

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062761.D
 Acq On : 28 May 2019 15:34
 Operator : FY/SY
 Sample : K2433-02
 Misc : 4.98g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-04-002-ABCD

Quant Time: May 29 01:47:32 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	13508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	16541	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	7913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.68	152	141	50.00	ug/l	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	2072	21.71	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	43.42%	
35) Dibromofluoromethane	4.33	113	4170	32.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	65.90%	
50) Toluene-d8	7.73	98	13070	43.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.50%	
62) 4-Bromofluorobenzene	11.52	95	1753	15.29	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	30.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.85	85	250	1.360	ug/l	80
3) Chloromethane	1.11	50	1206	7.125	ug/l #	88
4) Vinyl Chloride	1.05	62	280	1.797	ug/l	97
5) Bromomethane	1.40	94	370	4.341	ug/l	94
6) Chloroethane	1.44	64	325	5.680	ug/l #	1
8) Diethyl Ether	1.78	74	309	7.456	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.87	101	368	2.763	ug/l #	62
11) Tert butyl alcohol	2.71	59	239	37.925	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	1144	9.428	ug/l #	18
13) Acrolein	2.13	56	1008	153.230	ug/l #	1
14) Allyl chloride	2.19	41	387	3.524	ug/l #	46
15) Acrylonitrile	3.07	53	551	30.996	ug/l #	85
16) Acetone	2.34	43	2104	84.962	ug/l	95
17) Carbon Disulfide	1.95	76	458	1.273	ug/l #	1
18) Methyl Acetate	2.50	43	747	19.196	ug/l #	71
19) Methyl tert-butyl Ether	2.53	73	1241	5.721	ug/l #	9
20) Methylene Chloride	2.37	84	180	1.450	ug/l #	58
21) trans-1,2-Dichloroethene	2.45	96	576	4.856	ug/l #	1
22) Diisopropyl ether	2.92	45	559	2.064	ug/l #	50
23) Vinyl Acetate	3.36	43	340	1.861	ug/l #	73
25) 2-Butanone	4.62	43	832	15.725	ug/l	91
26) 2,2-Dichloropropane	3.82	77	817	7.186	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	473	2.424	ug/l	1
28) Bromochloromethane	3.93	49	267	2.396	ug/l #	3
29) Tetrahydrofuran	4.27	42	448	20.925	ug/l #	35
30) Chloroform	4.11	83	354	1.283	ug/l #	16
31) Cyclohexane	3.88	56	777	2.912	ug/l #	41
32) 1,1,1-Trichloroethane	4.29	97	716	3.908	ug/l #	23
36) 1,1-Dichloropropene	4.47	75	287	1.693	ug/l #	1
37) Ethyl Acetate	4.36	43	583	8.424	ug/l #	72
38) Carbon Tetrachloride	4.21	117	748	5.868	ug/l #	12
39) Methylcyclohexane	5.65	83	374	1.834	ug/l #	1
40) Benzene	4.84	78	1633	3.537	ug/l #	36
41) Methacrylonitrile	4.93	41	251	6.918	ug/l #	76

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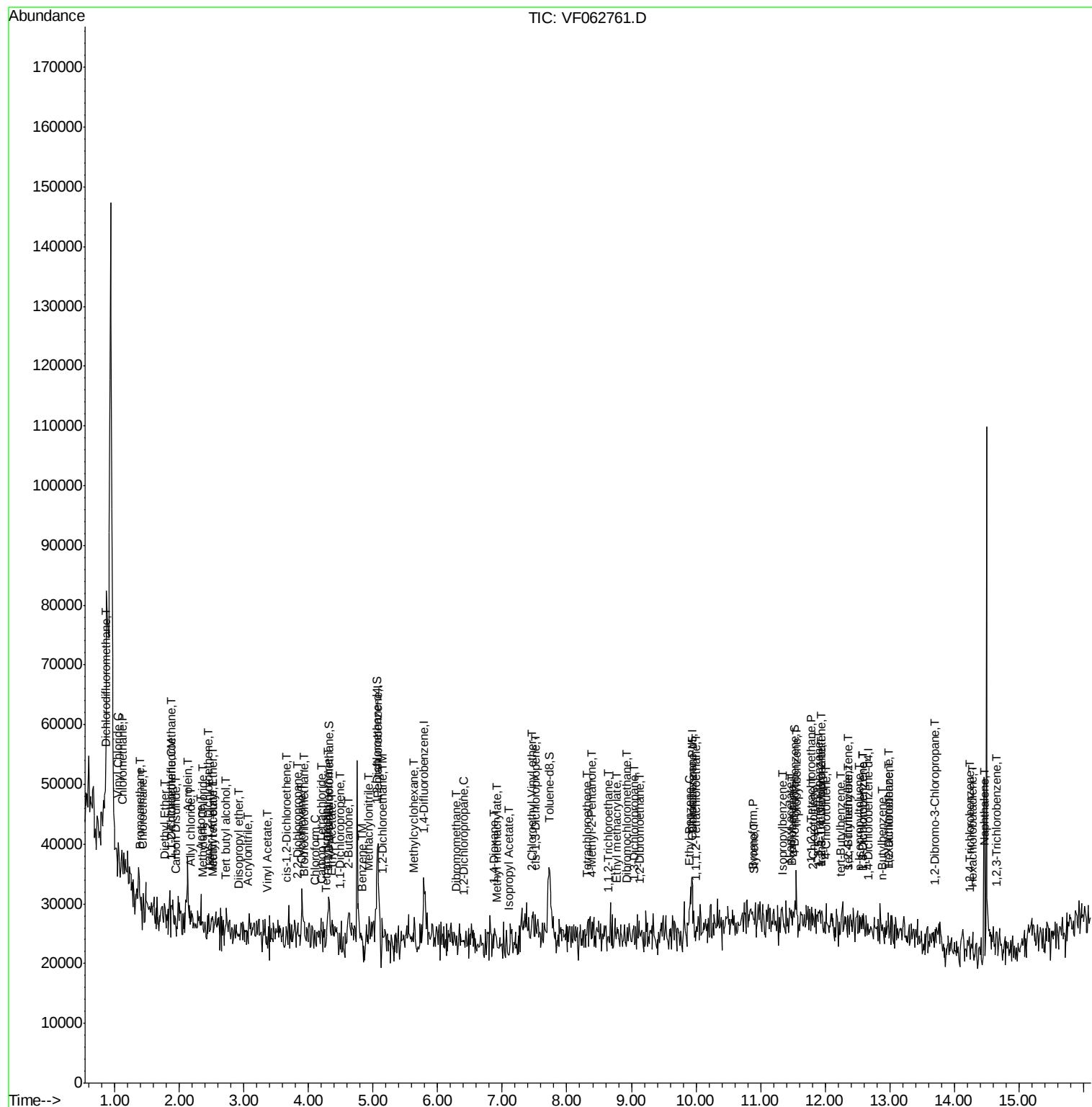
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.15	62	395	4.290	uq/l	71
43) Isopropyl Acetate	7.10	43	693	7.729	uq/l #	43
45) 1,2-Dichloropropane	6.42	63	150	1.287	uq/l #	1
46) Dibromomethane	6.29	93	90	1.336	uq/l #	13
48) Methyl methacrylate	6.93	41	687	14.660	uq/l #	49
49) 1,4-Dioxane	6.89	88	127	211.593	uq/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	1682	27.446	uq/l #	32
54) cis-1,3-Dichloropropene	7.50	75	707	4.414	uq/l #	76
55) 1,1,2-Trichloroethane	8.65	97	117	1.632	uq/l #	13
56) Ethyl methacrylate	8.76	69	250	2.927	uq/l #	1
57) 1,3-Dichloropropane	9.03	76	235	1.924	uq/l	89
58) 2-Chloroethyl Vinyl ether	7.45	63	724	26.038	uq/l	93
60) Dibromochloromethane	8.93	129	418	4.473	uq/l	78
61) 1,2-Dibromoethane	9.14	107	189	2.482	uq/l #	3
64) Tetrachloroethene	8.31	164	195	3.111	uq/l #	69
65) Chlorobenzene	9.96	112	415	2.670	uq/l #	41
66) 1,1,1,2-Tetrachloroethane	9.99	131	232	3.718	uq/l	96
67) Ethyl Benzene	9.89	91	369	1.367	uq/l	91
70) Styrene	10.90	104	193	1.215	uq/l #	70
71) Bromoform	10.89	173	83	2.656	uq/l #	1
73) Isopropylbenzene	11.36	105	344	34.040	uq/l	80
74) N-amyl acetate	11.44	43	1001	430.354	uq/l #	54
75) 1,1,2,2-Tetrachloroethane	11.79	83	225	108.946	uq/l #	84
76) 1,2,3-Trichloropropane	11.94	75	1278	941.789	uq/l	71
77) Bromobenzene	11.48	156	73	29.061	uq/l	54
78) n-propylbenzene	11.56	91	468	39.131	uq/l	91
79) 2-Chlorotoluene	11.82	91	645	95.696	uq/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	302	37.269	uq/l	86
81) trans-1,4-Dichloro-2-buten	11.94	75	1278	2118.730	uq/l #	26
82) 4-Chlorotoluene	12.01	91	711	106.971	uq/l #	55
83) tert-Butylbenzene	12.23	119	238	28.950	uq/l #	32
84) 1,2,4-Trimethylbenzene	12.36	105	340	43.352	uq/l	98
85) sec-Butylbenzene	12.36	105	340	30.817	uq/l #	54
86) p-Isopropyltoluene	12.53	119	154	16.563	uq/l #	42
87) 1,3-Dichlorobenzene	12.57	146	122	26.845	uq/l #	1
88) 1,4-Dichlorobenzene	12.57	146	122	28.606	uq/l #	1
89) n-Butylbenzene	12.89	91	138	15.053	uq/l #	25
90) Hexachloroethane	12.97	117	293	131.362	uq/l #	20
91) 1,2-Dichlorobenzene	12.97	146	60	14.811	uq/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.70	75	110	446.474	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.22	180	261	90.008	uq/l #	72
94) Hexachlorobutadiene	14.28	225	73	36.073	uq/l #	16
95) Naphthalene	14.48	128	218	41.382	uq/l #	1
96) 1,2,3-Trichlorobenzene	14.65	180	89	32.403	uq/l #	1

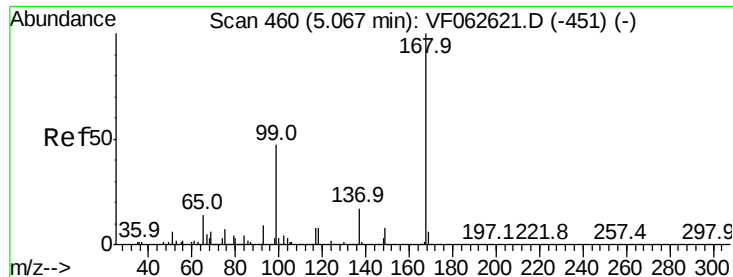
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

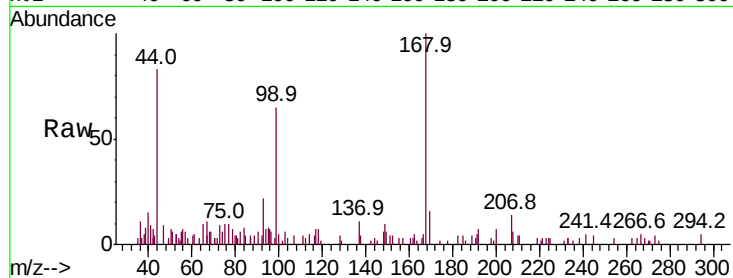
FK-BPM-04-002-ABCD

Tot Ion:168 Resp: 13508

Ion Ratio Lower Upper

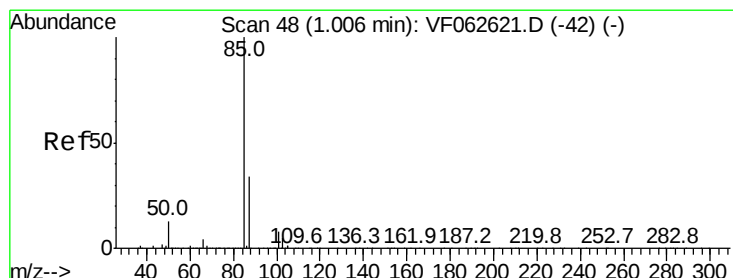
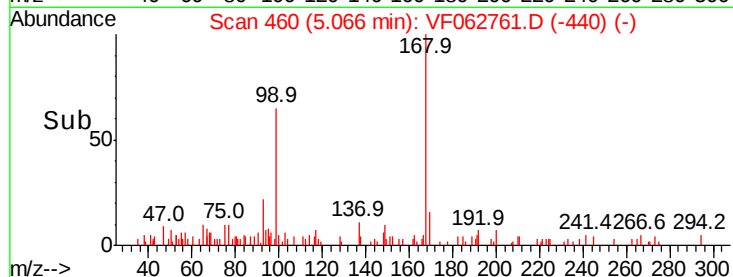
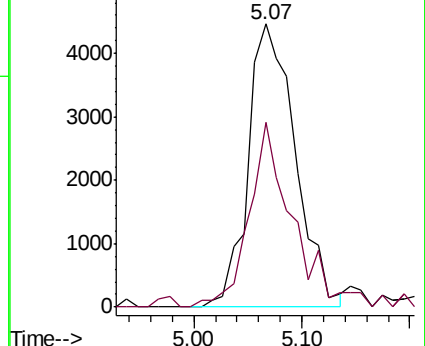
168 100

99 65.4 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.360 ug/l

RT: 0.85 min Scan# 32

Delta R.T. -0.16 min

Lab File: VF062761.D

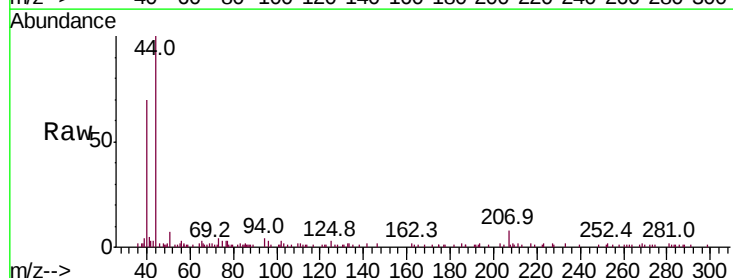
Acq: 28 May 2019 15:34

Tgt Ion: 85 Resp: 250

Ion Ratio Lower Upper

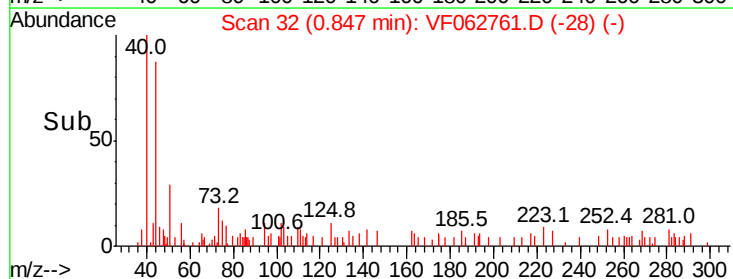
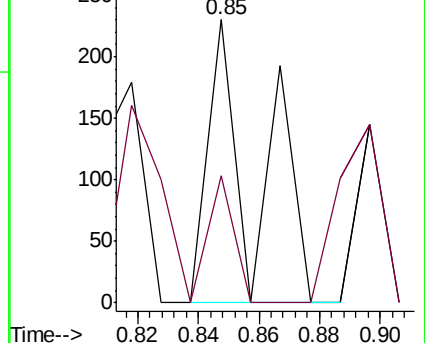
85 100

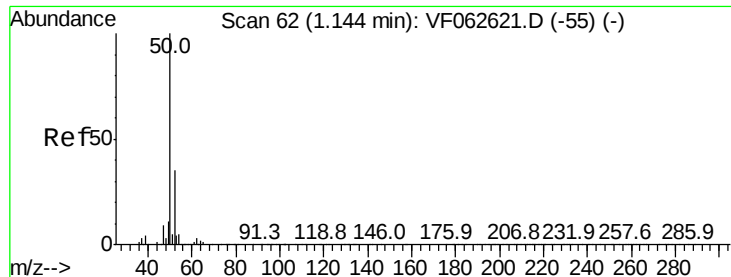
87 44.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 7.125 ug/l

RT: 1.11 min Scan# 59

Delta R.T. -0.03 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

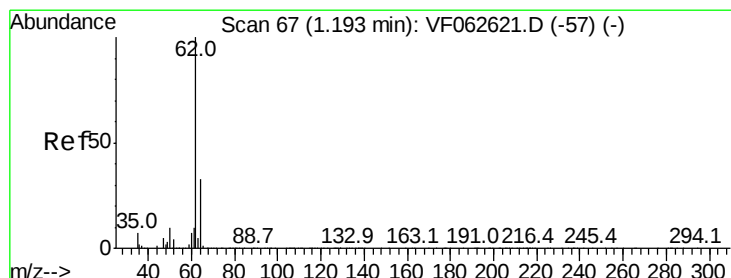
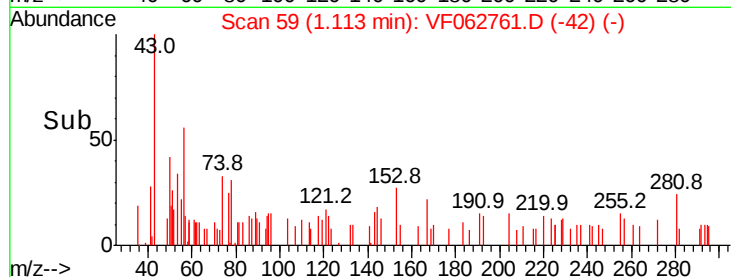
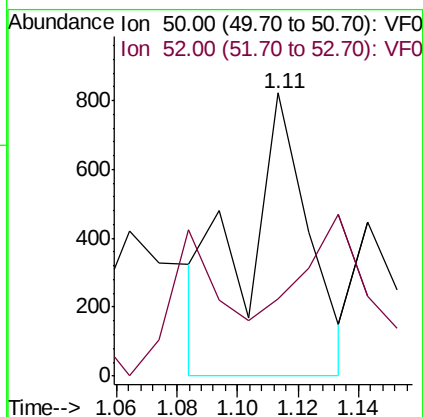
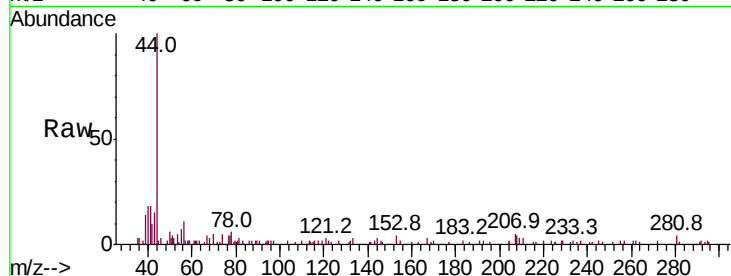
FK-BPM-04-002-ABCD

Tot Ion: 50 Resp: 1206

Ion Ratio Lower Upper

50 100

52 27.5 27.5 41.3#



#4

Vinyl Chloride

Concen: 1.797 ug/l

RT: 1.05 min Scan# 53

Delta R.T. -0.14 min

Lab File: VF062761.D

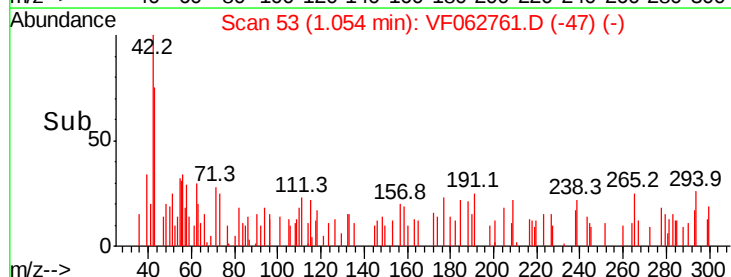
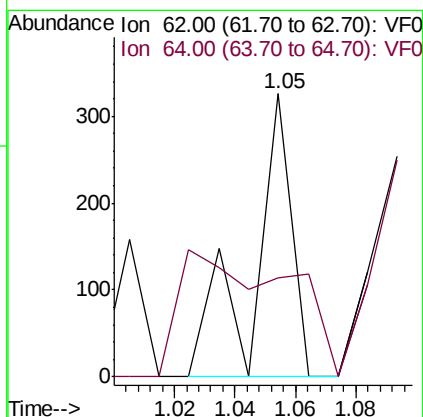
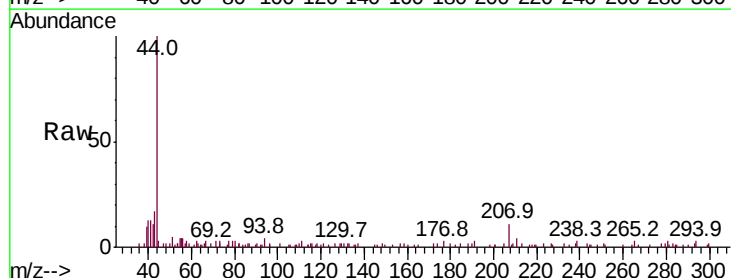
Acq: 28 May 2019 15:34

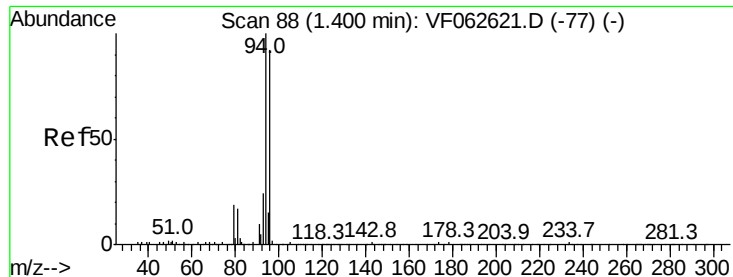
Tgt Ion: 62 Resp: 280

Ion Ratio Lower Upper

62 100

64 35.0 26.7 40.1





#5

Bromomethane

Concen: 4.341 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

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ClientSampleId :

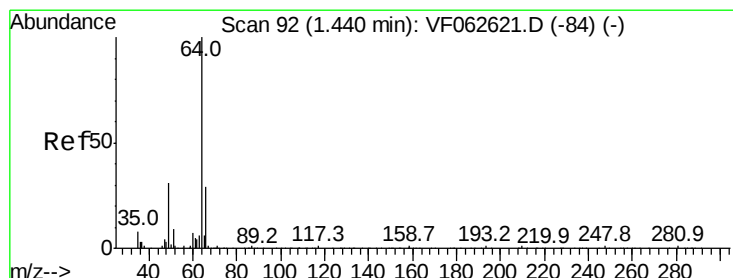
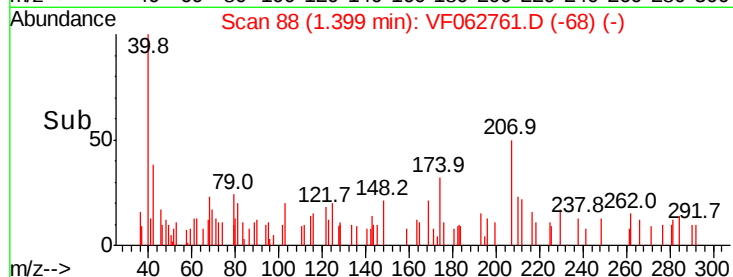
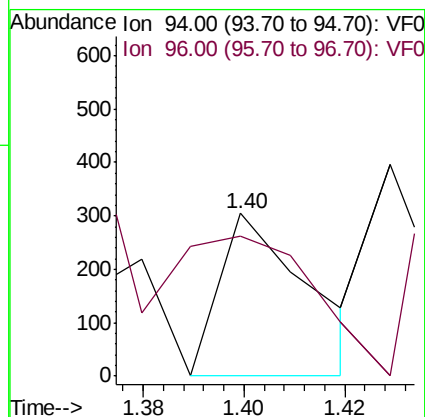
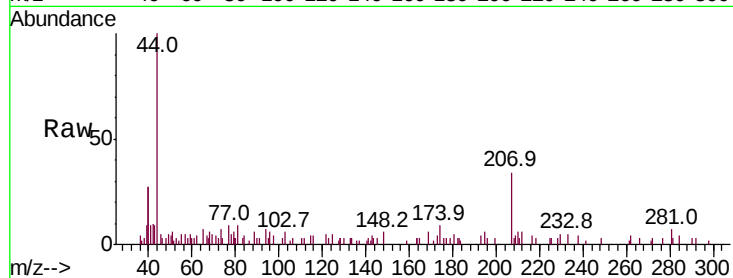
FK-BPM-04-002-ABCD

Tot Ion: 94 Resp: 370

Ion Ratio Lower Upper

94 100

96 85.9 73.2 109.8



#6

Chloroethane

Concen: 5.680 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062761.D

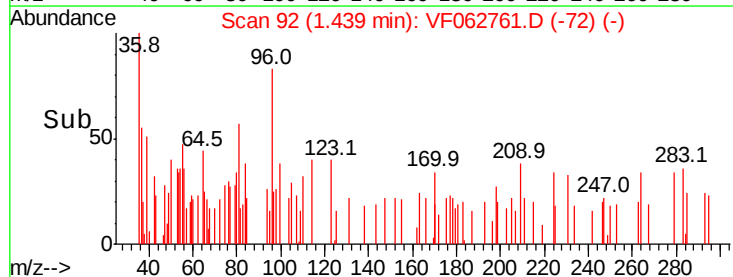
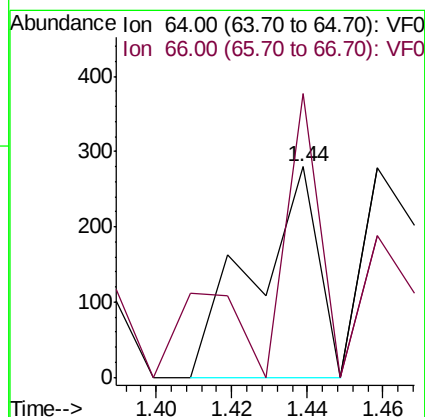
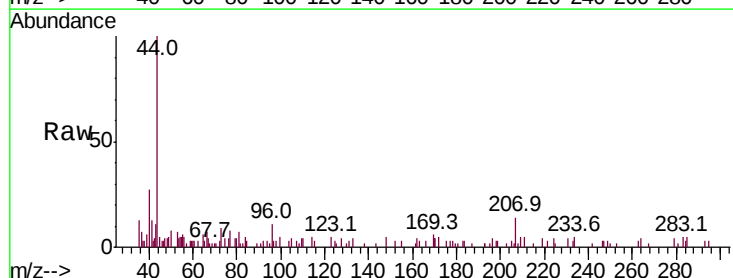
Acq: 28 May 2019 15:34

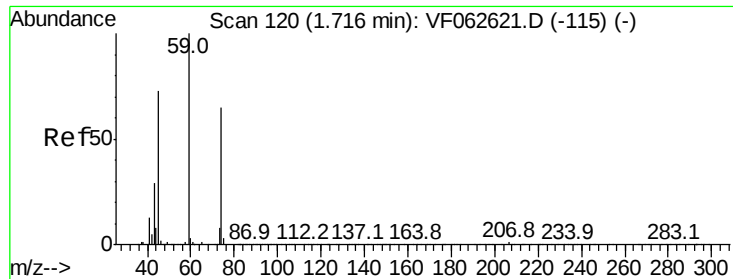
Tgt Ion: 64 Resp: 325

Ion Ratio Lower Upper

64 100

66 134.6 23.4 35.2#





#8

Diethyl Ether

Concen: 7.456 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.07 min

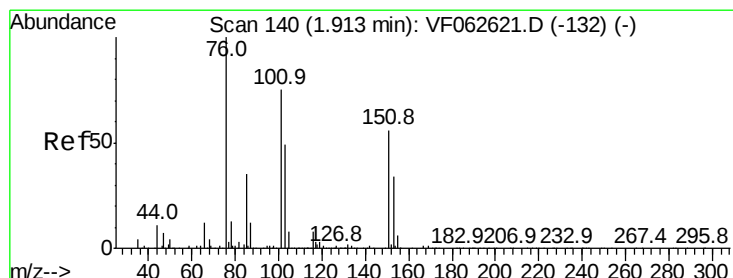
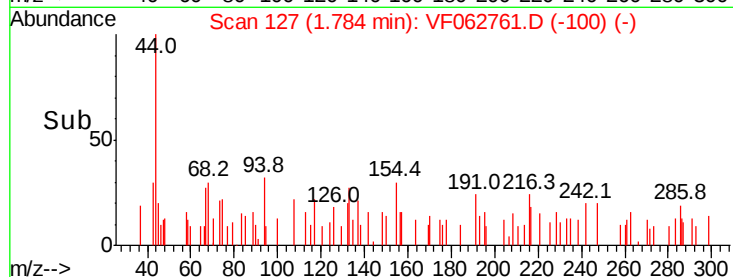
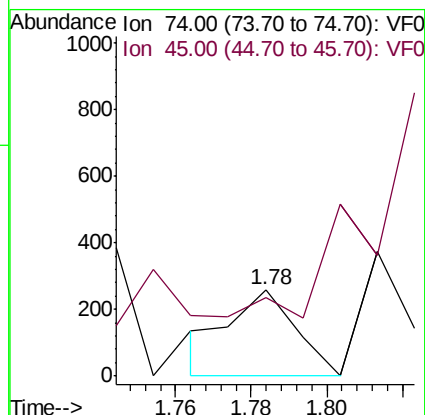
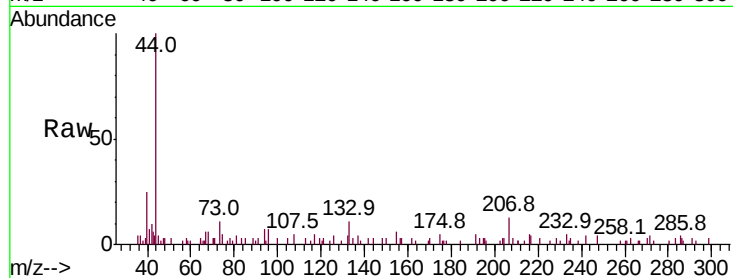
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Tot Ion: 74 Resp: 309

Ion	Ratio	Lower	Upper
74	100		
45	91.2	57.0	170.8



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.763 ug/l

RT: 1.87 min Scan# 136

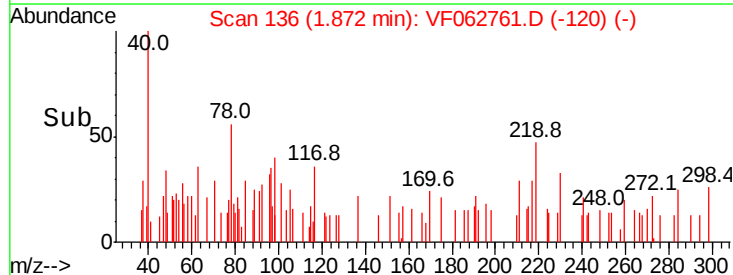
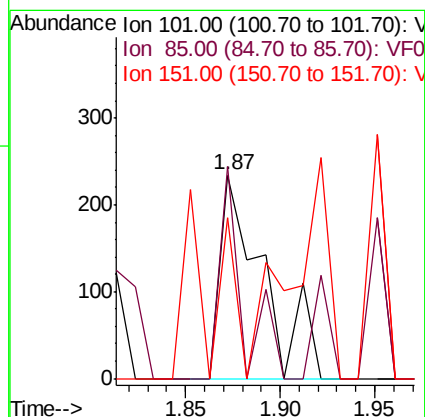
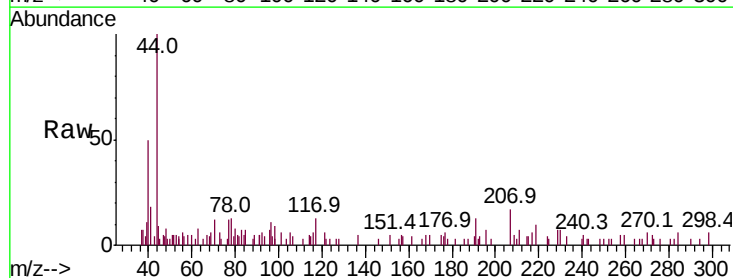
Delta R.T. -0.04 min

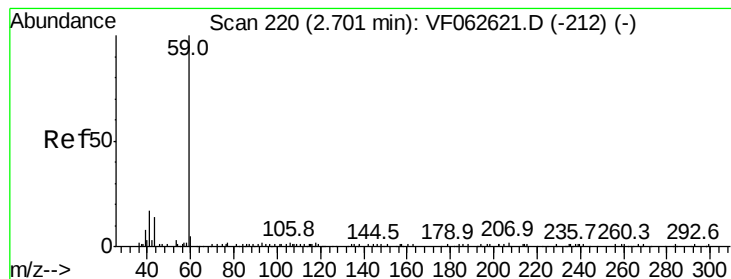
Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion: 101 Resp: 368

Ion	Ratio	Lower	Upper
101	100		
85	104.3	37.1	55.7#
151	79.1	58.8	88.2



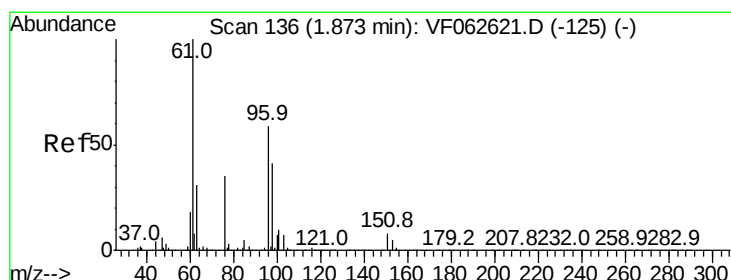
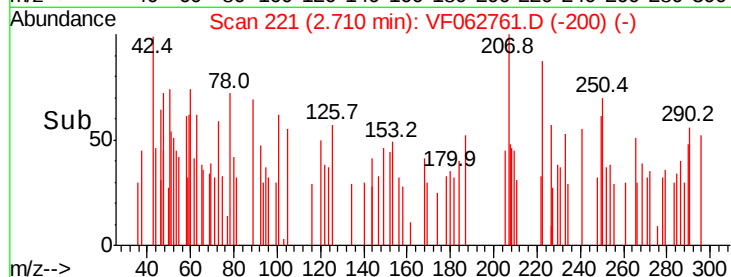
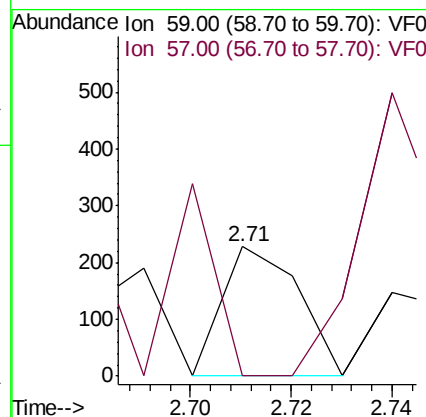
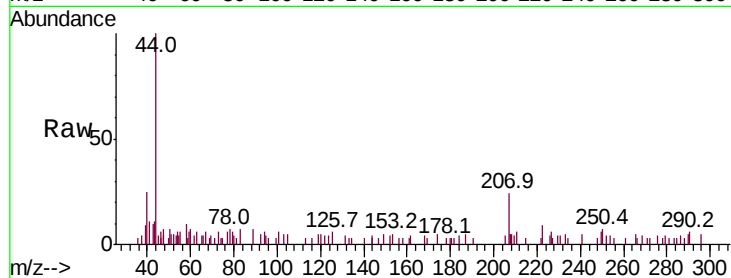


#11

Tert butyl alcohol
 Concen: 37.925 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.01 min
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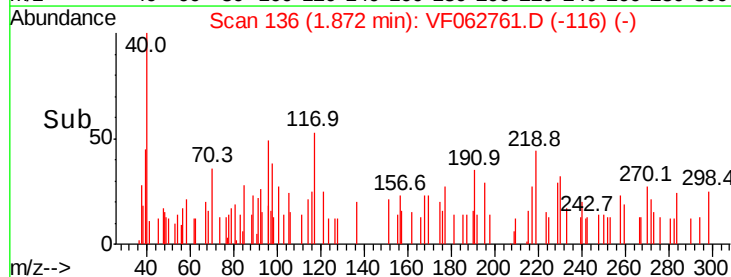
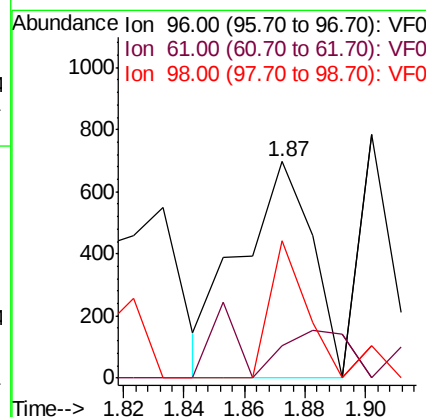
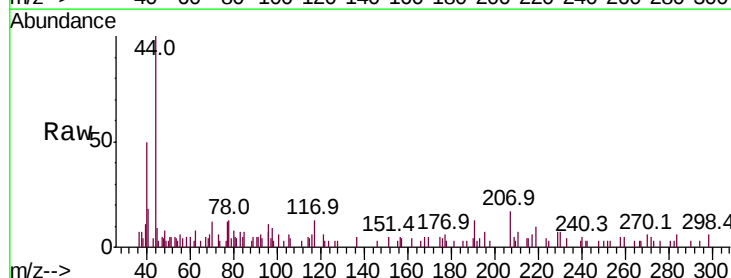
Tot Ion: 59 Resp: 239
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

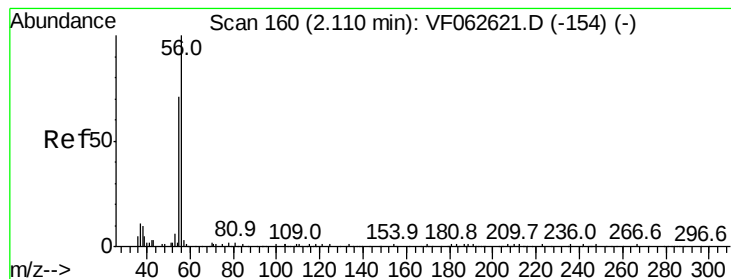


#12

1,1-Dichloroethene
 Concen: 9.428 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

Tgt Ion: 96 Resp: 1144
 Ion Ratio Lower Upper
 96 100
 61 15.2 134.3 201.5#
 98 63.4 55.0 82.6





#13

Acrolein

Concen: 153.230 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

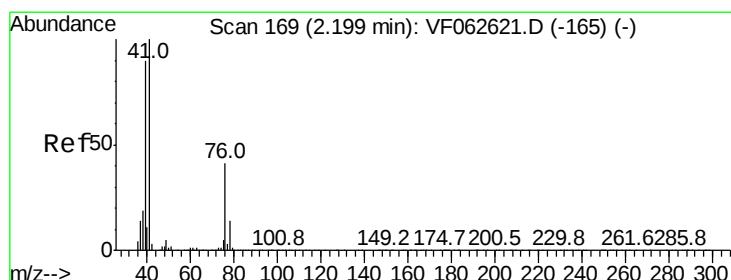
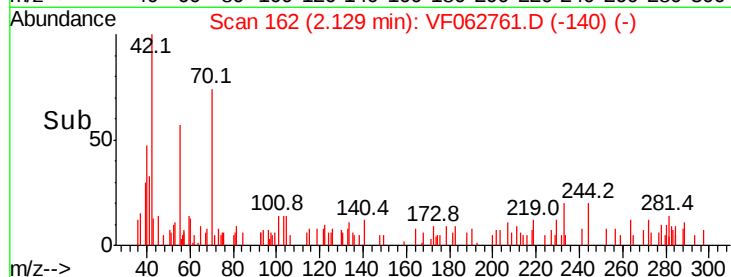
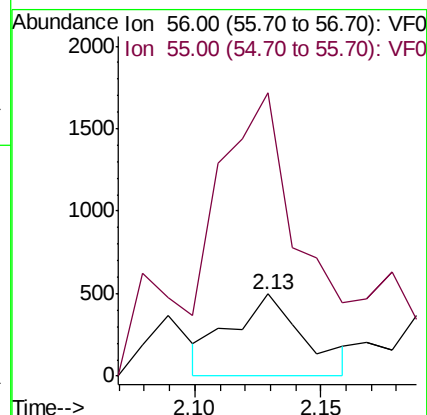
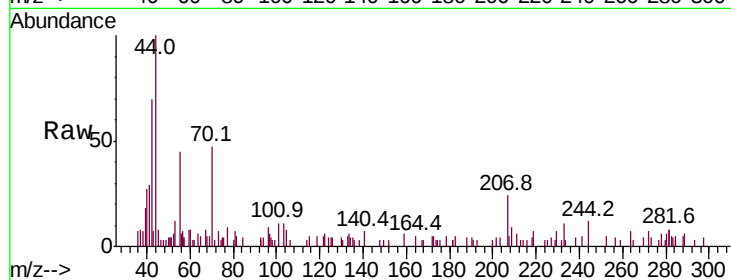
FK-BPM-04-002-ABCD

Tot Ion: 56 Resp: 1008

Ion Ratio Lower Upper

56 100

55 344.4 59.4 89.0#



#14

Allyl chloride

Concen: 3.524 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

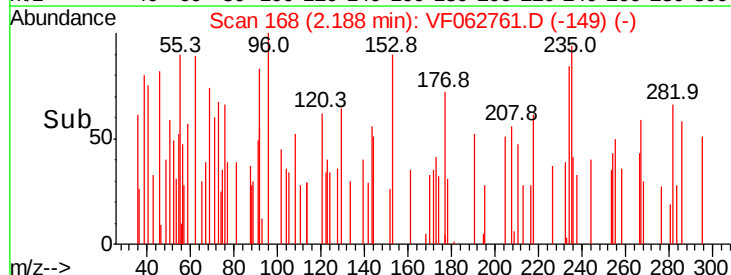
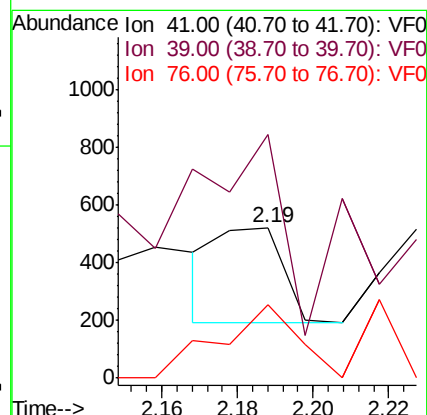
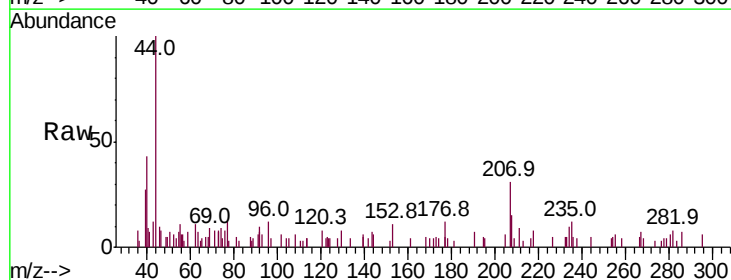
Tgt Ion: 41 Resp: 387

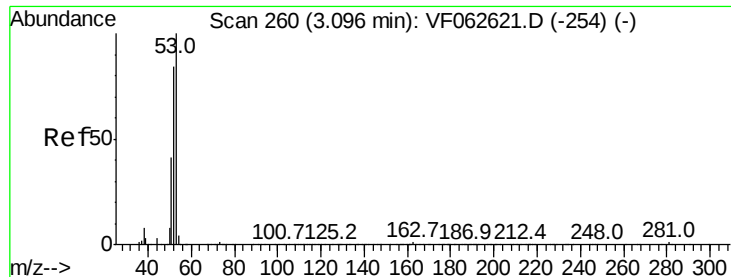
Ion Ratio Lower Upper

41 100

39 161.9 72.0 108.0#

76 49.0 34.8 52.2





#15

Acrylonitrile

Concen: 30.996 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

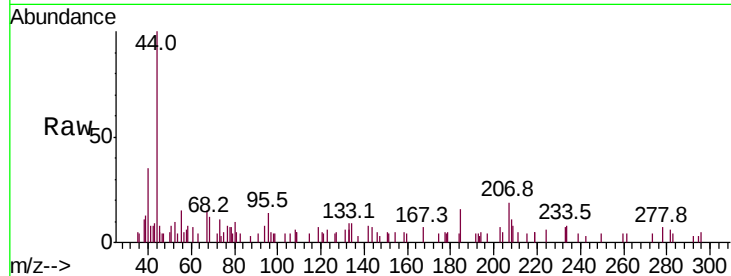
Tot Ion: 53 Resp: 551

Ion Ratio Lower Upper

53 100

52 72.7 67.3 100.9

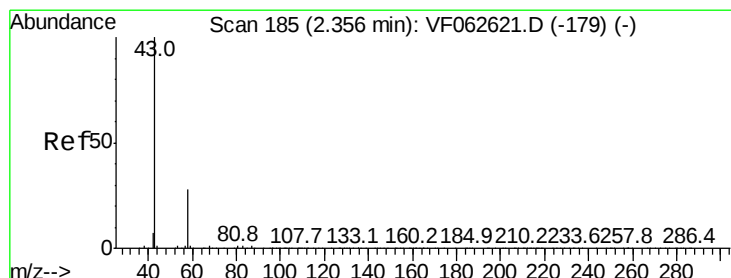
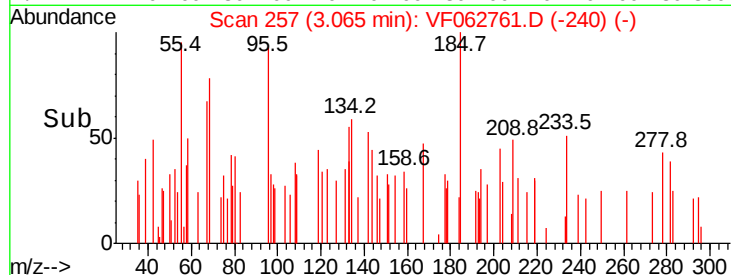
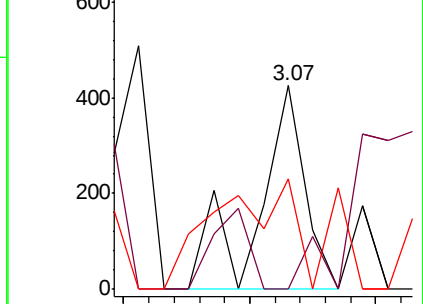
51 54.1 33.0 49.6#



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: 84.962 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062761.D

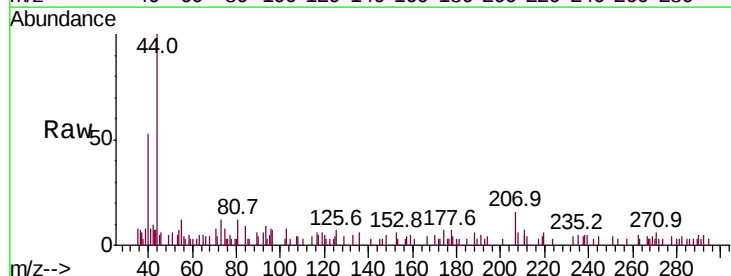
Acq: 28 May 2019 15:34

Tgt Ion: 43 Resp: 2104

Ion Ratio Lower Upper

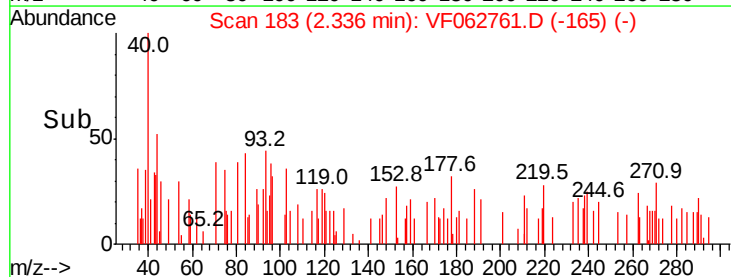
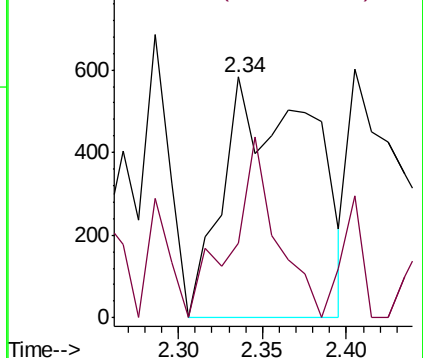
43 100

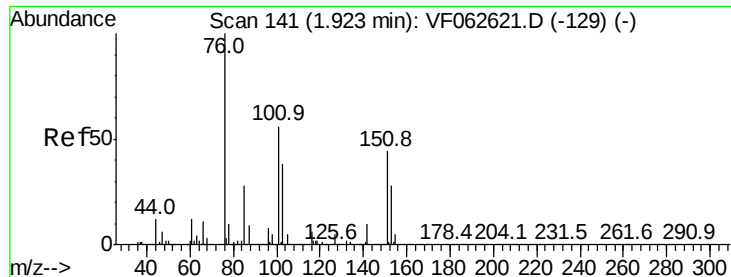
58 31.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

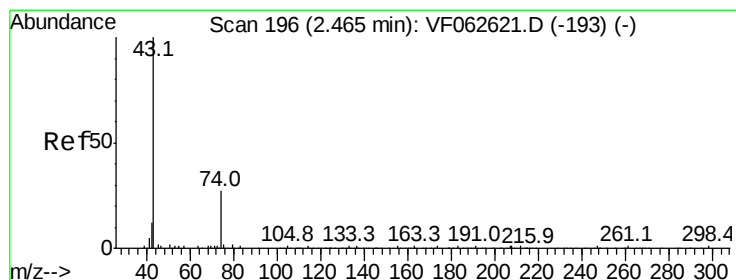
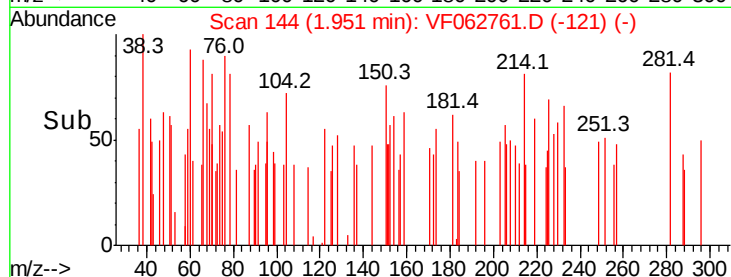
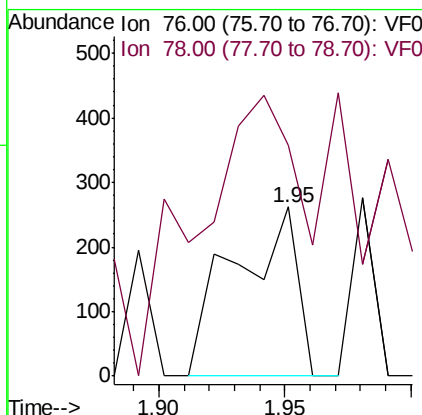
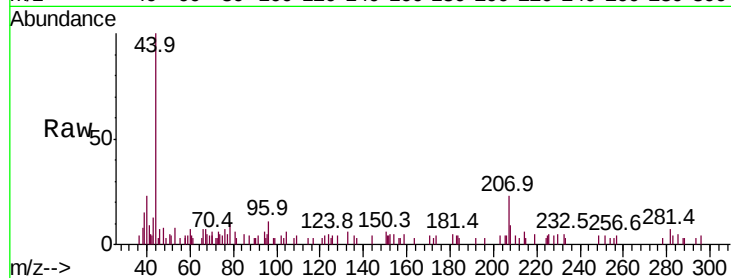




#17
Carbon Disulfide
Concen: 1.273 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.03 min
Lab File: VF062761.D
Acq: 28 May 2019 15:34

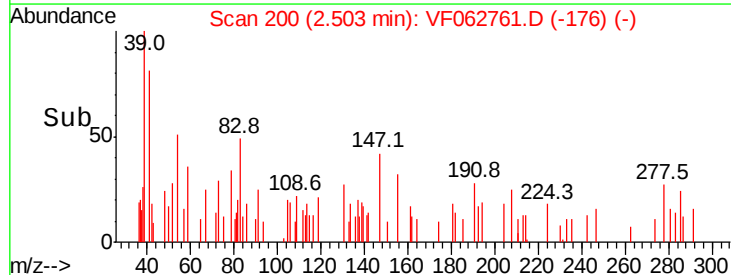
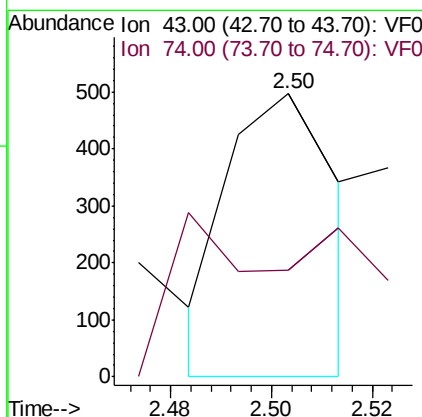
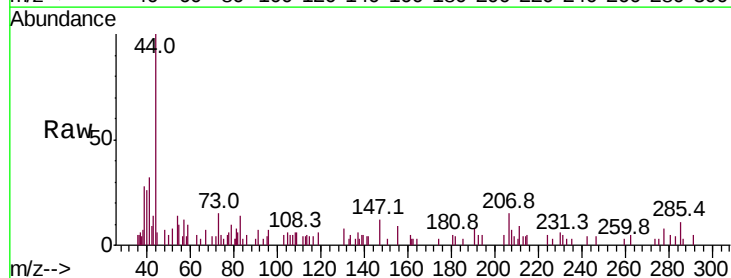
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-04-002-ABCD

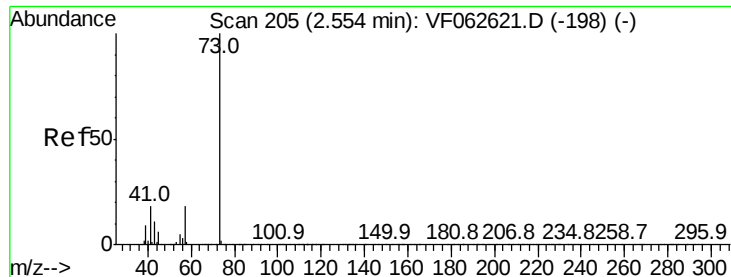
Tot Ion: 76 Resp: 458
Ion Ratio Lower Upper
76 100
78 136.3 8.4 12.6#



#18
Methyl Acetate
Concen: 19.196 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062761.D
Acq: 28 May 2019 15:34

Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
74 37.6 18.9 28.3#



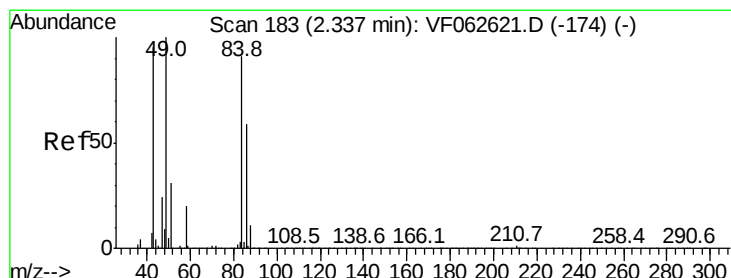
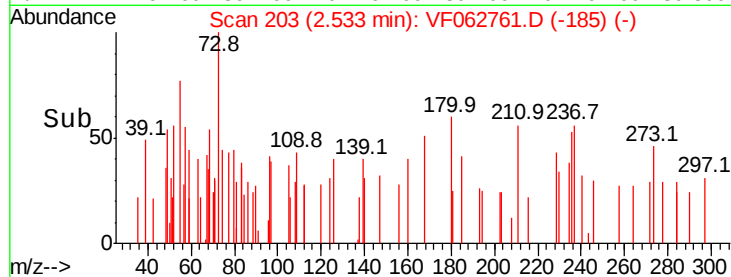
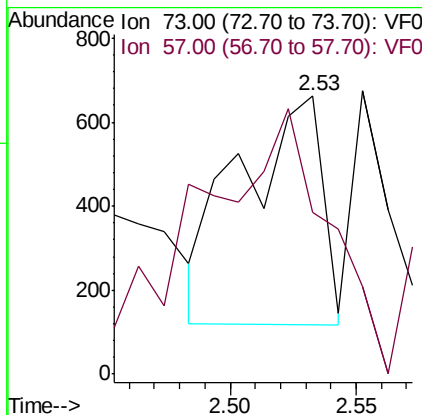
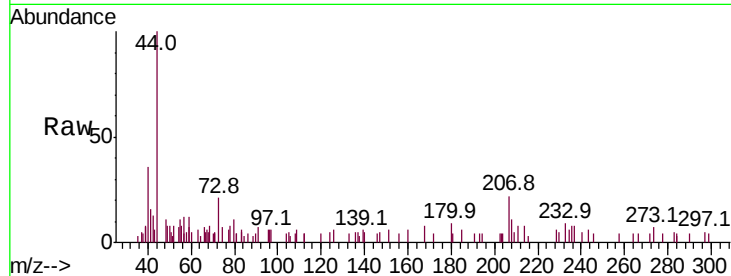


#19

Methyl tert-butyl Ether
 Concen: 5.721 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.02 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-04-002-ABCD

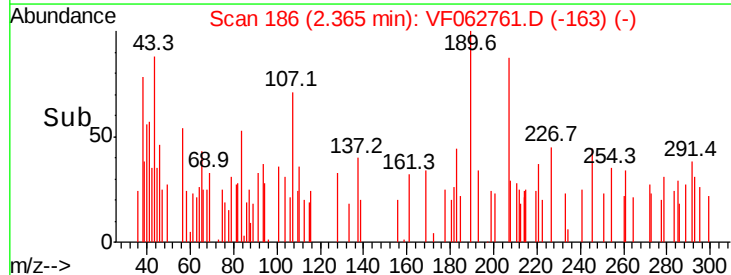
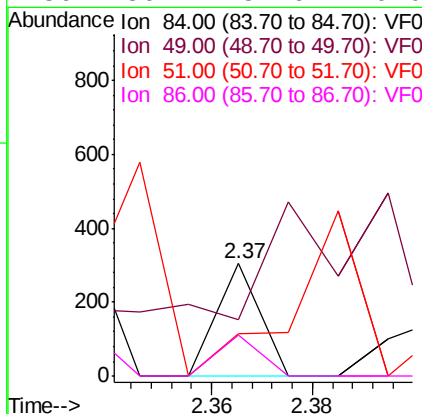
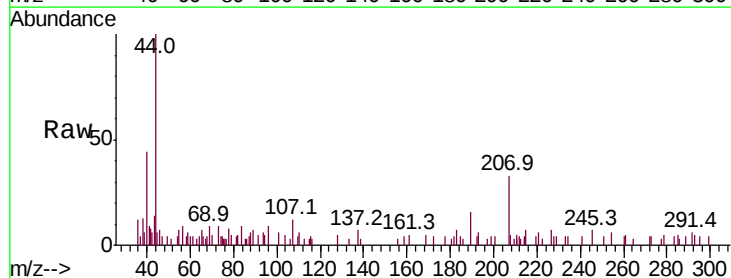
Tot Ion: 73 Resp: 1241
 Ion Ratio Lower Upper
 73 100
 57 58.0 14.2 21.4#

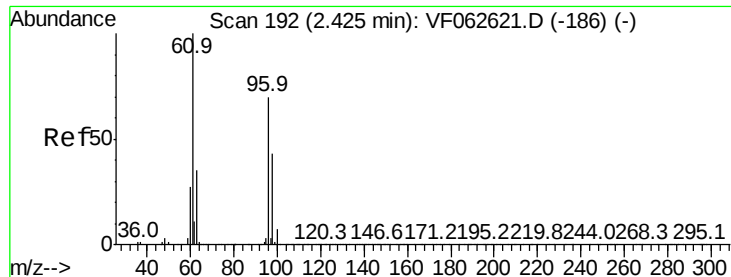


#20

Methylene Chloride
 Concen: 1.450 ug/l
 RT: 2.37 min Scan# 186
 Delta R.T. 0.03 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

Tgt Ion: 84 Resp: 180
 Ion Ratio Lower Upper
 84 100
 49 50.2 89.8 134.8#
 51 37.0 28.4 42.6
 86 36.7 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 4.856 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.03 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

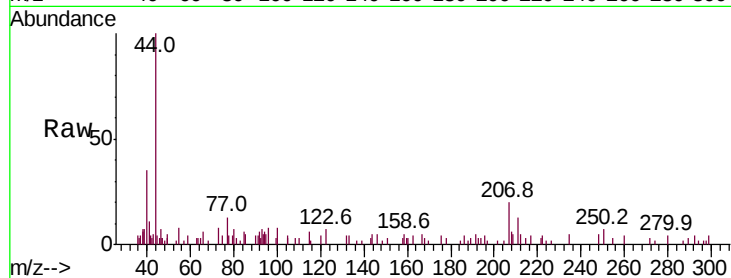
Tot Ion: 96 Resp: 576

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

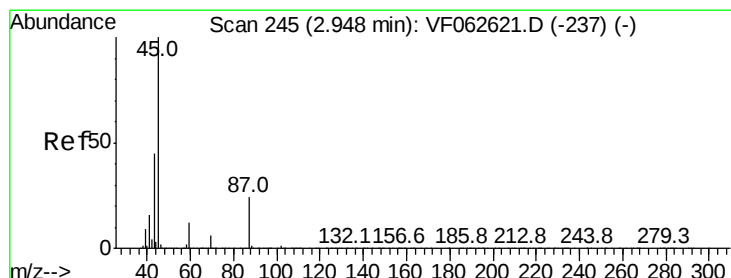
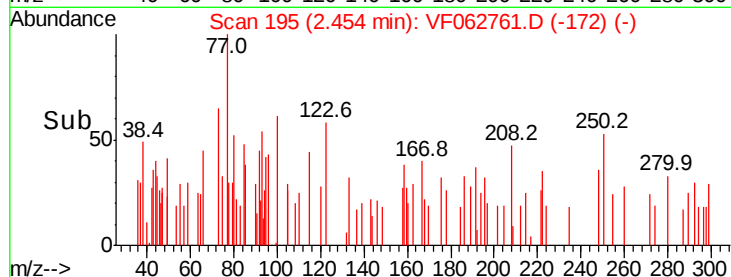
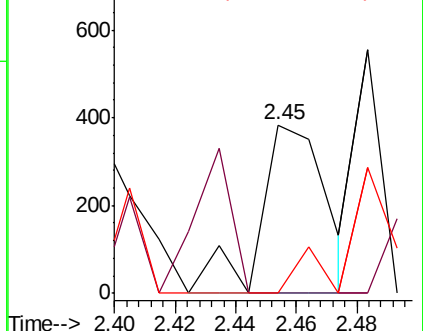
98 0.0 49.5 74.3#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 2.064 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.03 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion: 45 Resp: 559

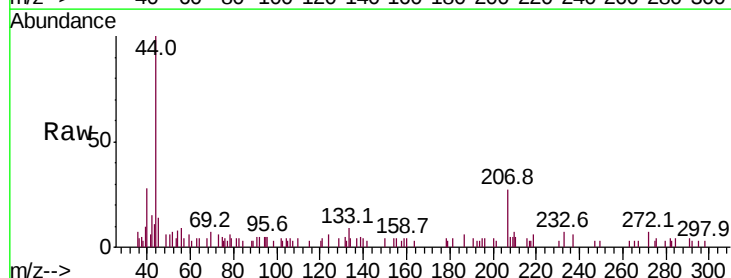
Ion Ratio Lower Upper

45 100

43 74.6 36.4 54.6#

87 0.0 19.3 28.9#

59 39.4 9.4 14.2#

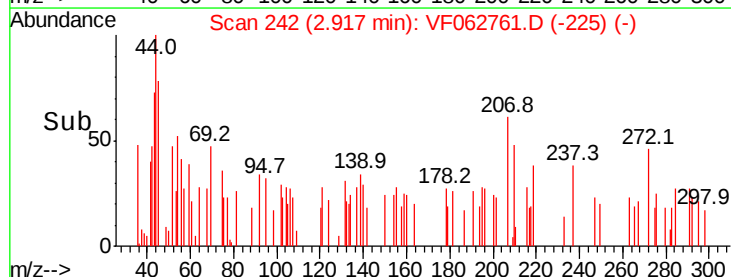
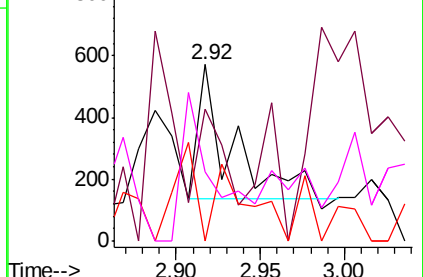


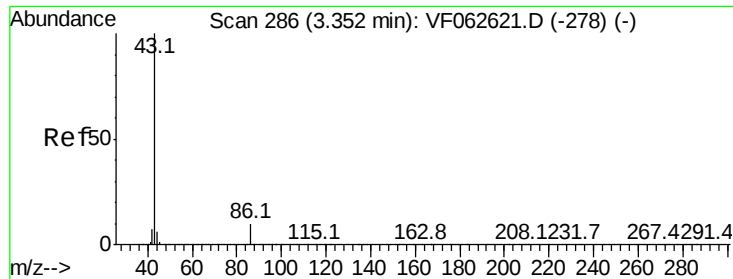
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

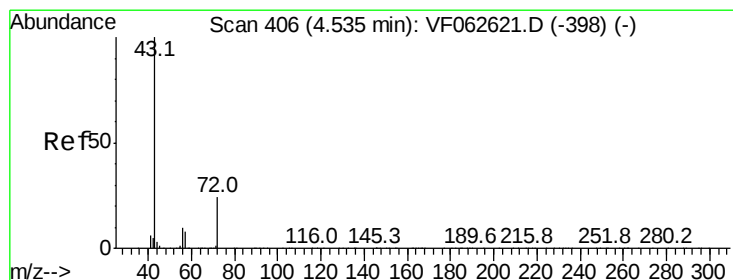
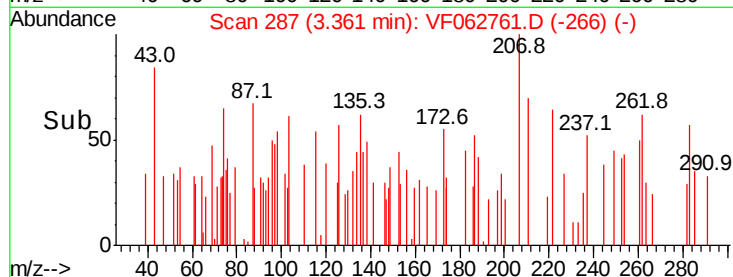
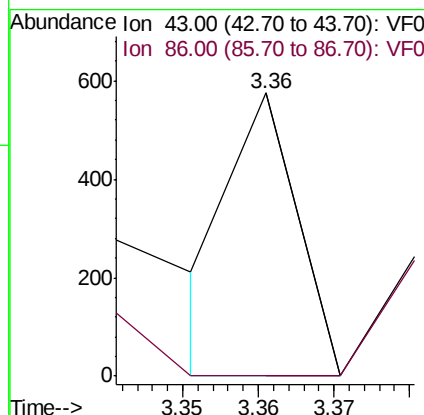
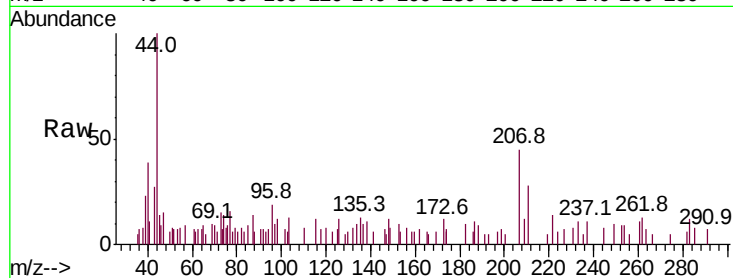




#23
 Vinyl Acetate
 Concen: 1.861 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

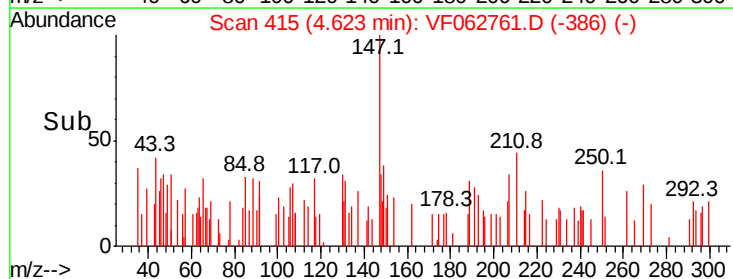
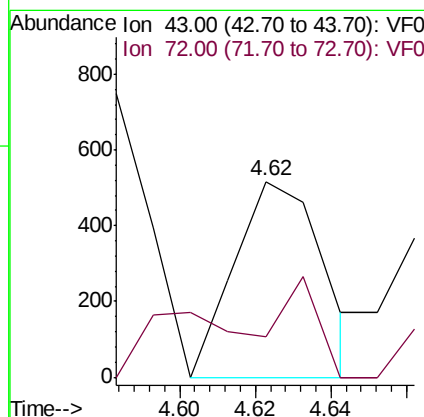
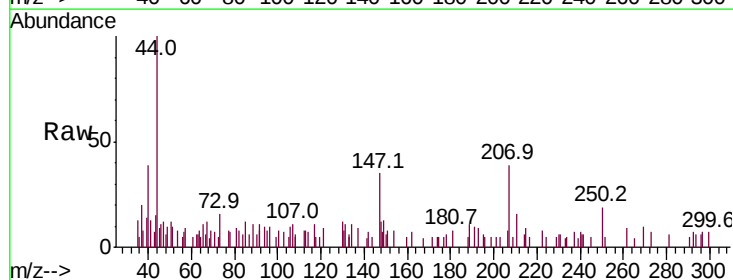
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-04-002-ABCD

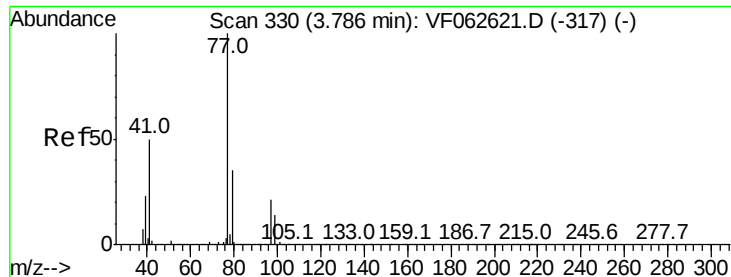
Tot Ion: 43 Resp: 340
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#25
 2-Butanone
 Concen: 15.725 ug/l
 RT: 4.62 min Scan# 415
 Delta R.T. 0.09 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

Tgt Ion: 43 Resp: 832
 Ion Ratio Lower Upper
 43 100
 72 20.7 20.1 30.1





#26

2,2-Dichloropropane

Concen: 7.186 ug/l

RT: 3.82 min Scan# 334

Delta R.T. 0.04 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

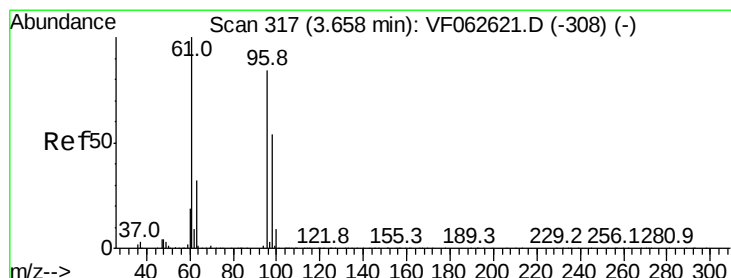
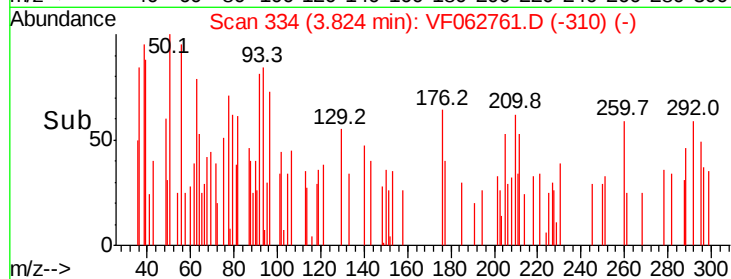
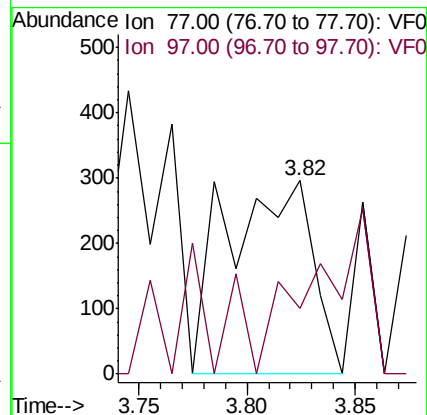
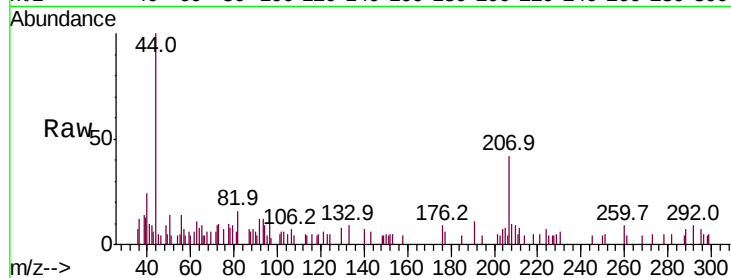
FK-BPM-04-002-ABCD

Tot Ion: 77 Resp: 817

Ion Ratio Lower Upper

77 100

97 33.8 14.1 42.4



#27

cis-1,2-Dichloroethene

Concen: 2.424 ug/l

RT: 3.67 min Scan# 318

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

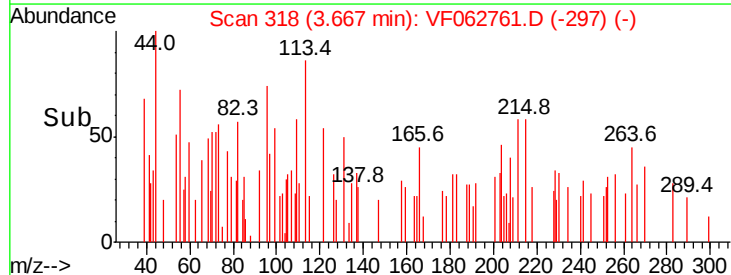
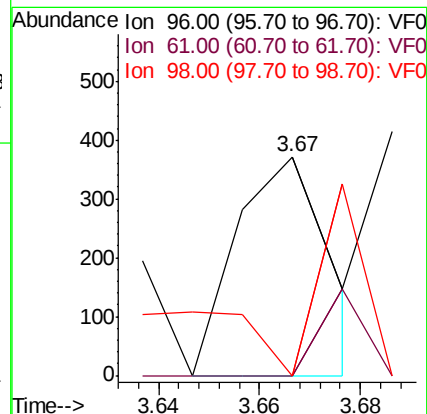
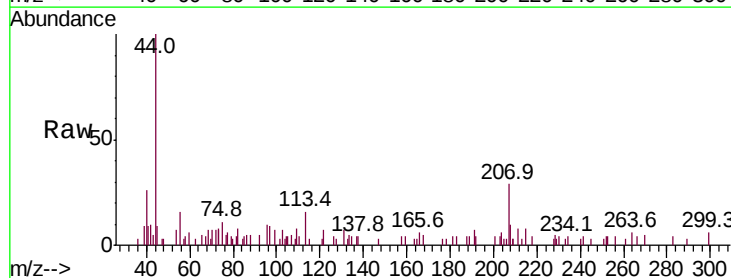
Tgt Ion: 96 Resp: 473

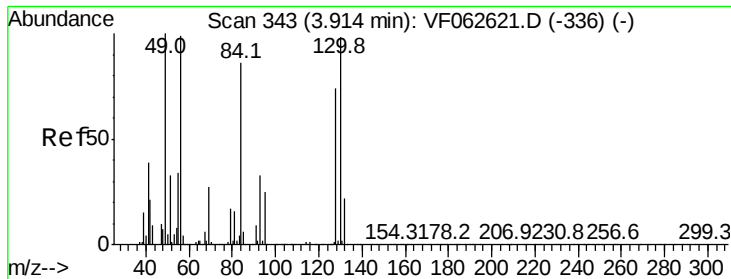
Ion Ratio Lower Upper

96 100

61 0.0 0.0 237.4

98 0.0 0.0 129.0





#28

Bromochloromethane

Concen: 2.396 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

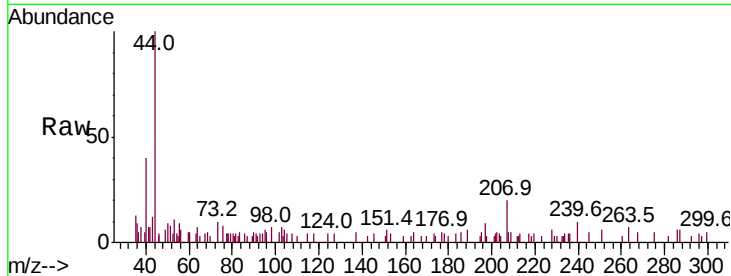
Tot Ion: 49 Resp: 267

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

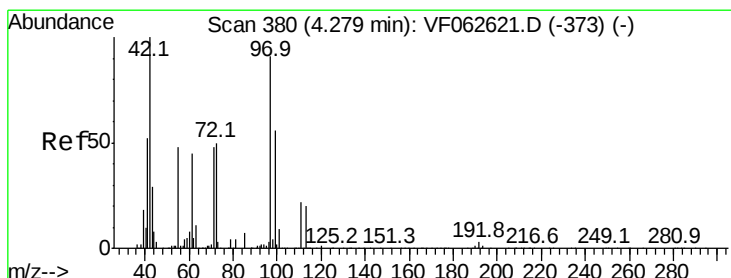
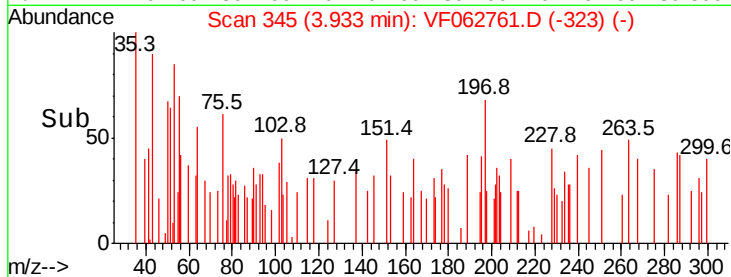
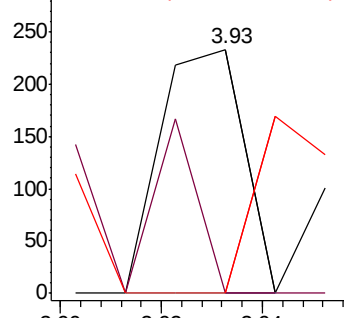
130 0.0 77.8 116.8#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 20.925 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

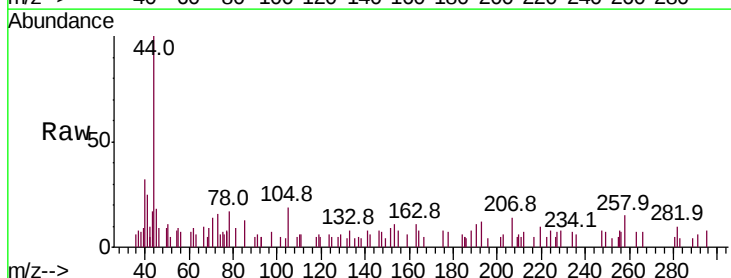
Tgt Ion: 42 Resp: 448

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

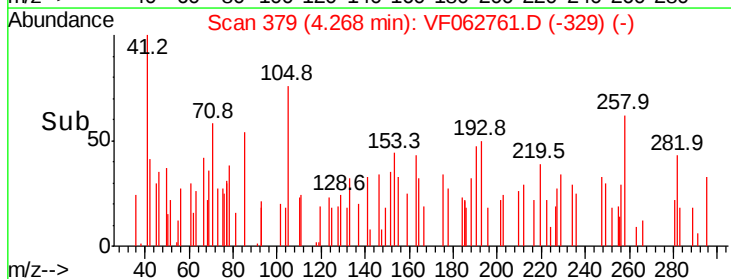
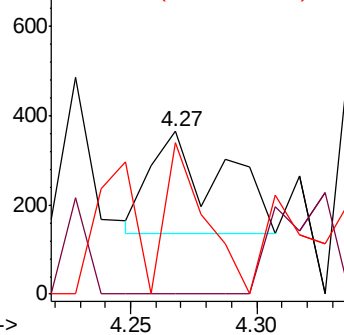
71 83.5 35.8 53.6#

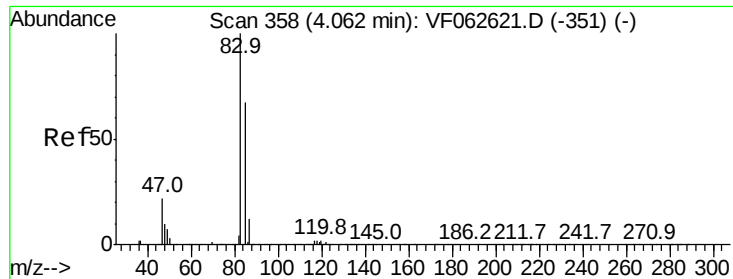


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

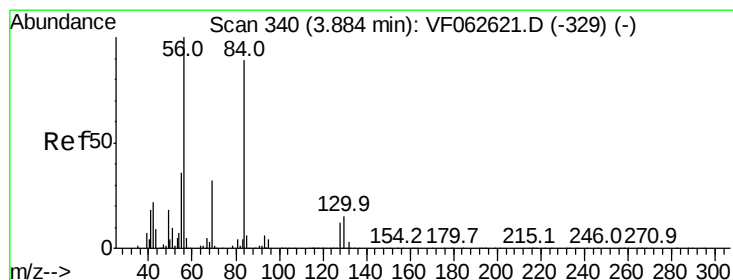
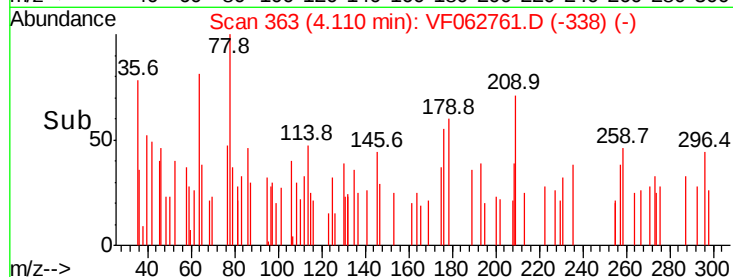
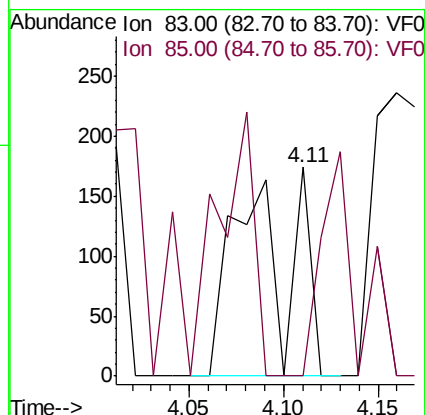
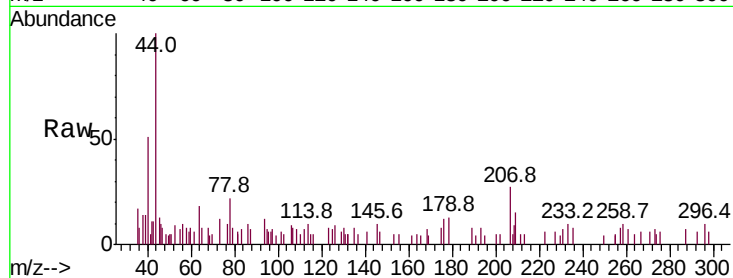




#30
Chloroform
Concen: 1.283 ug/l
RT: 4.11 min Scan# 363
Delta R.T. 0.05 min
Lab File: VF062761.D
Acq: 28 May 2019 15:34

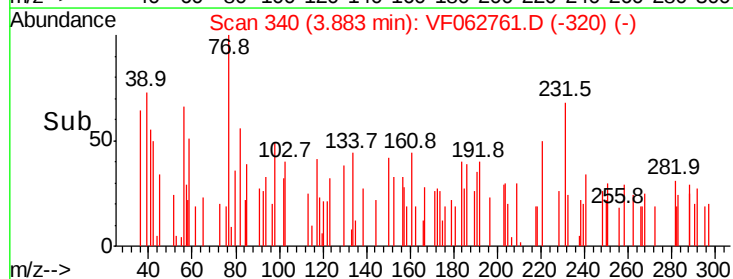
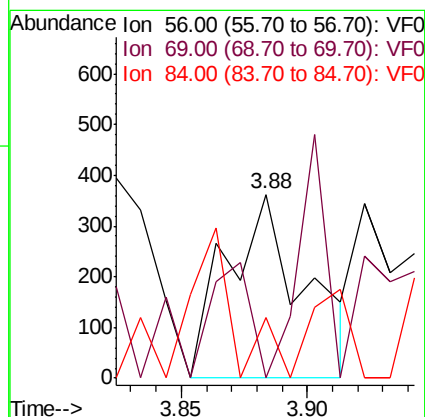
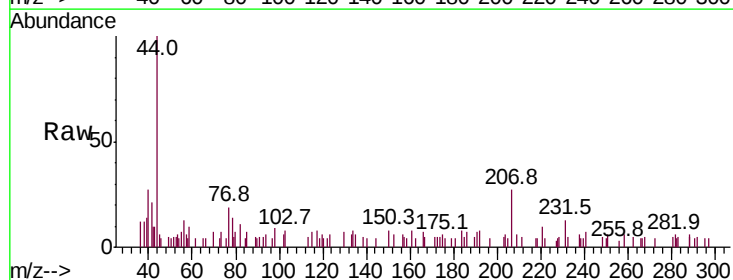
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-04-002-ABCD

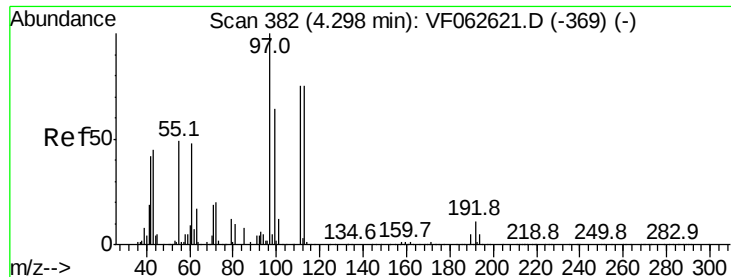
Tot Ion: 83 Resp: 354
Ion Ratio Lower Upper
83 100
85 0.0 53.6 80.4#



#31
Cyclohexane
Concen: 2.912 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062761.D
Acq: 28 May 2019 15:34

Tgt Ion: 56 Resp: 777
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 32.8 71.0 106.4#





#32

1,1,1-Trichloroethane

Concen: 3.908 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

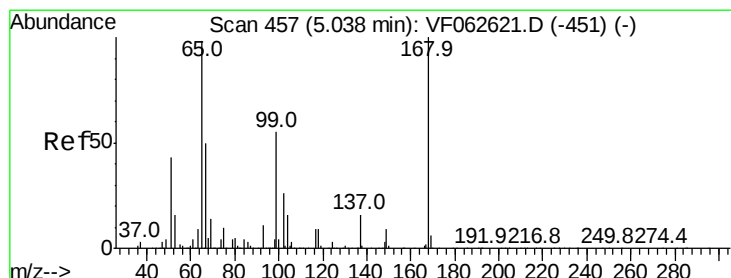
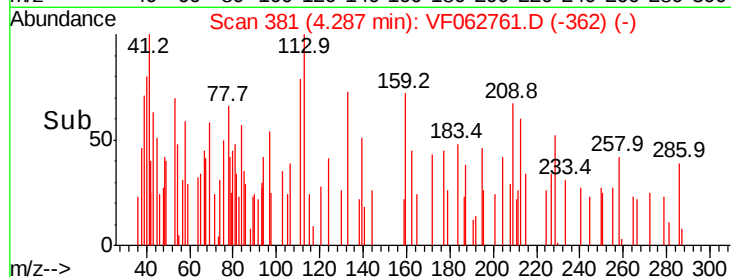
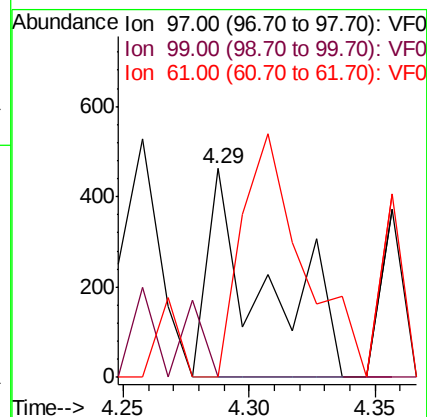
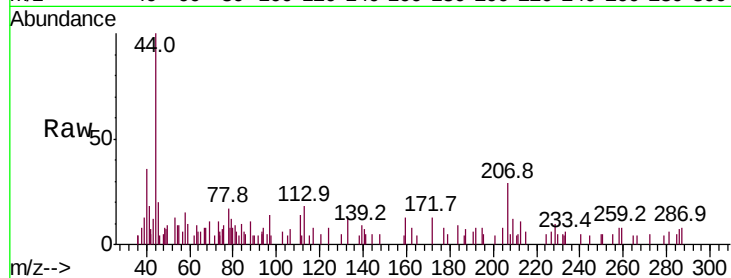
Tot Ion: 97 Resp: 716

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

61 0.0 38.2 57.2#



#33

1,2-Dichloroethane-d4

Concen: 21.707 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062761.D

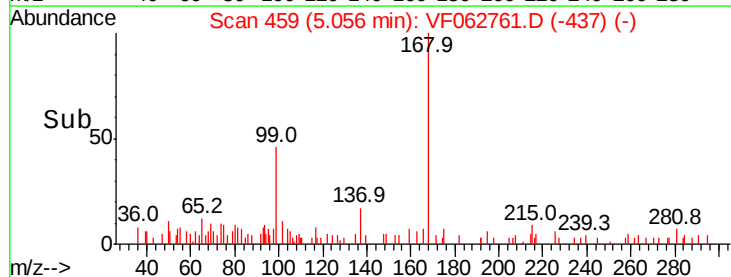
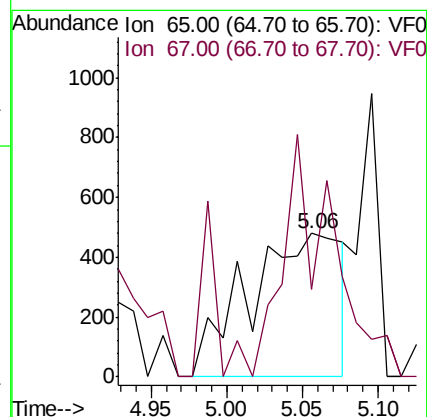
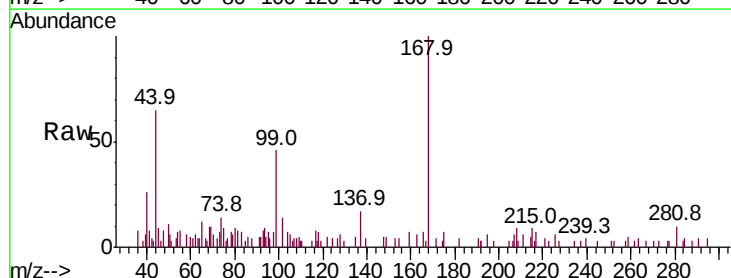
Acq: 28 May 2019 15:34

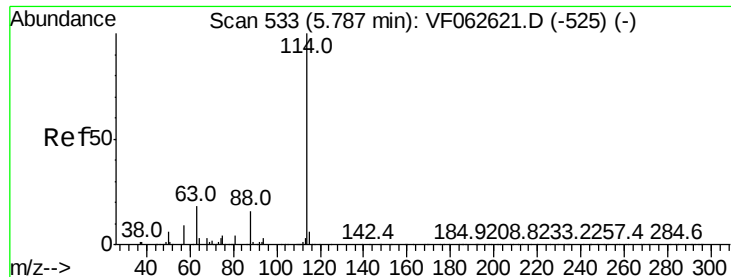
Tgt Ion: 65 Resp: 2072

Ion Ratio Lower Upper

65 100

67 61.0 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

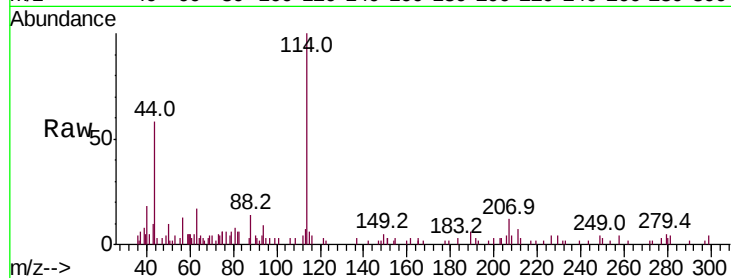
Tot Ion:114 Resp: 16541

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

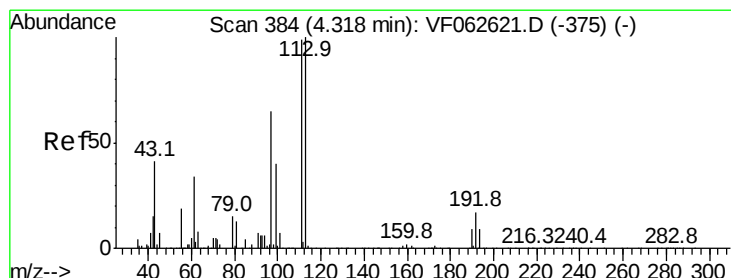
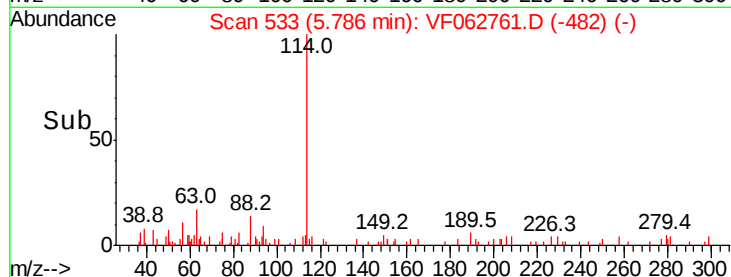
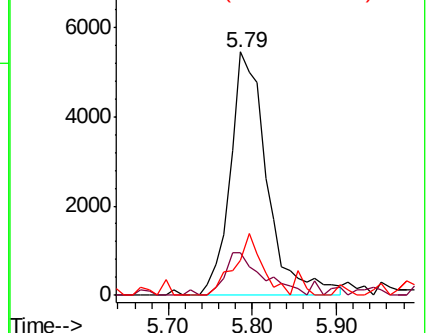
88 14.1 0.0 32.4



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: 32.946 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

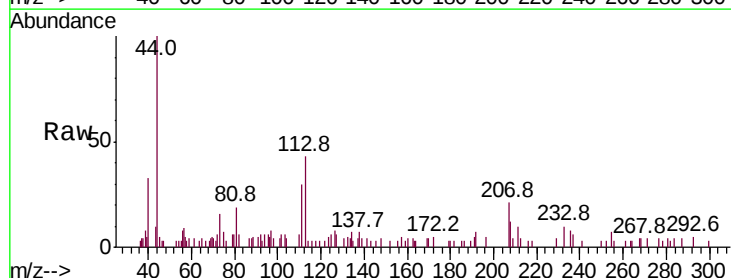
Tgt Ion:113 Resp: 4170

Ion Ratio Lower Upper

113 100

111 69.9 79.4 119.2#

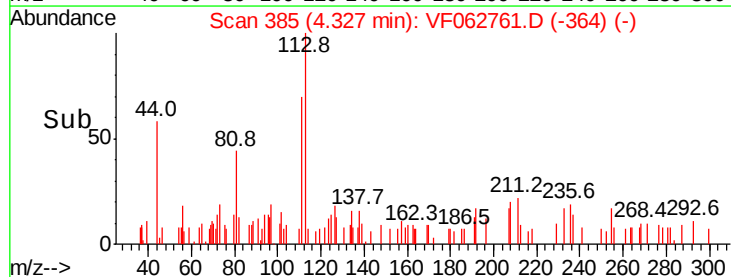
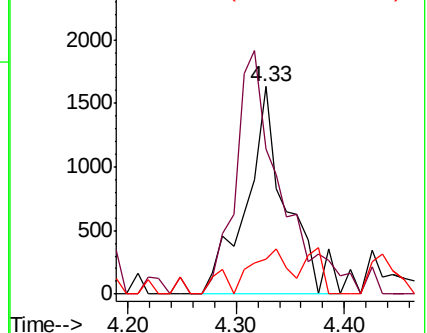
192 16.9 13.4 20.2

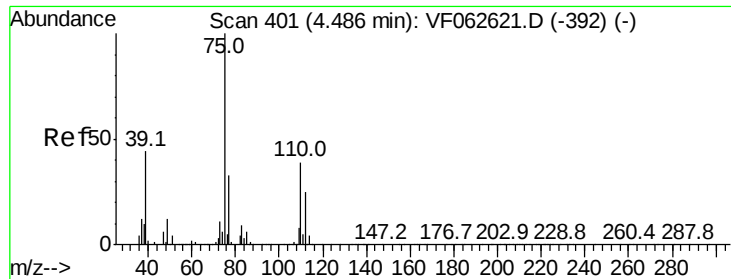


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 1.693 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.01 min

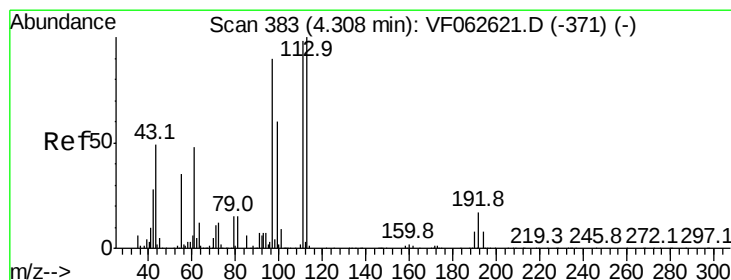
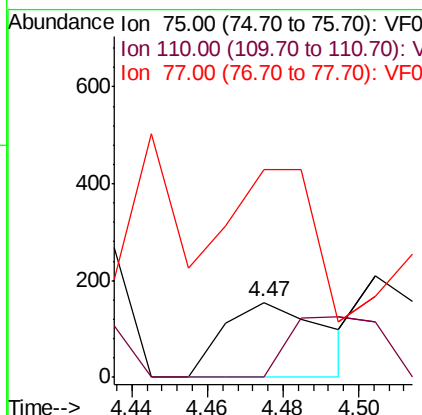
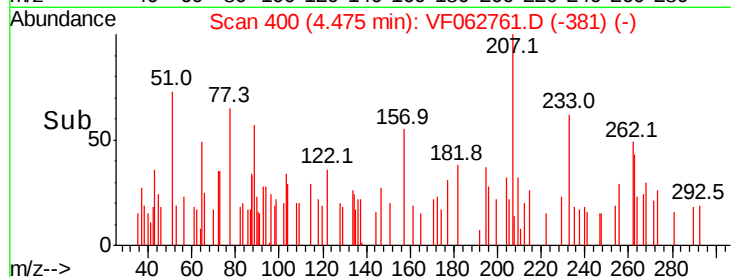
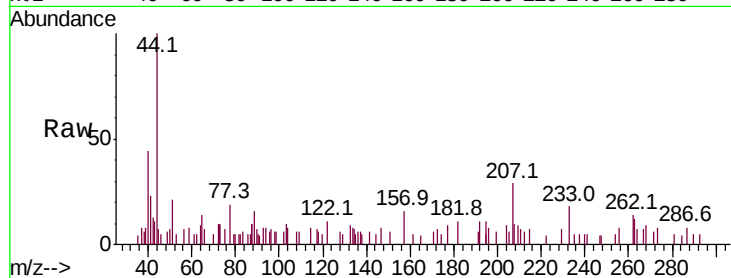
Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-04-002-ABCD

Tot Ion: 75 Resp: 287

Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.1#
77	277.4	26.3	39.5#



#37

Ethyl Acetate

Concen: 8.424 ug/l

RT: 4.36 min Scan# 388

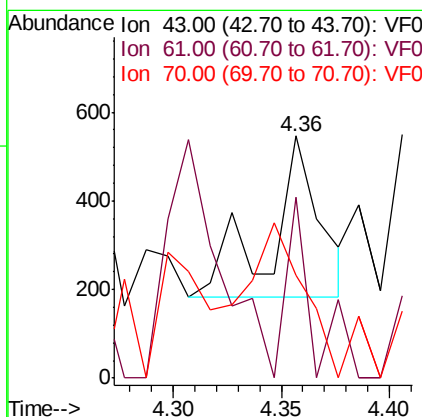
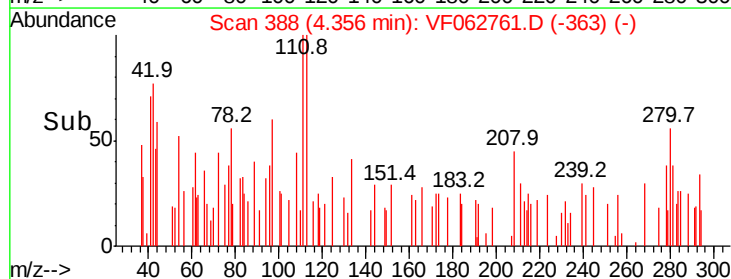
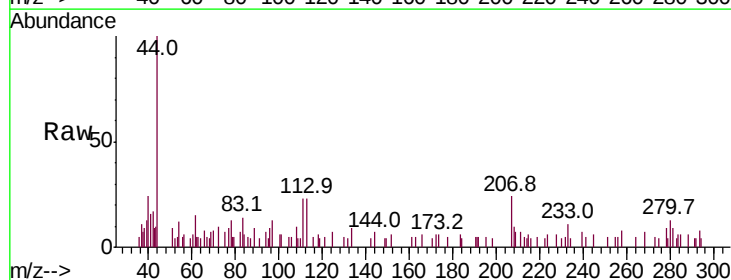
Delta R.T. 0.05 min

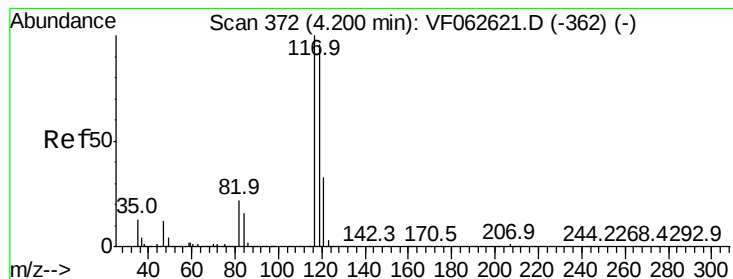
Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion: 43 Resp: 583

Ion	Ratio	Lower	Upper
43	100		
61	74.5	76.9	115.3#
70	42.7	8.8	13.2#





#38

Carbon Tetrachloride

Concen: 5.868 ug/l

RT: 4.21 min Scan# 373

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleID :

FK-BPM-04-002-ABCD

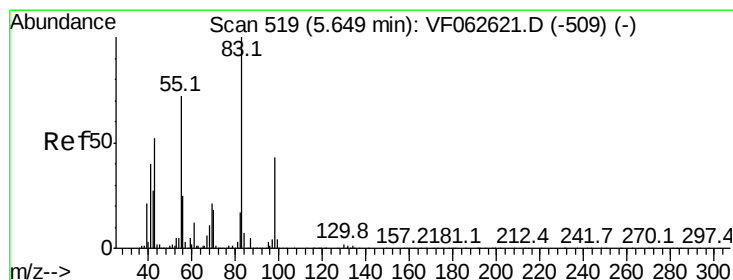
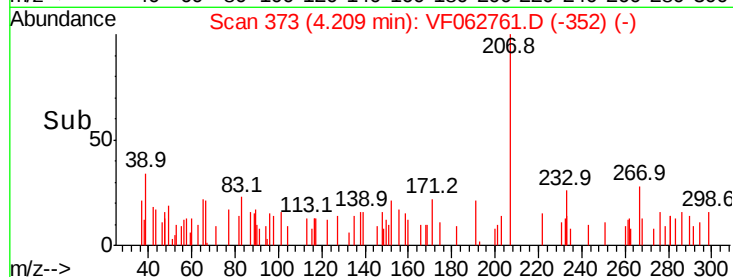
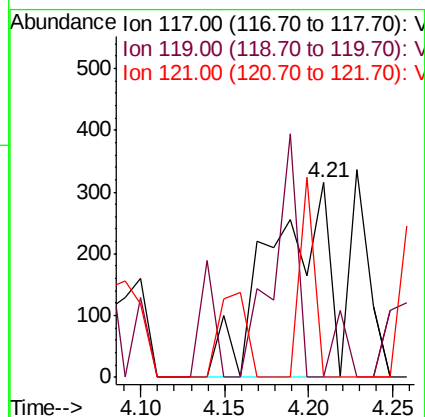
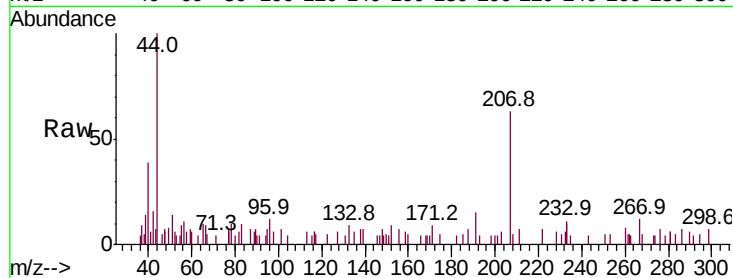
Tot Ion:117 Resp: 748

Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

121 0.0 26.6 40.0#



#39

Methylcyclohexane

Concen: 1.834 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

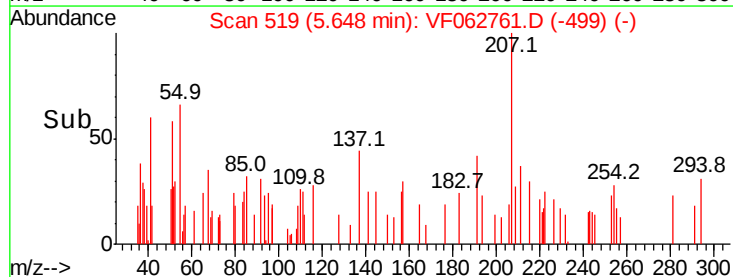
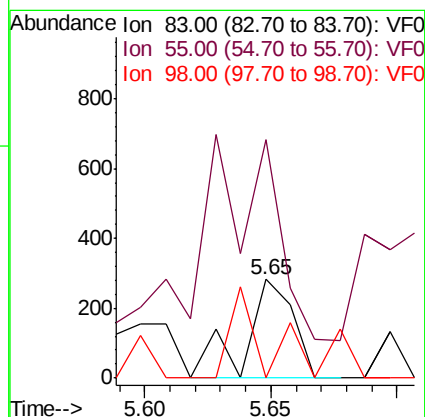
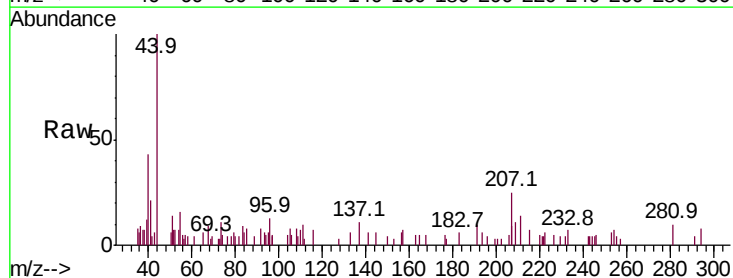
Tgt Ion: 83 Resp: 374

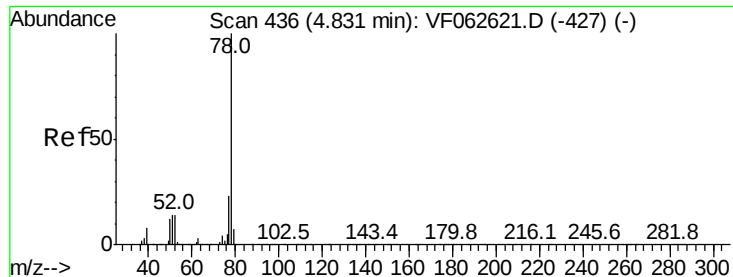
Ion Ratio Lower Upper

83 100

55 241.7 57.9 86.9#

98 0.0 34.6 52.0#





#40

Benzene

Concen: 3.537 ug/l

RT: 4.84 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

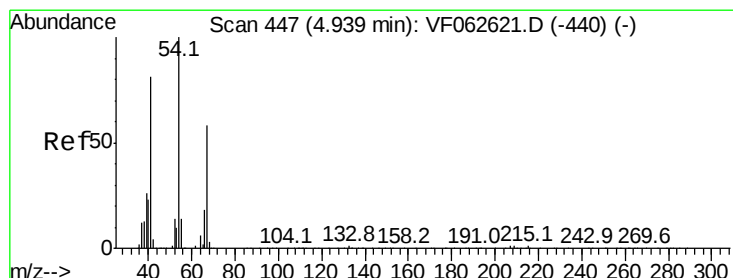
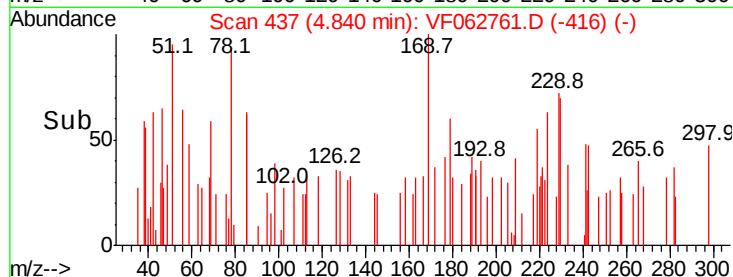
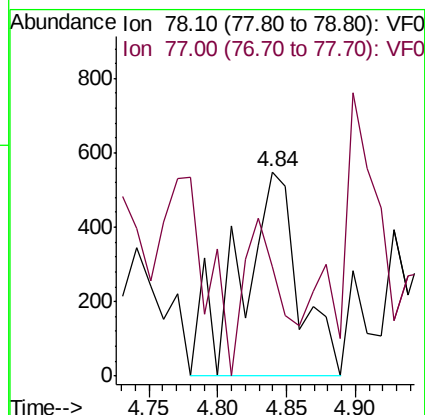
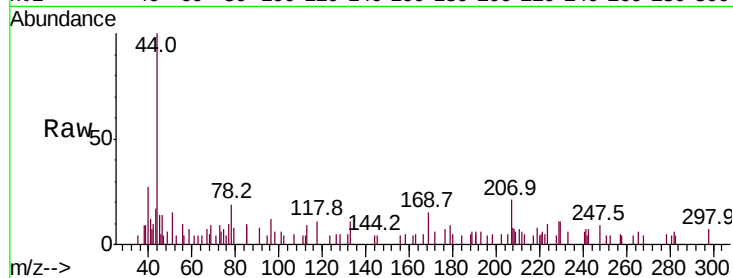
FK-BPM-04-002-ABCD

Tot Ion: 78 Resp: 1633

Ion Ratio Lower Upper

78 100

77 53.4 18.2 27.2#



#41

Methacrylonitrile

Concen: 6.918 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion: 41 Resp: 251

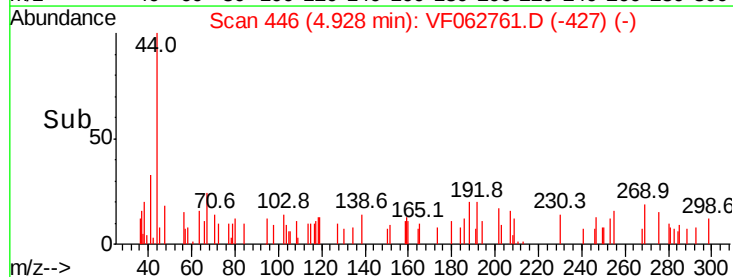
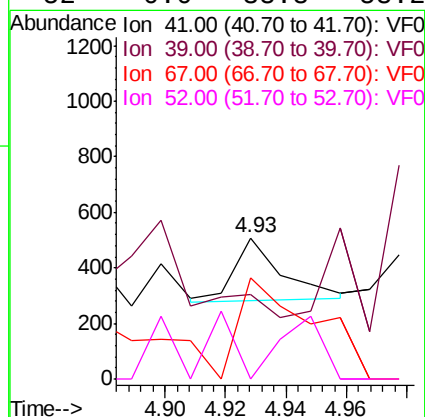
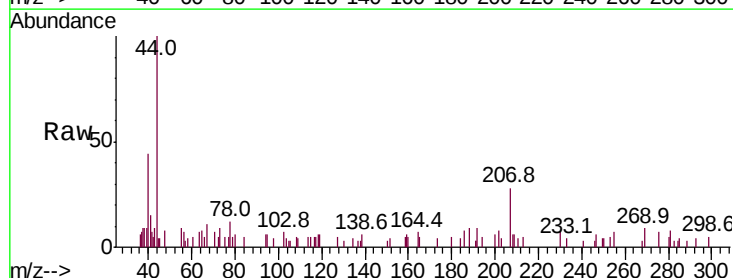
Ion Ratio Lower Upper

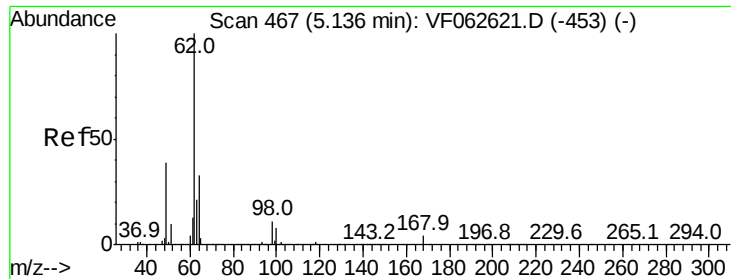
41 100

39 59.8 42.2 63.2

67 71.6 56.4 84.6

52 0.0 38.8 58.2#





#42

1,2-Dichloroethane

Concen: 4.290 ug/l

RT: 5.15 min Scan# 469

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

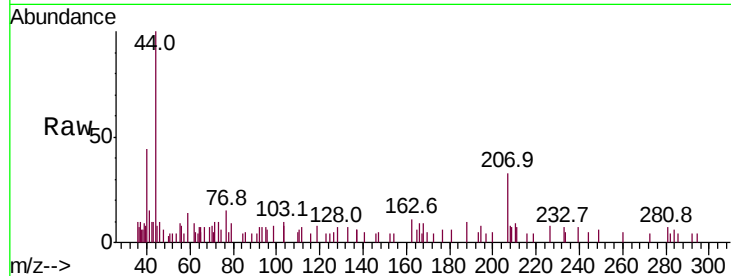
FK-BPM-04-002-ABCD

Tot Ion: 62 Resp: 395

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

300

200

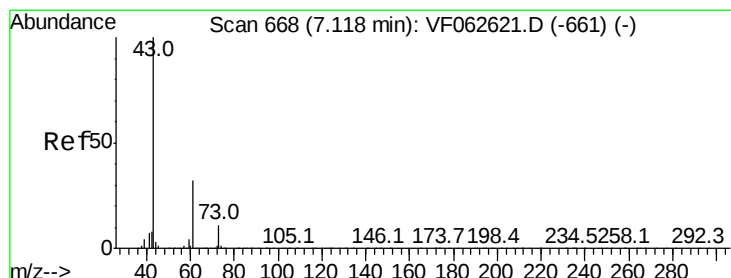
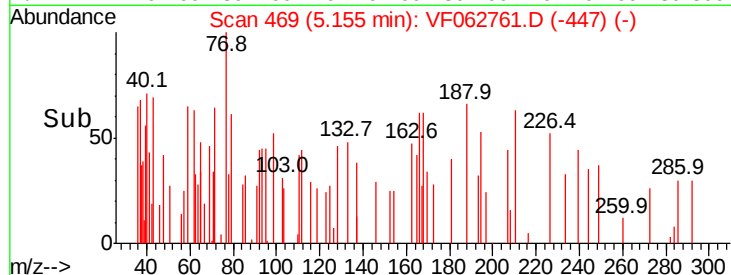
100

0

5.15

5.20

Time-->



#43

Isopropyl Acetate

Concen: 7.729 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

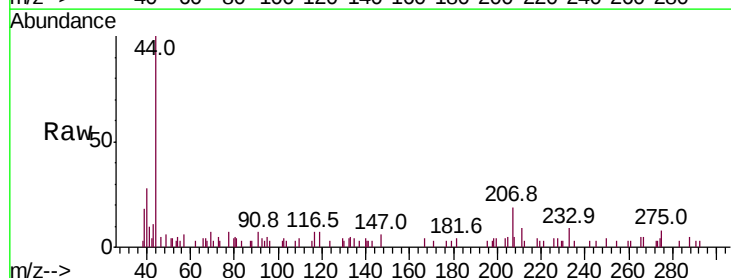
Tgt Ion: 43 Resp: 693

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

87 27.1 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

600

500

400

300

200

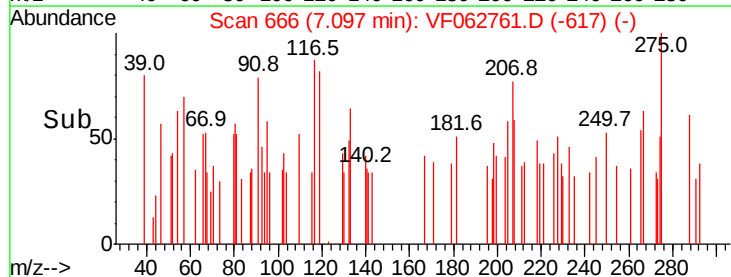
100

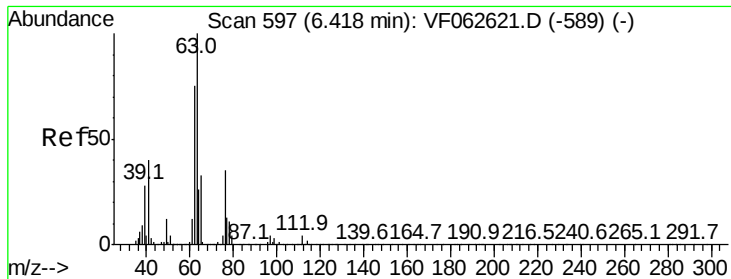
0

7.05

7.10

Time-->





#45

1,2-Dichloropropane

Concen: 1.287 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

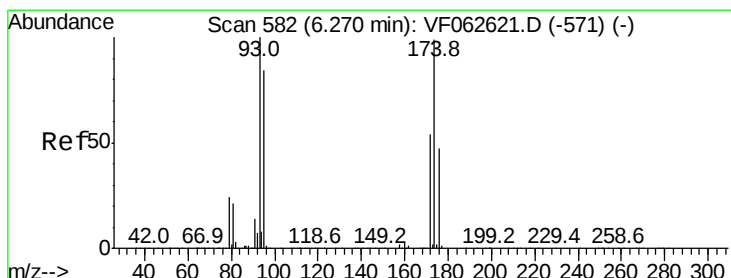
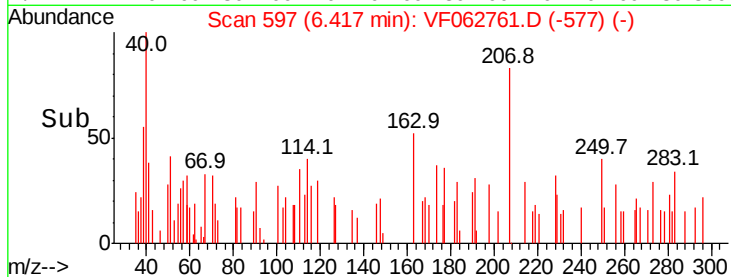
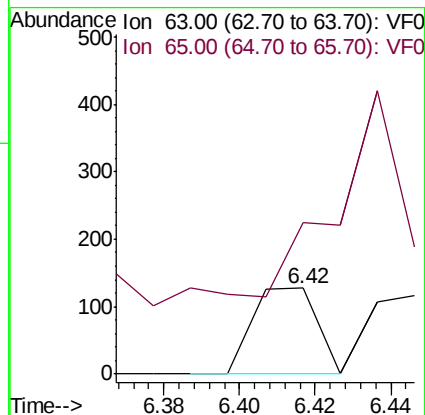
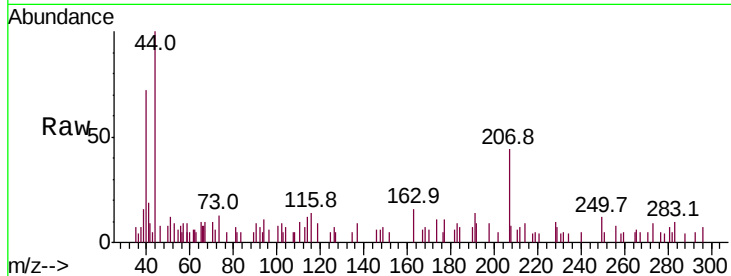
FK-BPM-04-002-ABCD

Tot Ion: 63 Resp: 150

Ion Ratio Lower Upper

63 100

65 329.1 26.3 39.5#



#46

Dibromomethane

Concen: 1.336 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

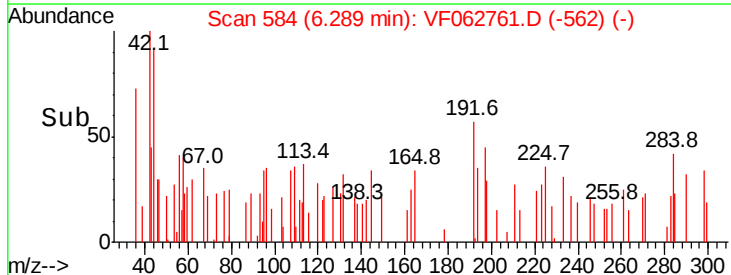
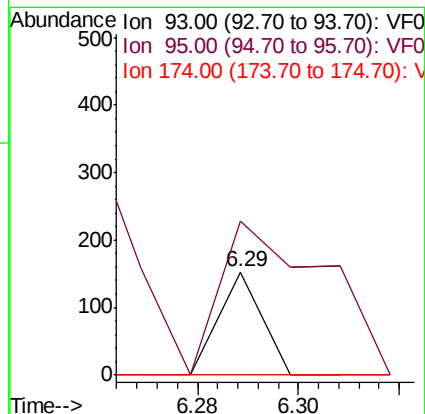
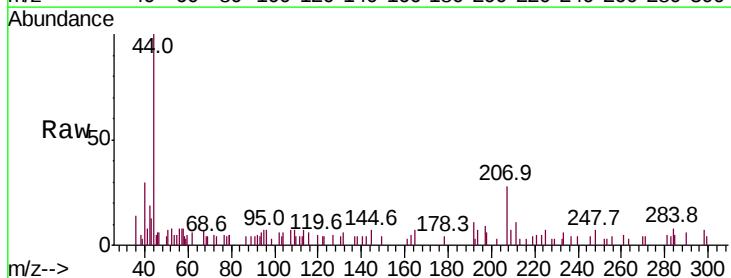
Tgt Ion: 93 Resp: 90

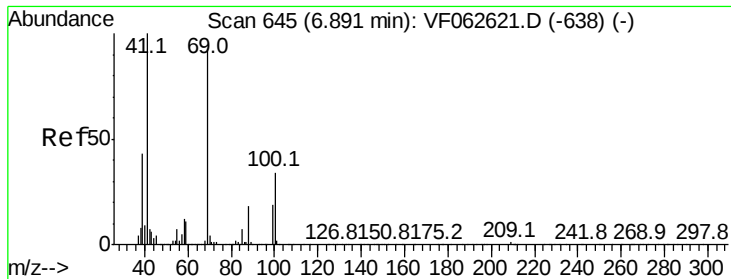
Ion Ratio Lower Upper

93 100

95 149.7 67.4 101.2#

174 0.0 79.4 119.2#





#48

Methyl methacrylate

Concen: 14.660 ug/l

RT: 6.93 min Scan# 649

Delta R.T. 0.04 min

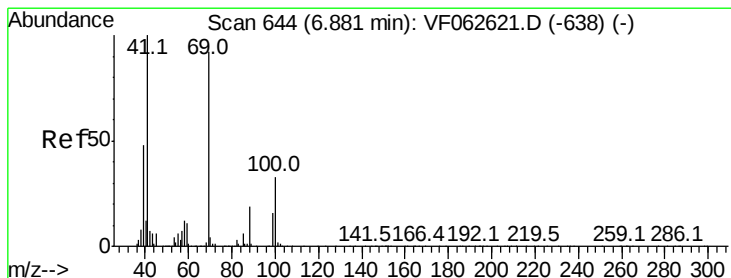
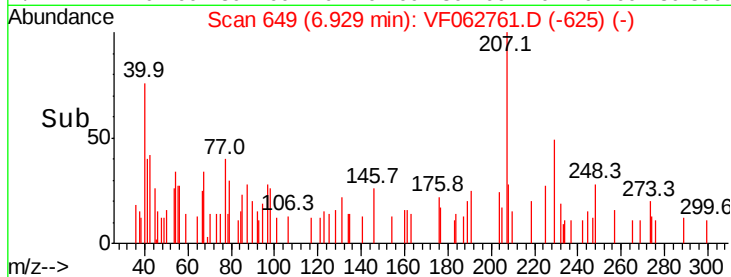
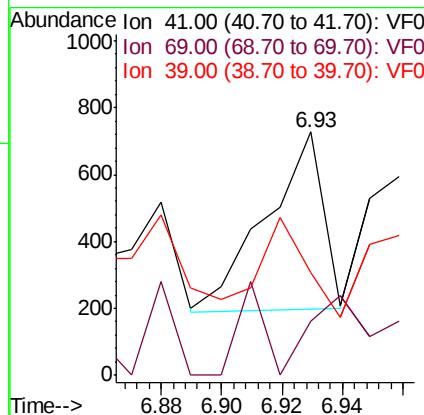
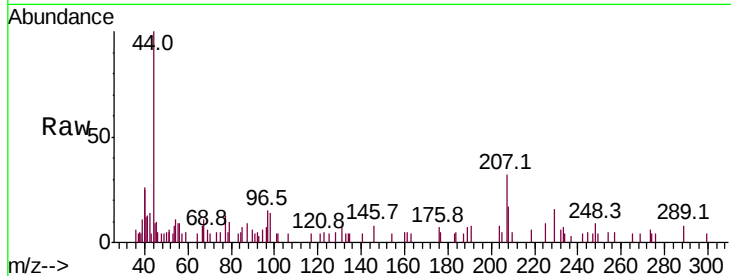
Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-04-002-ABCD

Tot Ion: 41 Resp: 687

Ion	Ratio	Lower	Upper
41	100		
69	22.0	74.2	111.2#
39	42.0	34.2	51.4



#49

1,4-Dioxane

Concen: 211.593 ug/l

RT: 6.89 min Scan# 645

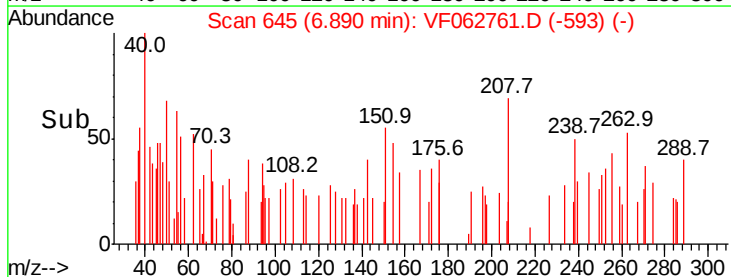
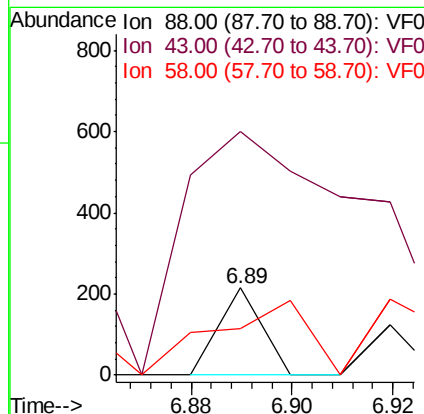
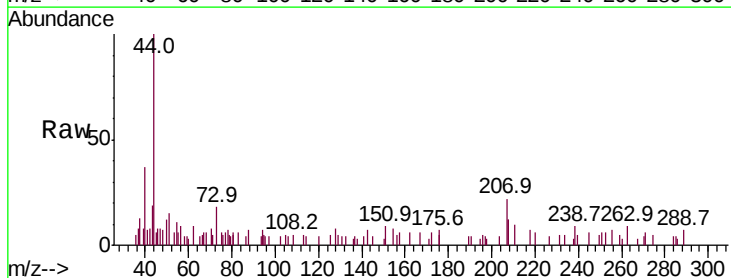
Delta R.T. 0.01 min

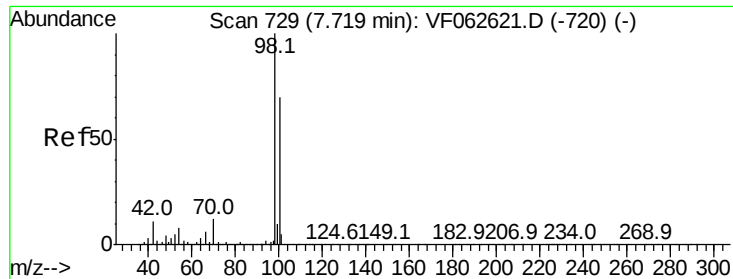
Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion: 88 Resp: 127

Ion	Ratio	Lower	Upper
88	100		
43	280.4	30.0	45.0#
58	54.2	51.1	76.7





#50

Toluene-d8

Concen: 43.249 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

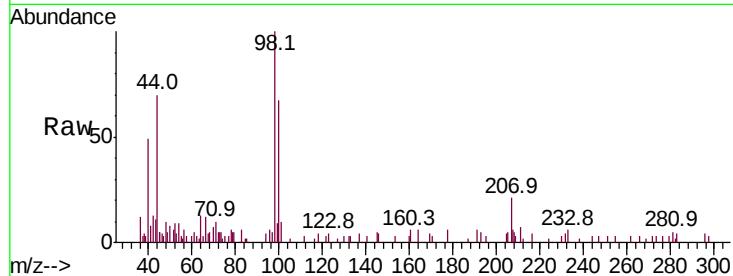
FK-BPM-04-002-ABCD

Tot Ion: 98 Resp: 13070

Ion Ratio Lower Upper

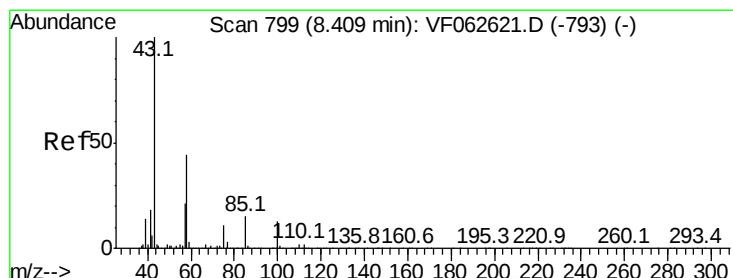
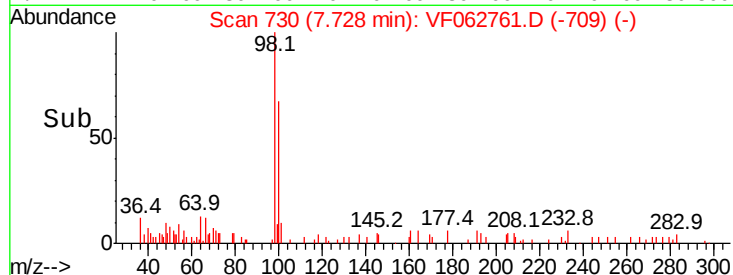
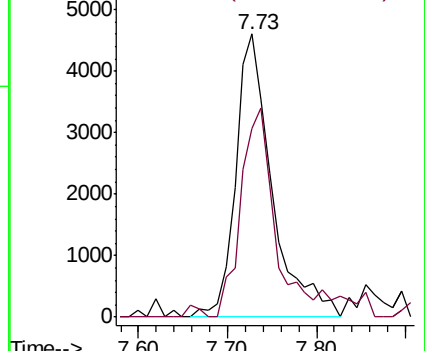
98 100

100 66.8 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 27.446 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062761.D

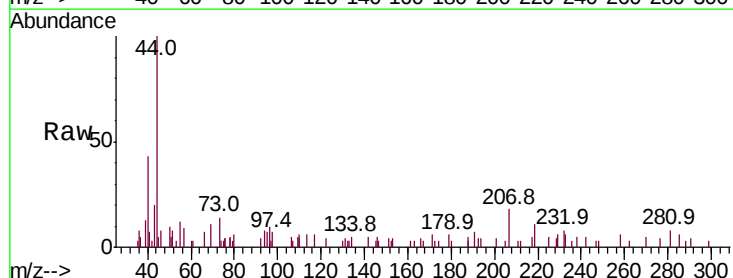
Acq: 28 May 2019 15:34

Tgt Ion: 43 Resp: 1682

Ion Ratio Lower Upper

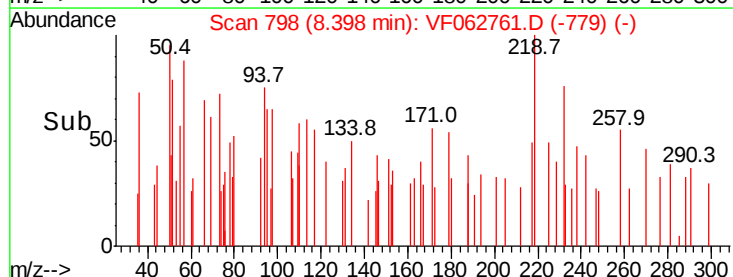
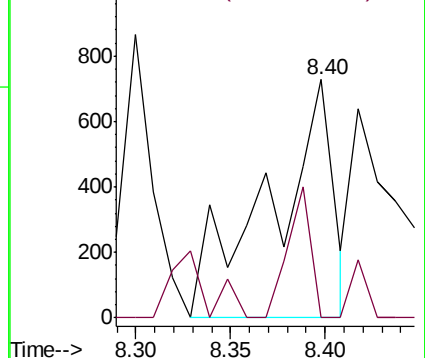
43 100

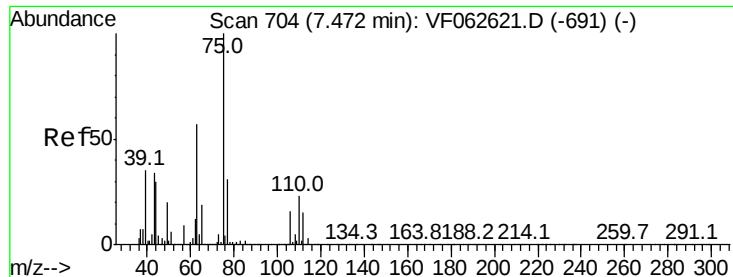
58 0.0 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 4.414 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.03 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

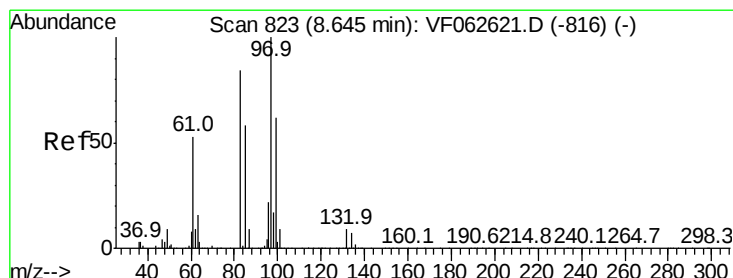
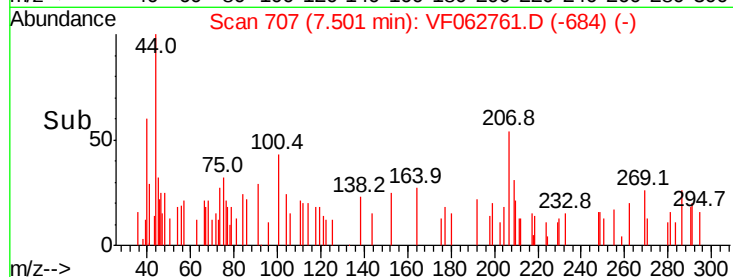
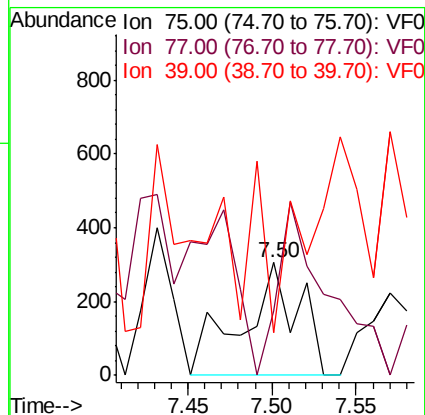
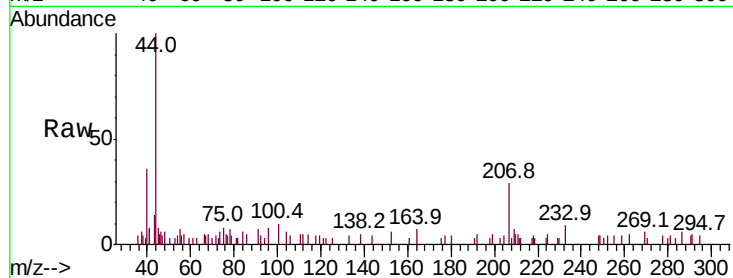
Tot Ion: 75 Resp: 707

Ion Ratio Lower Upper

75 100

77 56.7 25.3 37.9#

39 38.0 28.2 42.2



#55

1,1,2-Trichloroethane

Concen: 1.632 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion: 97 Resp: 117

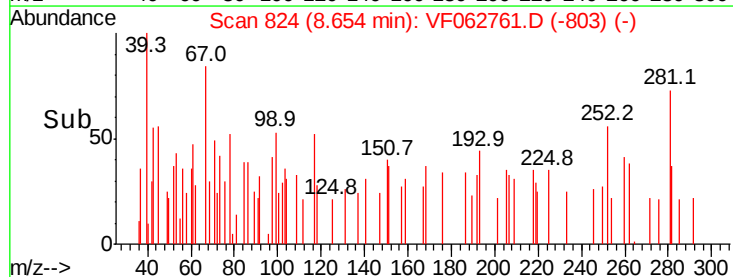
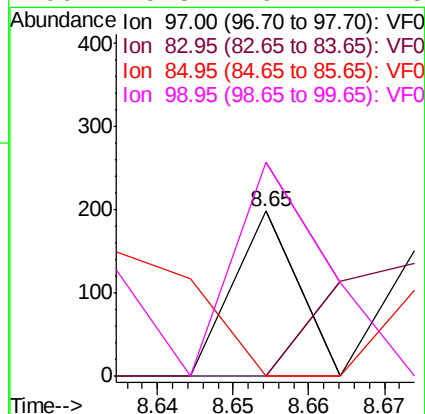
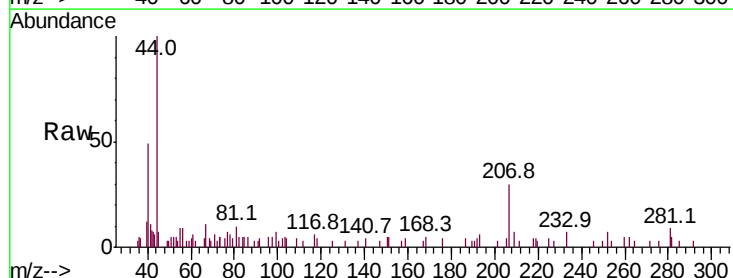
Ion Ratio Lower Upper

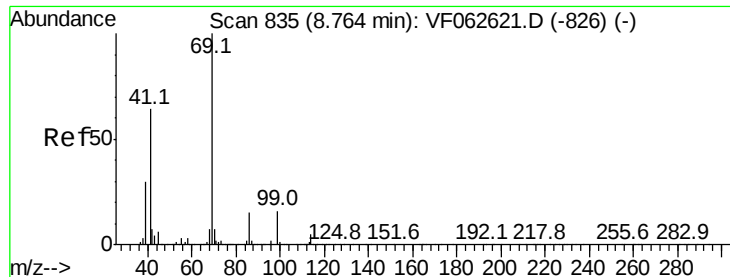
97 100

83 0.0 67.3 100.9#

85 0.0 46.6 69.8#

99 129.8 49.7 74.5#





#56

Ethyl methacrylate

Concen: 2.927 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

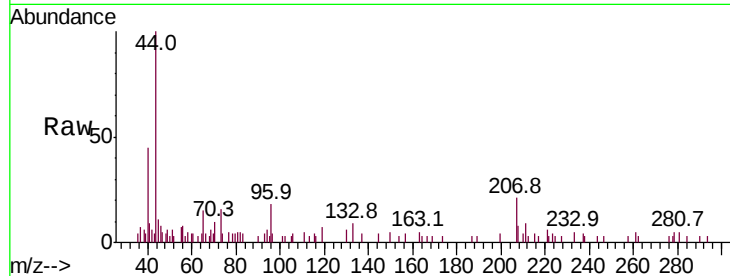
Tot Ion: 69 Resp: 250

Ion Ratio Lower Upper

69 100

41 152.3 51.4 77.2#

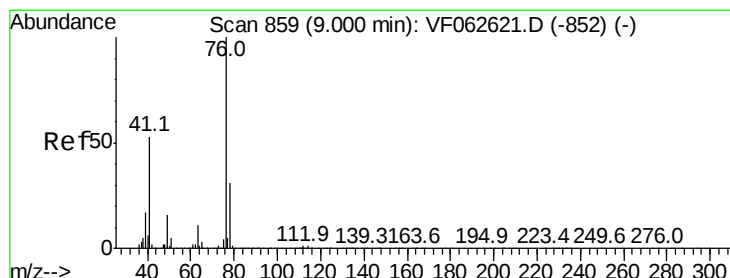
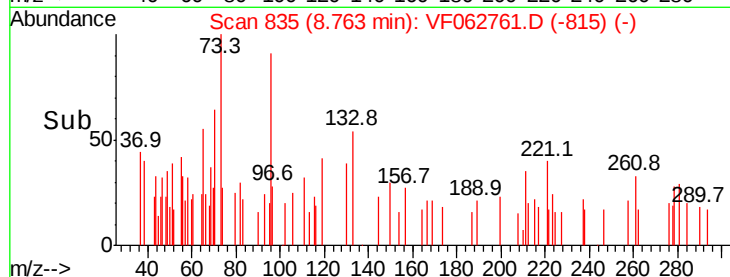
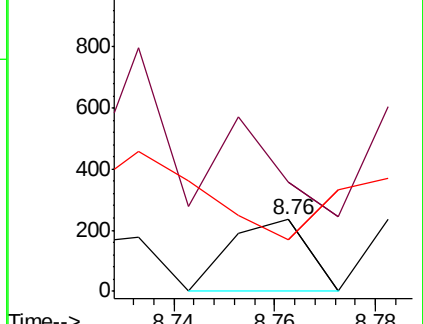
39 71.1 23.6 35.4#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#57

1,3-Dichloropropane

Concen: 1.924 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.03 min

Lab File: VF062761.D

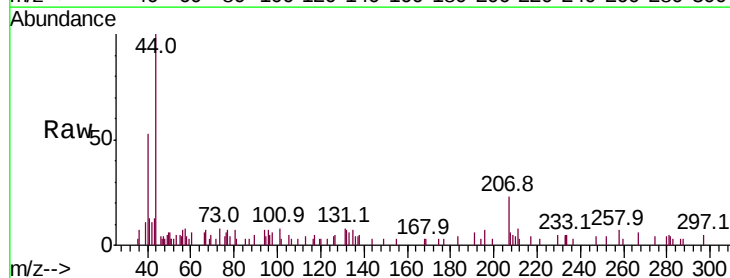
Acq: 28 May 2019 15:34

Tgt Ion: 76 Resp: 235

Ion Ratio Lower Upper

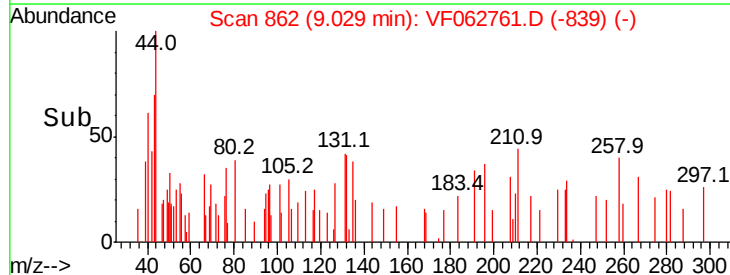
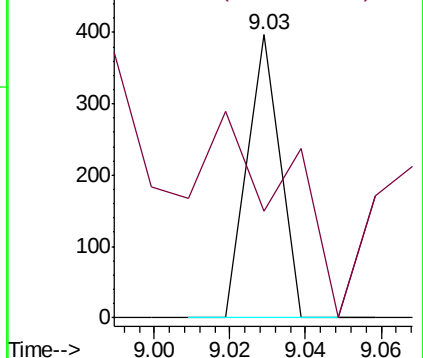
76 100

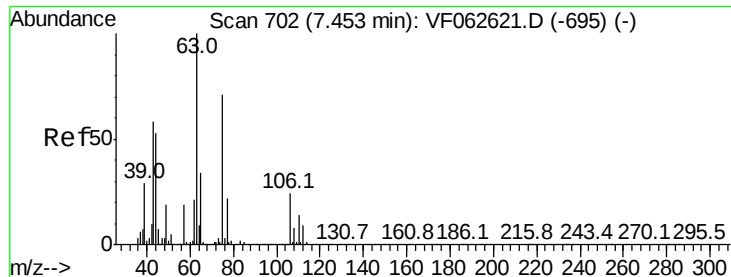
78 37.5 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

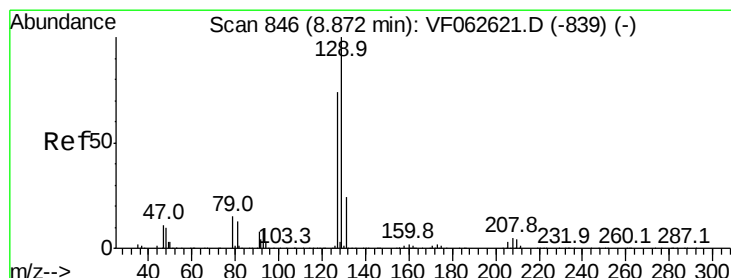
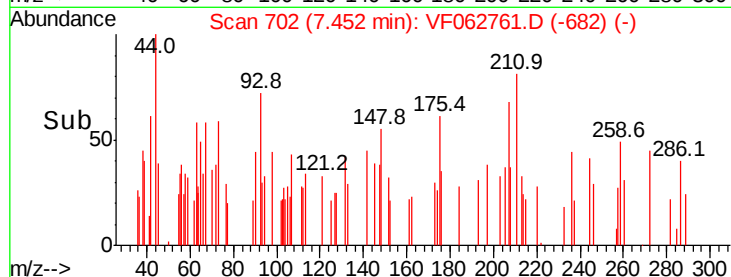
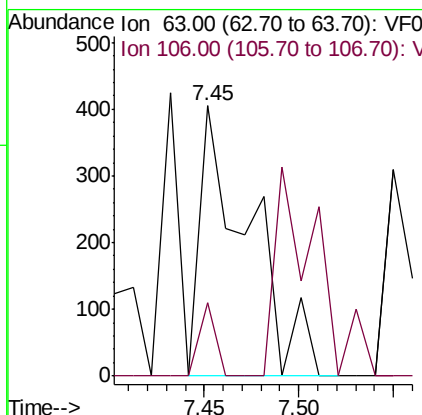
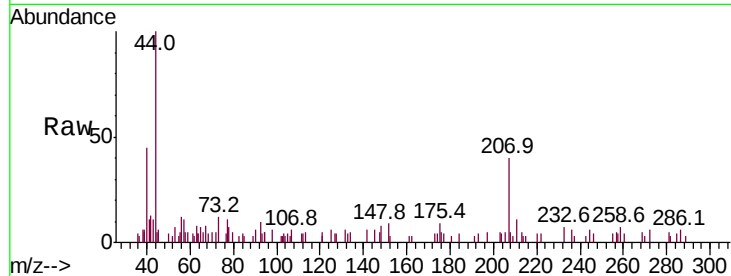




#58
 2-Chloroethyl Vinyl ether
 Concen: 26.038 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

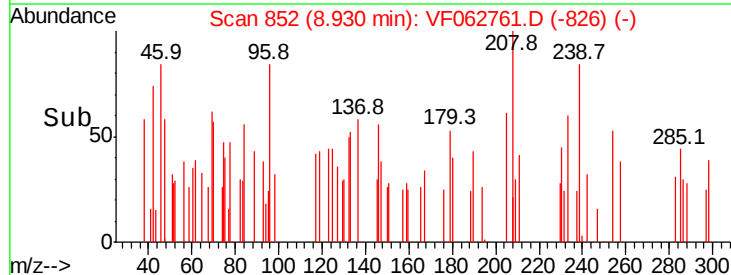
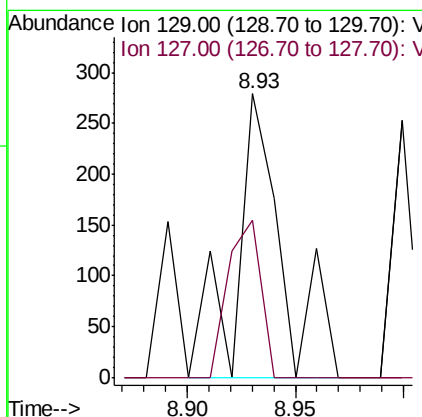
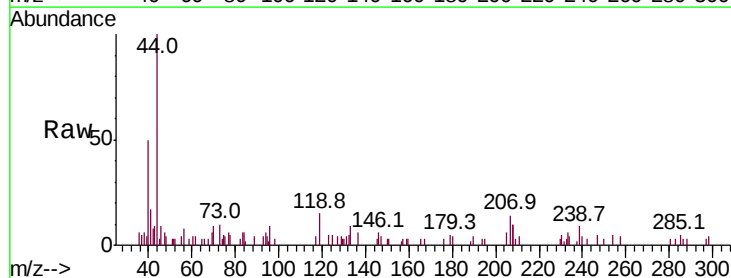
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-04-002-ABCD

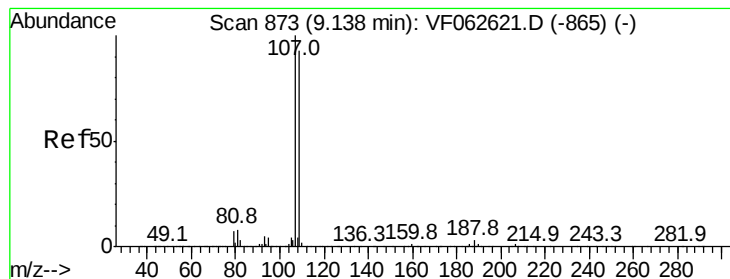
Tot Ion: 63 Resp: 724
 Ion Ratio Lower Upper
 63 100
 106 27.2 19.1 28.7



#60
 Dibromochloromethane
 Concen: 4.473 ug/l
 RT: 8.93 min Scan# 852
 Delta R.T. 0.06 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

Tgt Ion: 129 Resp: 418
 Ion Ratio Lower Upper
 129 100
 127 55.6 37.2 111.6





#61

1,2-Dibromoethane

Concen: 2.482 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

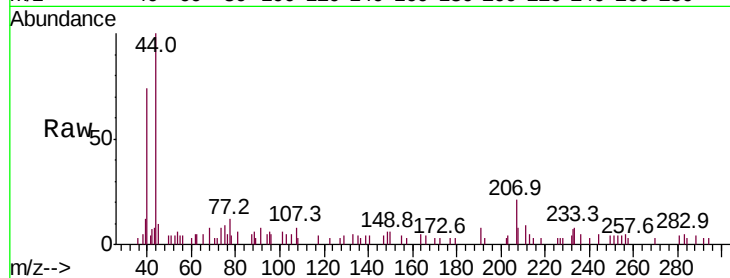
FK-BPM-04-002-ABCD

Tot Ion:107 Resp: 189

Ion Ratio Lower Upper

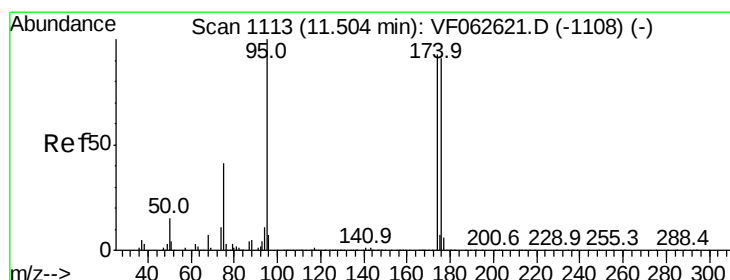
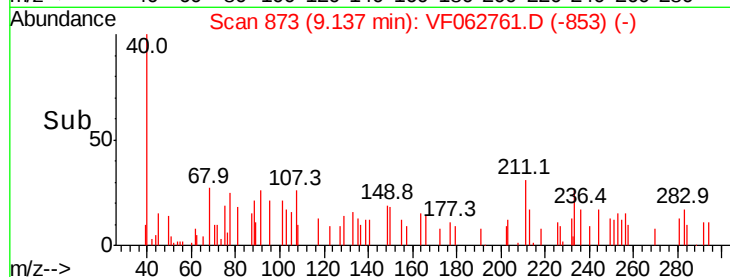
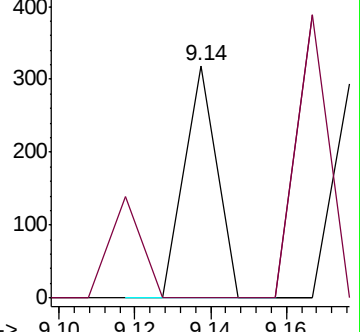
107 100

109 0.0 74.8 112.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 15.294 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

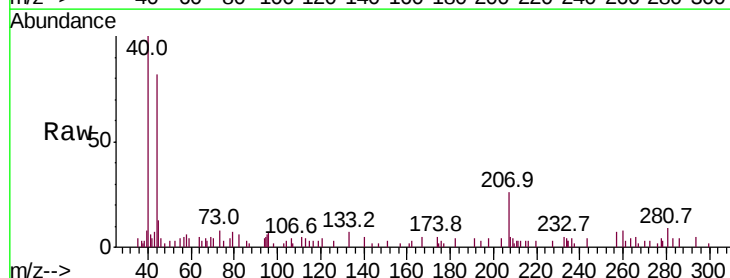
Tgt Ion: 95 Resp: 1753

Ion Ratio Lower Upper

95 100

174 64.6 0.0 185.6

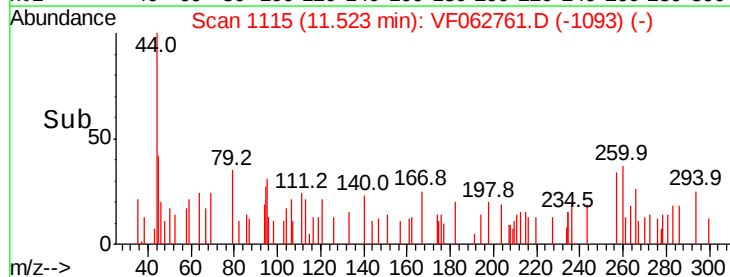
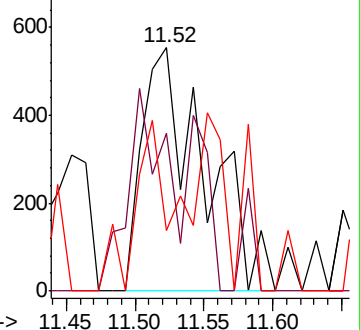
176 25.1 0.0 182.4

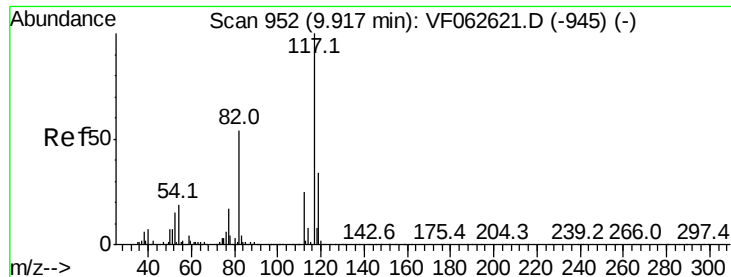


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

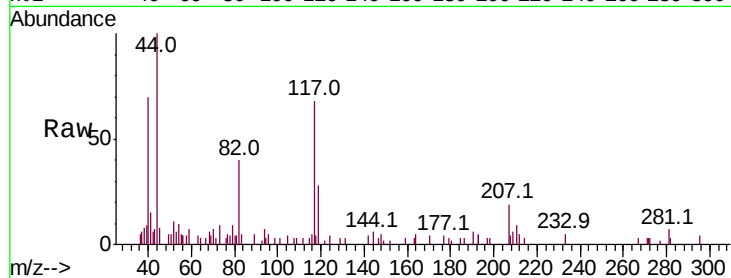




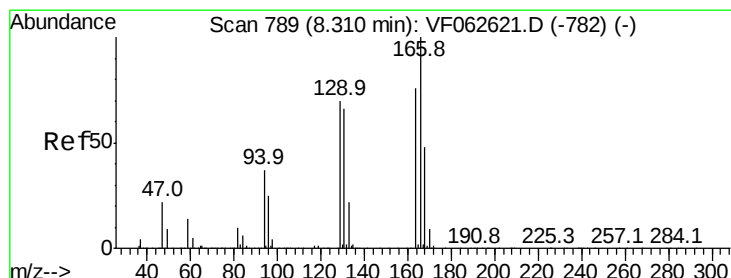
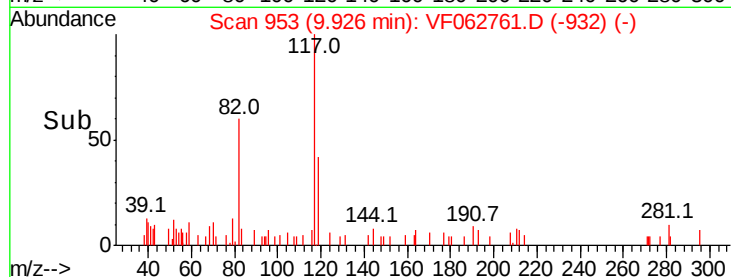
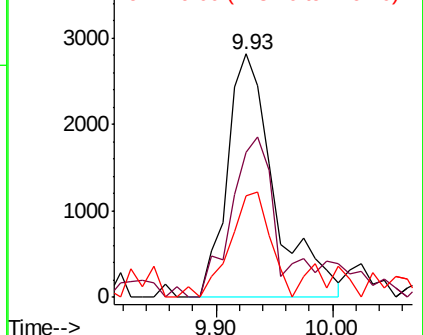
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062761.D
Acq: 28 May 2019 15:34

Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-04-002-ABCD

Tot Ion:117 Resp: 7913
Ion Ratio Lower Upper
117 100
82 59.5 43.3 64.9
119 41.8 27.4 41.0#

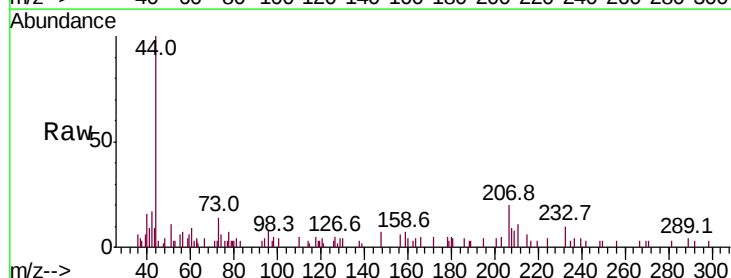


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

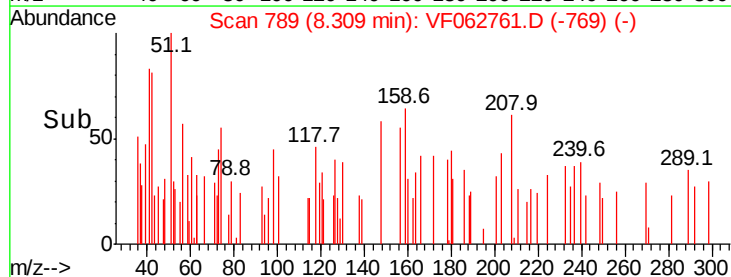
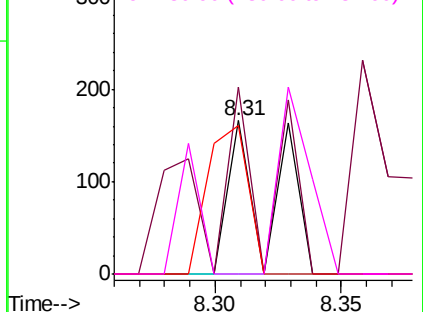


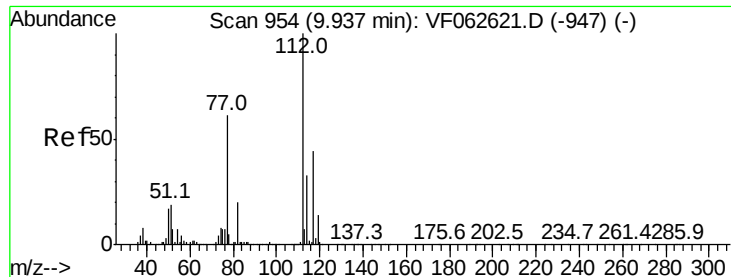
#64
Tetrachloroethene
Concen: 3.111 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062761.D
Acq: 28 May 2019 15:34

Tgt Ion:164 Resp: 195
Ion Ratio Lower Upper
164 100
166 121.7 105.5 158.3
129 97.0 73.8 110.6
131 0.0 69.5 104.3#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 2.670 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

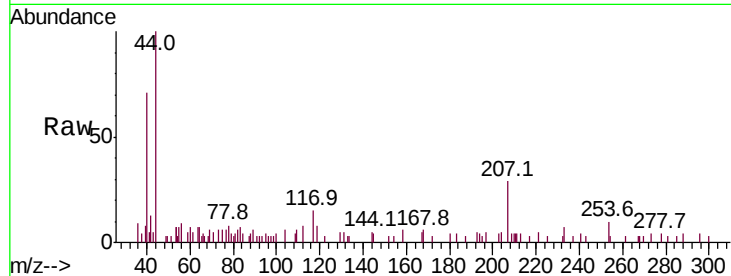
FK-BPM-04-002-ABCD

Tot Ion:112 Resp: 415

Ion Ratio Lower Upper

112 100

114 0.0 26.8 40.2#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.96

300

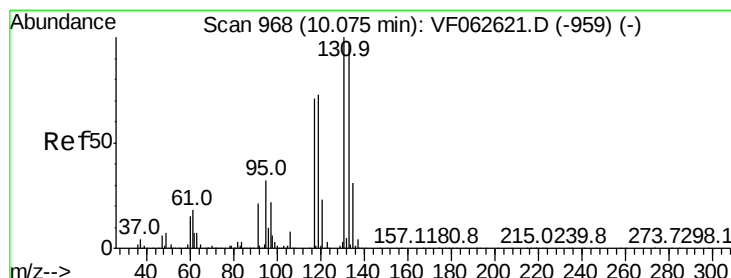
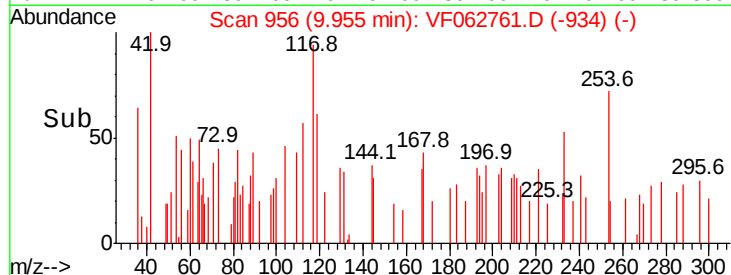
200

100

0

9.95 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 3.718 ug/l

RT: 9.99 min Scan# 960

Delta R.T. -0.08 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

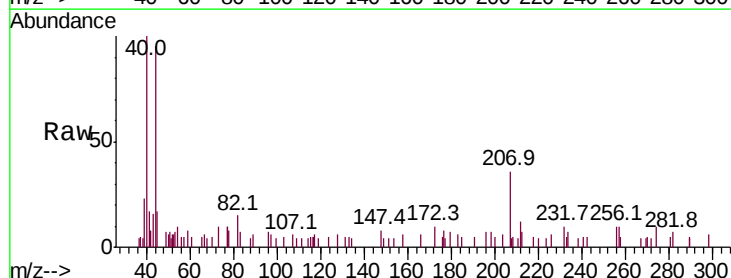
Tgt Ion:131 Resp: 232

Ion Ratio Lower Upper

131 100

133 96.2 48.5 145.5

119 80.3 36.8 110.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

500

400

300

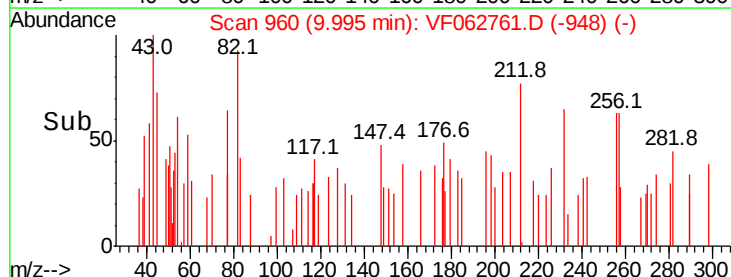
200

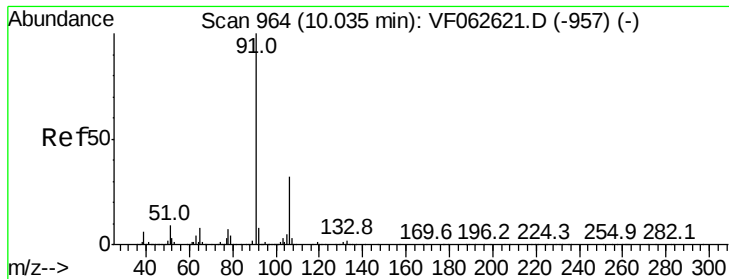
100

0

9.99 10.00 10.05

Time-->





#67

Ethyl Benzene

Concen: 1.367 ug/l

RT: 9.89 min Scan# 949

Delta R.T. -0.15 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

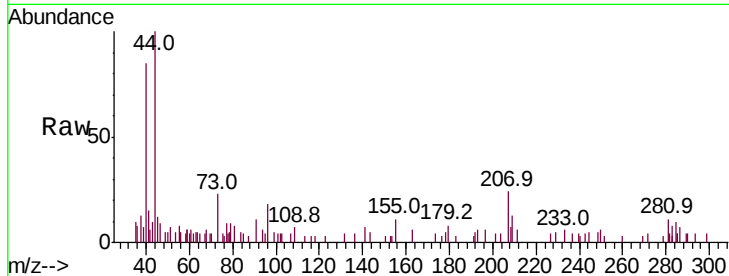
FK-BPM-04-002-ABCD

Tot Ion: 91 Resp: 369

Ion Ratio Lower Upper

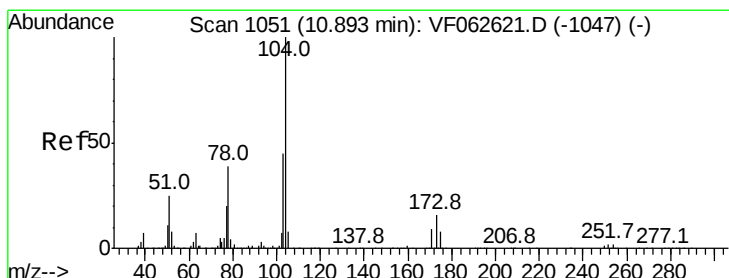
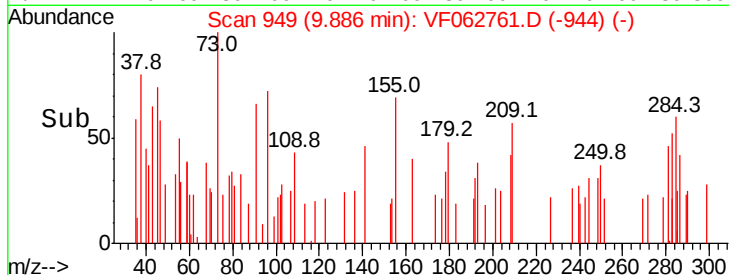
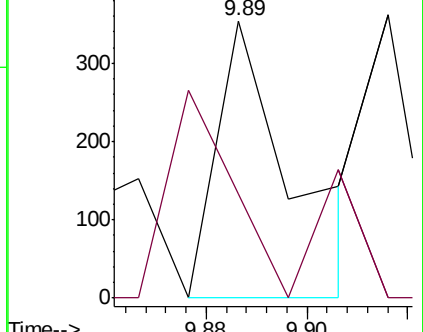
91 100

106 37.6 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#70

Styrene

Concen: 1.215 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

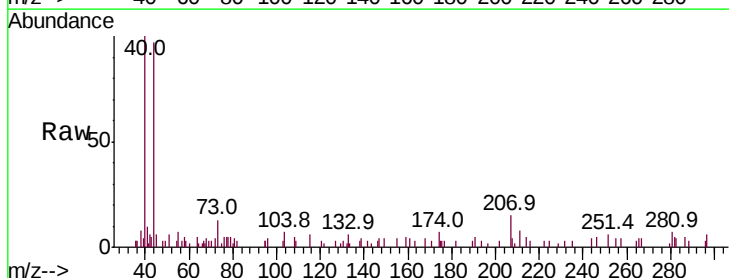
Tgt Ion: 104 Resp: 193

Ion Ratio Lower Upper

104 100

78 74.6 31.9 47.9#

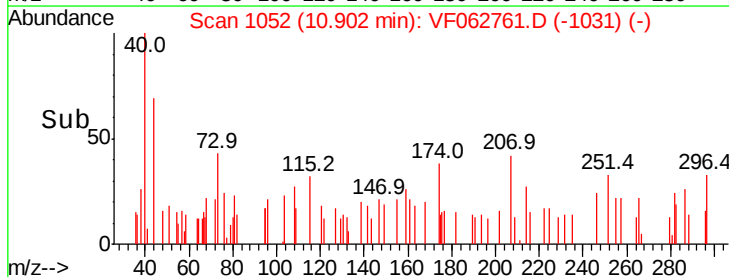
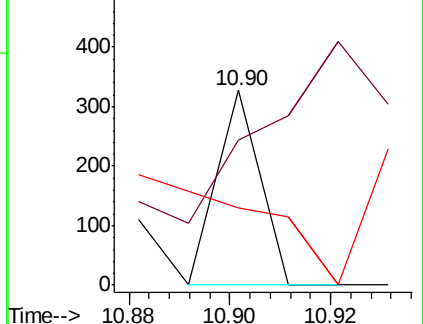
103 40.1 36.1 54.1

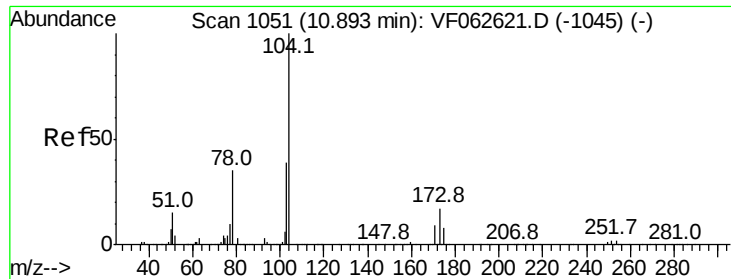


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.656 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

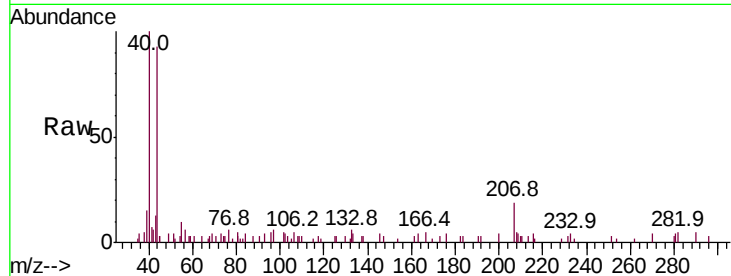
Tot Ion:173 Resp: 83

Ion Ratio Lower Upper

173 100

175 149.3 25.3 75.9#

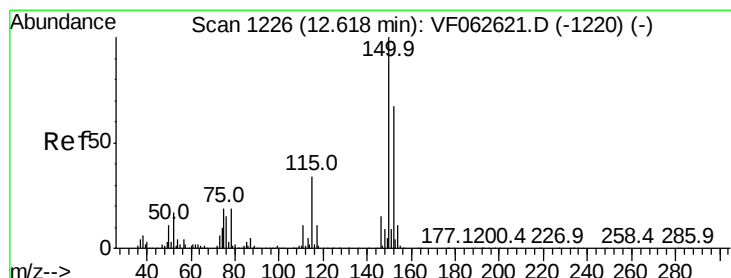
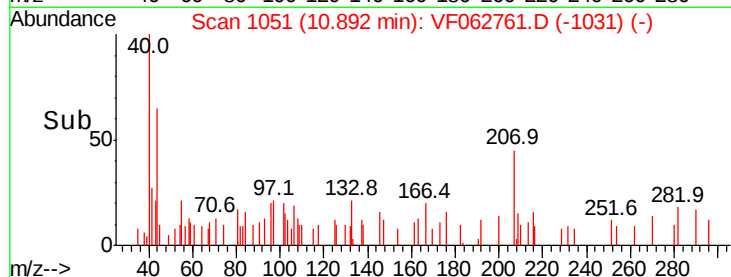
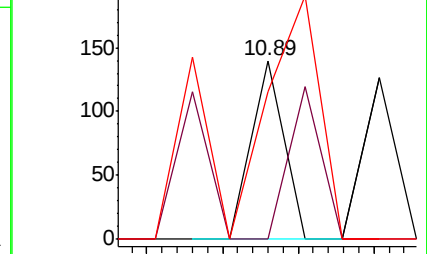
254 82.1 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.68 min Scan# 1232

Delta R.T. 0.06 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

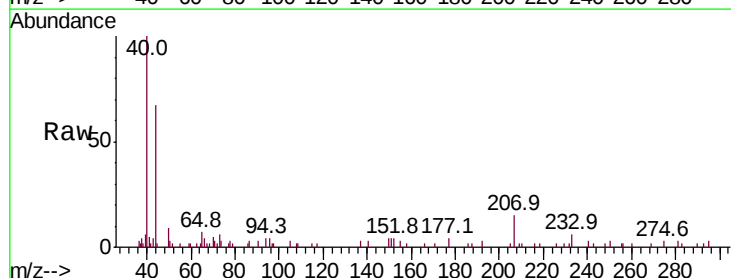
Tgt Ion:152 Resp: 141

Ion Ratio Lower Upper

152 100

115 48.7 25.2 75.6

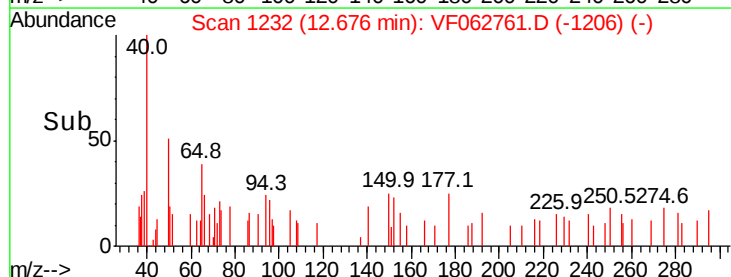
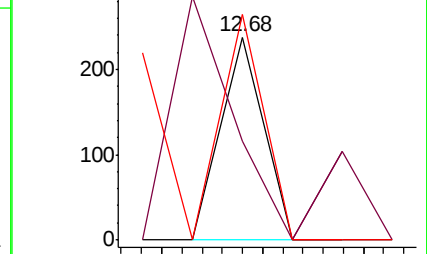
150 110.9 0.0 306.2

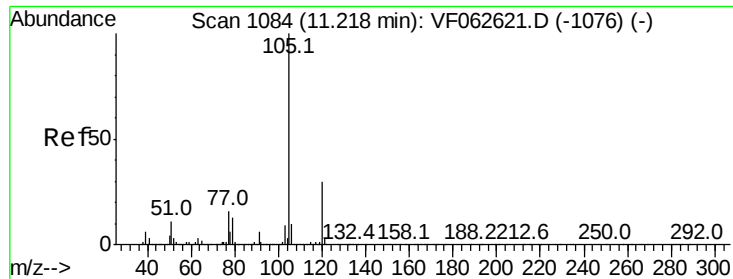


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 34.040 ug/l

RT: 11.36 min Scan# 1098

Delta R.T. 0.14 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

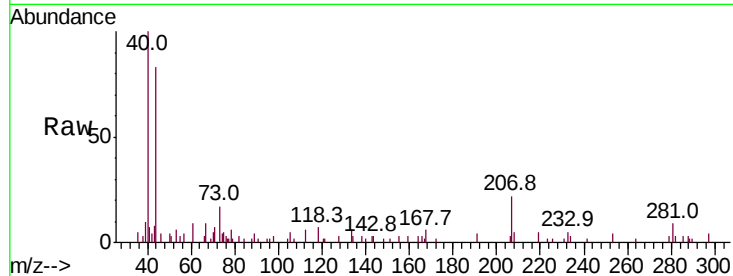
FK-BPM-04-002-ABCD

Tot Ion:105 Resp: 344

Ion Ratio Lower Upper

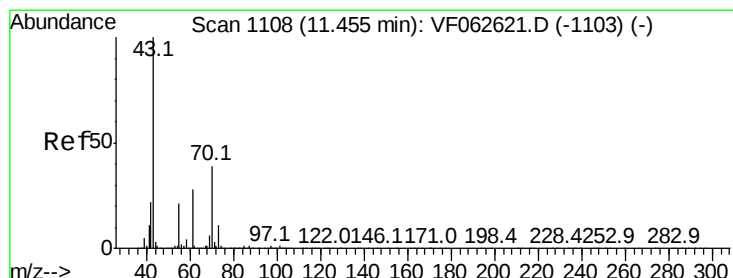
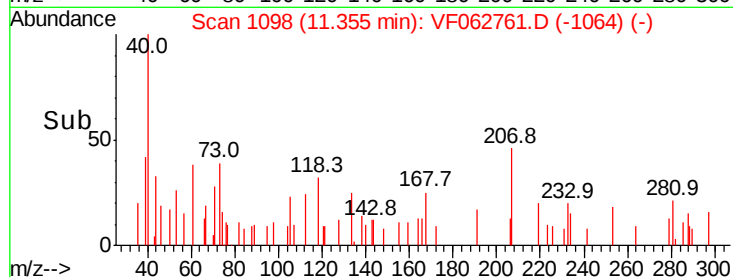
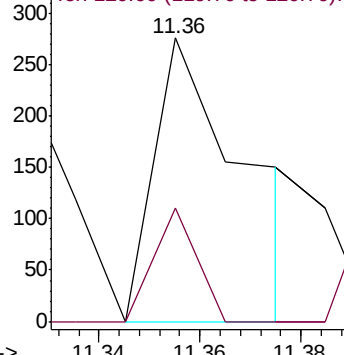
105 100

120 40.2 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 430.354 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion: 43 Resp: 1001

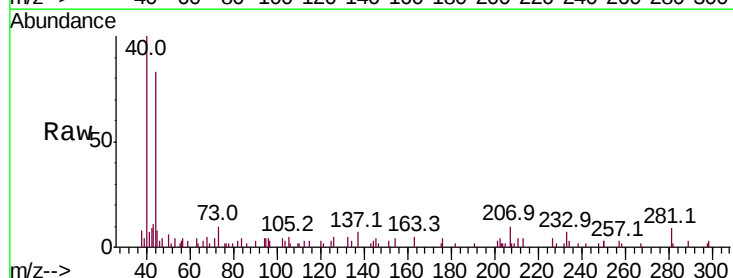
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 18.5 17.0 25.4

61 0.0 22.6 34.0#

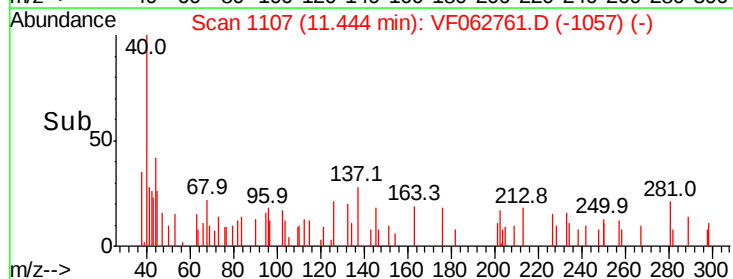
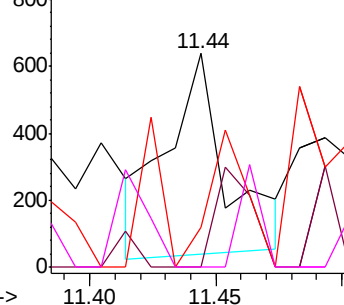


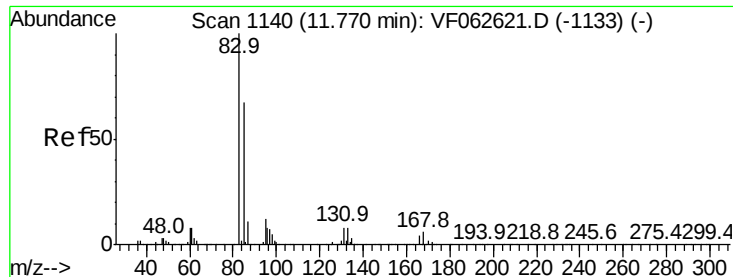
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 108.946 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

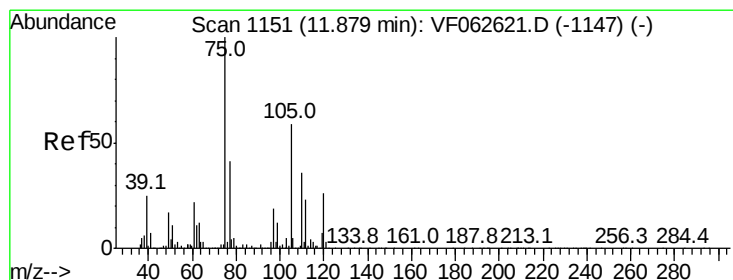
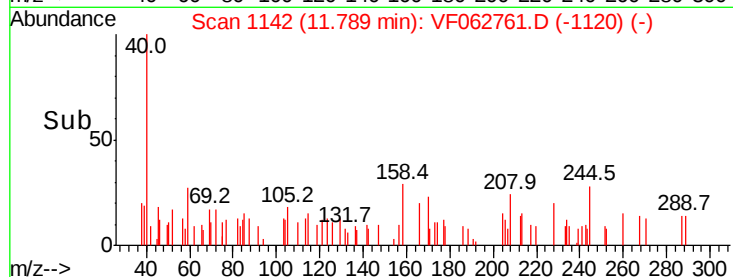
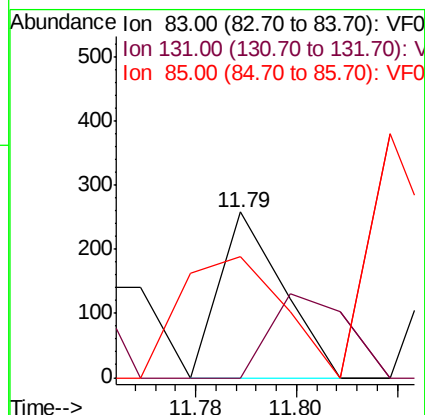
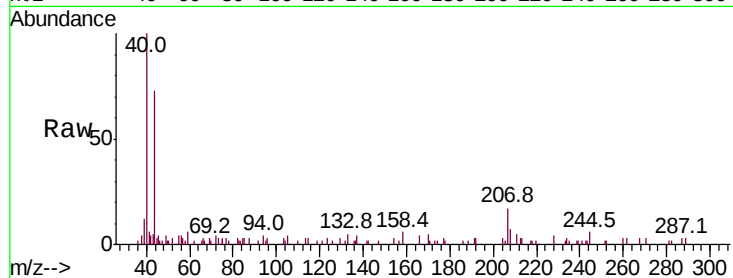
Tot Ion: 83 Resp: 225

Ion Ratio Lower Upper

83 100

131 39.1 4.0 12.0#

85 72.9 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 941.789 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. 0.06 min

Lab File: VF062761.D

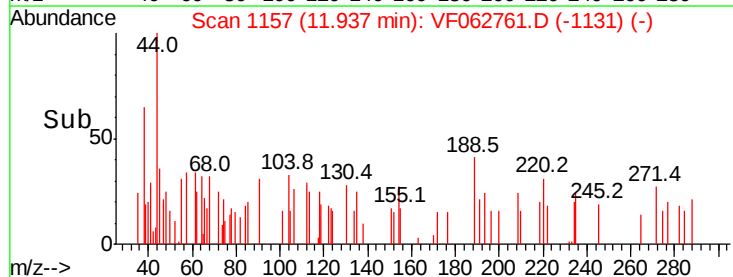
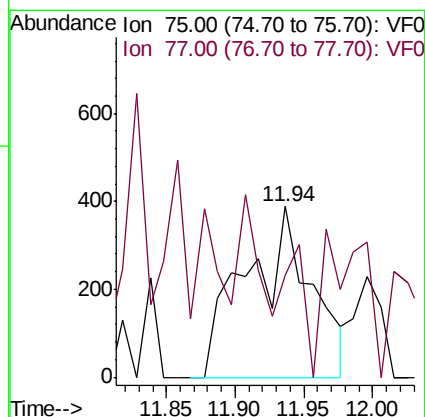
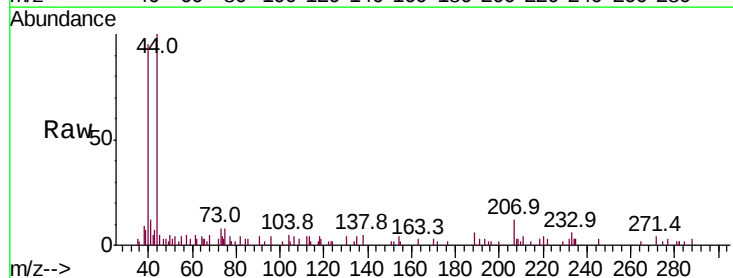
Acq: 28 May 2019 15:34

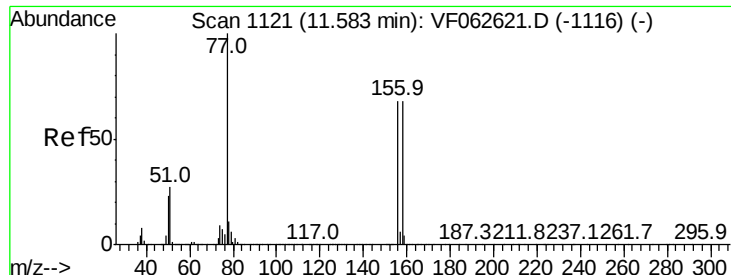
Tgt Ion: 75 Resp: 1278

Ion Ratio Lower Upper

75 100

77 59.5 20.6 61.8





#77

Bromobenzene

Concen: 29.061 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.10 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

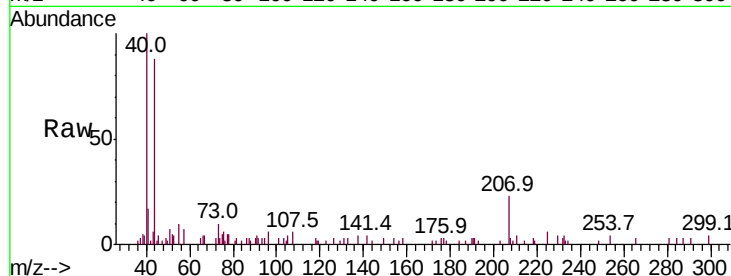
Tot Ion:156 Resp: 73

Ion Ratio Lower Upper

156 100

77 217.9 73.6 220.8

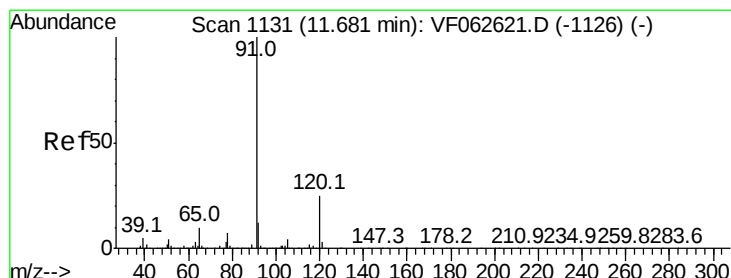
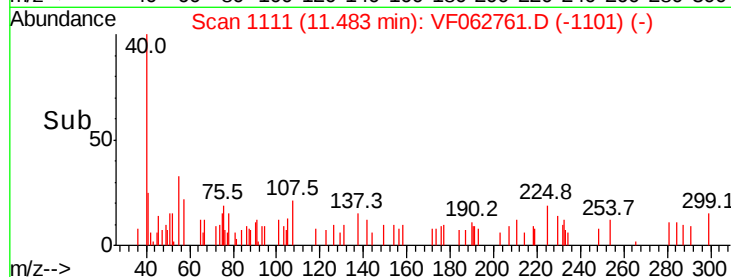
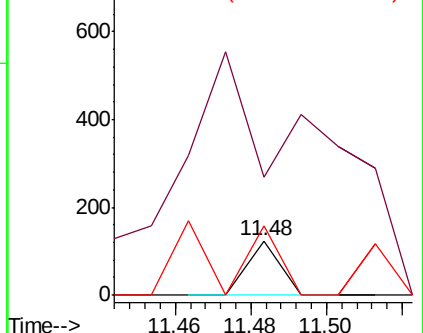
158 129.3 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 39.131 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. -0.12 min

Lab File: VF062761.D

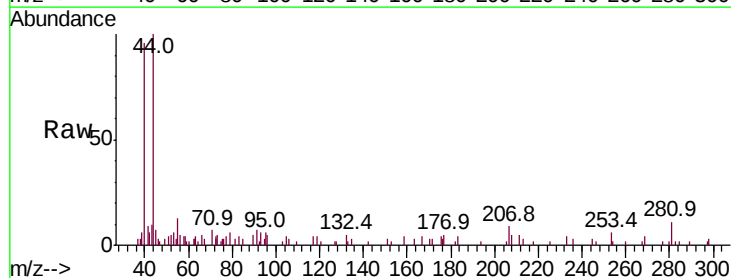
Acq: 28 May 2019 15:34

Tgt Ion: 91 Resp: 468

Ion Ratio Lower Upper

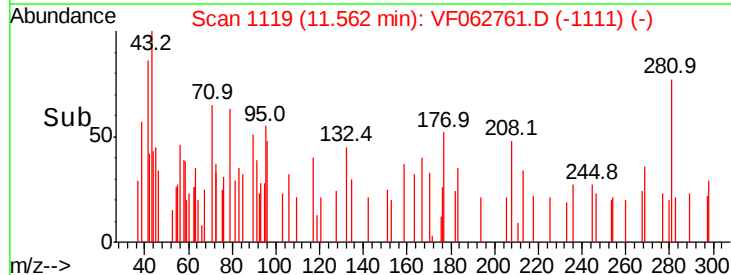
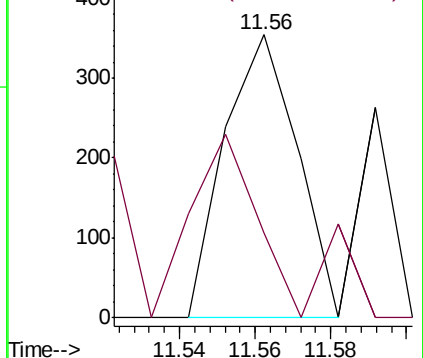
91 100

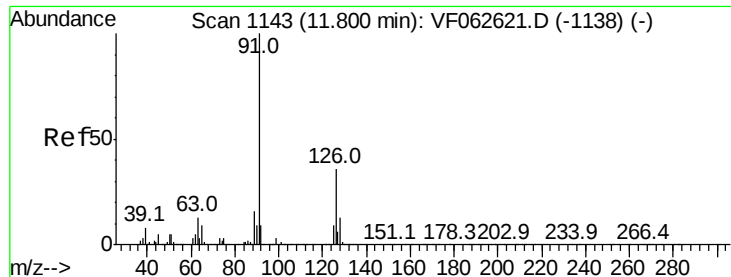
120 29.9 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.696 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

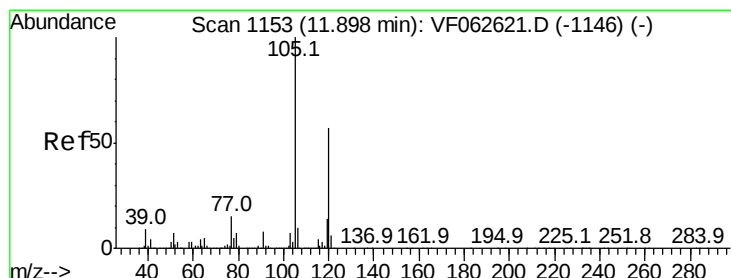
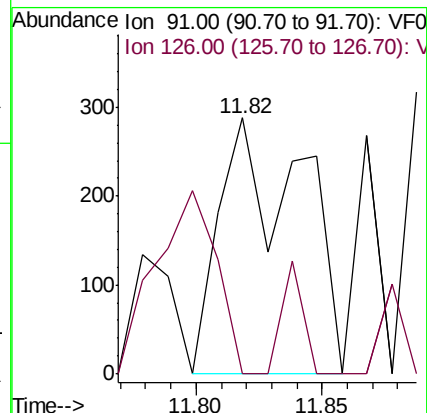
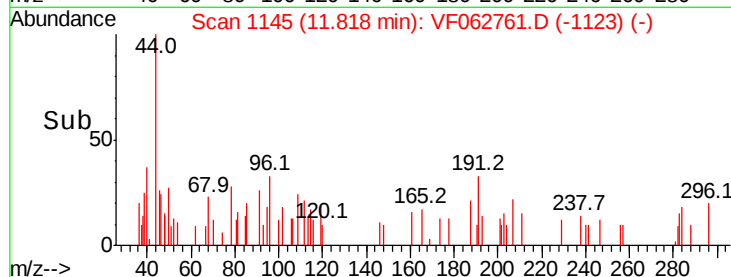
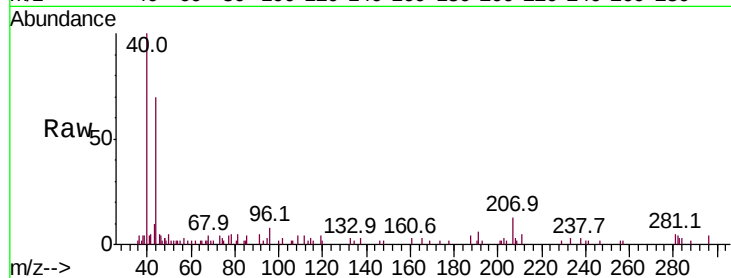
FK-BPM-04-002-ABCD

Tot Ion: 91 Resp: 645

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 37.269 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062761.D

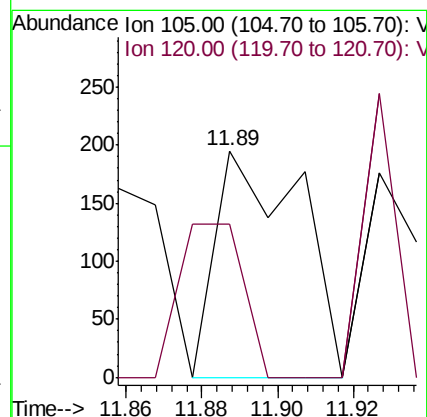
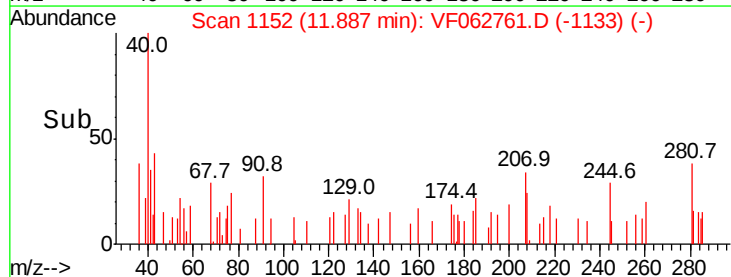
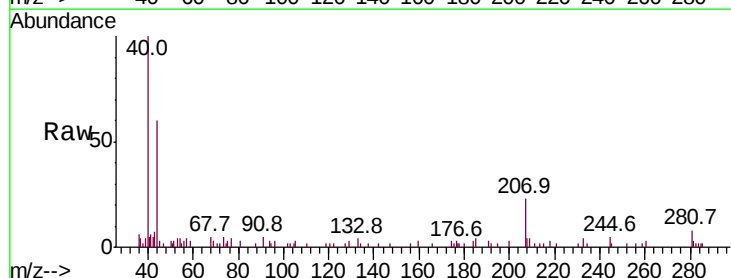
Acq: 28 May 2019 15:34

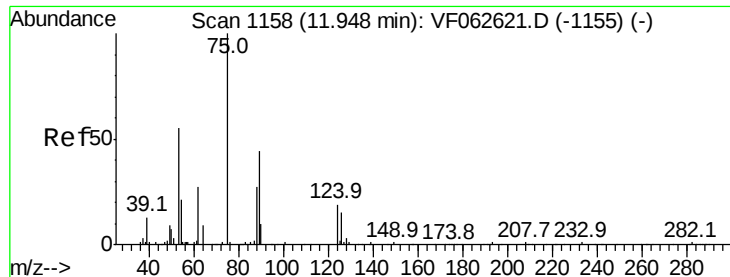
Tgt Ion:105 Resp: 302

Ion Ratio Lower Upper

105 100

120 67.7 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 2118.730 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

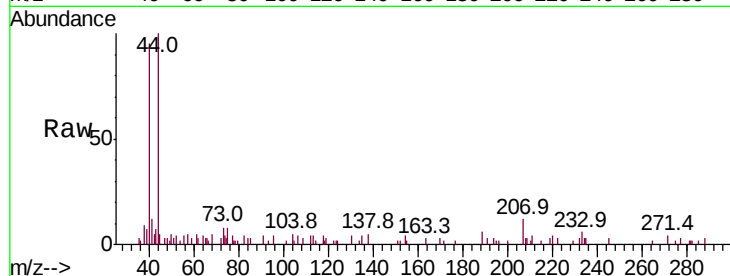
Tot Ion: 75 Resp: 1278

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

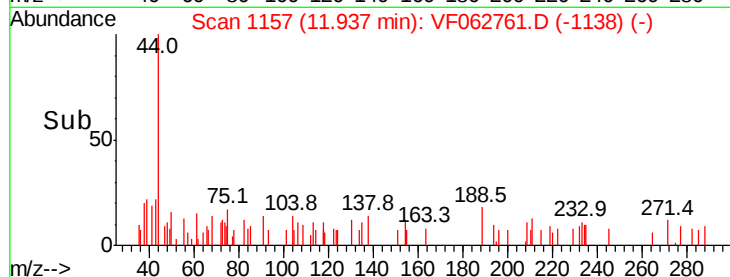
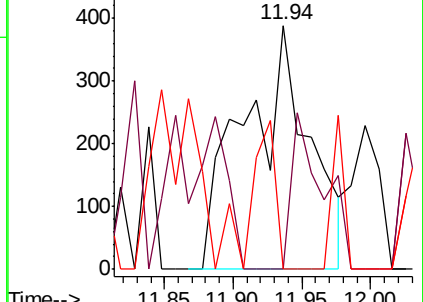
89 0.0 36.4 54.6#



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



#82

4-Chlorotoluene

Concen: 106.971 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.03 min

Lab File: VF062761.D

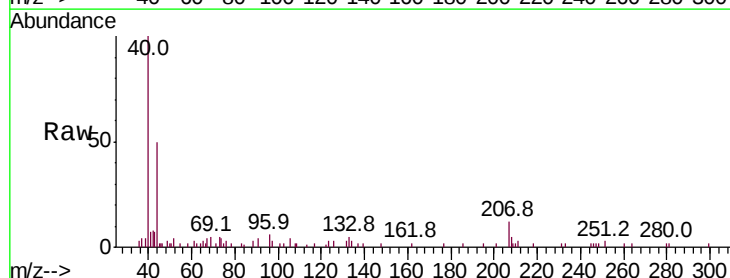
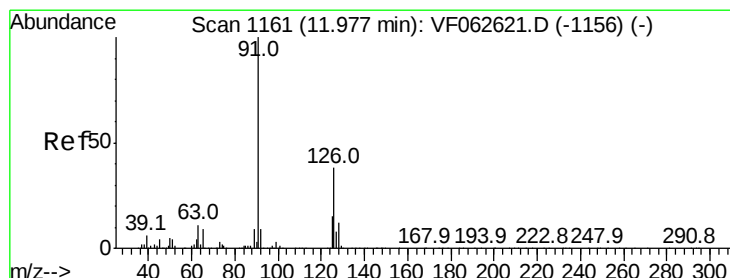
Acq: 28 May 2019 15:34

Tgt Ion: 91 Resp: 711

Ion Ratio Lower Upper

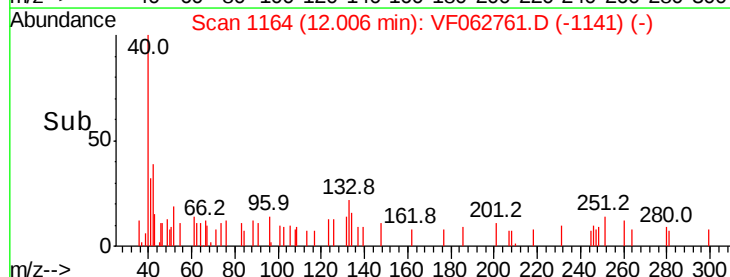
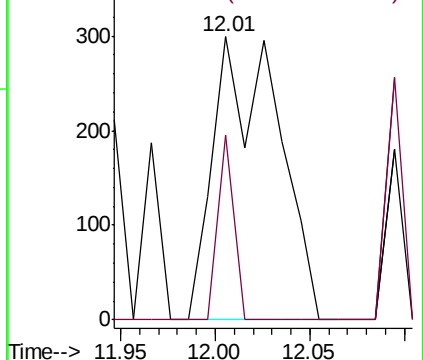
91 100

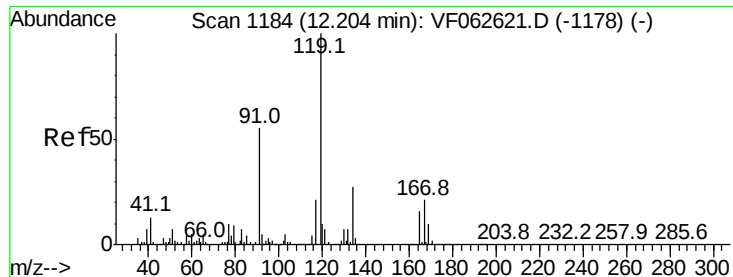
126 65.2 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 28.950 ug/l

RT: 12.23 min Scan# 1187

Delta R.T. 0.03 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

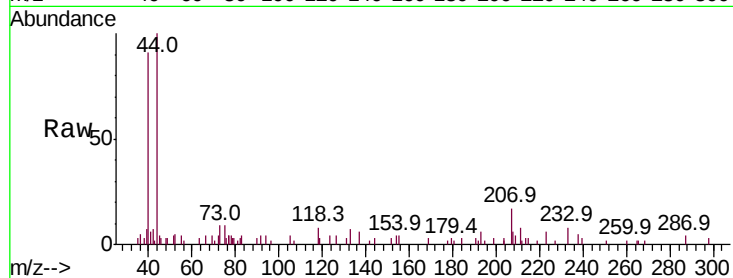
Tot Ion:119 Resp: 238

Ion Ratio Lower Upper

119 100

91 0.0 27.3 81.9#

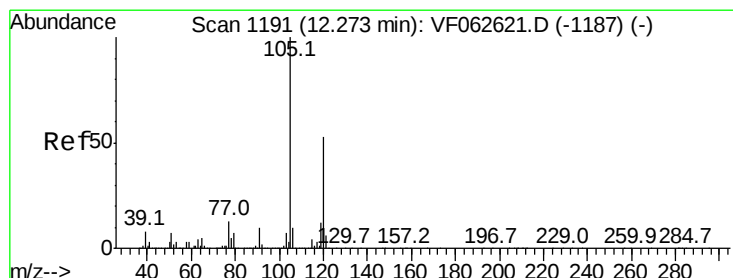
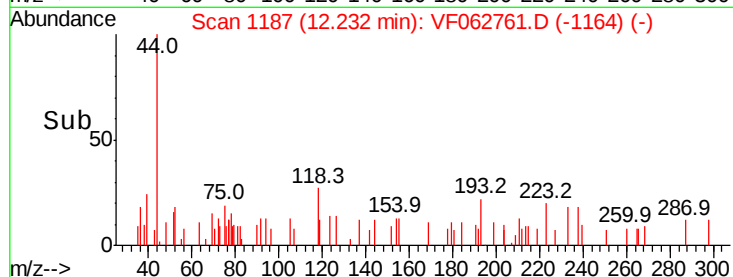
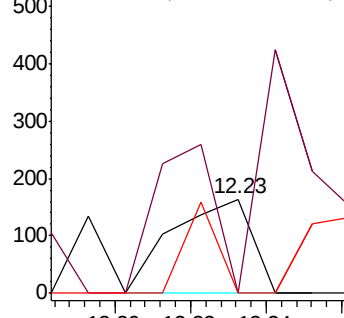
134 0.0 13.6 40.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 43.352 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.09 min

Lab File: VF062761.D

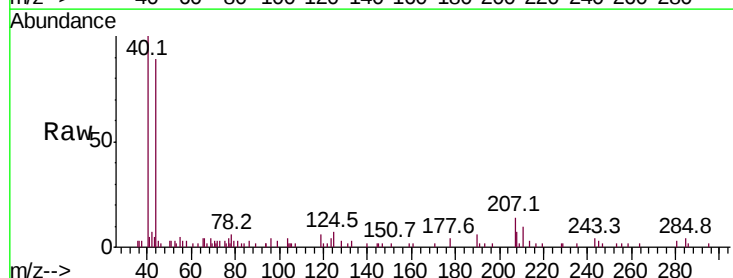
Acq: 28 May 2019 15:34

Tgt Ion:105 Resp: 340

Ion Ratio Lower Upper

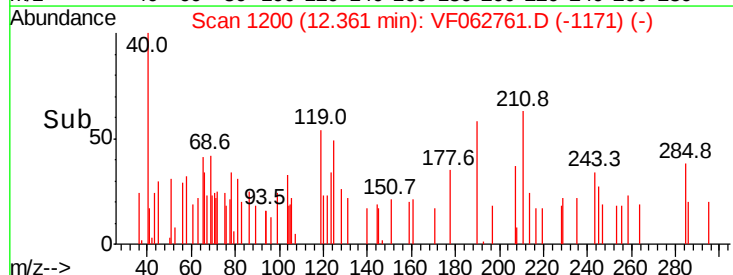
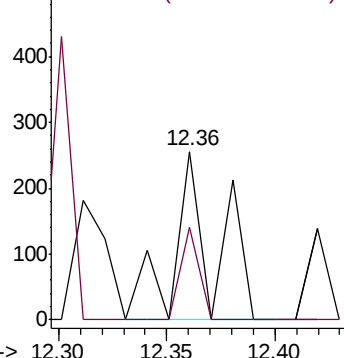
105 100

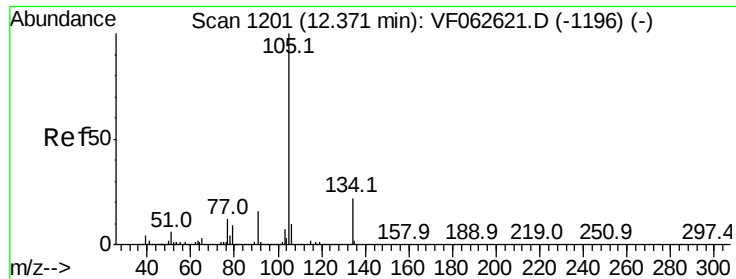
120 55.1 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

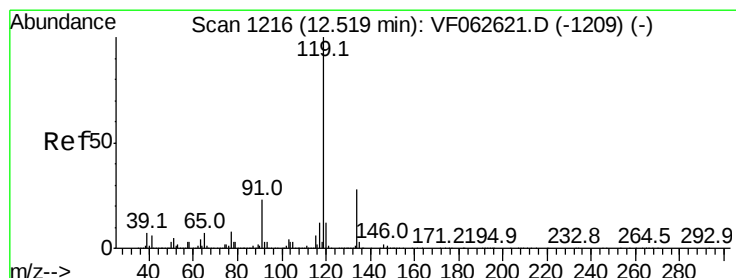
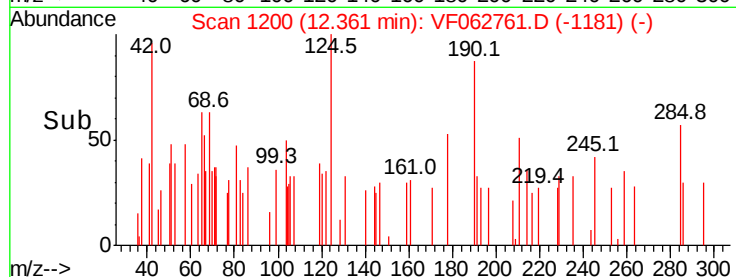
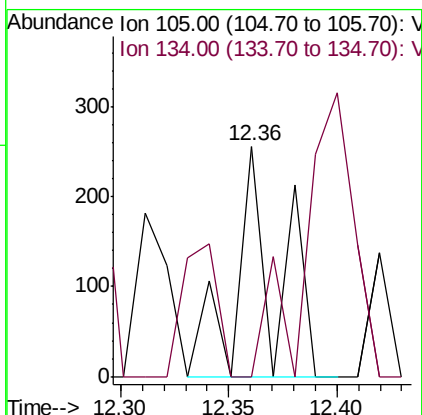
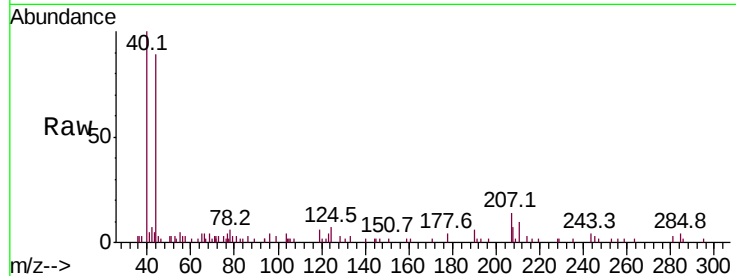




#85
 sec-Butylbenzene
 Concen: 30.817 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

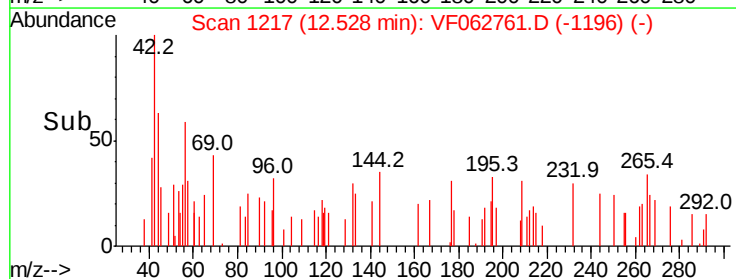
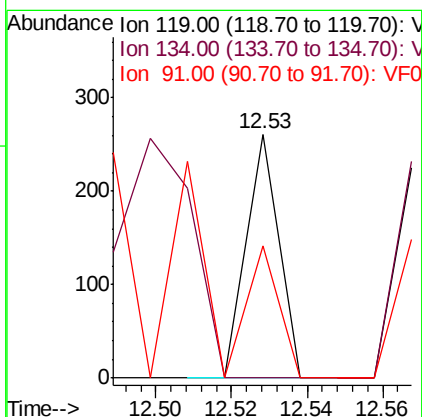
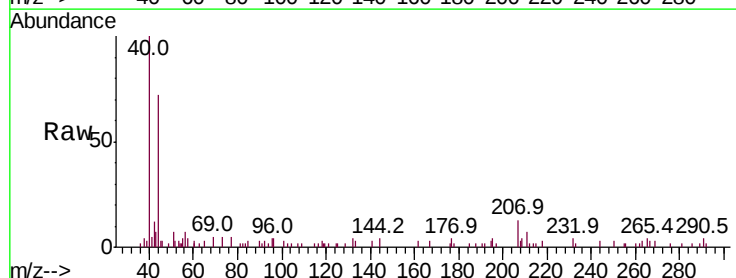
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-04-002-ABCD

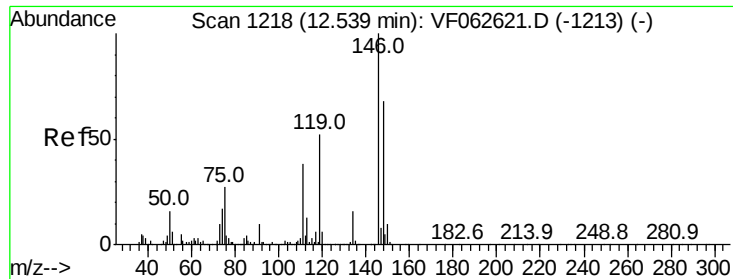
Tot Ion:105 Resp: 340
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 16.563 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062761.D
 Acq: 28 May 2019 15:34

Tgt Ion:119 Resp: 154
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 54.0 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 26.845 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.03 min

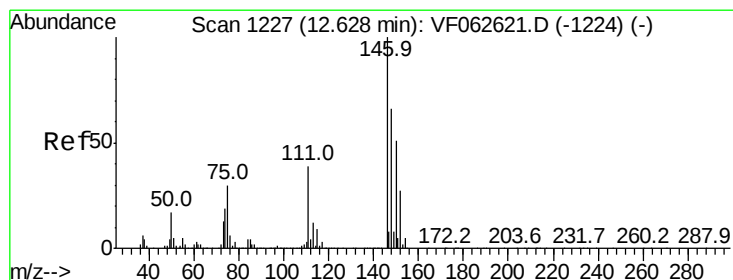
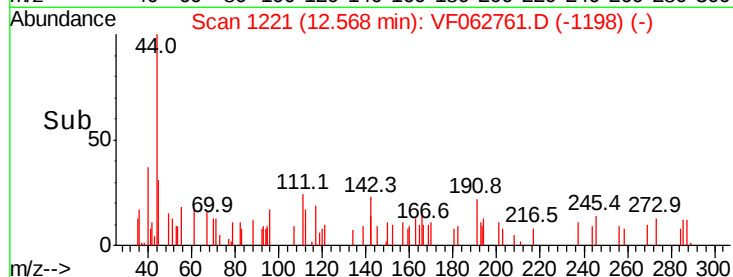
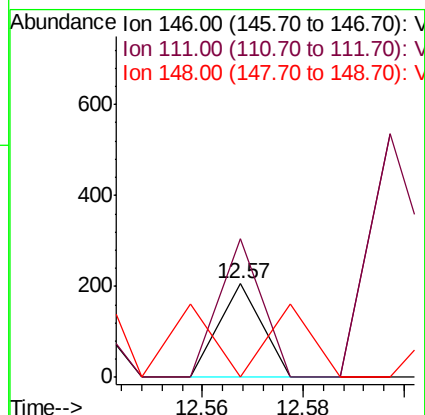
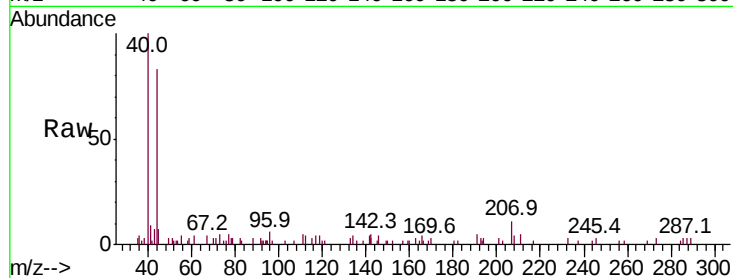
Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-04-002-ABCD

Tot Ion:146 Resp: 122

Ion	Ratio	Lower	Upper
146	100		
111	148.1	18.9	56.9#
148	0.0	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 28.606 ug/l

RT: 12.57 min Scan# 1221

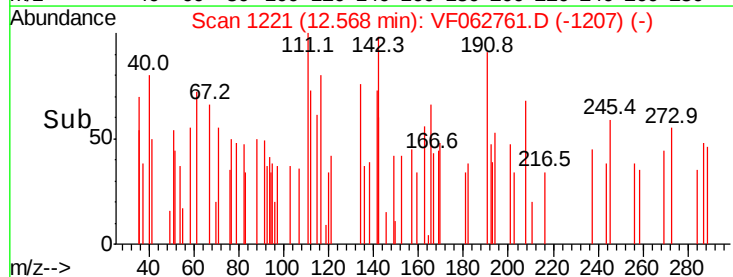
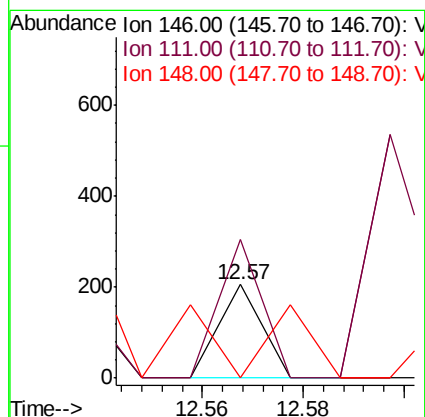
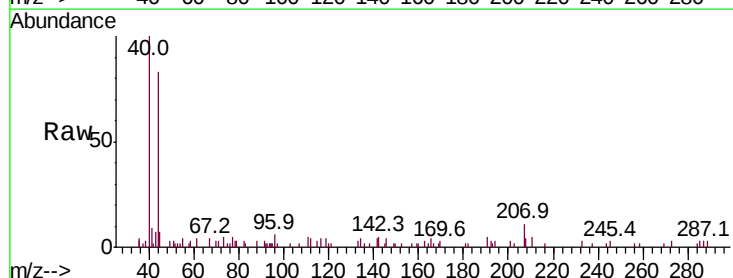
Delta R.T. -0.06 min

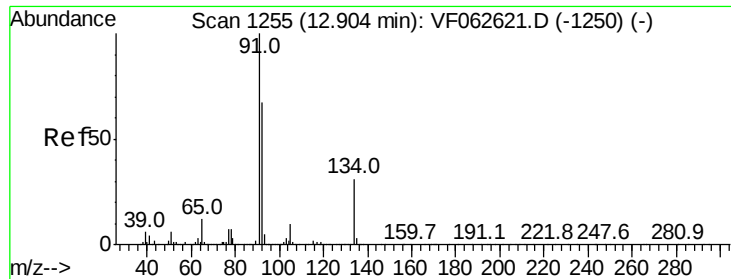
Lab File: VF062761.D

Acq: 28 May 2019 15:34

Tgt Ion:146 Resp: 122

Ion	Ratio	Lower	Upper
146	100		
111	148.1	19.4	58.2#
148	0.0	33.2	99.6#





#89

n-Butylbenzene

Concen: 15.053 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

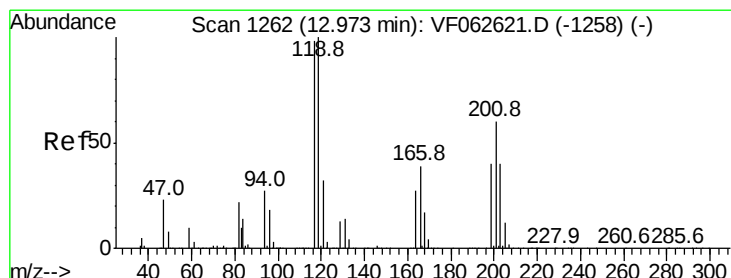
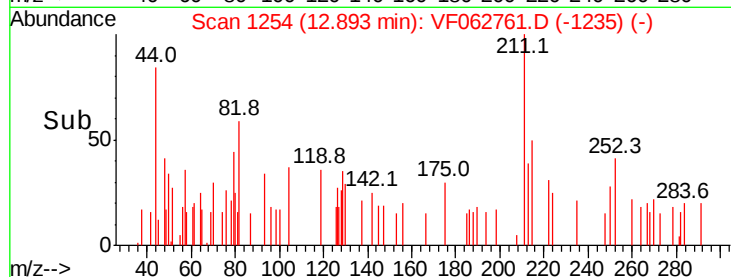
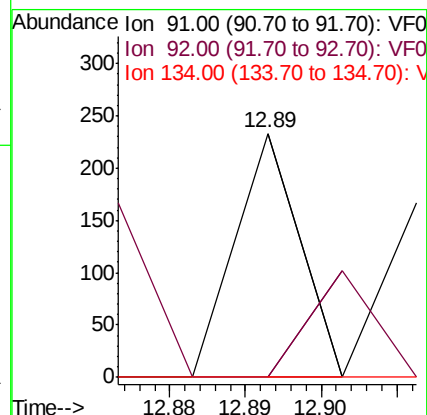
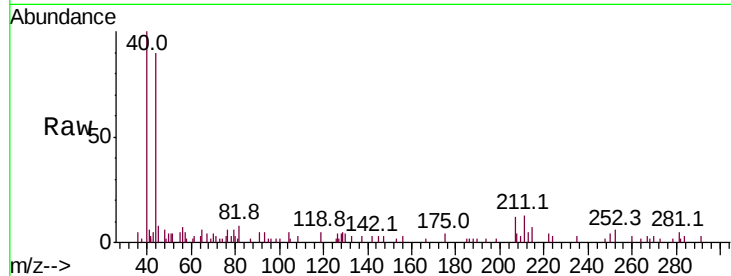
Tot Ion: 91 Resp: 138

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 131.362 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062761.D

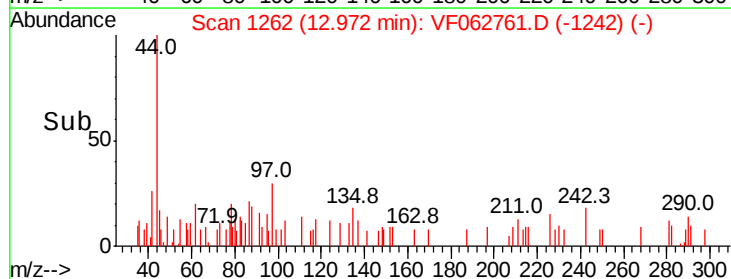
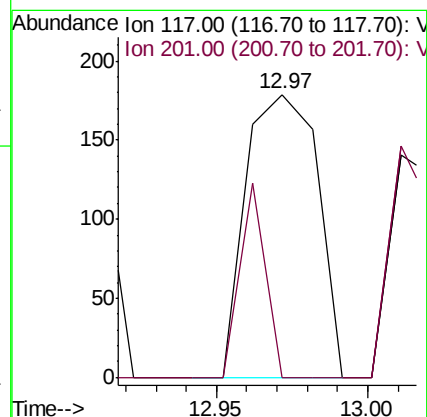
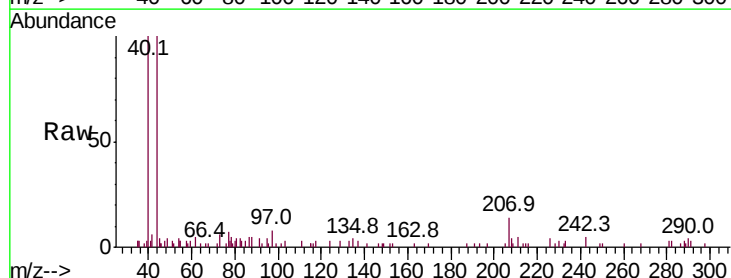
Acq: 28 May 2019 15:34

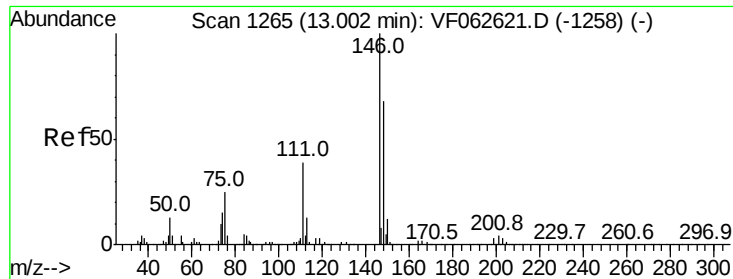
Tgt Ion: 117 Resp: 293

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#





#91

1,2-Dichlorobenzene

Concen: 14.811 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.03 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

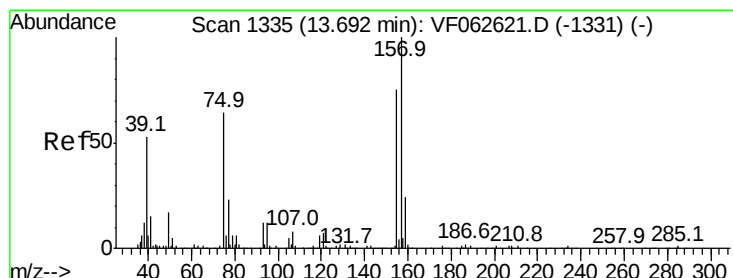
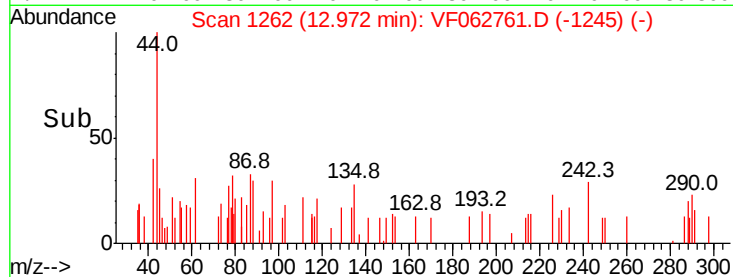
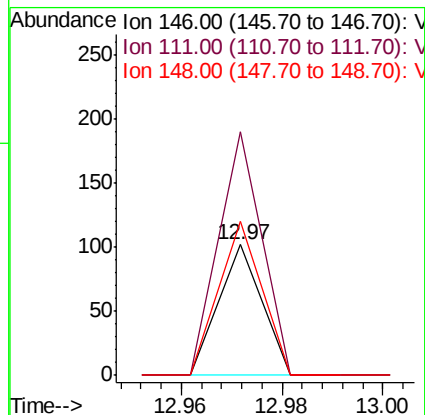
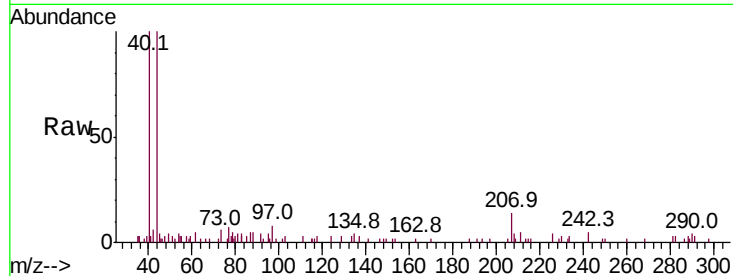
Tot Ion:146 Resp: 60

Ion Ratio Lower Upper

146 100

111 186.3 19.8 59.3#

148 117.6 34.1 102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 446.474 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

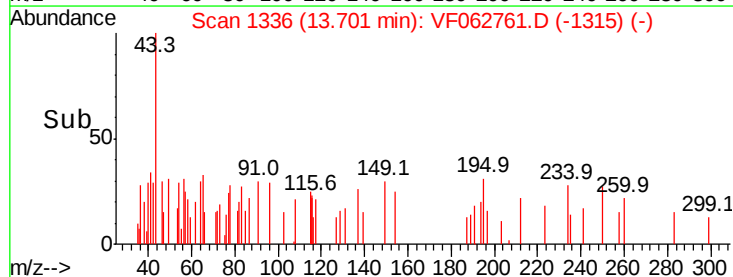
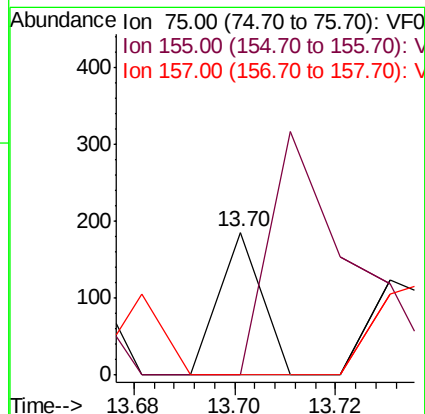
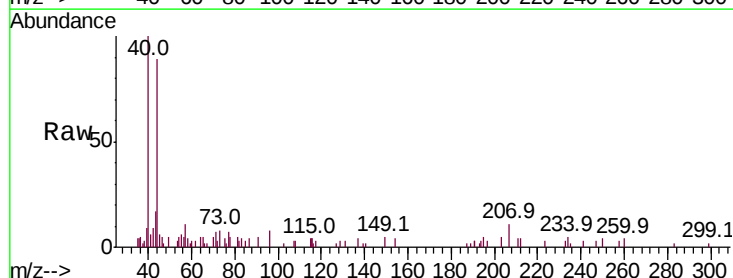
Tgt Ion: 75 Resp: 110

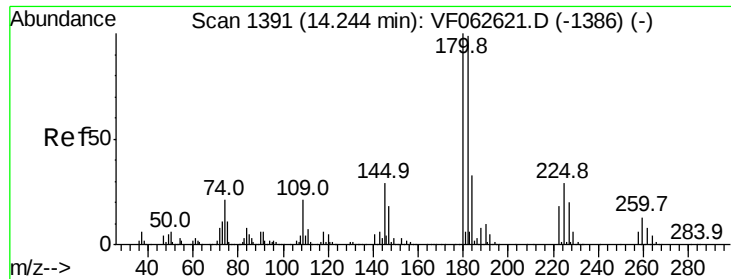
Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 77.8 233.4#





#93

1,2,4-Trichlorobenzene

Concen: 90.008 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

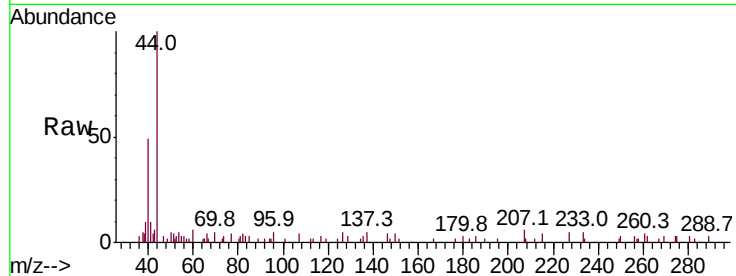
Tot Ion:180 Resp: 261

Ion Ratio Lower Upper

180 100

182 79.2 49.7 149.1

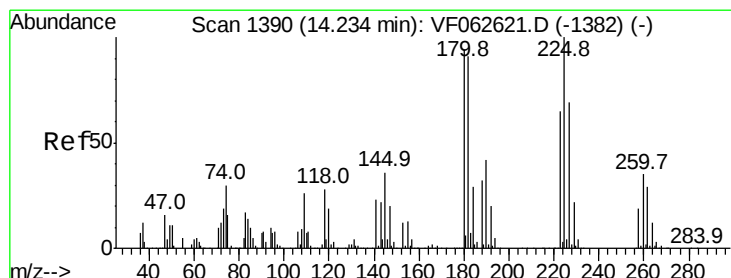
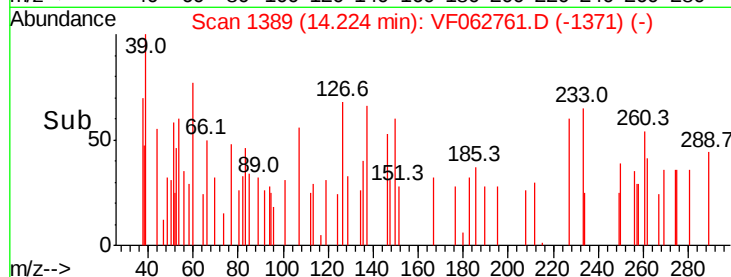
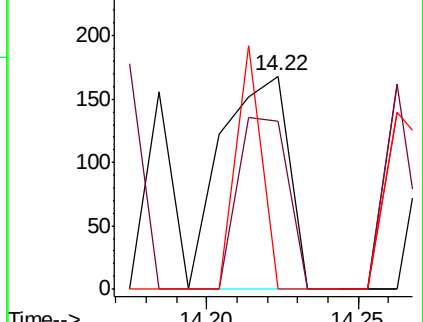
145 0.0 14.6 44.0#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 36.073 ug/l

RT: 14.28 min Scan# 1395

Delta R.T. 0.05 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

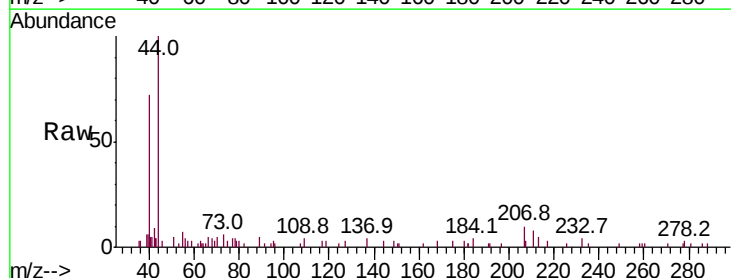
Tgt Ion:225 Resp: 73

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.4#

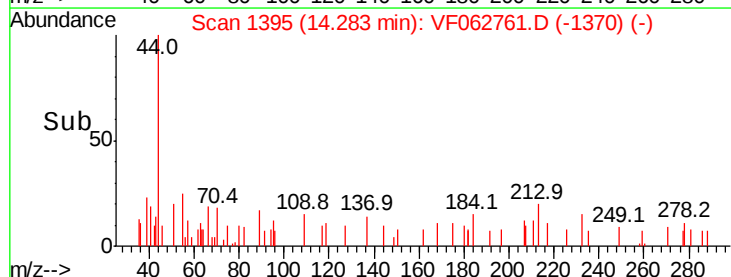
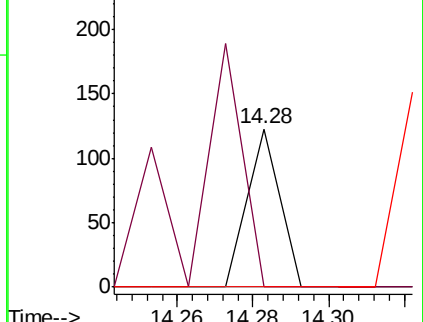
227 0.0 34.5 103.5#

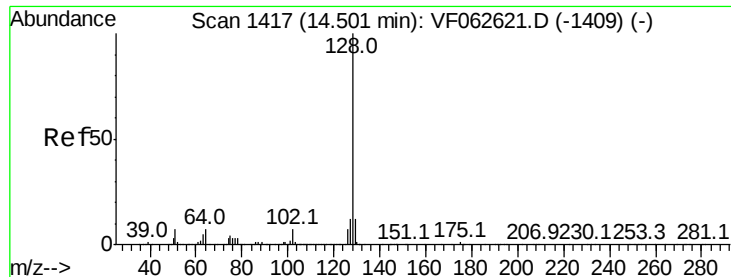


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 41.382 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-04-002-ABCD

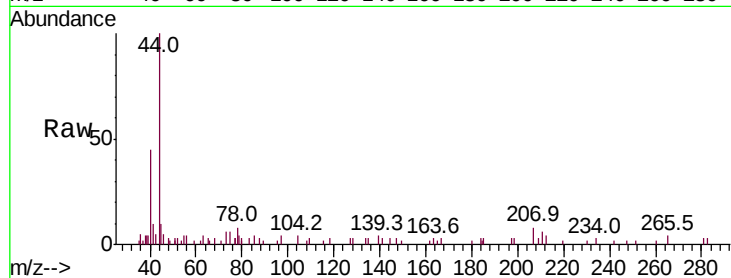
Tot Ion:128 Resp: 218

Ion Ratio Lower Upper

128 100

127 108.6 9.7 14.5#

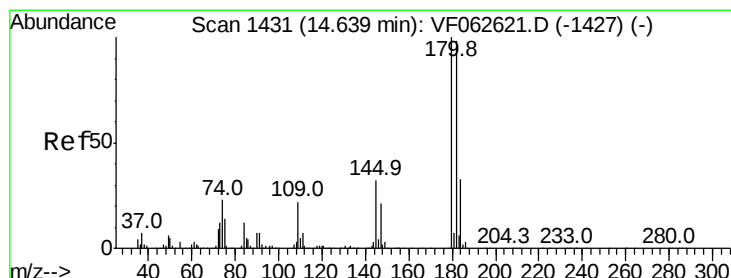
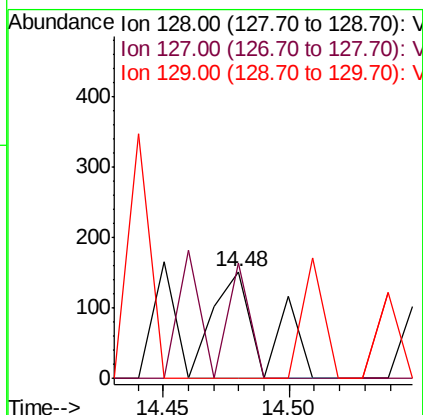
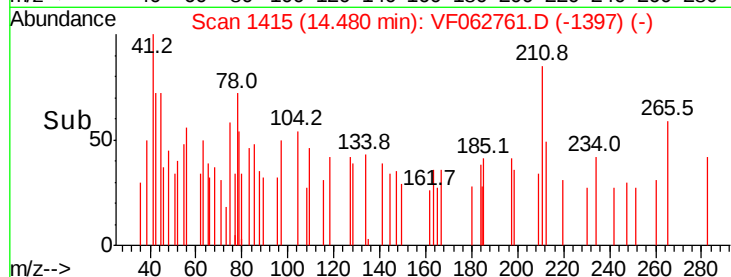
129 0.0 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 32.403 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062761.D

Acq: 28 May 2019 15:34

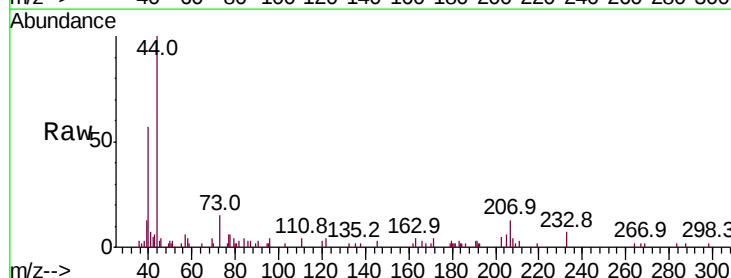
Tgt Ion:180 Resp: 89

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 138.4 16.1 48.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

