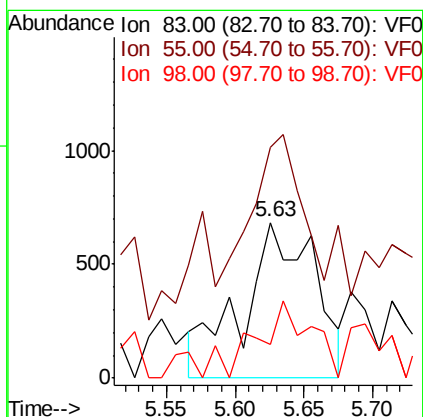
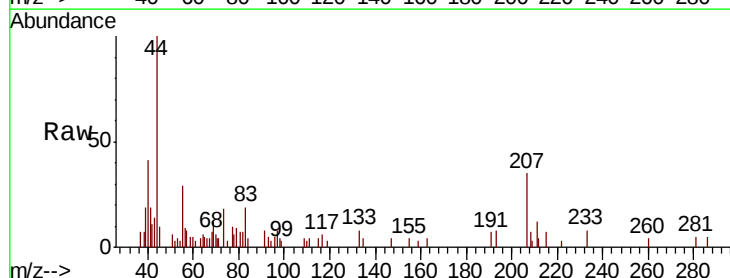
Instrument :
MSVOA_F
ClientSampleId :

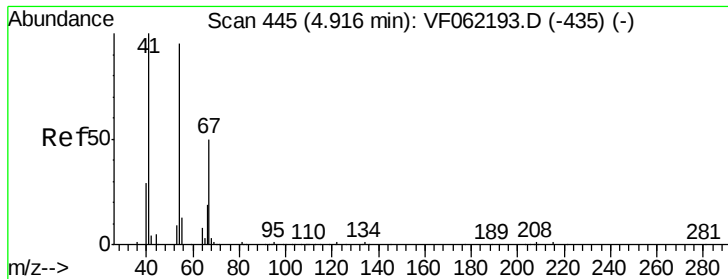
Tot Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
61 43.8 0.0 0.0#
70 0.0 7.8 11.6#



#39
Methylcyclohexane
Concen: 0.293 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion: 83 Resp: 2489
Ion Ratio Lower Upper
83 100
55 108.4 71.0 106.6#
98 30.9 36.7 55.1#

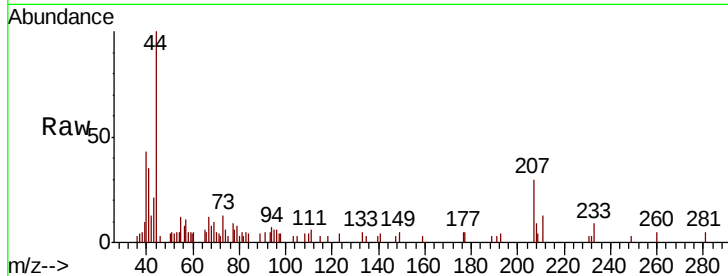




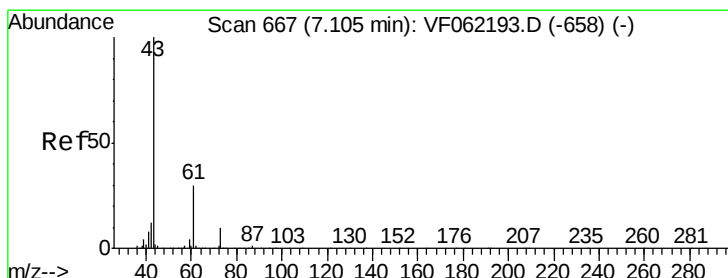
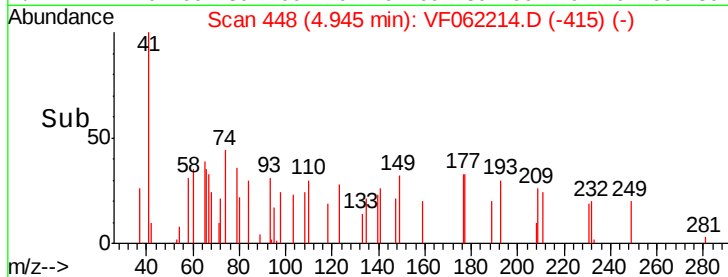
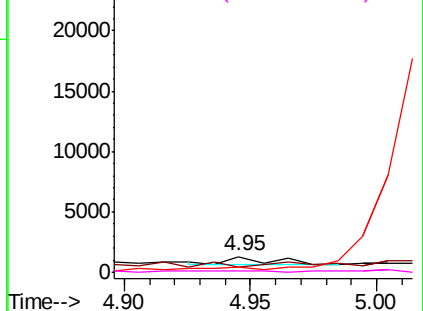
#41
Methacrylonitrile
Concen: 0.387 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.03 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	746
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.7	67.1#
67	0.0	39.1	58.7#
52	51.5	49.8	74.8

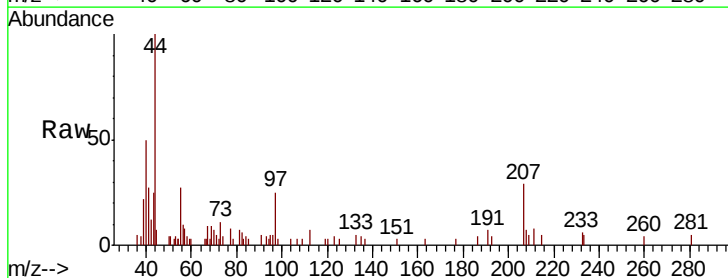


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

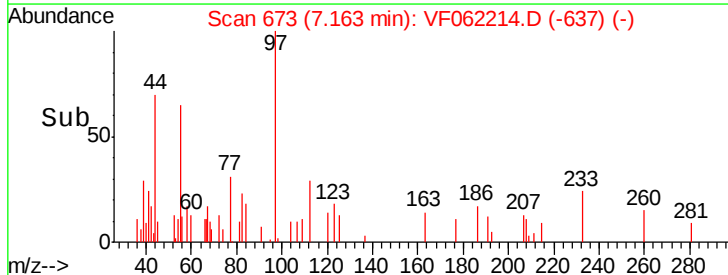
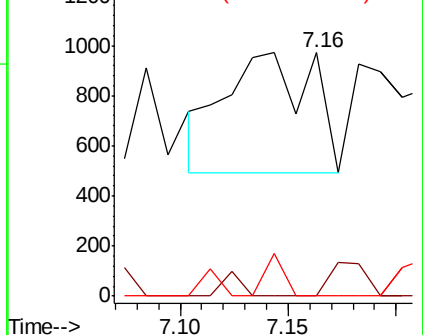


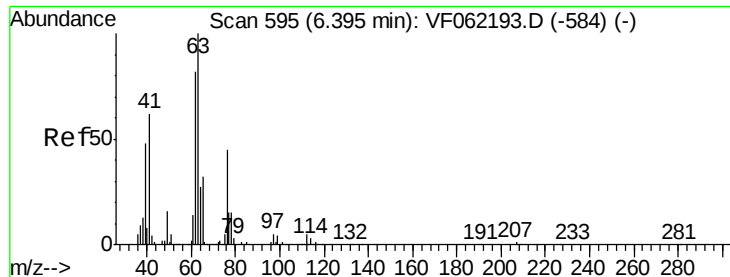
#43
Isopropyl Acetate
Concen: 0.376 ug/l
RT: 7.16 min Scan# 673
Delta R.T. 0.06 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion:	43	Resp:	1321
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.4	36.6#
87	7.6	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





#45

1,2-Dichloropropane

Concen: 0.224 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.03 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

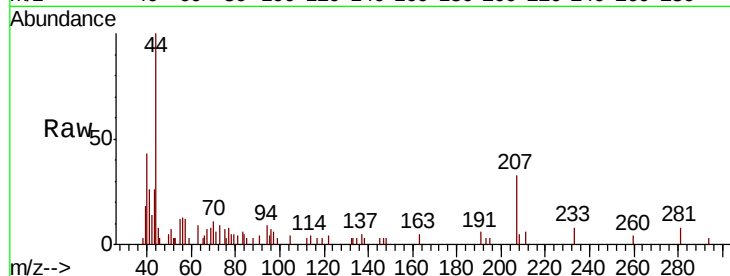
ClientSampleId :

Tot Ion: 63 Resp: 916

Ion Ratio Lower Upper

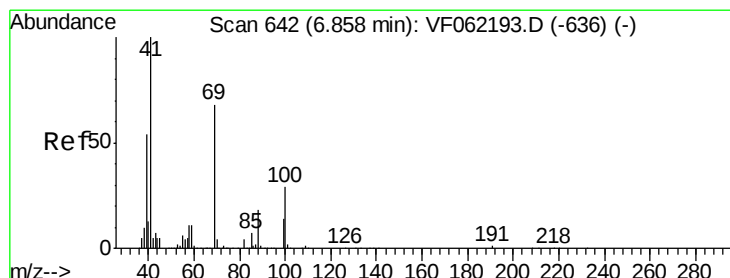
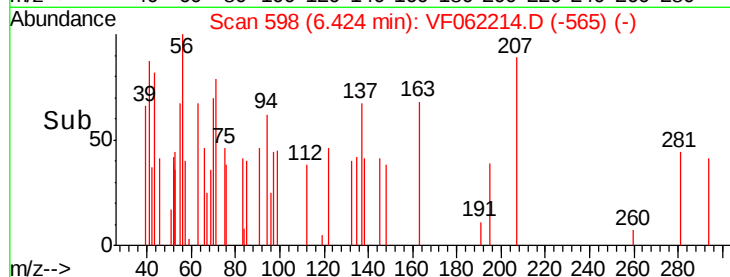
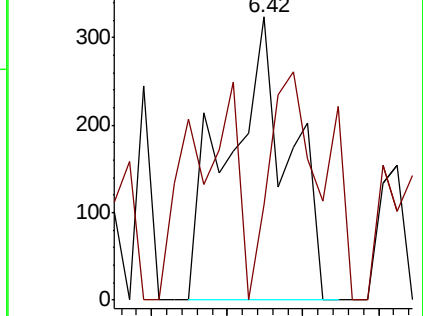
63 100

65 0.0 25.9 38.9#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#49

1,4-Dioxane

Concen: 5.056 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

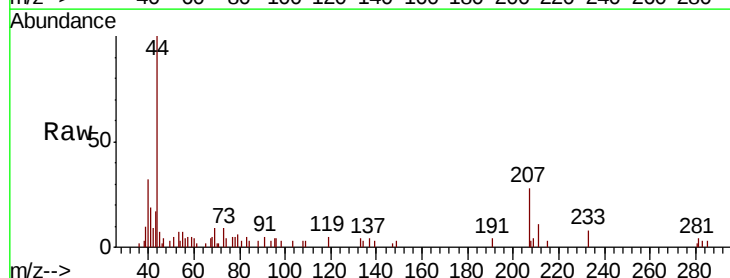
Tgt Ion: 88 Resp: 134

Ion Ratio Lower Upper

88 100

43 103.7 36.9 55.3#

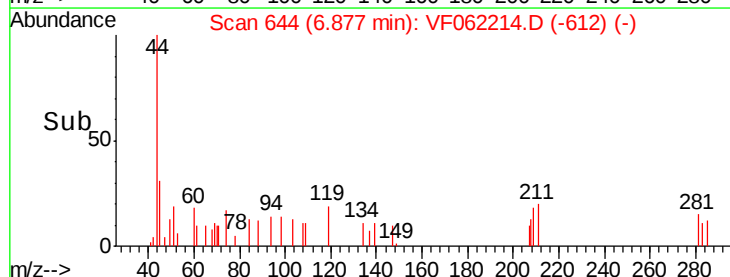
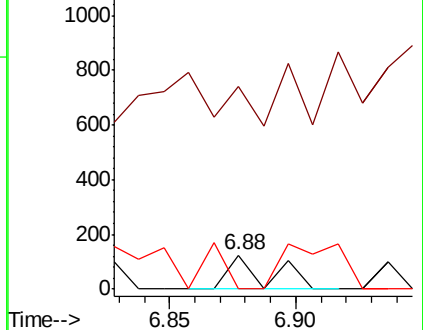
58 0.0 56.8 85.2#

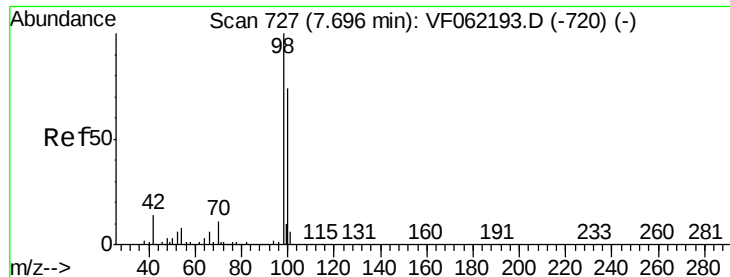


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

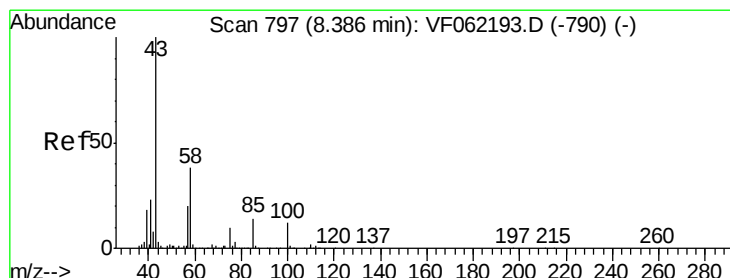
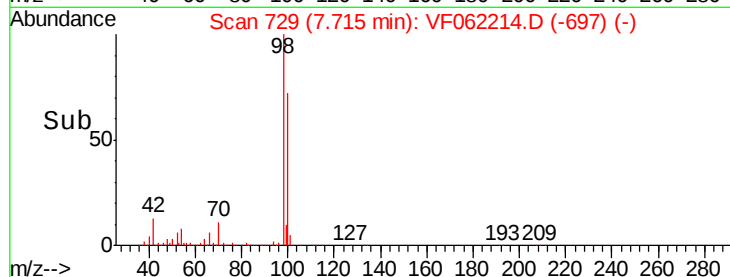
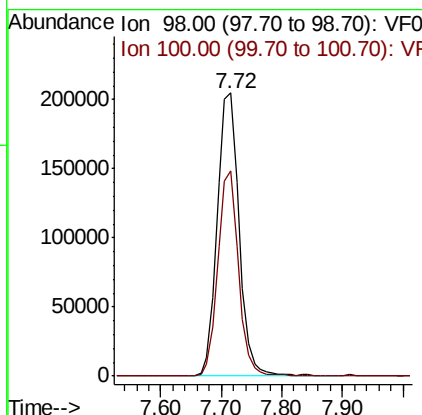
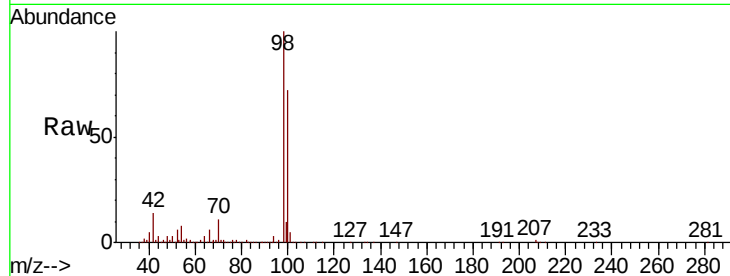




#50
Toluene-d8
Concen: 39.468 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

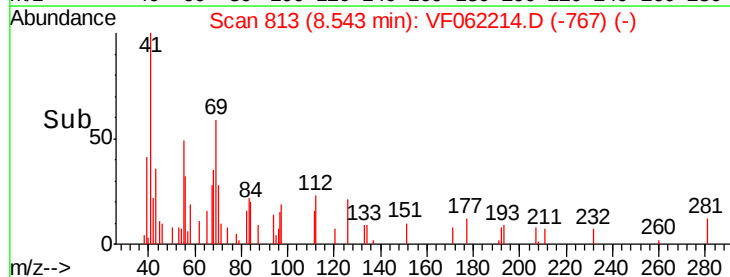
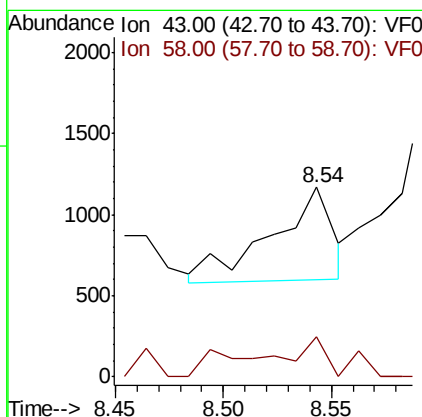
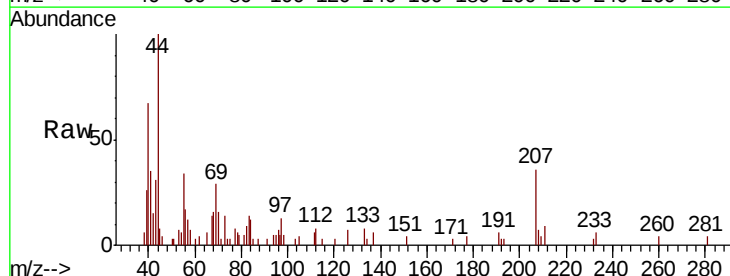
Instrument :
MSVOA_F
ClientSampleId :

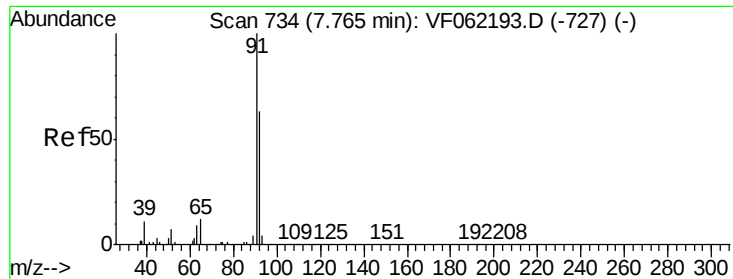
Tot Ion: 98 Resp: 516445
Ion Ratio Lower Upper
98 100
100 68.7 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 0.435 ug/l
RT: 8.54 min Scan# 813
Delta R.T. 0.16 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
58 33.3 29.3 43.9





#52

Toluene

Concen: 0.919 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

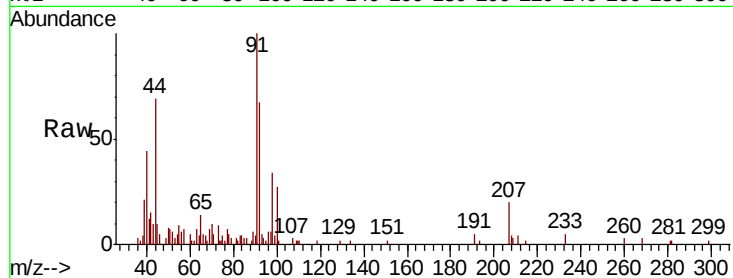
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 92 Resp: 9002

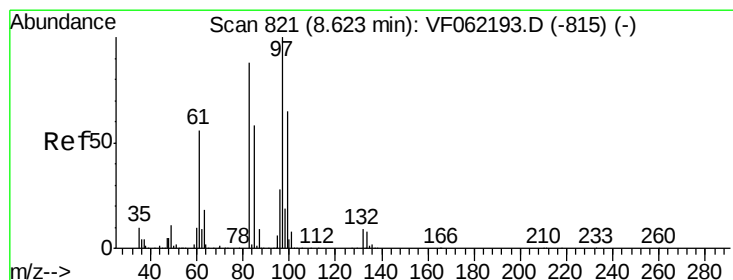
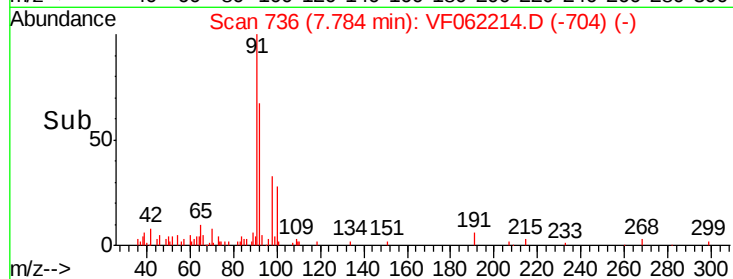
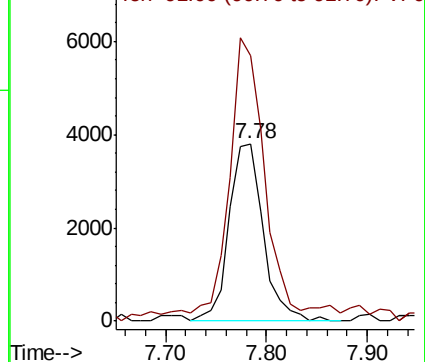
Ion Ratio Lower Upper

92 100

91 172.1 130.1 195.1



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: 0.271 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Tgt Ion: 97 Resp: 743

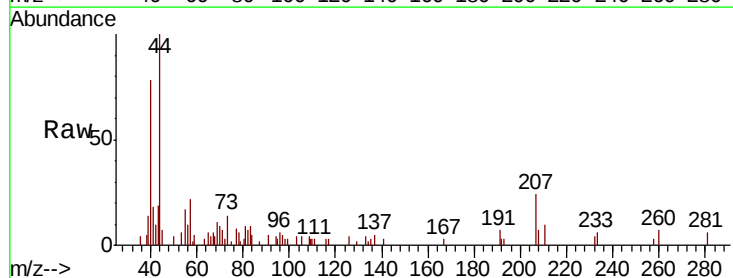
Ion Ratio Lower Upper

97 100

83 115.1 70.2 105.2#

85 0.0 46.2 69.4#

99 56.0 52.2 78.4

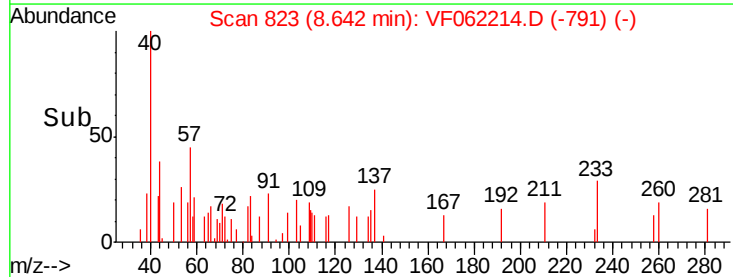
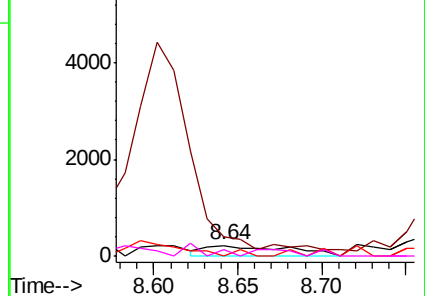


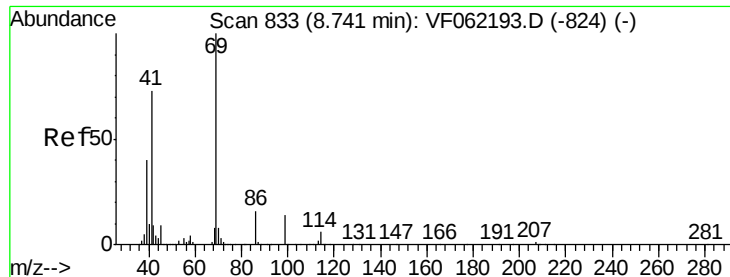
Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0





#56

Ethyl methacrylate

Concen: 3.134 ug/l

RT: 8.76 min Scan# 835

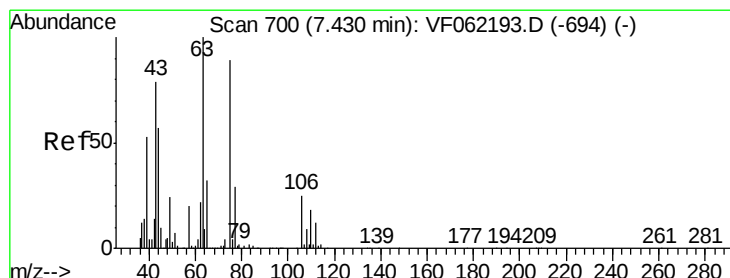
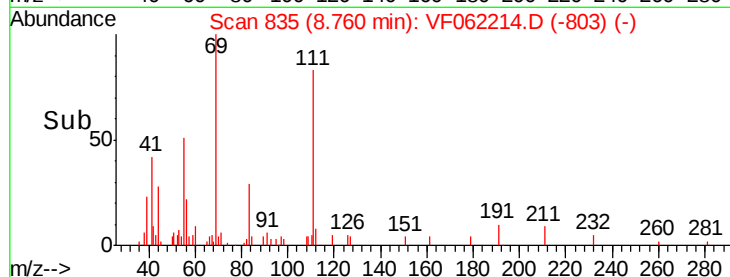
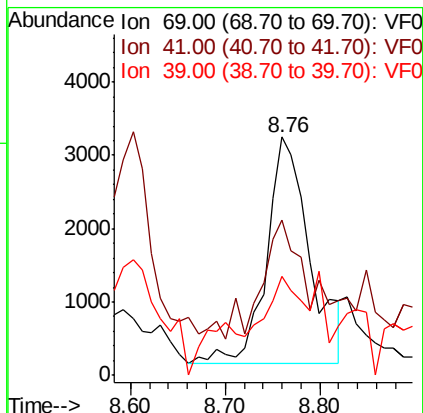
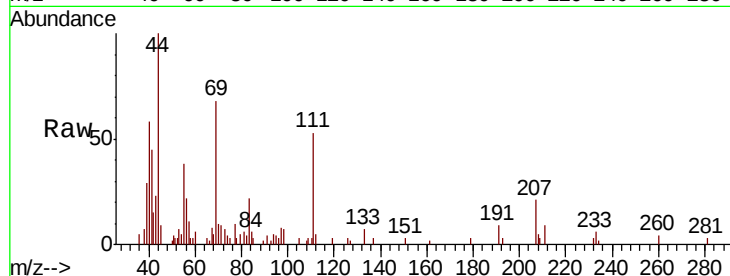
Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	69	Resp:	9778
Ion	Ratio	Lower	Upper
69	100		
41	46.6	61.5	92.3#
39	0.0	33.3	49.9#



#58

2-Chloroethyl Vinyl ether

Concen: 1.128 ug/l

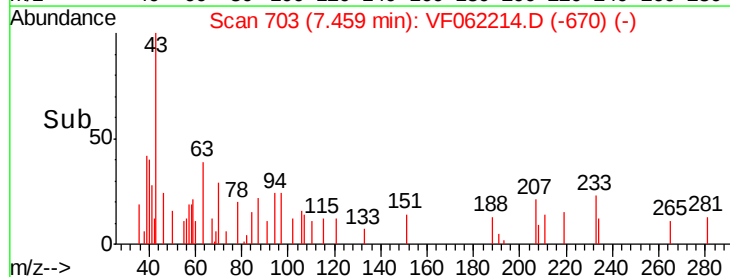
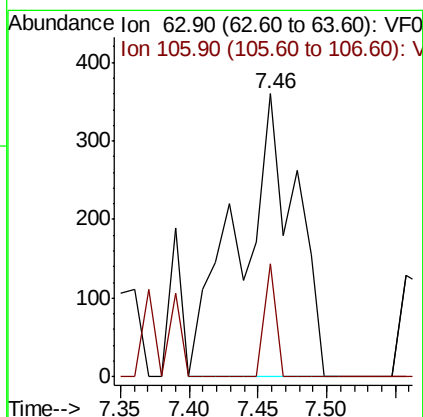
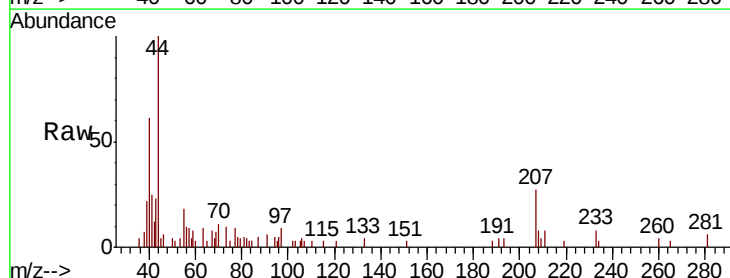
RT: 7.46 min Scan# 703

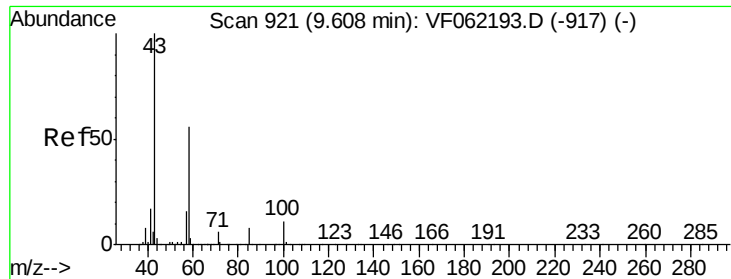
Delta R.T. 0.03 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Tgt Ion:	63	Resp:	1022
Ion	Ratio	Lower	Upper
63	100		
106	8.3	21.4	32.0#

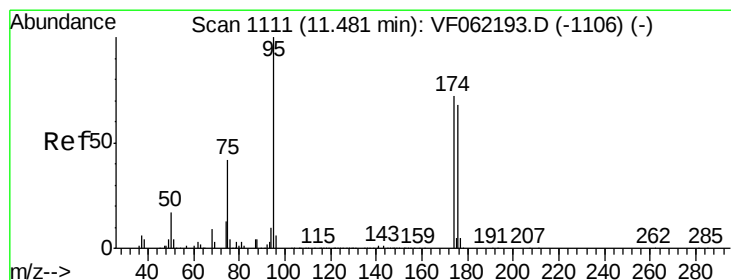
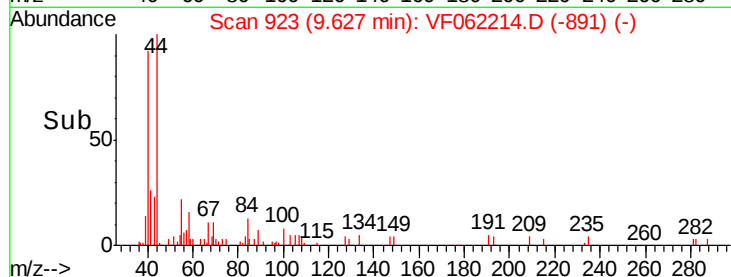
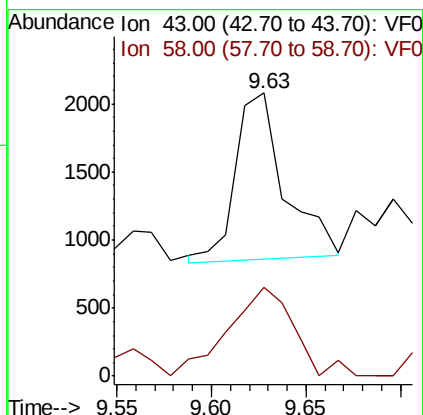
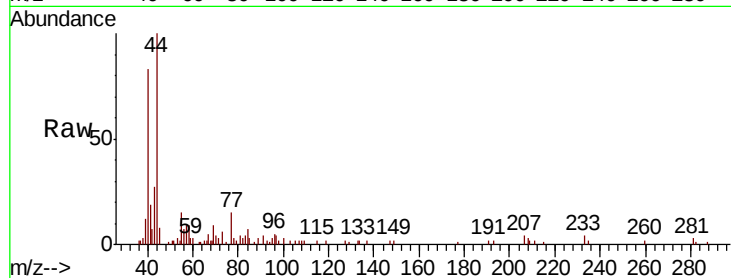




#59
2-Hexanone
Concen: 1.485 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

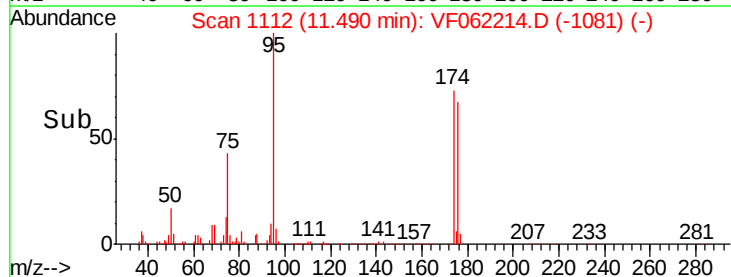
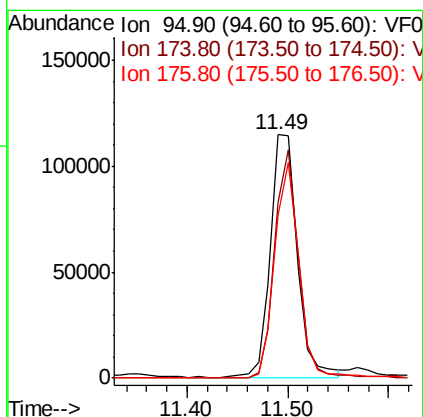
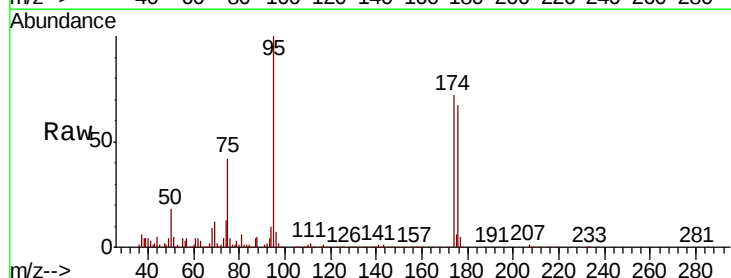
Instrument :
MSVOA_F
ClientSampled :

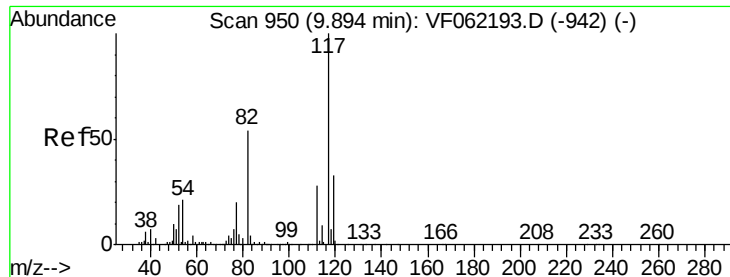
Tot Ion: 43 Resp: 2200
Ion Ratio Lower Upper
43 100
58 71.8 24.6 74.0



#62
4-Bromofluorobenzene
Concen: 42.097 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion: 95 Resp: 211906
Ion Ratio Lower Upper
95 100
174 84.3 0.0 159.4
176 80.9 0.0 155.4

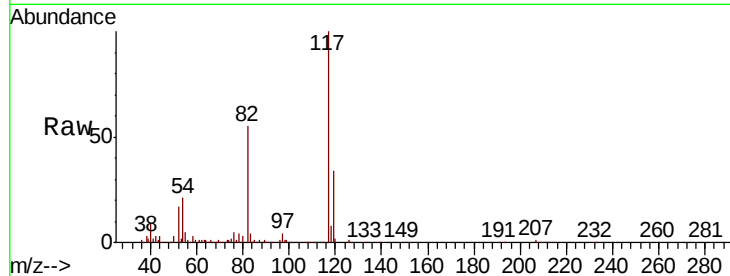




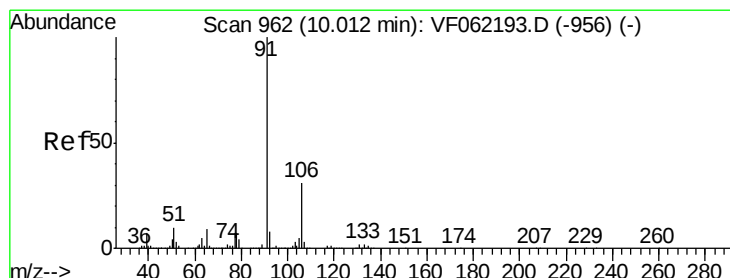
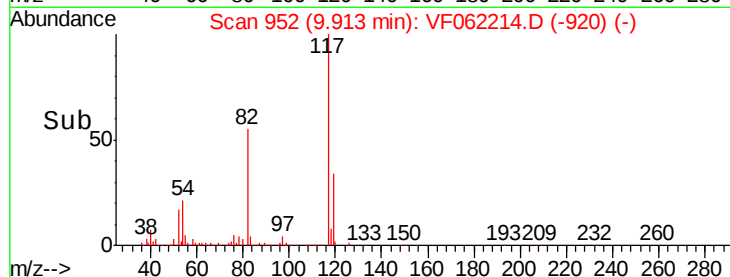
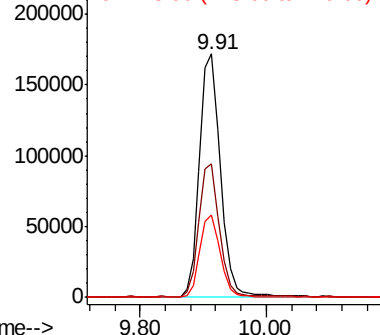
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.2	64.8
119	33.8	26.2	39.4

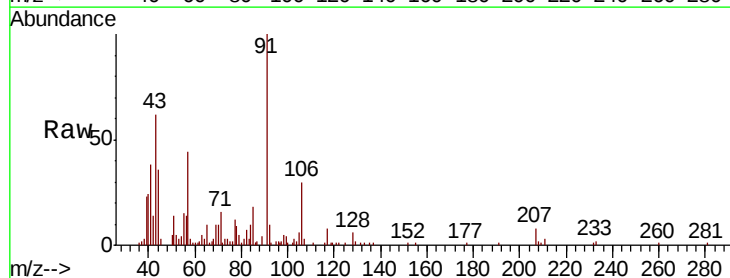


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

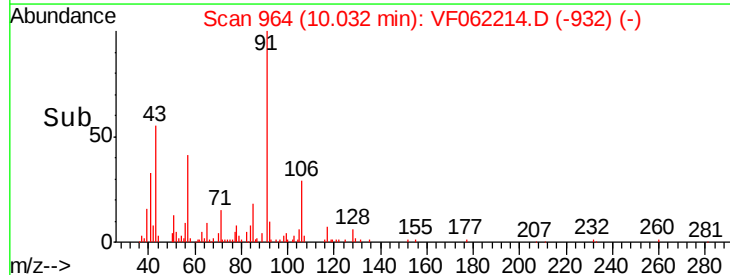
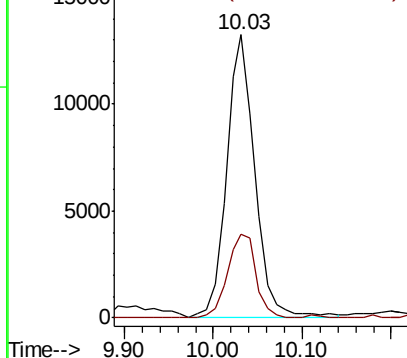


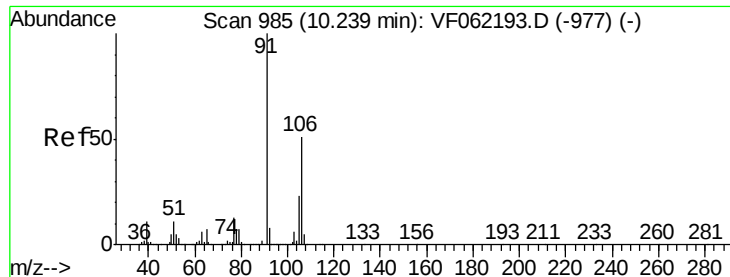
#67
Ethyl Benzene
Concen: 1.915 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.9	37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.534 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

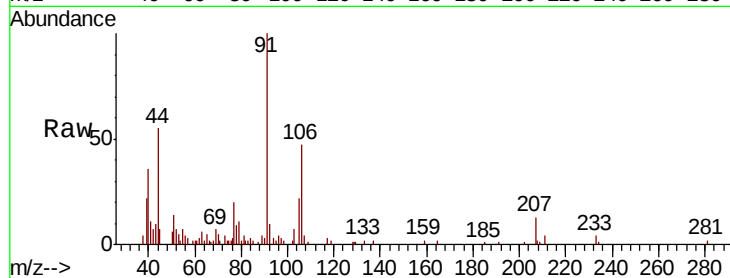
ClientSampled :

Tot Ion:106 Resp: 8718

Ion Ratio Lower Upper

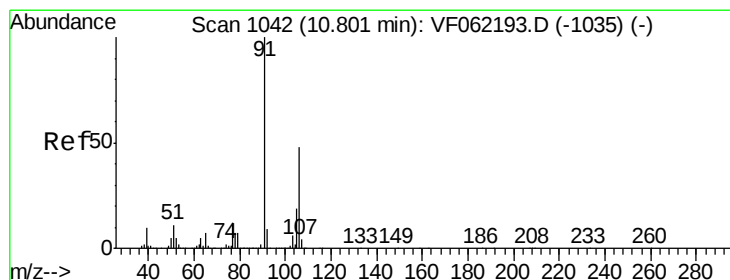
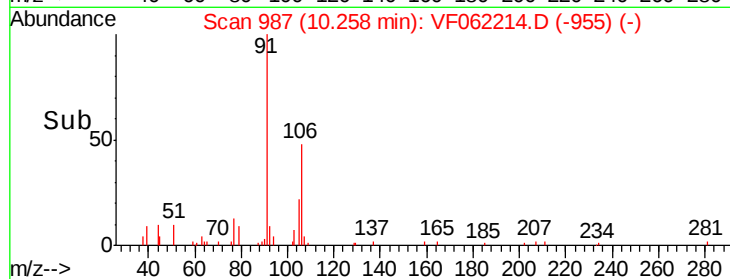
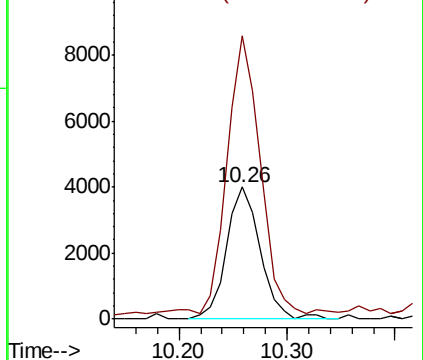
106 100

91 209.6 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 8.426 ug/l

RT: 10.82 min Scan# 1044

Delta R.T. 0.02 min

Lab File: VF062214.D

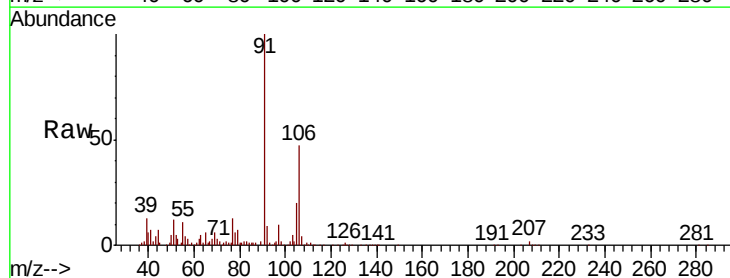
Acq: 18 Apr 2019 19:35

Tgt Ion:106 Resp: 53167

Ion Ratio Lower Upper

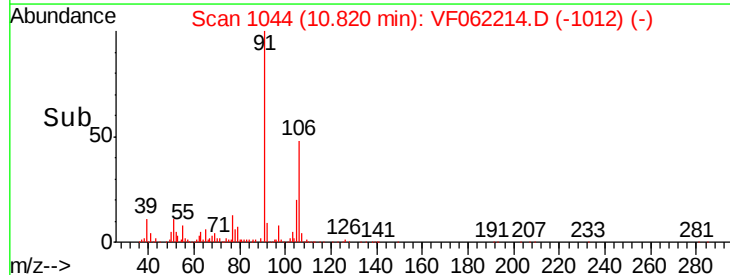
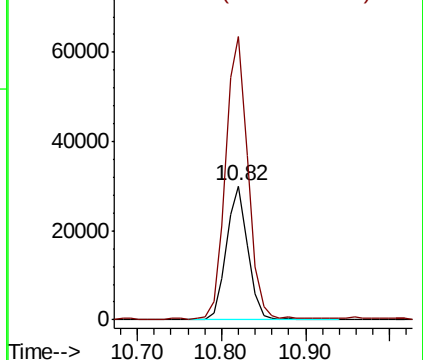
106 100

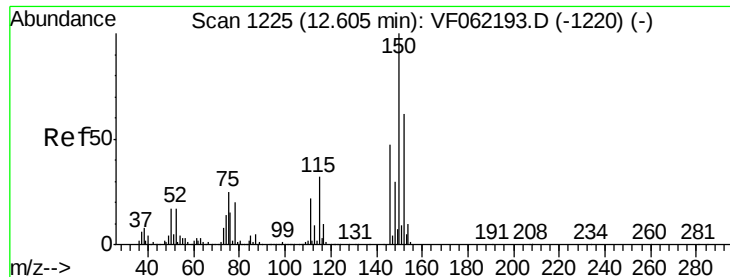
91 219.0 107.5 322.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



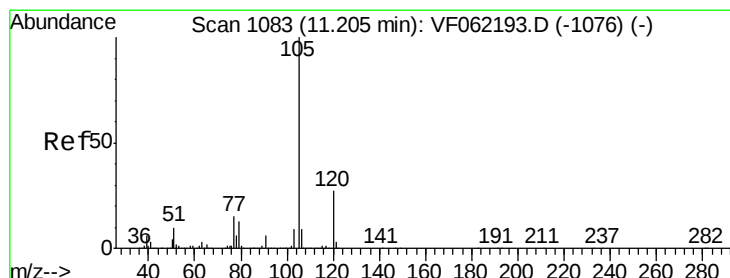
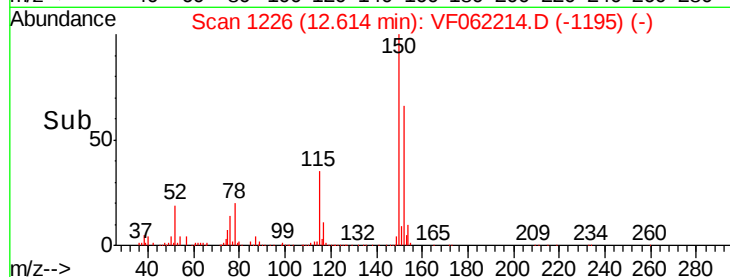
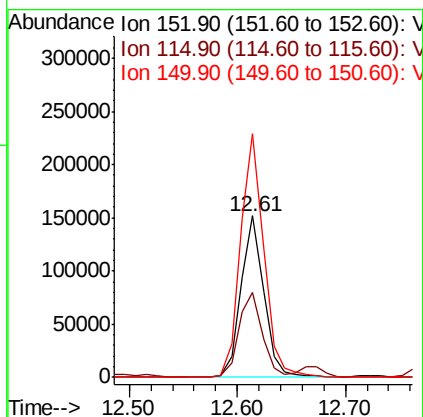
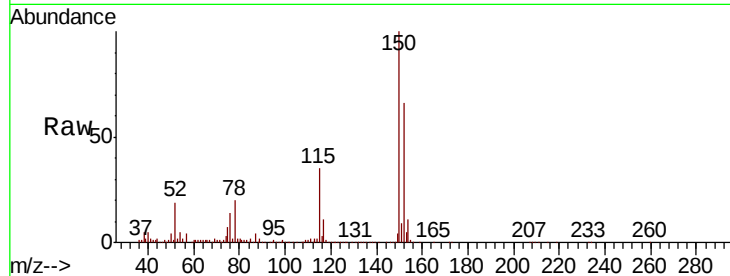


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Instrument :
MSVOA_F
ClientSampleId :

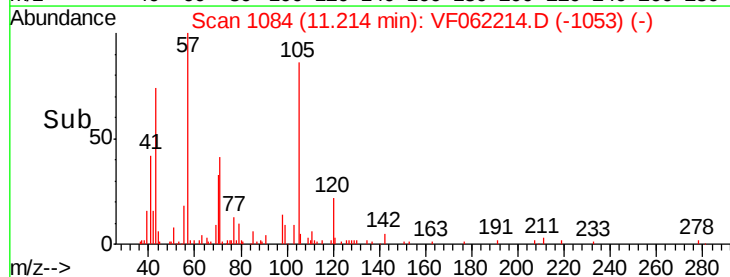
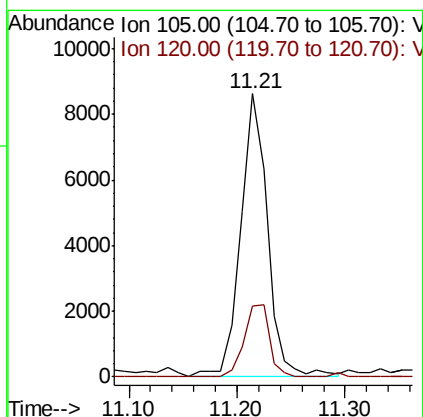
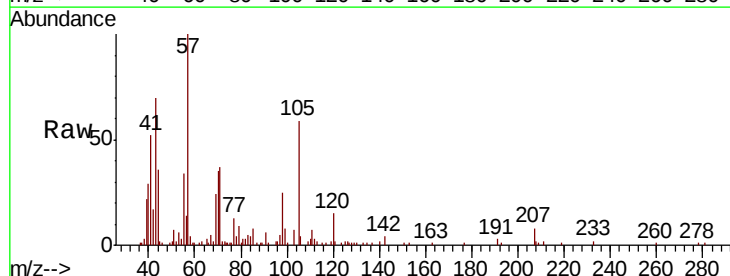
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.8	83.3
150	153.5	0.0	341.8

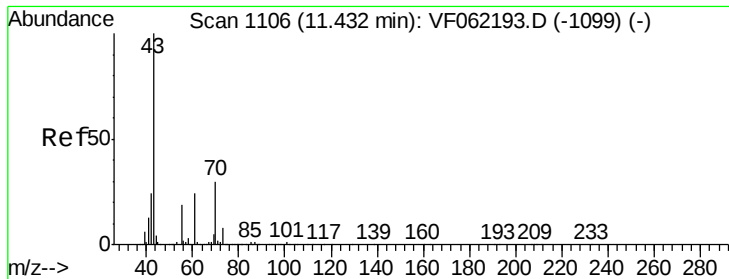


#73

Isopropylbenzene
Concen: 0.776 ug/l
RT: 11.21 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.8	13.0	38.9

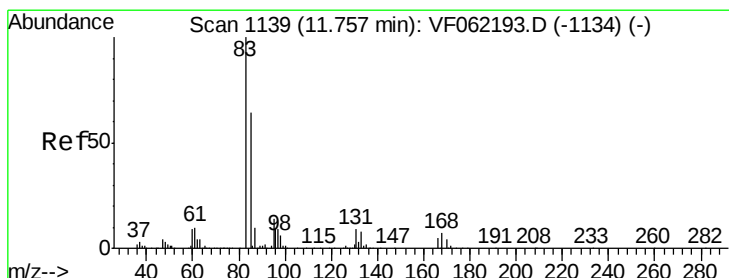
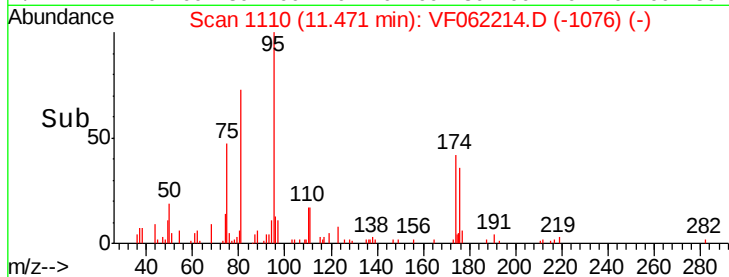
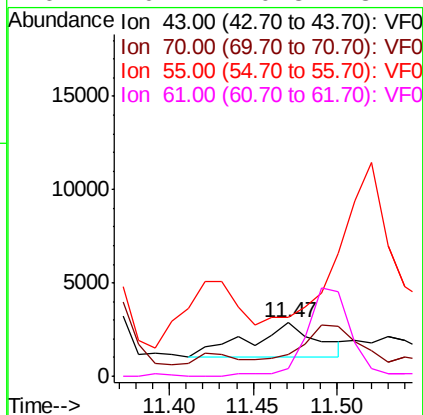
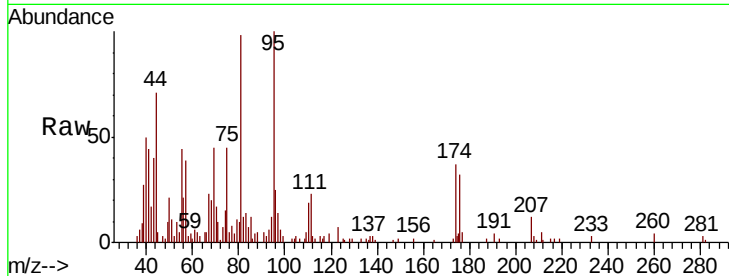




#74
N-amvl acetate
Concen: Below Cal
RT: 11.47 min Scan# 1110
Delta R.T. 0.04 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

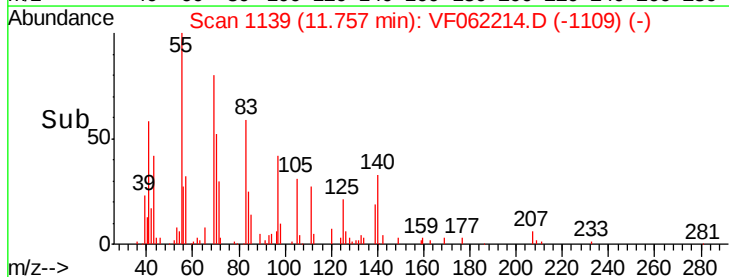
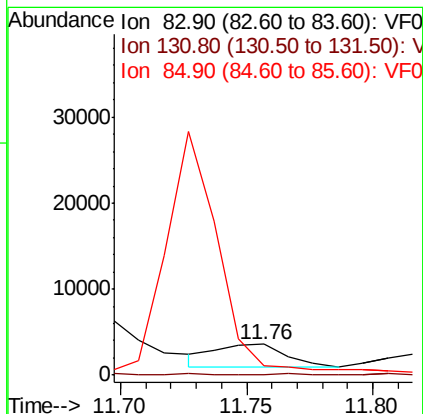
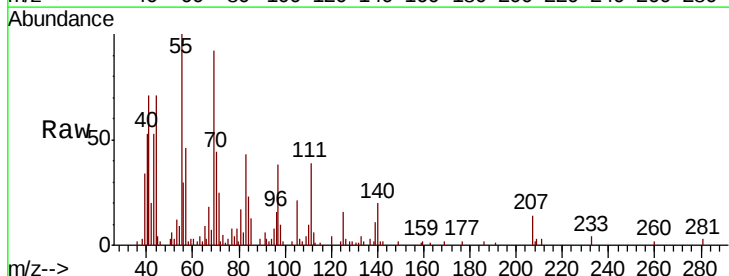
Instrument :
MSVOA_F
ClientSampled :

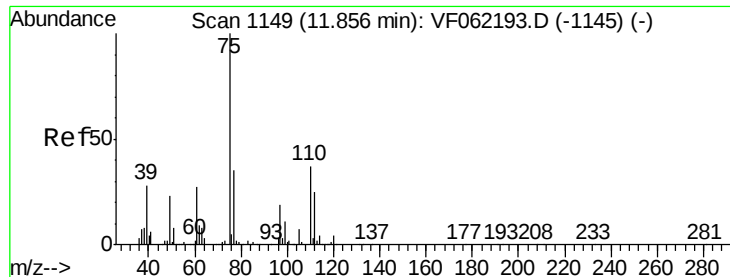
Tot Ion: 43 Resp: 5046
Ion Ratio Lower Upper
43 100
70 85.9 27.0 40.4#
55 0.0 15.7 23.5#
61 170.7 20.8 31.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.610 ug/l
RT: 11.76 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion: 83 Resp: 5329
Ion Ratio Lower Upper
83 100
131 2.9 4.5 13.5#
85 0.0 34.7 104.1#





#76

1,2,3-Trichloropropane

Concen: 1.572 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.04 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

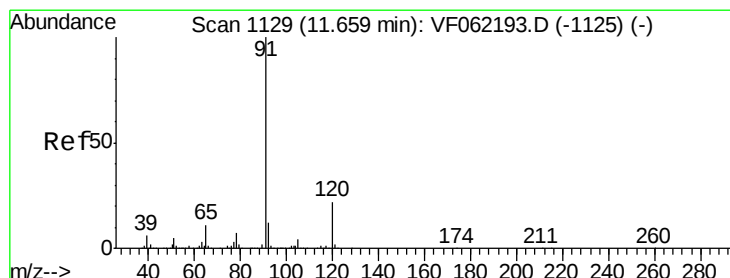
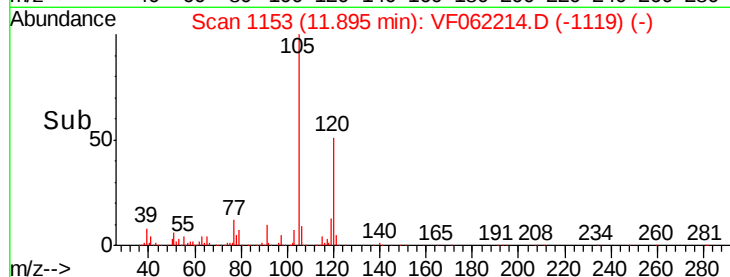
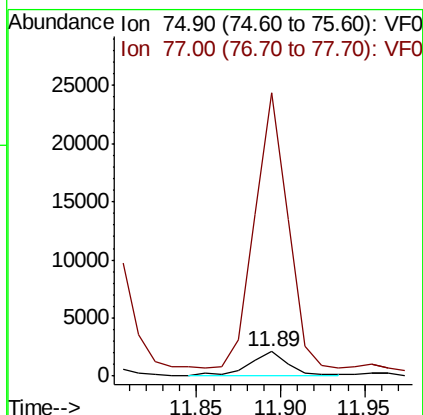
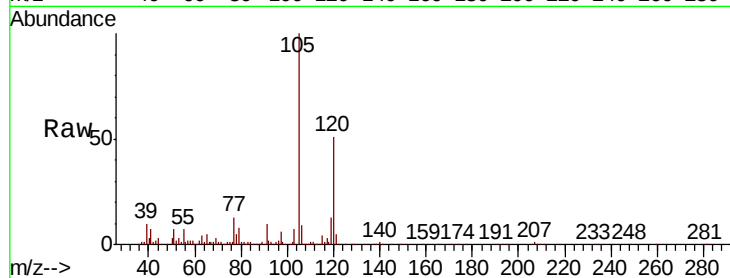
ClientSampleId :

Tot Ion: 75 Resp: 3578

Ion Ratio Lower Upper

75 100

77 904.1 7.4 22.2#



#78

n-propylbenzene

Concen: 2.588 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062214.D

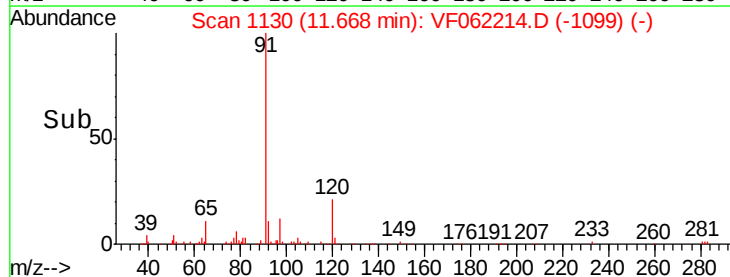
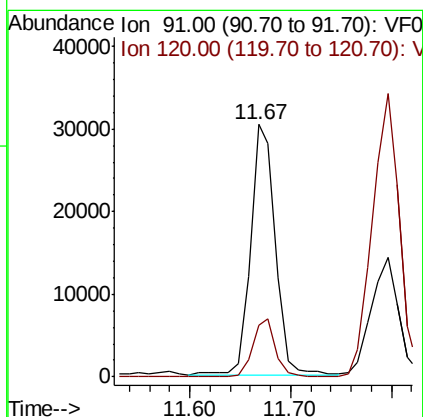
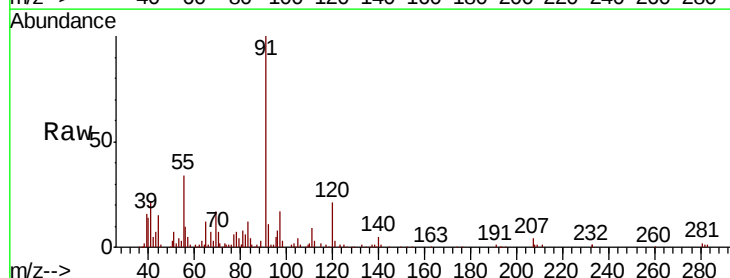
Acq: 18 Apr 2019 19:35

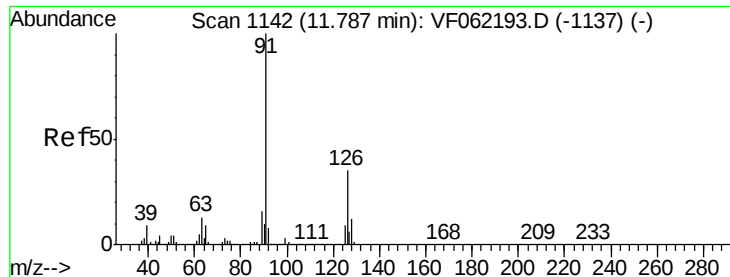
Tgt Ion: 91 Resp: 52540

Ion Ratio Lower Upper

91 100

120 21.0 11.2 33.6





#79

2-Chlorotoluene

Concen: 2.142 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

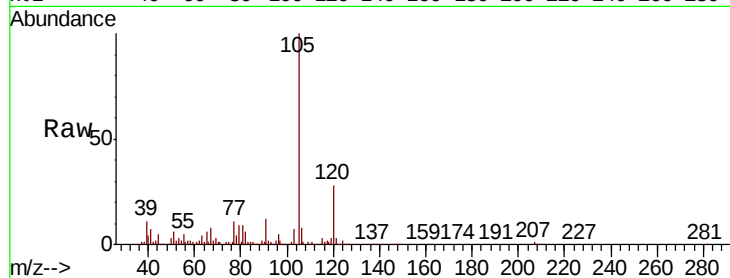
ClientSampleId :

Tot Ion: 91 Resp: 26376

Ion Ratio Lower Upper

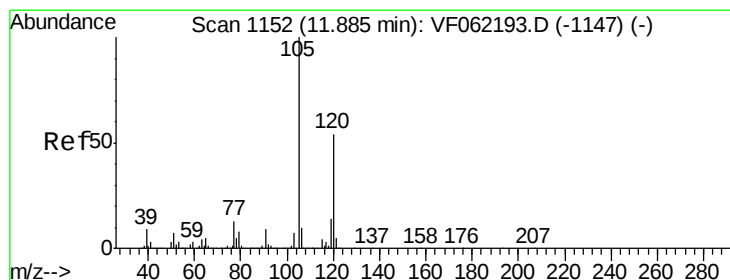
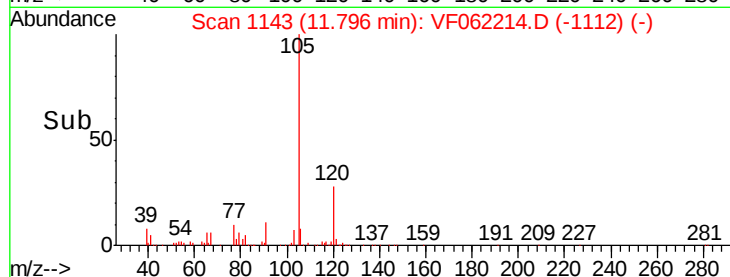
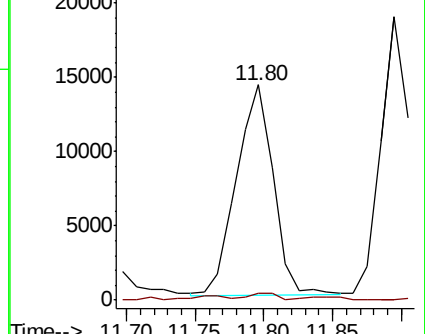
91 100

126 2.9 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 17.214 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062214.D

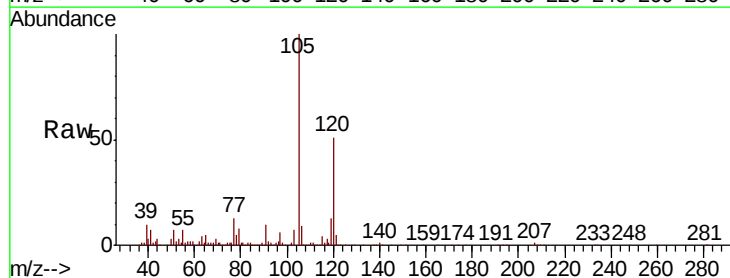
Acq: 18 Apr 2019 19:35

Tgt Ion:105 Resp: 275883

Ion Ratio Lower Upper

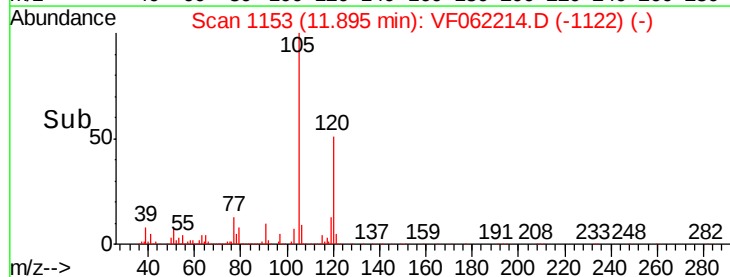
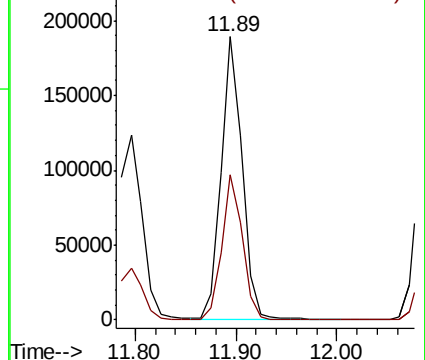
105 100

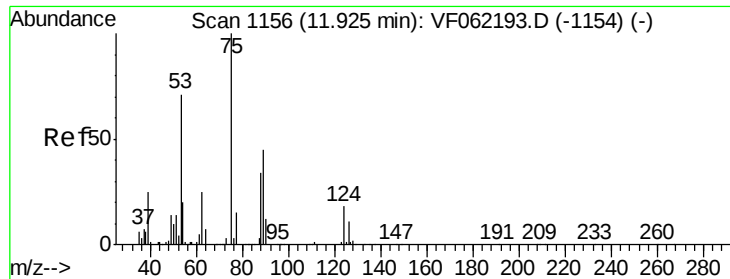
120 50.8 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 3.081 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.03 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

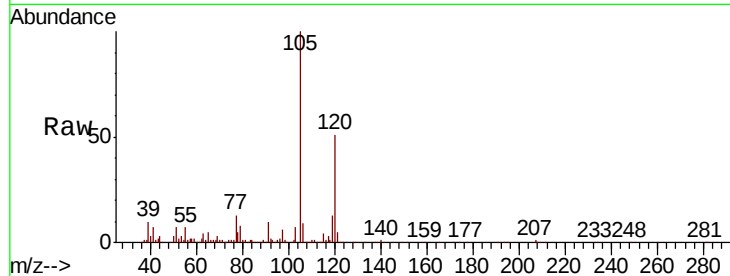
Tot Ion: 75 Resp: 3578

Ion Ratio Lower Upper

75 100

53 207.5 50.2 75.4#

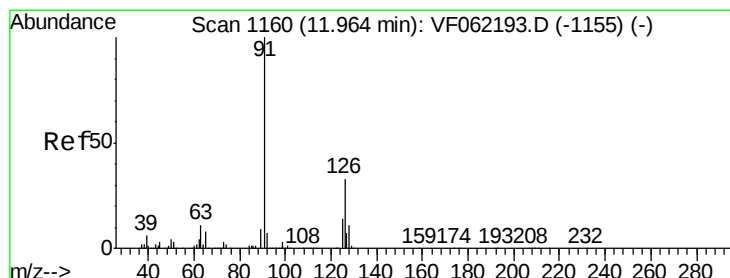
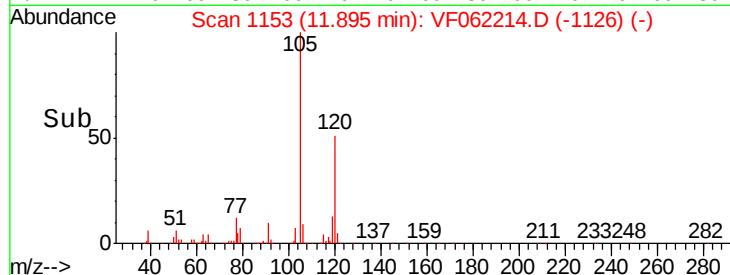
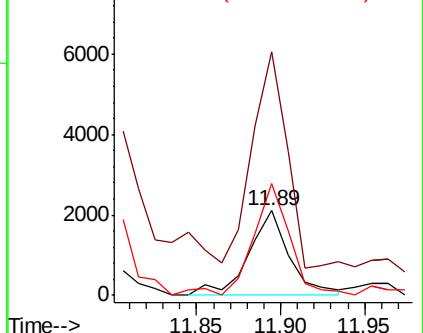
89 116.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 0.285 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.24 min

Lab File: VF062214.D

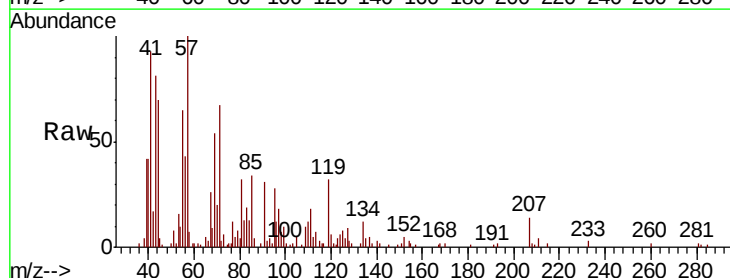
Acq: 18 Apr 2019 19:35

Tgt Ion: 91 Resp: 3396

Ion Ratio Lower Upper

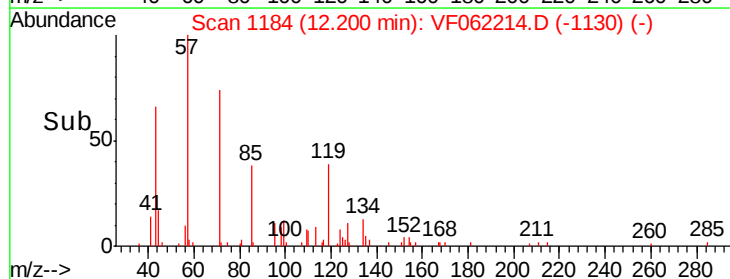
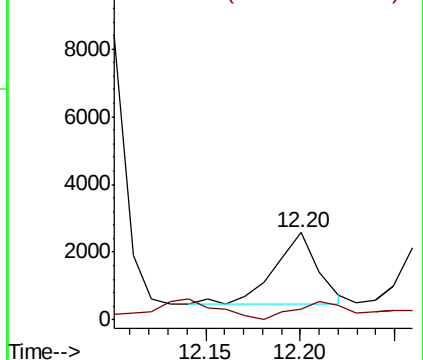
91 100

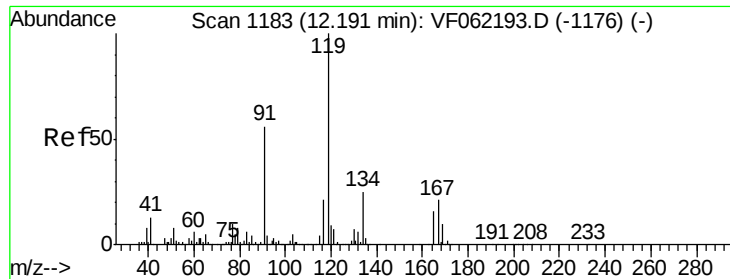
126 26.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

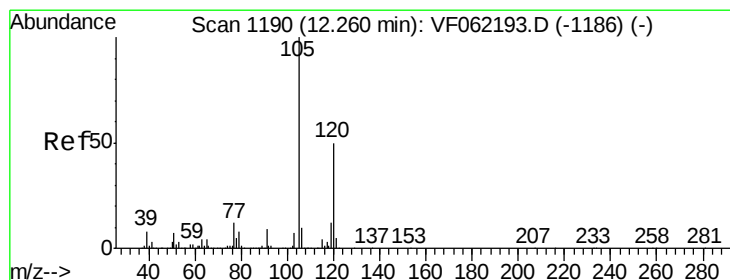
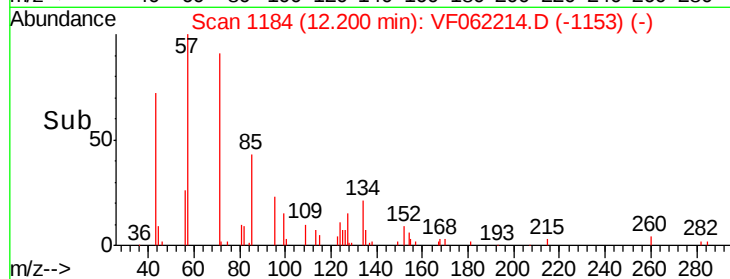
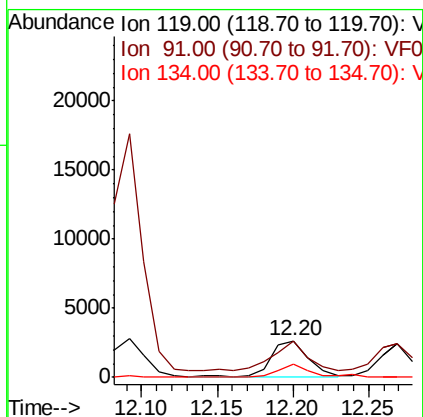
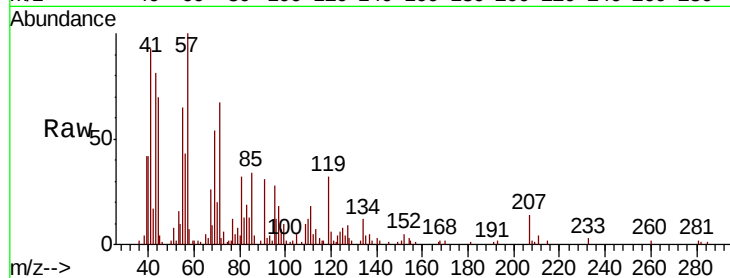




#83
tert-Butylbenzene
Concen: 0.287 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

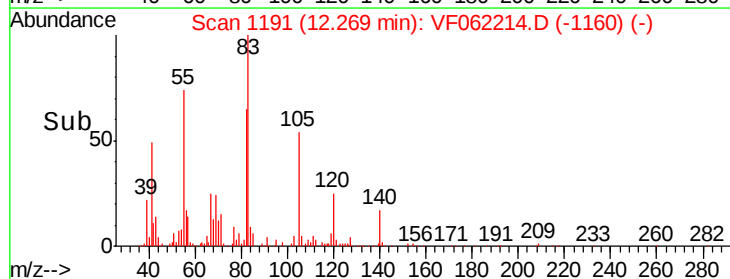
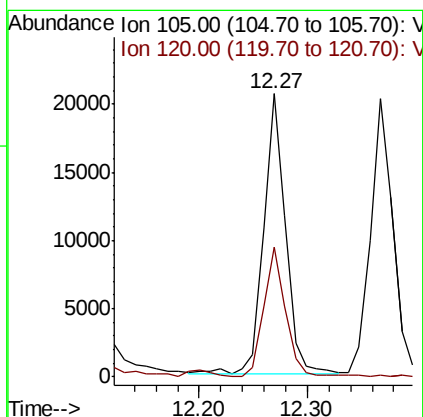
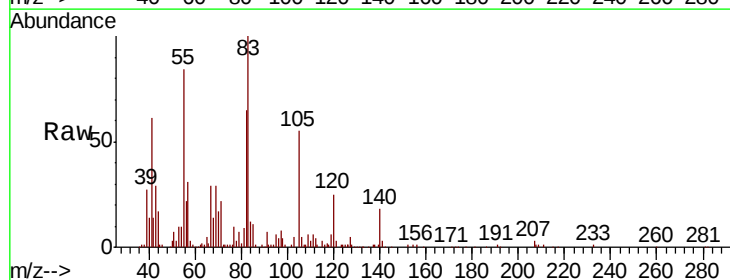
Instrument :
MSVOA_F
ClientSampleId :

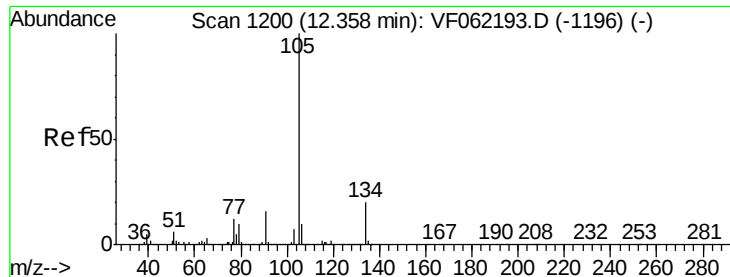
Tot Ion:119 Resp: 4753
Ion Ratio Lower Upper
119 100
91 81.4 29.4 88.2
134 32.3 11.8 35.3



#84
1,2,4-Trimethylbenzene
Concen: 1.857 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VF062214.D
Acq: 18 Apr 2019 19:35

Tgt Ion:105 Resp: 28798
Ion Ratio Lower Upper
105 100
120 47.2 24.0 72.0





#85

sec-Butylbenzene

Concen: 1.347 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

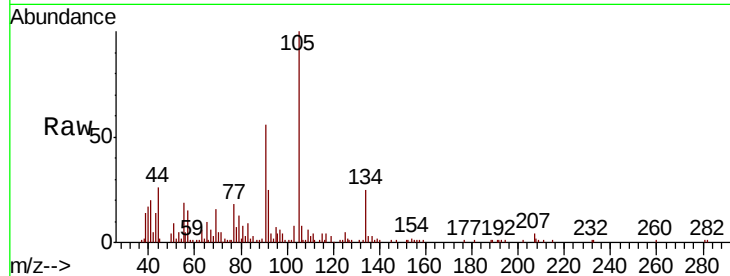
ClientSampleId :

Tot Ion:105 Resp: 28980

Ion Ratio Lower Upper

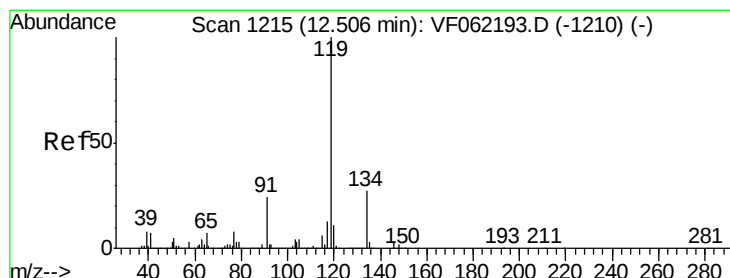
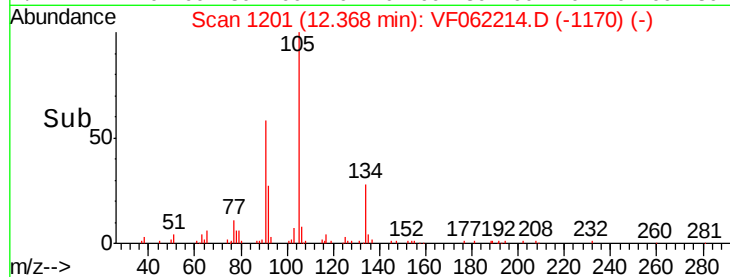
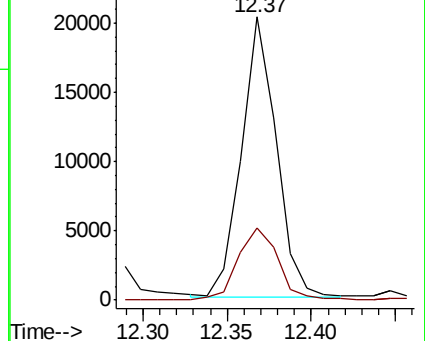
105 100

134 29.7 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.817 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

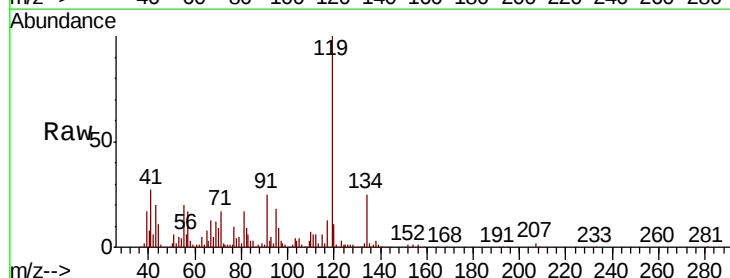
Tgt Ion:119 Resp: 124417

Ion Ratio Lower Upper

119 100

134 25.4 13.2 39.5

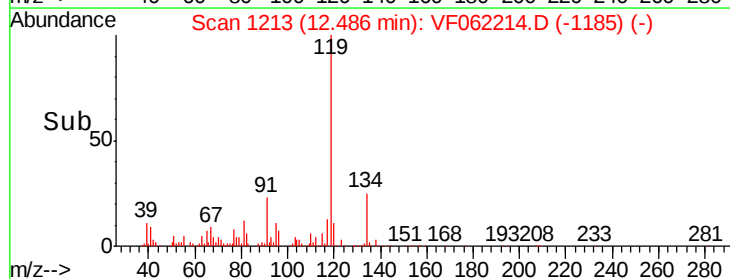
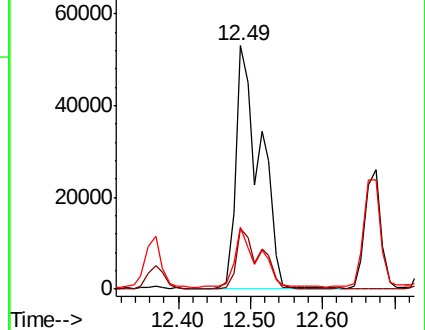
91 23.4 11.7 35.1

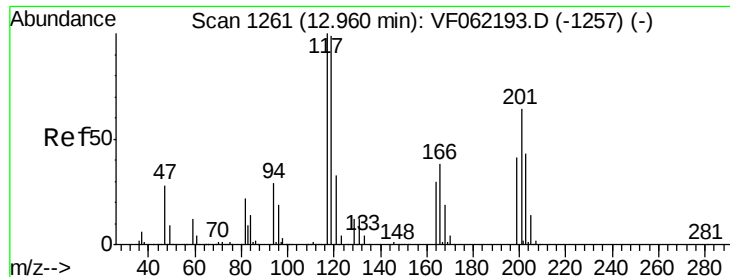


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 4.734 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.08 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

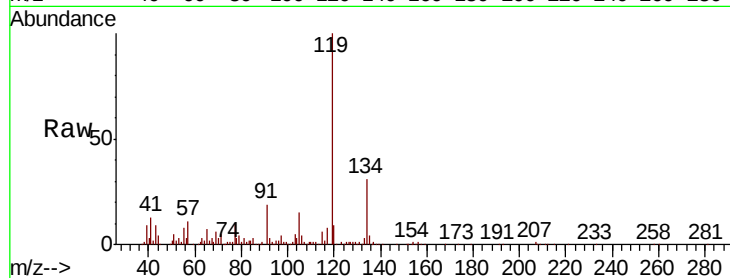
ClientSampleId :

Tot Ion:117 Resp: 22186

Ion Ratio Lower Upper

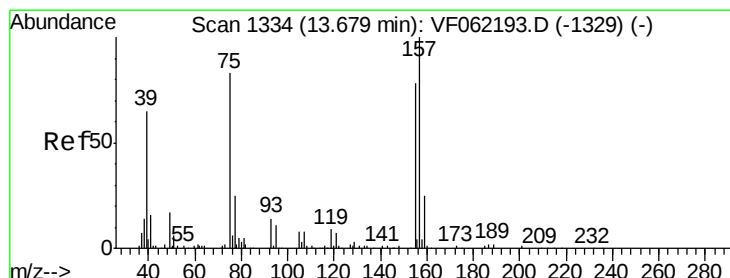
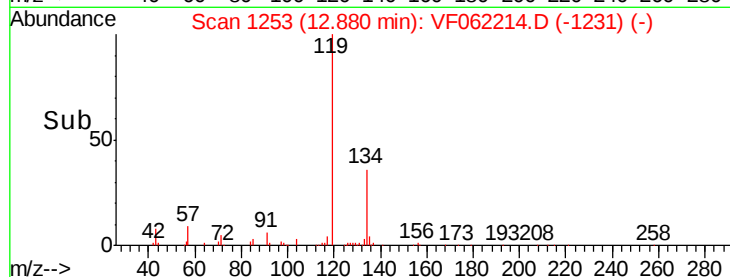
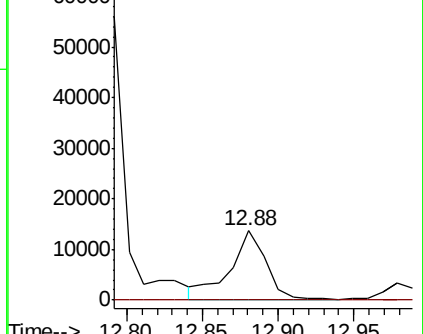
117 100

201 0.0 37.7 113.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.110 ug/l

RT: 13.66 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

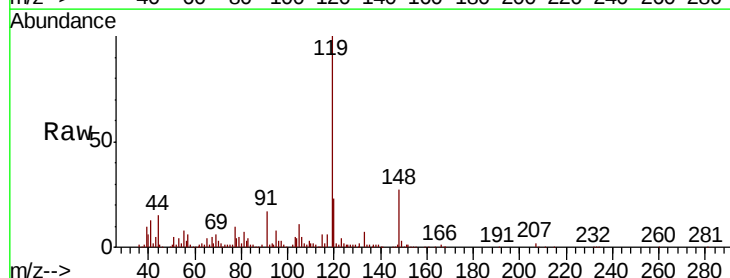
Tgt Ion: 75 Resp: 722

Ion Ratio Lower Upper

75 100

155 26.9 47.6 142.8#

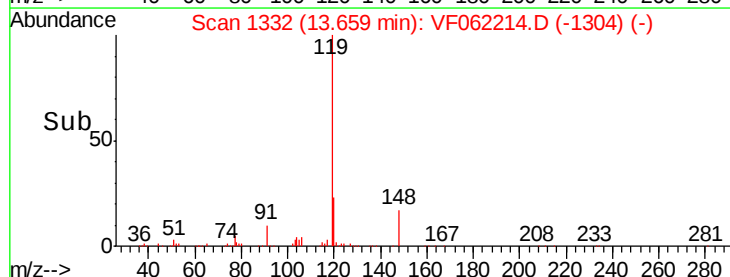
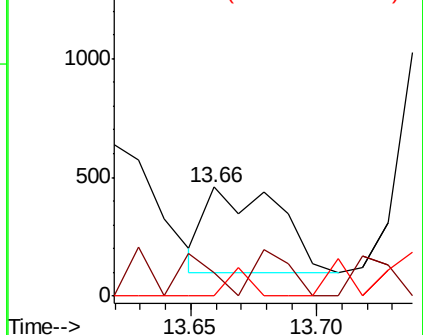
157 10.0 61.3 183.9#

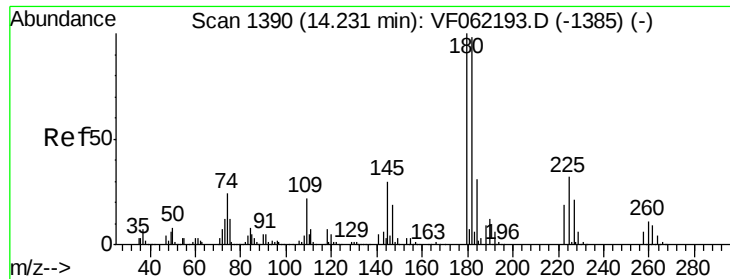


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

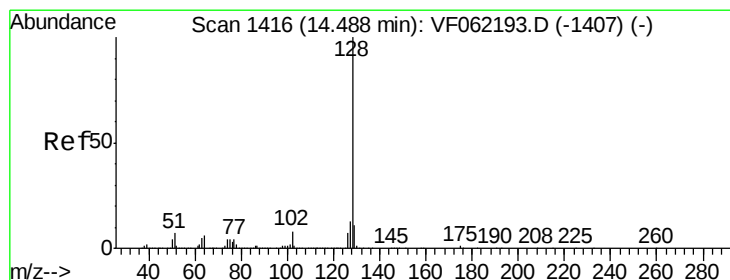
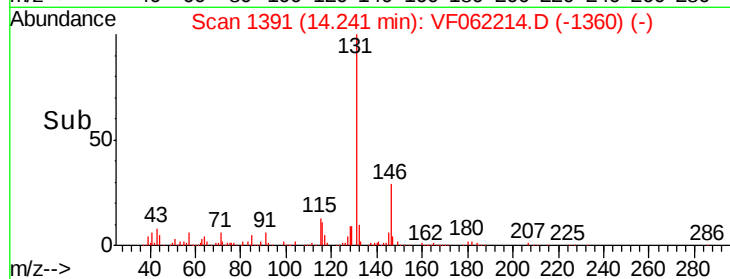
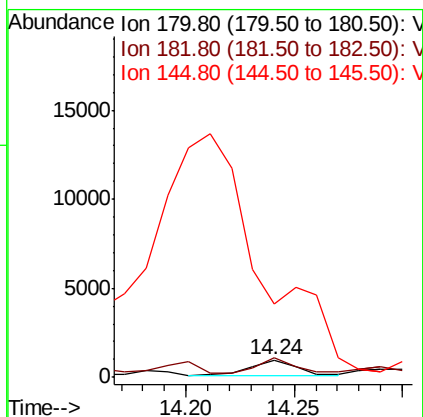
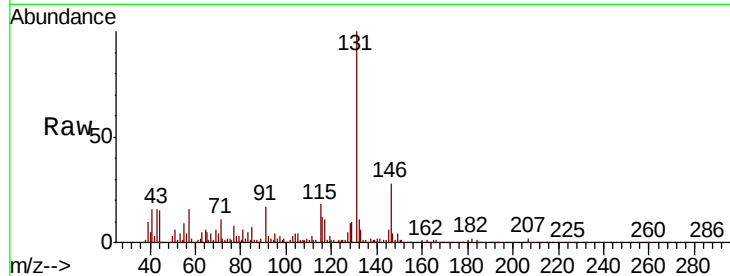




#93
 1,2,4-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062214.D
 Acq: 18 Apr 2019 19:35

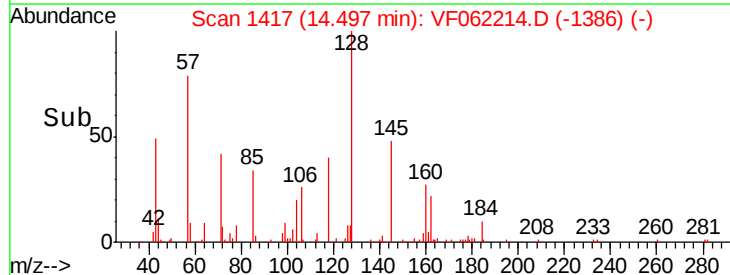
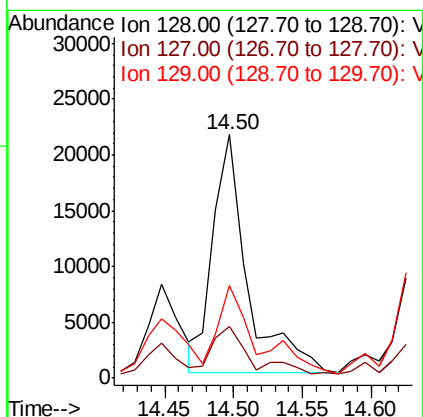
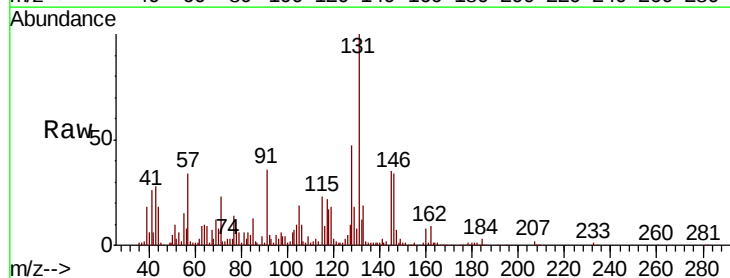
Instrument :
 MSVOA_F
 ClientSampleId :

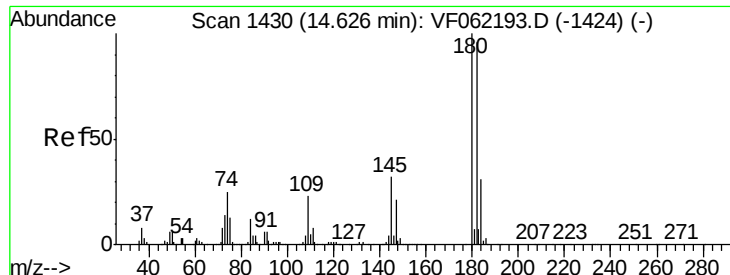
Tot Ion	Ratio	Lower	Upper
180	100		
182	78.6	49.3	147.9
145	0.0	18.1	54.4#



#95
 Naphthalene
 Concen: 3.430 ug/l
 RT: 14.50 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VF062214.D
 Acq: 18 Apr 2019 19:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	21.8	10.4	15.6#
129	42.0	9.2	13.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.230 ug/l

RT: 14.64 min Scan# 1432

Delta R.T. 0.02 min

Lab File: VF062214.D

Acq: 18 Apr 2019 19:35

Instrument :

MSVOA_F

ClientSampleId :

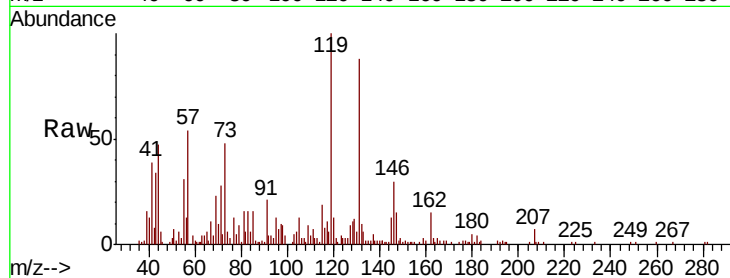
Tot Ion:180 Resp: 1365

Ion Ratio Lower Upper

180 100

182 90.7 48.4 145.3

145 745.7 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

