

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060469.D
 Acq On : 5 Oct 2018 21:56
 Operator : VA/AP
 Sample : J5300-01RE
 Misc : 5.03/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SR-STONERE

Quant Time: Oct 06 04:38:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	191730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	303839	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	270203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	163304	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	138342	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	4.29	113	704	0.25	ug/l	0.02
Spiked Amount			Recovery	=	0.50%	
50) Toluene-d8	7.69	98	235453	33.49	ug/l	0.00
Spiked Amount			Recovery	=	66.98%	
62) 4-Bromofluorobenzene	11.49	95	115201	35.89	ug/l	0.00
Spiked Amount			Recovery	=	71.78%	

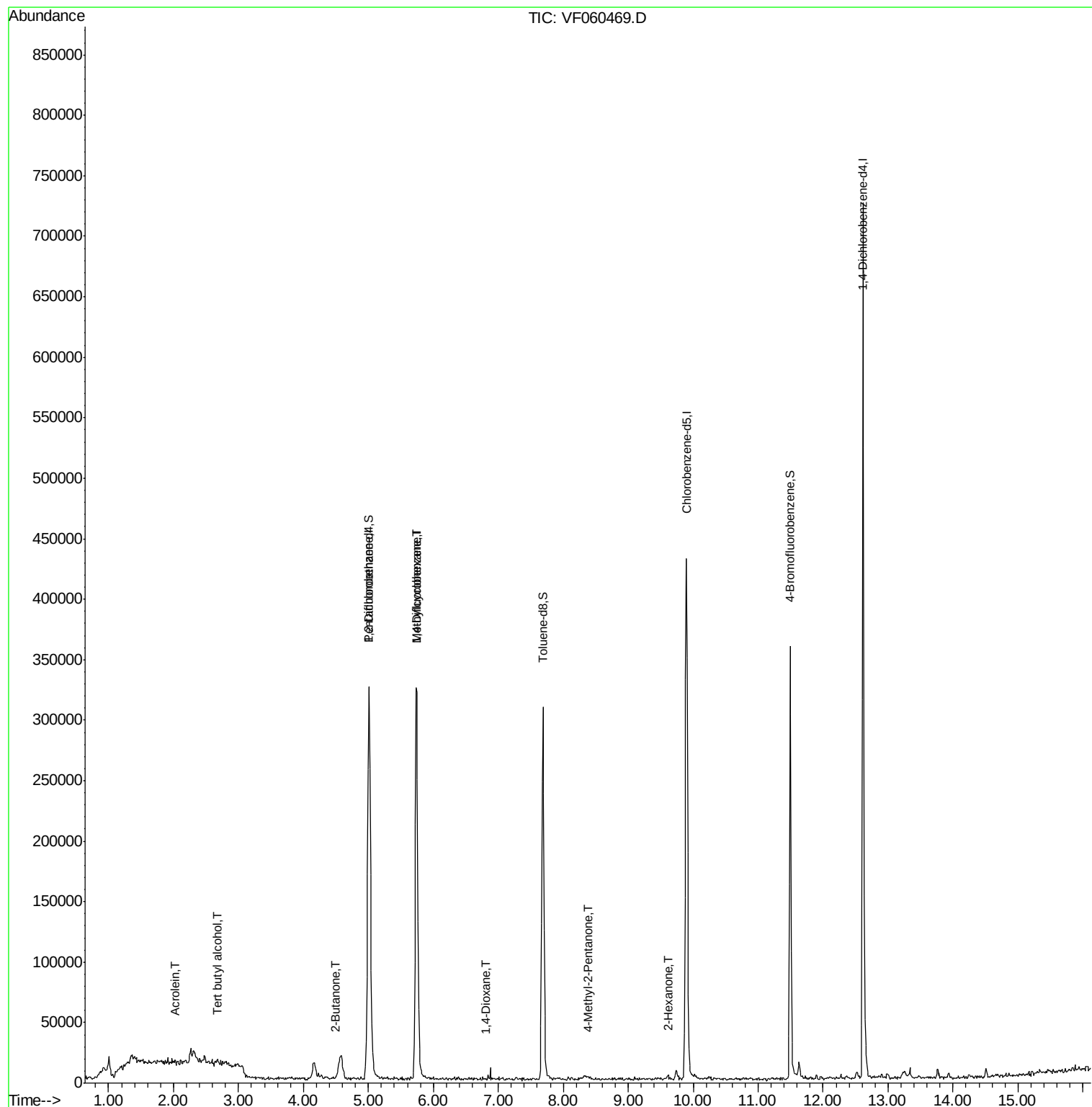
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	475	Below Cal		78
11) Tert butyl alcohol	2.67	59	1022	5.632	ug/l #	77
13) Acrolein	2.02	56	569	3.899	ug/l	93
16) Acetone	2.32	43	8727	Below Cal	#	92
20) Methylene Chloride	2.27	84	3821	Below Cal	#	92
25) 2-Butanone	4.49	43	1373	1.767	ug/l #	86
29) Tetrahydrofuran	4.27	42	565	Below Cal	#	61
39) Methylcyclohexane	5.73	83	4951	1.348	ug/l #	33
49) 1,4-Dioxane	6.82	88	64	5.965	ug/l #	25
51) 4-Methyl-2-Pentanone	8.39	43	1398	1.133	ug/l #	84
59) 2-Hexanone	9.62	43	2888	3.191	ug/l	83

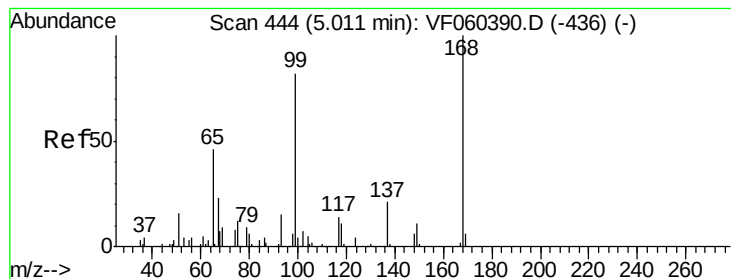
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

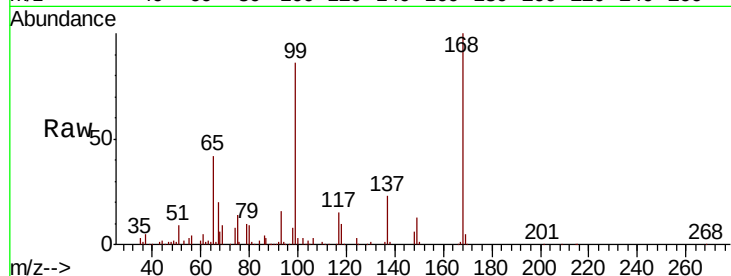
SR-STONERE

Tot Ion:168 Resp: 191730

Ion Ratio Lower Upper

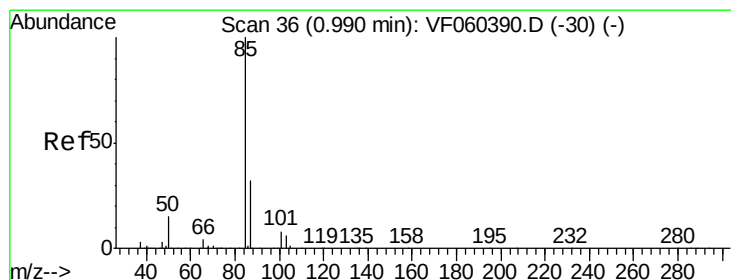
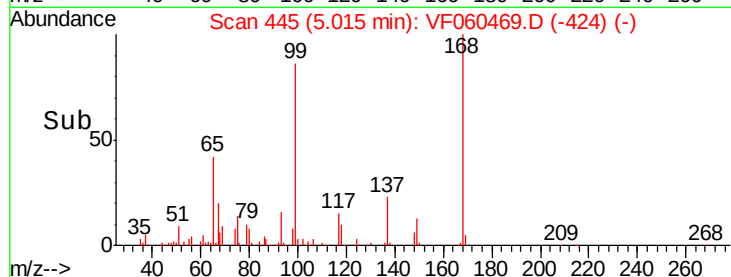
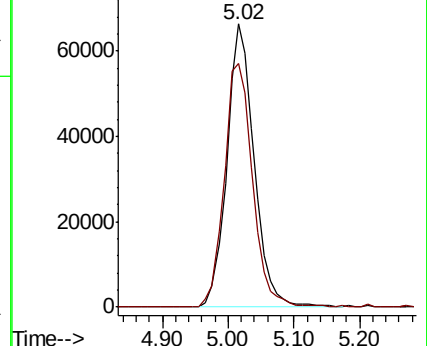
168 100

99 86.1 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060469.D

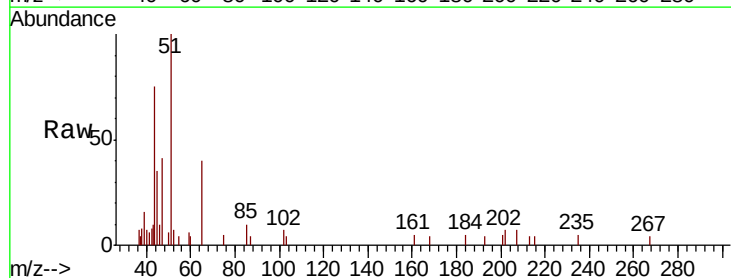
Acq: 5 Oct 2018 21:56

Tgt Ion: 85 Resp: 475

Ion Ratio Lower Upper

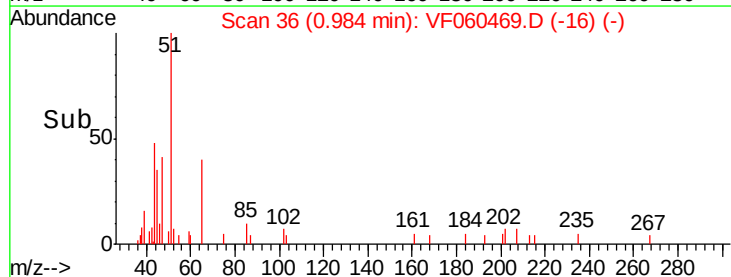
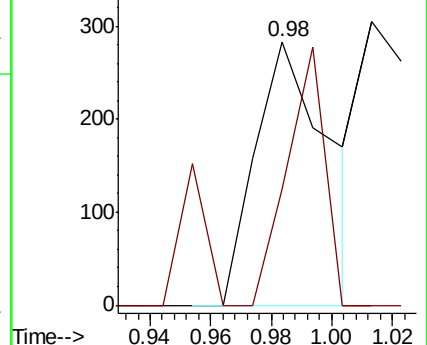
85 100

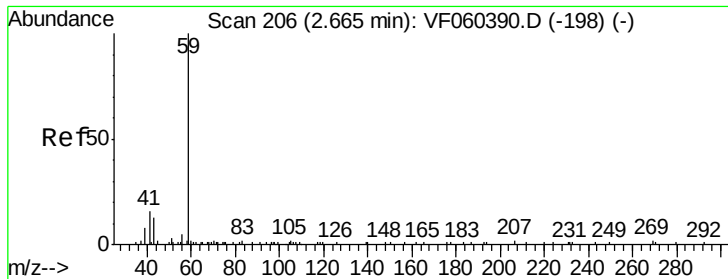
87 44.0 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

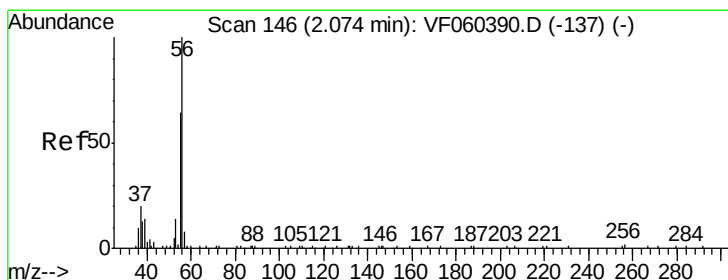
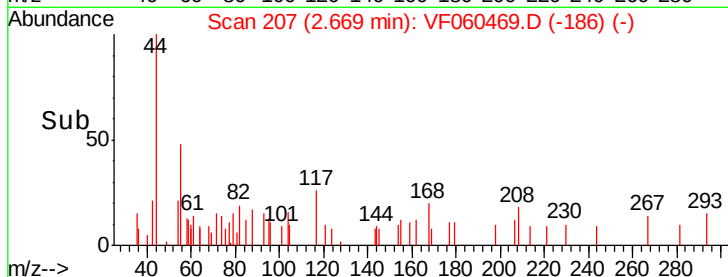
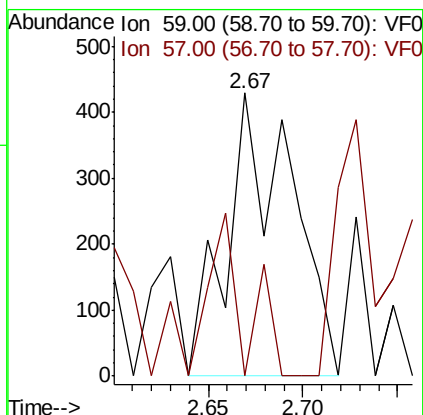
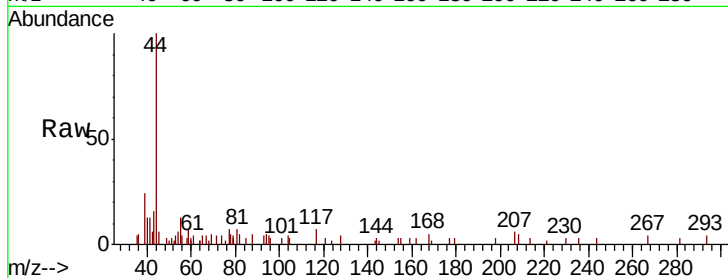




#11
Tert butyl alcohol
Concen: 5.632 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060469.D
Acq: 5 Oct 2018 21:56

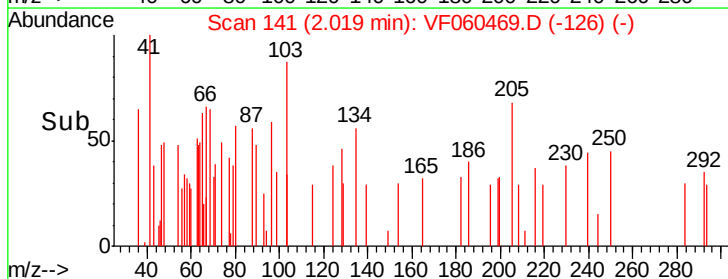
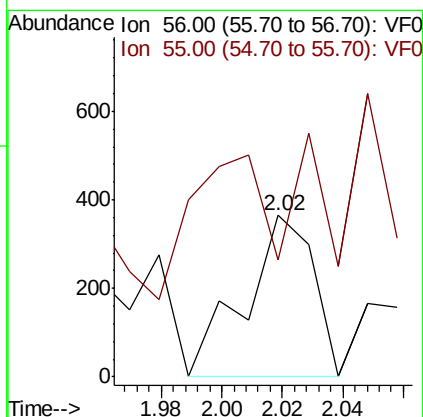
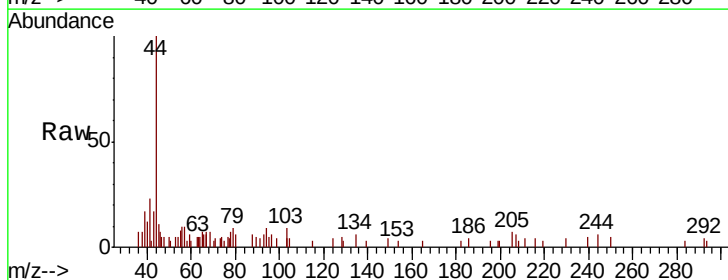
Instrument :
MSVOA_F
ClientSampleId :
SR-STONERE

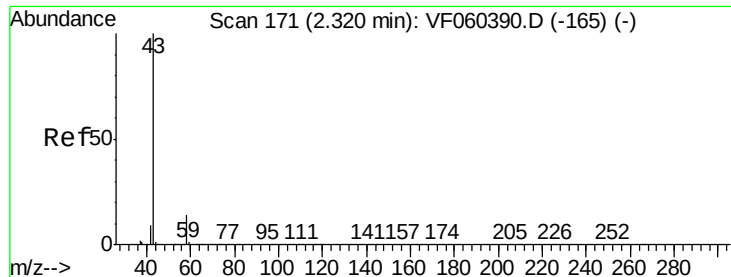
Tot Ion: 59 Resp: 1022
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#13
Acrolein
Concen: 3.899 ug/l
RT: 2.02 min Scan# 141
Delta R.T. -0.06 min
Lab File: VF060469.D
Acq: 5 Oct 2018 21:56

Tgt Ion: 56 Resp: 569
Ion Ratio Lower Upper
56 100
55 72.8 53.9 80.9

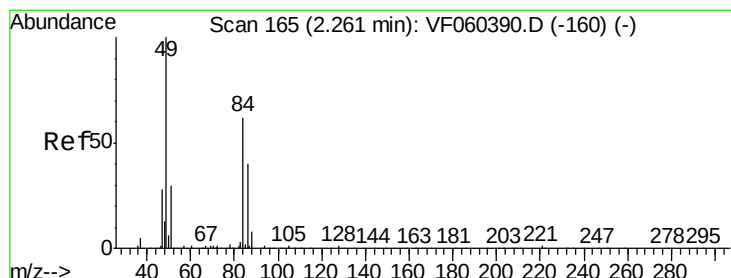
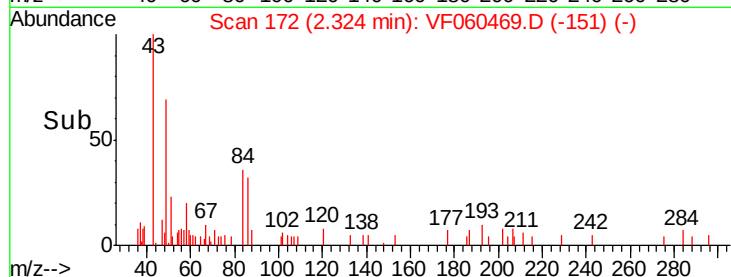
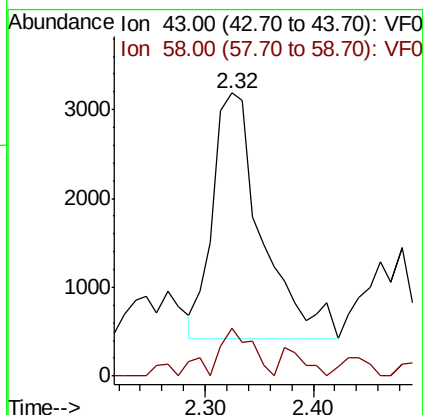
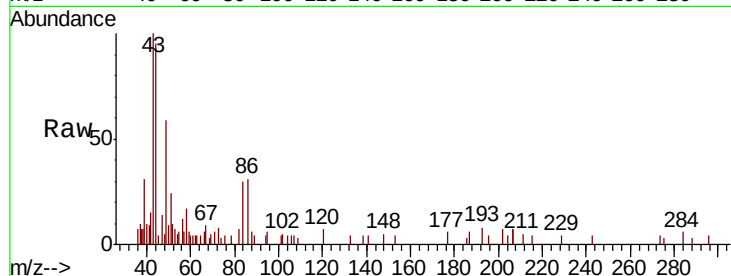




#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 172
Delta R.T. 0.00 min
Lab File: VF060469.D
Acq: 5 Oct 2018 21:56

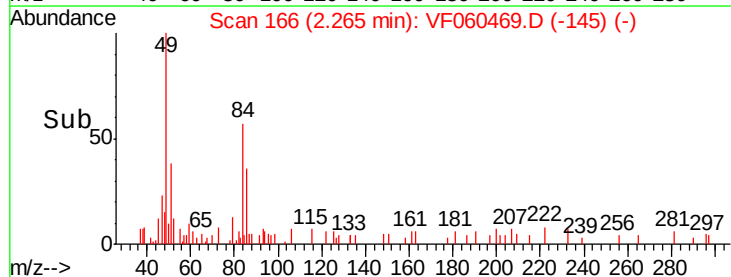
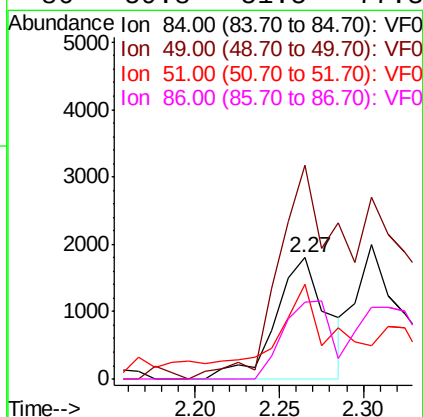
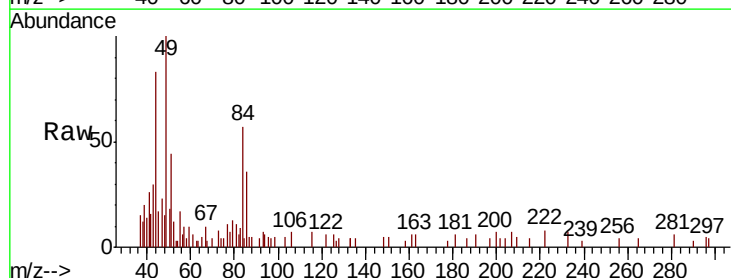
Instrument :
MSVOA_F
ClientSampleId :
SR-STONERE

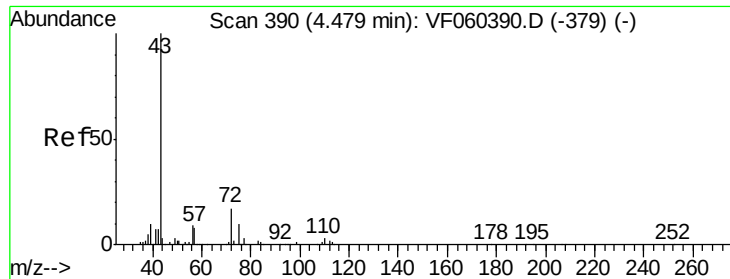
Tot Ion: 43 Resp: 8727
Ion Ratio Lower Upper
43 100
58 17.1 11.2 16.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF060469.D
Acq: 5 Oct 2018 21:56

Tgt Ion: 84 Resp: 3821
Ion Ratio Lower Upper
84 100
49 164.9 130.2 195.2
51 72.8 41.0 61.6#
86 59.8 51.5 77.3





#25

2-Butanone

Concen: 1.767 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

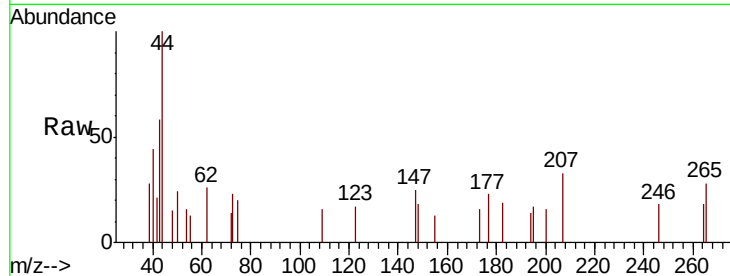
SR-STONERE

Tot Ion: 43 Resp: 1373

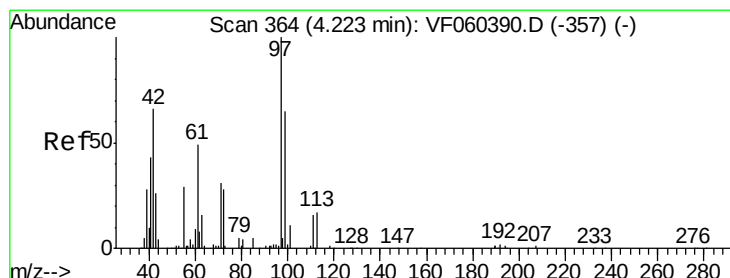
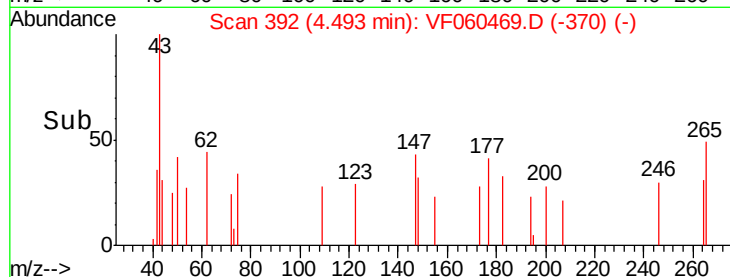
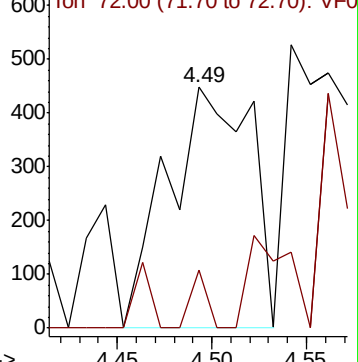
Ion Ratio Lower Upper

43 100

72 23.9 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.27 min Scan# 369

Delta R.T. 0.04 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

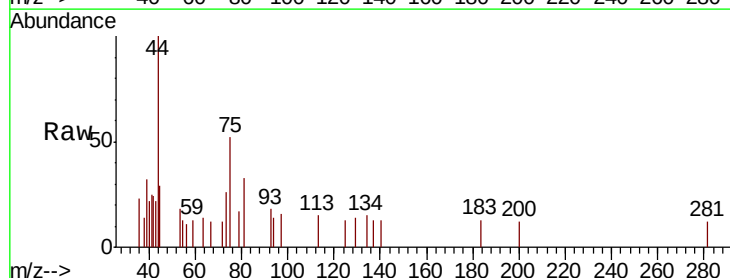
Tgt Ion: 42 Resp: 565

Ion Ratio Lower Upper

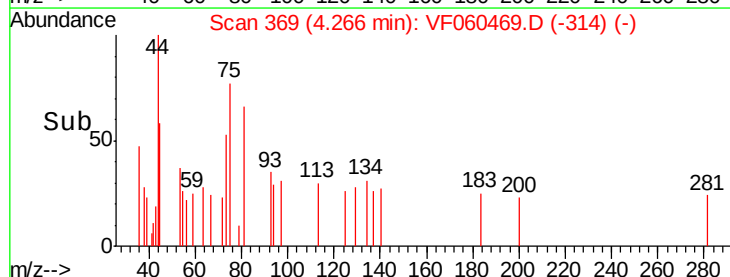
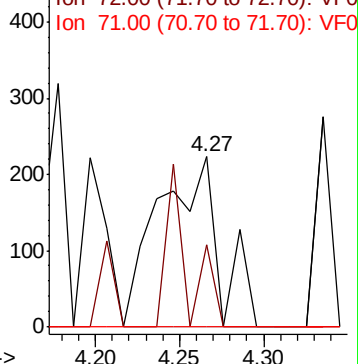
42 100

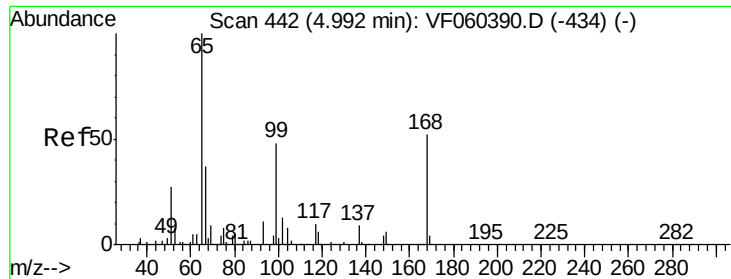
72 33.6 33.6 50.4

71 0.0 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0

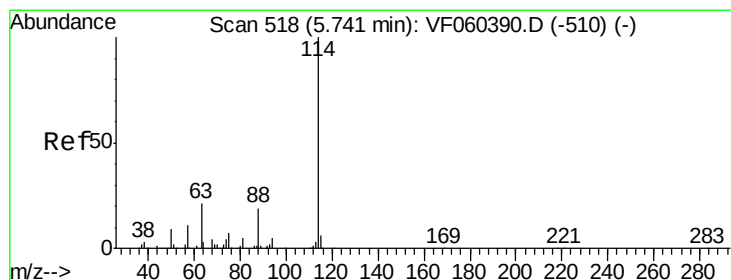
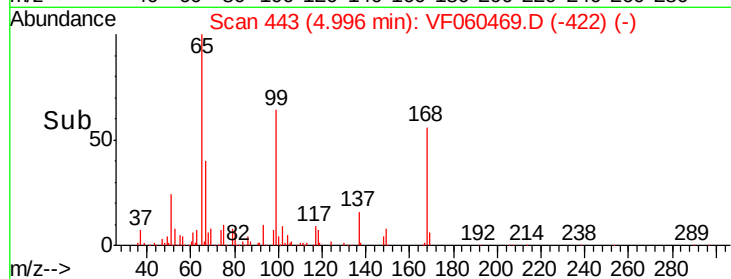
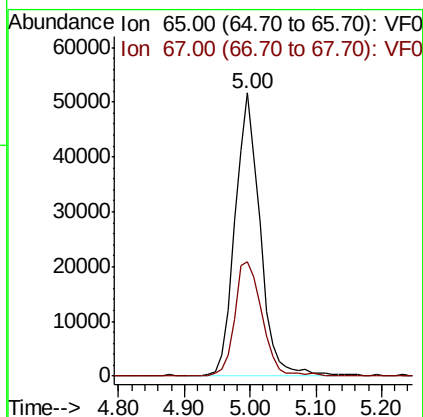
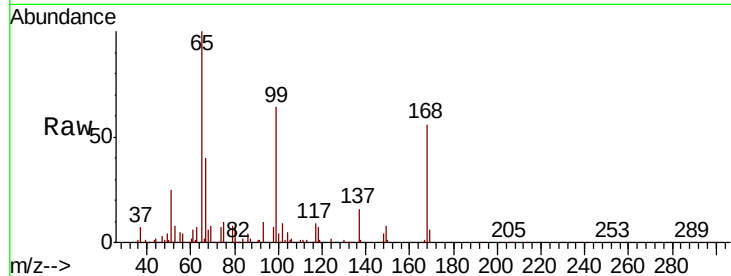




#33
 1,2-Dichloroethane-d4
 Concen: 46.112 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060469.D
 Acq: 5 Oct 2018 21:56

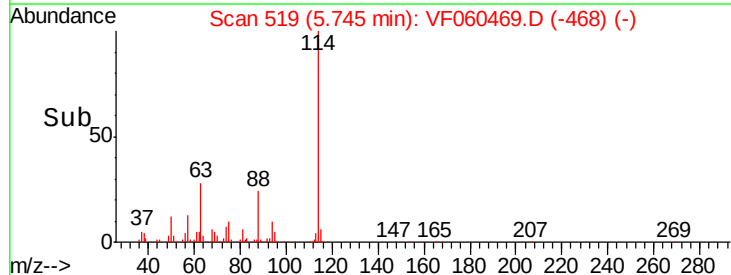
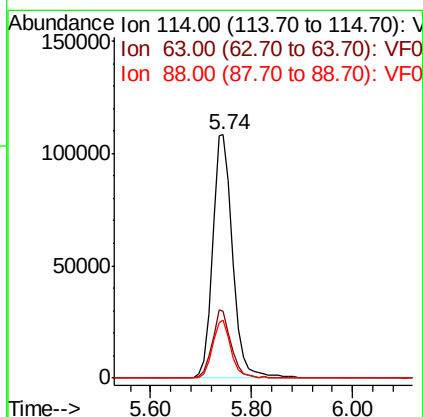
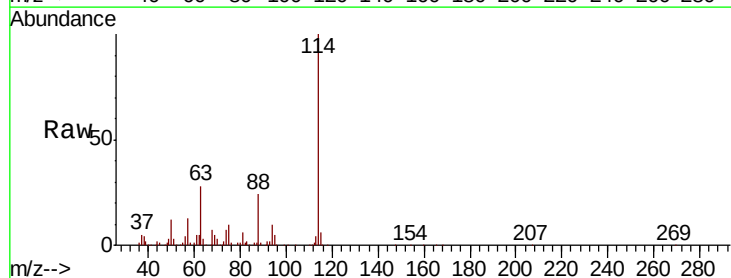
Instrument :
 MSVOA_F
 ClientSampleId :
 SR-STONERE

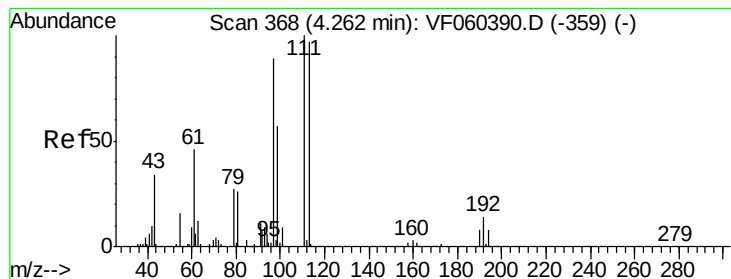
Tot Ion: 65 Resp: 138342
 Ion Ratio Lower Upper
 65 100
 67 40.2 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060469.D
 Acq: 5 Oct 2018 21:56

Tgt Ion: 114 Resp: 303839
 Ion Ratio Lower Upper
 114 100
 63 27.6 0.0 42.2
 88 23.6 0.0 38.8





#35

Dibromofluoromethane

Concen: 0.247 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.02 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SR-STONERE

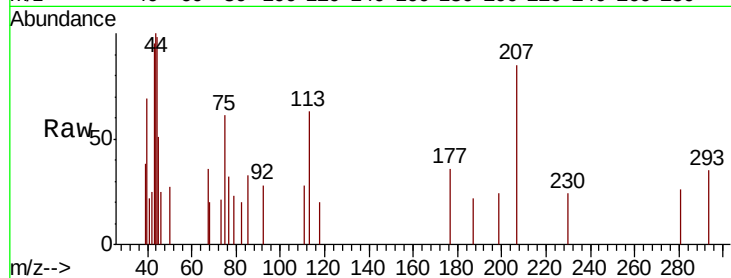
Tot Ion:113 Resp: 704

Ion Ratio Lower Upper

113 100

111 44.3 82.3 123.5#

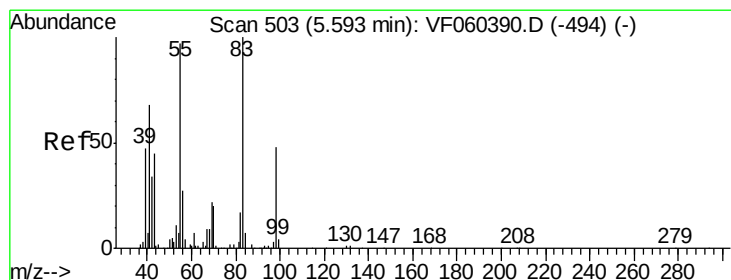
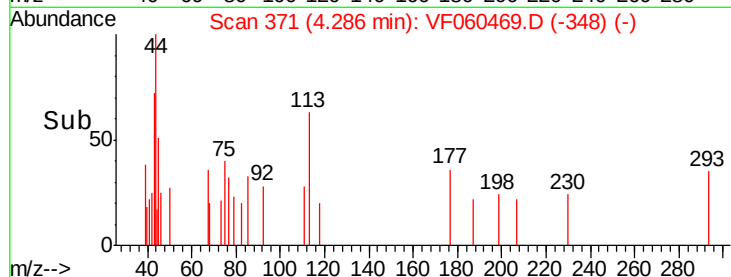
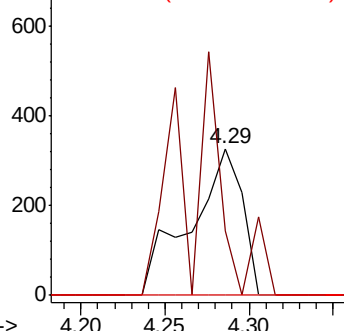
192 0.0 11.8 17.6#



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



#39

Methylcyclohexane

Concen: 1.348 ug/l

RT: 5.73 min Scan# 518

Delta R.T. 0.14 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

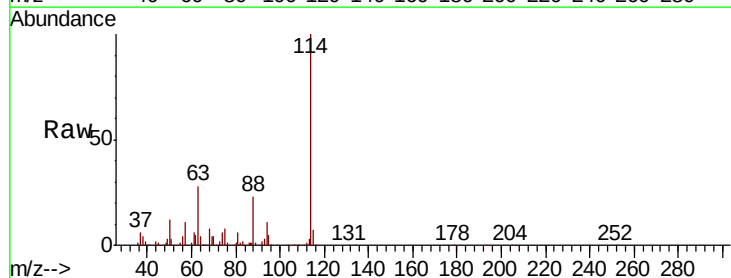
Tgt Ion: 83 Resp: 4951

Ion Ratio Lower Upper

83 100

55 32.7 77.5 116.3#

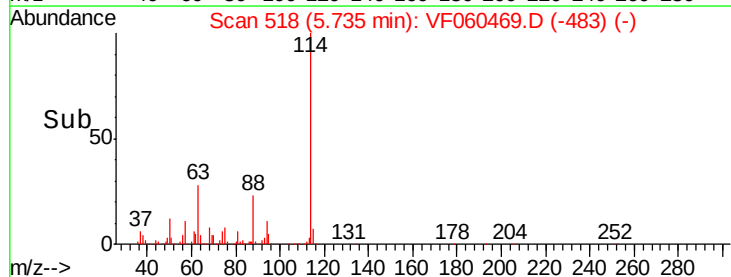
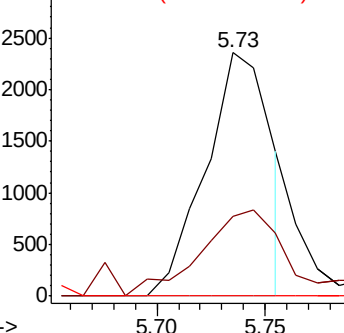
98 0.0 38.7 58.1#

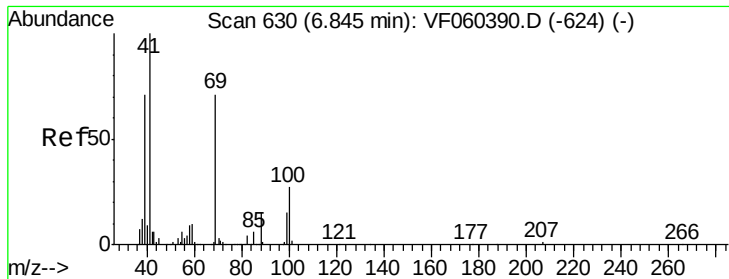


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 5.965 ug/l

RT: 6.82 min Scan# 628

Delta R.T. -0.03 min

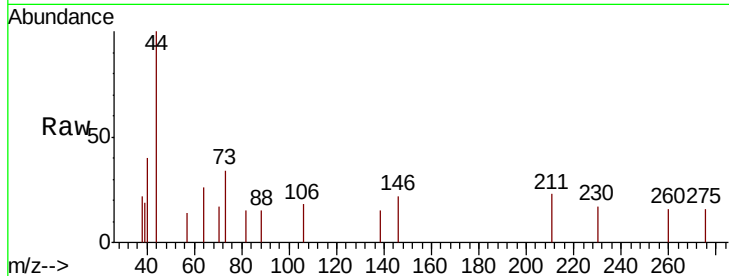
Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

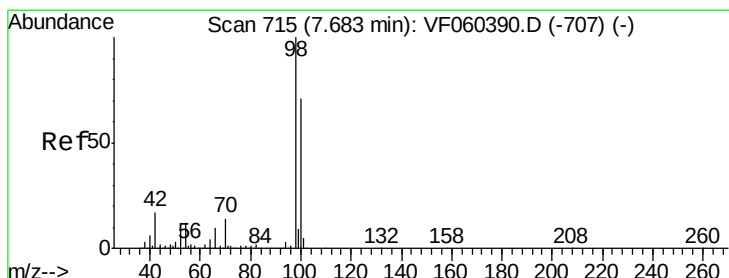
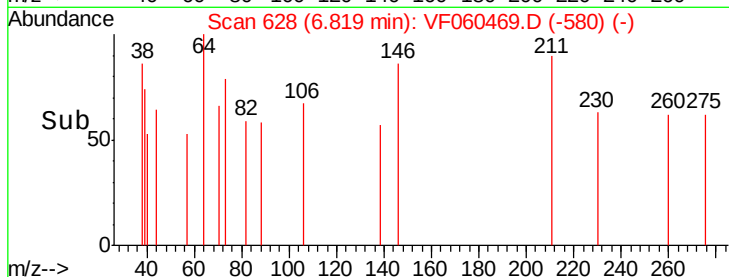
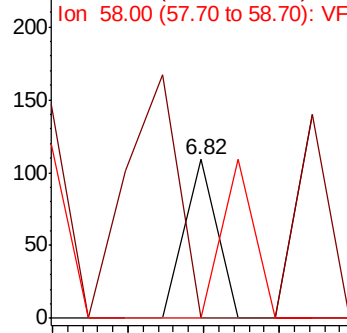
Instrument :
MSVOA_F
ClientSampleId :
SR-STONERE

Tot Ion: 88 Resp: 64

Ion	Ratio	Lower	Upper
88	100		
43	0.0	38.3	57.5#
58	0.0	47.4	71.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 33.494 ug/l

RT: 7.69 min Scan# 716

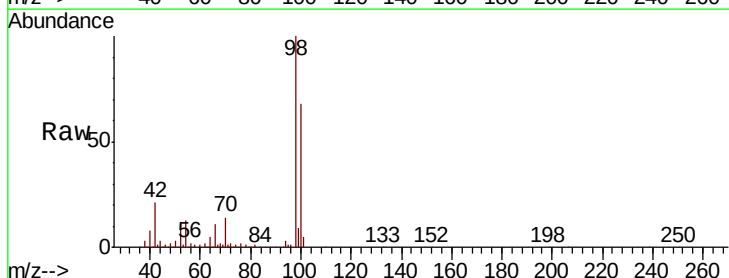
Delta R.T. 0.00 min

Lab File: VF060469.D

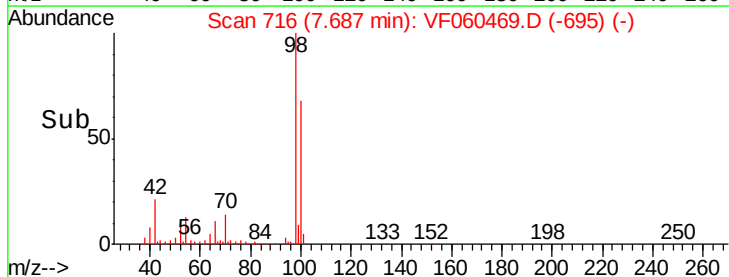
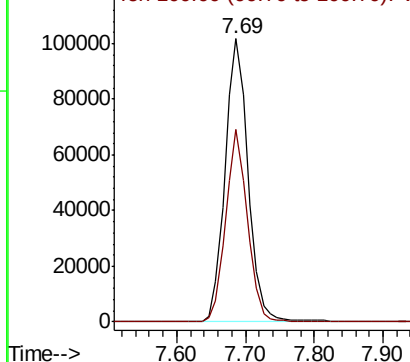
Acq: 5 Oct 2018 21:56

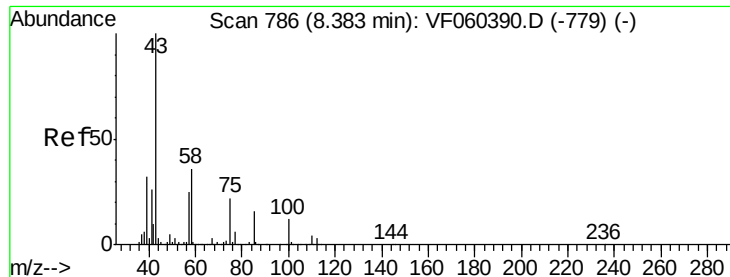
Tgt Ion: 98 Resp: 235453

Ion	Ratio	Lower	Upper
98	100		
100	68.1	56.5	84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.133 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

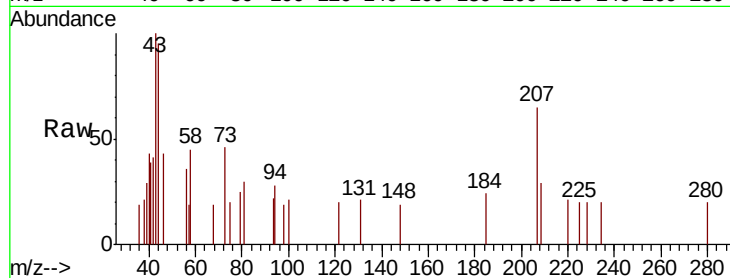
SR-STONERE

Tot Ion: 43 Resp: 1398

Ion Ratio Lower Upper

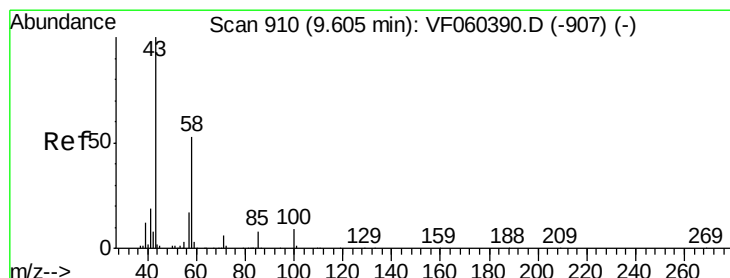
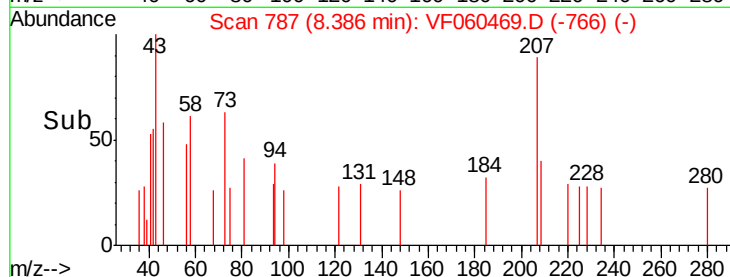
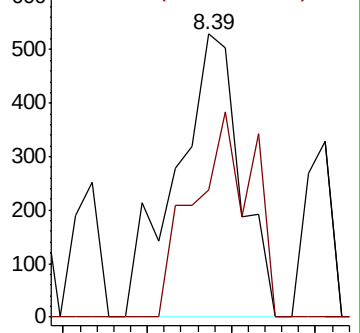
43 100

58 45.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 3.191 ug/l

RT: 9.62 min Scan# 912

Delta R.T. 0.01 min

Lab File: VF060469.D

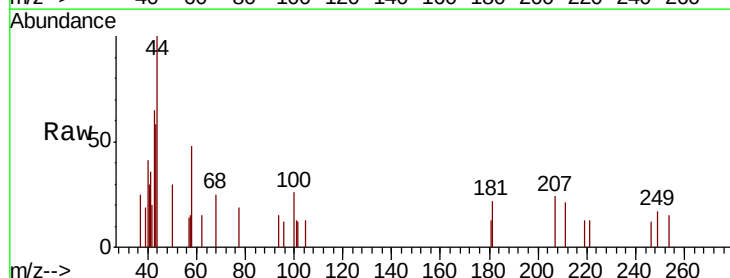
Acq: 5 Oct 2018 21:56

Tgt Ion: 43 Resp: 2888

Ion Ratio Lower Upper

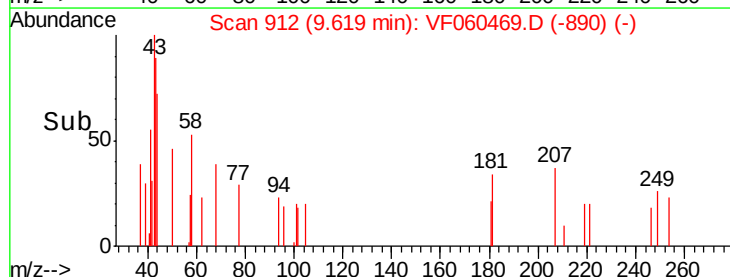
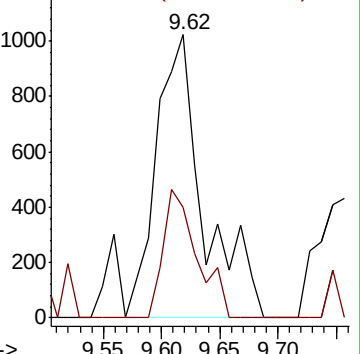
43 100

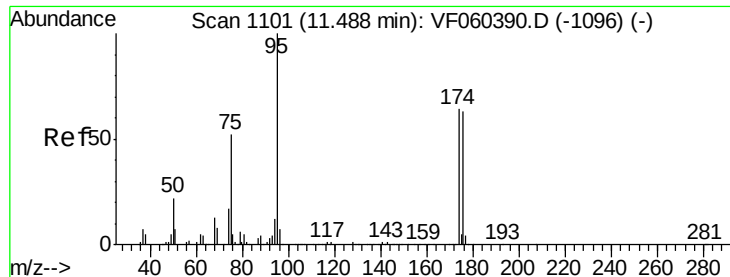
58 39.1 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 35.891 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SR-STONERE

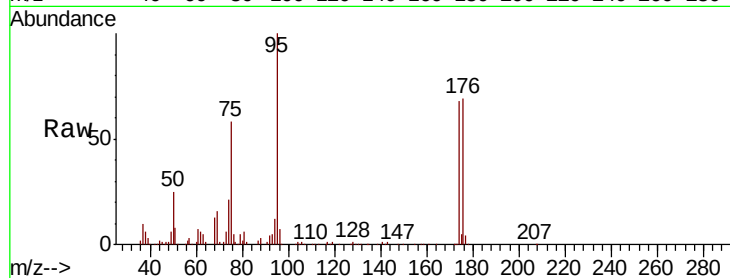
Tot Ion: 95 Resp: 115201

Ion Ratio Lower Upper

95 100

174 67.9 0.0 129.0

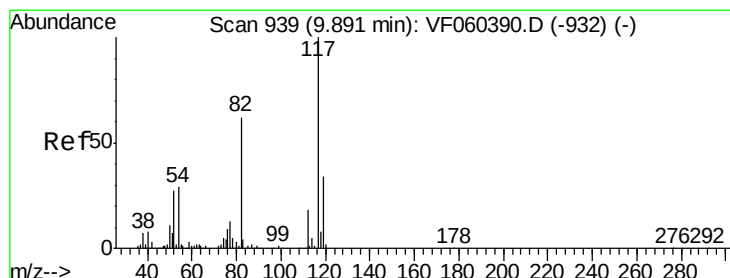
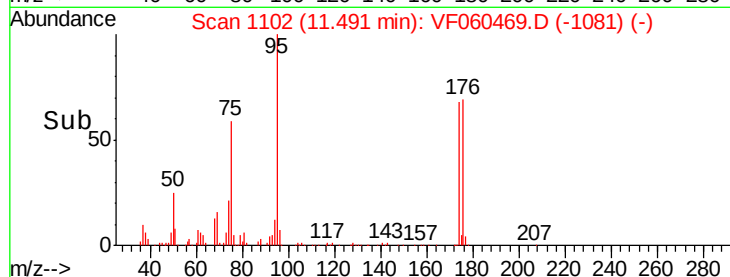
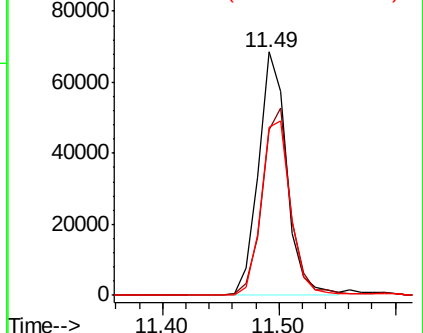
176 68.8 0.0 125.6



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: 9.89 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

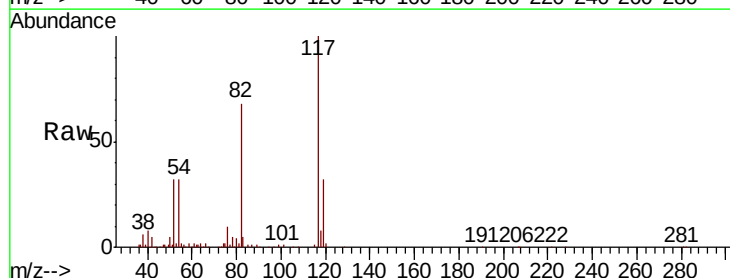
Tgt Ion: 117 Resp: 270203

Ion Ratio Lower Upper

117 100

82 67.6 49.5 74.3

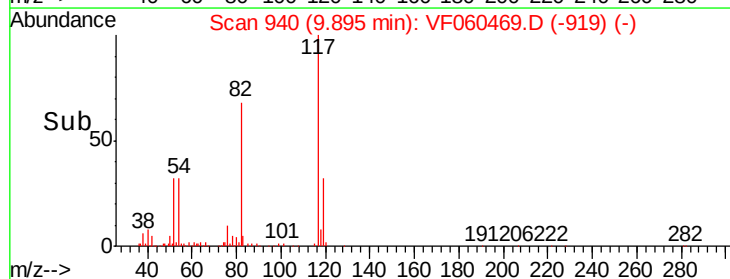
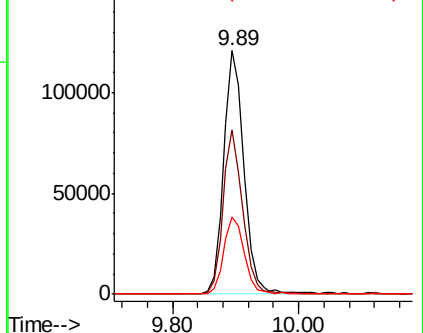
119 31.8 27.0 40.6

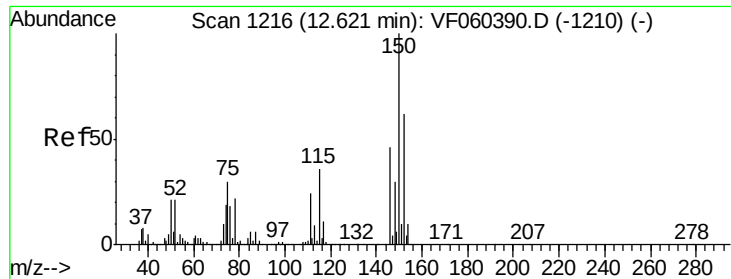


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060469.D

Acq: 5 Oct 2018 21:56

Instrument :

MSVOA_F

ClientSampleId :

SR-STONERE

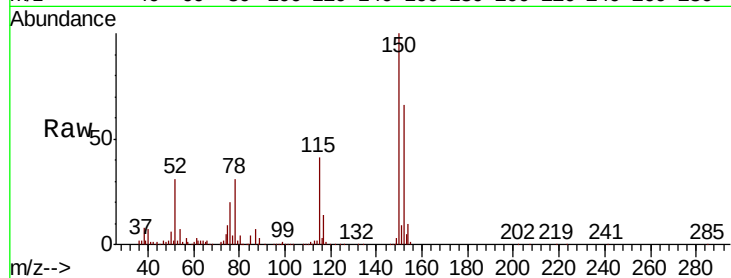
Tot Ion:152 Resp: 163304

Ion Ratio Lower Upper

152 100

115 62.0 28.6 85.8

150 152.4 0.0 324.6



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

