

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062641.D
 Acq On : 17 May 2019 16:31
 Operator : FY/SY
 Sample : K2866-07
 Misc : 6.70g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

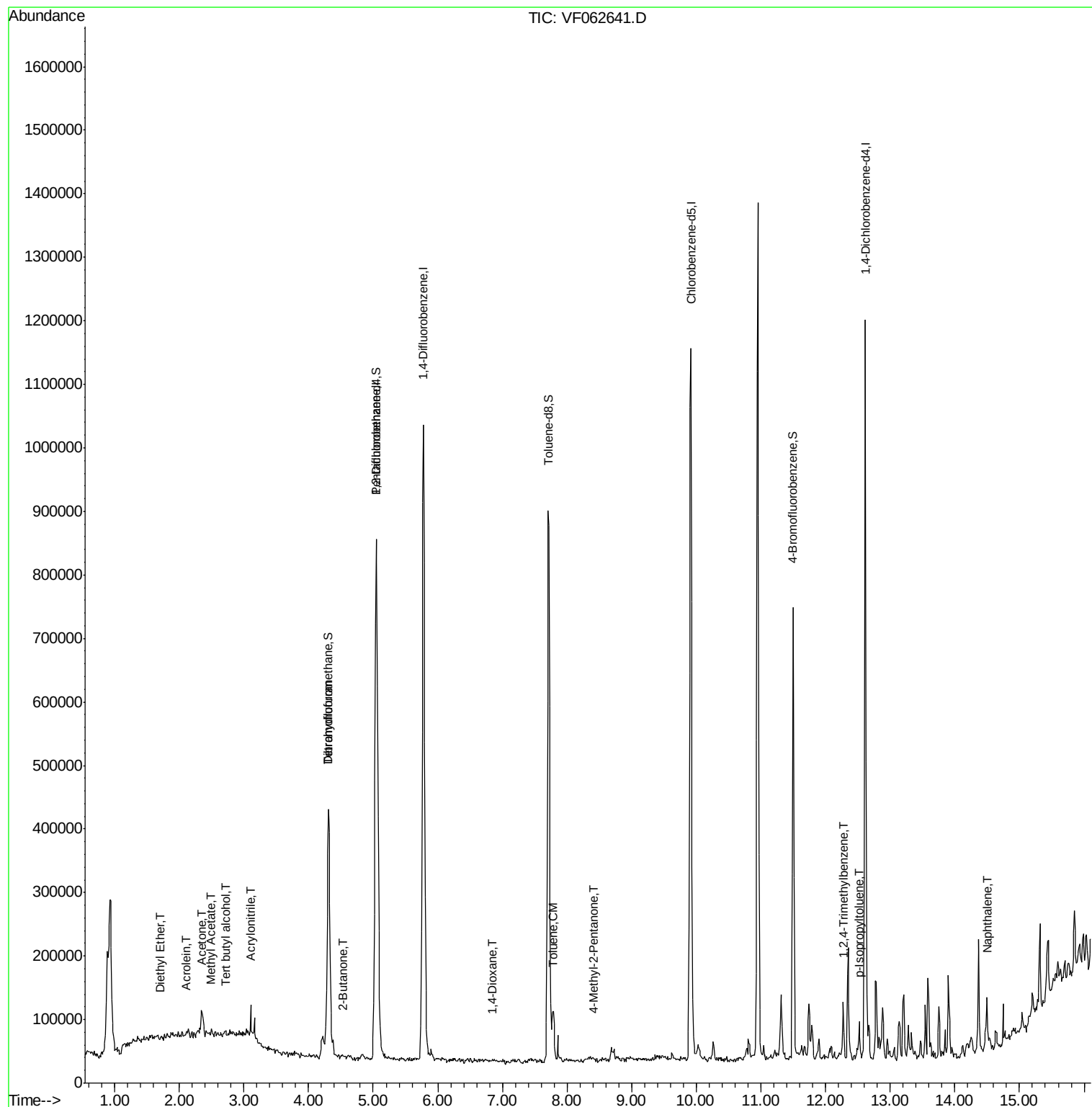
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	761490	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1259117	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	881283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	333676	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	207316	38.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.06%	
35) Dibromofluoromethane	4.31	113	387795	40.25	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	80.50%	
50) Toluene-d8	7.72	98	819143	35.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.22%	
62) 4-Bromofluorobenzene	11.49	95	276955	31.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	63.48%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.71	74	2428	1.039	ug/l	88
11) Tert butyl alcohol	2.71	59	2255	6.347	ug/l #	1
13) Acrolein	2.09	56	1852	4.994	ug/l #	80
15) Acrylonitrile	3.11	53	1872	1.868	ug/l #	54
16) Acetone	2.36	43	71406	51.150	ug/l #	78
18) Methyl Acetate	2.50	43	4898	2.233	ug/l #	73
25) 2-Butanone	4.53	43	4476	1.501	ug/l	98
29) Tetrahydrofuran	4.30	42	4233	3.507	ug/l #	62
49) 1,4-Dioxane	6.85	88	328	7.179	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	6493	1.392	ug/l #	76
52) Toluene	7.78	92	44376	2.407	ug/l	97
59) 2-Hexanone	9.63	43	10299	Below Cal		64
74) N-amyl acetate	11.45	43	4802	Below Cal	#	70
84) 1,2,4-Trimethylbenzene	12.27	105	41038	2.211	ug/l	98
86) p-Isopropyltoluene	12.52	119	35254	1.602	ug/l	88
95) Naphthalene	14.50	128	56040	4.495	ug/l #	94

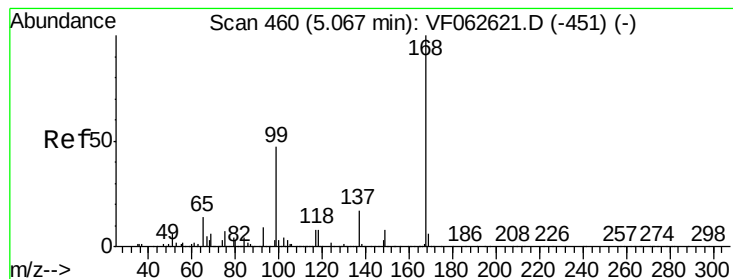
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Instrument :

MSVOA_F

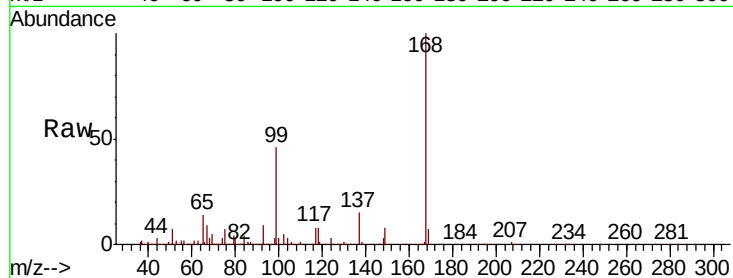
ClientSampled :

Tot Ion:168 Resp: 761490

Ion Ratio Lower Upper

168 100

99 45.5 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

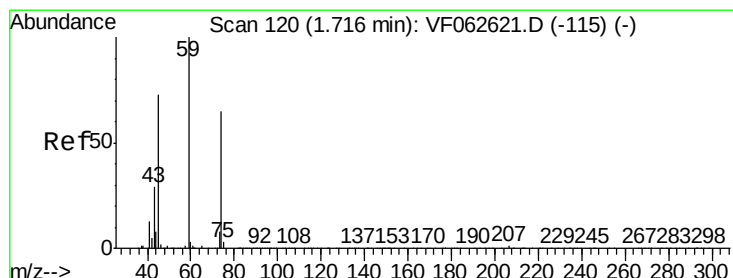
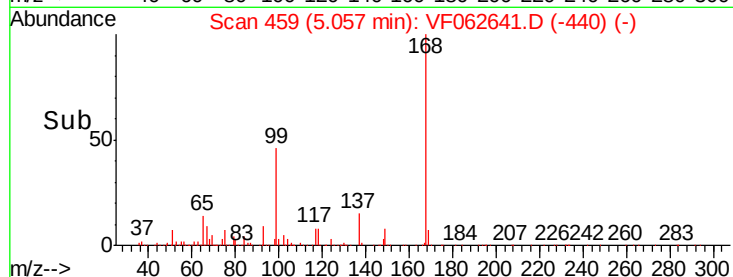
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.039 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062641.D

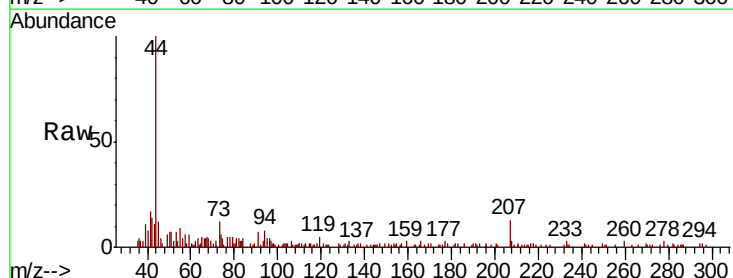
Acq: 17 May 2019 16:31

Tgt Ion: 74 Resp: 2428

Ion Ratio Lower Upper

74 100

45 126.7 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

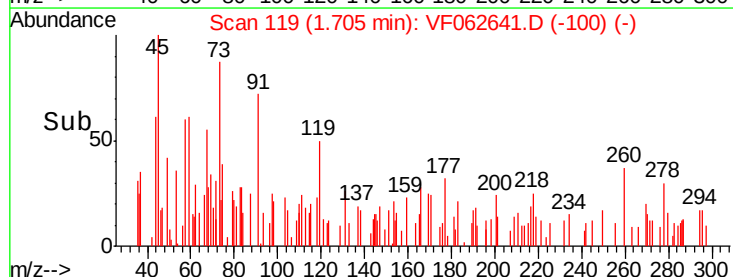
1500

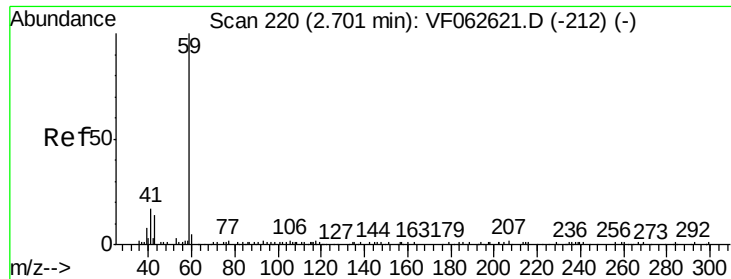
1000

500

0

Time-->



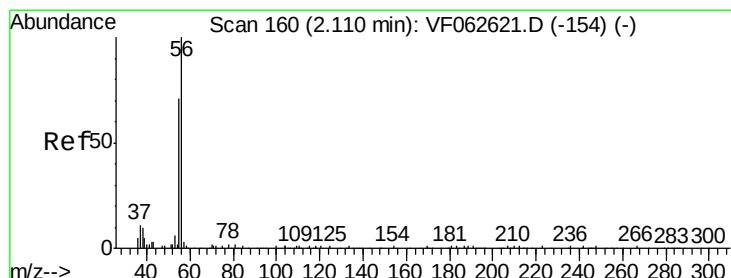
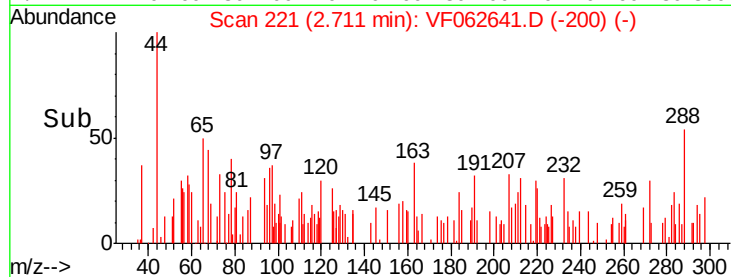
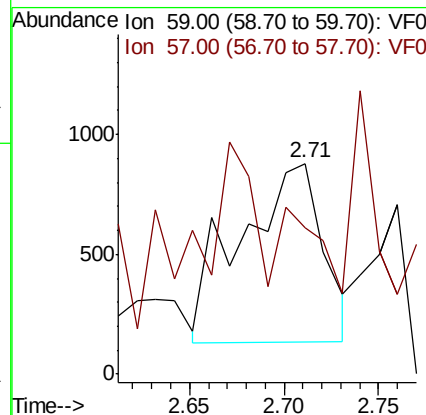
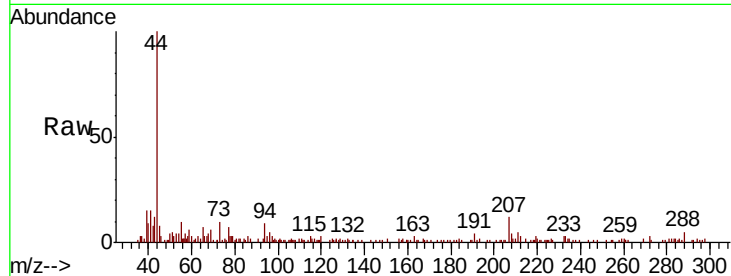


#11

Tert butyl alcohol
 Concen: 6.347 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VF062641.D
 Acq: 17 May 2019 16:31

Instrument :
 MSVOA_F
 ClientSampleId :

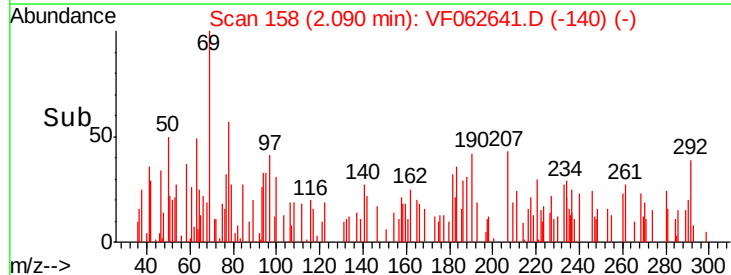
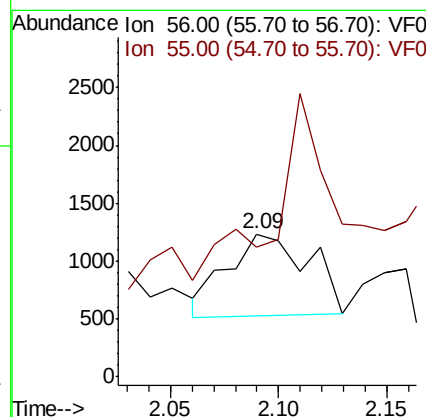
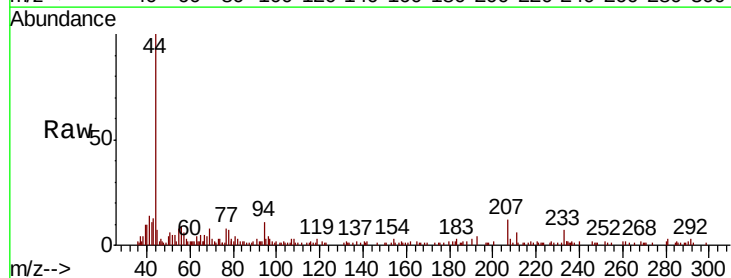
Tot Ion: 59 Resp: 2255
 Ion Ratio Lower Upper
 59 100
 57 100.1 9.3 13.9#

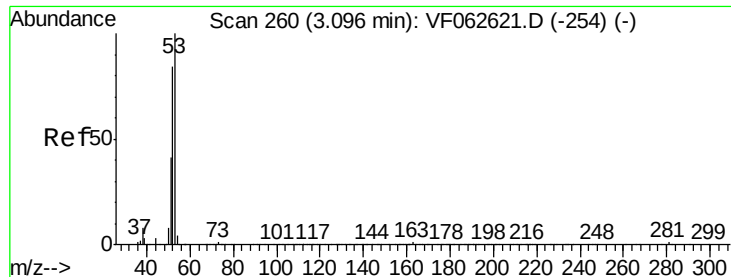


#13

Acrolein
 Concen: 4.994 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. -0.02 min
 Lab File: VF062641.D
 Acq: 17 May 2019 16:31

Tgt Ion: 56 Resp: 1852
 Ion Ratio Lower Upper
 56 100
 55 90.8 59.4 89.0#





#15

Acrylonitrile

Concen: 1.868 ug/l

RT: 3.11 min Scan# 261

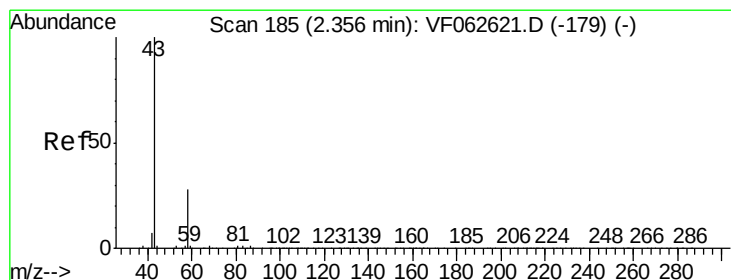
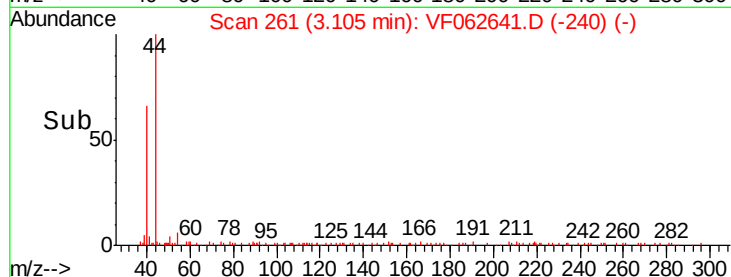
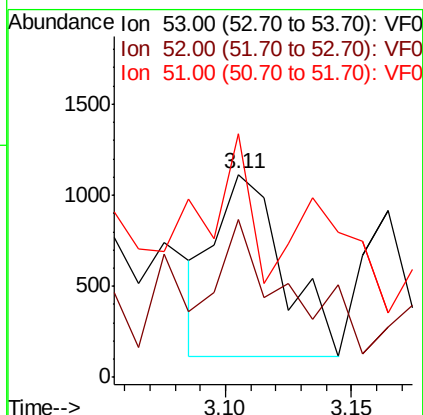
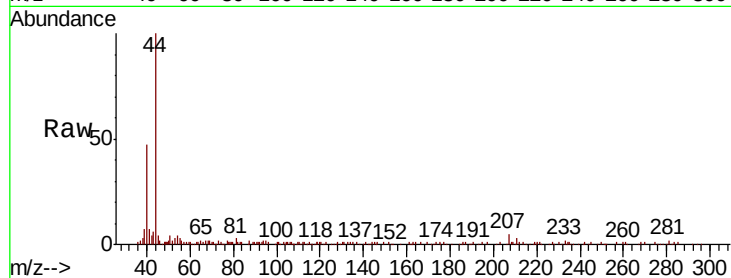
Delta R.T. 0.01 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	1872
Ion	Ratio	Lower	Upper
53	100		
52	77.7	67.3	100.9
51	120.0	33.0	49.6#



#16

Acetone

Concen: 51.150 ug/l

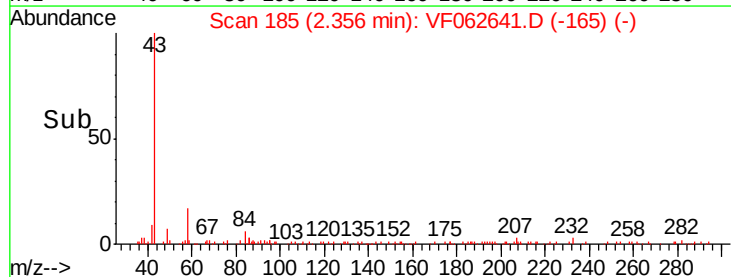
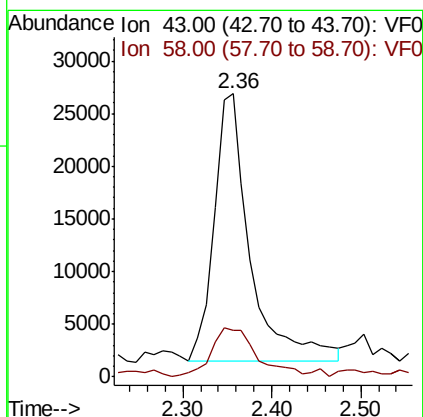
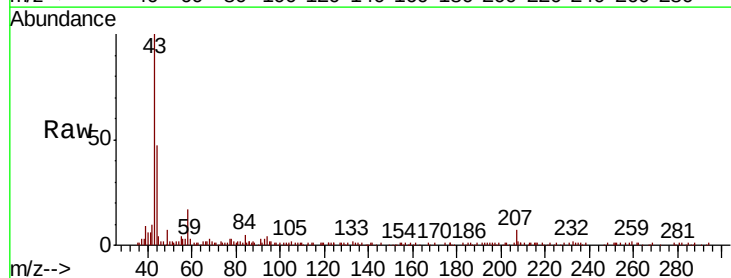
RT: 2.36 min Scan# 185

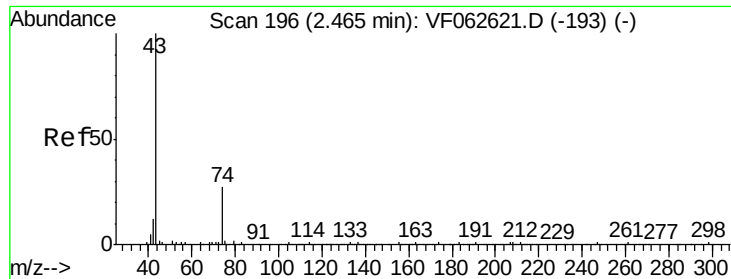
Delta R.T. -0.00 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Tgt Ion:	43	Resp:	71406
Ion	Ratio	Lower	Upper
43	100		
58	16.5	22.6	33.8#

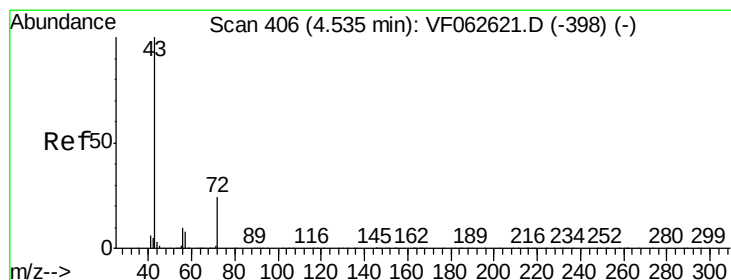
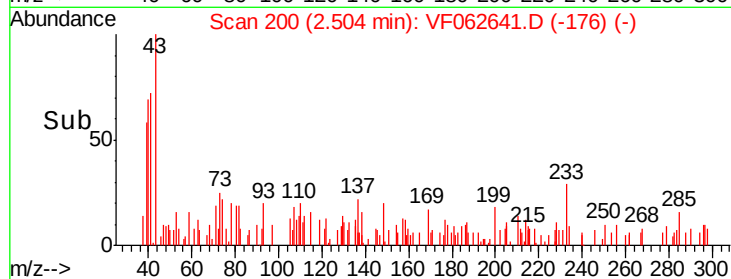
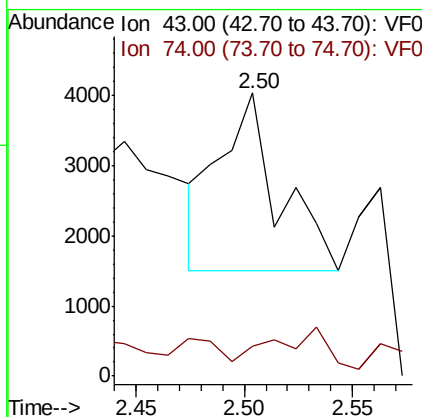
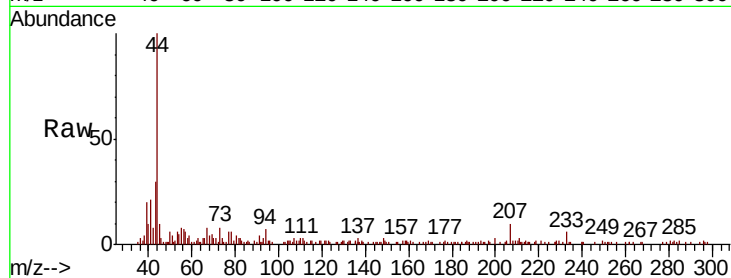




#18
Methyl Acetate
Concen: 2.233 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

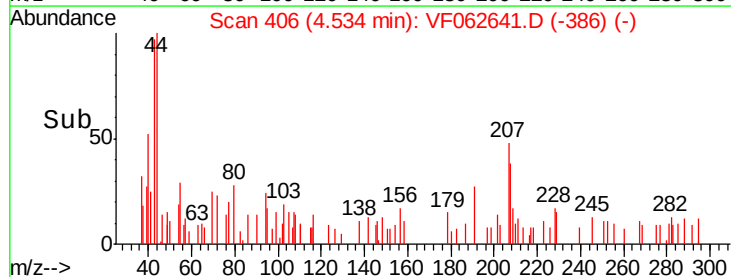
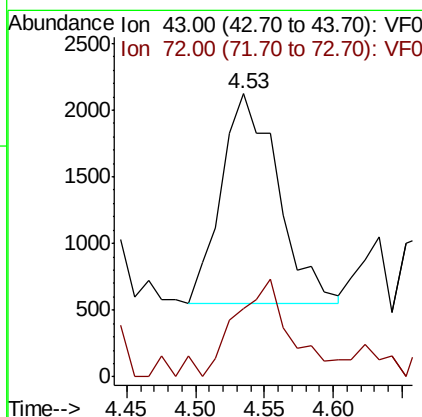
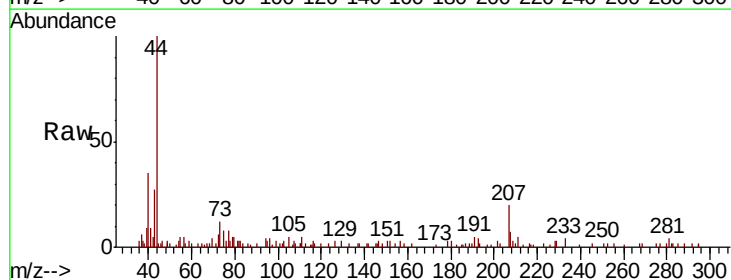
Instrument :
MSVOA_F
ClientSampleId :

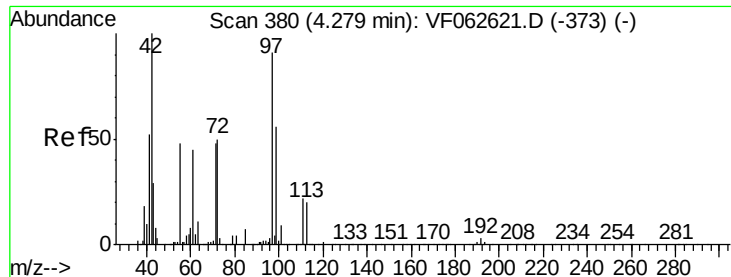
Tot Ion: 43 Resp: 4898
Ion Ratio Lower Upper
43 100
74 10.4 18.9 28.3#



#25
2-Butanone
Concen: 1.501 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

Tgt Ion: 43 Resp: 4476
Ion Ratio Lower Upper
43 100
72 24.3 20.1 30.1





#29

Tetrahydrofuran

Concen: 3.507 ug/l

RT: 4.30 min Scan# 382

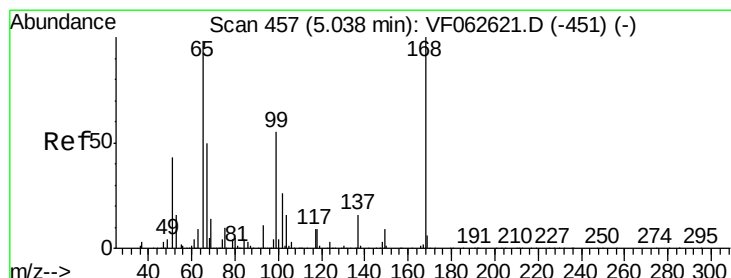
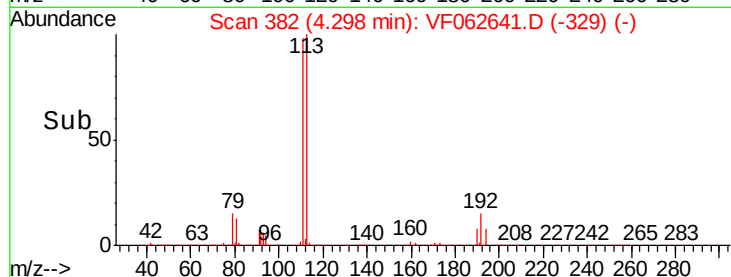
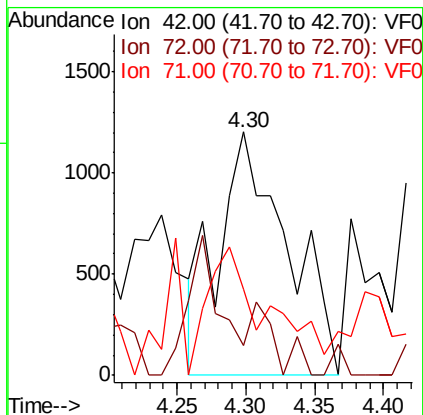
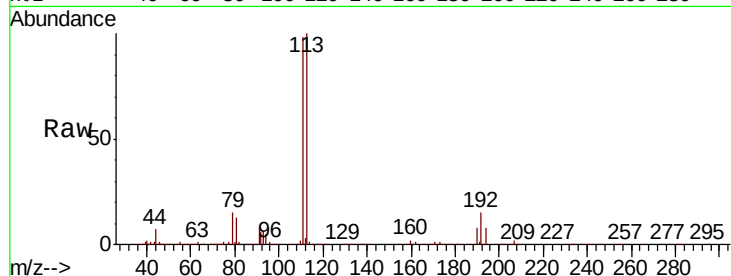
Delta R.T. 0.02 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	4233
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.2#
71	47.2	35.8	53.6



#33

1,2-Dichloroethane-d4

Concen: 38.527 ug/l

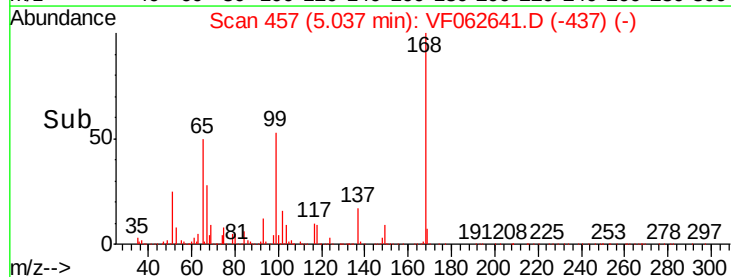
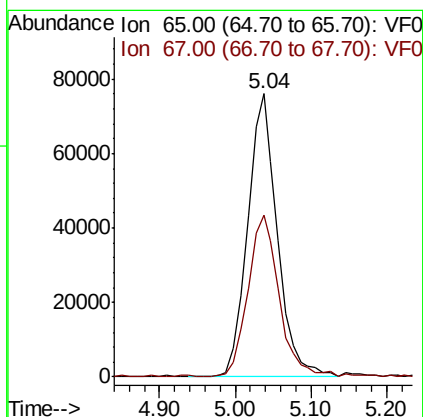
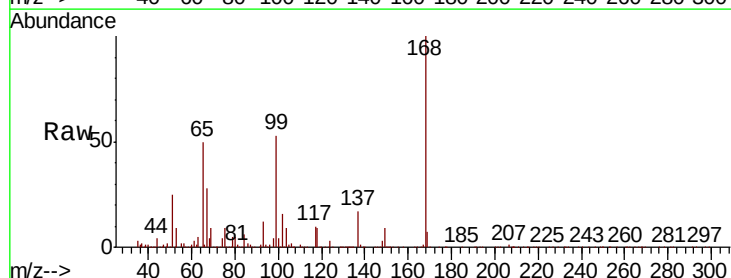
RT: 5.04 min Scan# 457

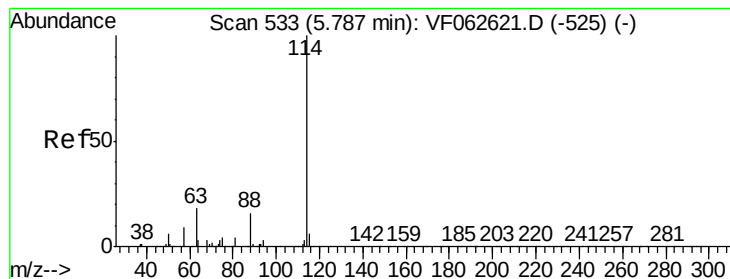
Delta R.T. -0.00 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Tgt Ion:	65	Resp:	207316
Ion	Ratio	Lower	Upper
65	100		
67	57.0	0.0	117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Instrument :

MSVOA_F

ClientSampleId :

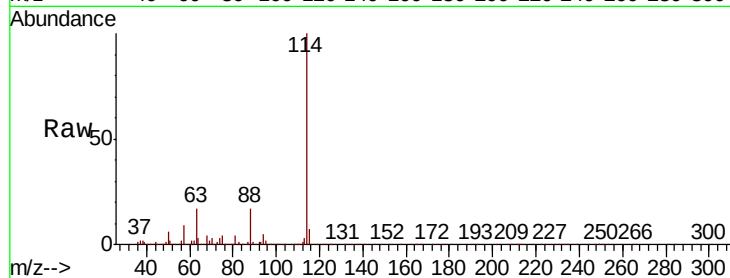
Tot Ion:114 Resp: 1259117

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

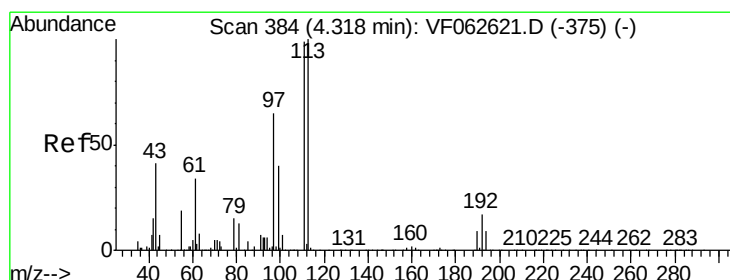
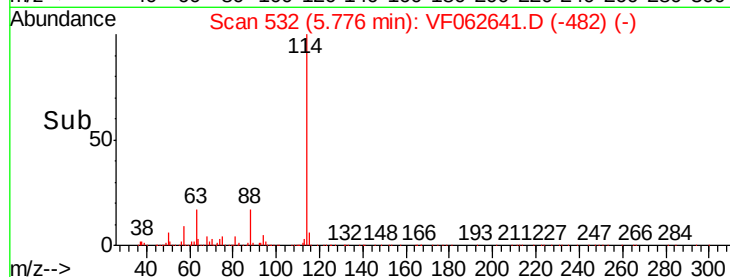
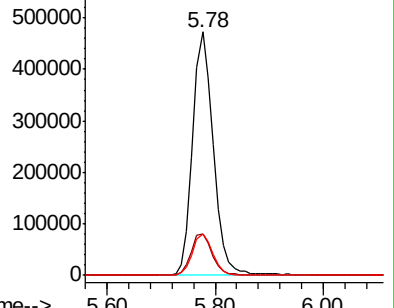
88 16.7 0.0 32.4



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: 40.249 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

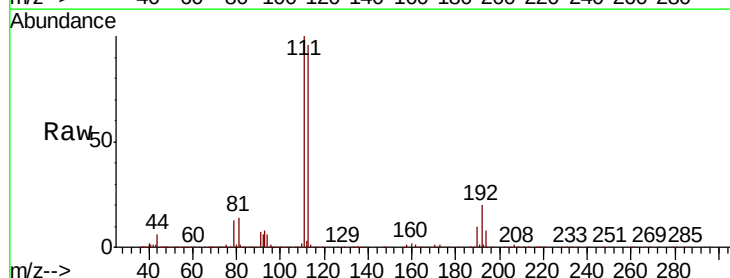
Tgt Ion:113 Resp: 387795

Ion Ratio Lower Upper

113 100

111 104.1 79.4 119.2

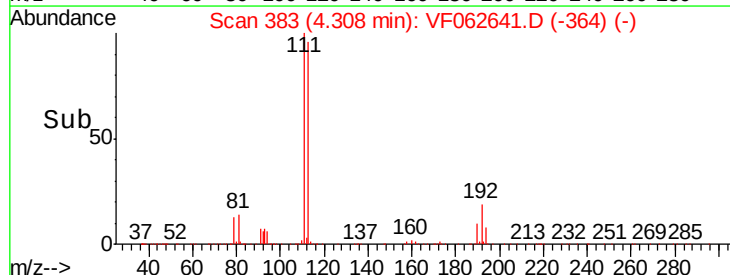
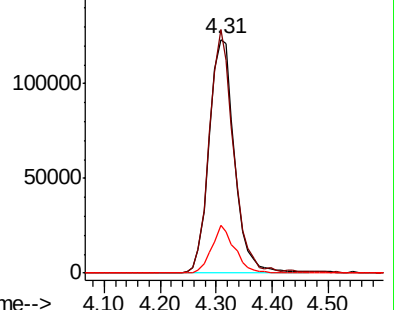
192 20.3 13.4 20.2#

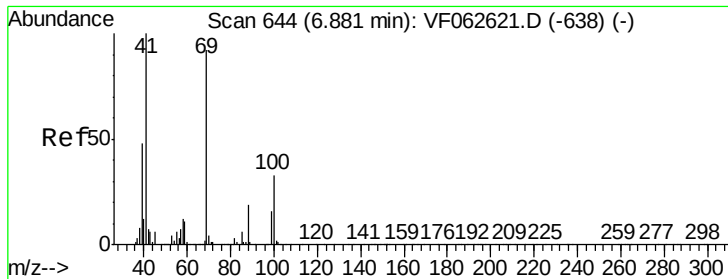


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 7.179 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Instrument :
MSVOA_F
ClientSampled :

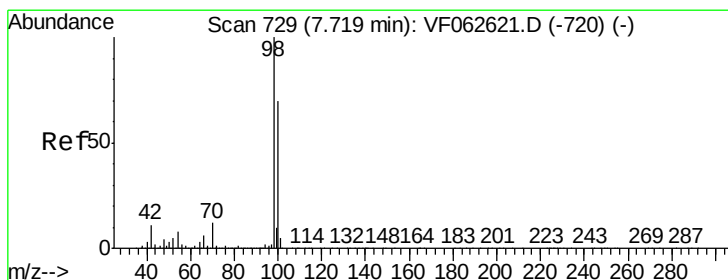
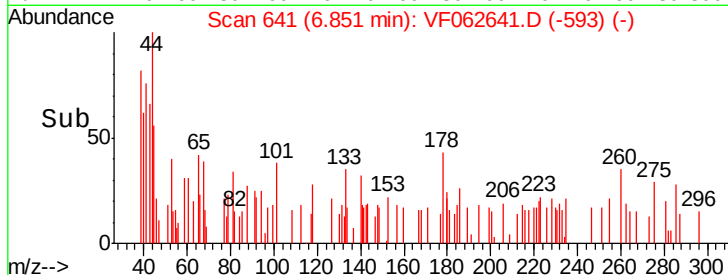
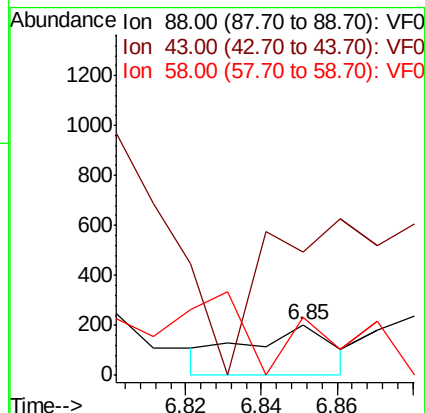
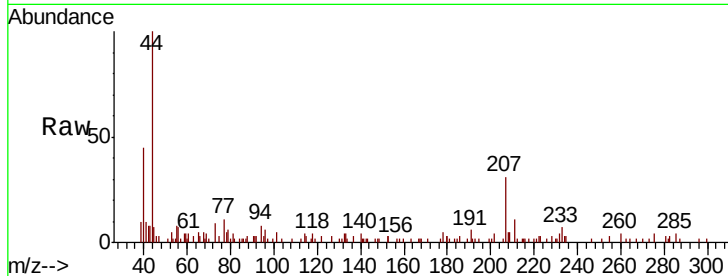
Tot Ion: 88 Resp: 328

Ion Ratio Lower Upper

88 100

43 242.6 30.0 45.0#

58 114.7 51.1 76.7#



#50

Toluene-d8

Concen: 35.608 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF062641.D

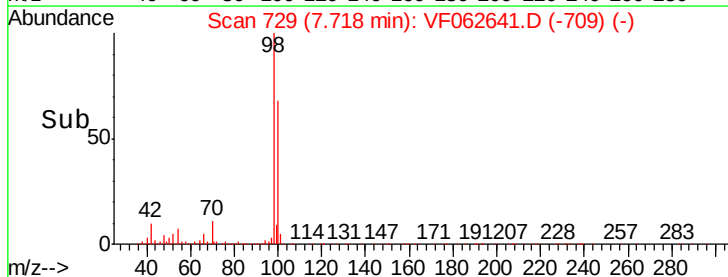
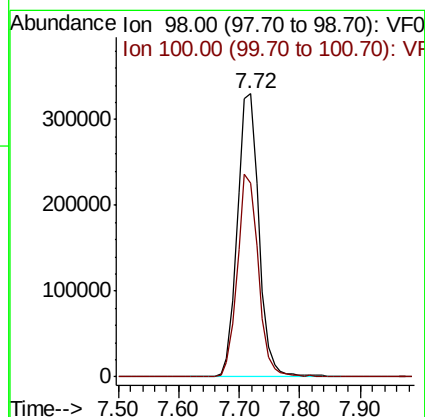
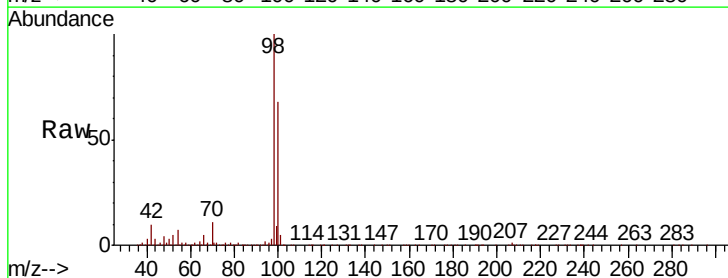
Acq: 17 May 2019 16:31

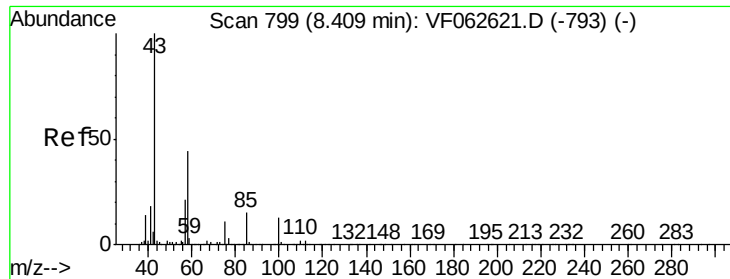
Tgt Ion: 98 Resp: 819143

Ion Ratio Lower Upper

98 100

100 68.4 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.392 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062641.D

Acq: 17 May 2019 16:31

Instrument :

MSVOA_F

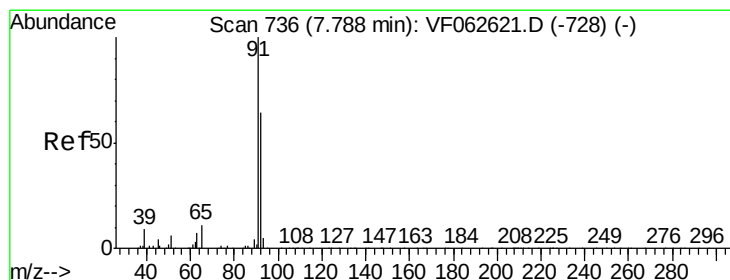
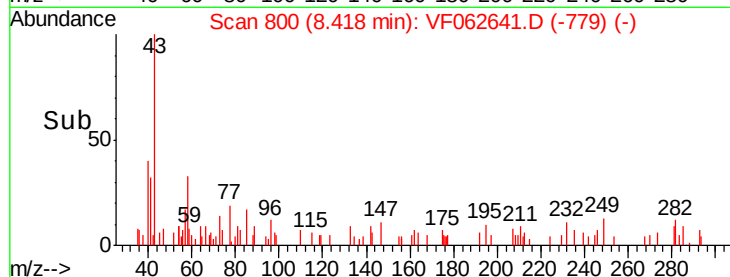
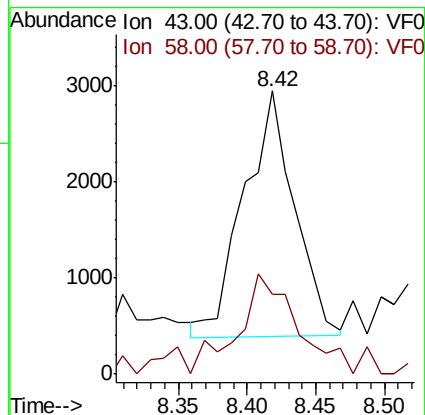
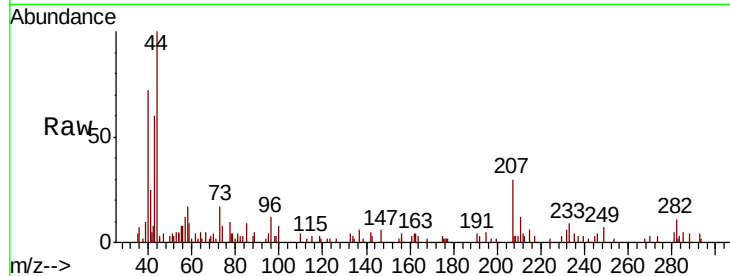
ClientSampleId :

Tot Ion: 43 Resp: 6493

Ion Ratio Lower Upper

43 100

58 28.3 34.9 52.3#



#52

Toluene

Concen: 2.407 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062641.D

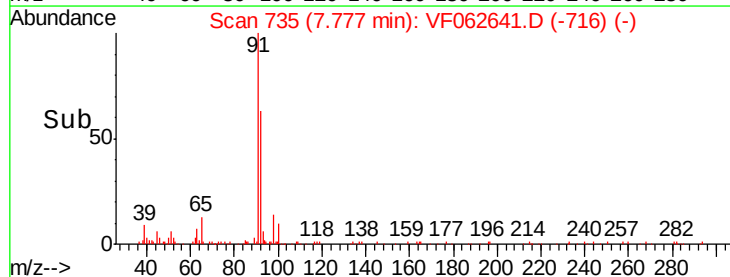
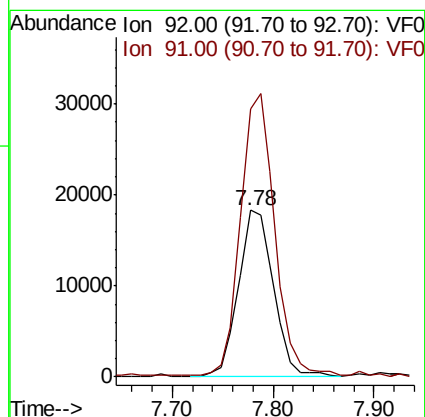
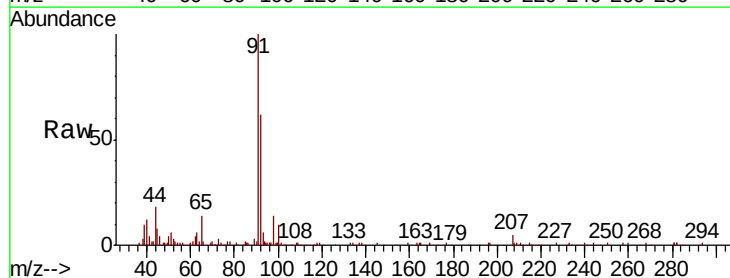
Acq: 17 May 2019 16:31

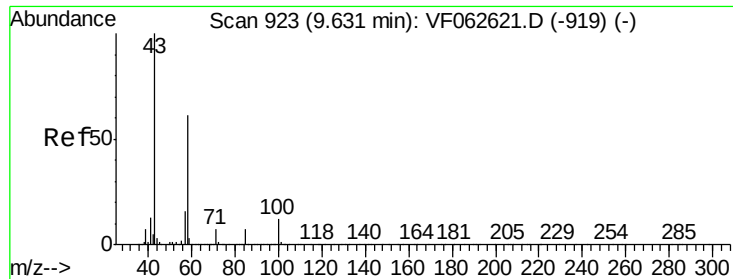
Tgt Ion: 92 Resp: 44376

Ion Ratio Lower Upper

92 100

91 160.4 125.4 188.0

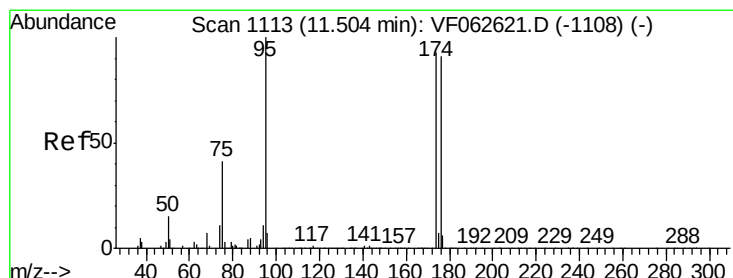
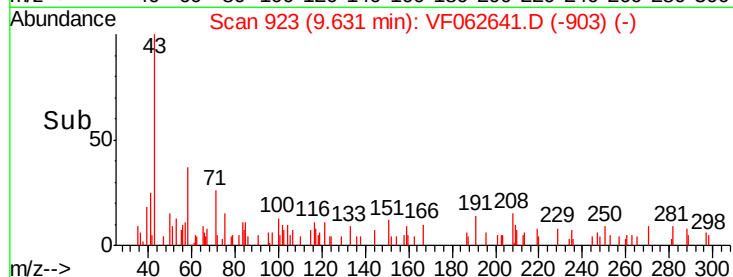
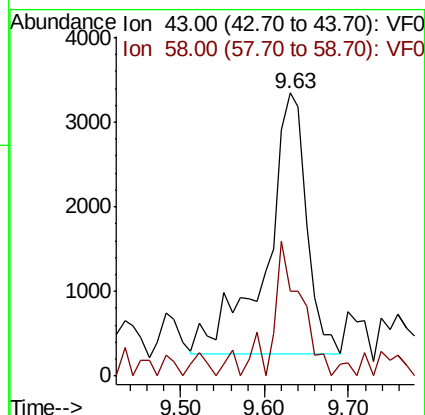
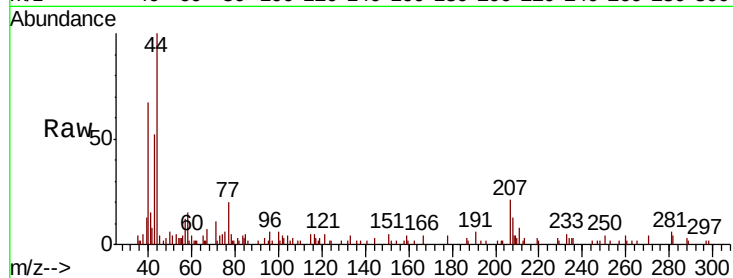




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

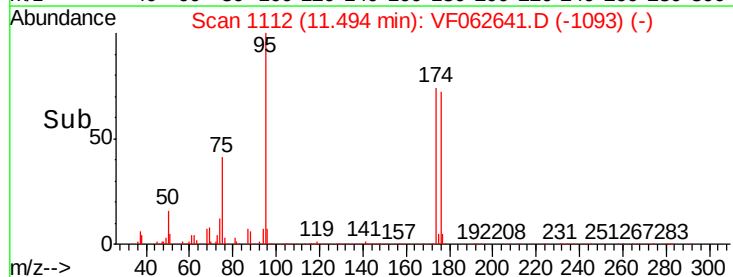
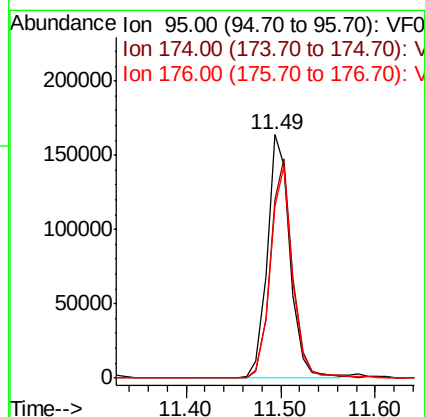
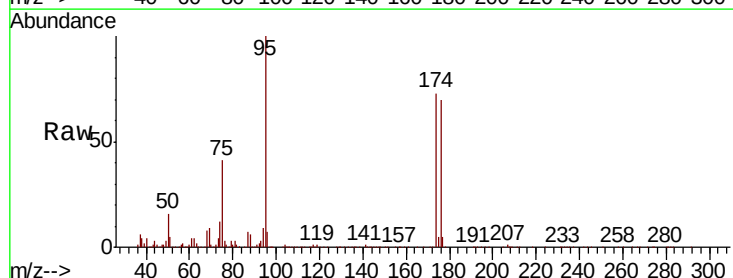
Instrument :
MSVOA_F
ClientSampleId :

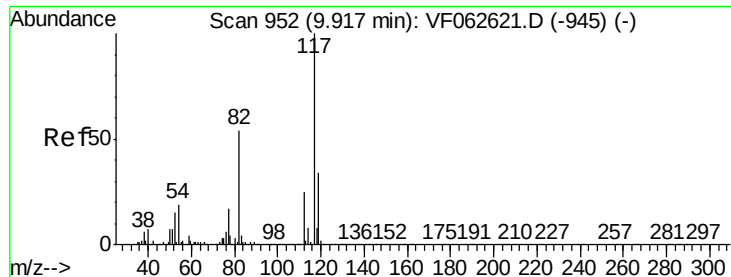
Tot Ion: 43 Resp: 10299
Ion Ratio Lower Upper
43 100
58 30.0 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 31.743 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

Tgt Ion: 95 Resp: 276955
Ion Ratio Lower Upper
95 100
174 73.1 0.0 185.6
176 70.5 0.0 182.4

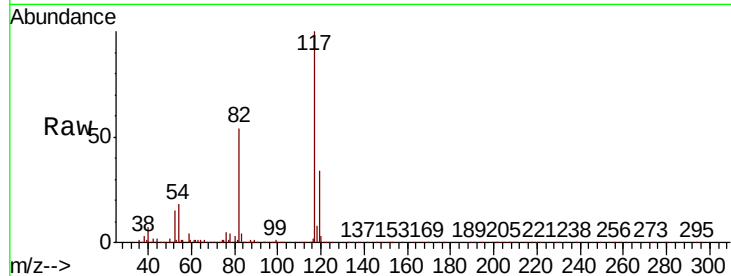




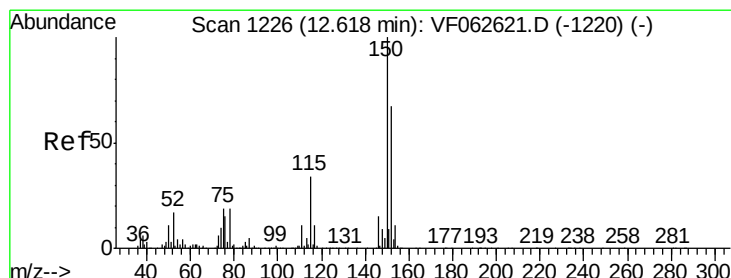
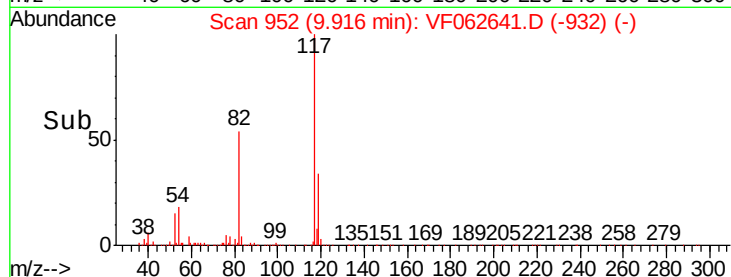
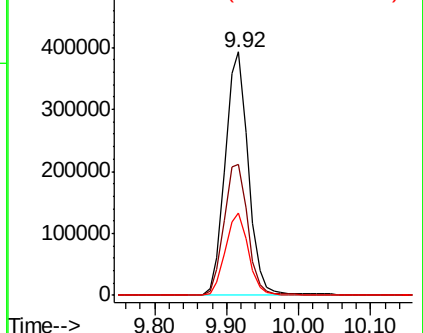
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.3	64.9
119	34.0	27.4	41.0

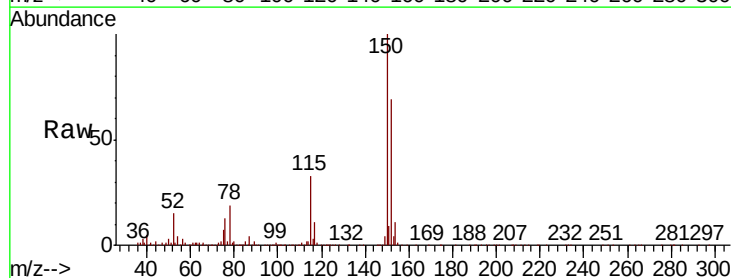


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

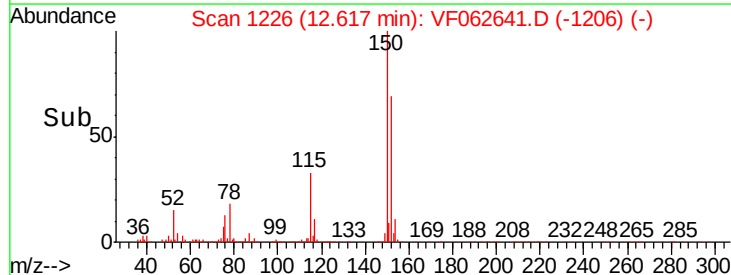
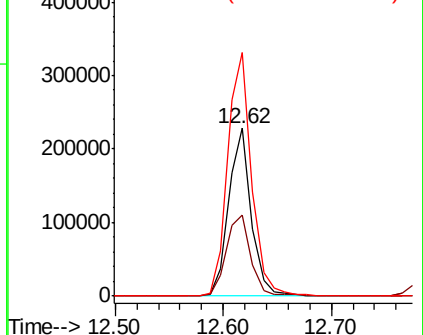


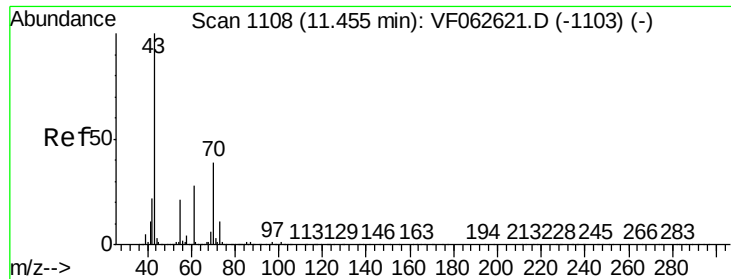
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.0	25.2	75.6
150	144.9	0.0	306.2



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

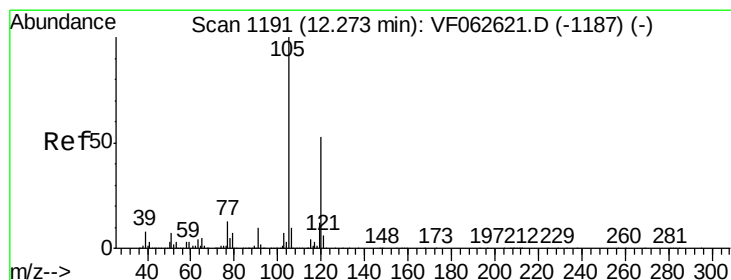
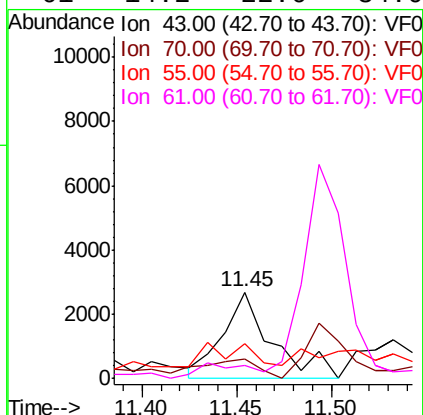
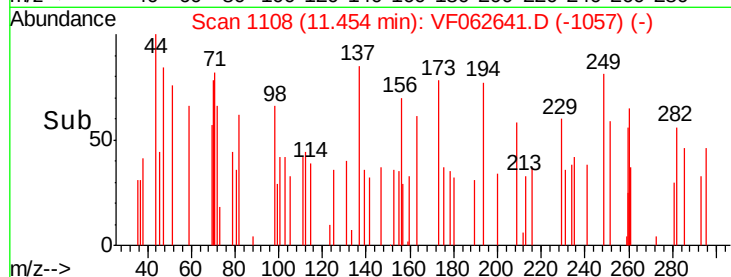
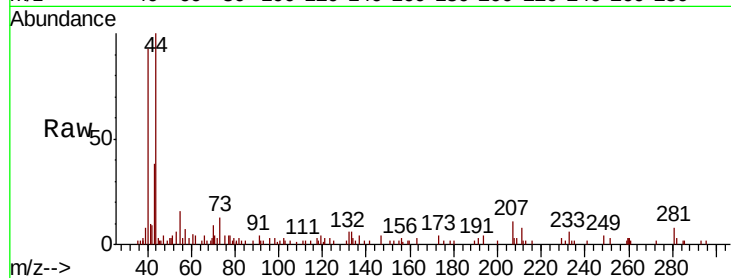




#74
N-amvl acetate
Concen: Below Cal
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

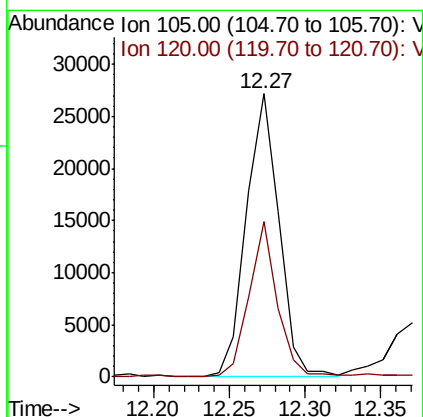
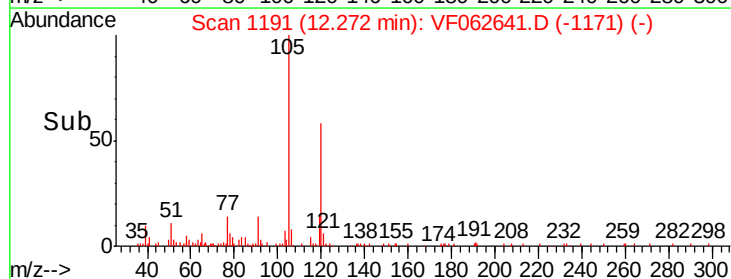
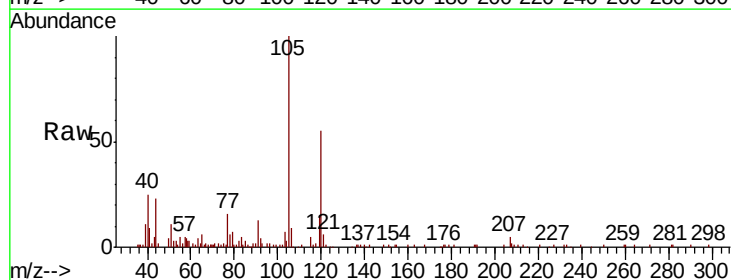
Instrument :
MSVOA_F
ClientSampleId :

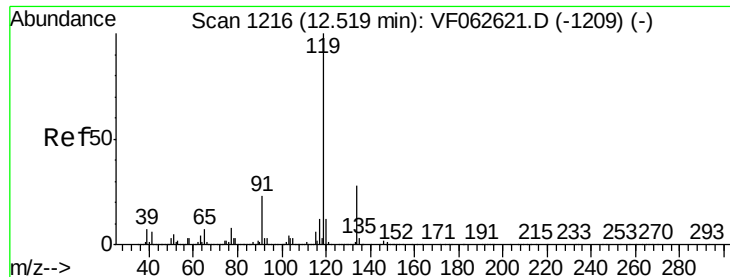
Tot Ion: 43 Resp: 4802
Ion Ratio Lower Upper
43 100
70 22.5 30.9 46.3#
55 40.8 17.0 25.4#
61 14.2 22.6 34.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.211 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062641.D
Acq: 17 May 2019 16:31

Tgt Ion:105 Resp: 41038
Ion Ratio Lower Upper
105 100
120 55.1 26.7 80.1

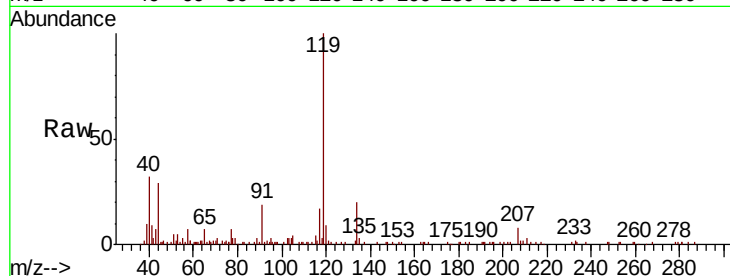




#86
 p-Isopropyltoluene
 Concen: 1.602 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF062641.D
 Acq: 17 May 2019 16:31

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	20.4	14.1	42.3
91	18.8	11.4	34.2

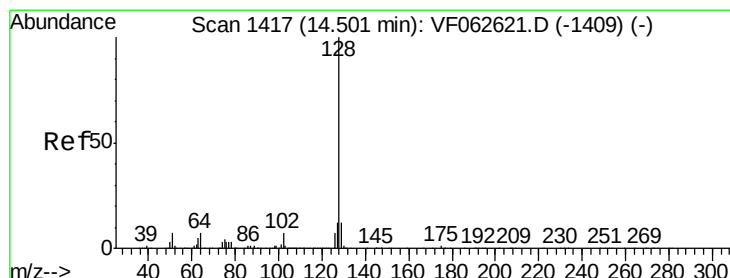
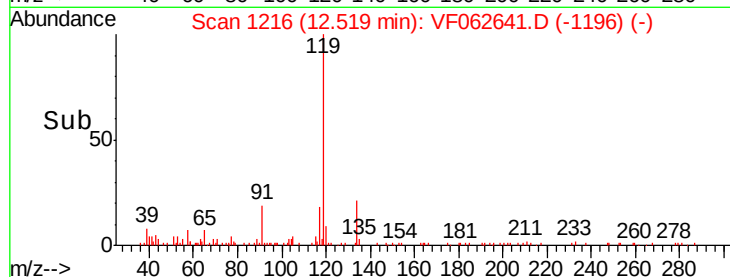
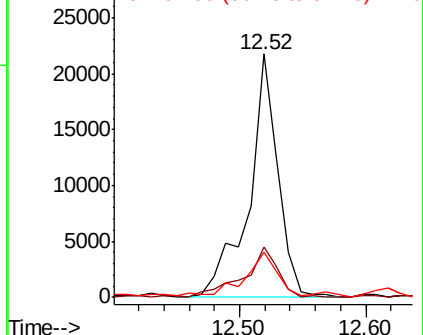


Abundance

Ion 119.00 (118.70 to 119.70): V

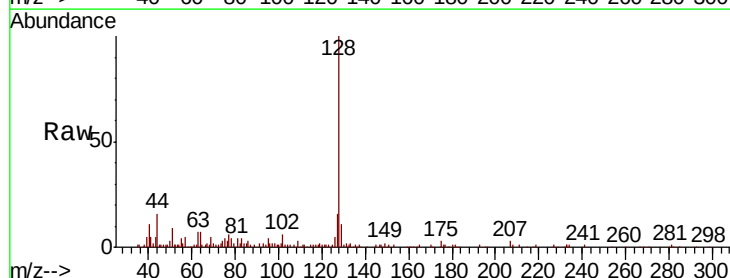
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95
 Naphthalene
 Concen: 4.495 ug/l
 RT: 14.50 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VF062641.D
 Acq: 17 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.1	9.7	14.5#
129	11.3	9.3	13.9



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

