

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062231.D
 Acq On : 19 Apr 2019 18:10
 Operator : FY/SY
 Sample : K2417-02RE
 Misc : 4.74g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-PS-01-045RE

Quant Time: Apr 19 23:02:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	397620	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	544506	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	208325	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	144372	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	180838	49.60	ug/l	0.03
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	4.31	113	244740	51.38	ug/l	0.02
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	7.72	98	148783	12.34	ug/l	0.02
Spiked Amount			Recovery	=	24.68%	
62) 4-Bromofluorobenzene	11.50	95	160970	34.71	ug/l	0.02
Spiked Amount			Recovery	=	69.42%	

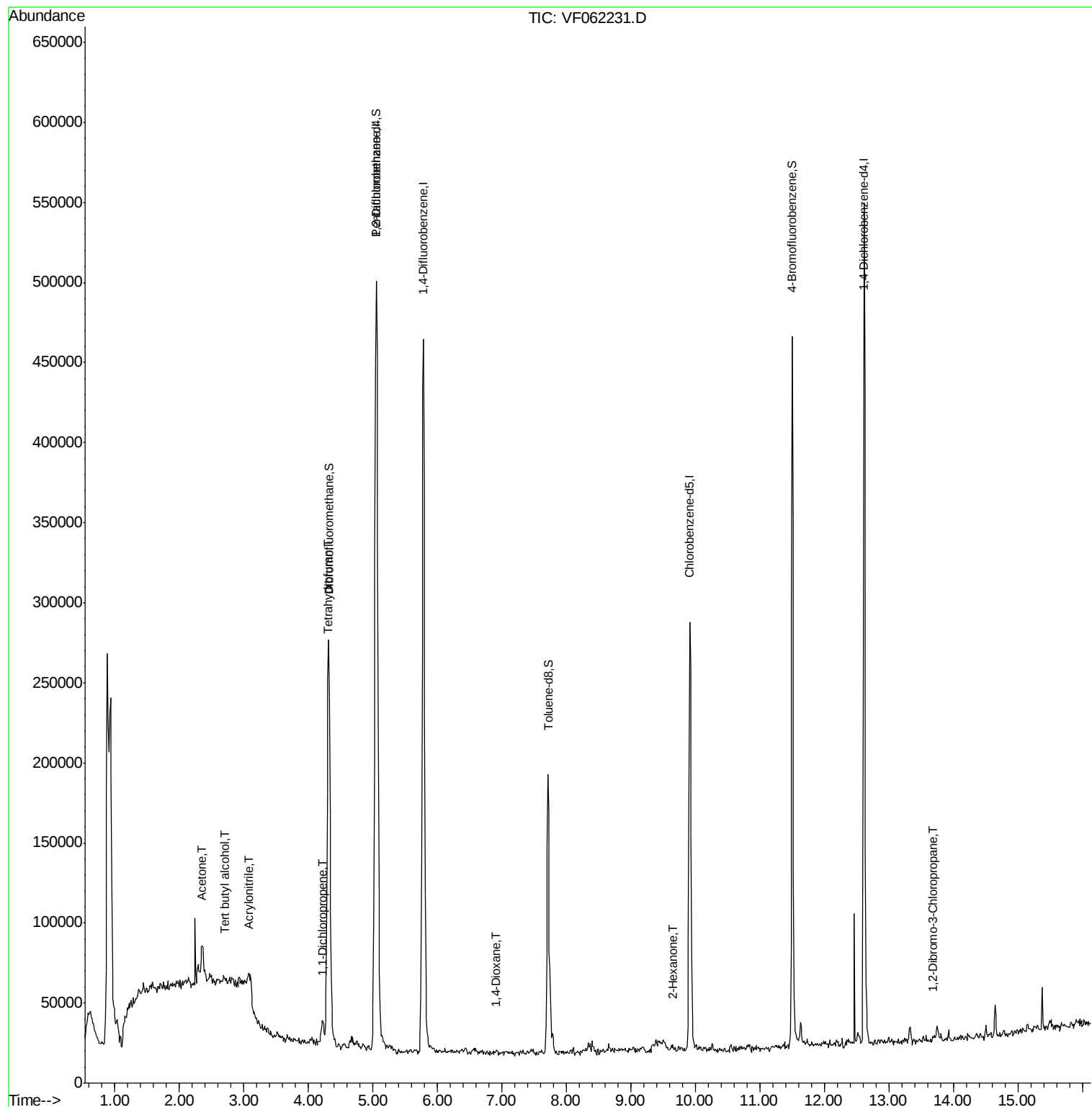
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1868	7.371	ug/l #	1
13) Acrolein	2.11	56	185	Below Cal	#	14
15) Acrylonitrile	3.07	53	812	1.052	ug/l #	45
16) Acetone	2.35	43	11325	12.995	ug/l #	85
18) Methyl Acetate	2.47	43	6871	Below Cal		95
20) Methylene Chloride	2.34	84	15369	Below Cal		92
29) Tetrahydrofuran	4.29	42	1349	1.710	ug/l #	88
36) 1,1-Dichloropropene	4.22	75	31906	4.887	ug/l #	42
49) 1,4-Dioxane	6.90	88	60	2.457	ug/l #	1
59) 2-Hexanone	9.64	43	6455	4.430	ug/l #	49
74) N-amyl acetate	11.46	43	4838	Below Cal	#	48
89) n-Butylbenzene	12.90	91	2343	Below Cal	#	68
92) 1,2-Dibromo-3-Chloropropan	13.68	75	448	1.069	ug/l #	7

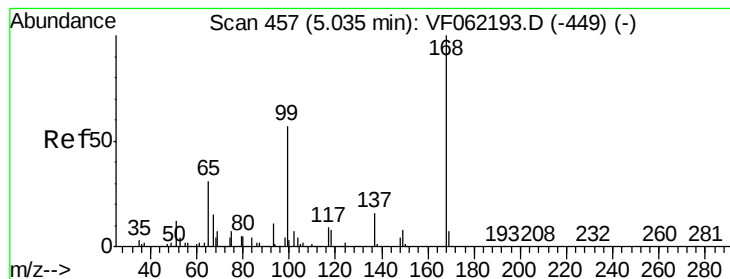
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

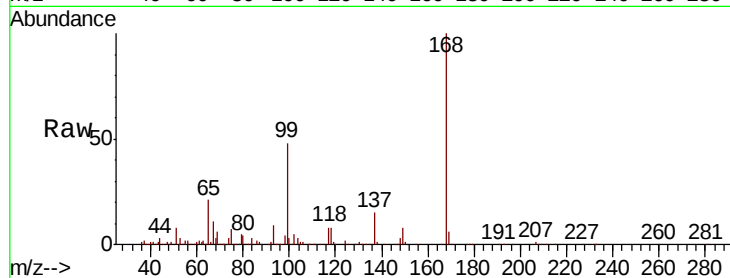
FK-PS-01-045RE

Tot Ion:168 Resp: 397620

Ion Ratio Lower Upper

168 100

99 47.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

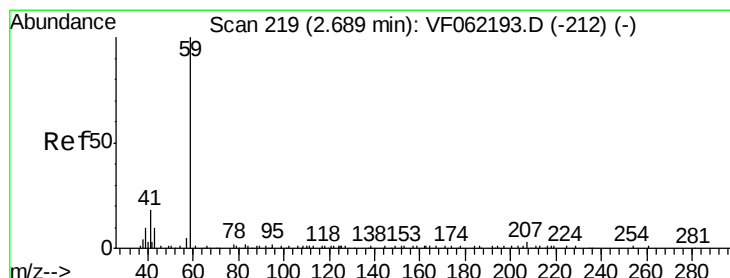
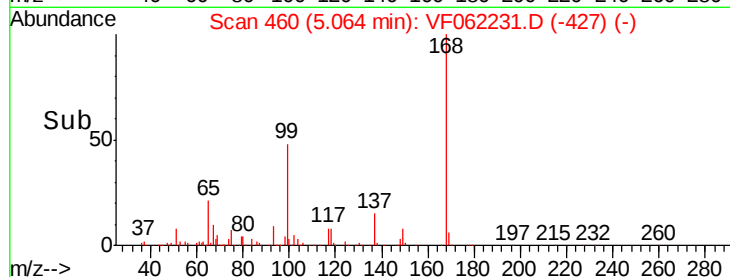
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 7.371 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF062231.D

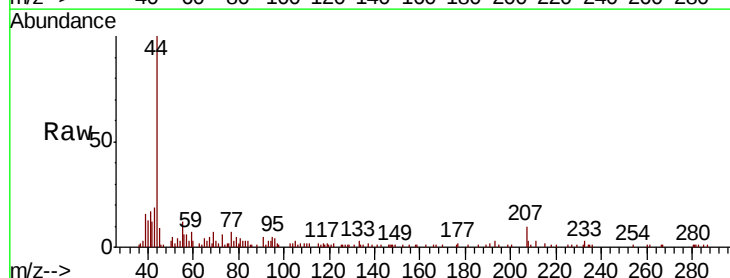
Acq: 19 Apr 2019 18:10

Tgt Ion: 59 Resp: 1868

Ion Ratio Lower Upper

59 100

57 50.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

600

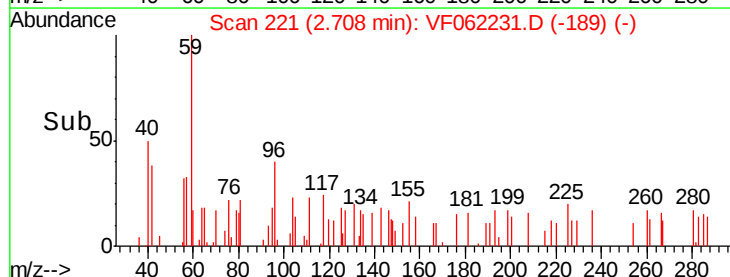
400

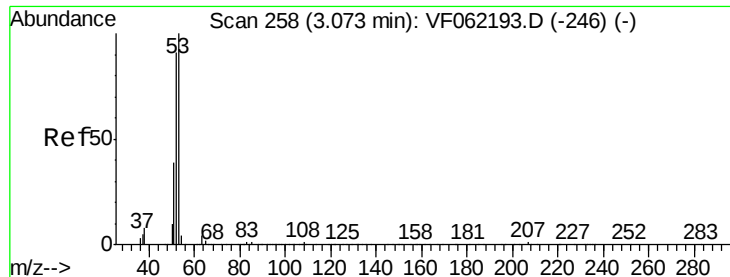
200

0

Time-->

2.65 2.70 2.75





#15

Acrylonitrile

Concen: 1.052 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Instrument :

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ClientSampleId :

FK-PS-01-045RE

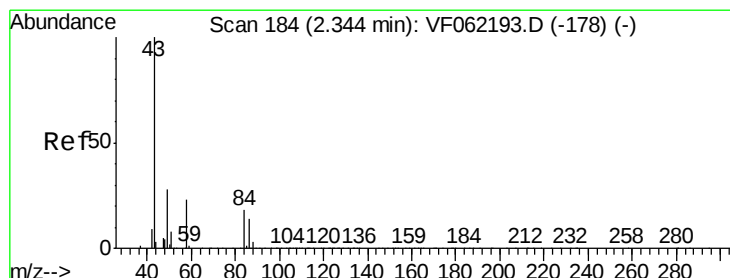
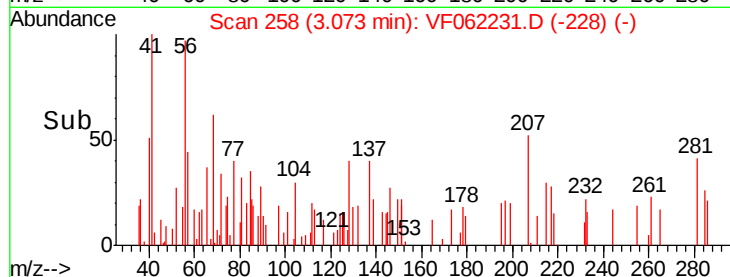
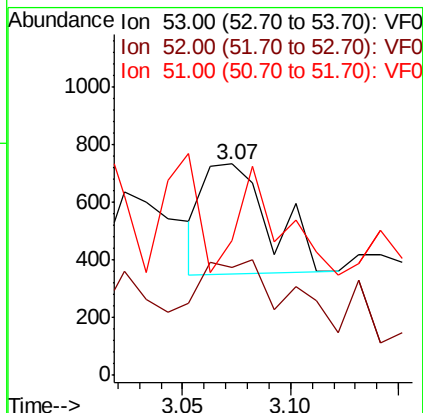
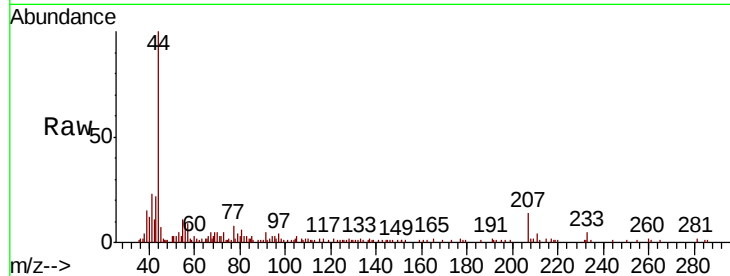
Tot Ion: 53 Resp: 812

Ion Ratio Lower Upper

53 100

52 129.9 69.5 104.3#

51 84.5 31.8 47.8#



#16

Acetone

Concen: 12.995 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062231.D

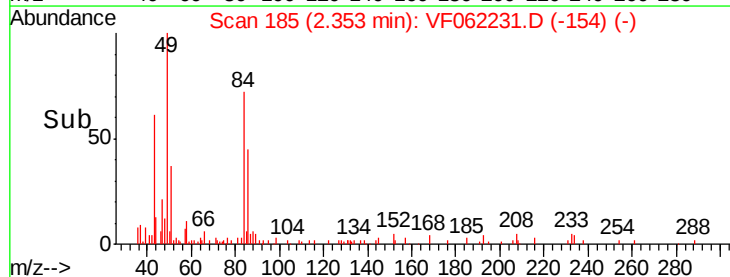
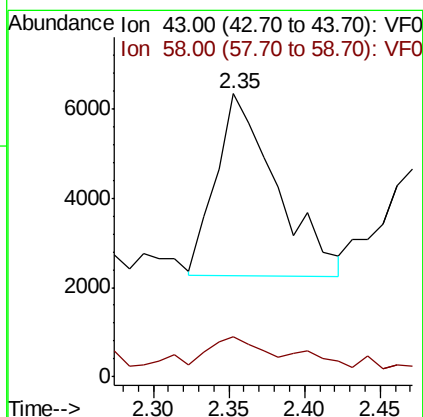
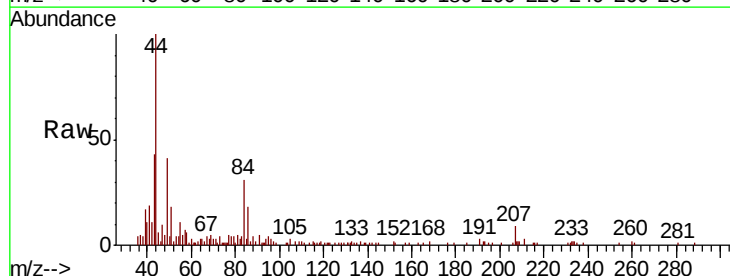
Acq: 19 Apr 2019 18:10

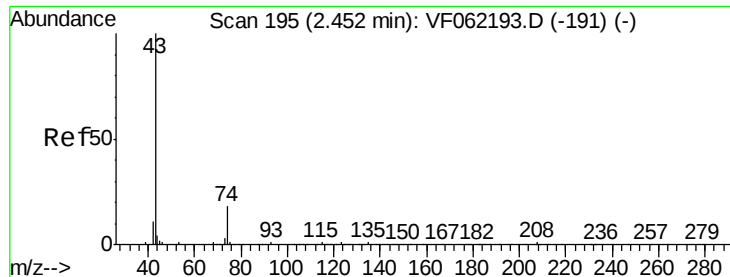
Tgt Ion: 43 Resp: 11325

Ion Ratio Lower Upper

43 100

58 16.0 18.8 28.2#

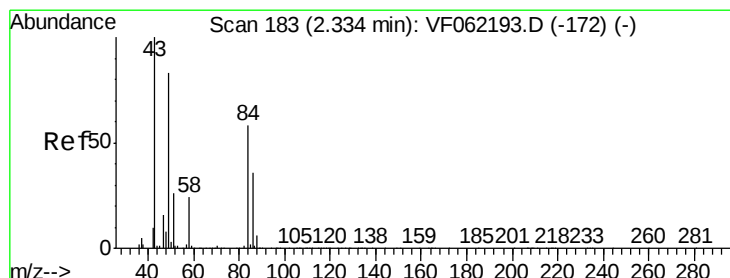
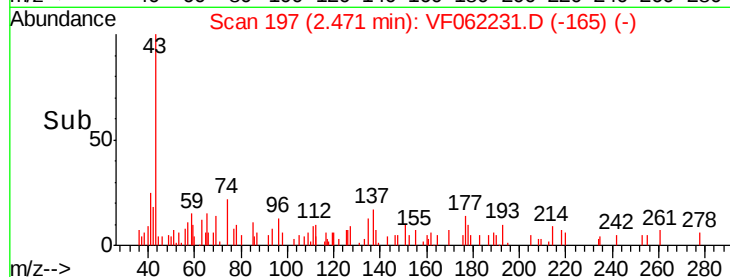
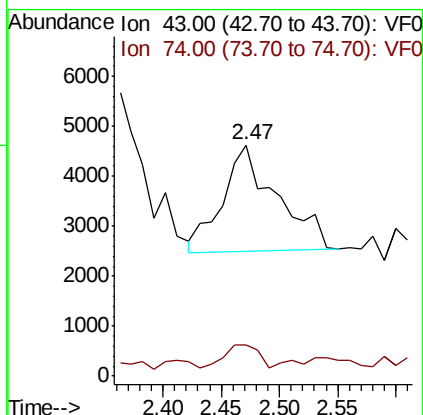
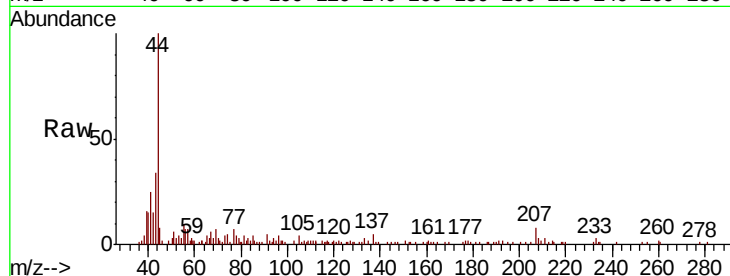




#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

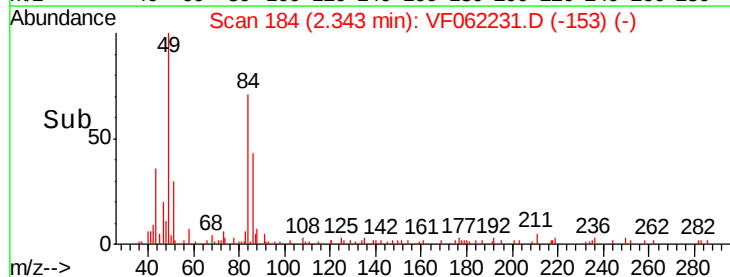
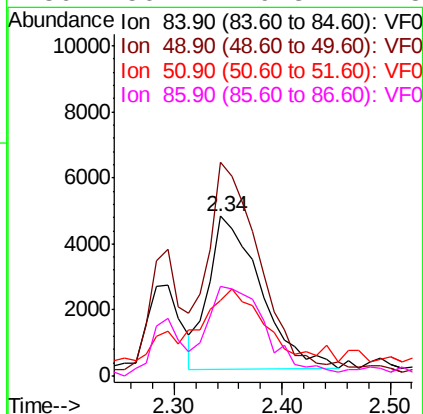
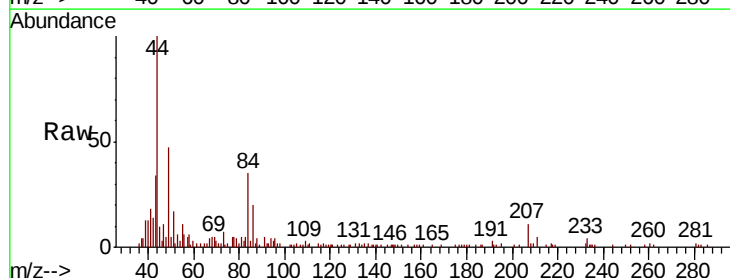
Instrument :
MSVOA_F
ClientSampleId :
FK-PS-01-045RE

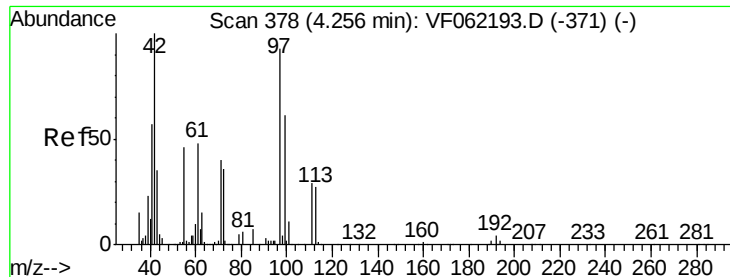
Tot Ion: 43 Resp: 6871
Ion Ratio Lower Upper
43 100
74 15.9 14.5 21.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Tgt Ion: 84 Resp: 15369
Ion Ratio Lower Upper
84 100
49 131.9 114.0 171.0
51 40.5 37.0 55.4
86 56.7 49.8 74.8





#29

Tetrahydrofuran

Concen: 1.710 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

FK-PS-01-045RE

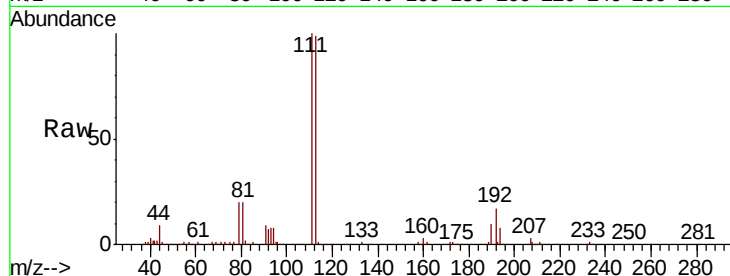
Tot Ion: 42 Resp: 1349

Ion Ratio Lower Upper

42 100

72 23.9 28.6 43.0#

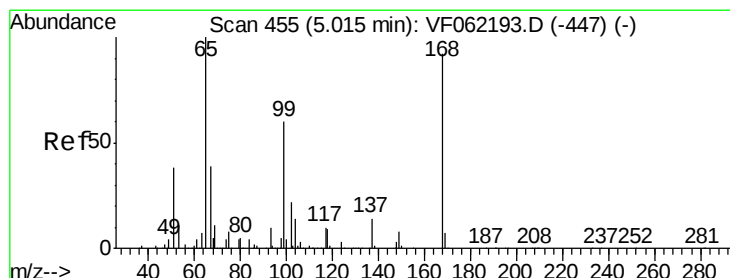
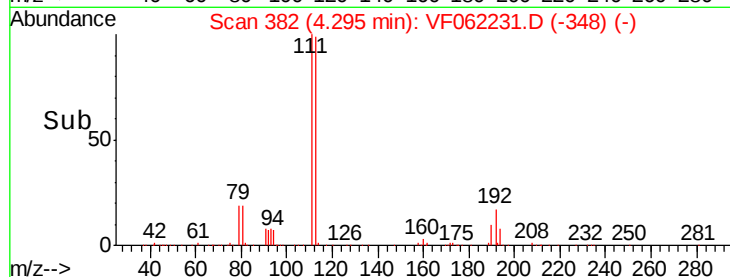
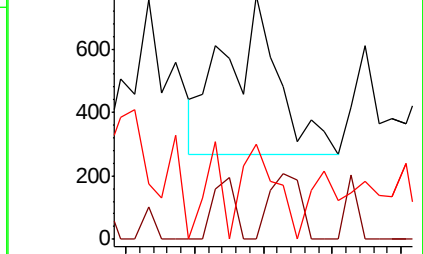
71 38.6 29.2 43.8



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: 49.600 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062231.D

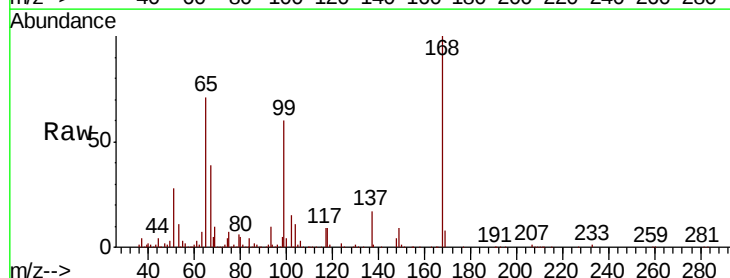
Acq: 19 Apr 2019 18:10

Tgt Ion: 65 Resp: 180838

Ion Ratio Lower Upper

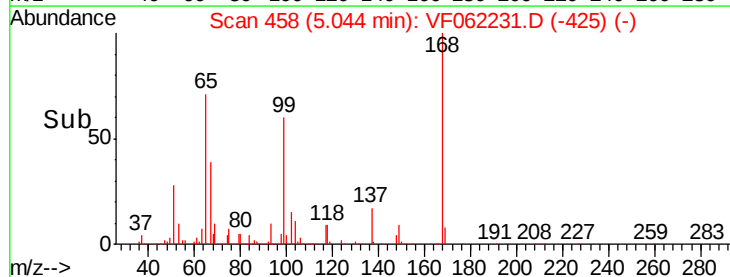
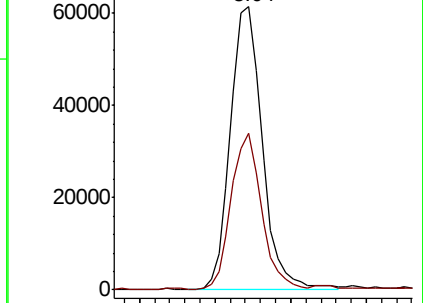
65 100

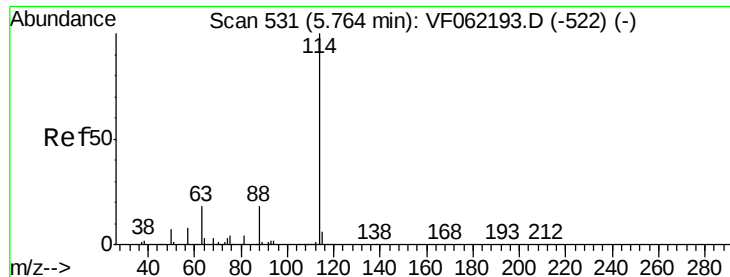
67 51.6 0.0 109.4



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: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

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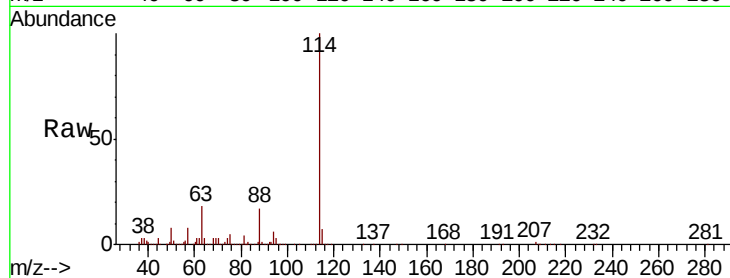
Tot Ion:114 Resp: 544506

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

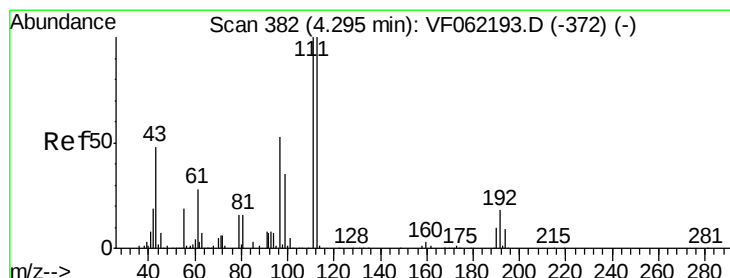
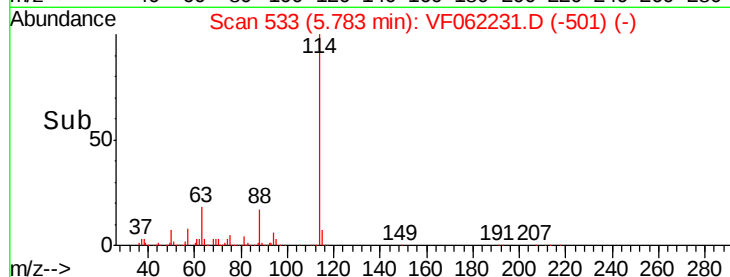
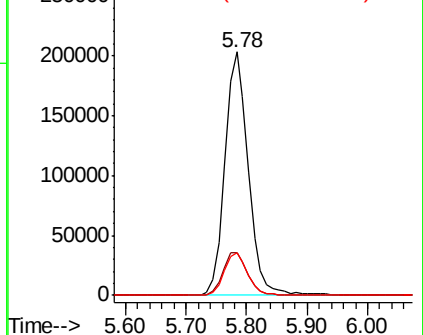
88 17.3 0.0 35.8



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: 51.384 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

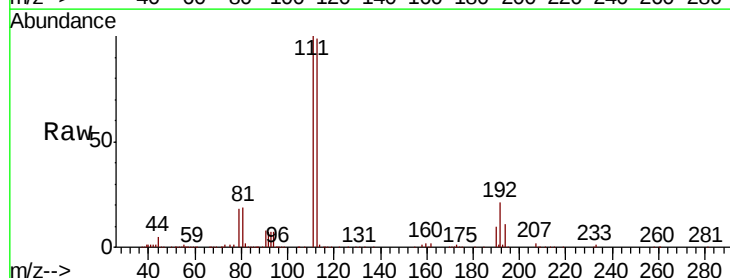
Tgt Ion:113 Resp: 244740

Ion Ratio Lower Upper

113 100

111 100.4 81.1 121.7

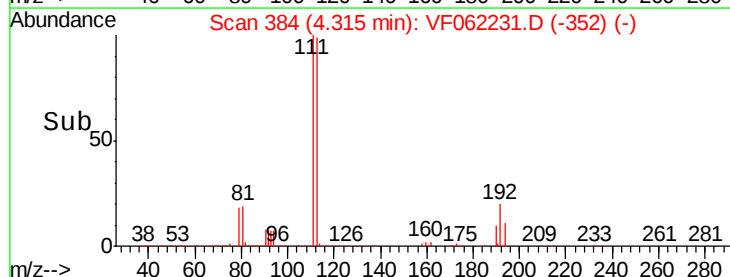
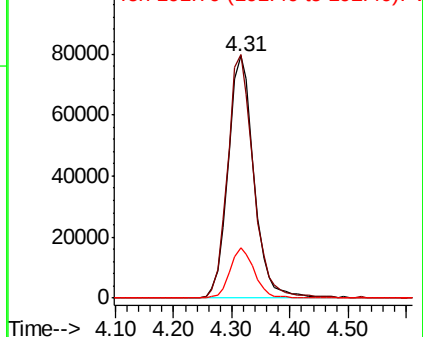
192 19.6 14.7 22.1

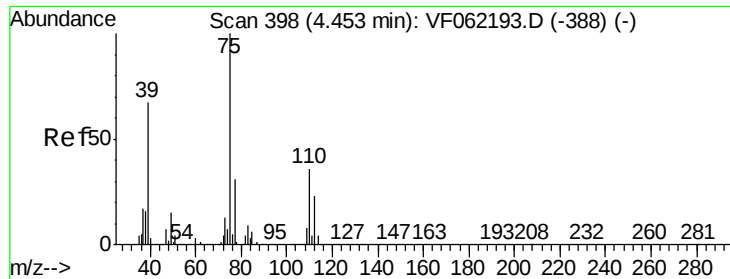


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

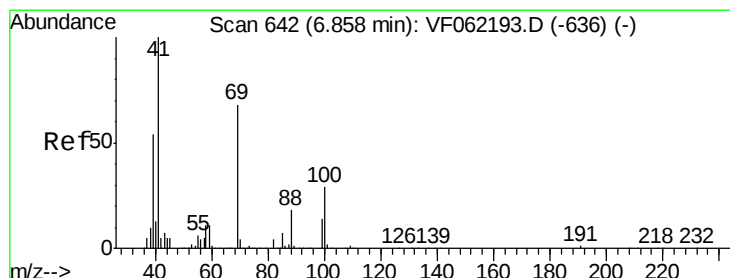
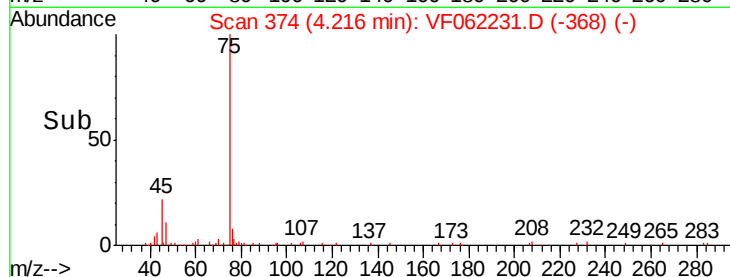
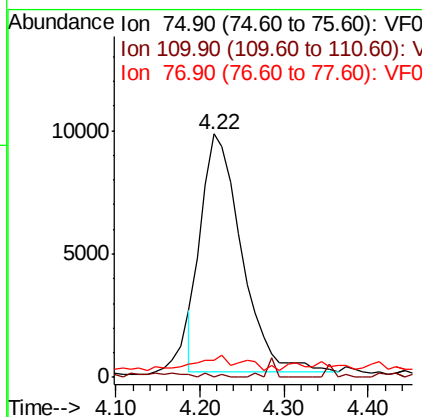
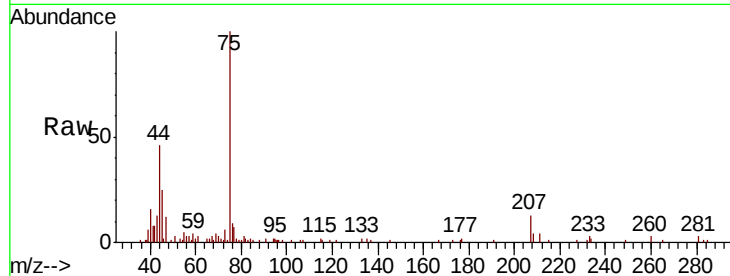




#36
 1,1-Dichloropropene
 Concen: 4.887 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.24 min
 Lab File: VF062231.D
 Acq: 19 Apr 2019 18:10

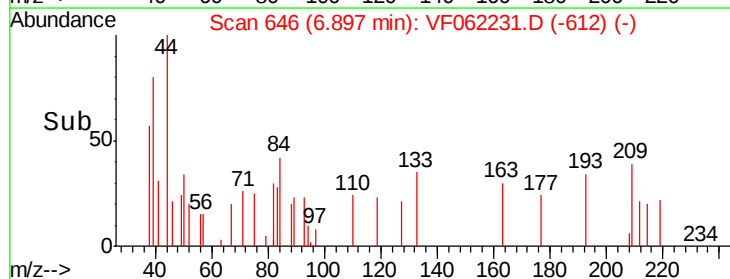
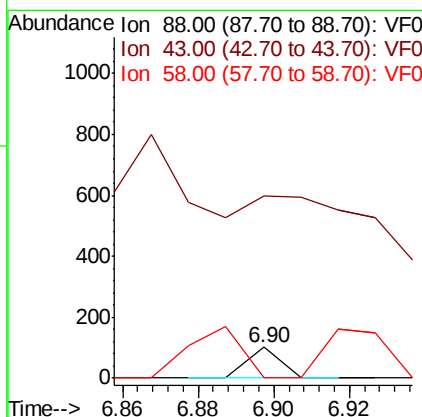
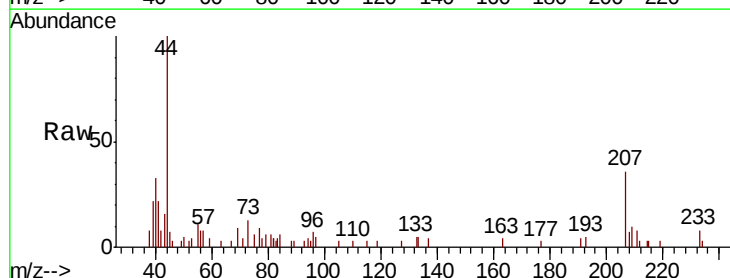
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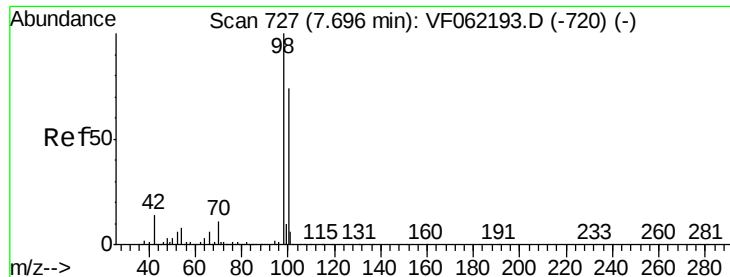
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.6	18.4	55.2#
77	1.3	25.4	38.2#



#49
 1,4-Dioxane
 Concen: 2.457 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.04 min
 Lab File: VF062231.D
 Acq: 19 Apr 2019 18:10

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	36.9	55.3#
58	268.3	56.8	85.2#

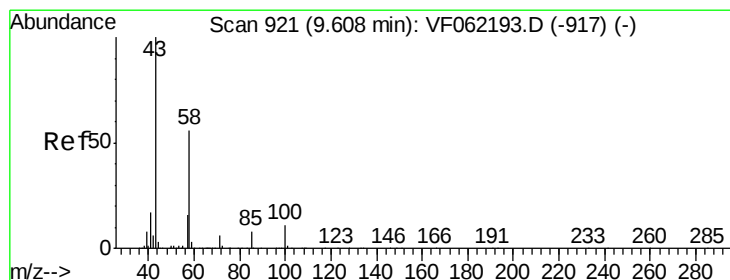
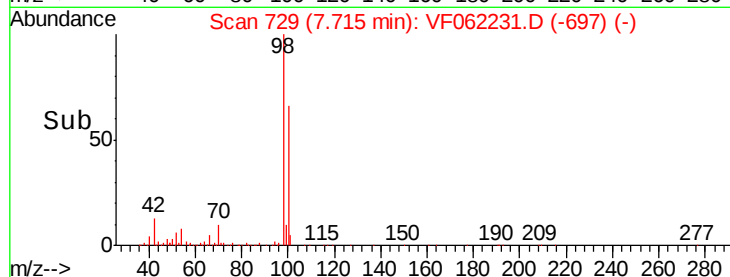
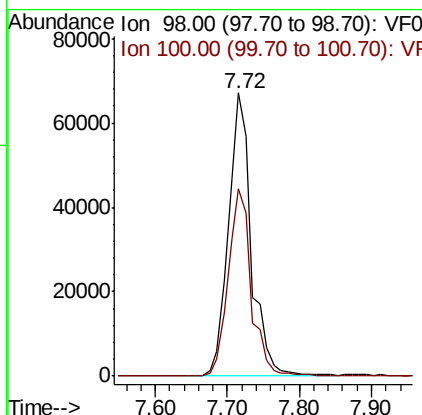
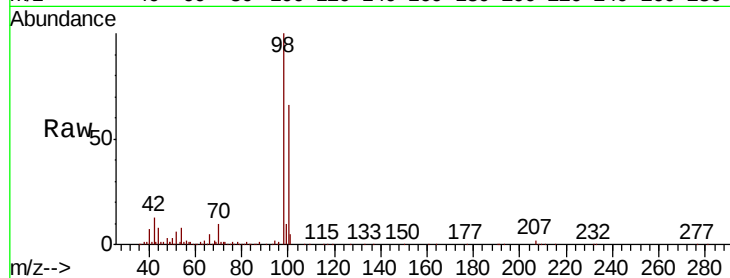




#50
Toluene-d8
Concen: 12.340 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

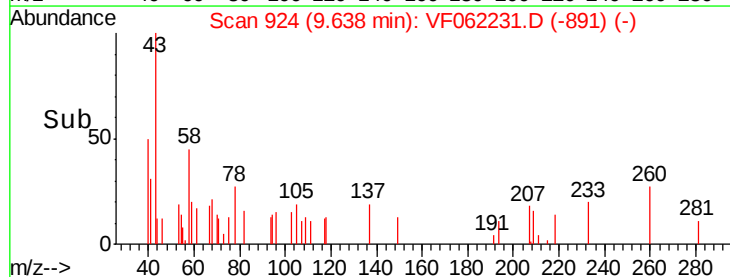
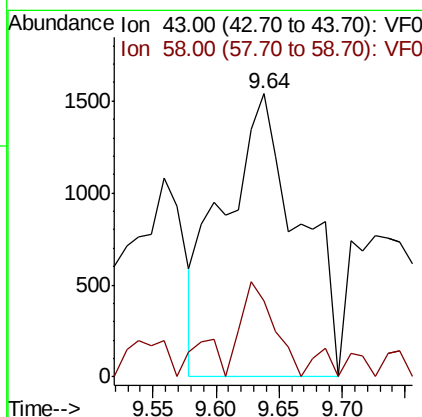
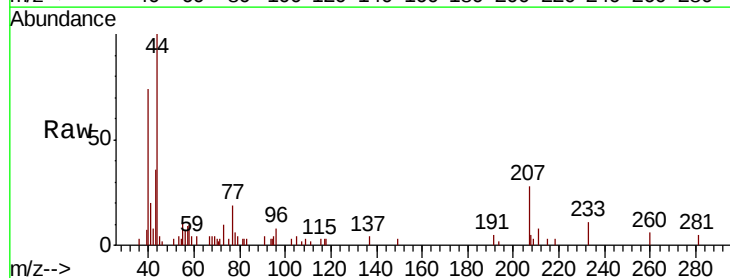
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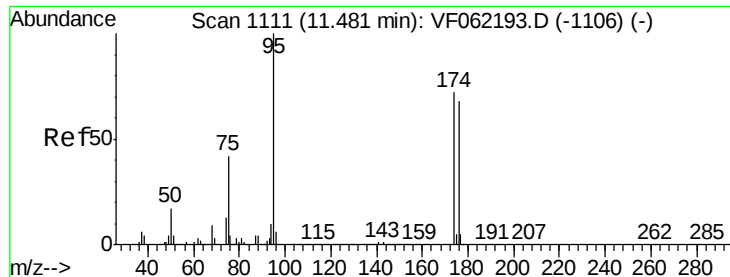
Tot Ion: 98 Resp: 148783
Ion Ratio Lower Upper
98 100
100 66.8 56.2 84.2



#59
2-Hexanone
Concen: 4.430 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.03 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Tgt Ion: 43 Resp: 6455
Ion Ratio Lower Upper
43 100
58 14.6 24.6 74.0#

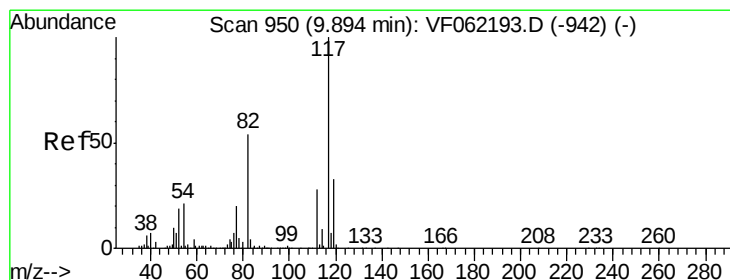
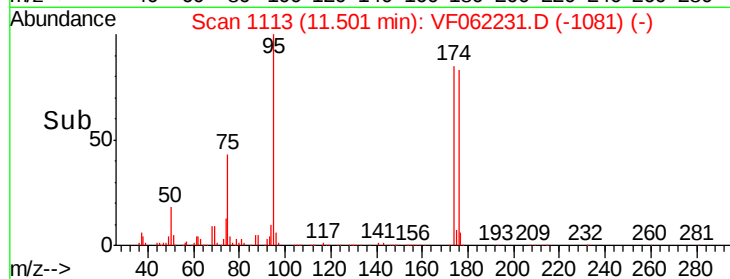
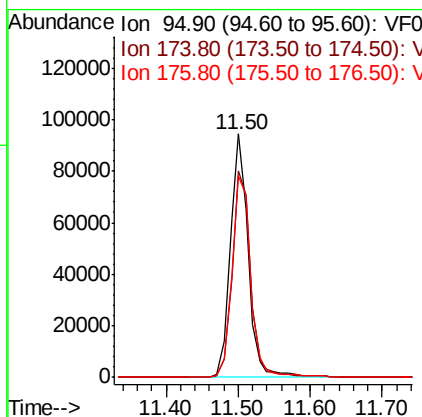
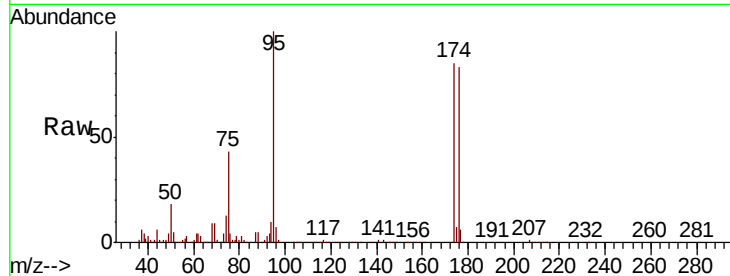




#62
4-Bromofluorobenzene
Concen: 34.705 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

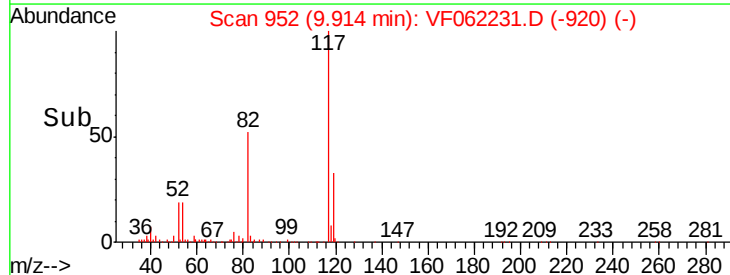
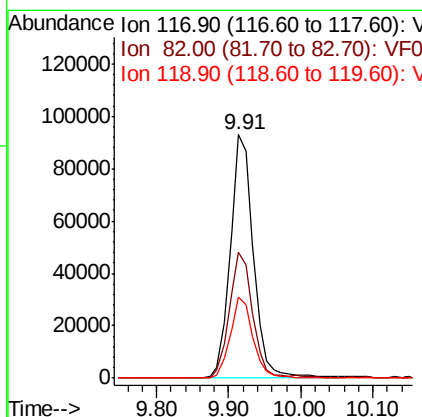
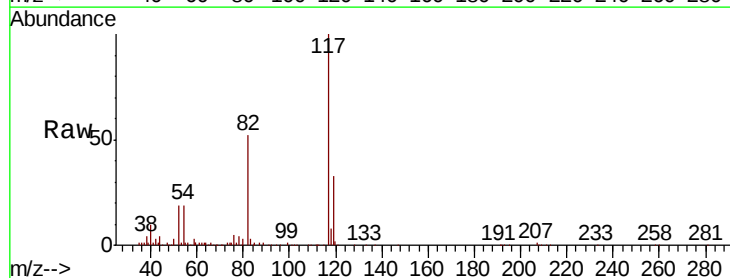
Instrument :
MSVOA_F
ClientSampleId :
FK-PS-01-045RE

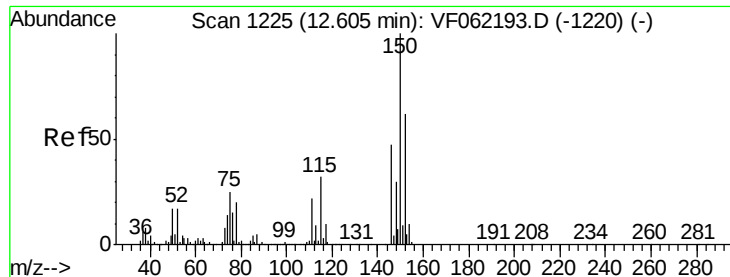
Tot Ion: 95 Resp: 160970
Ion Ratio Lower Upper
95 100
174 88.8 0.0 159.4
176 88.3 0.0 155.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Tgt Ion: 117 Resp: 208325
Ion Ratio Lower Upper
117 100
82 51.8 43.2 64.8
119 33.1 26.2 39.4



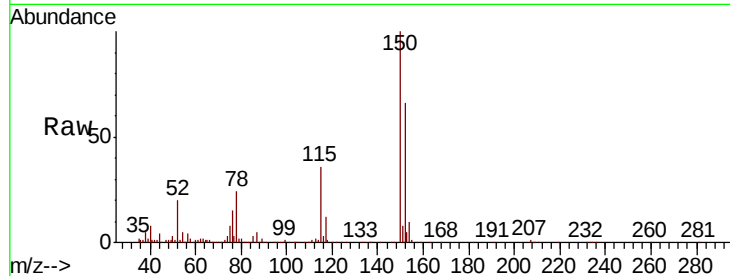


#72

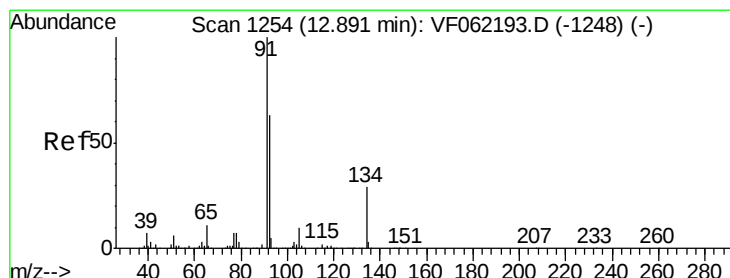
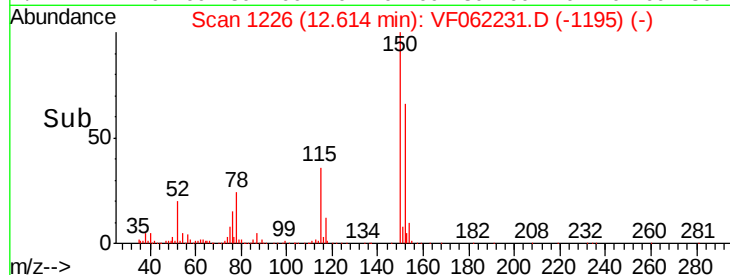
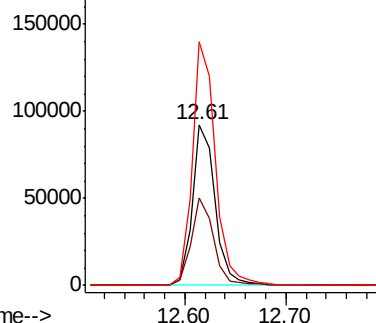
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Instrument :
MSVOA_F
ClientSampleId :
FK-PS-01-045RE

Tot Ion:152 Resp: 144372
Ion Ratio Lower Upper
152 100
115 54.5 27.8 83.3
150 154.5 0.0 341.8



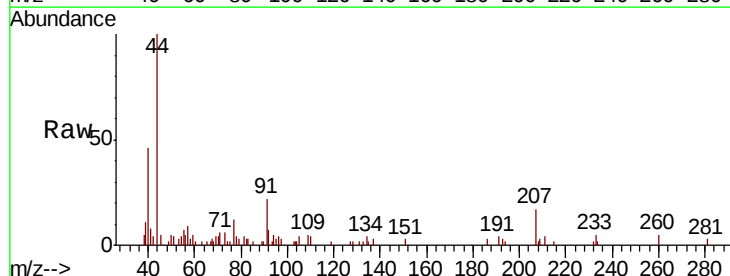
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



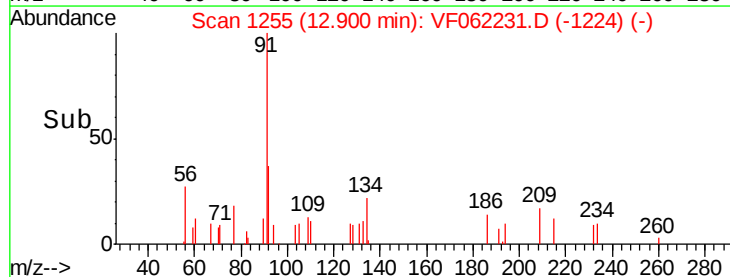
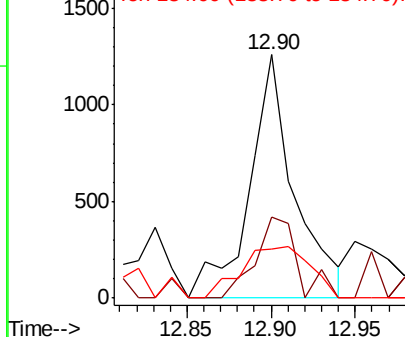
#89

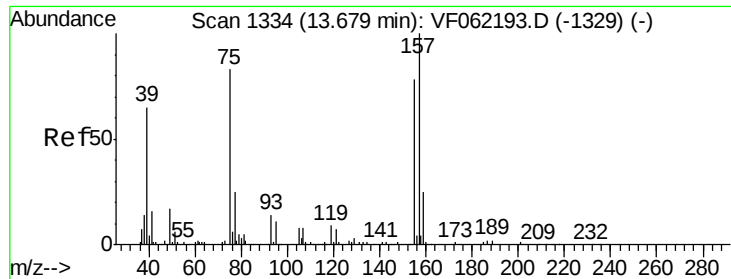
n-Butylbenzene
Concen: Below Cal
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062231.D
Acq: 19 Apr 2019 18:10

Tgt Ion: 91 Resp: 2343
Ion Ratio Lower Upper
91 100
92 30.9 31.2 93.6#
134 32.1 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.069 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062231.D

Acq: 19 Apr 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

FK-PS-01-045RE

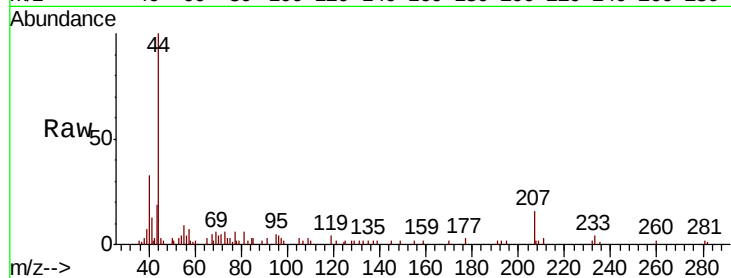
Tot Ion: 75 Resp: 448

Ion Ratio Lower Upper

75 100

155 24.1 47.6 142.8#

157 0.0 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

