

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061791.D
 Acq On : 28 Feb 2019 16:57
 Operator : VA/AP
 Sample : K1652-12RE
 Misc : 5.12g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 COMP-DAY-2

Quant Time: Mar 01 00:19:52 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

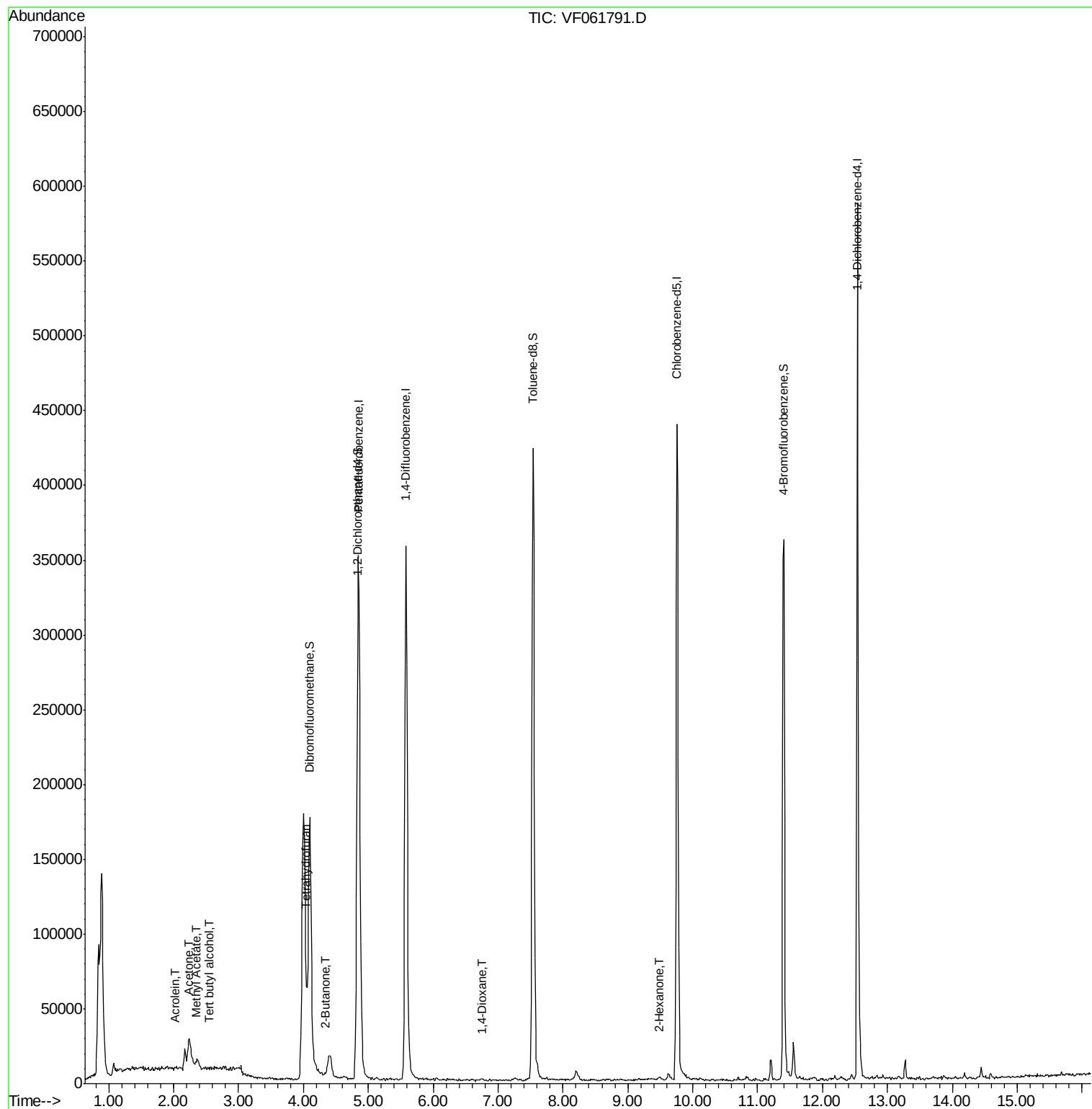
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	333963	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	476899	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	362870	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	165697	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	113354	46.29	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.58%	
35) Dibromofluoromethane	4.10	113	161800	45.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.38%	
50) Toluene-d8	7.54	98	380377	37.36	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	74.72%	
62) 4-Bromofluorobenzene	11.39	95	147840	35.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	71.78%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.55	59	662	4.671	ug/l #	38
13) Acrolein	2.02	56	319	1.791	ug/l #	1
16) Acetone	2.22	43	18098	34.443	ug/l	98
18) Methyl Acetate	2.34	43	7005	5.918	ug/l #	83
20) Methylene Chloride	2.18	84	6250	Below Cal		93
25) 2-Butanone	4.33	43	1248	1.087	ug/l #	81
29) Tetrahydrofuran	4.05	42	2452	4.700	ug/l #	75
49) 1,4-Dioxane	6.75	88	88	5.989	ug/l #	20
59) 2-Hexanone	9.48	43	2316	1.780	ug/l	93

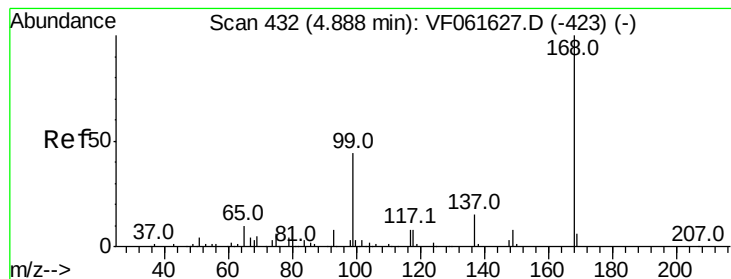
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061791.D

Acq: 28 Feb 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

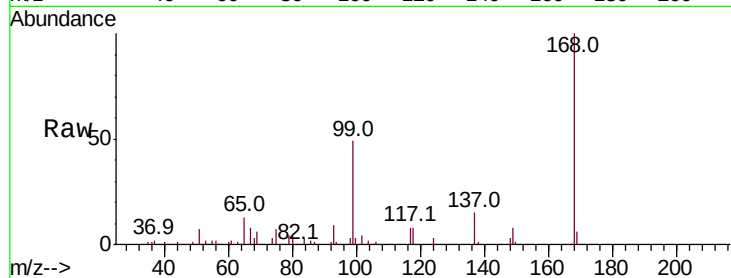
COMP-DAY-2

Tot Ion:168 Resp: 333963

Ion Ratio Lower Upper

168 100

99 48.8 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

120000

100000

80000

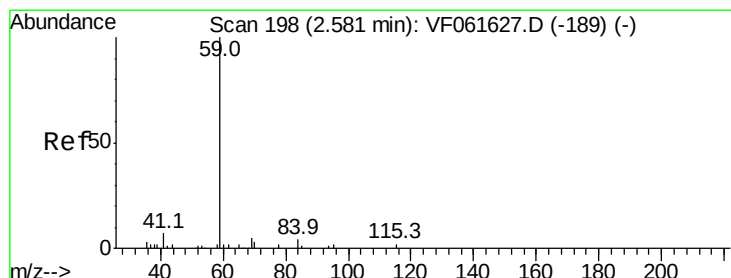
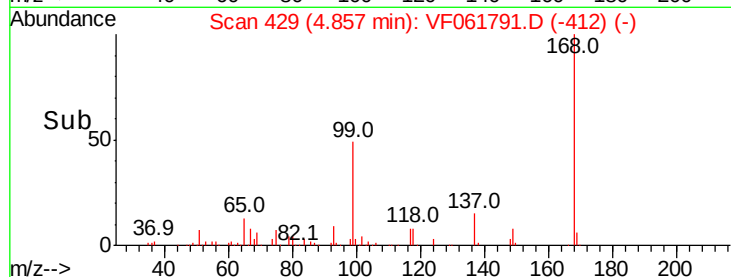
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.671 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF061791.D

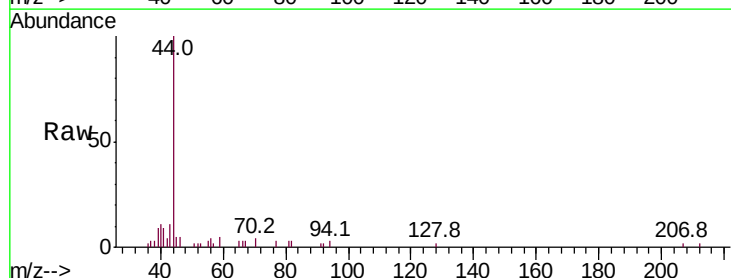
Acq: 28 Feb 2019 16:57

Tgt Ion: 59 Resp: 662

Ion Ratio Lower Upper

59 100

57 41.7 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.55

300

250

200

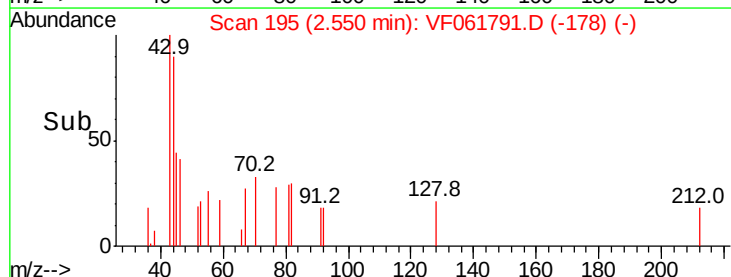
150

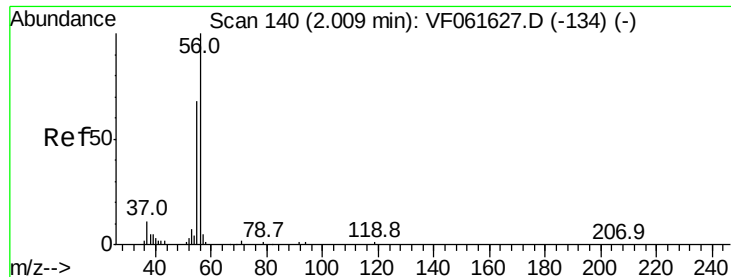
100

50

0

Time-->





#13

Acrolein

Concen: 1.791 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF061791.D

Acq: 28 Feb 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

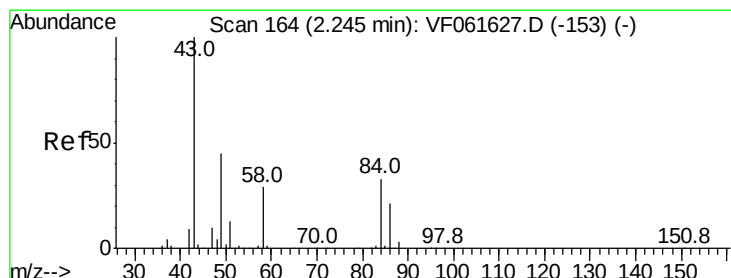
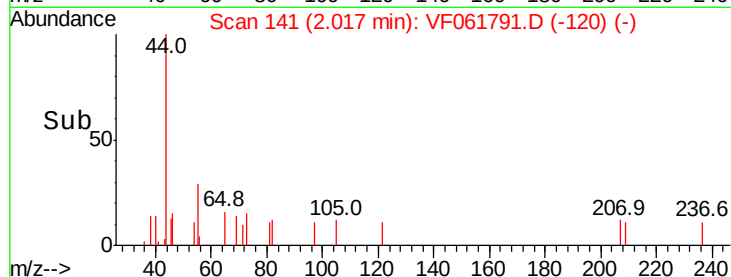
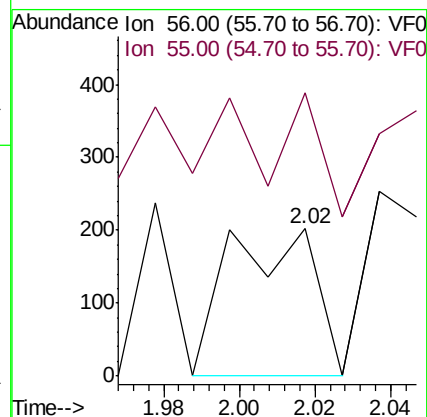
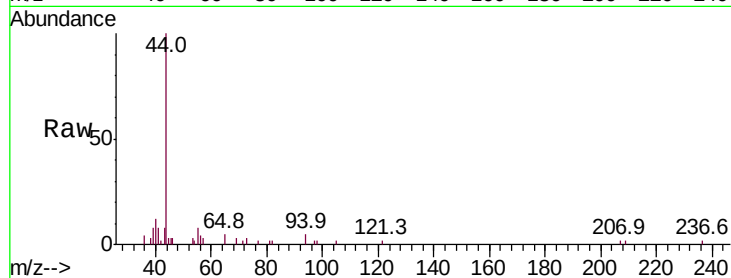
COMP-DAY-2

Tot Ion: 56 Resp: 319

Ion Ratio Lower Upper

56 100

55 192.1 55.0 82.6#



#16

Acetone

Concen: 34.443 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061791.D

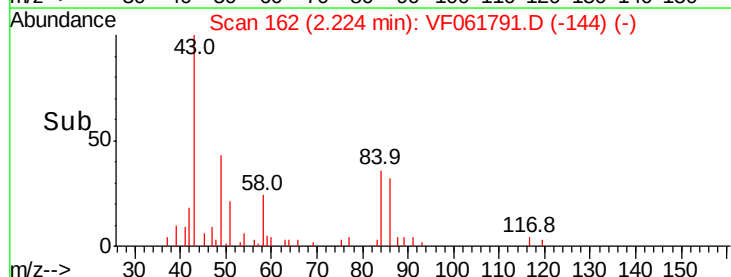
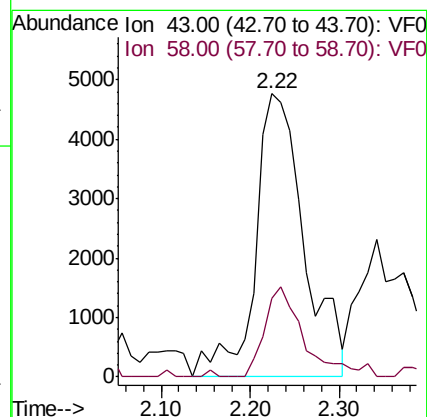
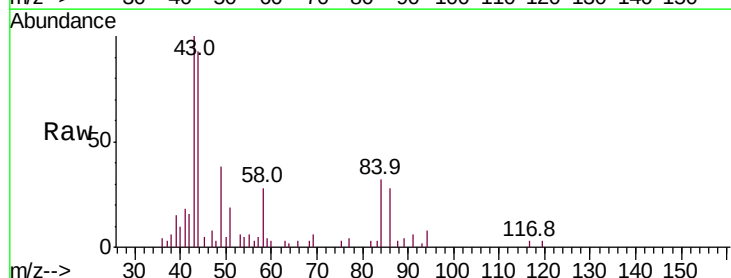
Acq: 28 Feb 2019 16:57

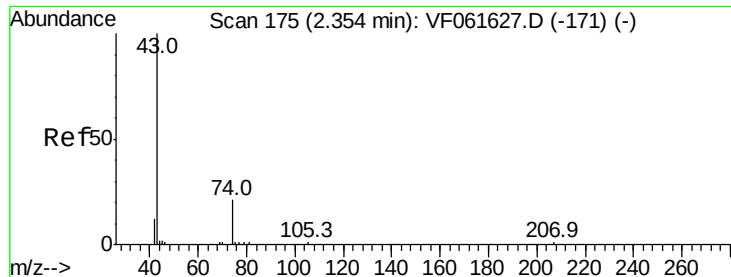
Tgt Ion: 43 Resp: 18098

Ion Ratio Lower Upper

43 100

58 27.5 22.9 34.3

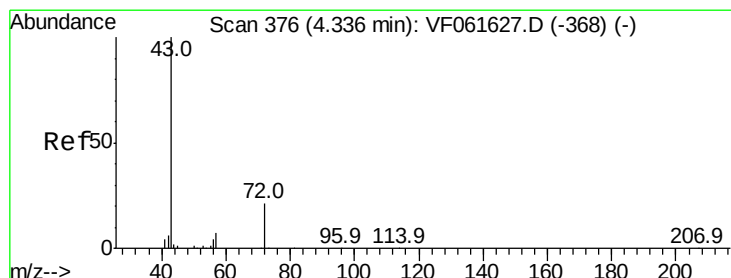
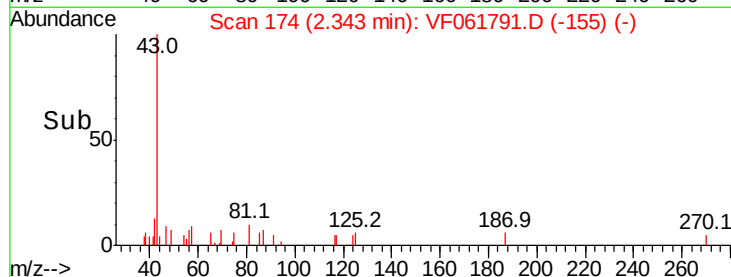
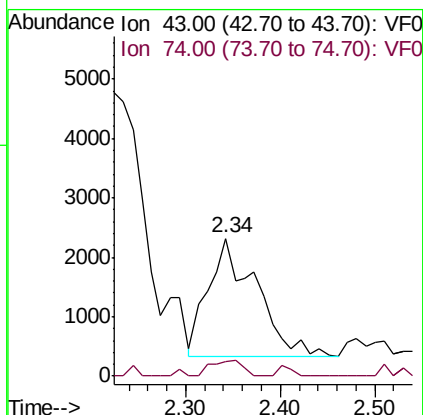
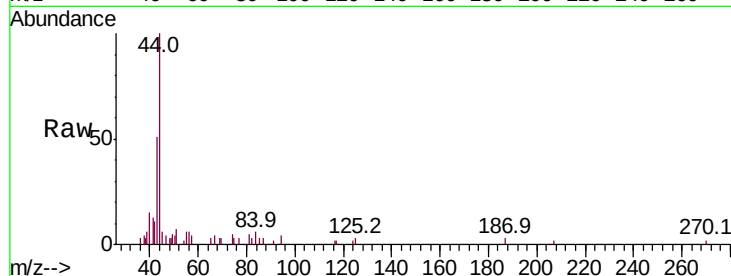




#18
Methyl Acetate
Concen: 5.918 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

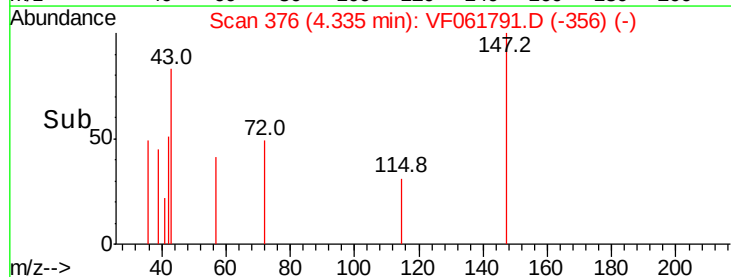
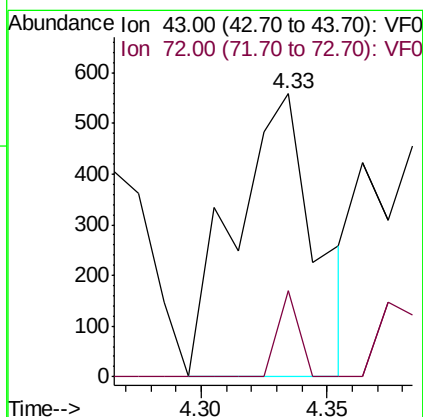
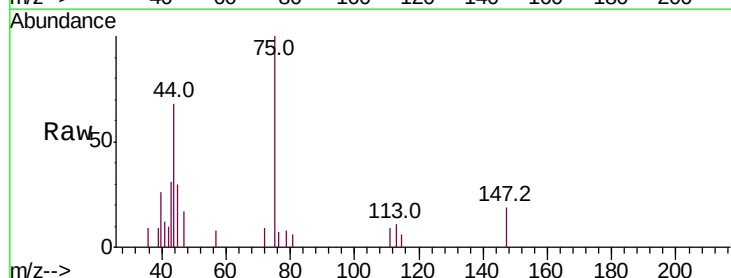
Instrument :
MSVOA_F
ClientSampled :
COMP-DAY-2

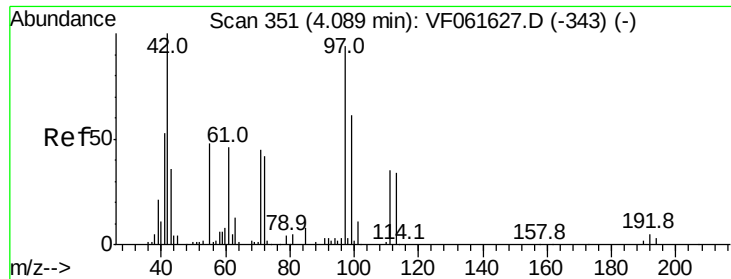
Tot Ion: 43 Resp: 7005
Ion Ratio Lower Upper
43 100
74 10.7 14.6 21.8#



#25
2-Butanone
Concen: 1.087 ug/l
RT: 4.33 min Scan# 376
Delta R.T. -0.00 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
72 30.3 17.1 25.7#





#29

Tetrahydrofuran

Concen: 4.700 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF061791.D

Acq: 28 Feb 2019 16:57

Instrument :

MSVOA_F

ClientSampled :

COMP-DAY-2

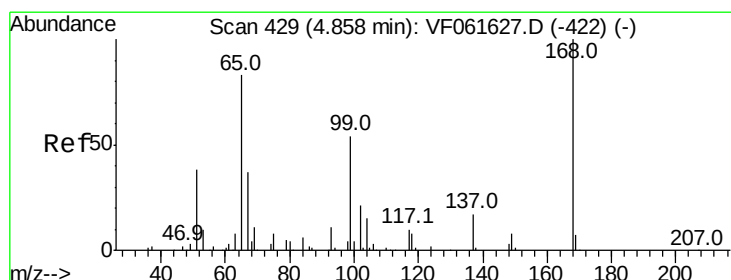
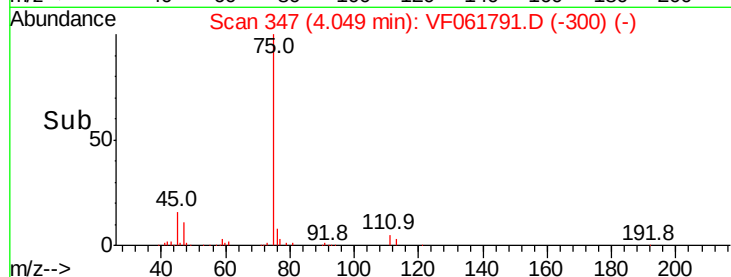
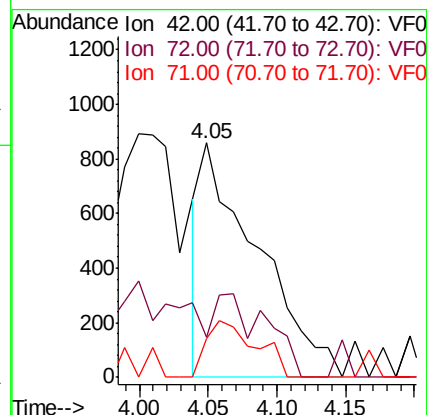
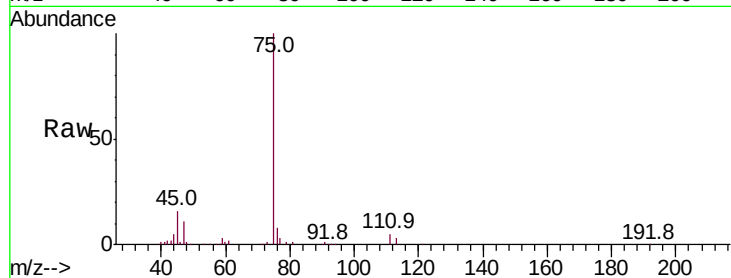
Tot Ion: 42 Resp: 2452

Ion Ratio Lower Upper

42 100

72 32.0 35.2 52.8#

71 21.2 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 46.286 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061791.D

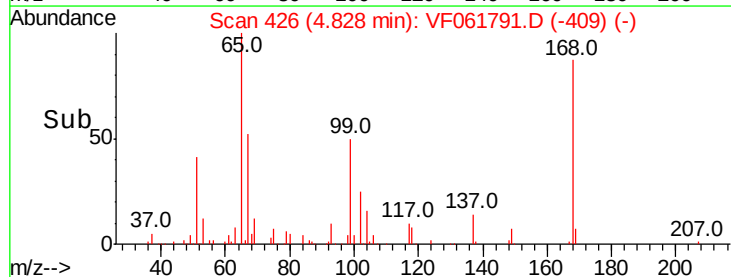
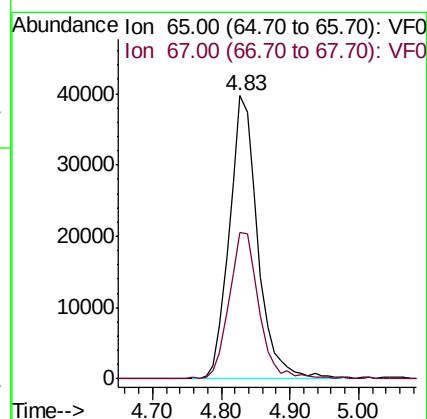
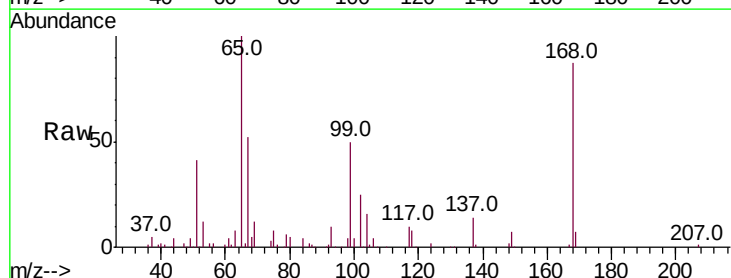
Acq: 28 Feb 2019 16:57

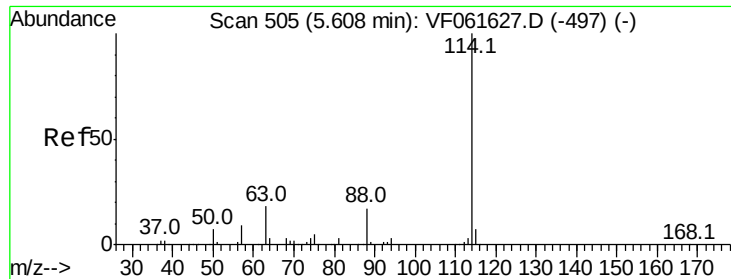
Tgt Ion: 65 Resp: 113354

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061791.D

Acq: 28 Feb 2019 16:57

Instrument :

MSVOA_F

ClientSampleId :

COMP-DAY-2

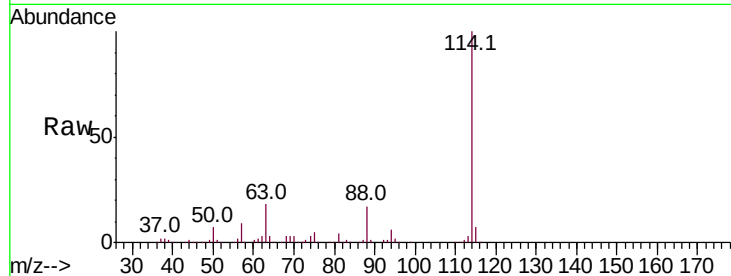
Tot Ion:114 Resp: 476899

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

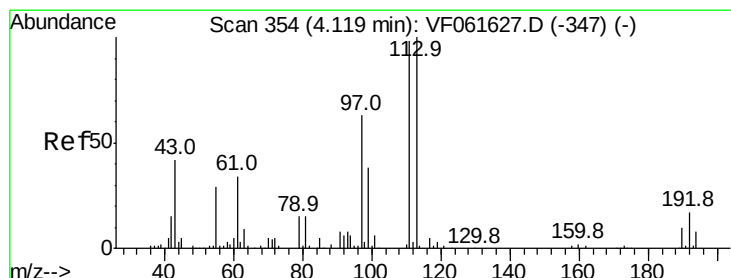
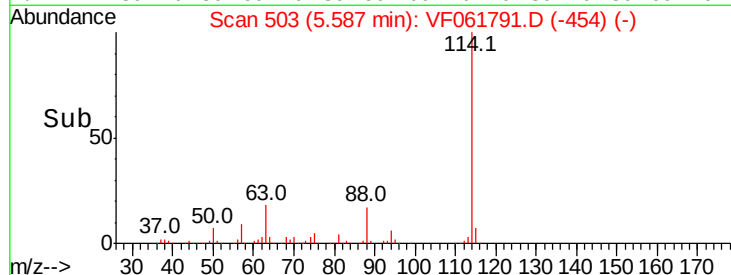
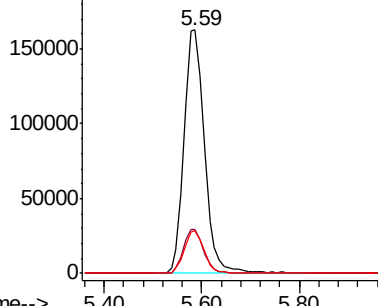
88 17.3 0.0 34.4



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: 45.687 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061791.D

Acq: 28 Feb 2019 16:57

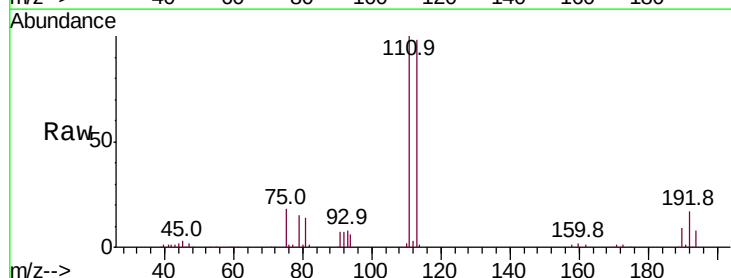
Tgt Ion:113 Resp: 161800

Ion Ratio Lower Upper

113 100

111 102.1 78.8 118.2

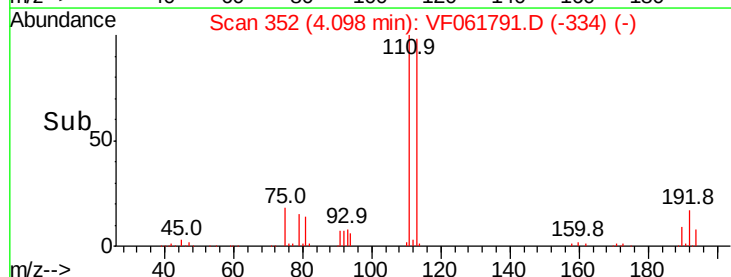
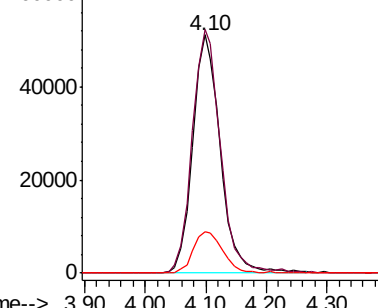
192 17.2 13.4 20.0

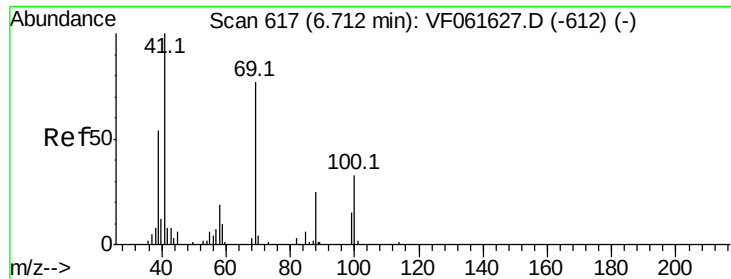


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

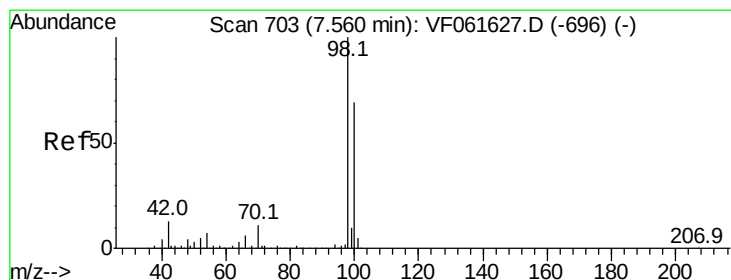
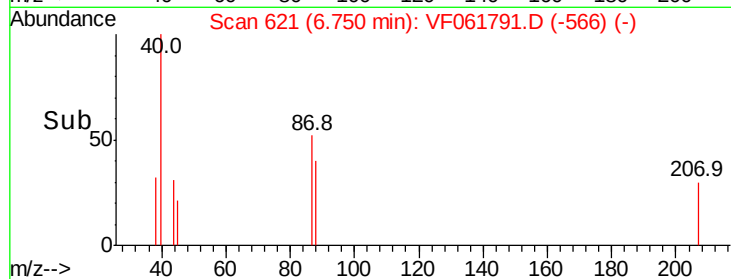
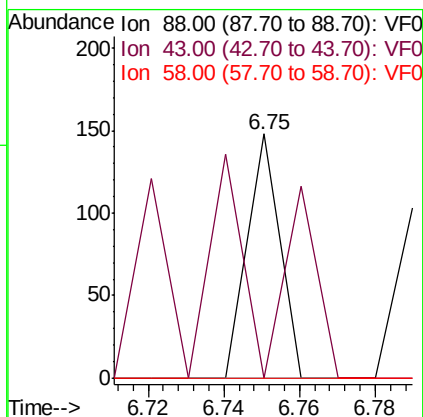
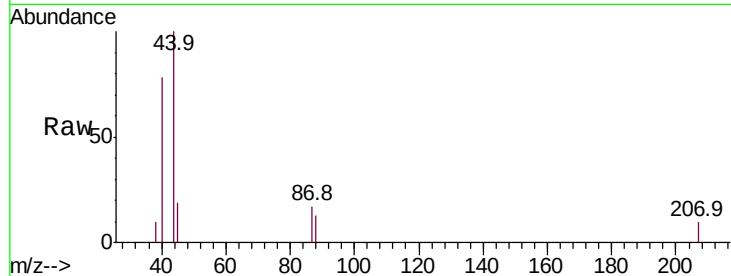




#49
1,4-Dioxane
Concen: 5.989 ug/l
RT: 6.75 min Scan# 621
Delta R.T. 0.04 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

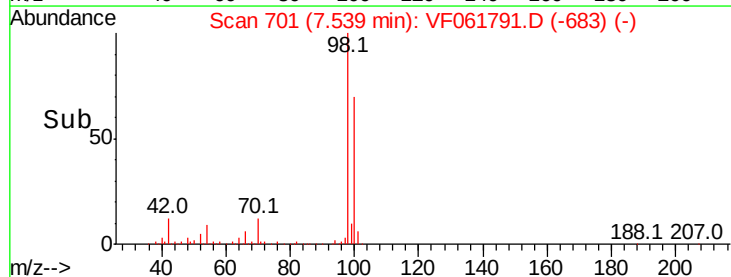
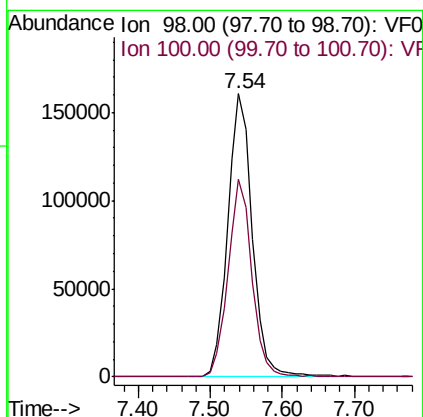
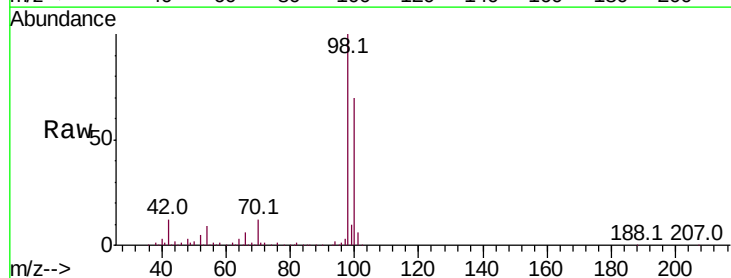
Instrument :
MSVOA_F
ClientSampled :
COMP-DAY-2

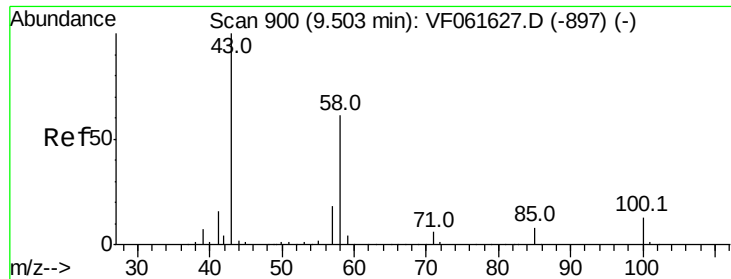
Tot Ion: 88 Resp: 88
Ion Ratio Lower Upper
88 100
43 0.0 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 37.362 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

Tgt Ion: 98 Resp: 380377
Ion Ratio Lower Upper
98 100
100 69.7 55.4 83.2

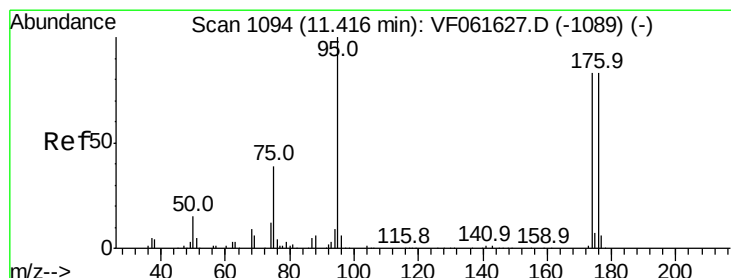
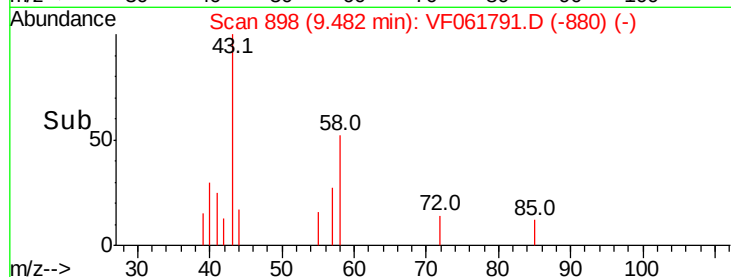
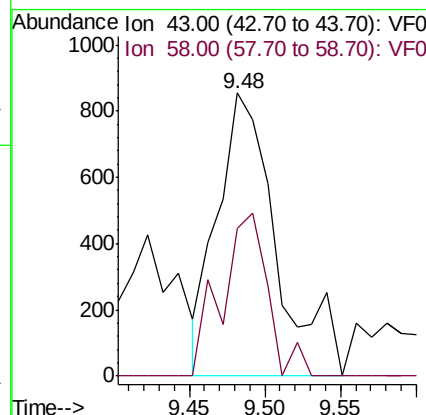
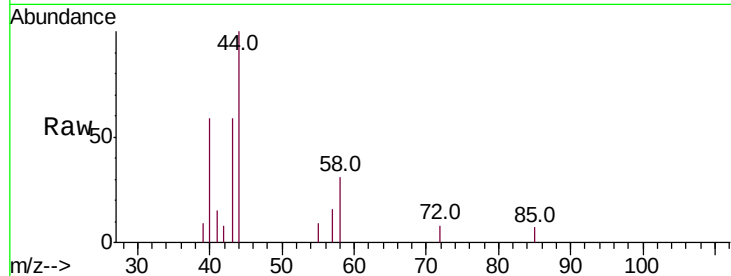




#59
2-Hexanone
Concen: 1.780 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.02 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

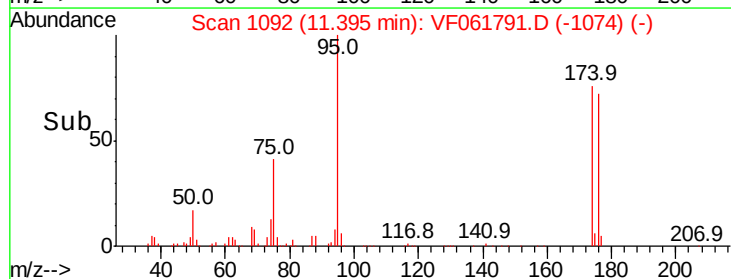
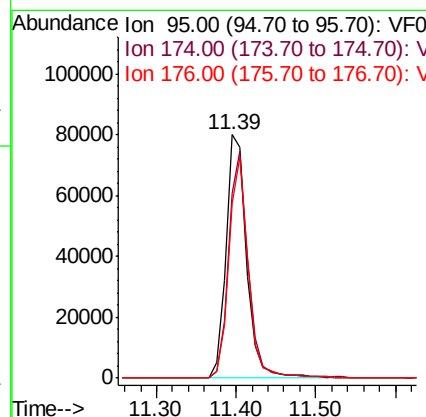
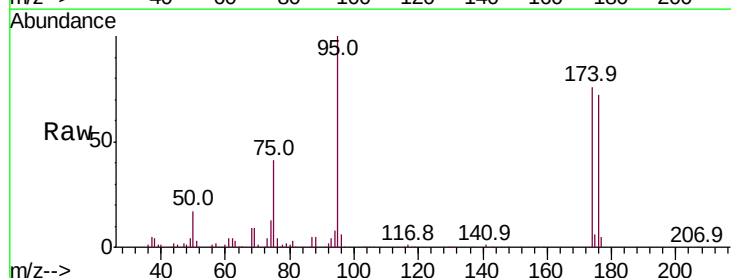
Instrument :
MSVOA_F
ClientSampleId :
COMP-DAY-2

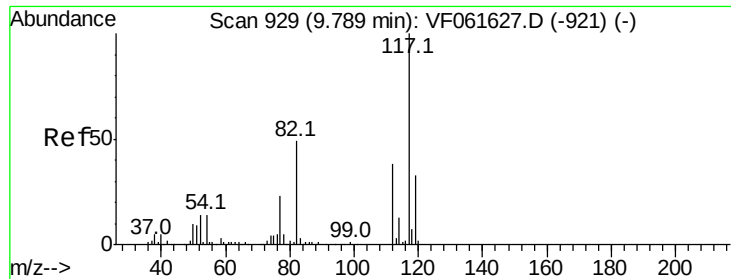
Tot Ion: 43 Resp: 2316
Ion Ratio Lower Upper
43 100
58 52.1 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 35.889 ug/l
RT: 11.39 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

Tgt Ion: 95 Resp: 147840
Ion Ratio Lower Upper
95 100
174 75.7 0.0 165.8
176 71.7 0.0 167.0

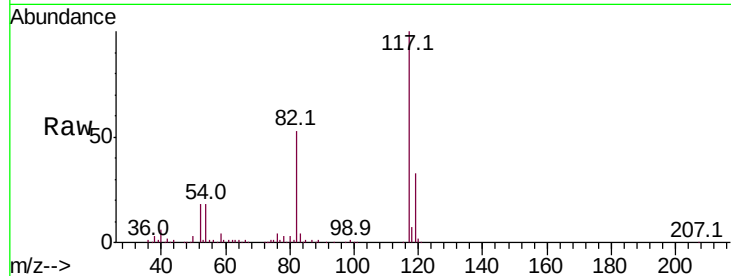




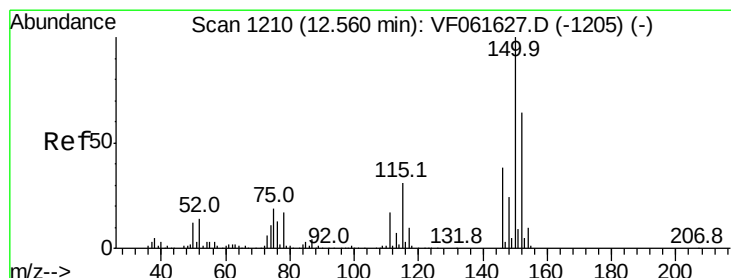
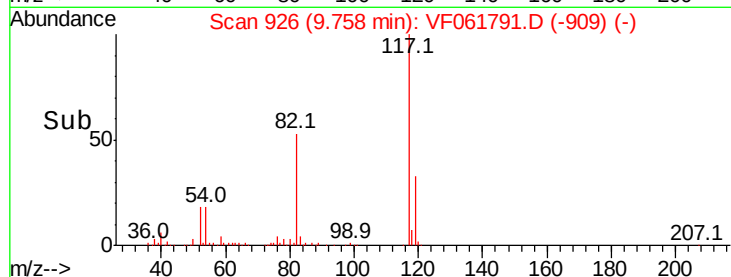
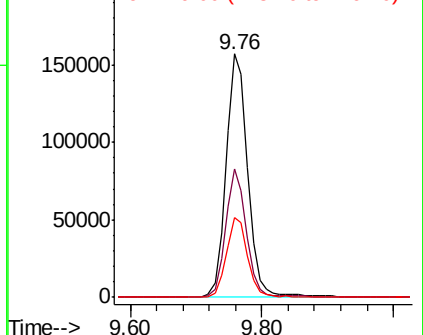
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

Instrument :
MSVOA_F
ClientSampleId :
COMP-DAY-2

Tot Ion:117 Resp: 362870
Ion Ratio Lower Upper
117 100
82 52.6 39.3 58.9
119 32.6 26.6 40.0

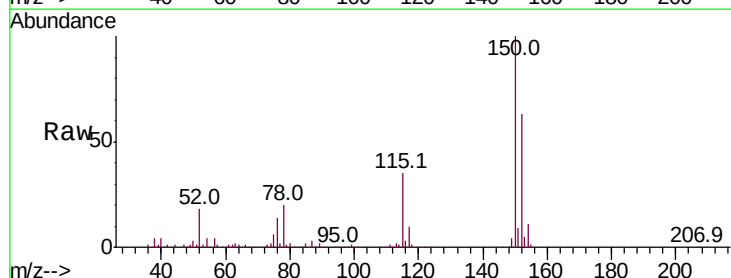


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061791.D
Acq: 28 Feb 2019 16:57

Tgt Ion:152 Resp: 165697
Ion Ratio Lower Upper
152 100
115 56.1 24.3 72.8
150 158.6 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

