

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061795.D
 Acq On : 28 Feb 2019 18:50
 Operator : VA/AP
 Sample : K1647-03
 Misc : 4.91g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 44766

Quant Time: Mar 01 00:20:24 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	4.86	168	328411	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	487512	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	392952	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	173990	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	105106	43.64	ug/l	-0.03
Spiked Amount			Recovery	=	87.28%	
35) Dibromofluoromethane	4.10	113	160308	44.28	ug/l	-0.02
Spiked Amount			Recovery	=	88.56%	
50) Toluene-d8	7.54	98	394741	37.93	ug/l	-0.02
Spiked Amount			Recovery	=	75.86%	
62) 4-Bromofluorobenzene	11.40	95	152961	36.32	ug/l	-0.02
Spiked Amount			Recovery	=	72.64%	

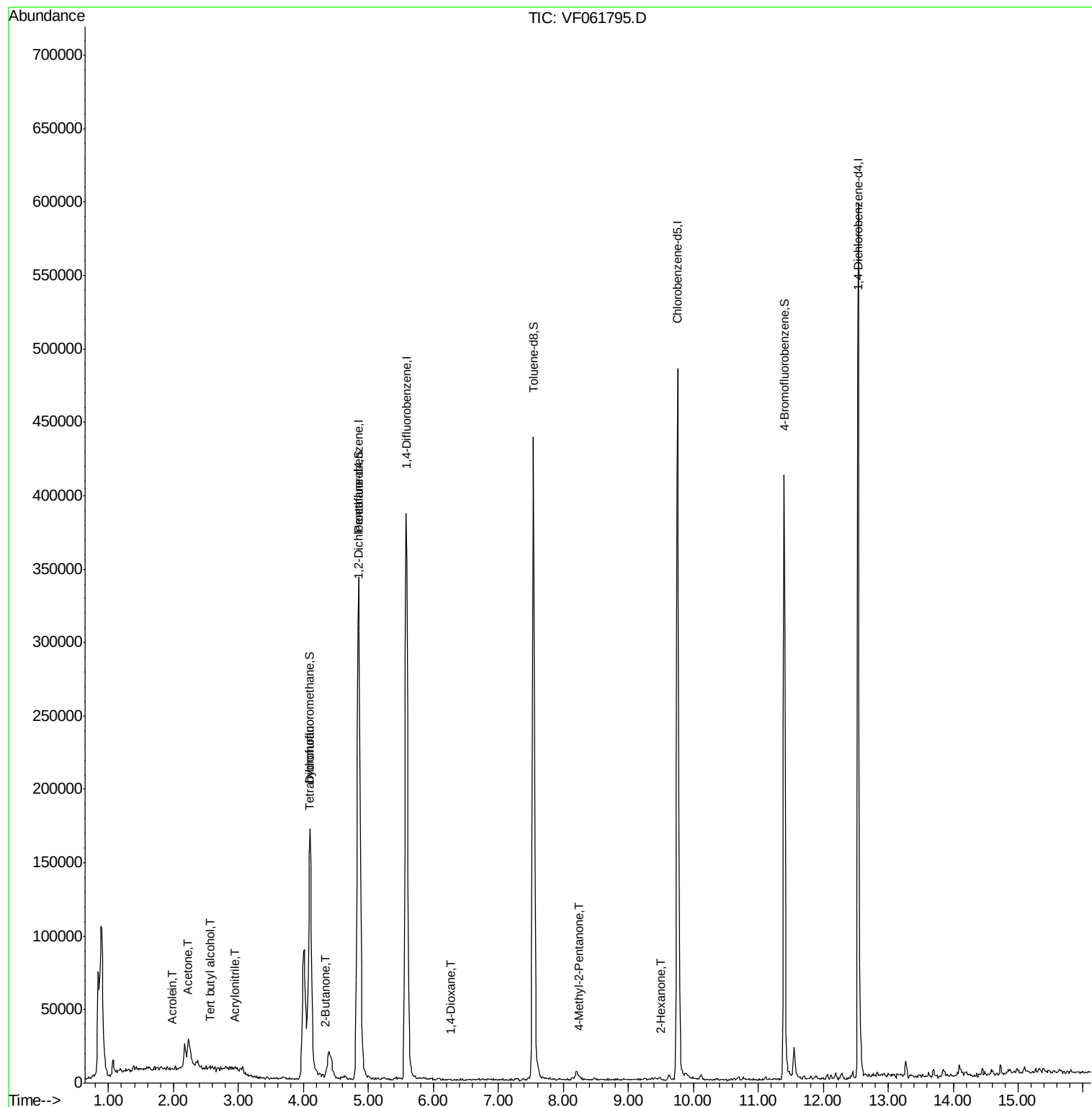
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	637	4.570	ug/l #	1
13) Acrolein	1.99	56	417	2.381	ug/l #	1
15) Acrylonitrile	2.94	53	682	1.380	ug/l	92
16) Acetone	2.23	43	12671	24.522	ug/l #	87
25) 2-Butanone	4.34	43	3671	3.253	ug/l #	55
29) Tetrahydrofuran	4.08	42	1531	2.984	ug/l #	77
49) 1,4-Dioxane	6.26	88	86	5.725	ug/l #	13
51) 4-Methyl-2-Pentanone	8.25	43	2573	1.356	ug/l #	65
59) 2-Hexanone	9.48	43	1857	1.396	ug/l #	59

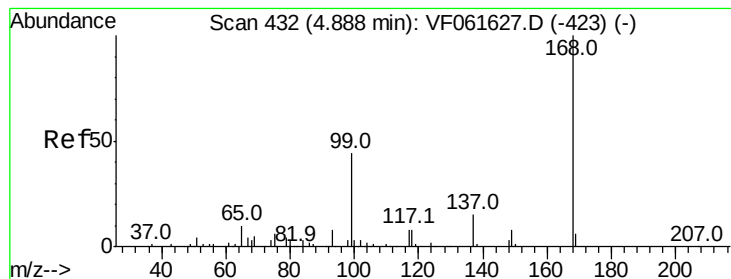
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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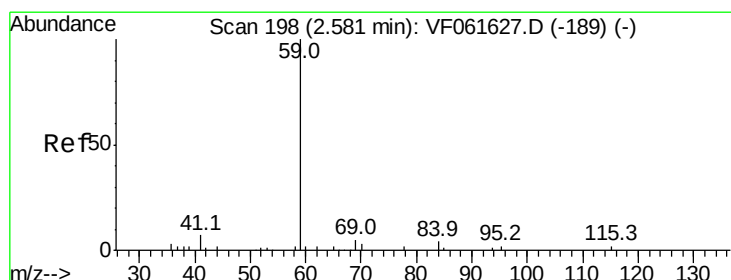
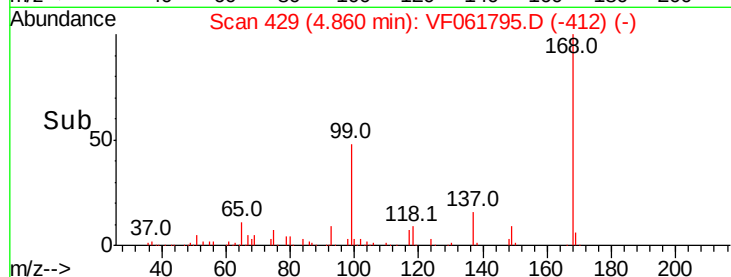
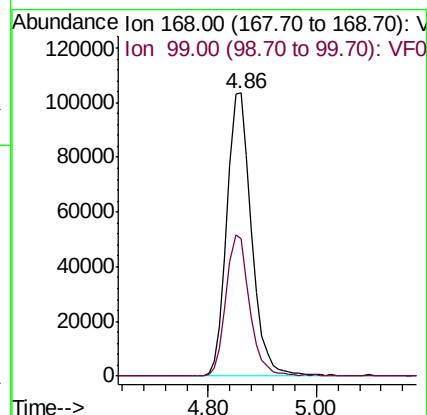
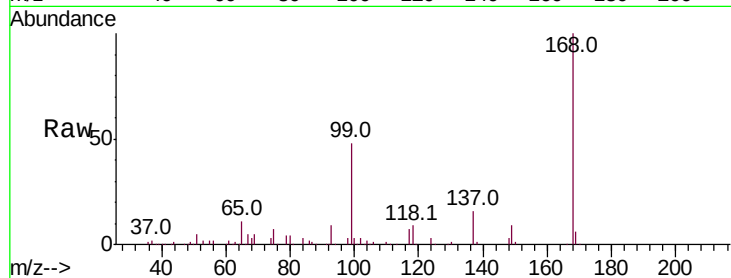




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.03 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

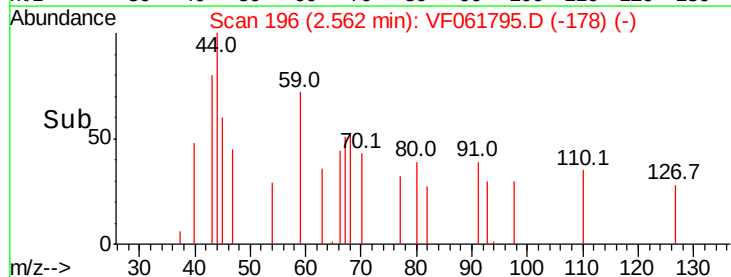
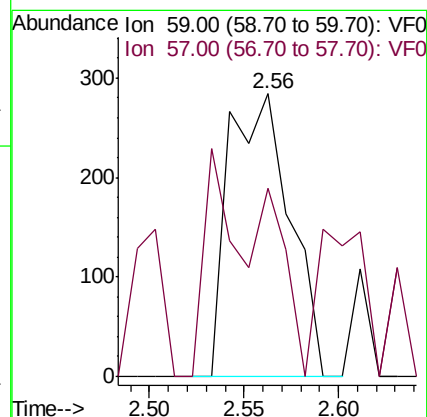
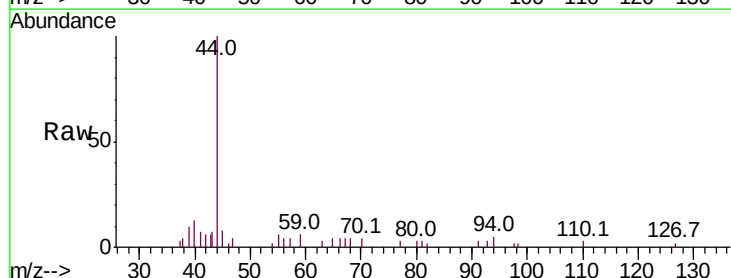
Instrument :
MSVOA_F
ClientSampleId :
44766

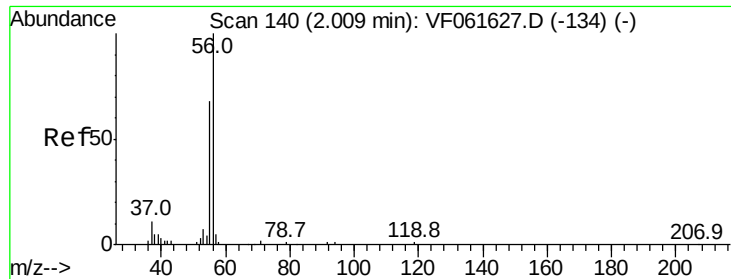
Tot Ion:168 Resp: 328411
Ion Ratio Lower Upper
168 100
99 48.3 34.9 52.3



#11
Tert butyl alcohol
Concen: 4.570 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

Tgt Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 66.5 12.5 18.7#





#13

Acrolein

Concen: 2.381 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

ClientSampleId :

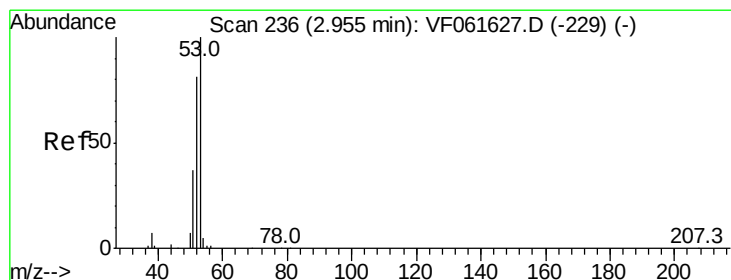
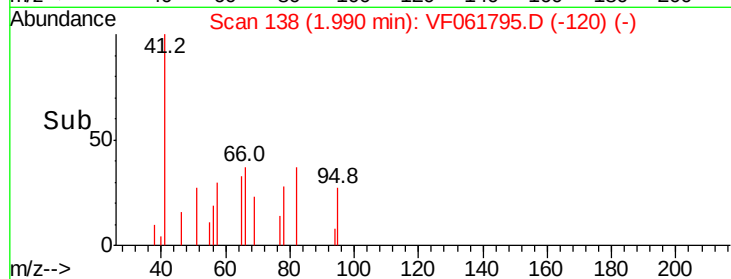
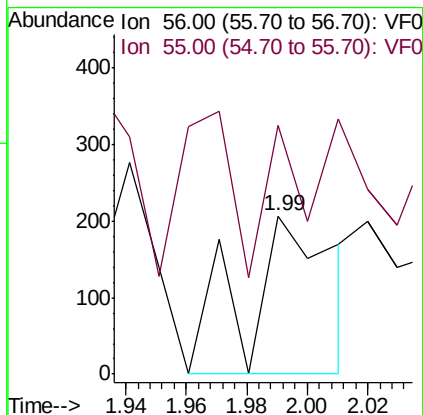
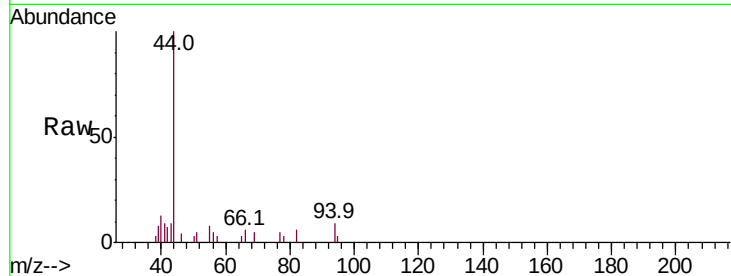
44766

Tot Ion: 56 Resp: 417

Ion Ratio Lower Upper

56 100

55 157.5 55.0 82.6#



#15

Acrylonitrile

Concen: 1.380 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

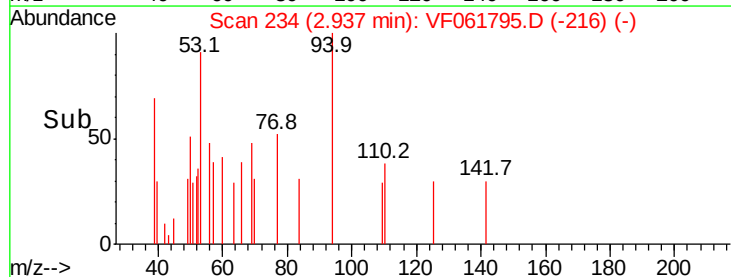
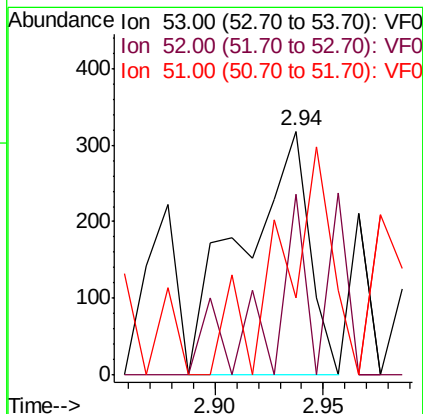
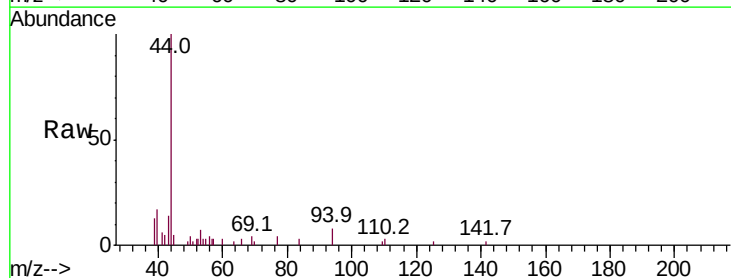
Tgt Ion: 53 Resp: 682

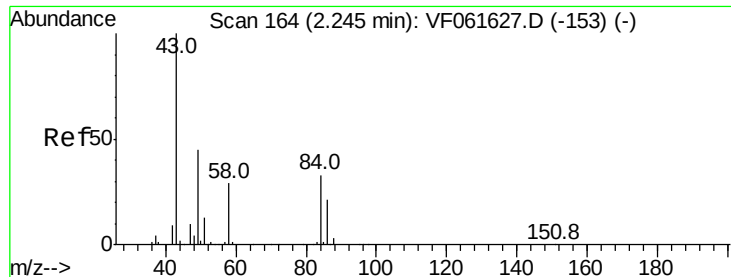
Ion Ratio Lower Upper

53 100

52 74.2 64.6 97.0

51 31.8 29.8 44.8





#16

Acetone

Concen: 24.522 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

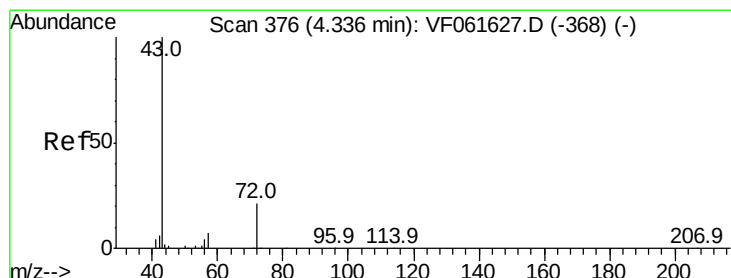
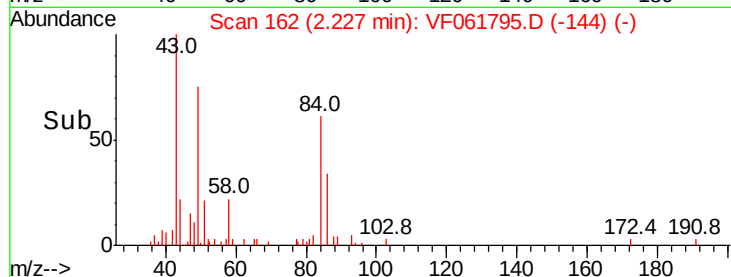
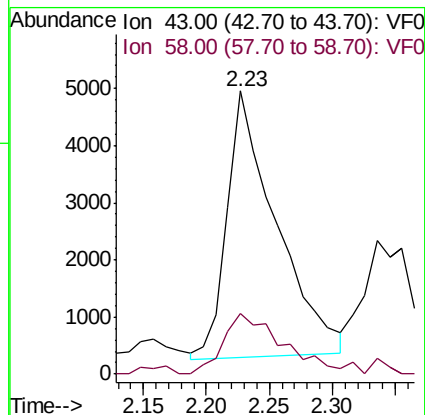
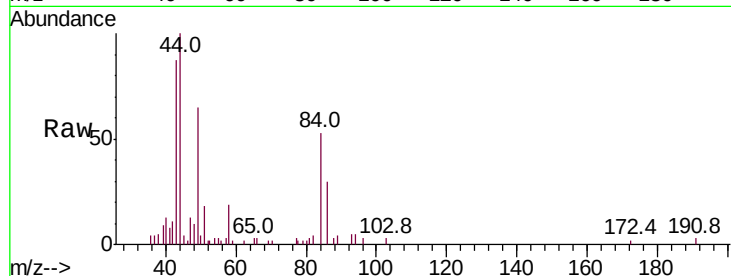
Instrument :
MSVOA_F
ClientSampleId :
44766

Tot Ion: 43 Resp: 12671

Ion Ratio Lower Upper

43 100

58 21.6 22.9 34.3#



#25

2-Butanone

Concen: 3.253 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061795.D

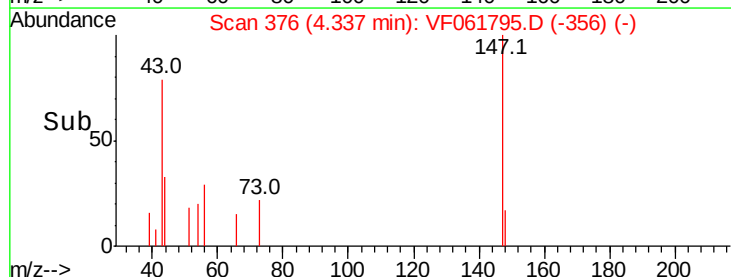
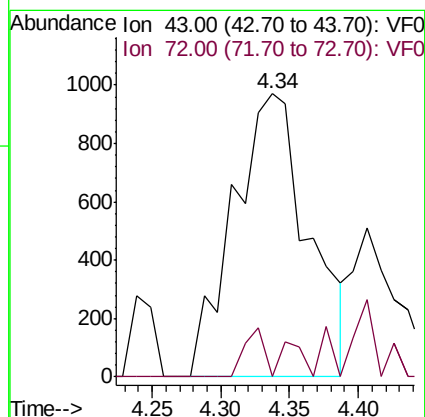
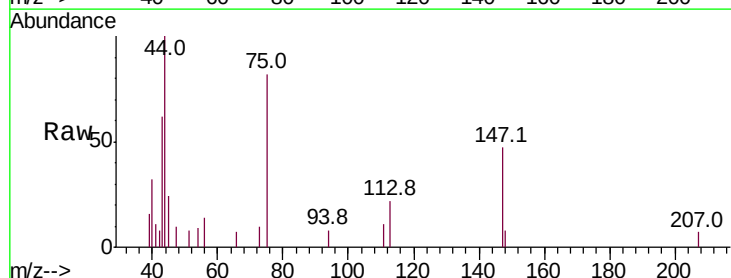
Acq: 28 Feb 2019 18:50

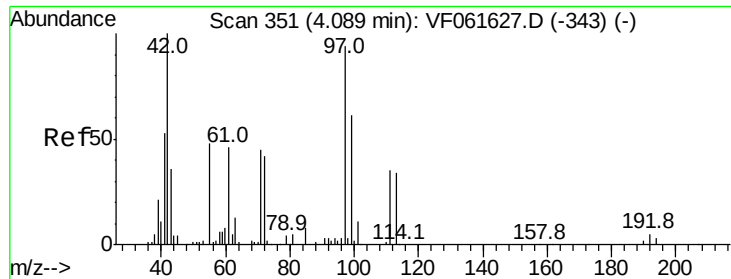
Tgt Ion: 43 Resp: 3671

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#





#29

Tetrahydrofuran

Concen: 2.984 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

ClientSampleId :

44766

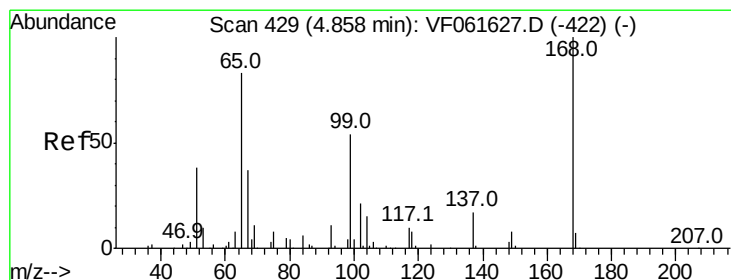
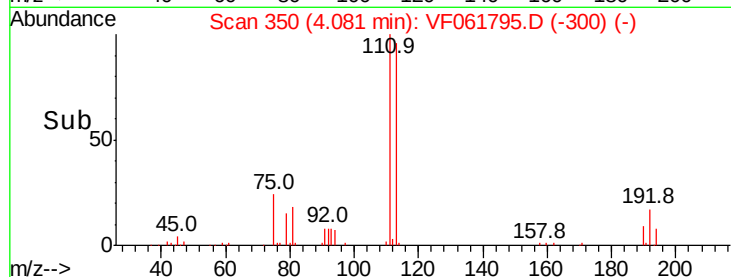
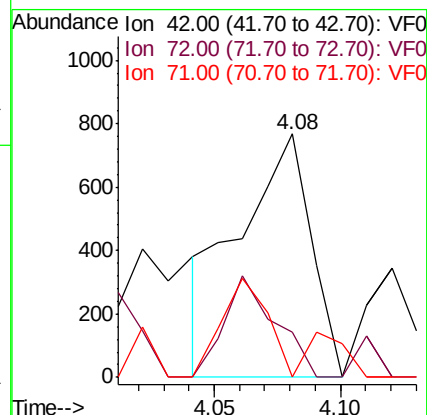
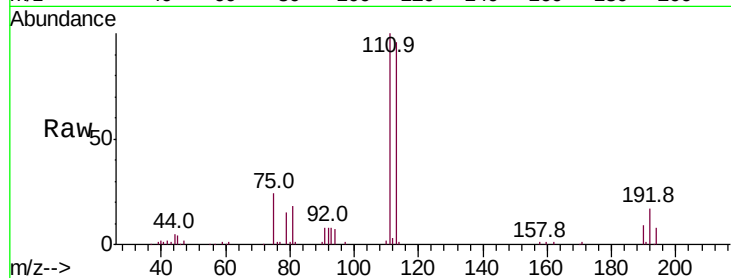
Tot Ion: 42 Resp: 1531

Ion Ratio Lower Upper

42 100

72 29.9 35.2 52.8#

71 25.9 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 43.644 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061795.D

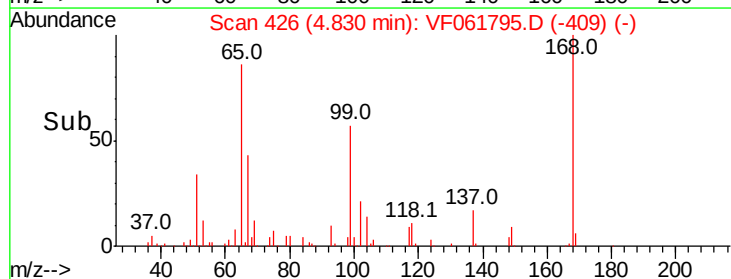
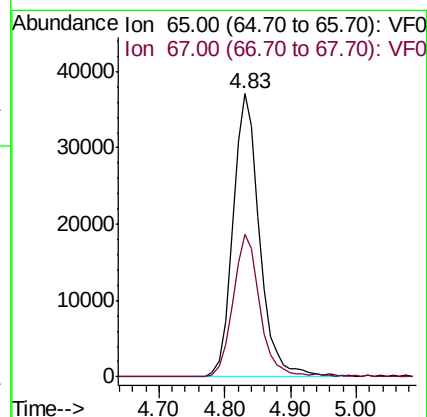
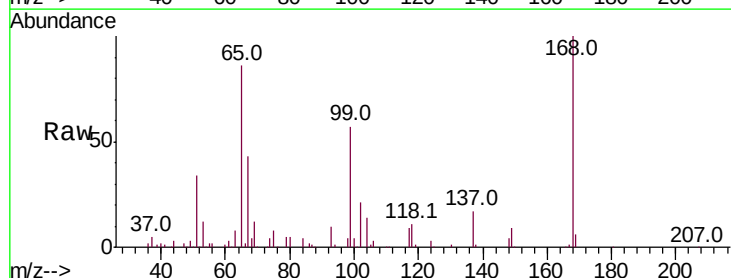
Acq: 28 Feb 2019 18:50

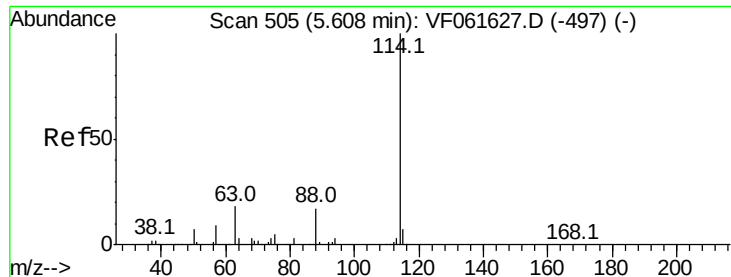
Tgt Ion: 65 Resp: 105106

Ion Ratio Lower Upper

65 100

67 50.3 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: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

ClientSampleId :

44766

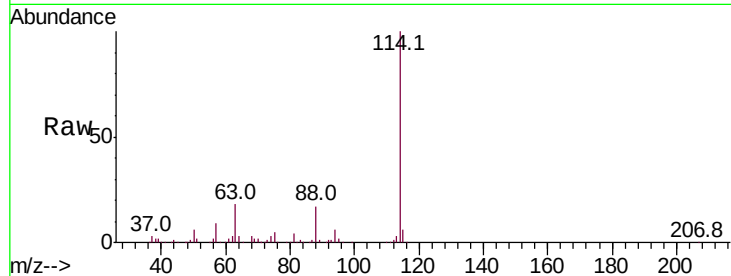
Tot Ion:114 Resp: 487512

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

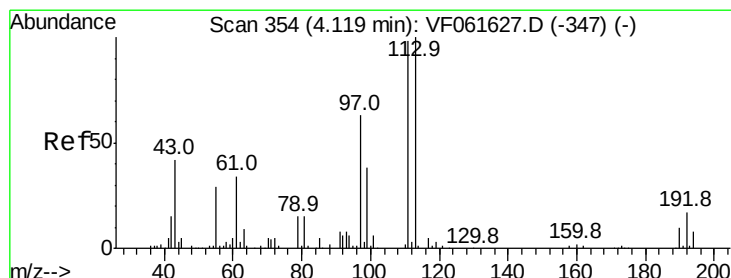
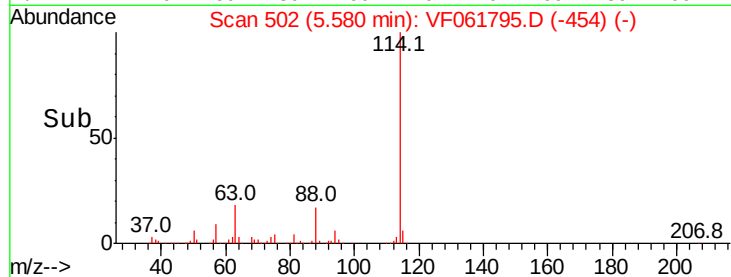
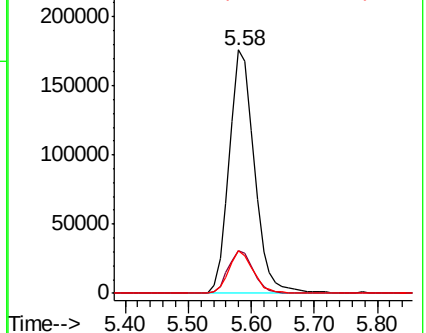
88 17.4 0.0 34.4



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: 44.280 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

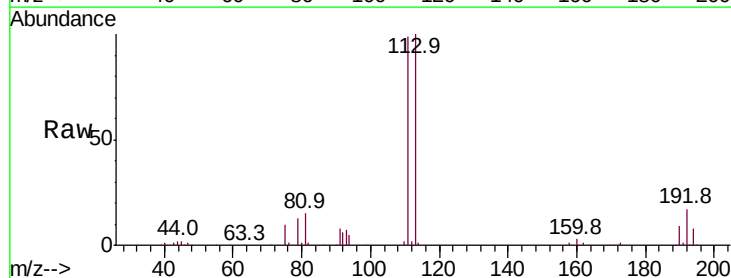
Tgt Ion:113 Resp: 160308

Ion Ratio Lower Upper

113 100

111 98.9 78.8 118.2

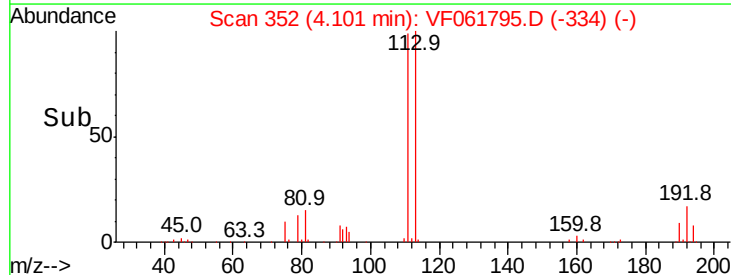
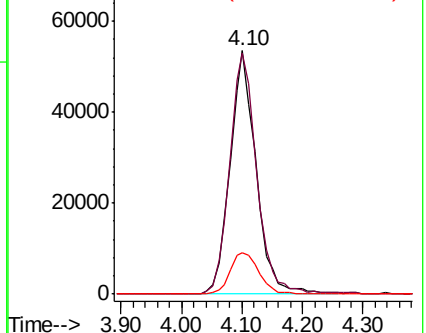
192 16.8 13.4 20.0

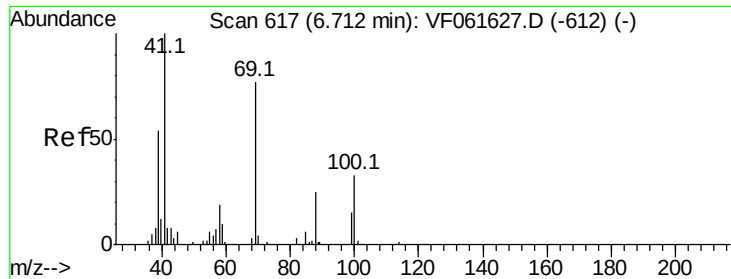


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

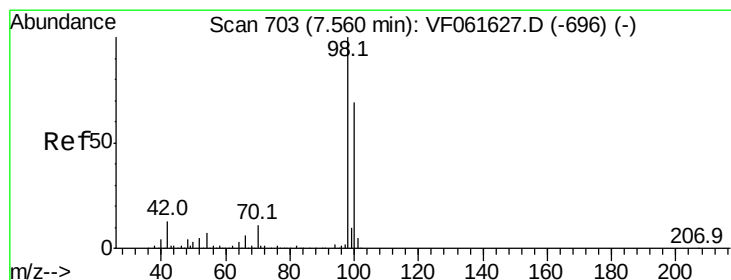
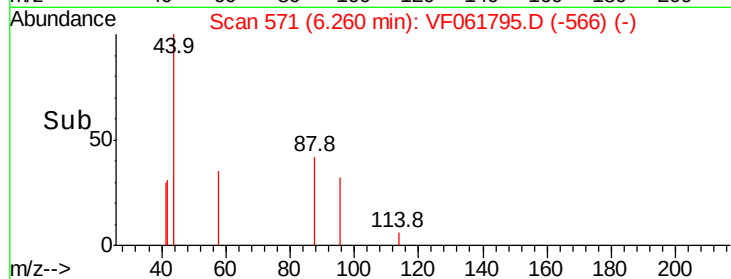
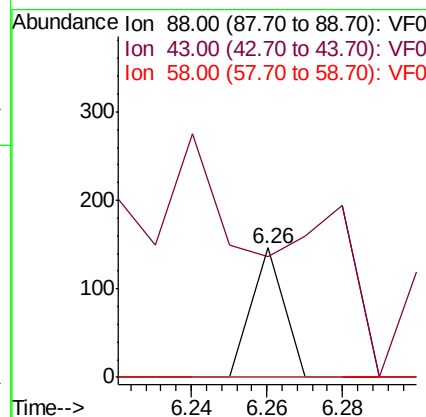
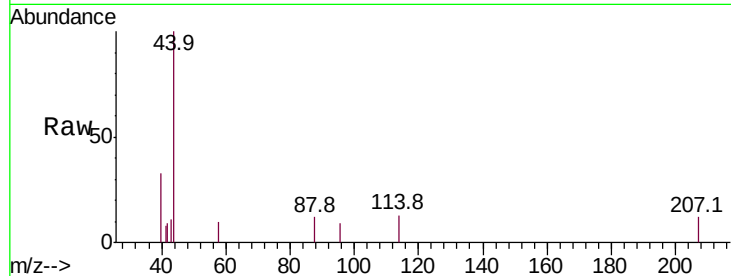




#49
1,4-Dioxane
Concen: 5.725 ug/l
RT: 6.26 min Scan# 571
Delta R.T. -0.45 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

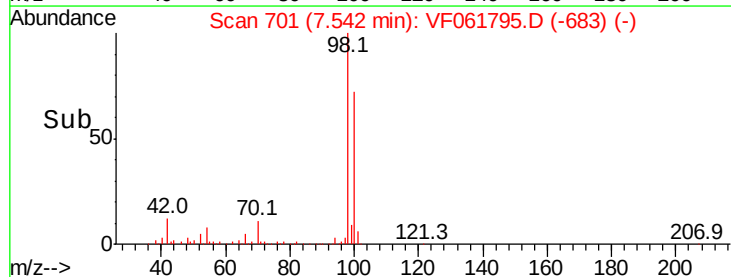
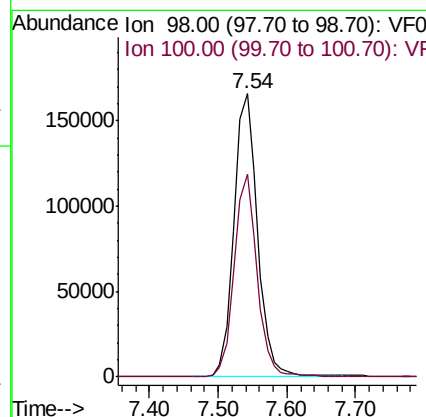
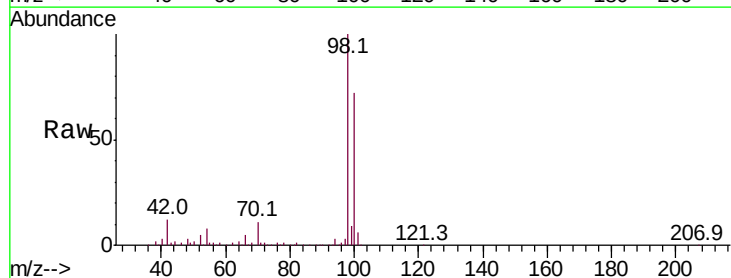
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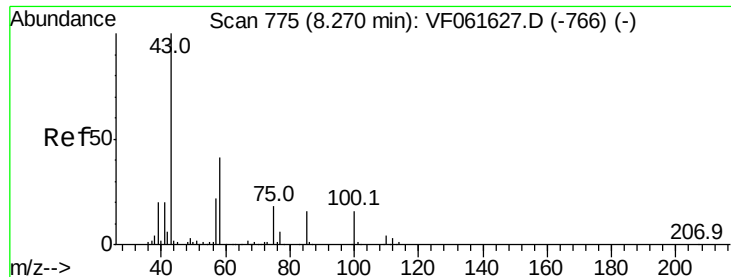
Tot Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 93.2 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 37.929 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061795.D
Acq: 28 Feb 2019 18:50

Tgt Ion: 98 Resp: 394741
Ion Ratio Lower Upper
98 100
100 71.7 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 1.356 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

ClientSampleId :

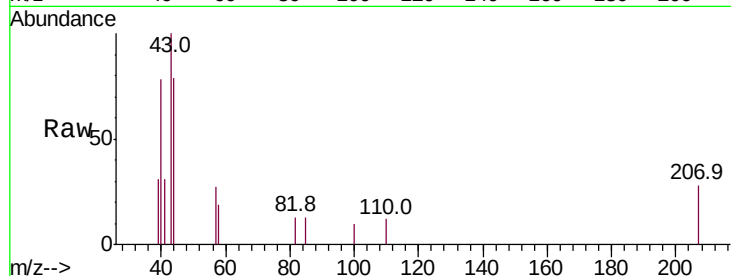
44766

Tot Ion: 43 Resp: 2573

Ion Ratio Lower Upper

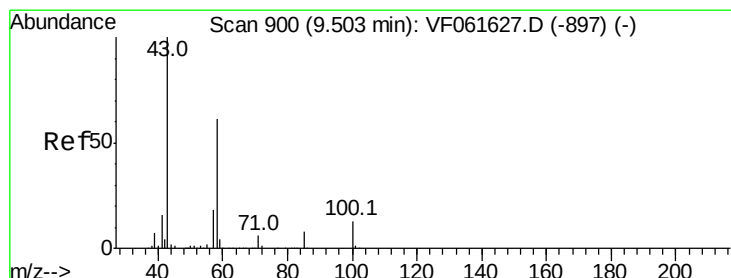
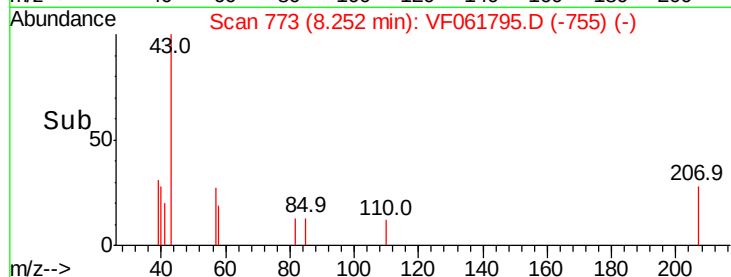
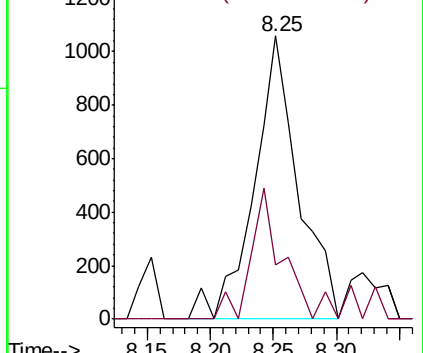
43 100

58 19.2 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 1.396 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061795.D

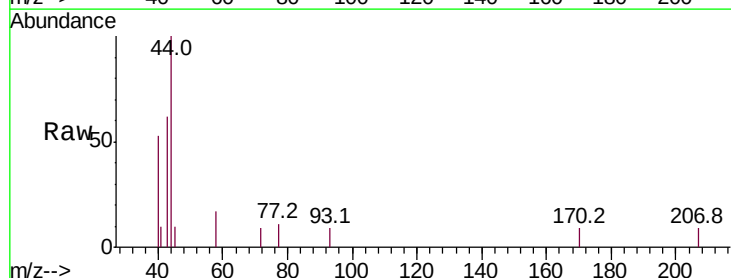
Acq: 28 Feb 2019 18:50

Tgt Ion: 43 Resp: 1857

Ion Ratio Lower Upper

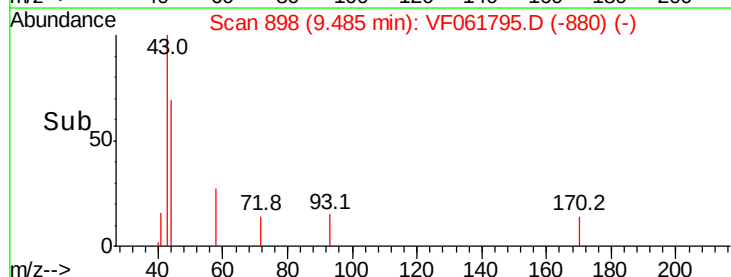
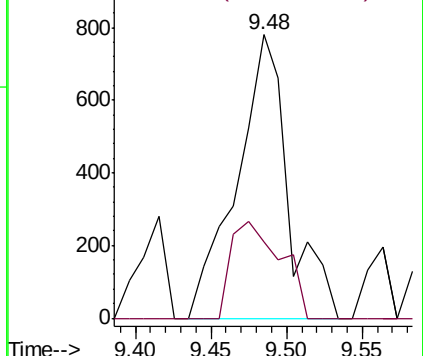
43 100

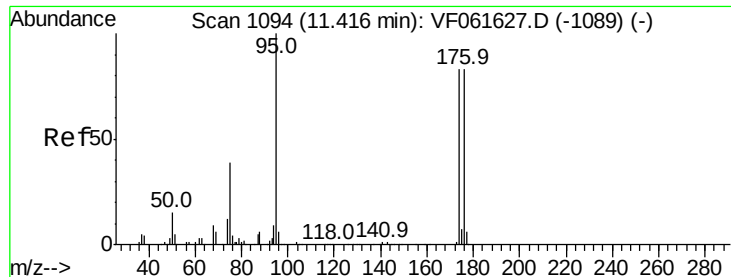
58 27.1 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 36.324 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

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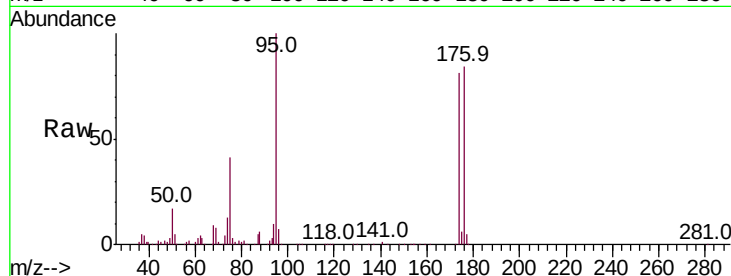
Tot Ion: 95 Resp: 152961

Ion Ratio Lower Upper

95 100

174 80.8 0.0 165.8

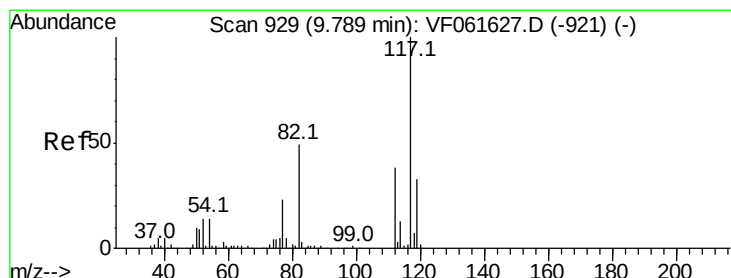
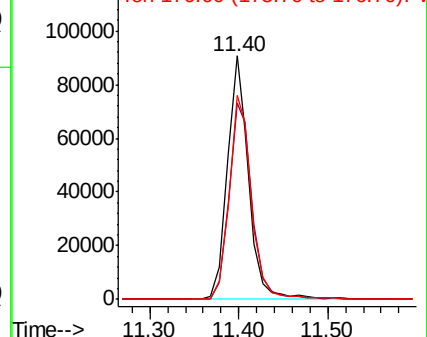
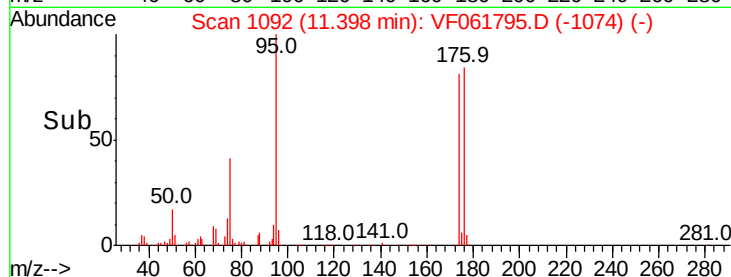
176 83.8 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

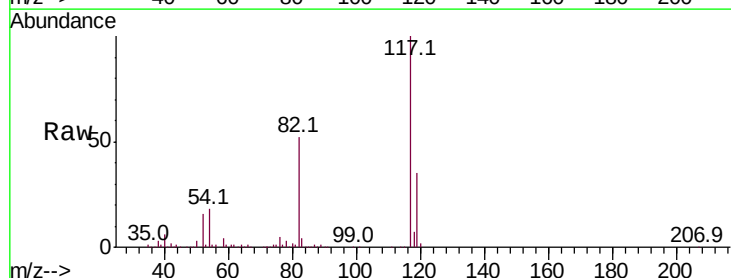
Tgt Ion: 117 Resp: 392952

Ion Ratio Lower Upper

117 100

82 51.6 39.3 58.9

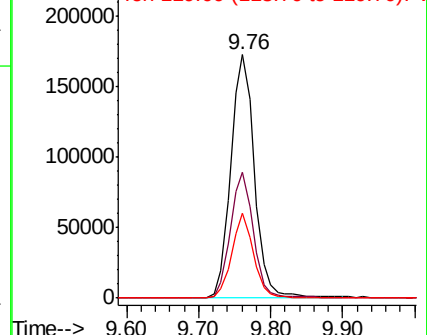
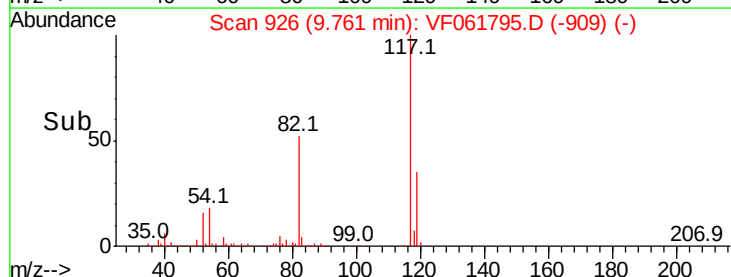
119 34.9 26.6 40.0

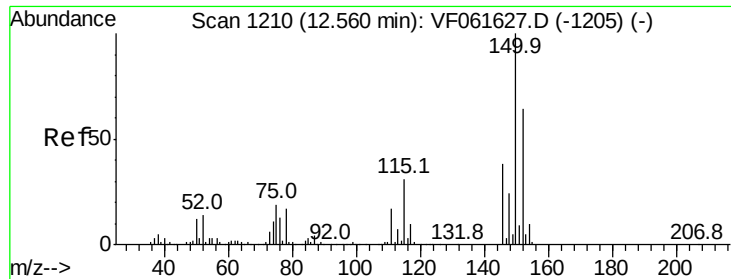


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061795.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_F

ClientSampleId :

44766

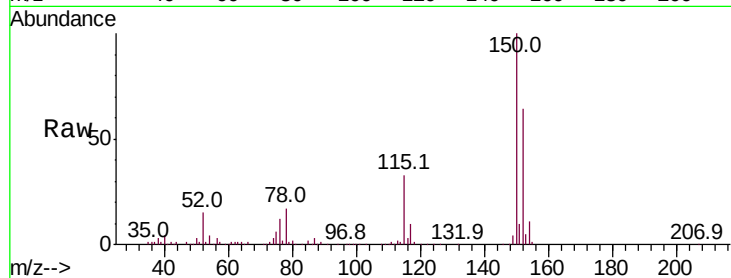
Tot Ion:152 Resp: 173990

Ion Ratio Lower Upper

152 100

115 50.9 24.3 72.8

150 155.2 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

