

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100818\
 Data File : VF060483.D
 Acq On : 8 Oct 2018 14:36
 Operator : VA/AP
 Sample : J5084-10RE
 Misc : 6.04/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 09 01:30:13 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

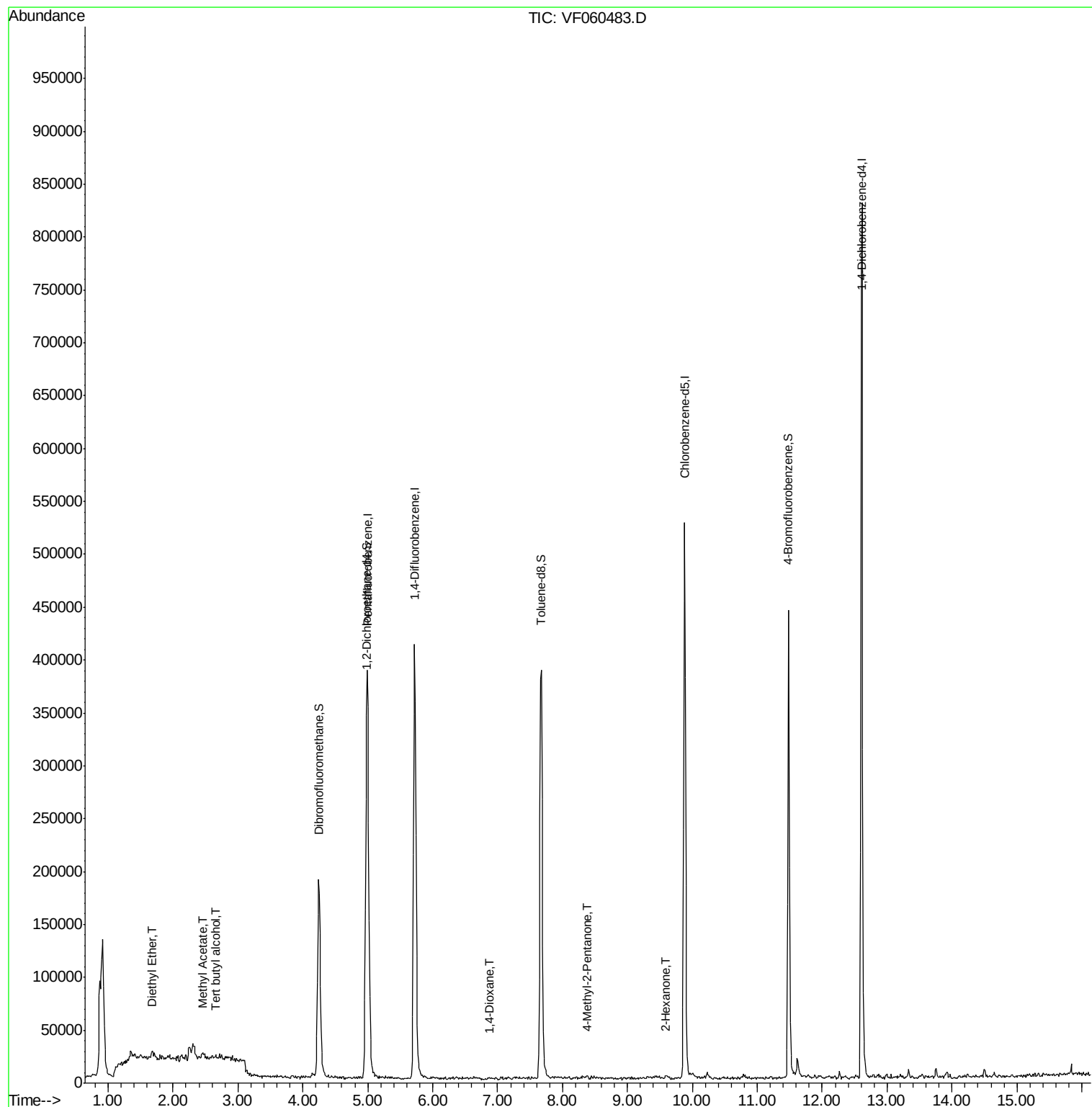
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	258922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.72	114	415106	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	350401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	210307	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.97	65	154742	38.19	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	76.38%	
35) Dibromofluoromethane	4.24	113	174806	44.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.66%	
50) Toluene-d8	7.67	98	323600	33.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.38%	
62) 4-Bromofluorobenzene	11.48	95	165060	37.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	354	Below Cal	#	43
8) Diethyl Ether	1.69	74	1644	1.414	ug/l	84
11) Tert butyl alcohol	2.67	59	911	3.717	ug/l #	1
16) Acetone	2.33	43	5904	Below Cal	#	86
18) Methyl Acetate	2.45	43	4490	1.214	ug/l #	57
20) Methylene Chloride	2.25	84	4952	Below Cal		87
29) Tetrahydrofuran	4.20	42	433	Below Cal	#	34
49) 1,4-Dioxane	6.88	88	117	7.981	ug/l #	25
51) 4-Methyl-2-Pentanone	8.37	43	2436	1.445	ug/l	96
59) 2-Hexanone	9.60	43	3907	3.159	ug/l #	58

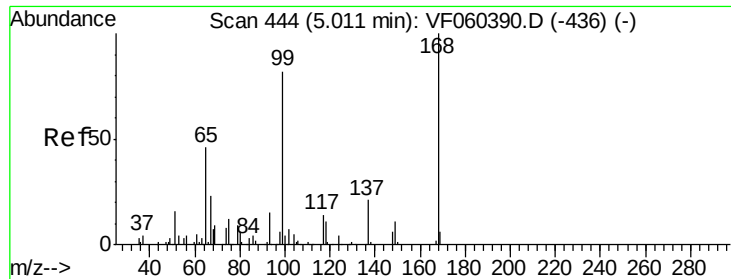
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 6.04/5mL/MSVOA F/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Oct 09 01:30:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
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: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060483.D

Acq: 8 Oct 2018 14:36

Instrument :

MSVOA_F

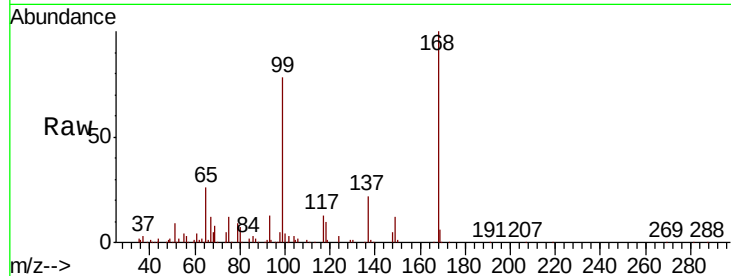
ClientSampleId :

Tot Ion:168 Resp: 258922

Ion Ratio Lower Upper

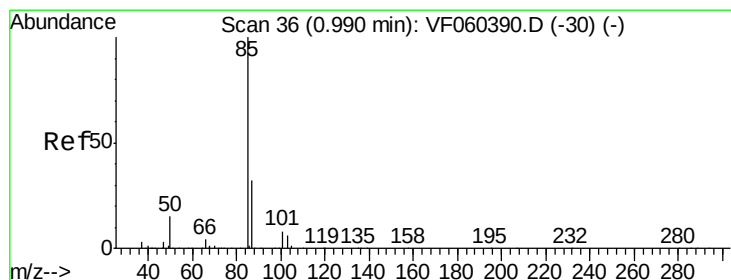
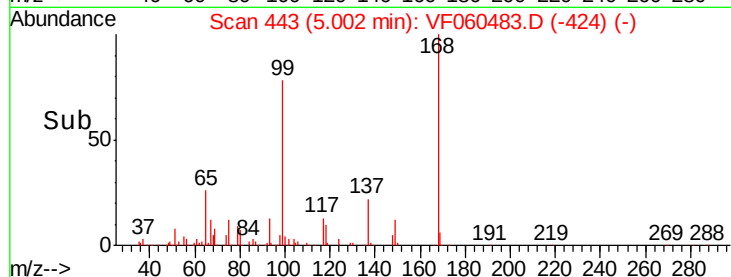
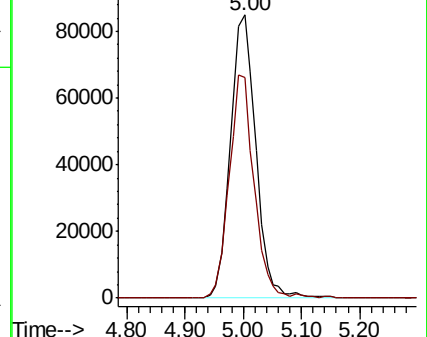
168 100

99 78.1 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: 0.97 min Scan# 34

Delta R.T. -0.02 min

Lab File: VF060483.D

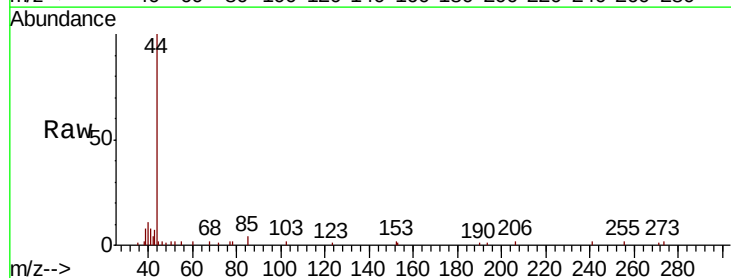
Acq: 8 Oct 2018 14:36

Tgt Ion: 85 Resp: 354

Ion Ratio Lower Upper

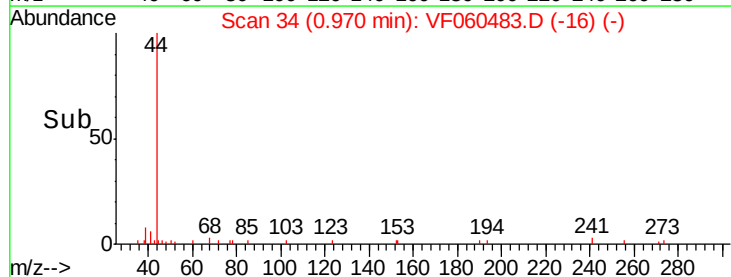
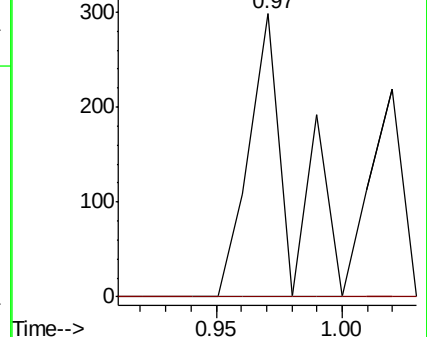
85 100

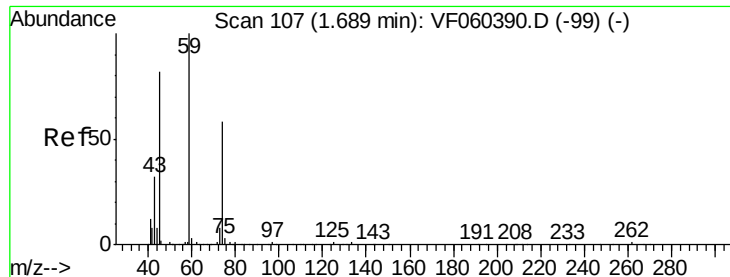
87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

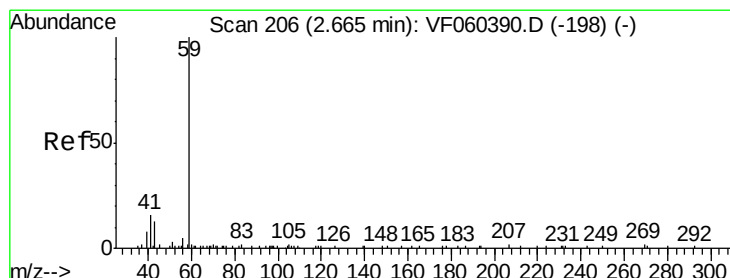
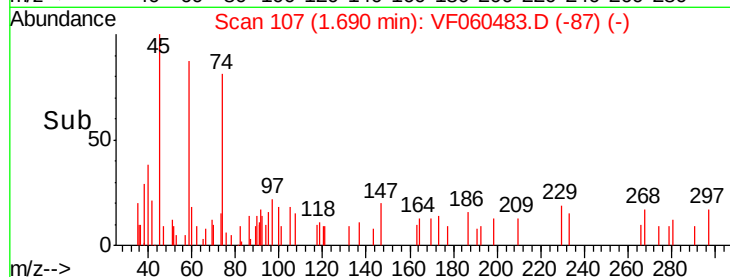
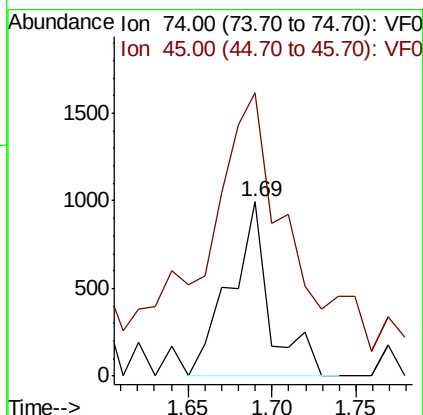
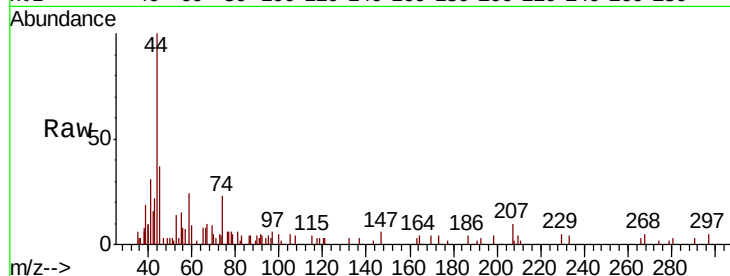




#8
Diethyl Ether
Concen: 1.414 ug/l
RT: 1.69 min Scan# 107
Delta R.T. 0.00 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

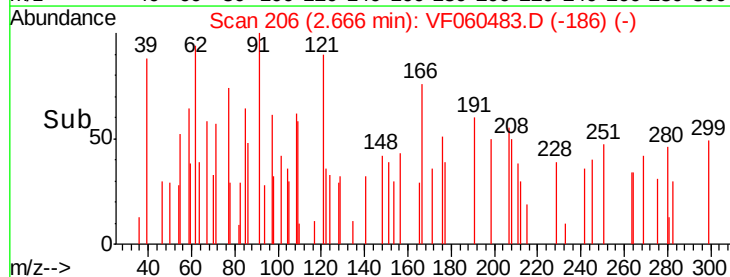
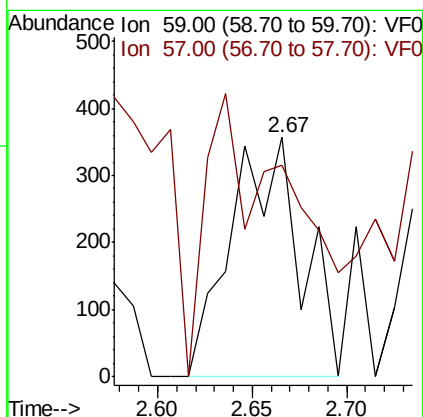
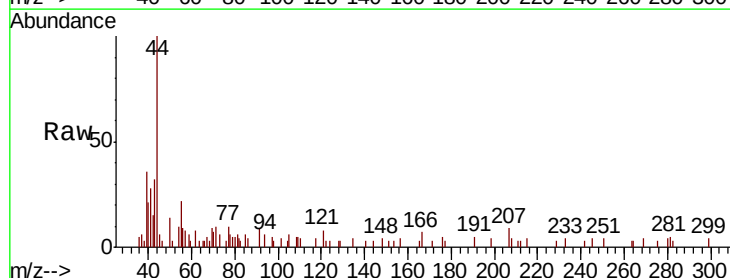
Instrument :
MSVOA_F
ClientSampleId :

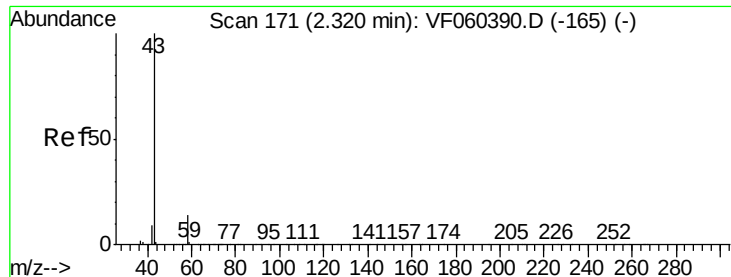
Tot Ion: 74 Resp: 1644
Ion Ratio Lower Upper
74 100
45 162.4 71.3 213.8



#11
Tert butyl alcohol
Concen: 3.717 ug/l
RT: 2.67 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

Tgt Ion: 59 Resp: 911
Ion Ratio Lower Upper
59 100
57 88.2 6.5 9.7#

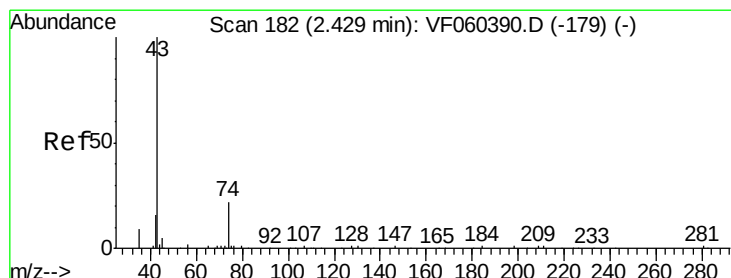
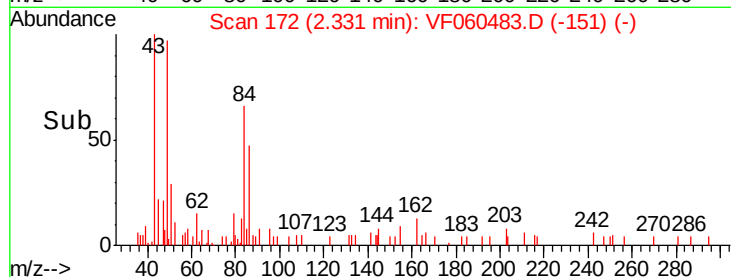
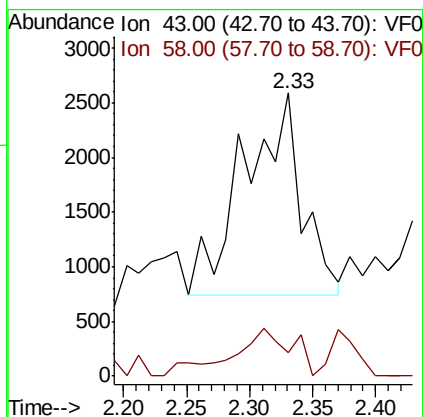
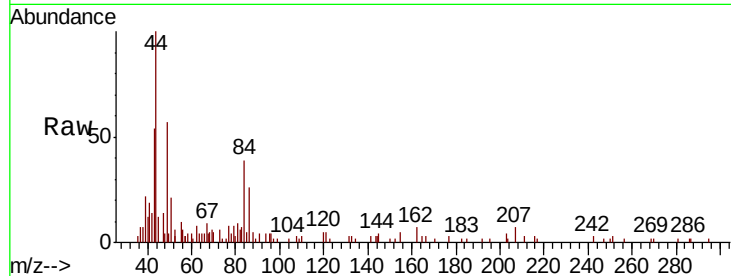




#16
Acetone
Concen: Below Cal
RT: 2.33 min Scan# 172
Delta R.T. 0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

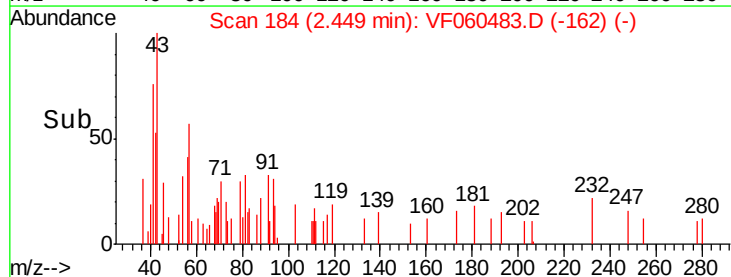
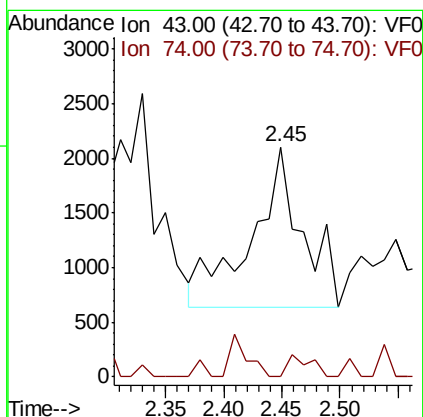
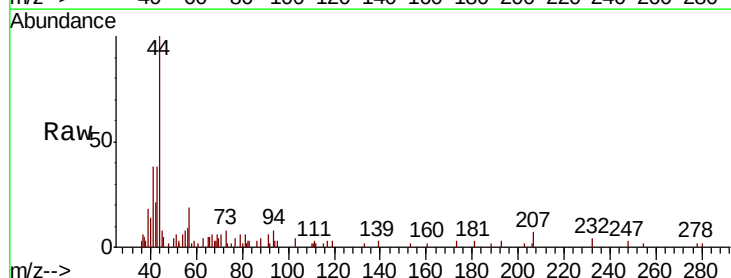
Instrument :
MSVOA_F
ClientSampled :

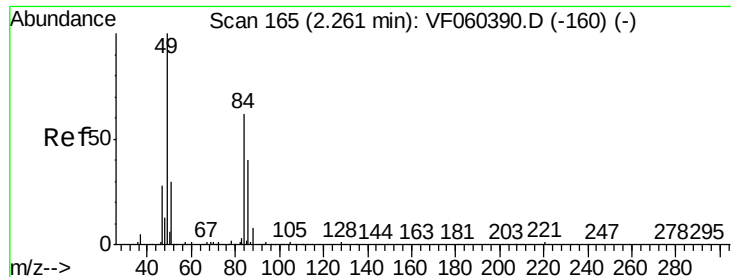
Tot Ion: 43 Resp: 5904
Ion Ratio Lower Upper
43 100
58 8.1 11.2 16.8#



#18
Methyl Acetate
Concen: 1.214 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

Tgt Ion: 43 Resp: 4490
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#

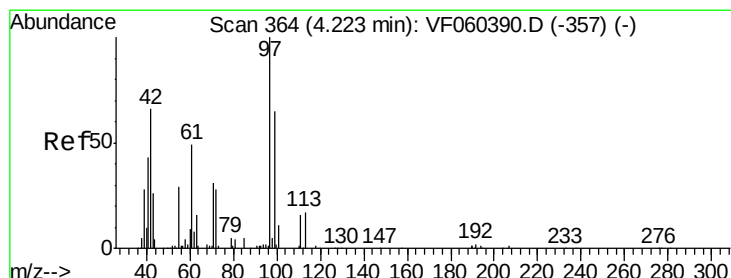
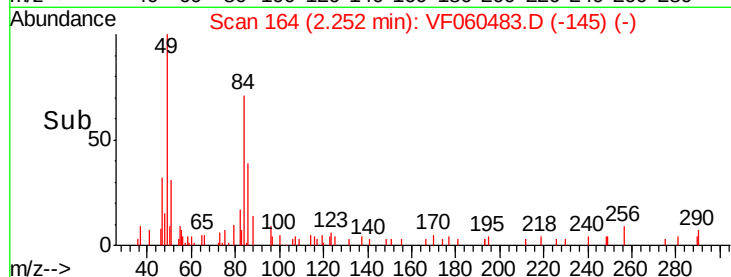
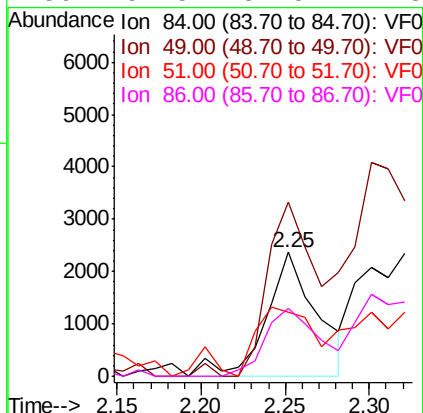
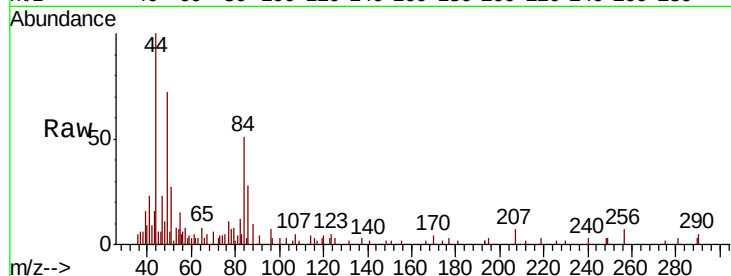




#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

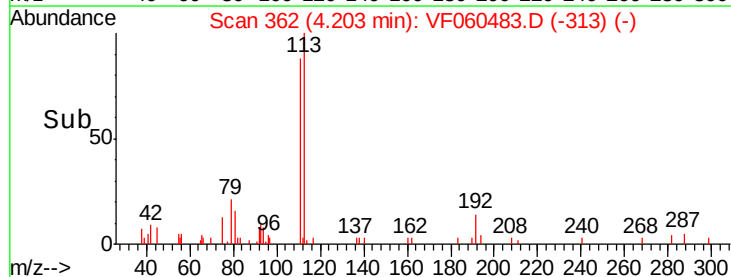
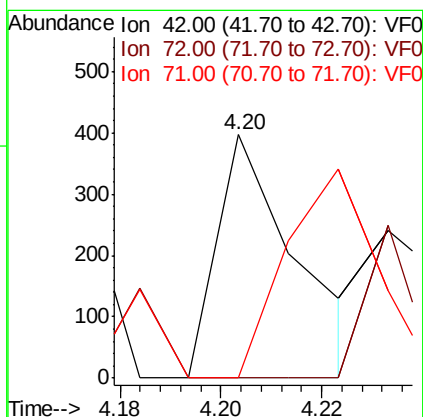
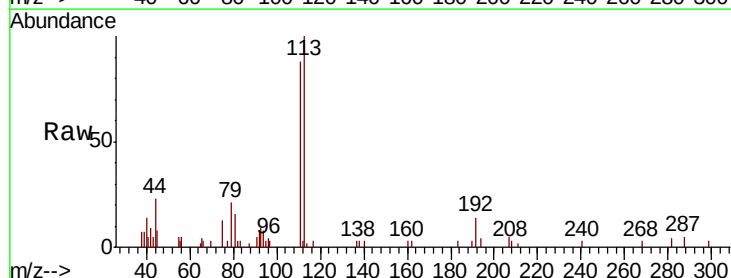
Instrument :
MSVOA_F
ClientSampled :

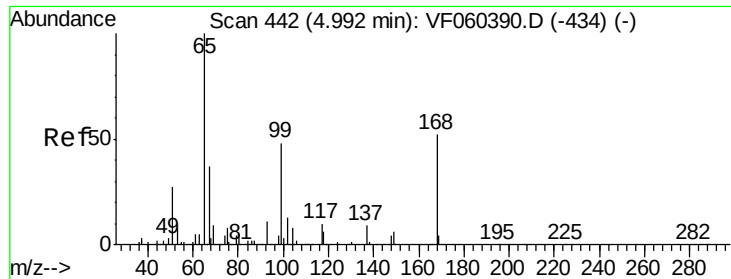
Tot Ion:	84	Resp:	4952
Ion	Ratio	Lower	Upper
84	100		
49	141.3	130.2	195.2
51	52.1	41.0	61.6
86	54.5	51.5	77.3



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.20 min Scan# 362
Delta R.T. -0.02 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

Tgt Ion:	42	Resp:	433
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.6	50.4#
71	0.0	32.7	49.1#

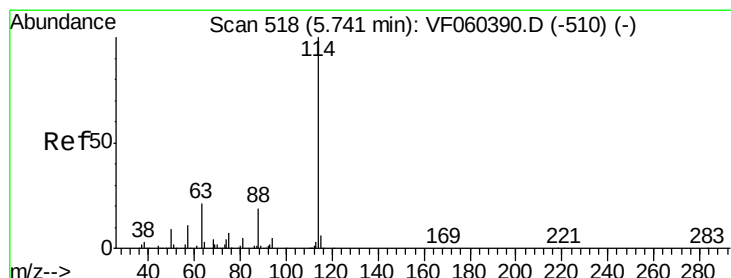
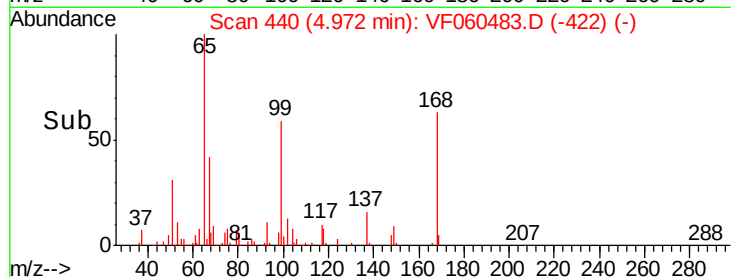
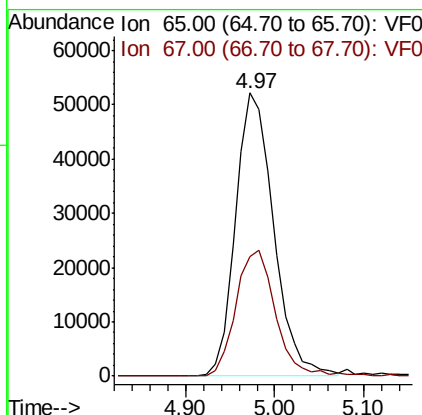
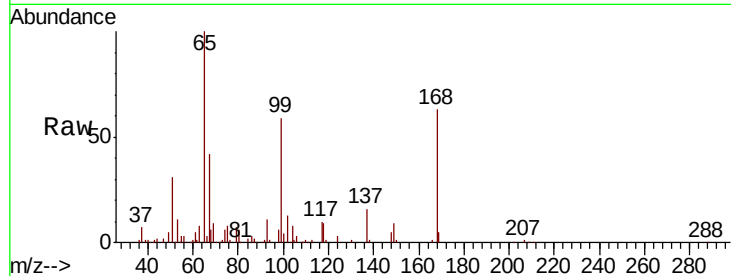




#33
 1,2-Dichloroethane-d4
 Concen: 38.193 ug/l
 RT: 4.97 min Scan# 440
 Delta R.T. -0.02 min
 Lab File: VF060483.D
 Acq: 8 Oct 2018 14:36

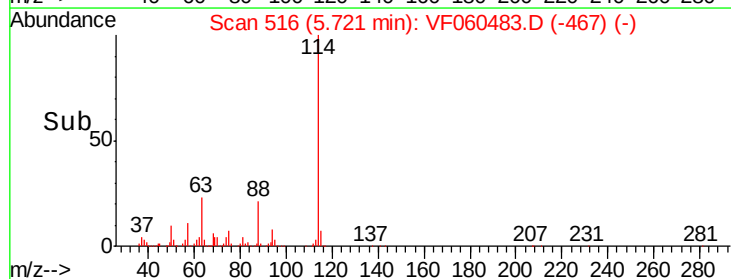
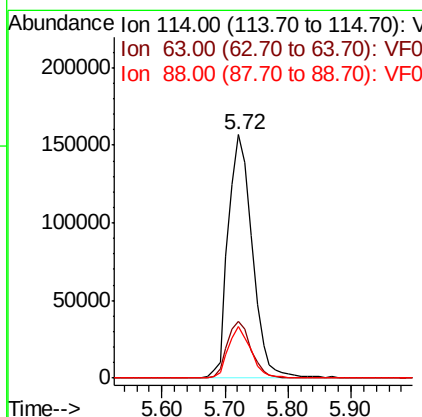
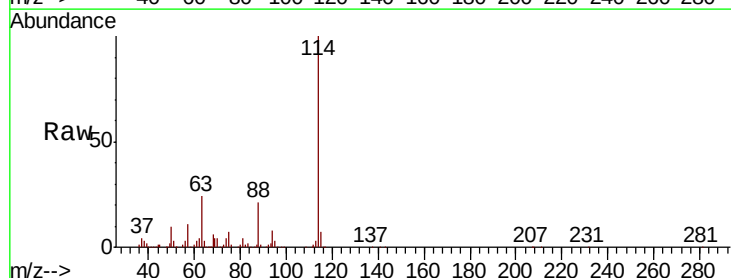
Instrument :
 MSVOA_F
 ClientSampled :

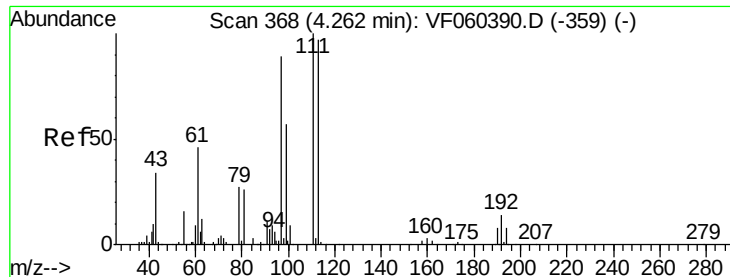
Tot Ion: 65 Resp: 154742
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.72 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: VF060483.D
 Acq: 8 Oct 2018 14:36

Tgt Ion: 114 Resp: 415106
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 42.2
 88 21.2 0.0 38.8

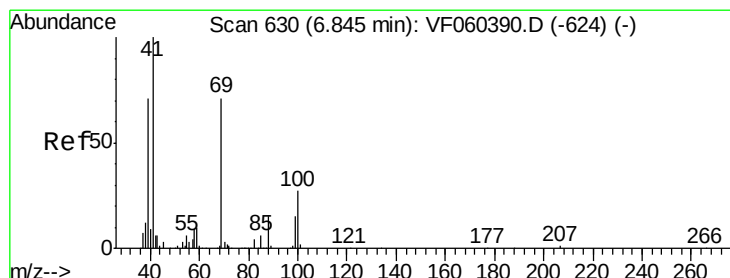
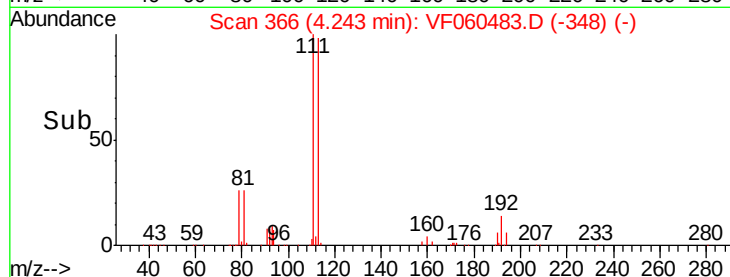
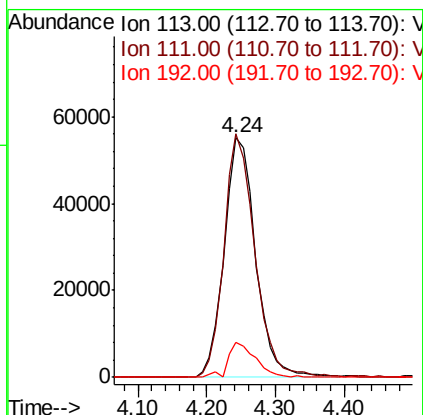
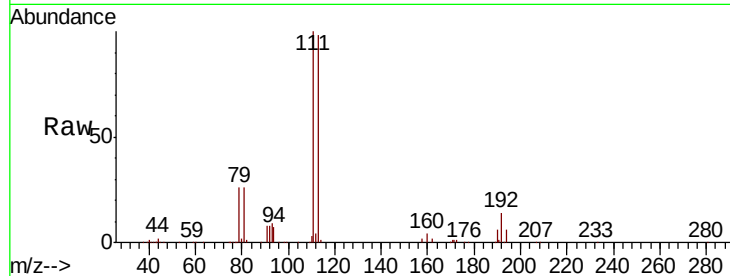




#35
 Dibromofluoromethane
 Concen: 44.826 ug/l
 RT: 4.24 min Scan# 366
 Delta R.T. -0.02 min
 Lab File: VF060483.D
 Acq: 8 Oct 2018 14:36

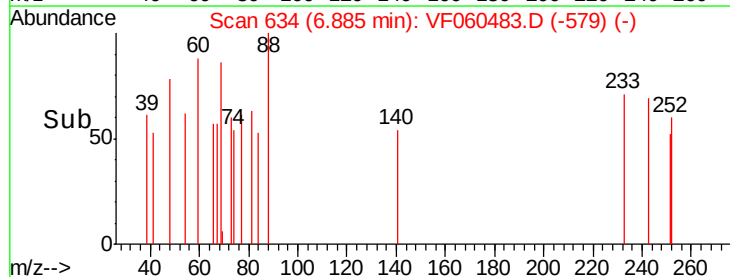
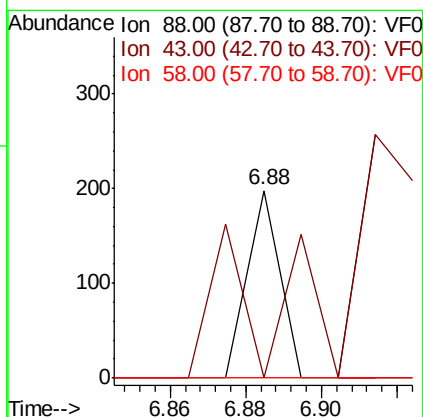
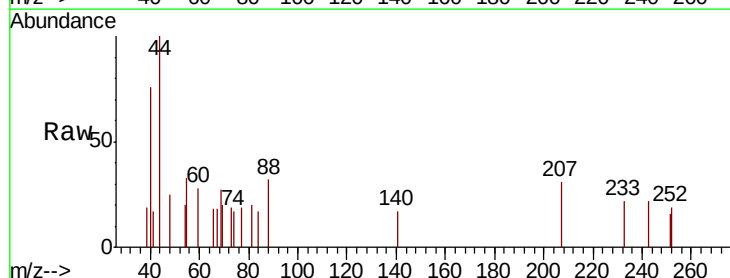
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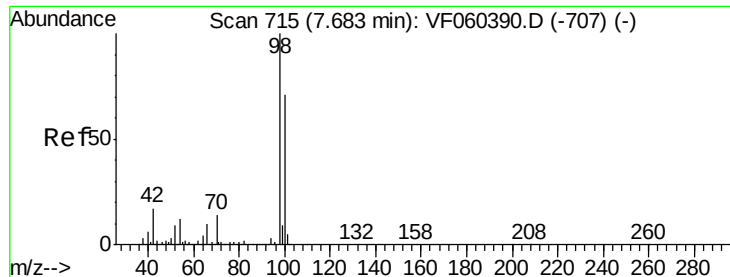
Tot Ion:113 Resp: 174806
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.3 123.5
 192 14.4 11.8 17.6



#49
 1,4-Dioxane
 Concen: 7.981 ug/l
 RT: 6.88 min Scan# 634
 Delta R.T. 0.04 min
 Lab File: VF060483.D
 Acq: 8 Oct 2018 14:36

Tgt Ion: 88 Resp: 117
 Ion Ratio Lower Upper
 88 100
 43 0.0 38.3 57.5#
 58 0.0 47.4 71.2#

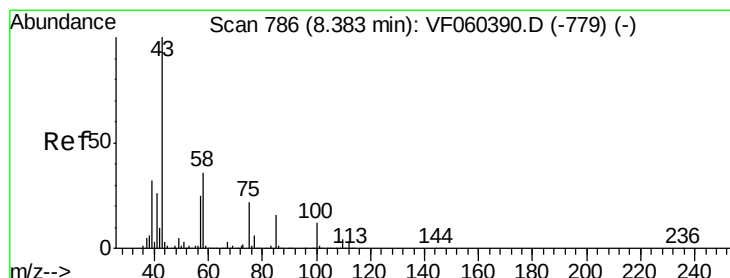
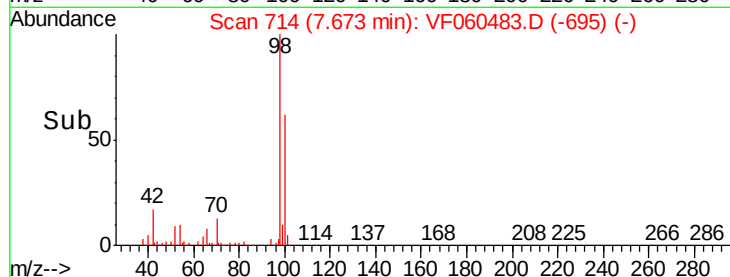
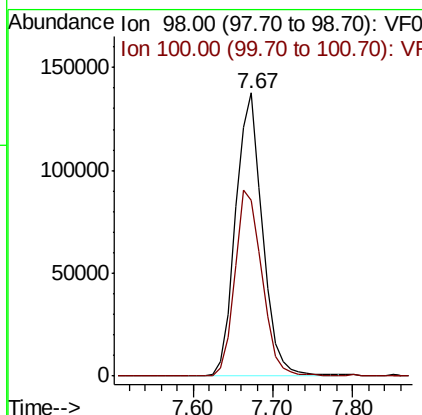
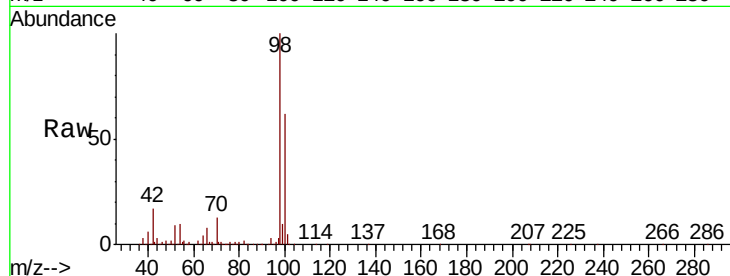




#50
Toluene-d8
Concen: 33.694 ug/l
RT: 7.67 min Scan# 714
Delta R.T. -0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

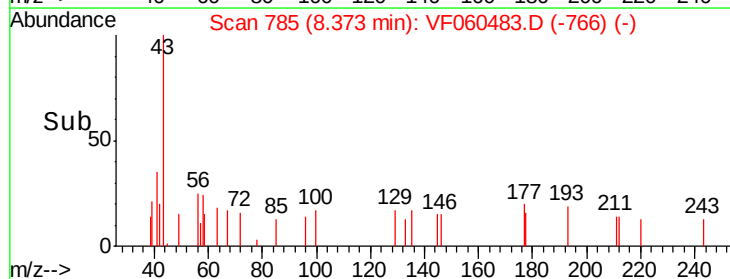
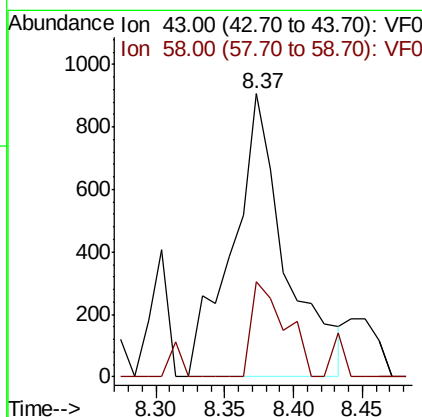
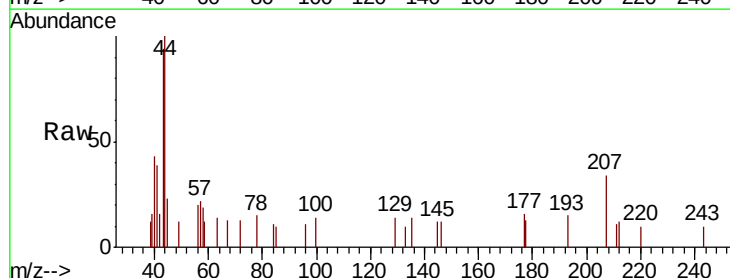
Instrument :
MSVOA_F
ClientSampled :

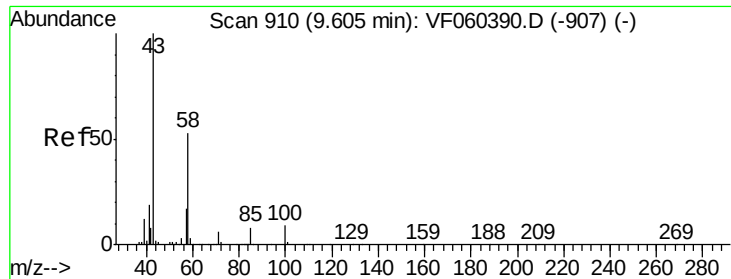
Tot Ion: 98 Resp: 323600
Ion Ratio Lower Upper
98 100
100 62.1 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 1.445 ug/l
RT: 8.37 min Scan# 785
Delta R.T. -0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
58 33.4 28.5 42.7

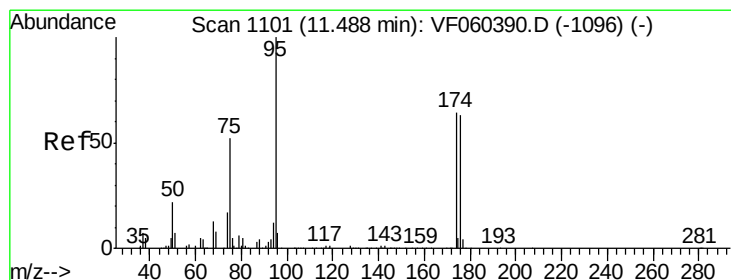
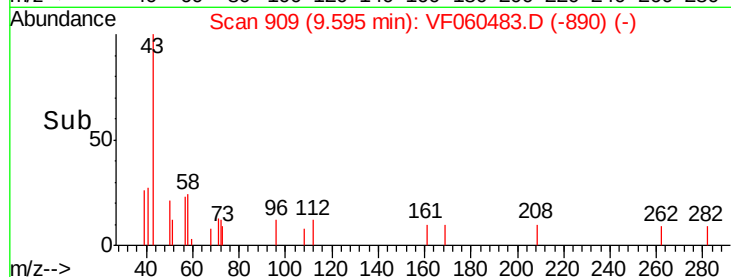
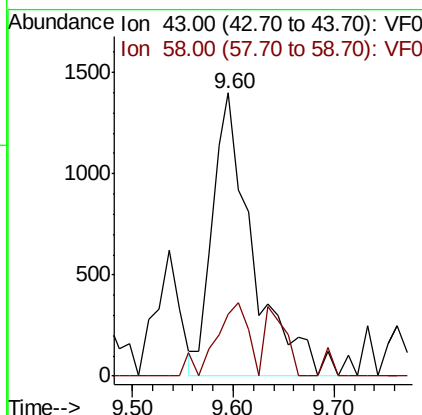
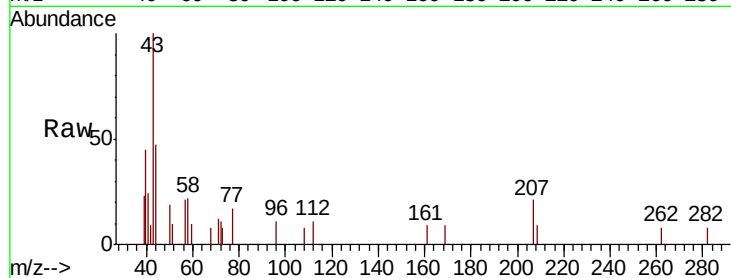




#59
2-Hexanone
Concen: 3.159 ug/l
RT: 9.60 min Scan# 909
Delta R.T. -0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

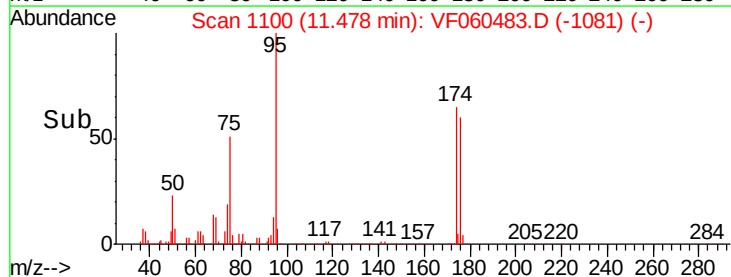
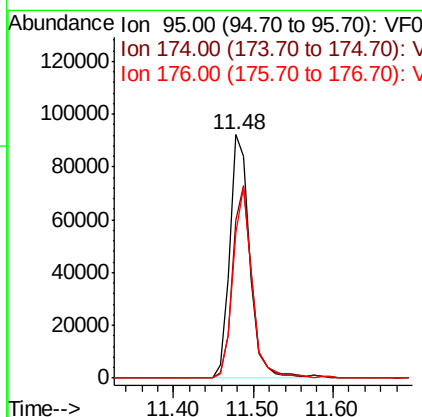
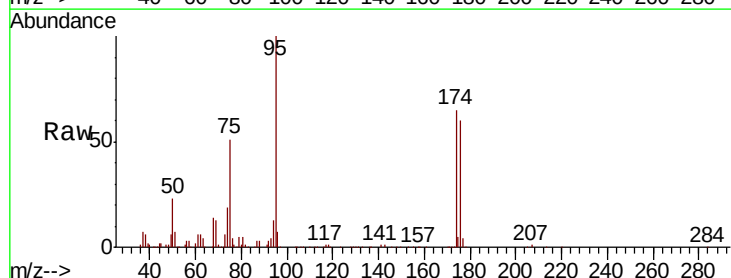
Instrument :
MSVOA_F
ClientSampleId :

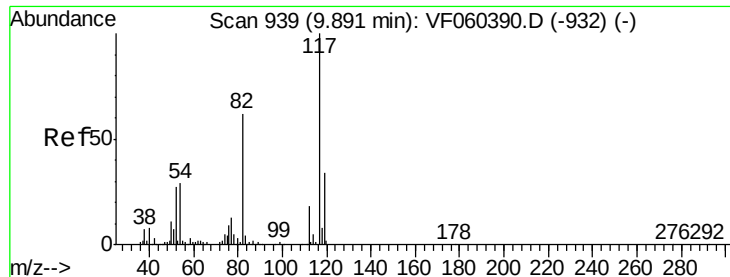
Tot Ion: 43 Resp: 3907
Ion Ratio Lower Upper
43 100
58 21.9 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 37.640 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

Tgt Ion: 95 Resp: 165060
Ion Ratio Lower Upper
95 100
174 64.7 0.0 129.0
176 59.8 0.0 125.6

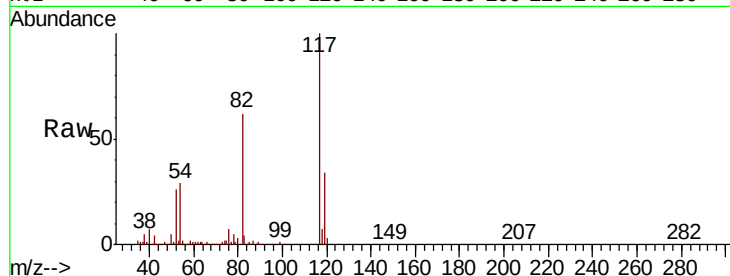




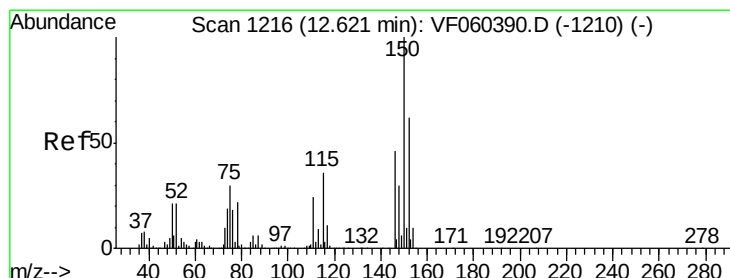
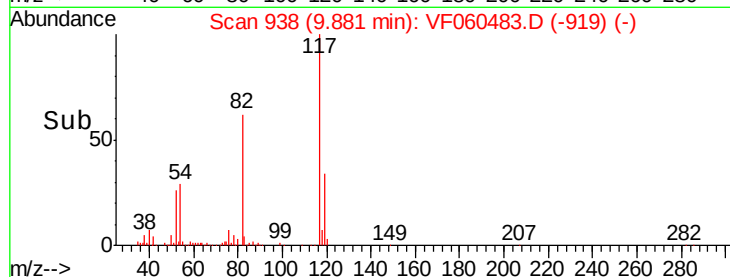
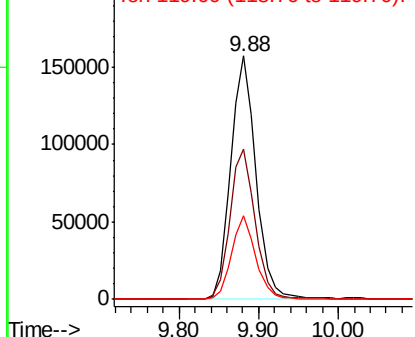
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 350401
Ion Ratio Lower Upper
117 100
82 61.6 49.5 74.3
119 34.2 27.0 40.6

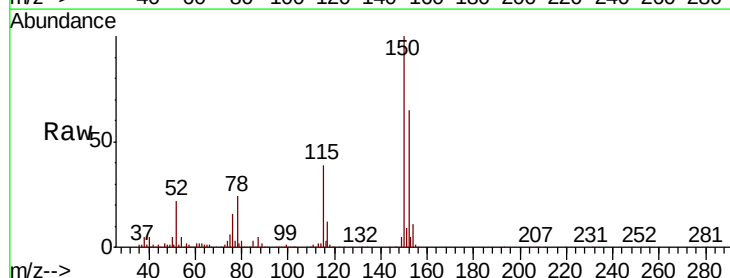


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VF060483.D
Acq: 8 Oct 2018 14:36

Tgt Ion:152 Resp: 210307
Ion Ratio Lower Upper
152 100
115 59.3 28.6 85.8
150 153.9 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

