

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062271.D
 Acq On : 23 Apr 2019 18:47
 Operator : FY/SY
 Sample : K2515-06
 Misc : 4.50µ/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 24 06:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

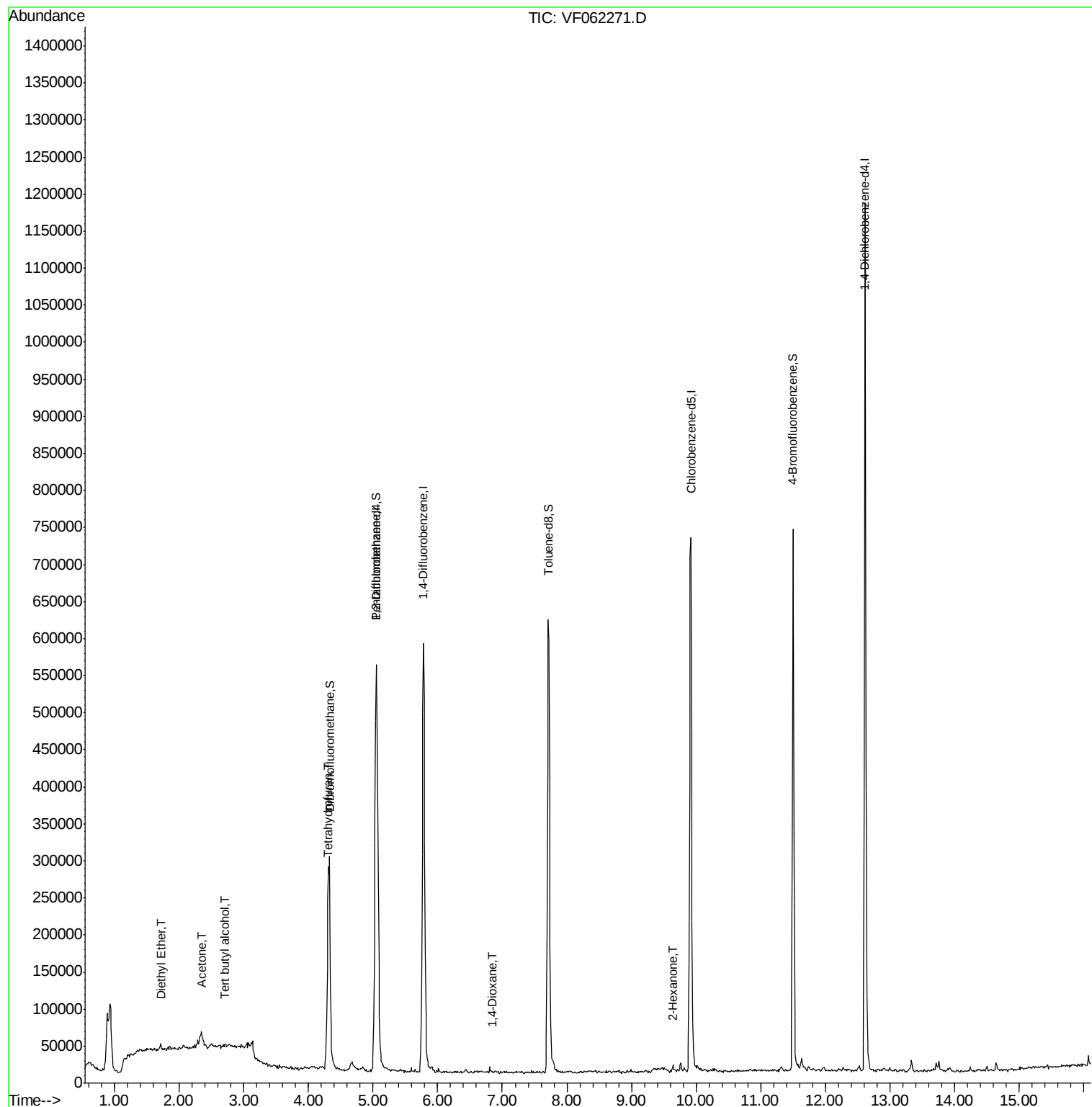
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	502152	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	700997	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	570413	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	350326	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	189841	41.23	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.46%	
35) Dibromofluoromethane	4.33	113	274828	44.82	ug/l	0.03
Spiked Amount 50.000			Recovery	=	89.64%	
50) Toluene-d8	7.71	98	558187	35.96	ug/l	0.01
Spiked Amount 50.000			Recovery	=	71.92%	
62) 4-Bromofluorobenzene	11.50	95	267408	44.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.72	74	1969	1.099	ug/l	58
11) Tert butyl alcohol	2.69	59	980	3.062	ug/l #	1
13) Acrolein	2.09	56	226	Below Cal	#	14
16) Acetone	2.35	43	7940	7.214	ug/l #	80
18) Methyl Acetate	2.50	43	3518	Below Cal	#	81
20) Methylene Chloride	2.34	84	16760	Below Cal		94
29) Tetrahydrofuran	4.29	42	1577	1.583	ug/l #	72
49) 1,4-Dioxane	6.85	88	69	2.195	ug/l #	21
59) 2-Hexanone	9.63	43	4707	2.569	ug/l	73
74) N-amyl acetate	11.44	43	993	Below Cal	#	62
89) n-Butylbenzene	12.90	91	2627	Below Cal		85

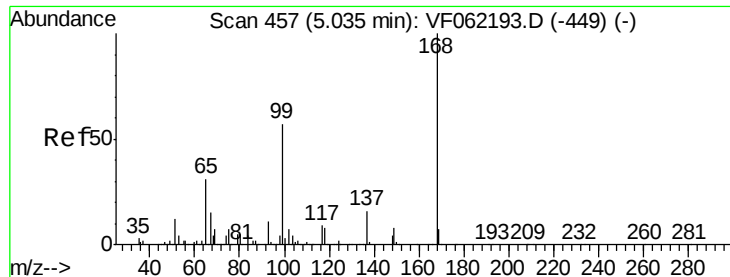
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062271.D

Acq: 23 Apr 2019 18:47

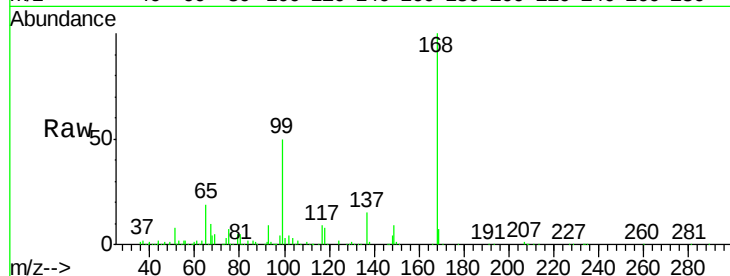
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 502152

Ion Ratio Lower Upper

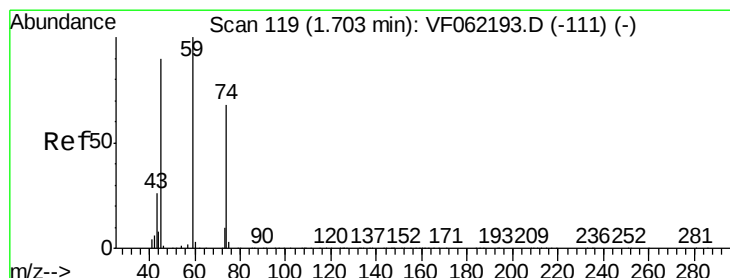
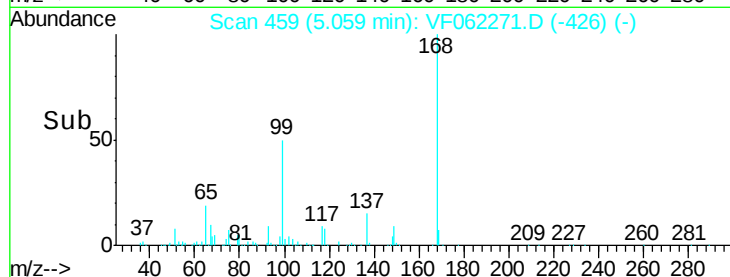
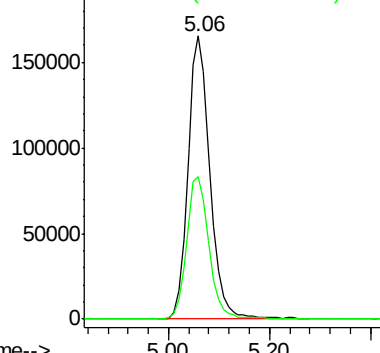
168 100

99 50.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#8

Diethyl Ether

Concen: 1.099 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062271.D

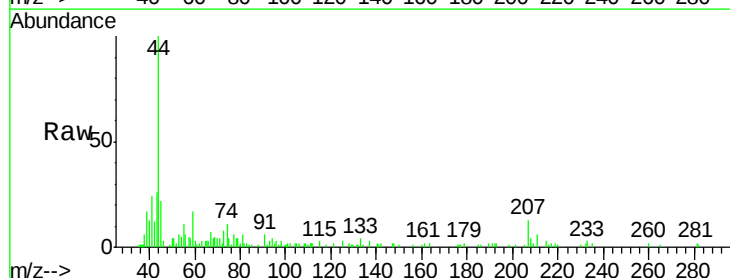
Acq: 23 Apr 2019 18:47

Tgt Ion: 74 Resp: 1969

Ion Ratio Lower Upper

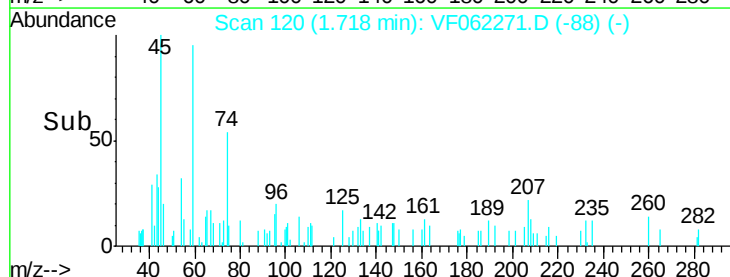
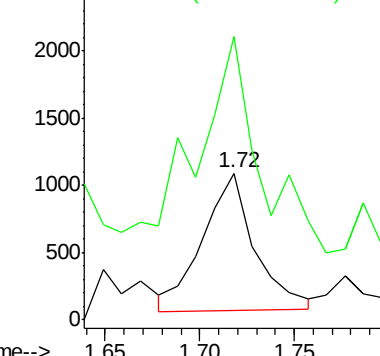
74 100

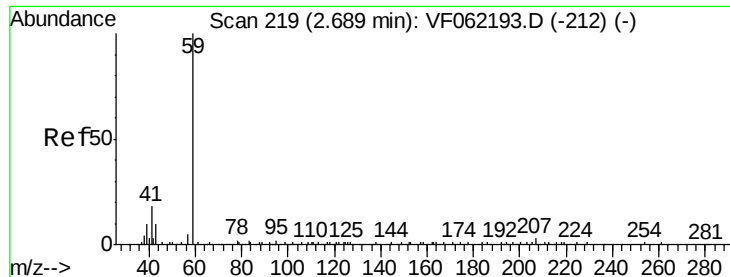
45 190.7 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



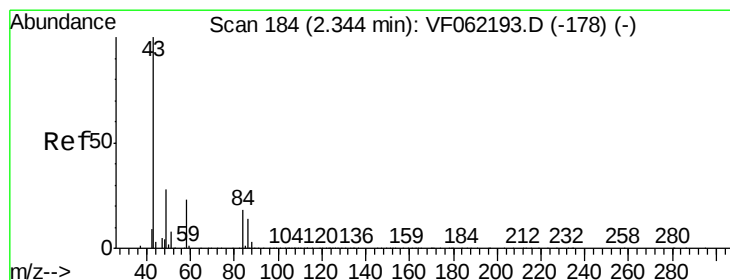
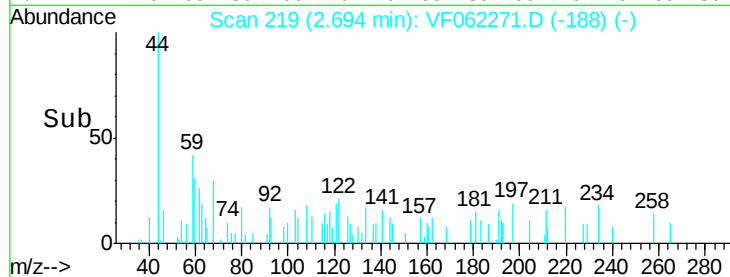
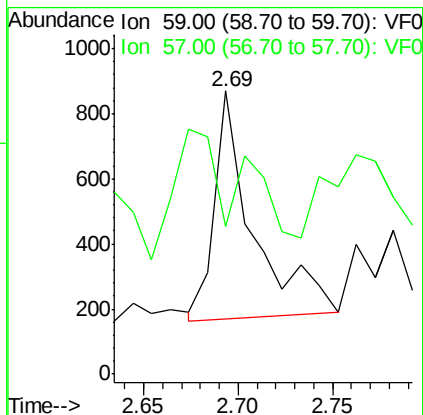
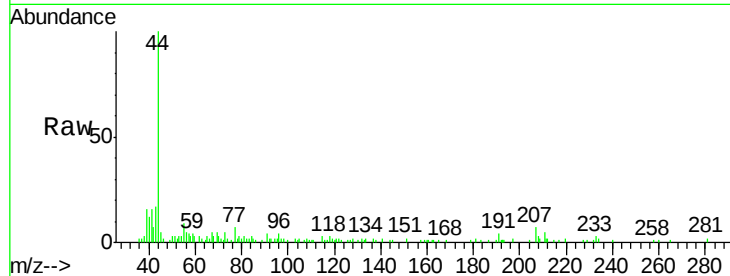


#11

Tert butyl alcohol
Concen: 3.062 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

Instrument :
MSVOA_F
ClientSampled :

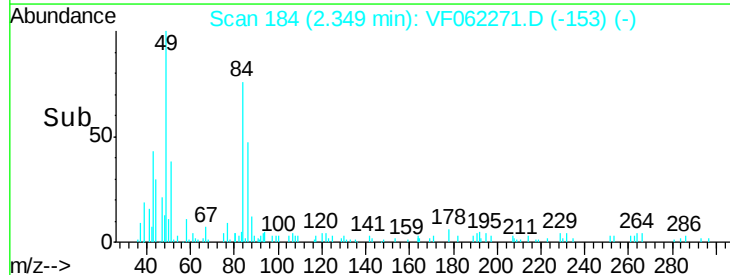
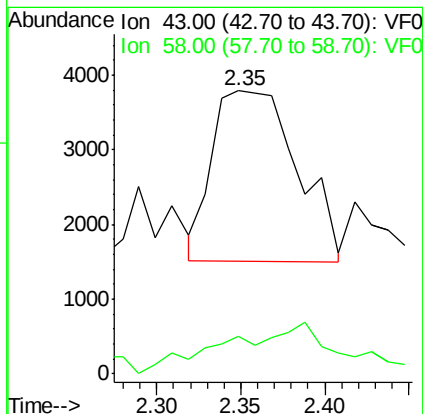
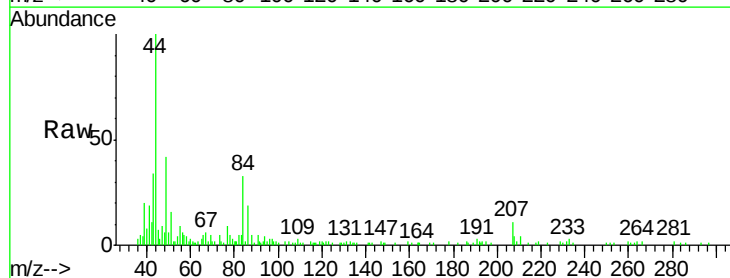
Tot Ion: 59 Resp: 980
Ion Ratio Lower Upper
59 100
57 64.9 9.3 13.9#

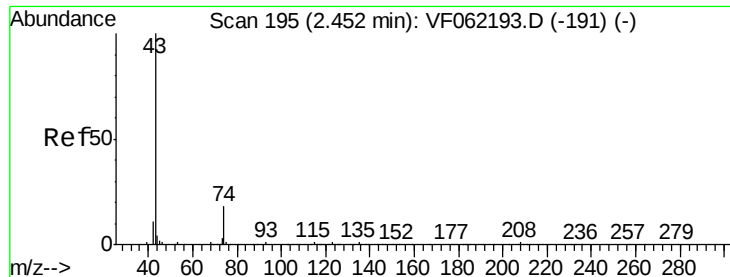


#16

Acetone
Concen: 7.214 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

Tgt Ion: 43 Resp: 7940
Ion Ratio Lower Upper
43 100
58 13.7 18.8 28.2#

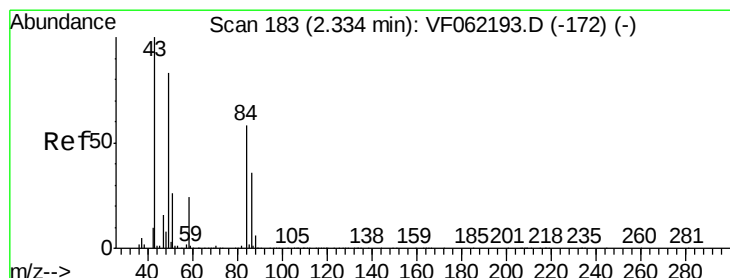
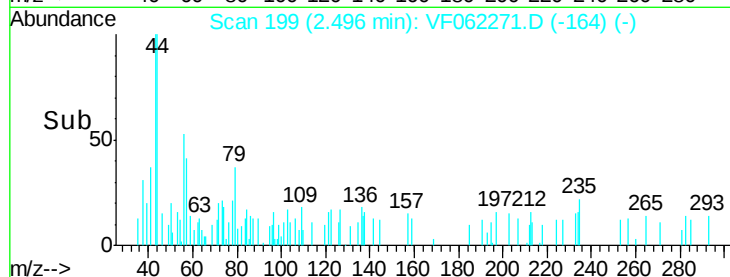
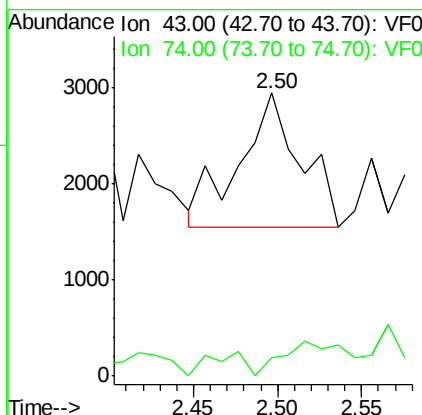
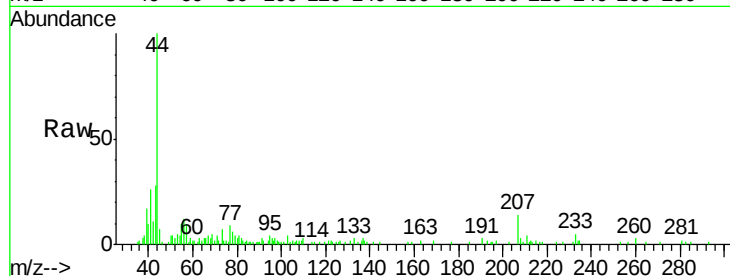




#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 199
Delta R.T. 0.05 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

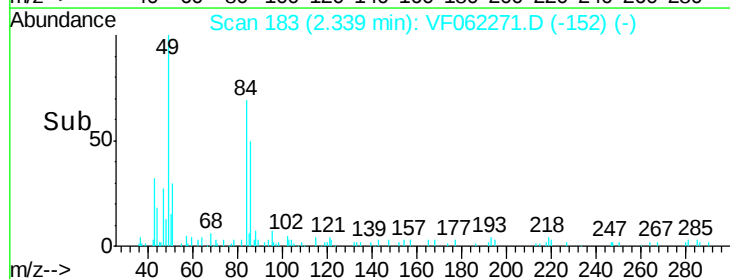
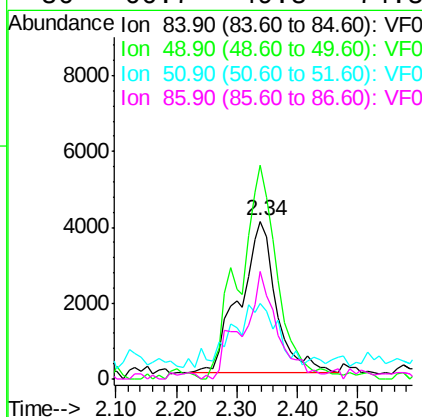
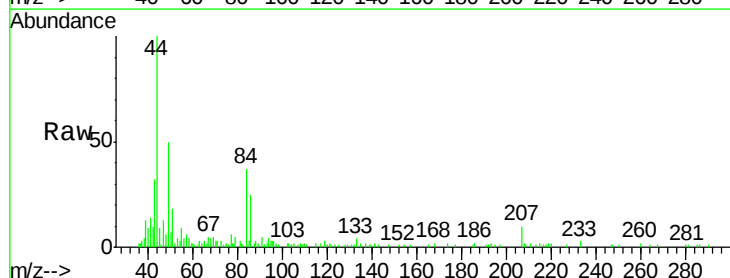
Instrument :
MSVOA_F
ClientSampleId :

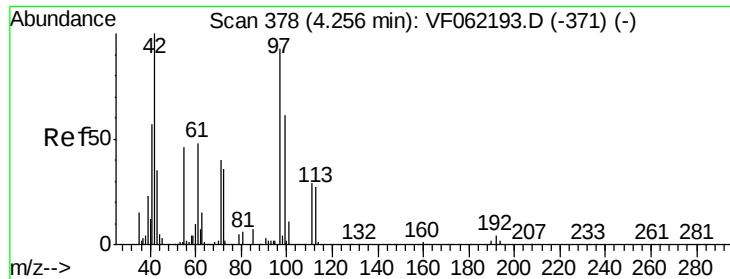
Tot Ion: 43 Resp: 3518
Ion Ratio Lower Upper
43 100
74 26.4 14.5 21.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

Tgt Ion: 84 Resp: 16760
Ion Ratio Lower Upper
84 100
49 137.6 114.0 171.0
51 37.0 37.0 55.4
86 66.7 49.8 74.8

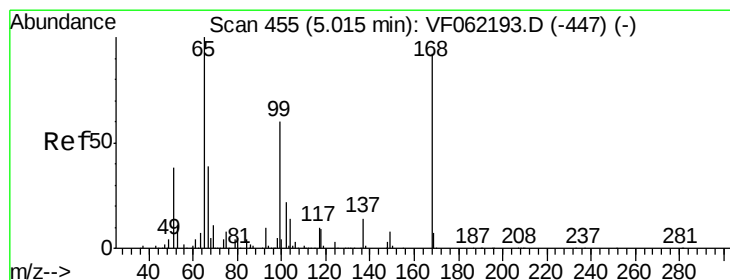
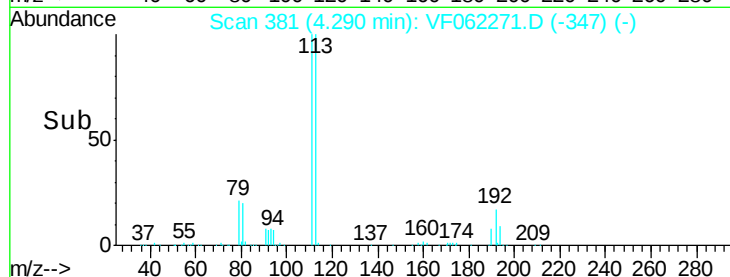
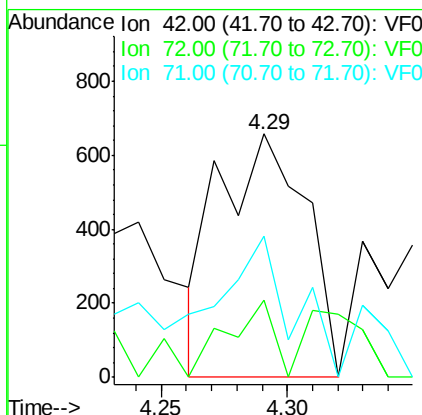
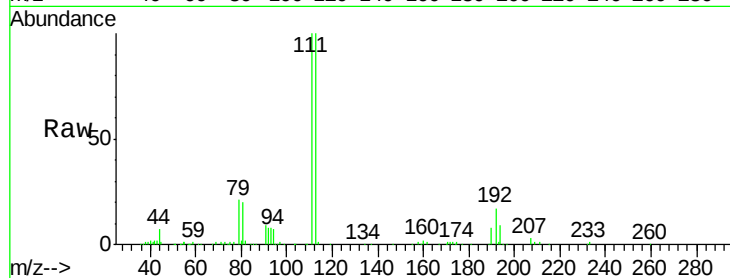




#29
Tetrahydrofuran
Concen: 1.583 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

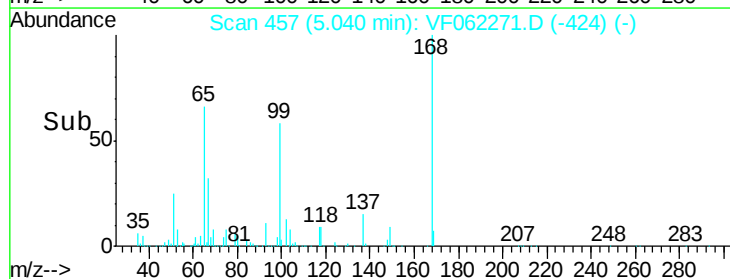
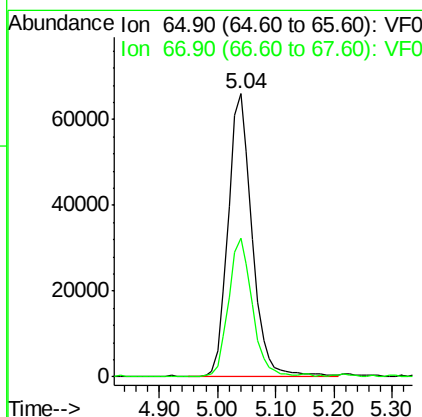
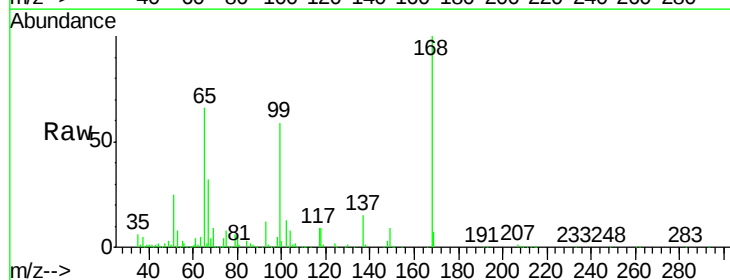
Instrument :
MSVOA_F
ClientSampled :

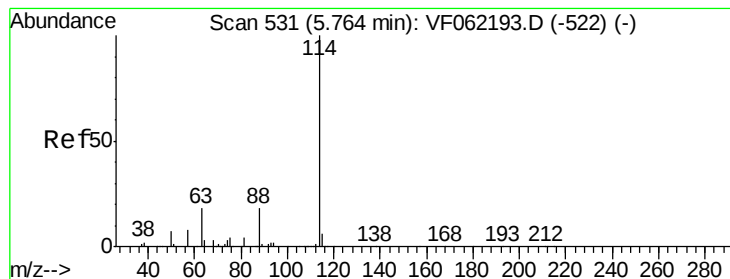
Tot Ion: 42 Resp: 1577
Ion Ratio Lower Upper
42 100
72 16.9 28.6 43.0#
71 50.6 29.2 43.8#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.02 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

Tgt Ion: 65 Resp: 189841
Ion Ratio Lower Upper
65 100
67 48.8 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062271.D

Acq: 23 Apr 2019 18:47

Instrument :

MSVOA_F

ClientSampleId :

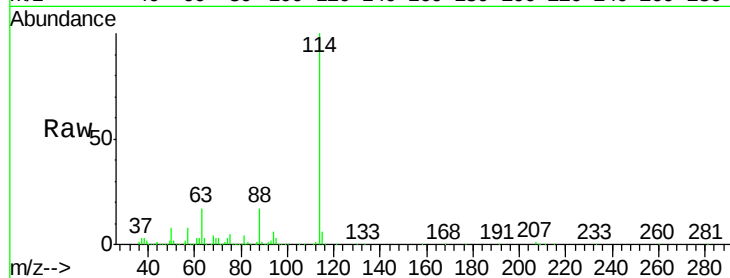
Tot Ion:114 Resp: 700997

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

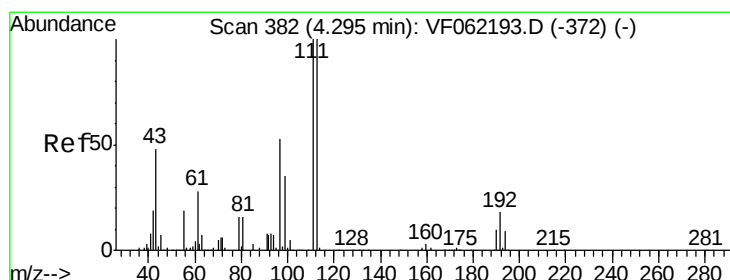
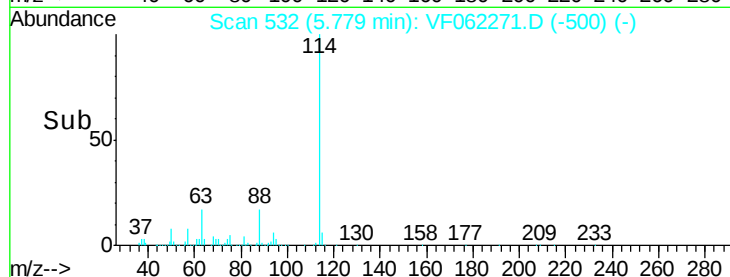
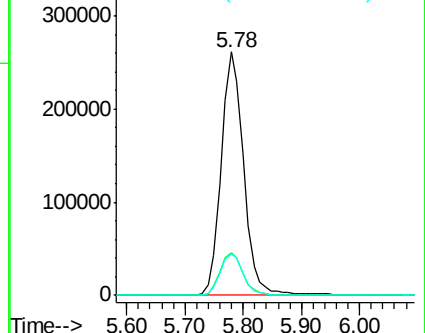
88 17.2 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062271.D

Acq: 23 Apr 2019 18:47

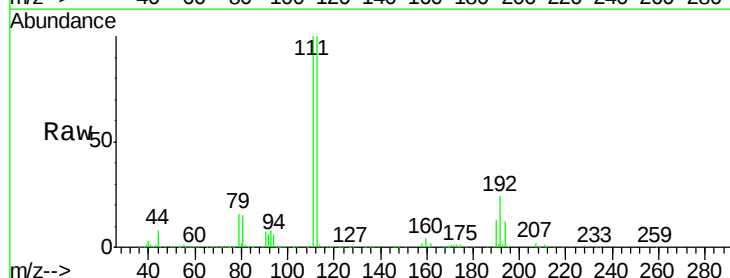
Tgt Ion:113 Resp: 274828

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

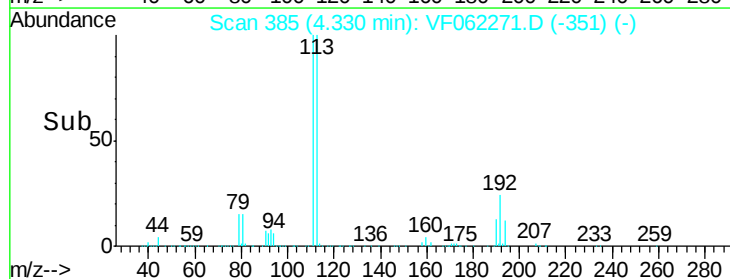
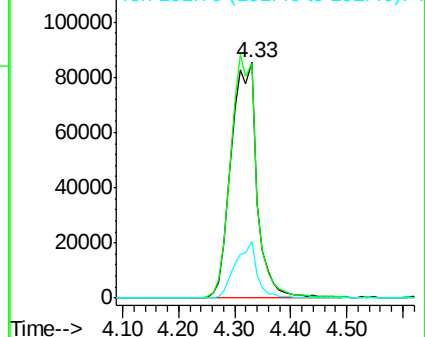
192 20.4 14.7 22.1

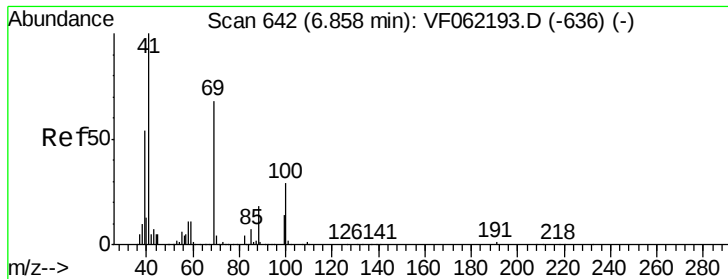


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: 2.195 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

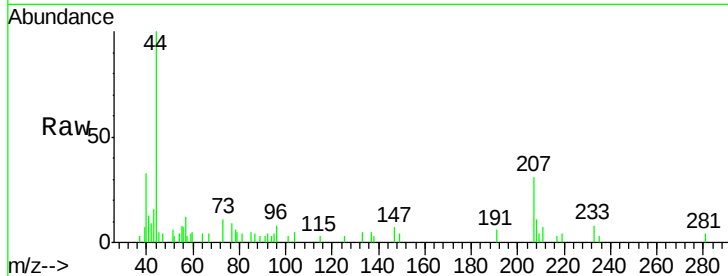
Lab File: VF062271.D

Acq: 23 Apr 2019 18:47

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 69

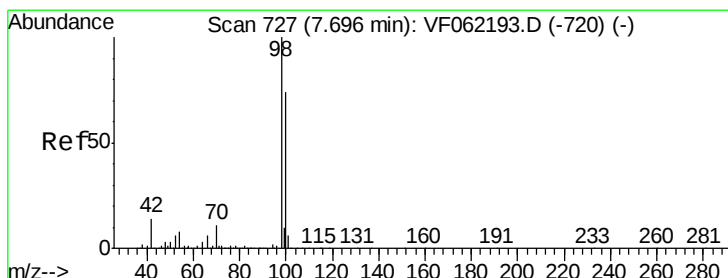
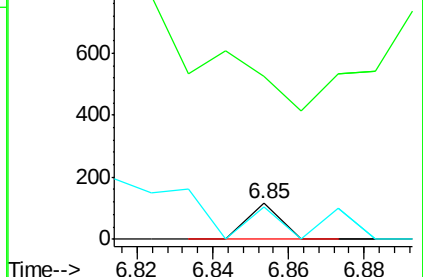
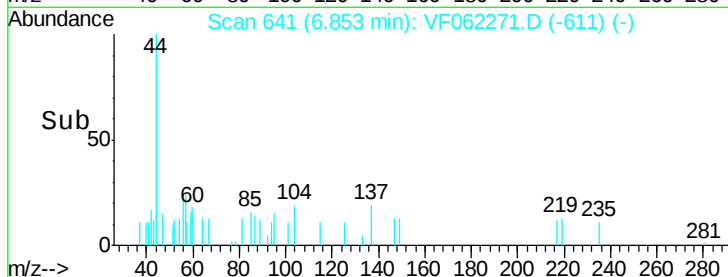
Ion	Ratio	Lower	Upper
88	100		
43	0.0	36.9	55.3#
58	0.0	56.8	85.2#



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: 2.195 ug/l

RT: 7.71 min Scan# 728

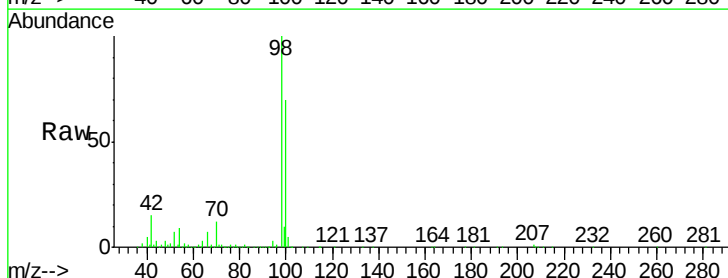
Delta R.T. 0.01 min

Lab File: VF062271.D

Acq: 23 Apr 2019 18:47

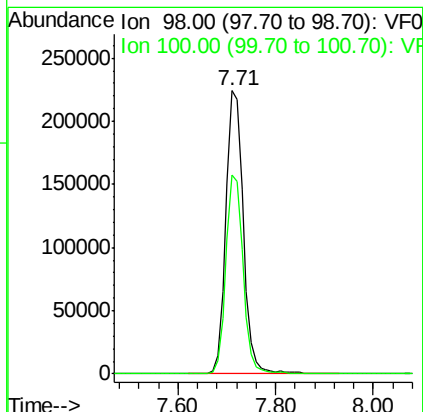
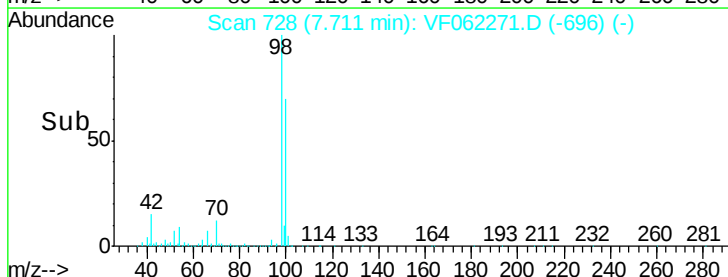
Tgt Ion: 98 Resp: 558187

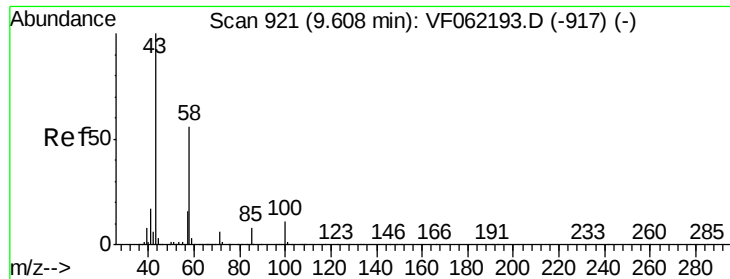
Ion	Ratio	Lower	Upper
98	100		
100	69.1	56.2	84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

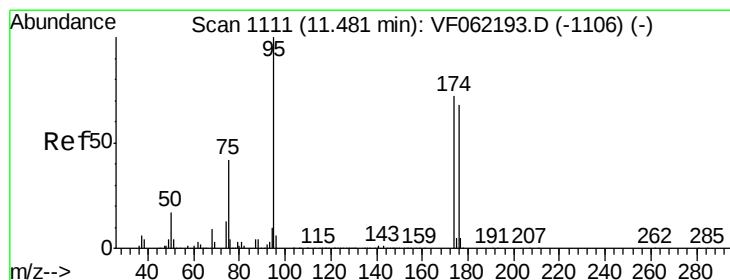
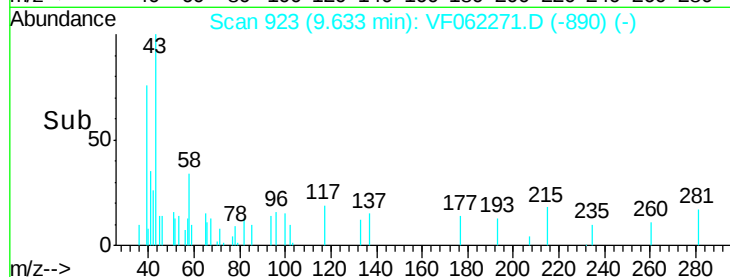
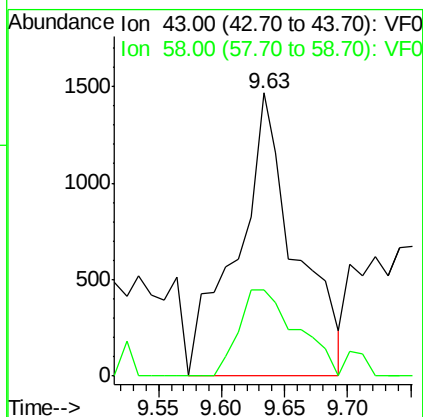
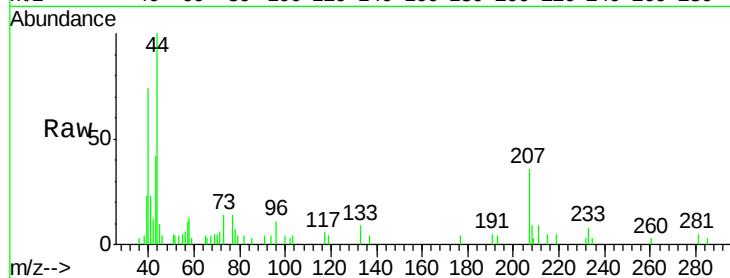




#59
2-Hexanone
Concen: 2.569 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.03 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

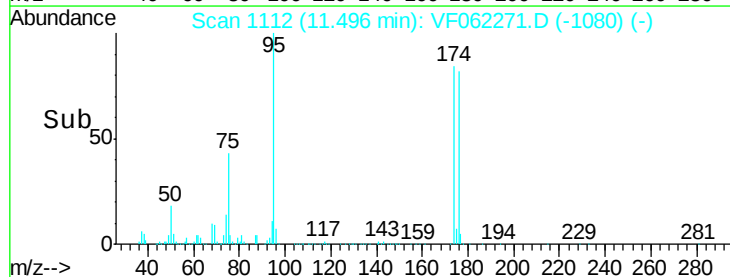
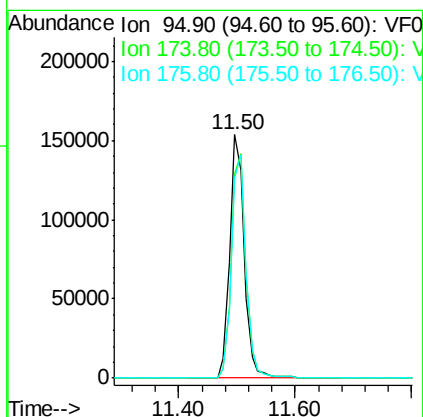
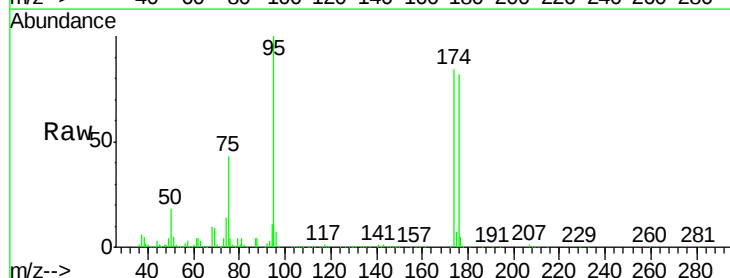
Instrument :
MSVOA_F
ClientSampleId :

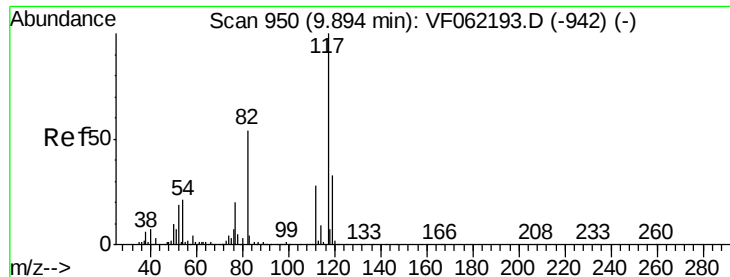
Tot Ion: 43 Resp: 4707
Ion Ratio Lower Upper
43 100
58 30.6 24.6 74.0



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

Tgt Ion: 95 Resp: 267408
Ion Ratio Lower Upper
95 100
174 92.9 0.0 159.4
176 91.8 0.0 155.4

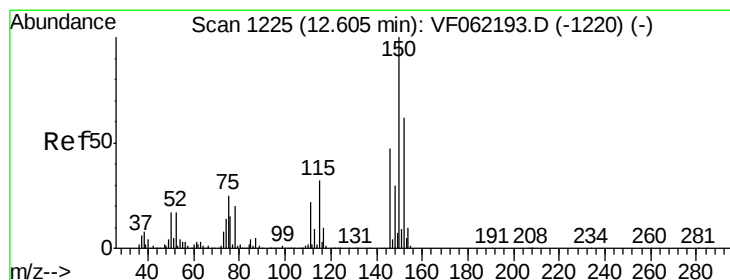
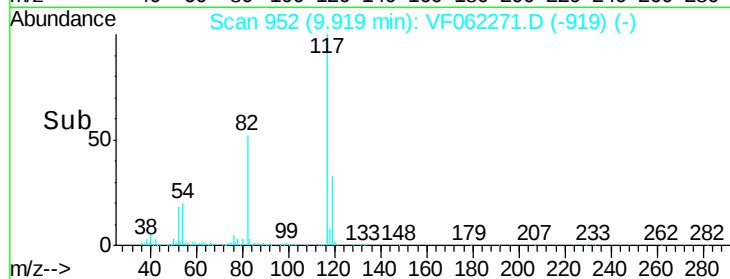
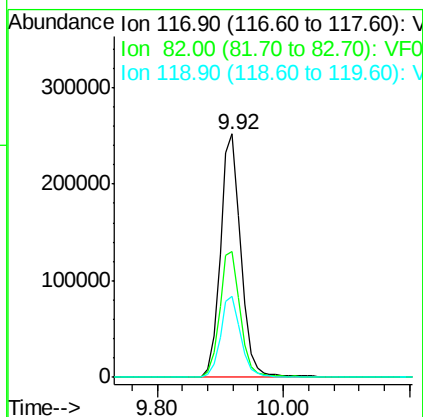
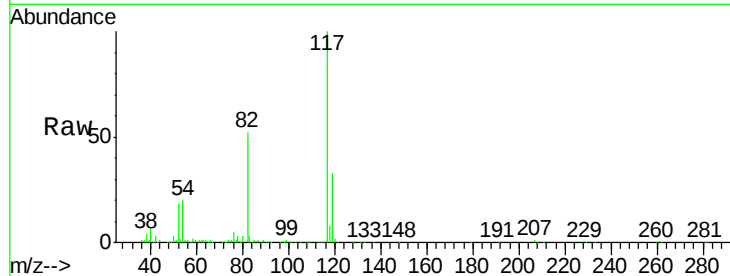




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

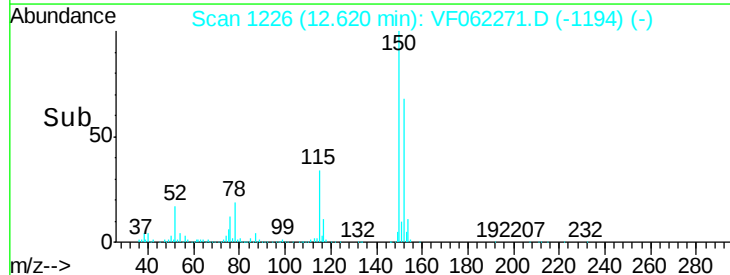
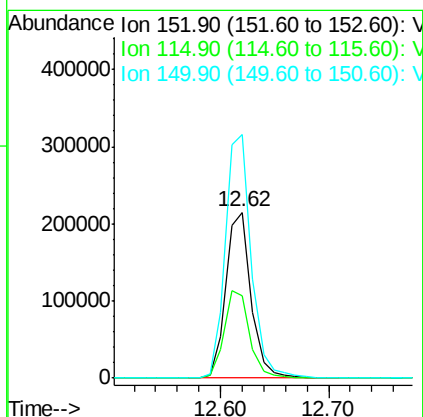
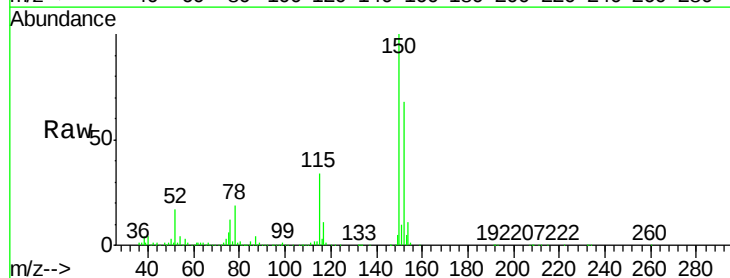
Instrument :
MSVOA_F
ClientSampleId :

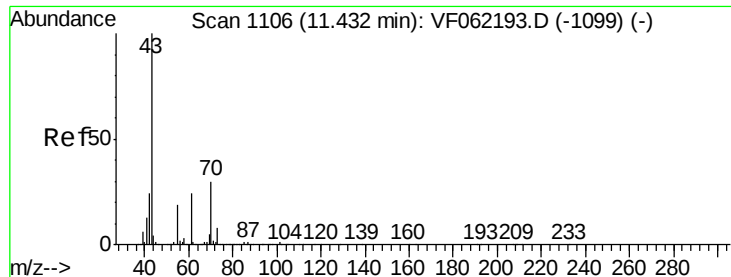
Tot Ion:117 Resp: 570413
Ion Ratio Lower Upper
117 100
82 51.9 43.2 64.8
119 33.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062271.D
Acq: 23 Apr 2019 18:47

Tgt Ion:152 Resp: 350326
Ion Ratio Lower Upper
152 100
115 53.2 27.8 83.3
150 151.6 0.0 341.8





#74

N-amvl acetate

Concen: Below Cal

RT: 11.44 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VF062271.D

Acq: 23 Apr 2019 18:47

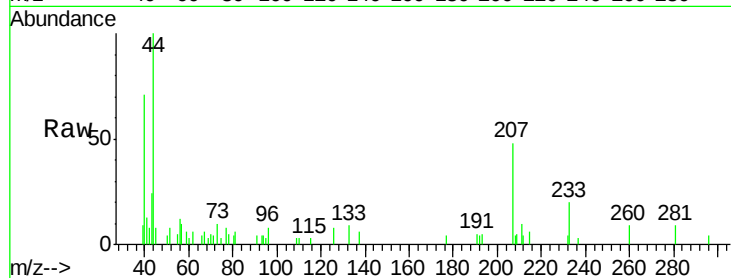
Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 993

Ion	Ratio	Lower	Upper
43	100		
70	48.1	27.0	40.4#
55	0.0	15.7	23.5#
61	0.0	20.8	31.2#

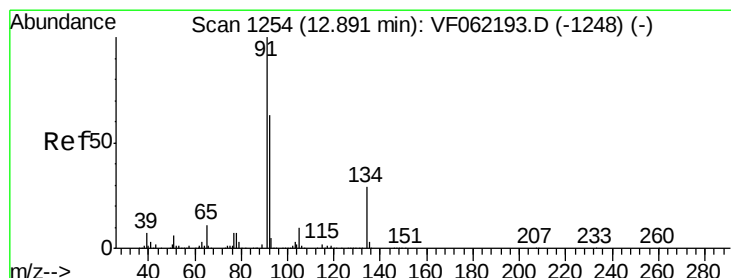
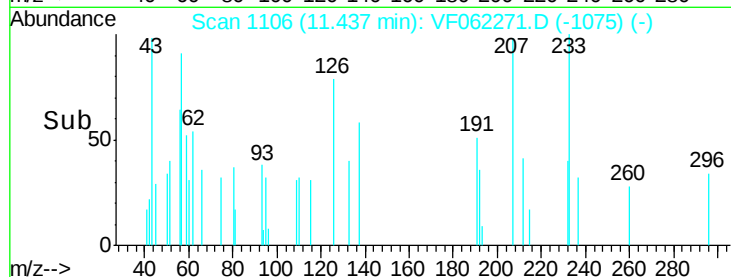
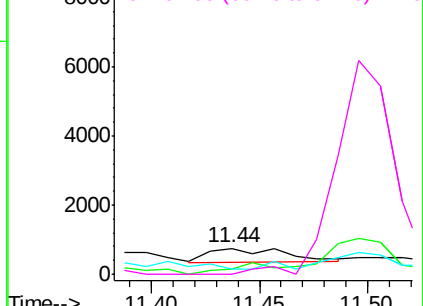


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1254

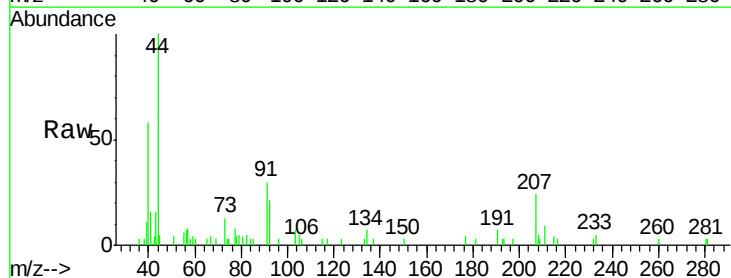
Delta R.T. 0.01 min

Lab File: VF062271.D

Acq: 23 Apr 2019 18:47

Tgt Ion: 91 Resp: 2627

Ion	Ratio	Lower	Upper
91	100		
92	49.3	31.2	93.6
134	30.6	13.1	39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

