

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061719.D
 Acq On : 22 Feb 2019 20:21
 Operator : VA/AP
 Sample : K1595-01RE
 Misc : 5.36g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-CBF-B10RE

Quant Time: Feb 23 01:47:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	157766	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	214528	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	142362	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	51716	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	28015	24.22	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	48.44%	
35) Dibromofluoromethane	4.09	113	50267	31.55	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	63.10%	
50) Toluene-d8	7.54	98	143711	31.38	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	62.76%	
62) 4-Bromofluorobenzene	11.40	95	45468	24.54	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	49.08%	

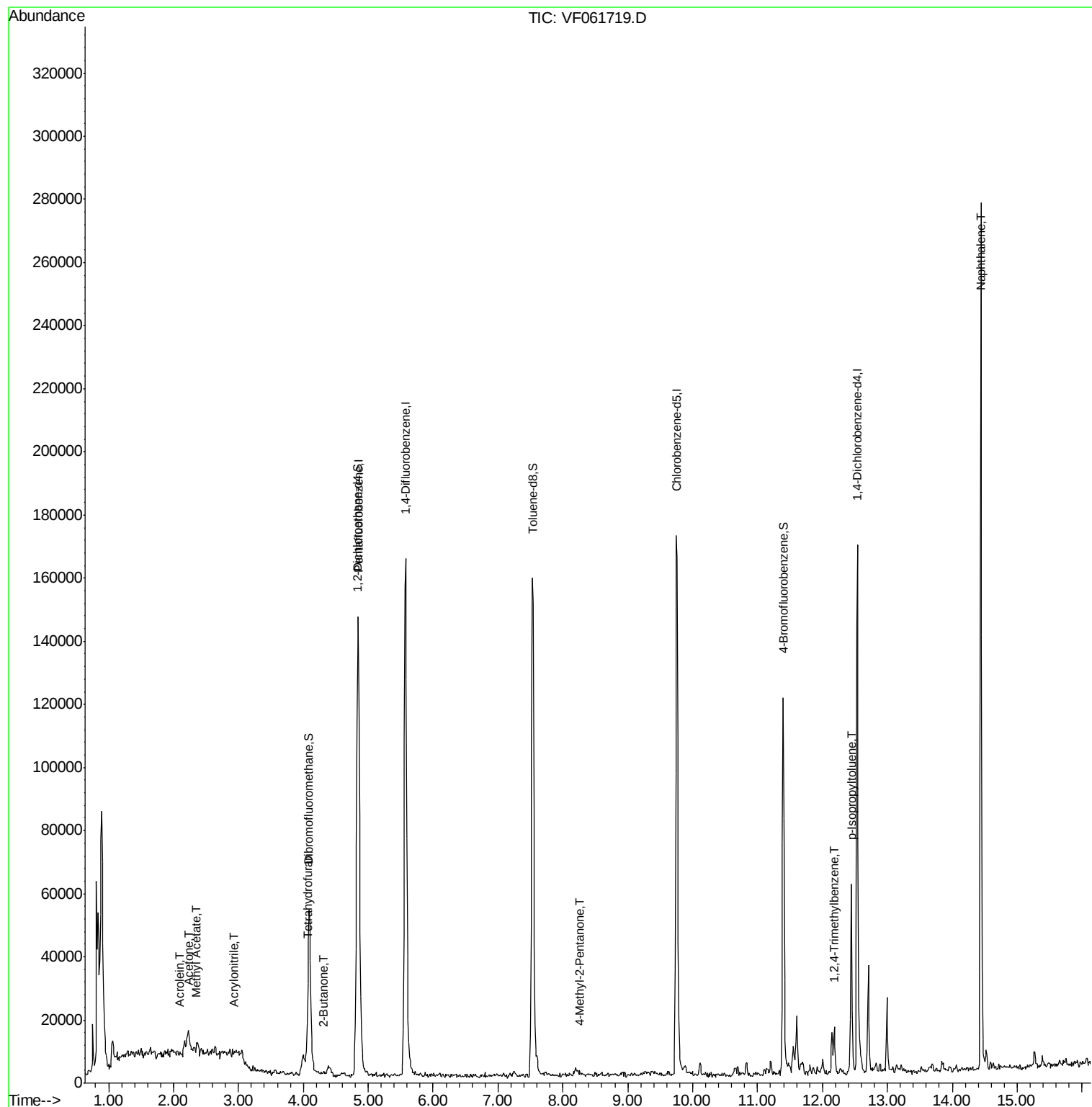
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.10	56	379	4.504	ug/l	92
15) Acrylonitrile	2.92	53	244	1.027	ug/l #	22
16) Acetone	2.23	43	10437	42.047	ug/l	94
18) Methyl Acetate	2.35	43	2351	4.204	ug/l #	59
20) Methylene Chloride	2.18	84	1783	Below Cal	#	80
25) 2-Butanone	4.32	43	1950	3.596	ug/l #	88
29) Tetrahydrofuran	4.06	42	744	3.019	ug/l #	43
51) 4-Methyl-2-Pentanone	8.25	43	1123	1.345	ug/l #	83
84) 1,2,4-Trimethylbenzene	12.19	105	3727	1.275	ug/l	100
86) p-Isopropyltoluene	12.45	119	39227	11.089	ug/l	97
95) Naphthalene	14.44	128	204108	96.490	ug/l	98

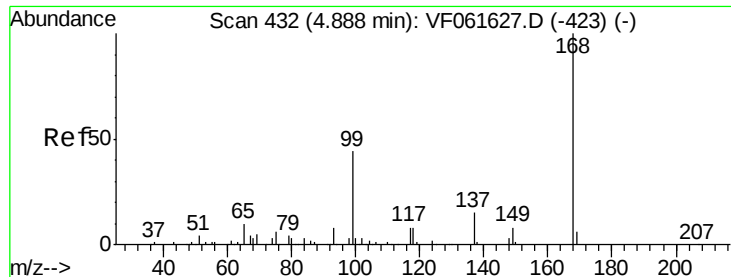
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022219\
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

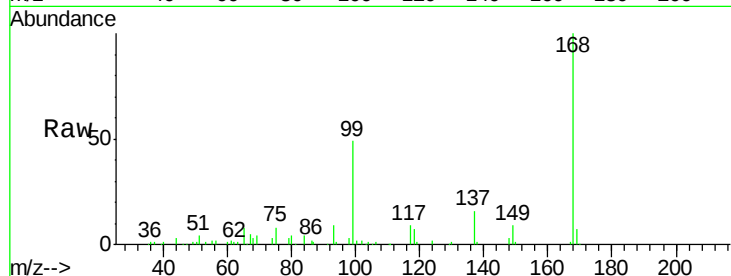
TP-CBF-B10RE

Tot Ion:168 Resp: 157766

Ion Ratio Lower Upper

168 100

99 48.6 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

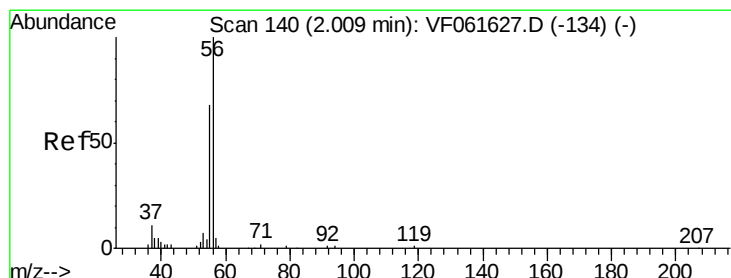
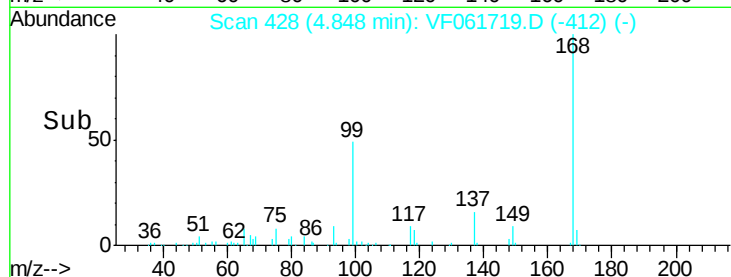
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 4.504 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.09 min

Lab File: VF061719.D

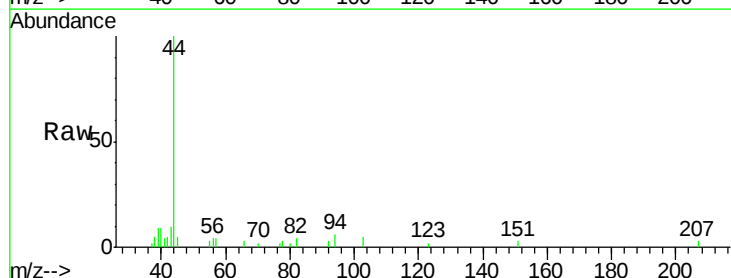
Acq: 22 Feb 2019 20:21

Tgt Ion: 56 Resp: 379

Ion Ratio Lower Upper

56 100

55 75.5 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

500

400

300

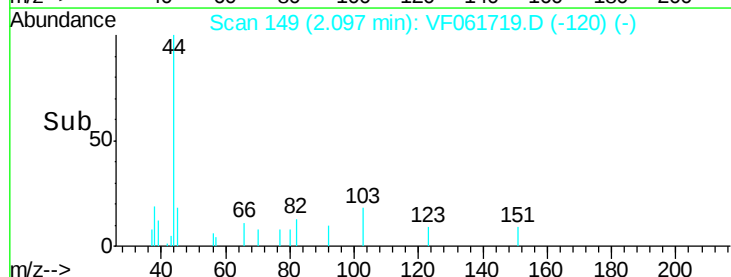
200

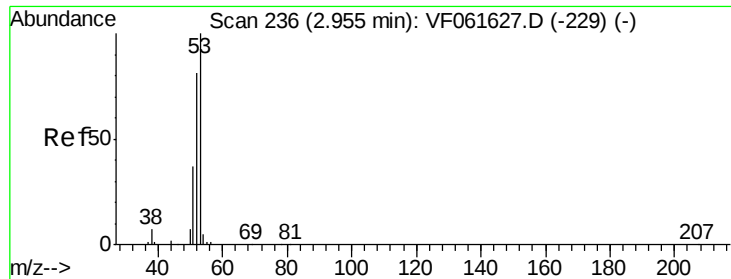
100

0

Time-->

2.05 2.10 2.15





#15

Acrylonitrile

Concen: 1.027 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

TP-CBF-B10RE

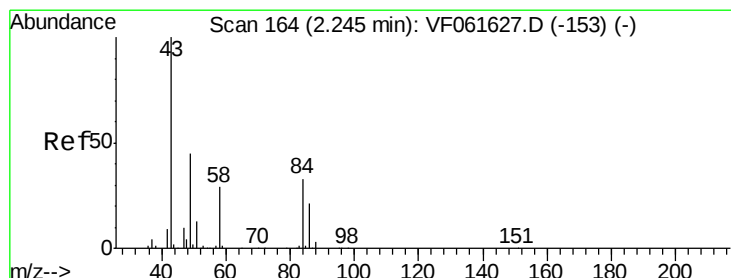
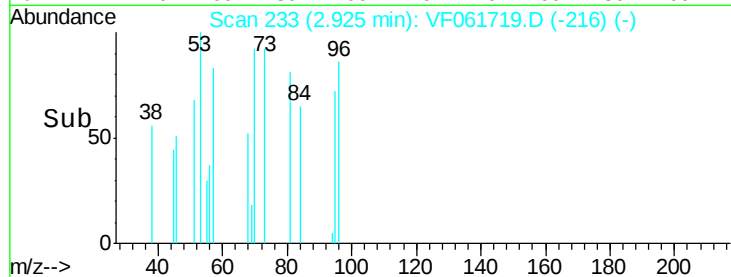
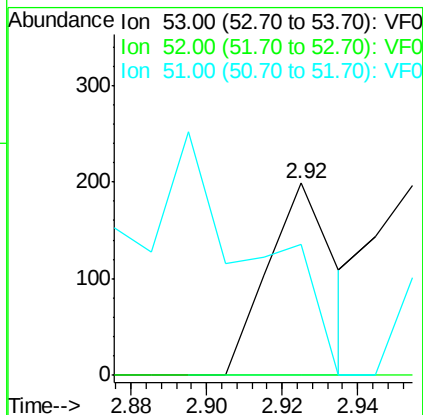
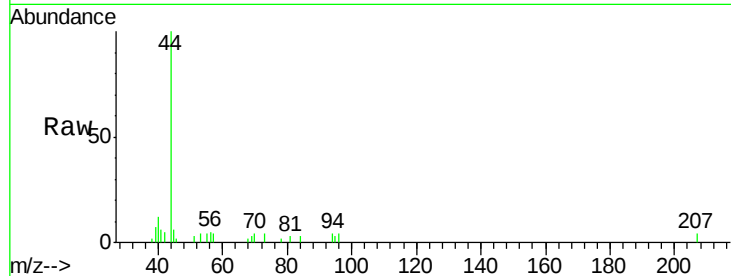
Tot Ion: 53 Resp: 244

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 67.8 29.8 44.8#



#16

Acetone

Concen: 42.047 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061719.D

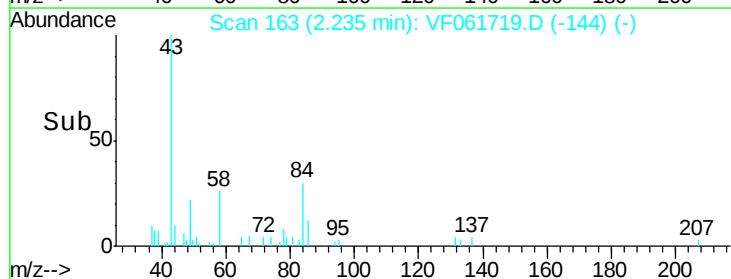
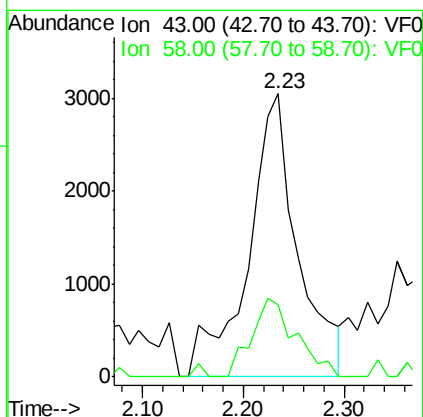
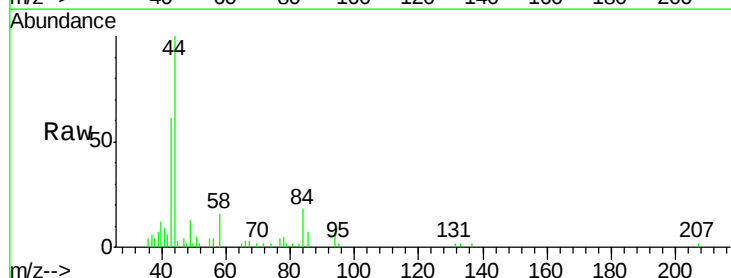
Acq: 22 Feb 2019 20:21

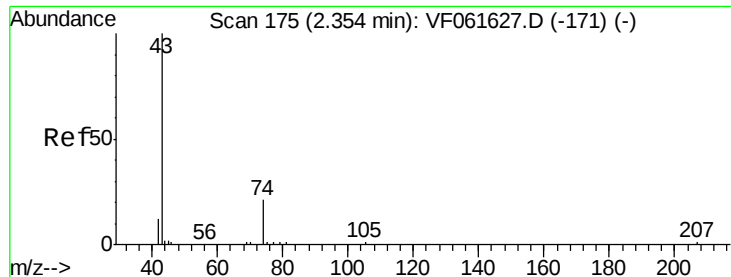
Tgt Ion: 43 Resp: 10437

Ion Ratio Lower Upper

43 100

58 25.5 22.9 34.3

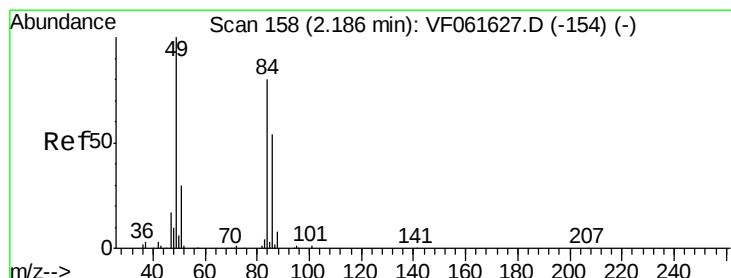
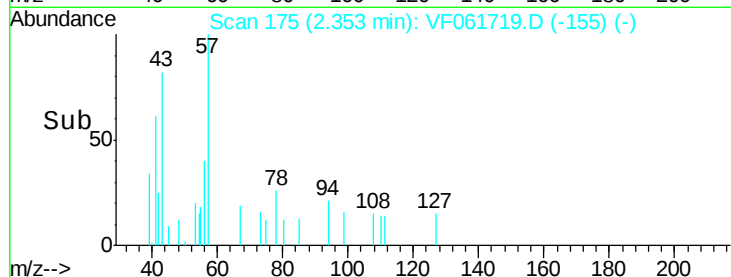
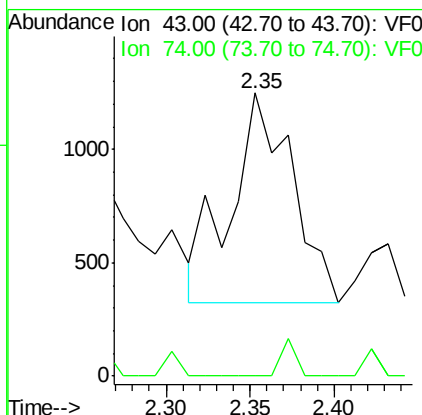
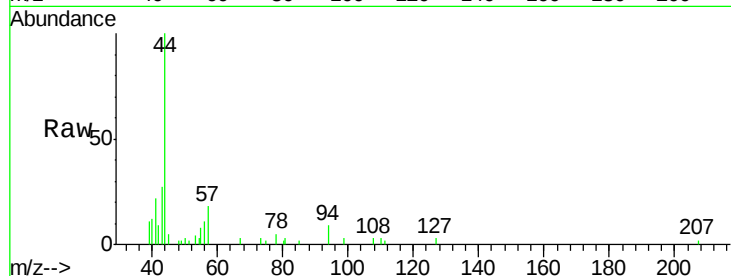




#18
Methyl Acetate
Concen: 4.204 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061719.D
Acq: 22 Feb 2019 20:21

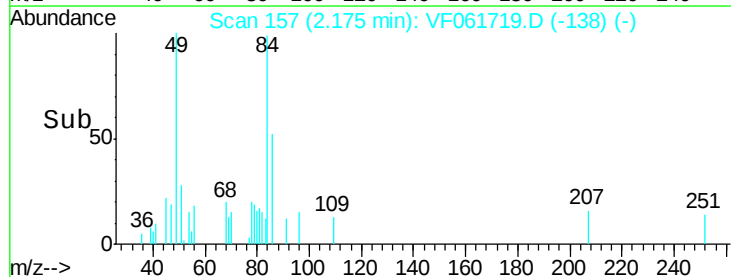
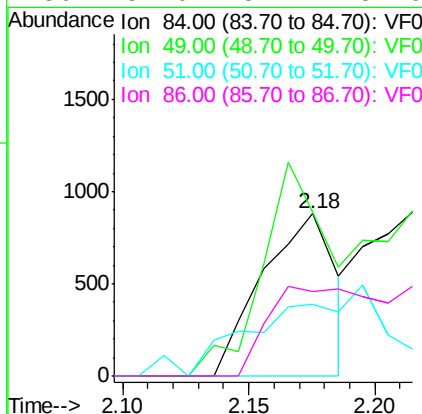
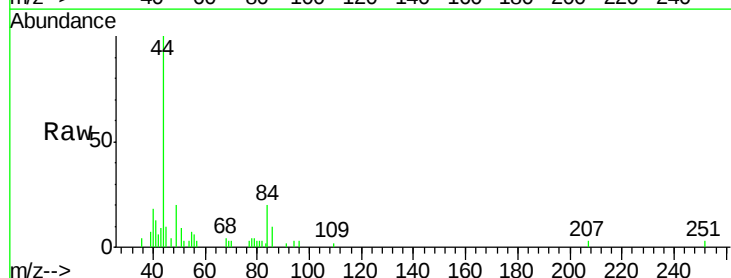
Instrument :
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ClientSampleId :
TP-CBF-B10RE

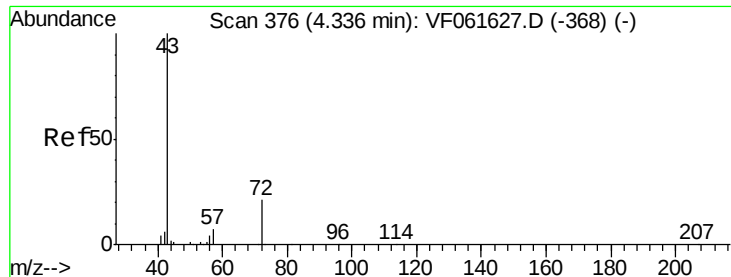
Tot Ion: 43 Resp: 2351
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061719.D
Acq: 22 Feb 2019 20:21

Tgt Ion: 84 Resp: 1783
Ion Ratio Lower Upper
84 100
49 100.8 101.8 152.8#
51 44.1 31.1 46.7
86 52.0 54.4 81.6#





#25

2-Butanone

Concen: 3.596 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

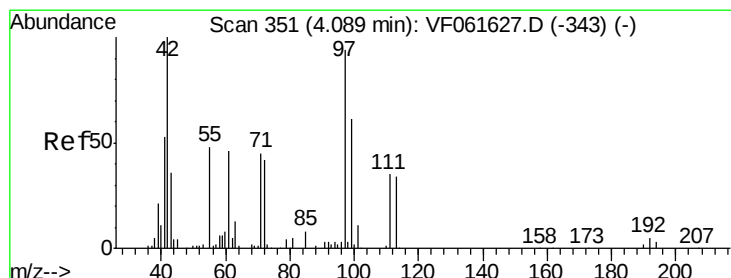
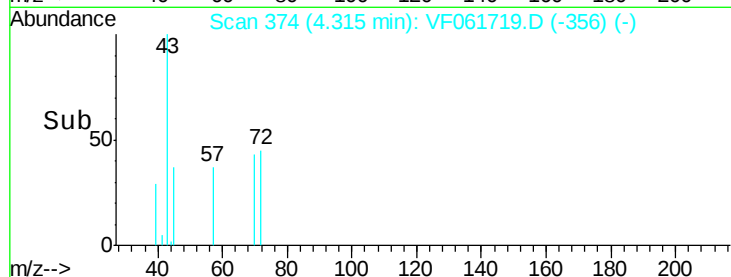
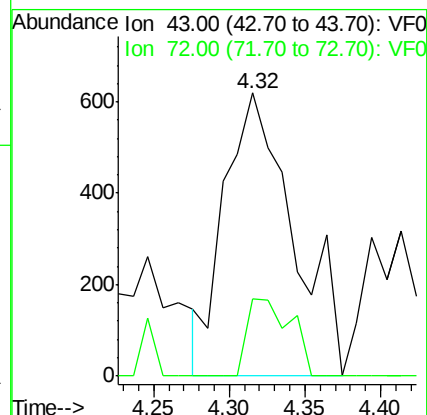
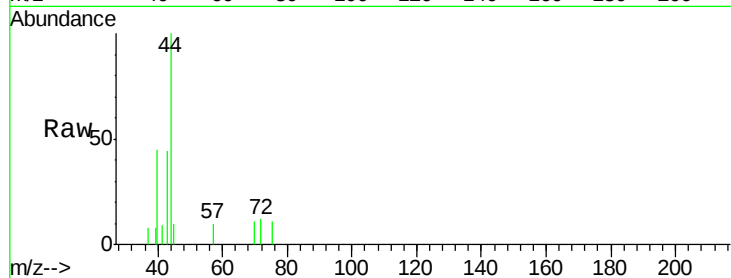
TP-CBF-B10RE

Tot Ion: 43 Resp: 1950

Ion Ratio Lower Upper

43 100

72 27.1 17.1 25.7#



#29

Tetrahydrofuran

Concen: 3.019 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

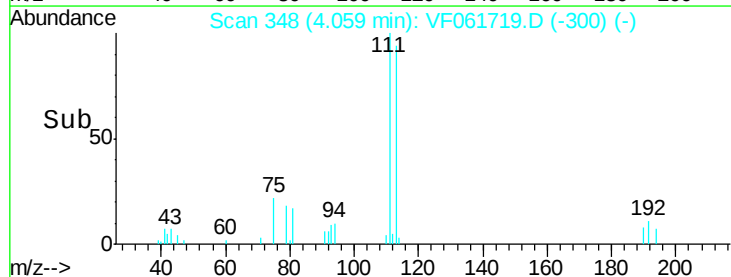
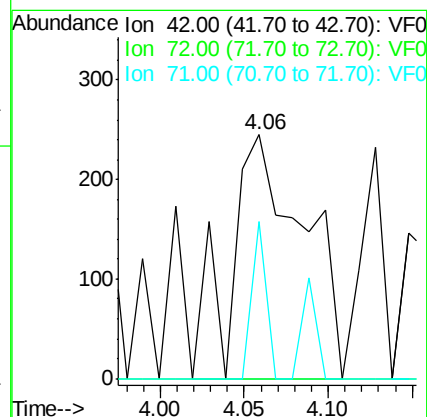
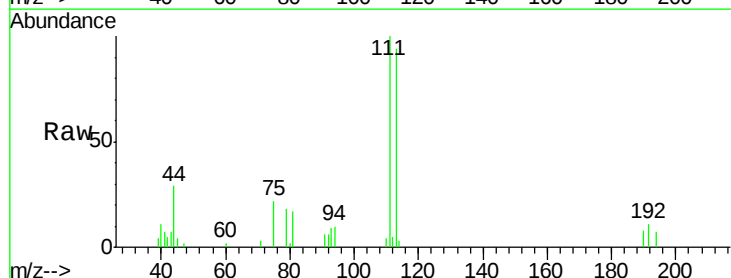
Tgt Ion: 42 Resp: 744

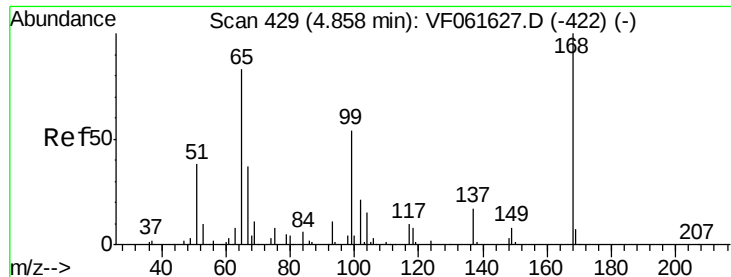
Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 12.5 32.9 49.3#

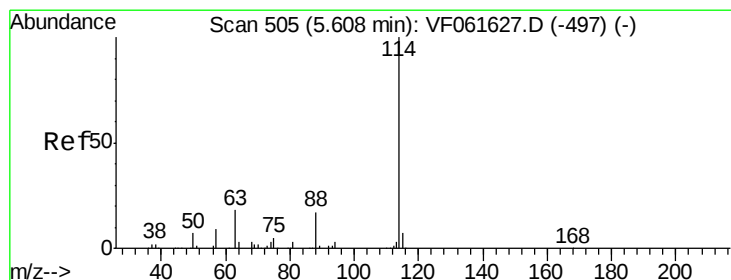
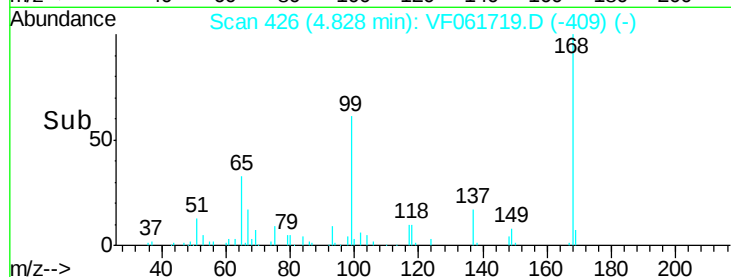
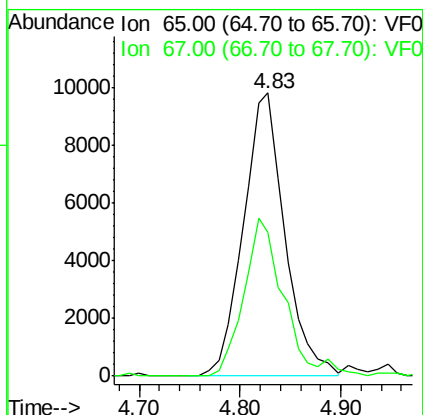
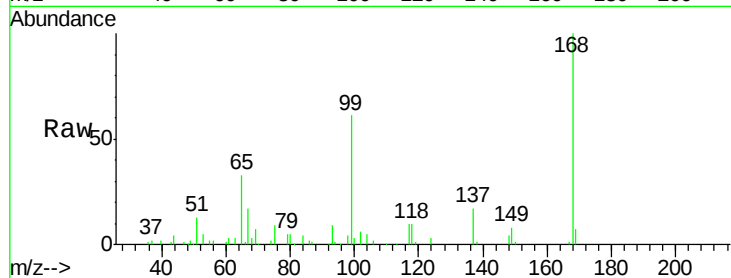




#33
 1,2-Dichloroethane-d4
 Concen: 24.215 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061719.D
 Acq: 22 Feb 2019 20:21

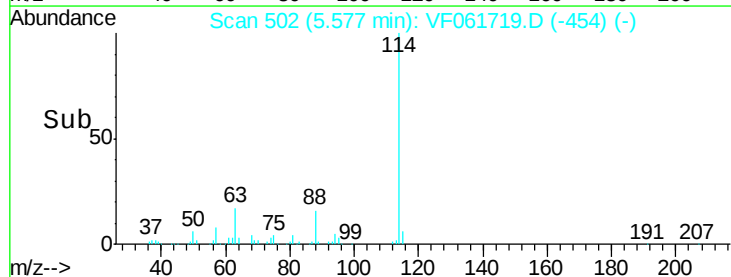
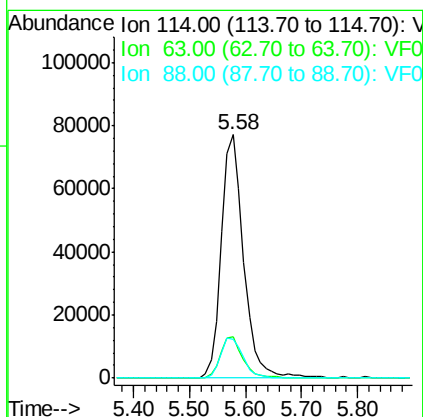
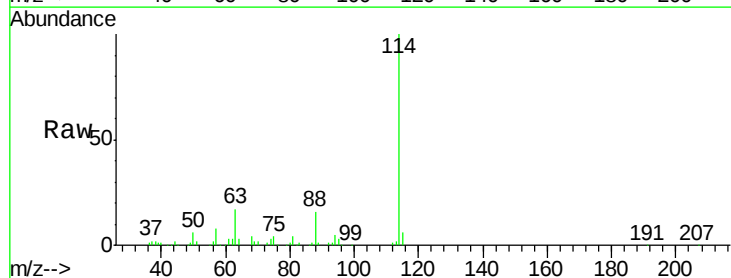
Instrument :
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 TP-CBF-B10RE

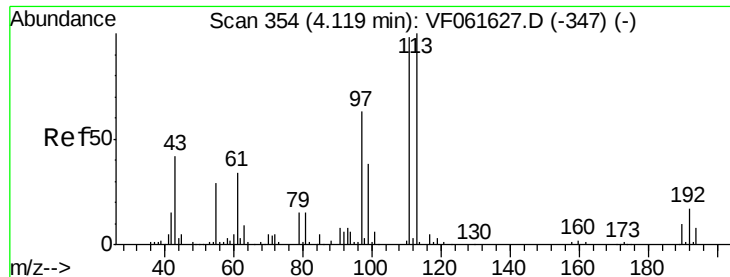
Tot Ion: 65 Resp: 28015
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061719.D
 Acq: 22 Feb 2019 20:21

Tgt Ion: 114 Resp: 214528
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.6
 88 16.1 0.0 34.4

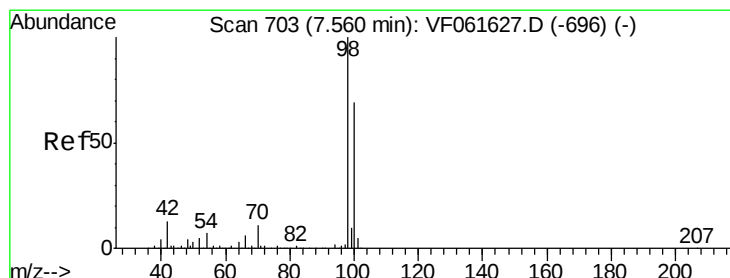
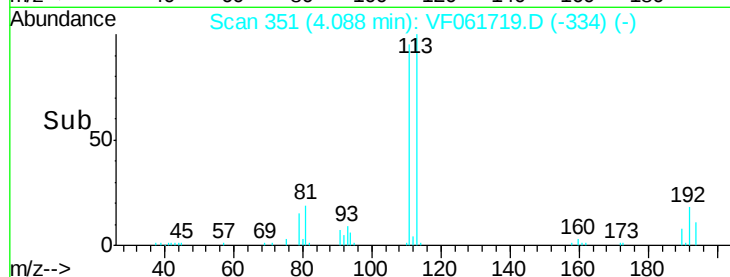
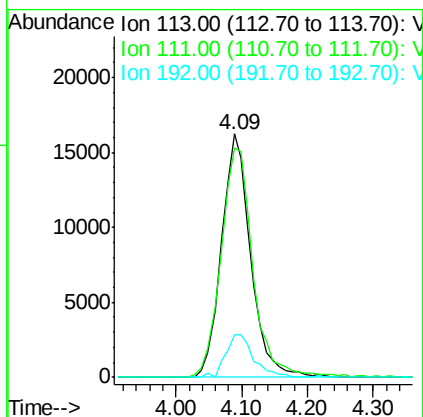
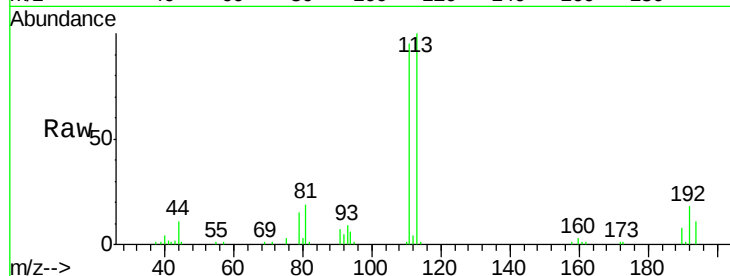




#35
Dibromofluoromethane
Concen: 31.553 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061719.D
Acq: 22 Feb 2019 20:21

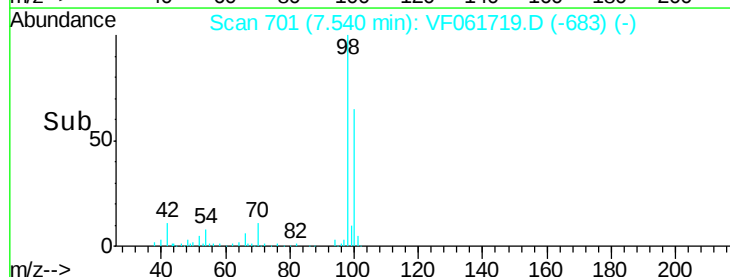
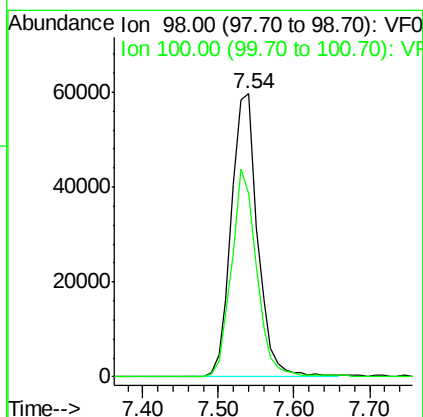
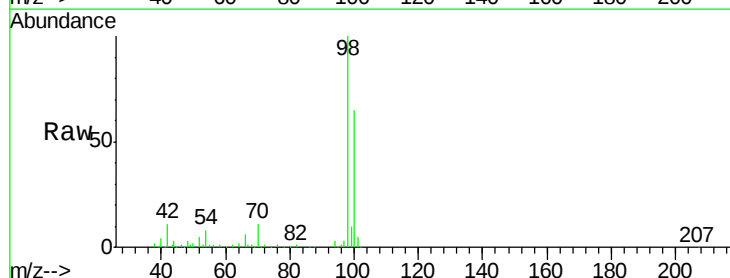
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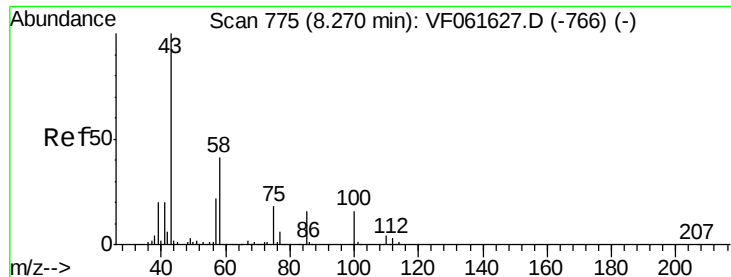
Tot Ion:113 Resp: 50267
Ion Ratio Lower Upper
113 100
111 94.5 78.8 118.2
192 17.8 13.4 20.0



#50
Toluene-d8
Concen: 31.380 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061719.D
Acq: 22 Feb 2019 20:21

Tgt Ion: 98 Resp: 143711
Ion Ratio Lower Upper
98 100
100 64.7 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 1.345 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

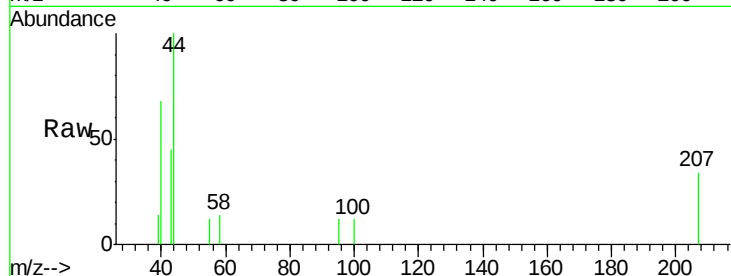
TP-CBF-B10RE

Tot Ion: 43 Resp: 1123

Ion Ratio Lower Upper

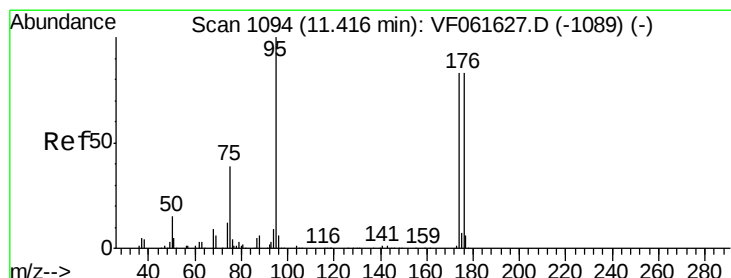
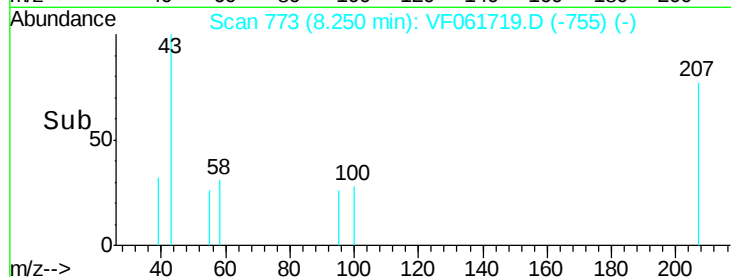
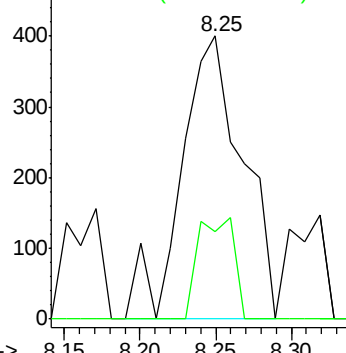
43 100

58 31.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 24.537 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

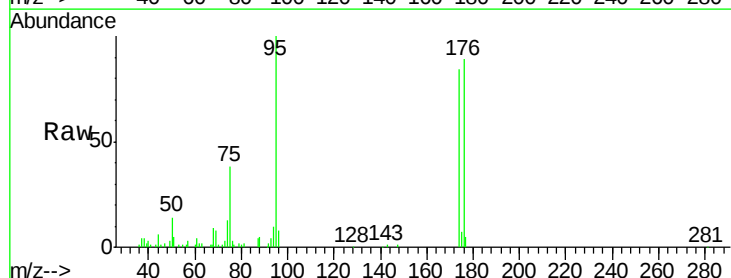
Tgt Ion: 95 Resp: 45468

Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.8

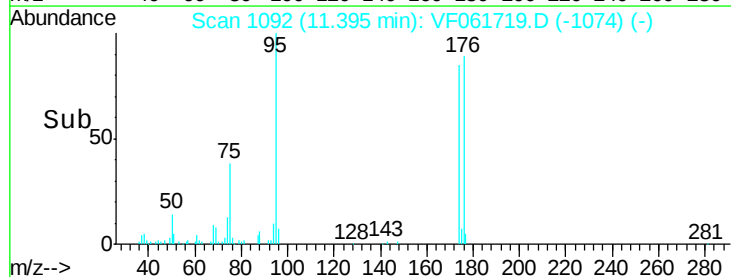
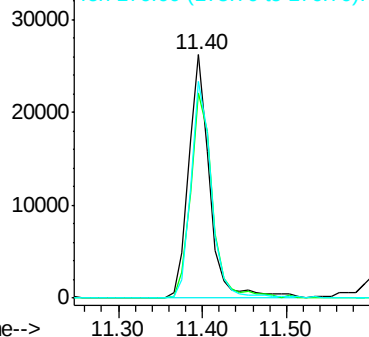
176 88.8 0.0 167.0

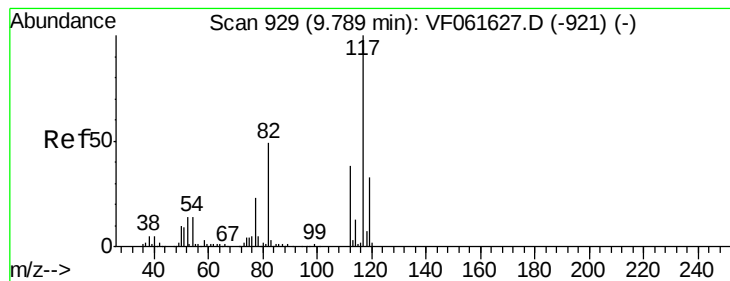


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

Instrument :

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ClientSampleId :

TP-CBF-B10RE

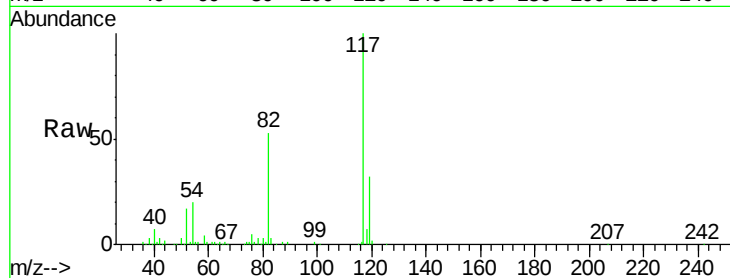
Tot Ion:117 Resp: 142362

Ion Ratio Lower Upper

117 100

82 53.0 39.3 58.9

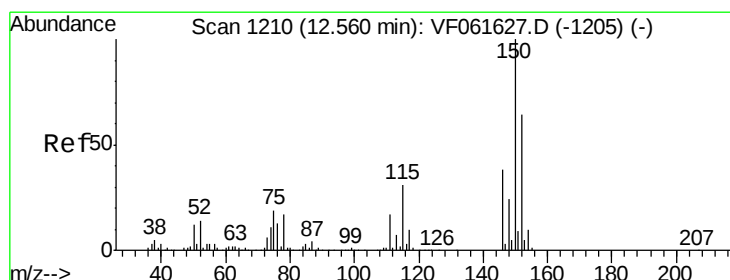
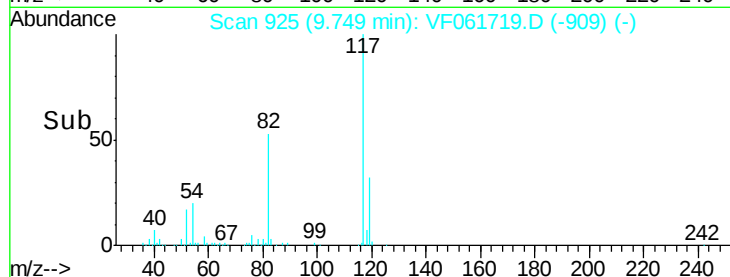
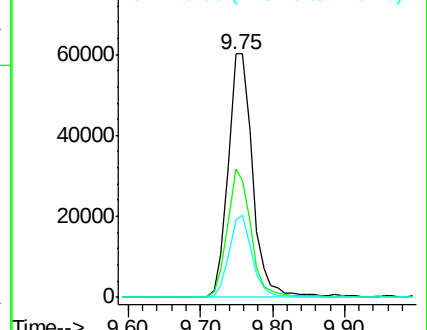
119 31.7 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

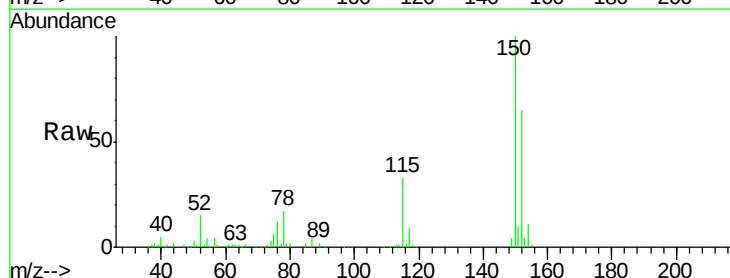
Tgt Ion:152 Resp: 51716

Ion Ratio Lower Upper

152 100

115 51.1 24.3 72.8

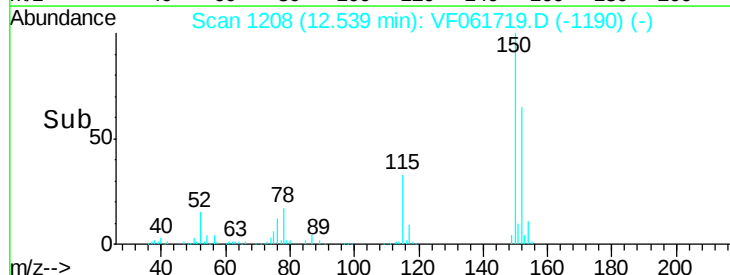
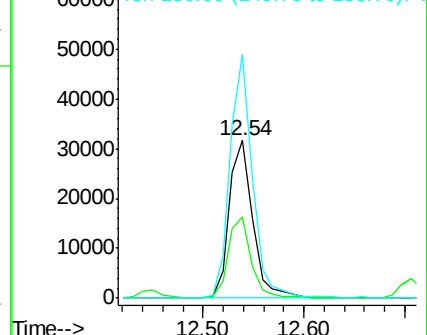
150 154.4 0.0 312.0

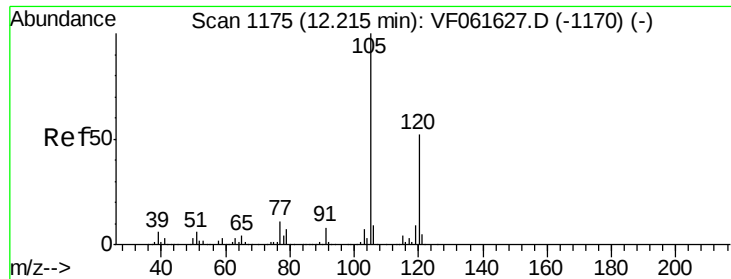


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

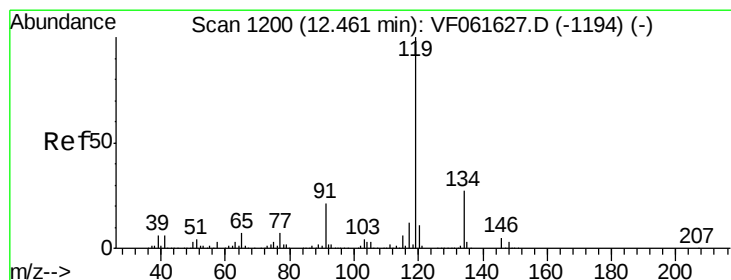
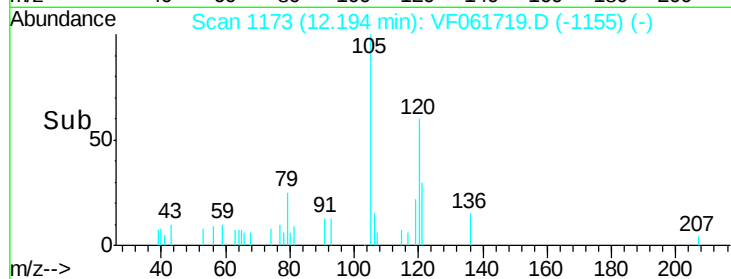
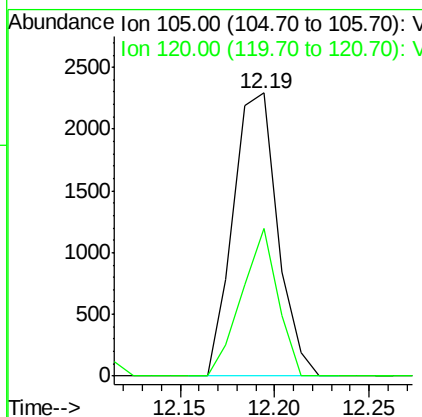
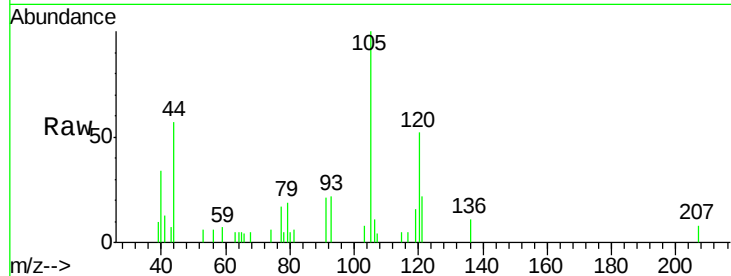




#84
 1,2,4-Trimethylbenzene
 Concen: 1.275 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF061719.D
 Acq: 22 Feb 2019 20:21

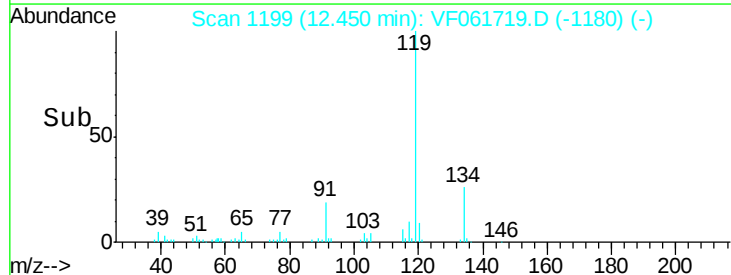
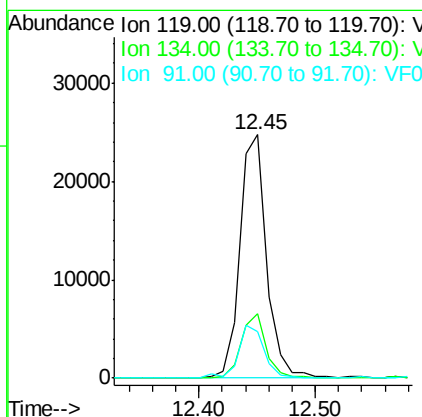
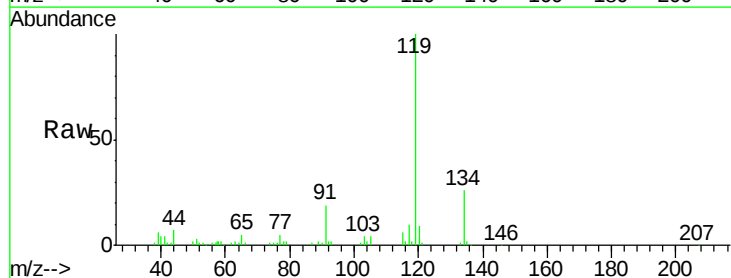
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-CBF-B10RE

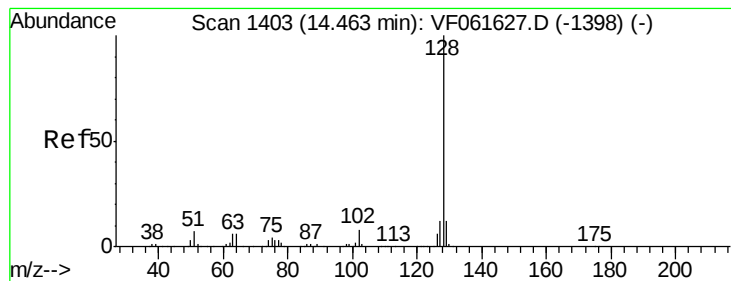
Tot Ion:105 Resp: 3727
 Ion Ratio Lower Upper
 105 100
 120 52.0 26.1 78.3



#86
 p-Isopropyltoluene
 Concen: 11.089 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061719.D
 Acq: 22 Feb 2019 20:21

Tgt Ion:119 Resp: 39227
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.7 41.1
 91 19.3 10.8 32.4





#95

Naphthalene

Concen: 96.490 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061719.D

Acq: 22 Feb 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

TP-CBF-B10RE

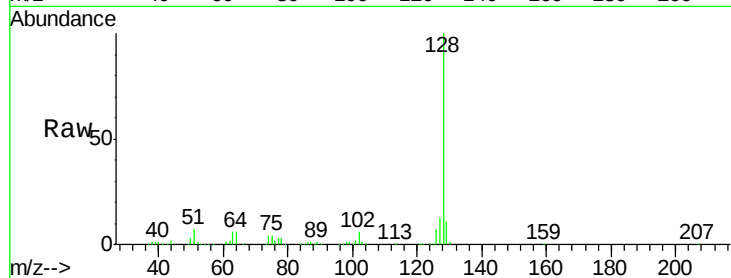
Tot Ion:128 Resp: 204108

Ion Ratio Lower Upper

128 100

127 12.8 9.8 14.6

129 10.8 9.4 14.2



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

