

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061716.D
 Acq On : 22 Feb 2019 18:54
 Operator : VA/AP
 Sample : K1597-03RE
 Misc : 5.47g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-26RE

Quant Time: Feb 23 01:46:40 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

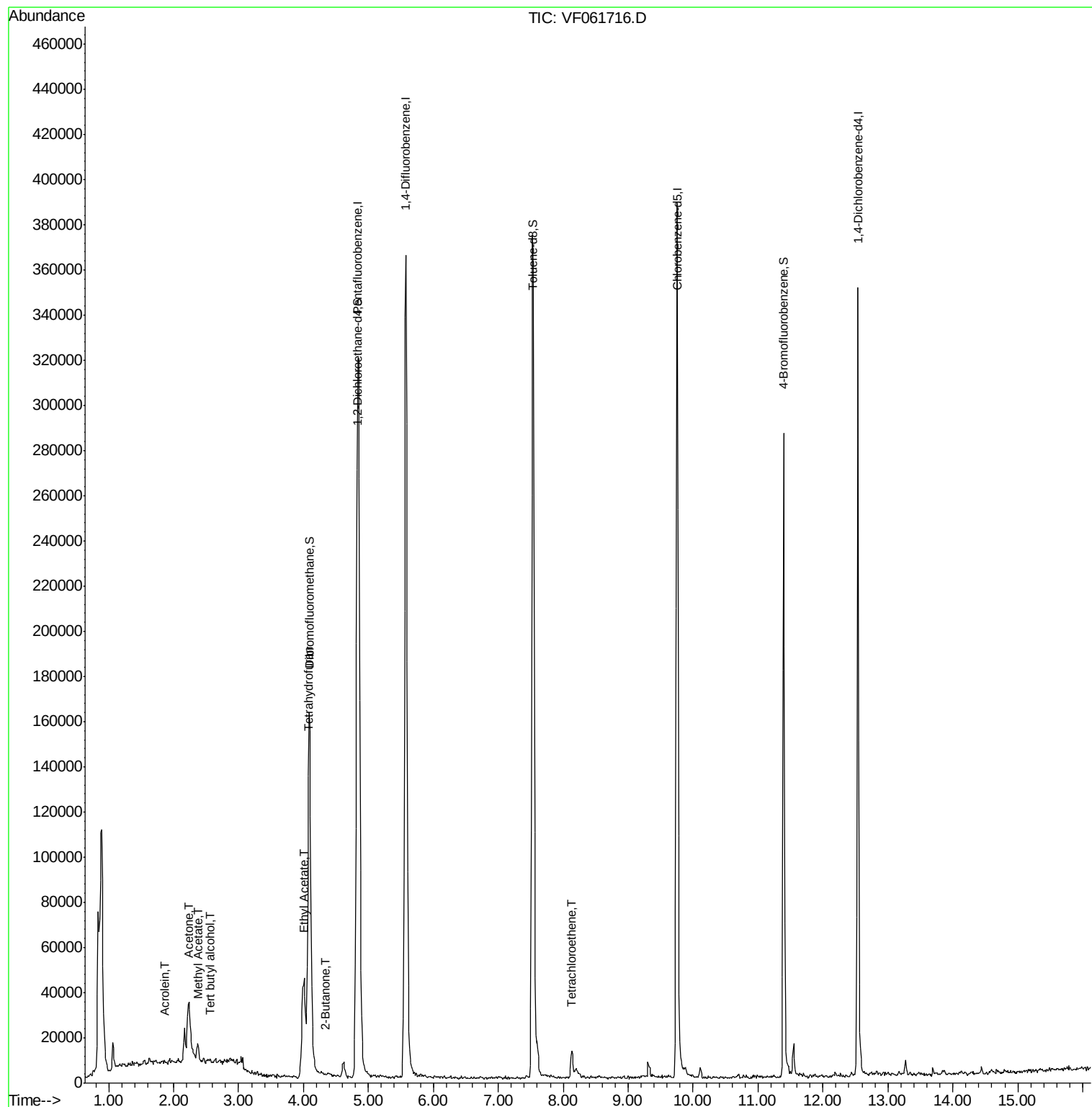
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	306862	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	466735	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	323081	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	102533	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	109363	48.60	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	97.20%	
35) Dibromofluoromethane	4.09	113	157706	45.50	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	91.00%	
50) Toluene-d8	7.54	98	352312	35.36	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	70.72%	
62) 4-Bromofluorobenzene	11.39	95	105713	26.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	52.44%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.57	59	550	4.223	ug/l #	19
13) Acrolein	1.87	56	184	1.124	ug/l	89
16) Acetone	2.22	43	23350	48.363	ug/l	93
18) Methyl Acetate	2.36	43	4693	4.315	ug/l #	59
25) 2-Butanone	4.32	43	1498	1.420	ug/l #	55
29) Tetrahydrofuran	4.07	42	3458	7.214	ug/l #	84
37) Ethyl Acetate	4.01	43	4913	2.288	ug/l #	77
64) Tetrachloroethene	8.13	164	3914	1.482	ug/l	92

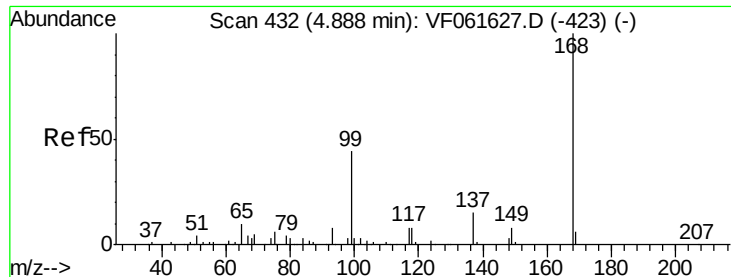
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061716.D

Acq: 22 Feb 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

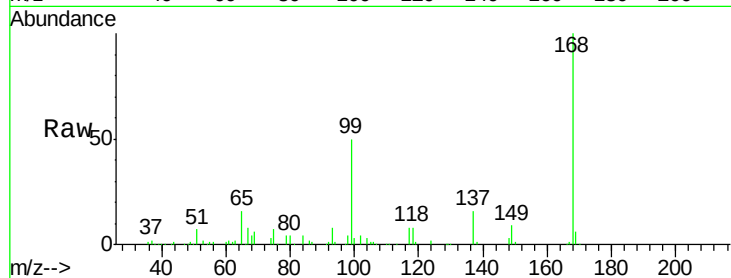
TP-26RE

Tot Ion:168 Resp: 306862

Ion Ratio Lower Upper

168 100

99 49.7 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

100000

80000

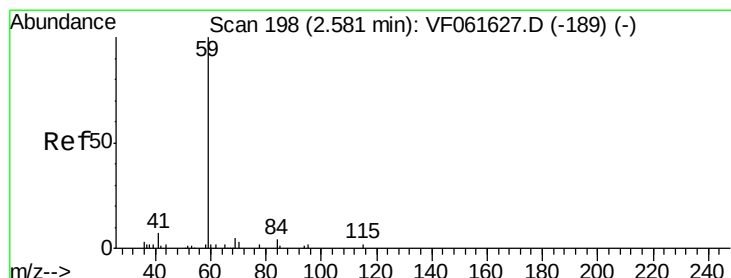
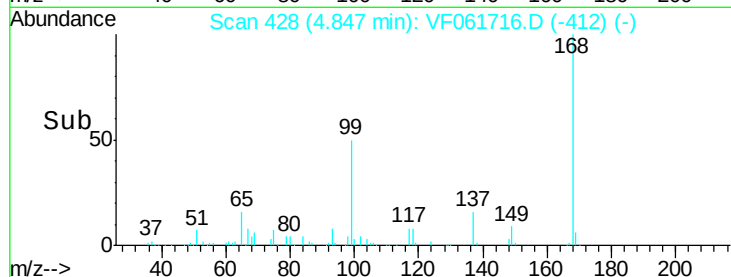
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.223 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061716.D

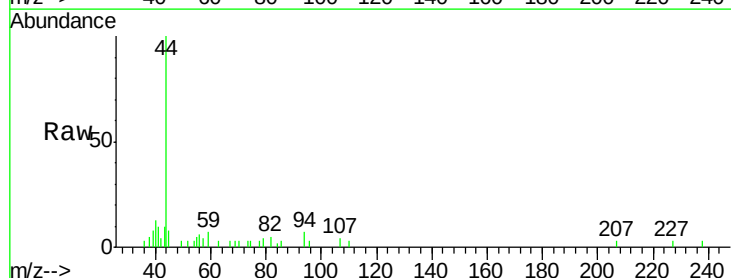
Acq: 22 Feb 2019 18:54

Tgt Ion: 59 Resp: 550

Ion Ratio Lower Upper

59 100

57 49.8 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

400

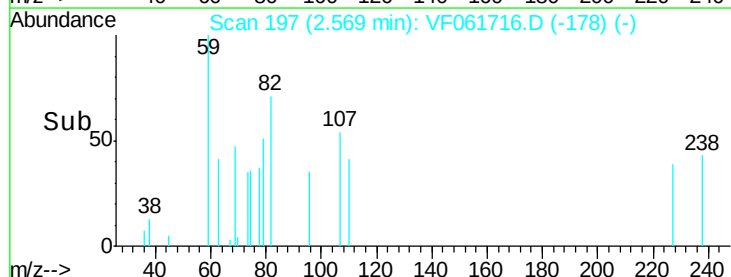
300

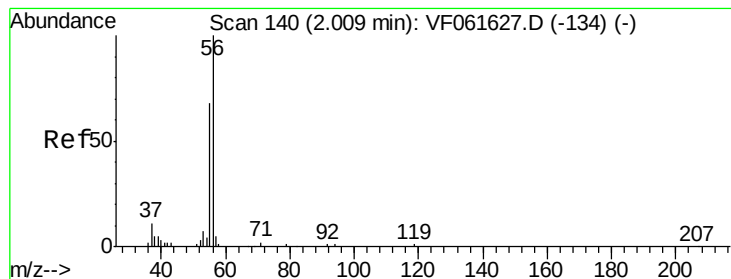
200

100

0

Time-->





#13

Acrolein

Concen: 1.124 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.14 min

Lab File: VF061716.D

Acq: 22 Feb 2019 18:54

Instrument :

MSVOA_F

ClientSampled :

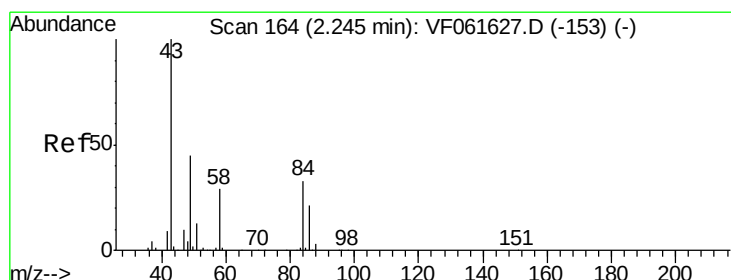
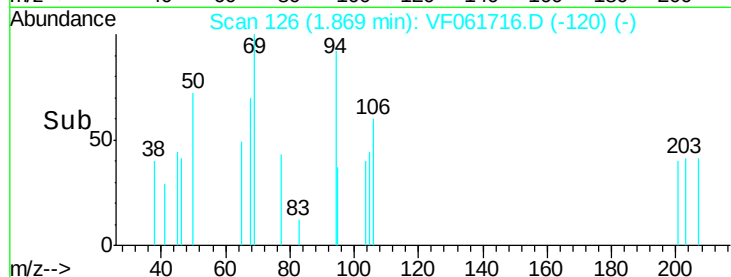
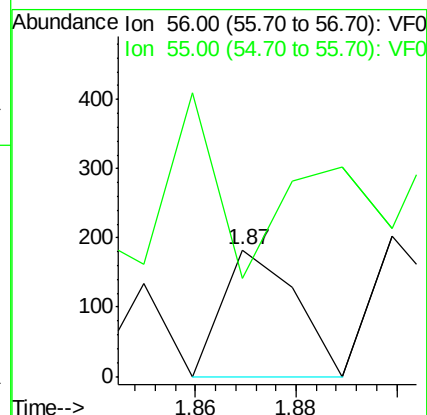
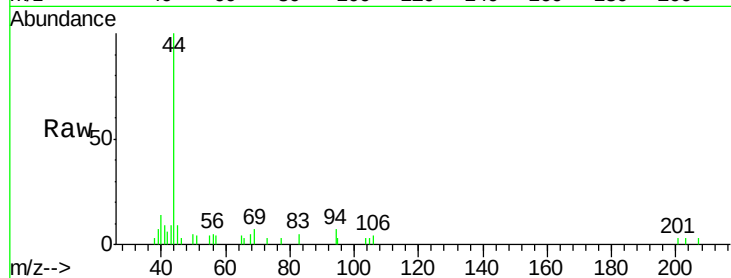
TP-26RE

Tot Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 77.6 55.0 82.6



#16

Acetone

Concen: 48.363 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061716.D

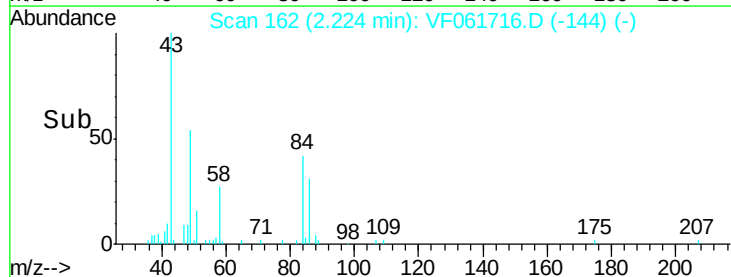
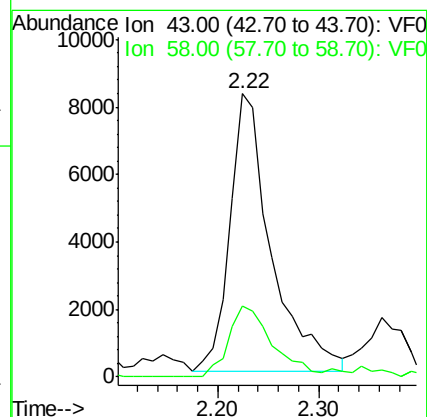
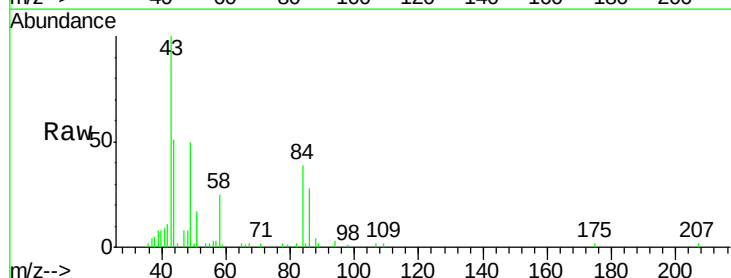
Acq: 22 Feb 2019 18:54

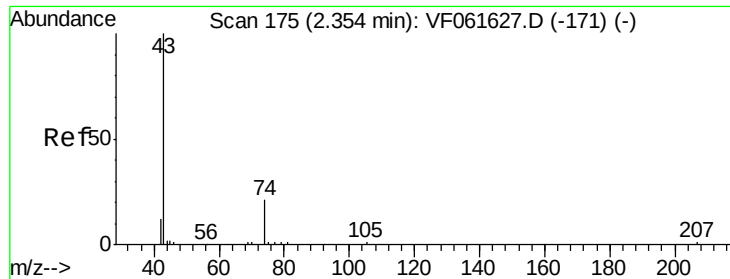
Tgt Ion: 43 Resp: 23350

Ion Ratio Lower Upper

43 100

58 25.0 22.9 34.3

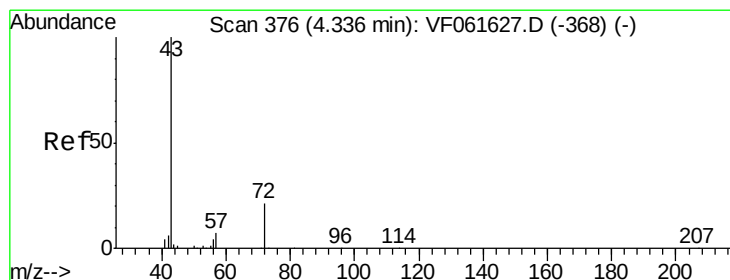
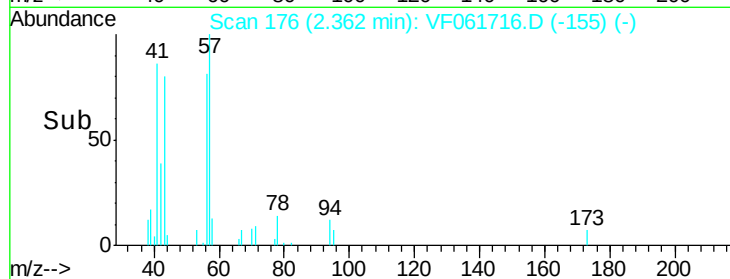
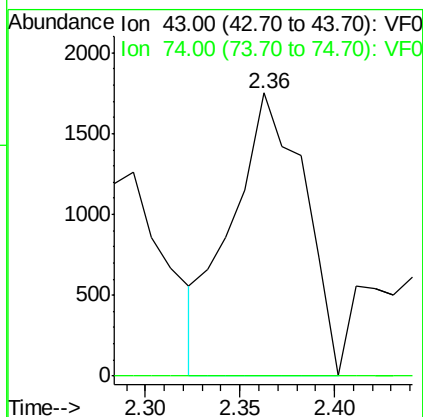
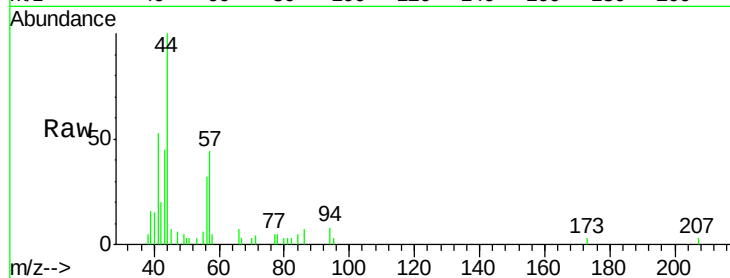




#18
Methyl Acetate
Concen: 4.315 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

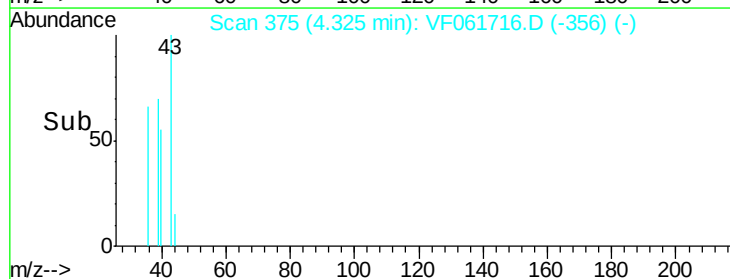
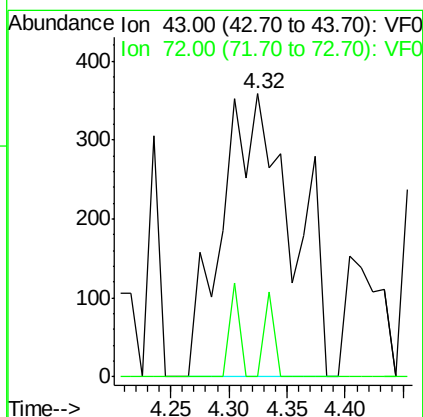
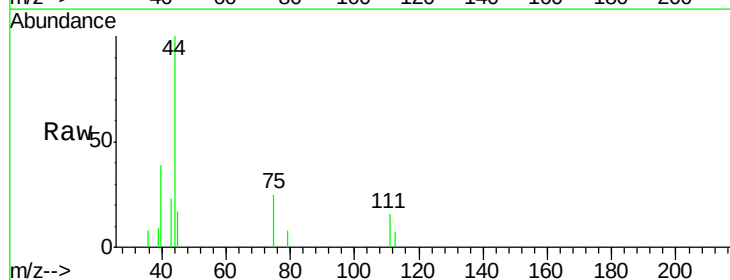
Instrument :
MSVOA_F
ClientSampleId :
TP-26RE

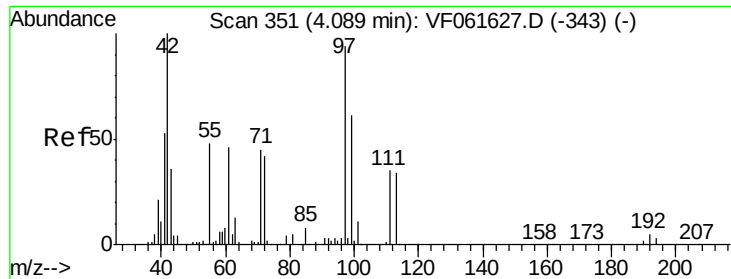
Tot Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#25
2-Butanone
Concen: 1.420 ug/l
RT: 4.32 min Scan# 375
Delta R.T. -0.01 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#

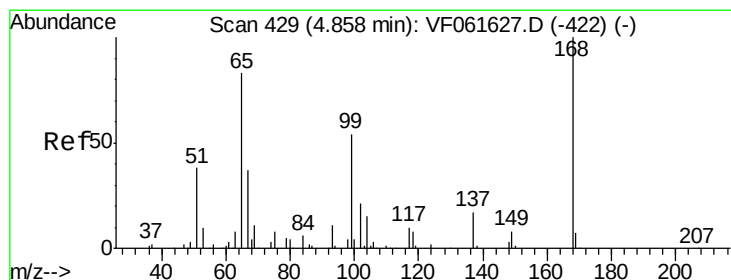
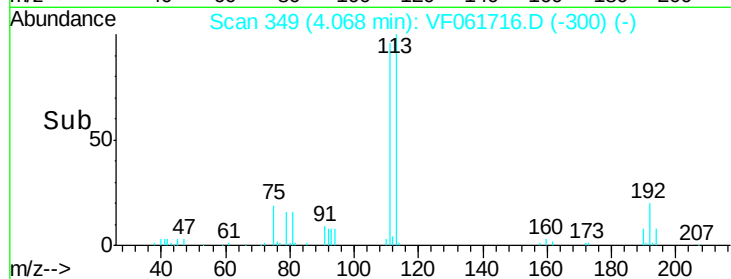
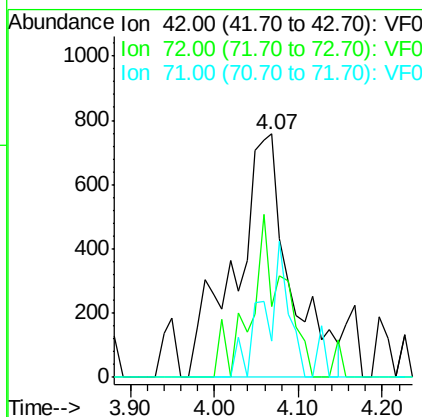
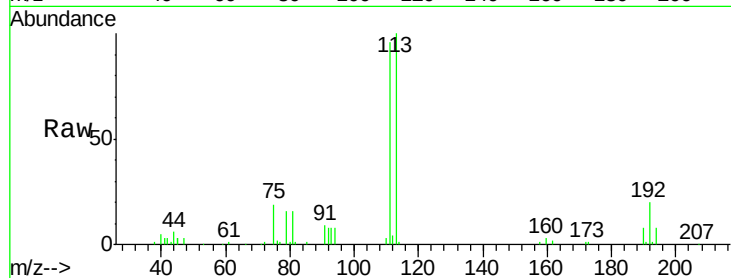




#29
Tetrahydrofuran
Concen: 7.214 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

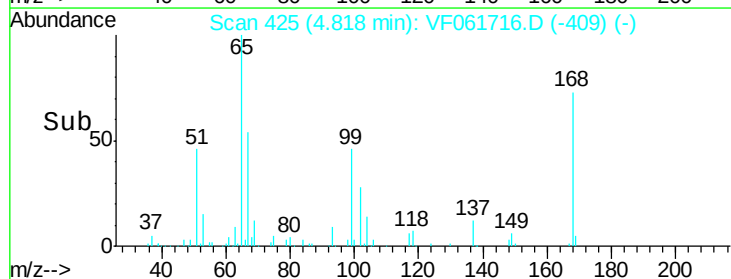
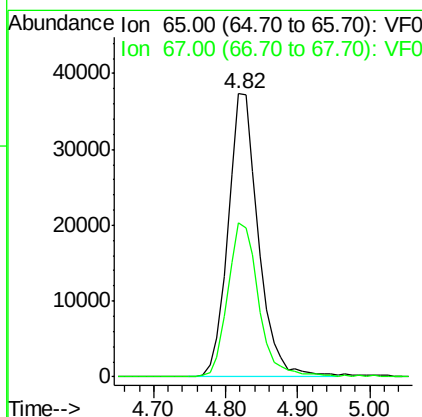
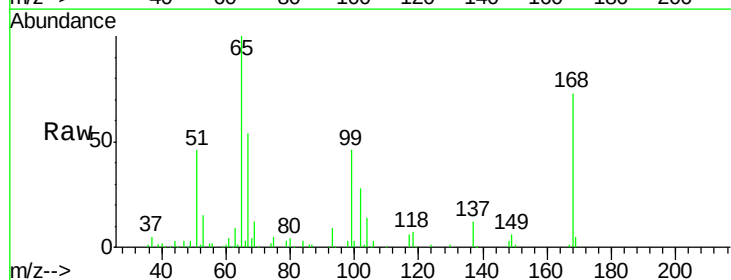
Instrument :
MSVOA_F
ClientSampleId :
TP-26RE

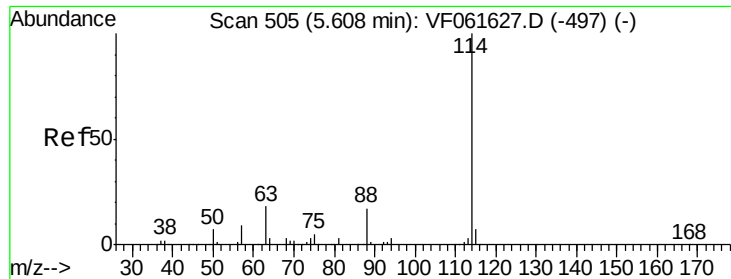
Tot Ion: 42 Resp: 3458
Ion Ratio Lower Upper
42 100
72 39.8 35.2 52.8
71 25.3 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 48.600 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.04 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

Tgt Ion: 65 Resp: 109363
Ion Ratio Lower Upper
65 100
67 54.4 0.0 104.0

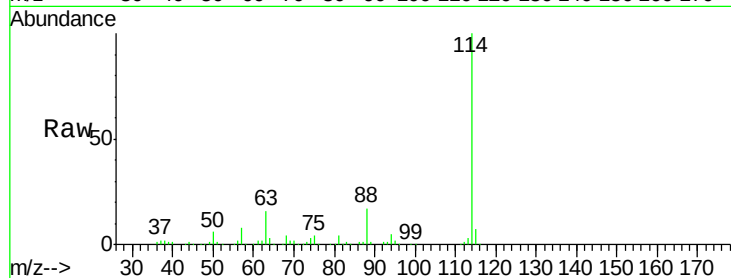




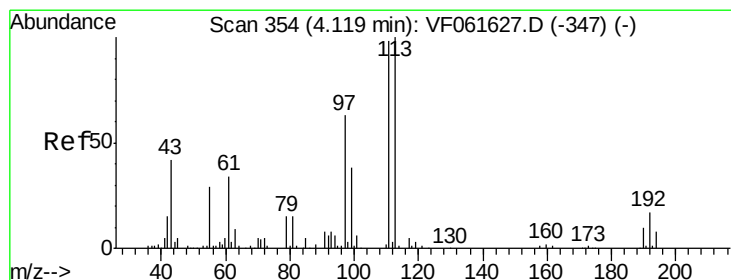
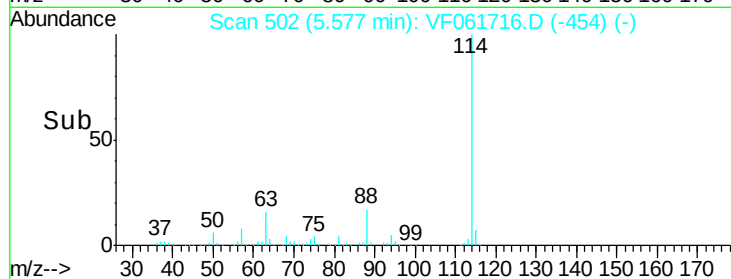
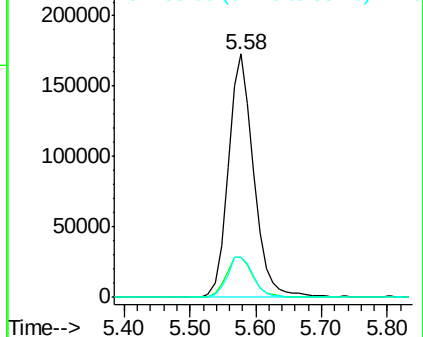
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061716.D
 Acq: 22 Feb 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-26RE

Tot Ion:114 Resp: 466735
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 36.6
 88 16.6 0.0 34.4

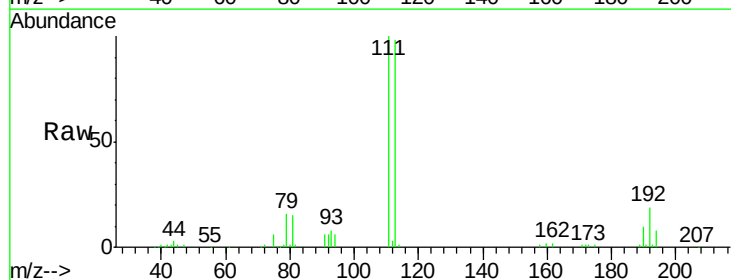


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

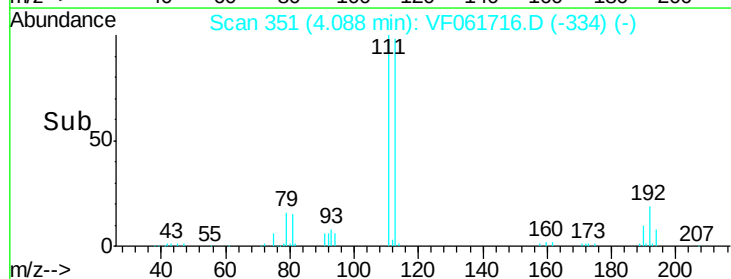
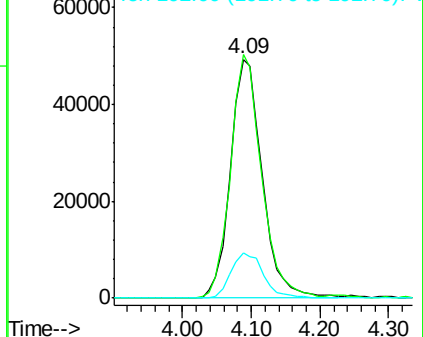


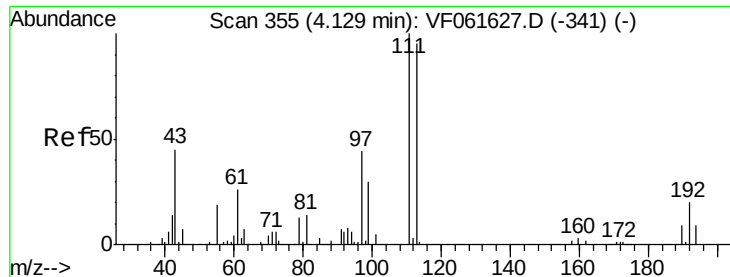
#35
 Dibromofluoromethane
 Concen: 45.501 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061716.D
 Acq: 22 Feb 2019 18:54

Tgt Ion:113 Resp: 157706
 Ion Ratio Lower Upper
 113 100
 111 102.1 78.8 118.2
 192 19.7 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

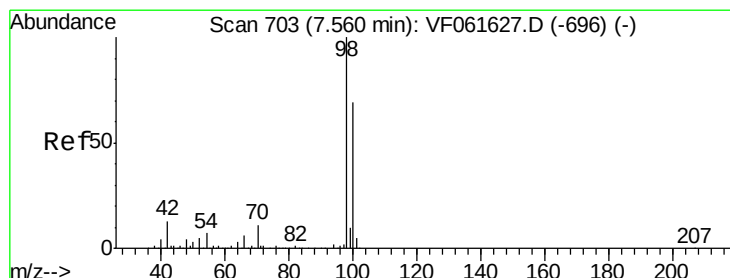
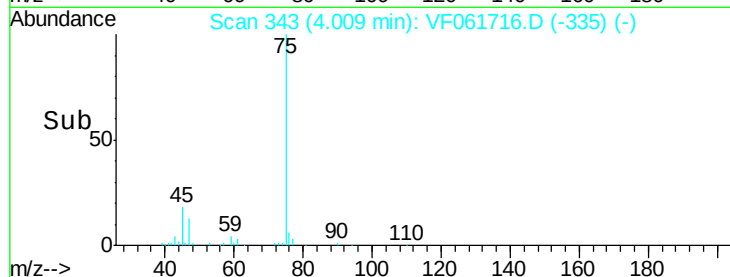
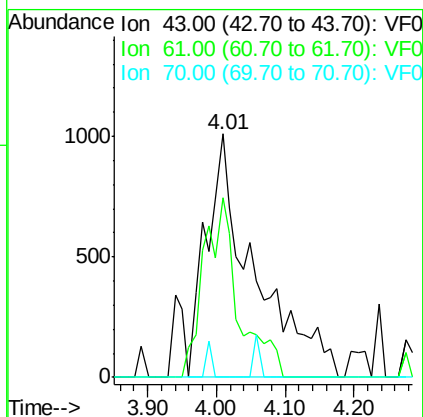
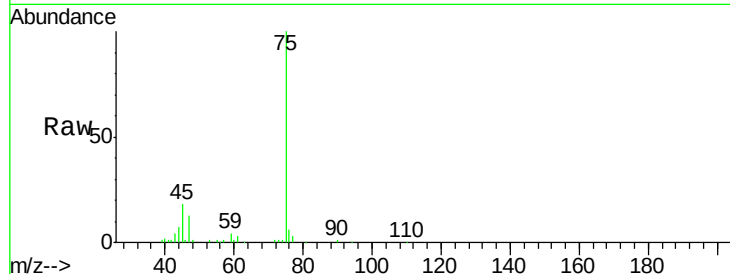




#37
Ethyl Acetate
Concen: 2.288 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.12 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

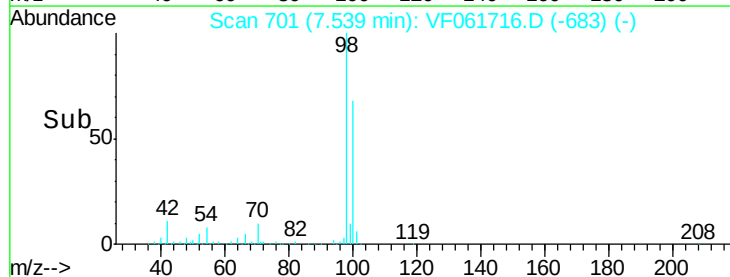
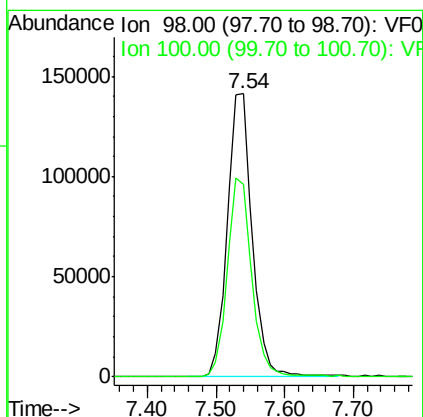
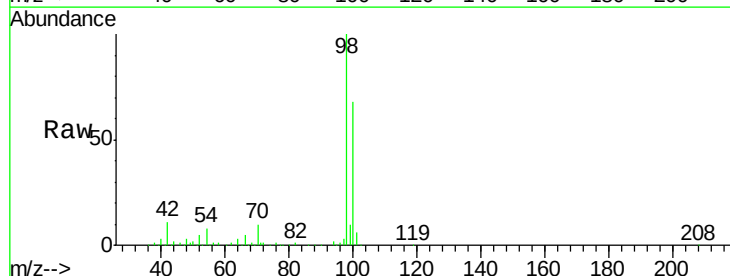
Instrument :
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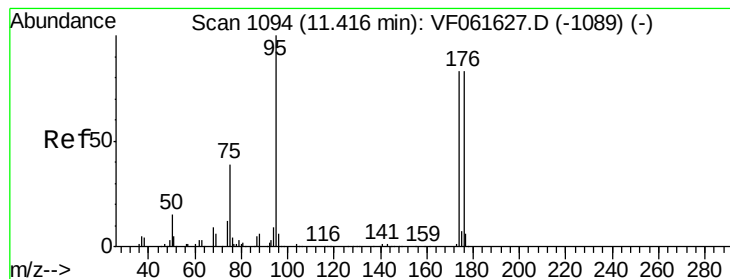
Tot Ion: 43 Resp: 4913
Ion Ratio Lower Upper
43 100
61 73.6 45.7 68.5#
70 0.0 8.5 12.7#



#50
Toluene-d8
Concen: 35.359 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

Tgt Ion: 98 Resp: 352312
Ion Ratio Lower Upper
98 100
100 67.9 55.4 83.2





#62

4-Bromofluorobenzene

Concen: 26.222 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061716.D

Acq: 22 Feb 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

TP-26RE

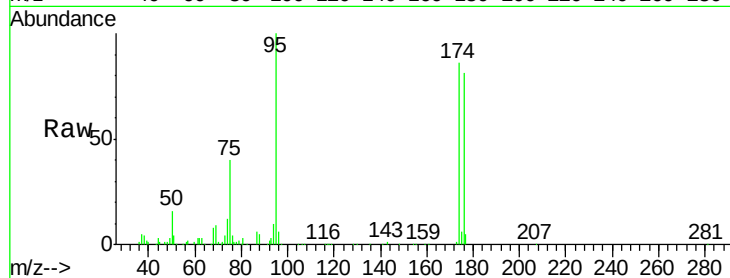
Tot Ion: 95 Resp: 105713

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

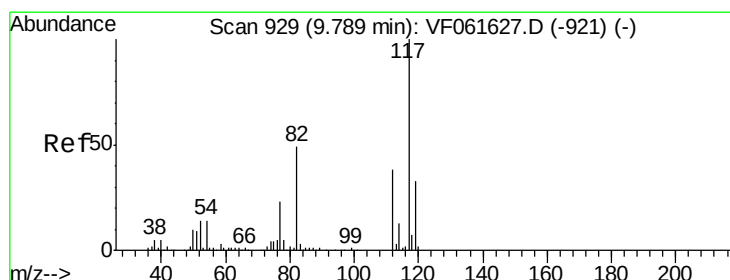
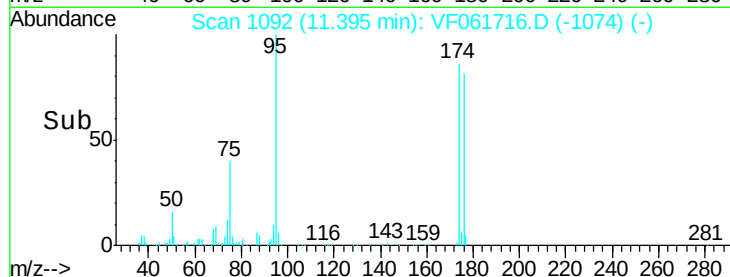
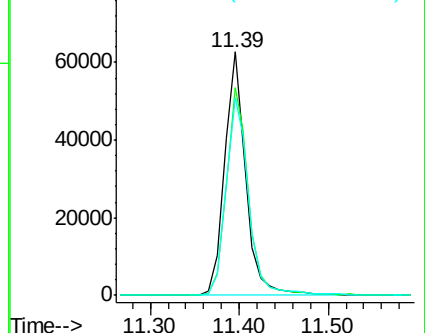
176 81.0 0.0 167.0



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: VF061716.D

Acq: 22 Feb 2019 18:54

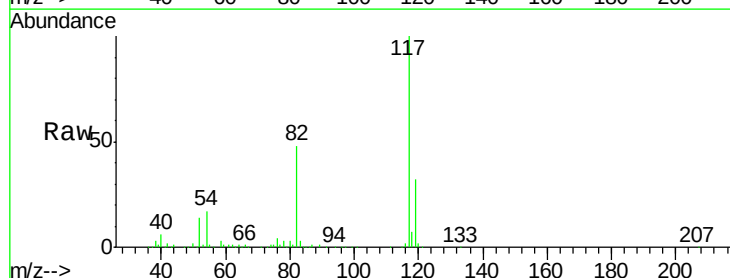
Tgt Ion: 117 Resp: 323081

Ion Ratio Lower Upper

117 100

82 48.5 39.3 58.9

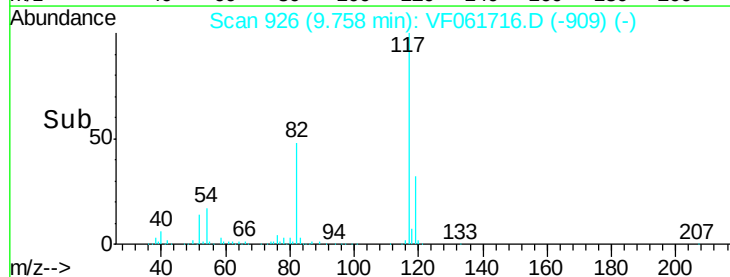
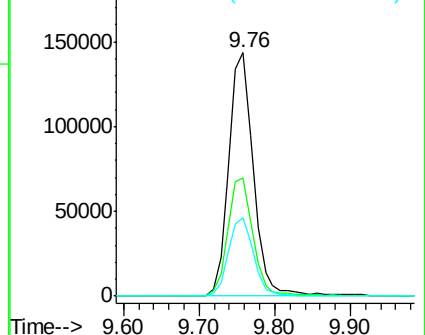
119 32.3 26.6 40.0

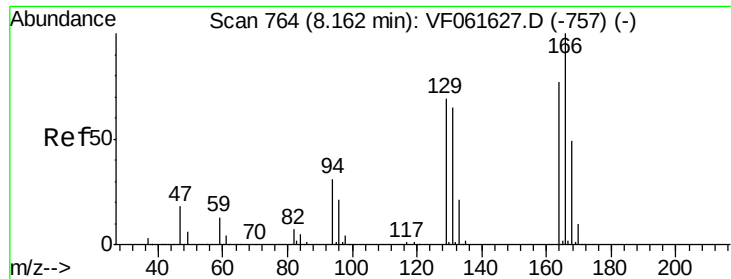


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

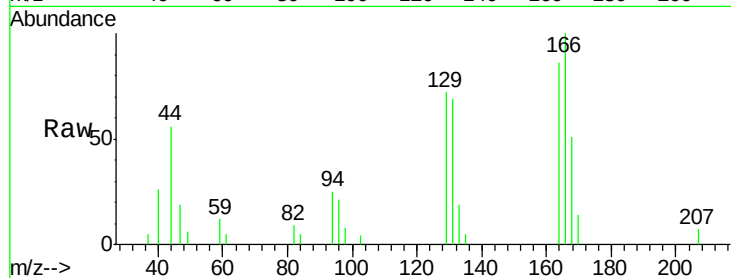




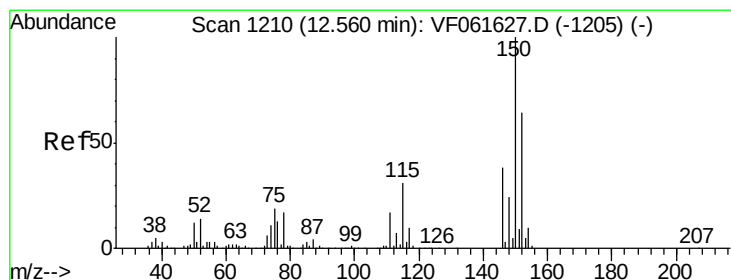
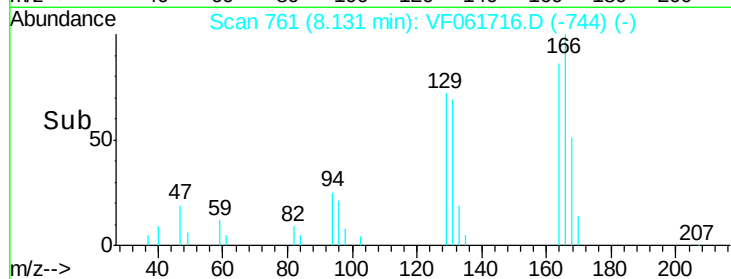
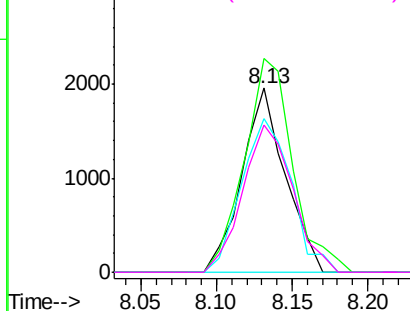
#64
Tetrachloroethene
Concen: 1.482 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
TP-26RE

Tot Ion:164 Resp: 3914
Ion Ratio Lower Upper
164 100
166 115.9 103.9 155.9
129 83.4 71.3 106.9
131 79.6 67.1 100.7

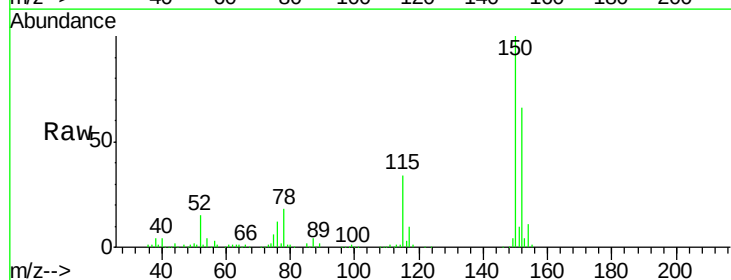


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061716.D
Acq: 22 Feb 2019 18:54

Tgt Ion:152 Resp: 102533
Ion Ratio Lower Upper
152 100
115 50.7 24.3 72.8
150 151.0 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

