

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062740.D
 Acq On : 24 May 2019 11:49
 Operator : FY/SY
 Sample : VF0524SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBL01

Quant Time: May 24 23:01:47 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	738701	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1219972	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	918381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	405902	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	242399	46.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.88%	
35) Dibromofluoromethane	4.31	113	465186	49.83	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	99.66%	
50) Toluene-d8	7.72	98	1033688	46.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.76%	
62) 4-Bromofluorobenzene	11.50	95	390057	46.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.28%	

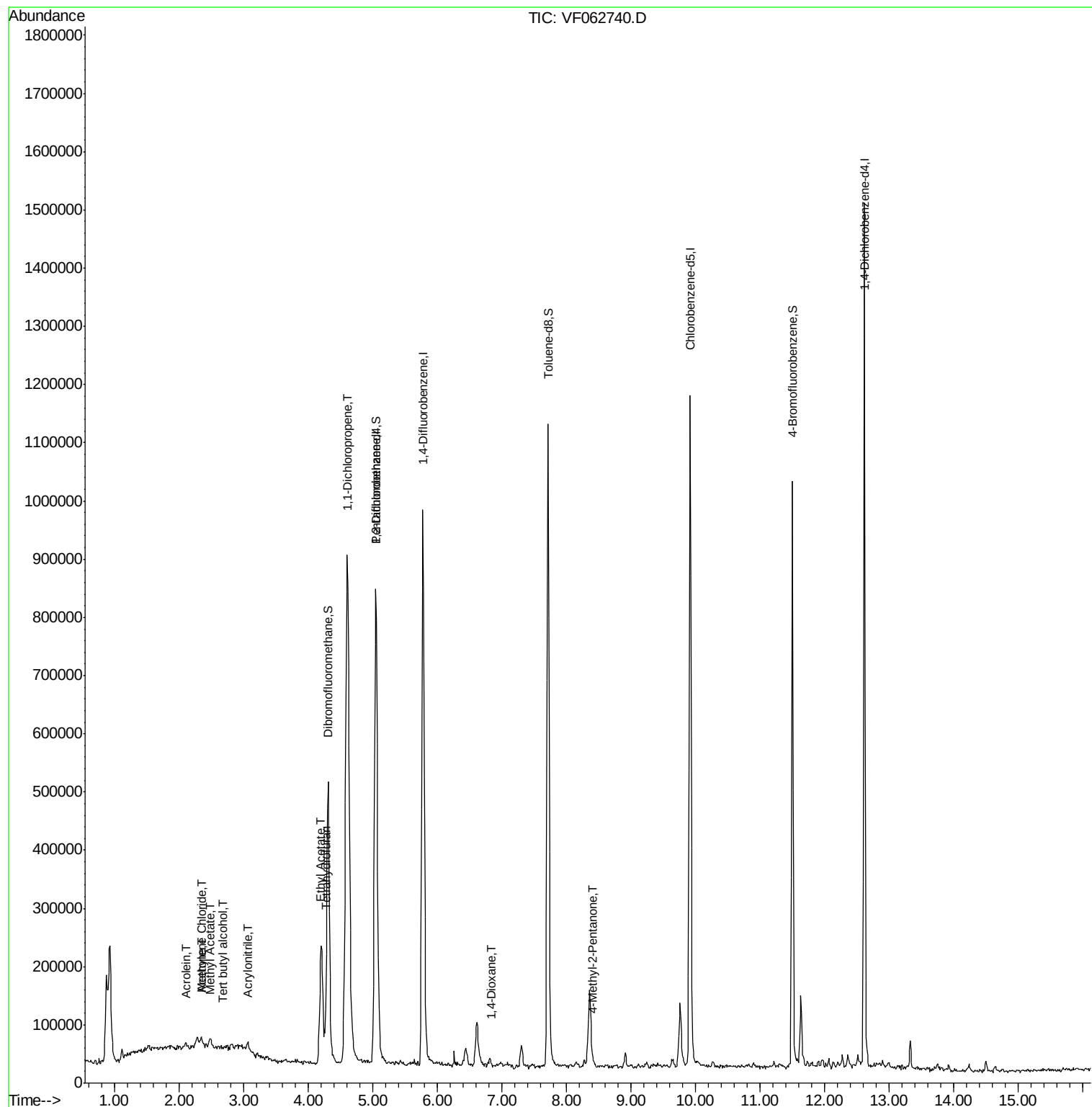
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	783	2.272	ug/l #	1
13) Acrolein	2.10	56	779	2.165	ug/l	84
15) Acrylonitrile	3.08	53	2229	2.293	ug/l #	56
16) Acetone	2.34	43	7270	5.368	ug/l	94
18) Methyl Acetate	2.48	43	6288	2.955	ug/l #	81
20) Methylene Chloride	2.34	84	8616	1.269	ug/l #	78
29) Tetrahydrofuran	4.27	42	2527	2.158	ug/l #	30
36) 1,1-Dichloropropene	4.60	75	28693	2.295	ug/l #	48
37) Ethyl Acetate	4.20	43	15851	3.106	ug/l	87
49) 1,4-Dioxane	6.85	88	288	6.506	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	11170	2.471	ug/l	96
59) 2-Hexanone	9.63	43	8471	Below Cal		76
74) N-amyl acetate	11.45	43	4973	Below Cal	#	72

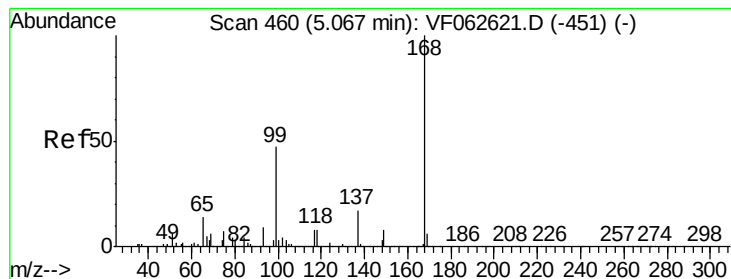
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062740.D

Acq: 24 May 2019 11:49

Instrument :

MSVOA_F

ClientSampleId :

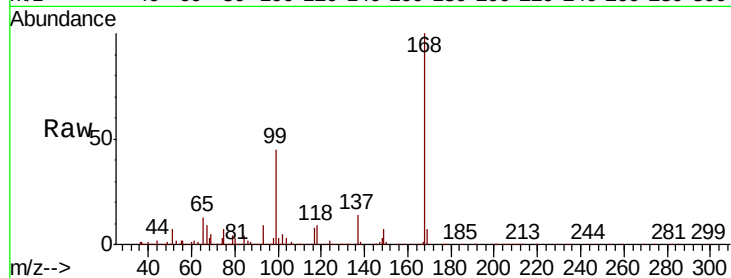
VF0524SBL01

Tot Ion:168 Resp: 738701

Ion Ratio Lower Upper

168 100

99 44.7 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

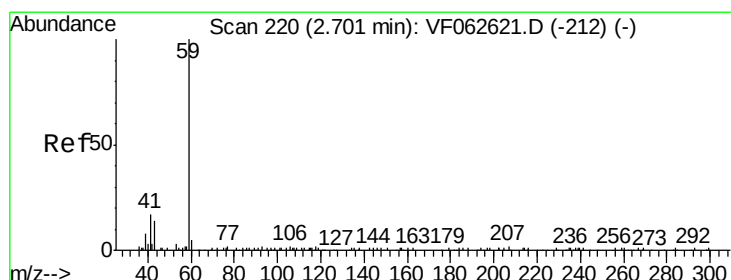
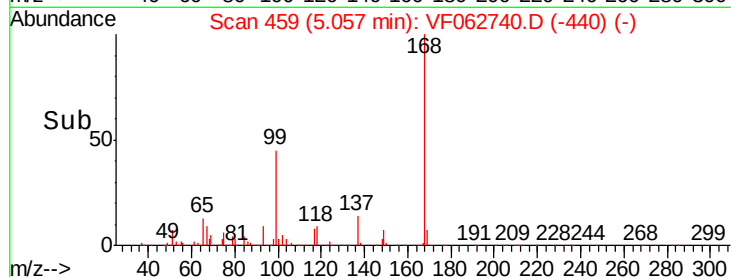
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.272 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.03 min

Lab File: VF062740.D

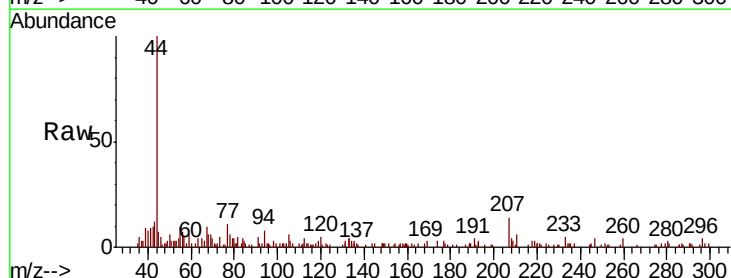
Acq: 24 May 2019 11:49

Tgt Ion: 59 Resp: 783

Ion Ratio Lower Upper

59 100

57 83.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.67

800

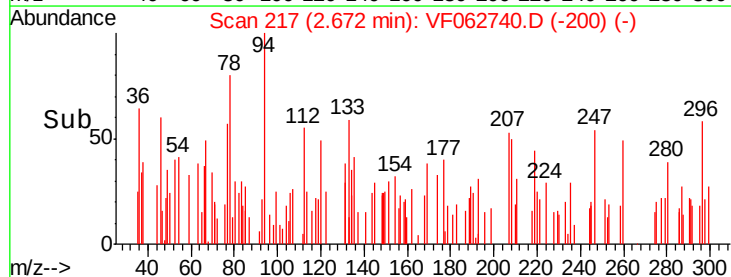
600

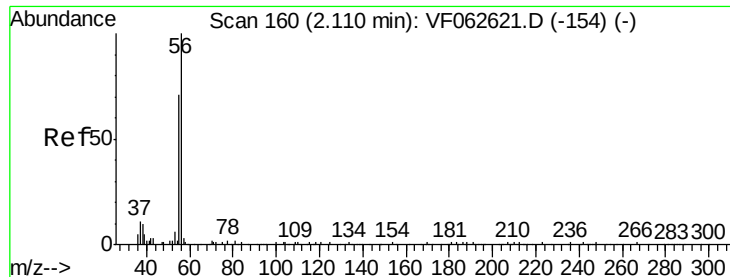
400

200

0

Time-->





#13

Acrolein

Concen: 2.165 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062740.D

Acq: 24 May 2019 11:49

Instrument :

MSVOA_F

ClientSampleId :

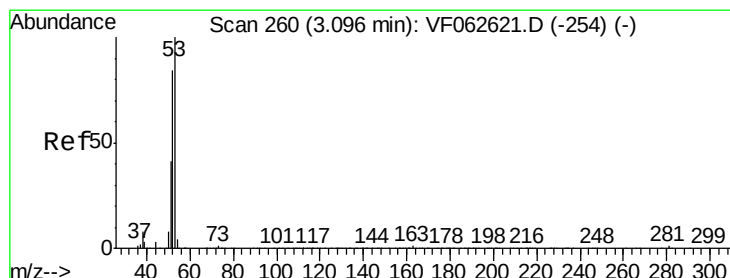
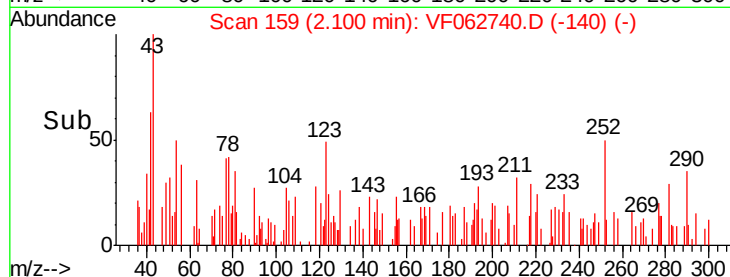
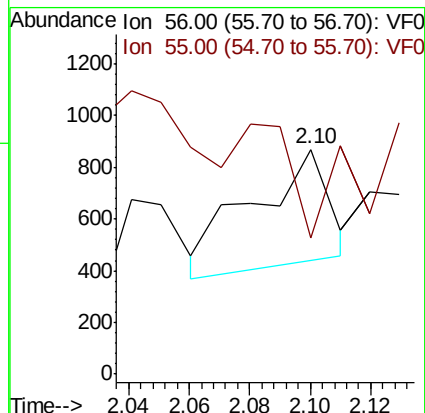
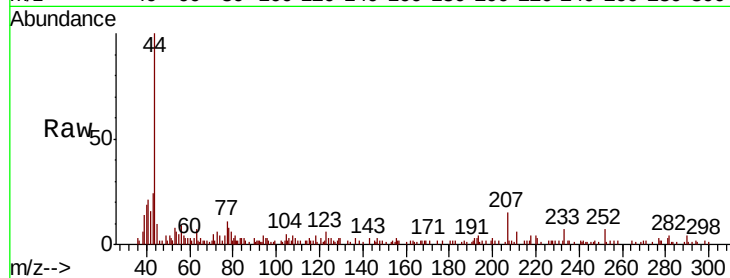
VF0524SBL01

Tot Ion: 56 Resp: 779

Ion Ratio Lower Upper

56 100

55 60.3 59.4 89.0



#15

Acrylonitrile

Concen: 2.293 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062740.D

Acq: 24 May 2019 11:49

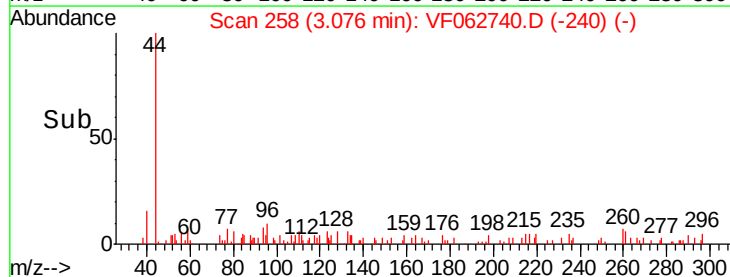
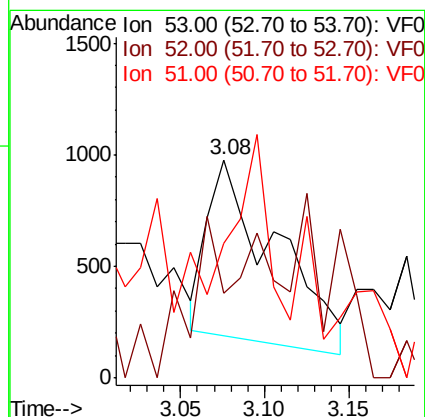
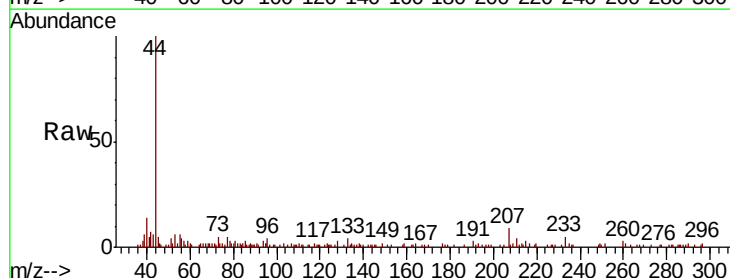
Tgt Ion: 53 Resp: 2229

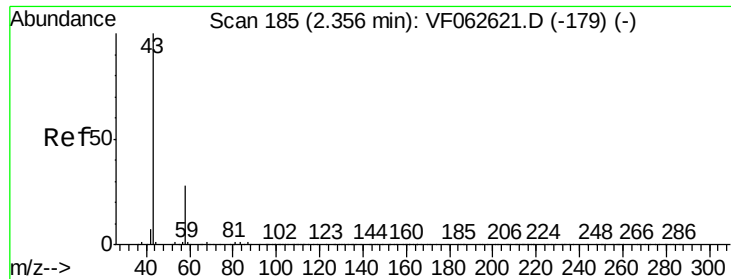
Ion Ratio Lower Upper

53 100

52 38.7 67.3 100.9#

51 61.6 33.0 49.6#





#16

Acetone

Concen: 5.368 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062740.D

Acq: 24 May 2019 11:49

Instrument :

MSVOA_F

ClientSampleId :

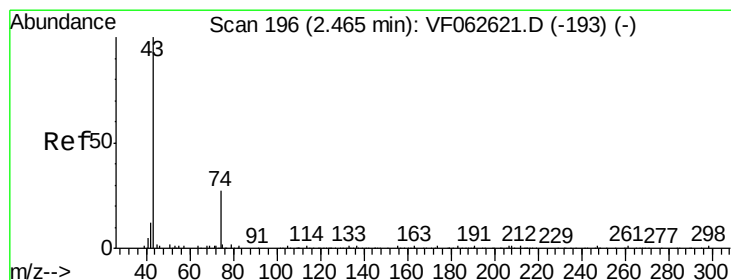
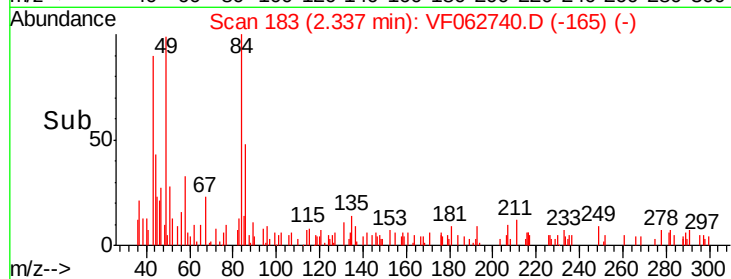
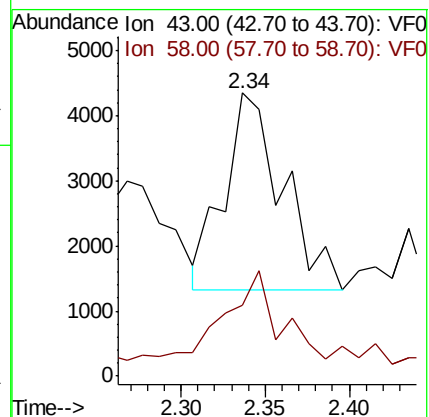
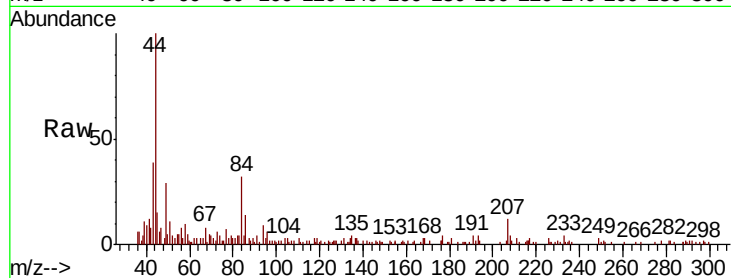
VF0524SBL01

Tot Ion: 43 Resp: 7270

Ion Ratio Lower Upper

43 100

58 25.0 22.6 33.8



#18

Methyl Acetate

Concen: 2.955 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF062740.D

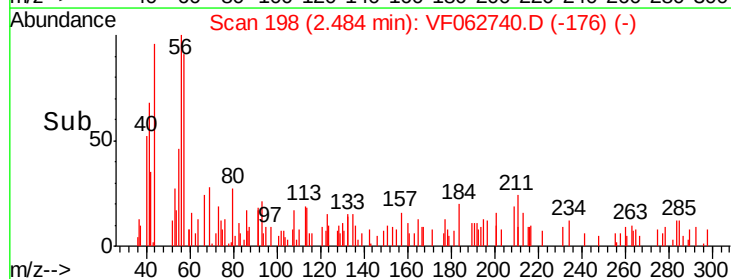
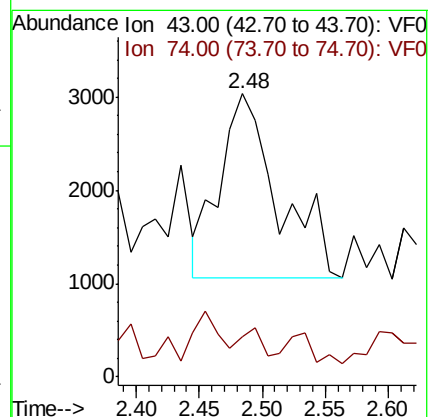
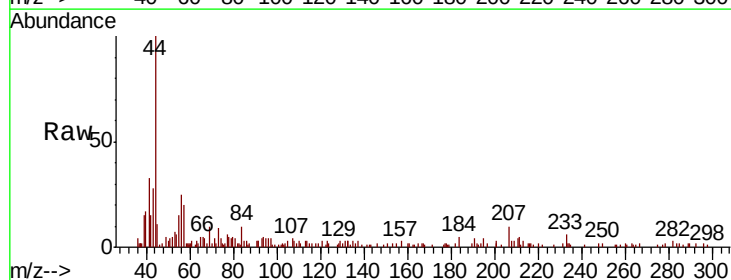
Acq: 24 May 2019 11:49

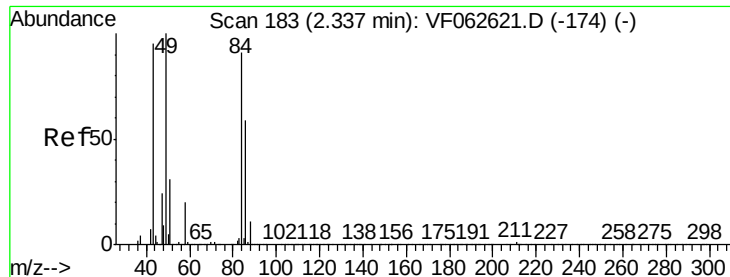
Tgt Ion: 43 Resp: 6288

Ion Ratio Lower Upper

43 100

74 14.3 18.9 28.3#

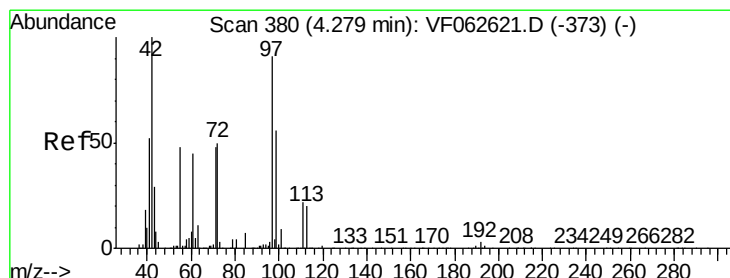
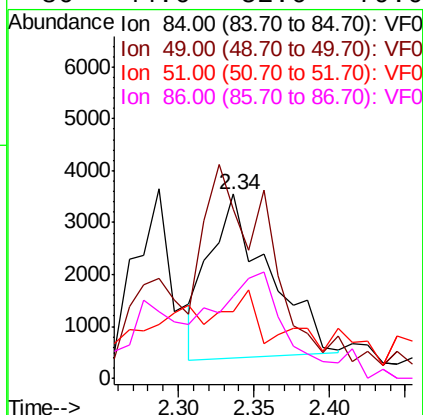
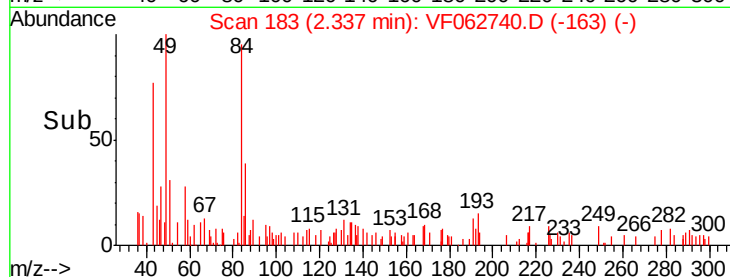
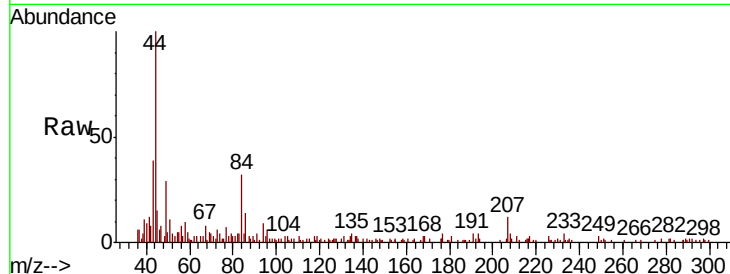




#20
Methylene Chloride
Concen: 1.269 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

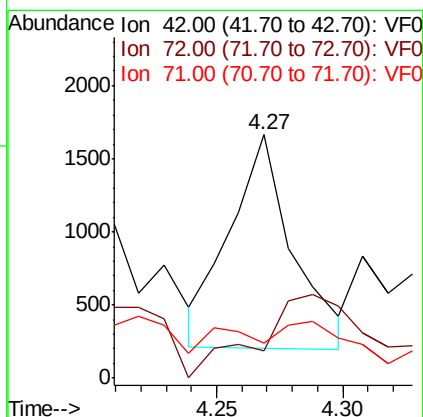
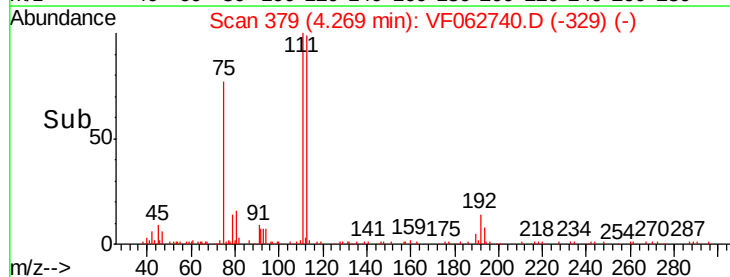
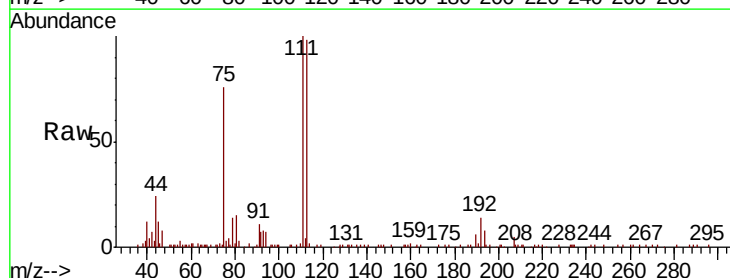
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBL01

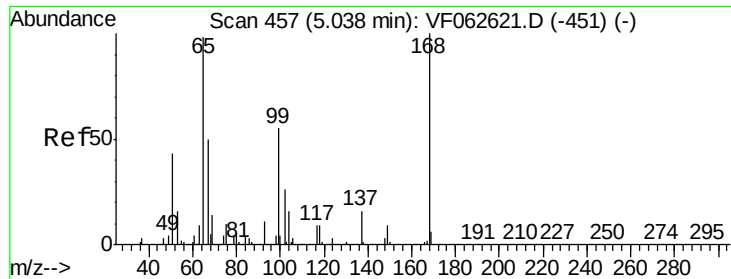
Tot Ion:	84	Resp:	8616
Ion	Ratio	Lower	Upper
84	100		
49	91.9	89.8	134.8
51	47.8	28.4	42.6#
86	44.6	52.6	79.0#



#29
Tetrahydrofuran
Concen: 2.158 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

Tgt Ion:	42	Resp:	2527
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.2#
71	0.0	35.8	53.6#

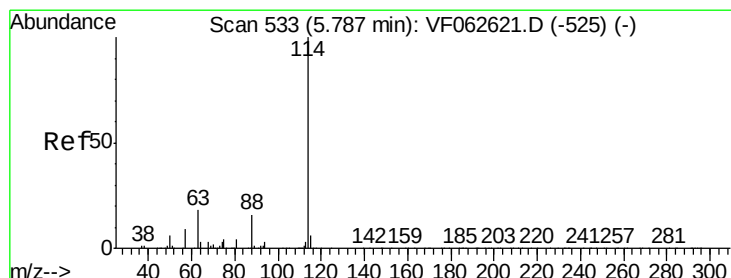
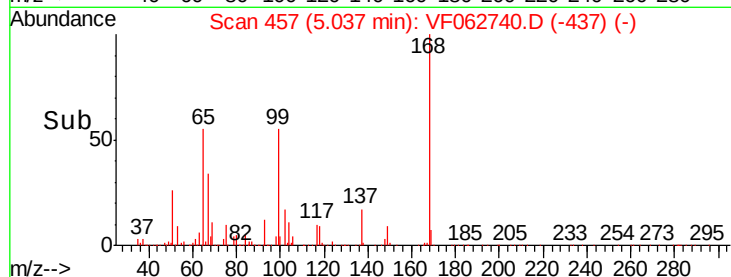
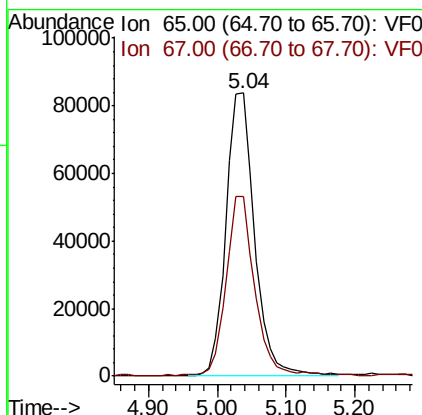
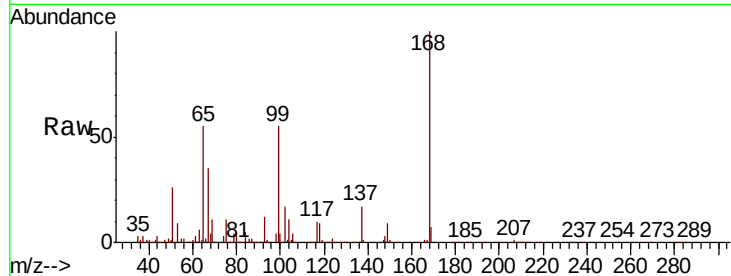




#33
 1,2-Dichloroethane-d4
 Concen: 46.436 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062740.D
 Acq: 24 May 2019 11:49

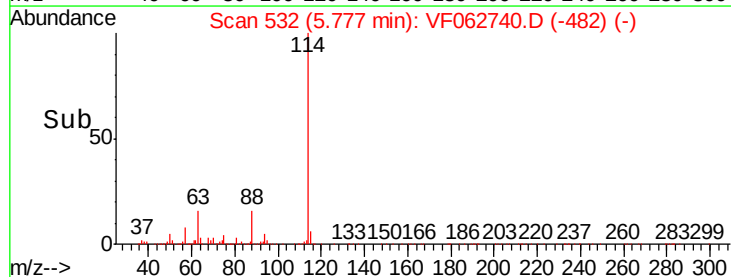
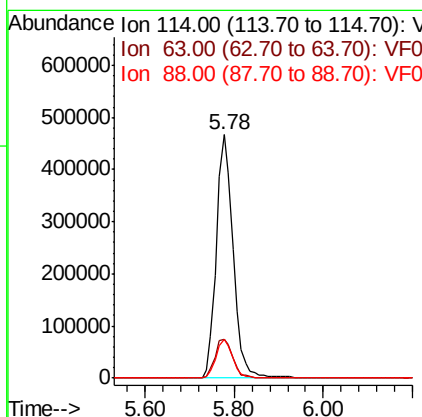
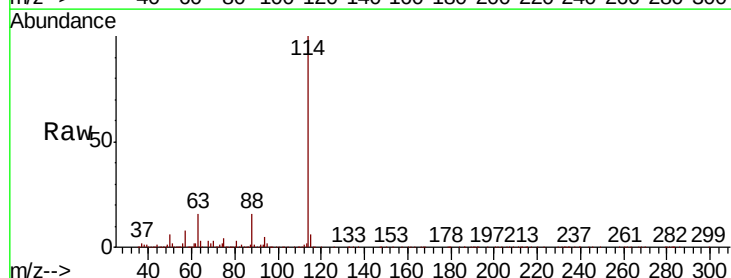
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBL01

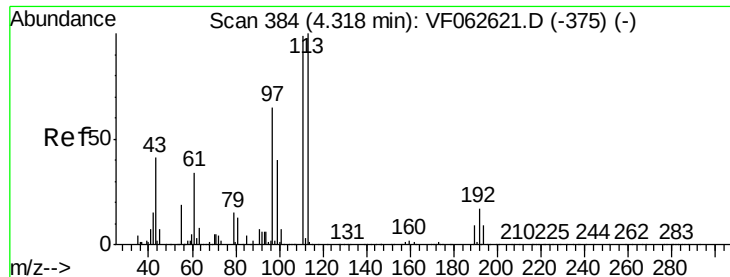
Tot Ion: 65 Resp: 242399
 Ion Ratio Lower Upper
 65 100
 67 63.3 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062740.D
 Acq: 24 May 2019 11:49

Tgt Ion: 114 Resp: 1219972
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 35.4
 88 16.2 0.0 32.4

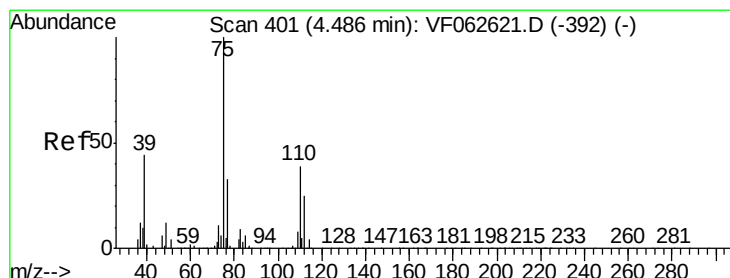
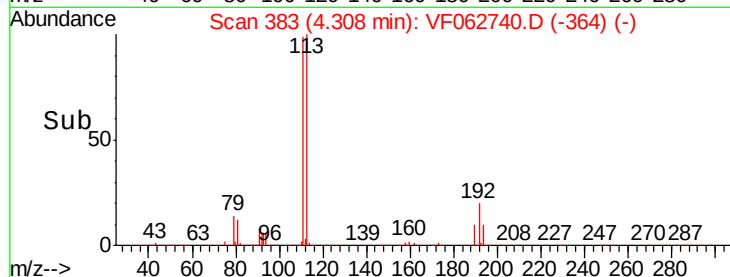
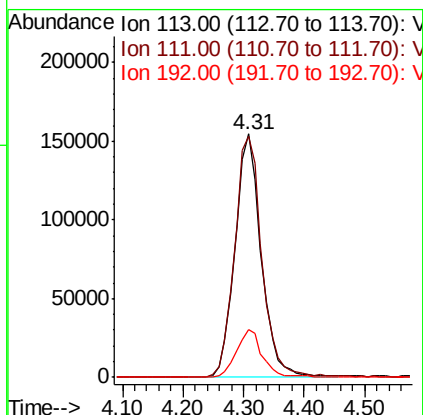
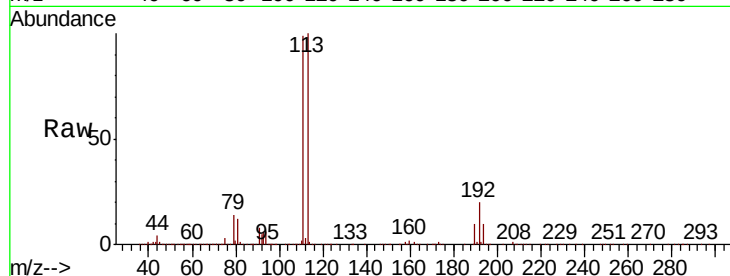




#35
 Dibromofluoromethane
 Concen: 49.831 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062740.D
 Acq: 24 May 2019 11:49

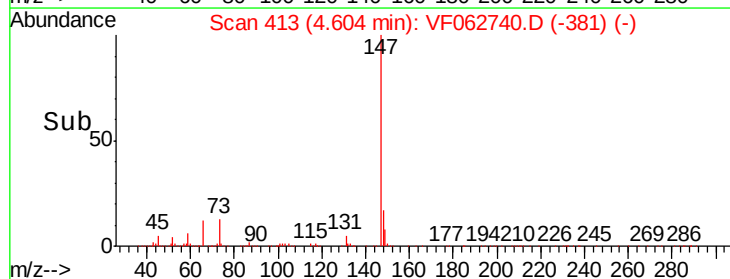
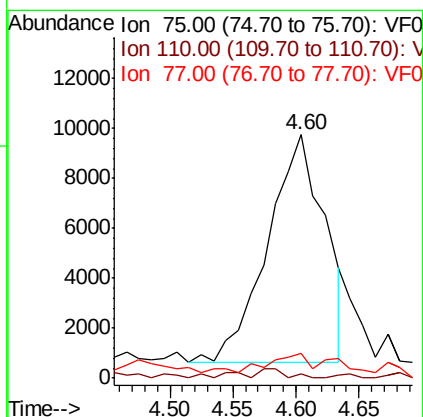
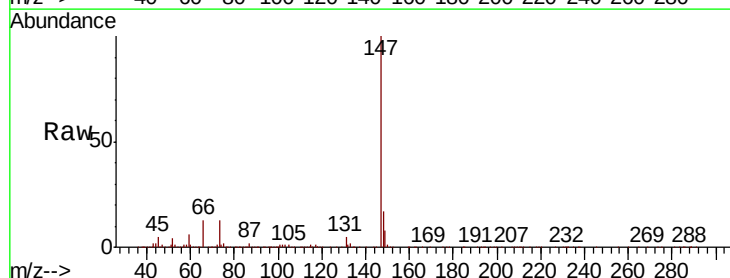
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBL01

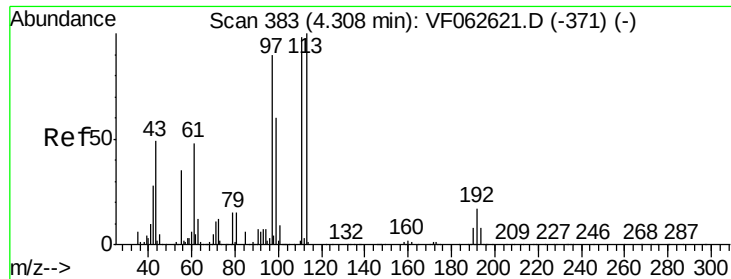
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.1	79.4	119.2
192	19.7	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 2.295 ug/l
 RT: 4.60 min Scan# 413
 Delta R.T. 0.12 min
 Lab File: VF062740.D
 Acq: 24 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	1.8	19.7	59.1#
77	10.0	26.3	39.5#

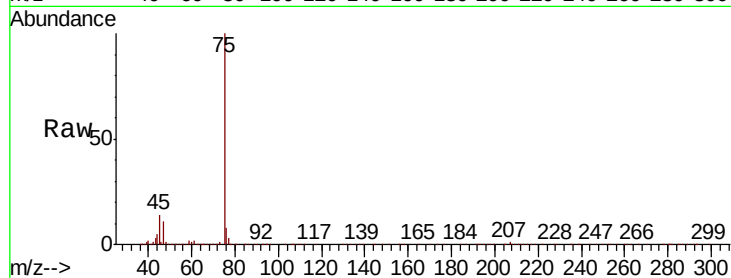




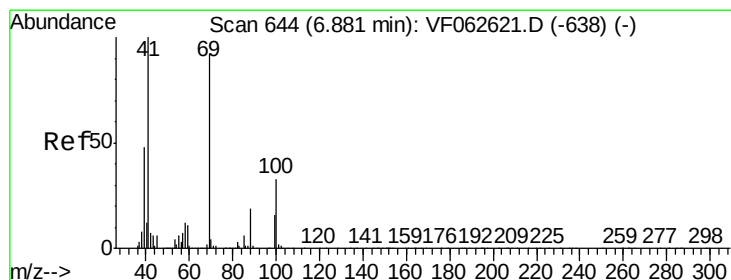
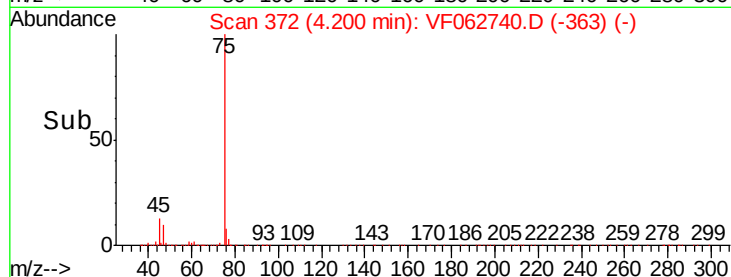
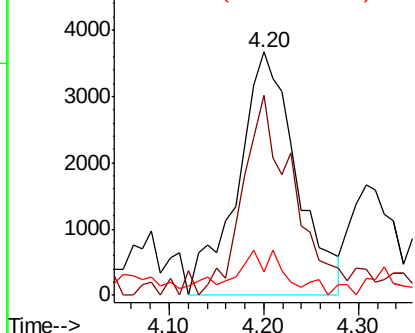
#37
Ethyl Acetate
Concen: 3.106 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.11 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBL01

Tot Ion: 43 Resp: 15851
Ion Ratio Lower Upper
43 100
61 81.9 76.9 115.3
70 9.6 8.8 13.2

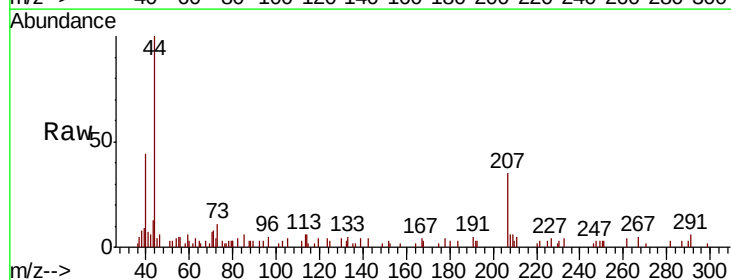


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

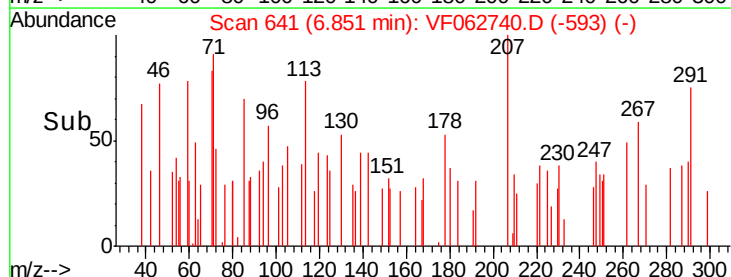
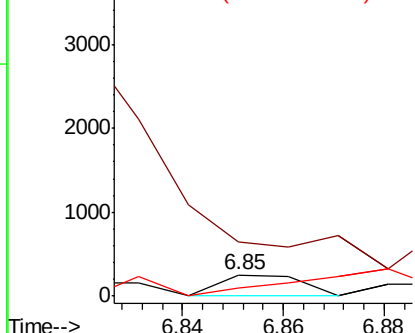


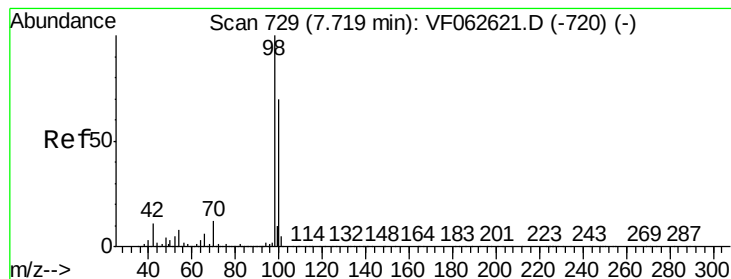
#49
1,4-Dioxane
Concen: 6.506 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

Tgt Ion: 88 Resp: 288
Ion Ratio Lower Upper
88 100
43 254.7 30.0 45.0#
58 39.4 51.1 76.7#



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: 46.377 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF062740.D

Acq: 24 May 2019 11:49

Instrument :

MSVOA_F

ClientSampleId :

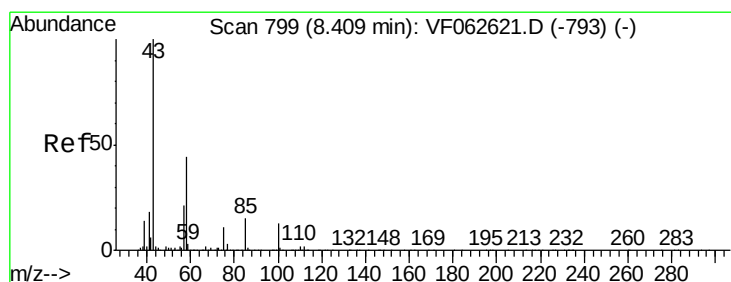
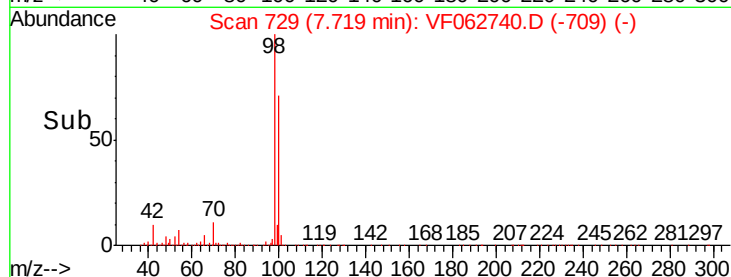
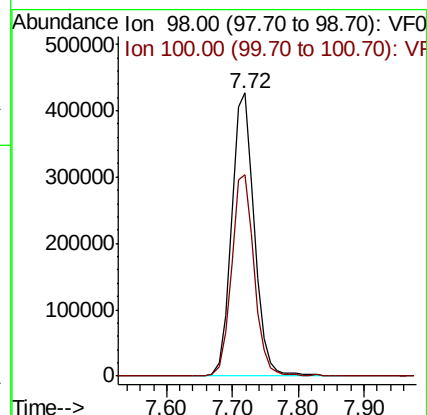
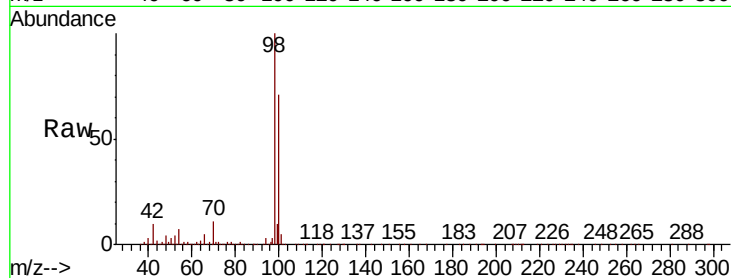
VF0524SBL01

Tot Ion: 98 Resp: 1033688

Ion Ratio Lower Upper

98 100

100 71.0 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 2.471 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062740.D

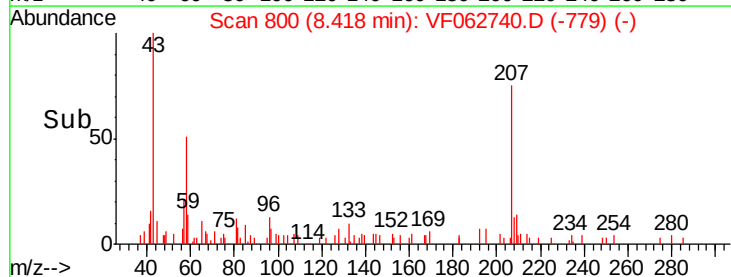
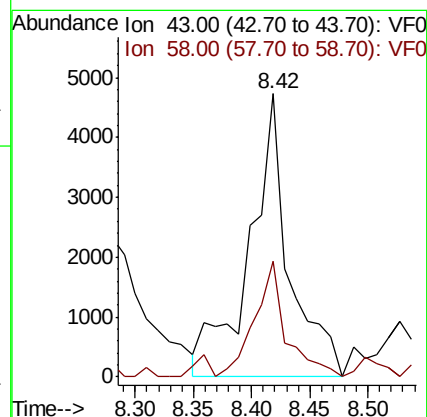
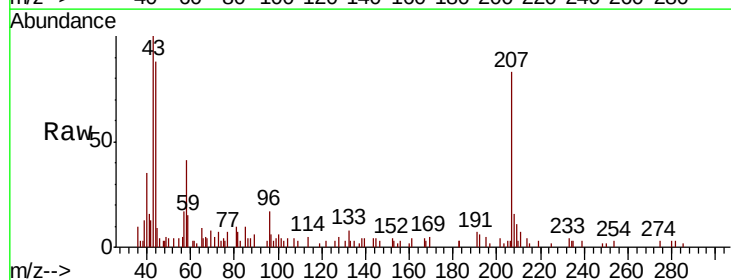
Acq: 24 May 2019 11:49

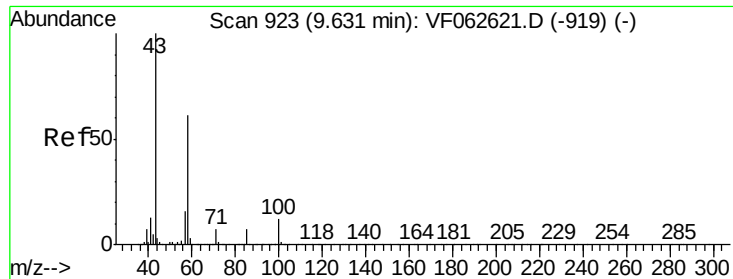
Tgt Ion: 43 Resp: 11170

Ion Ratio Lower Upper

43 100

58 40.9 34.9 52.3

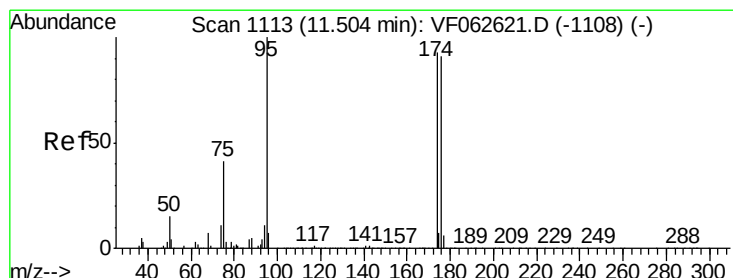
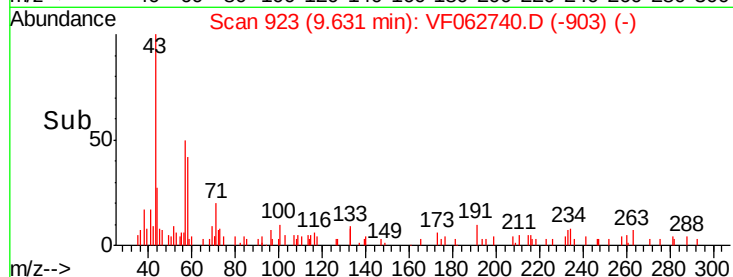
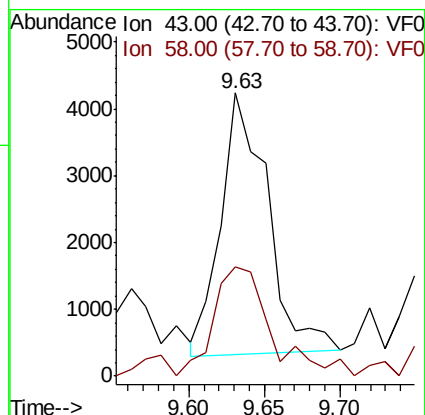
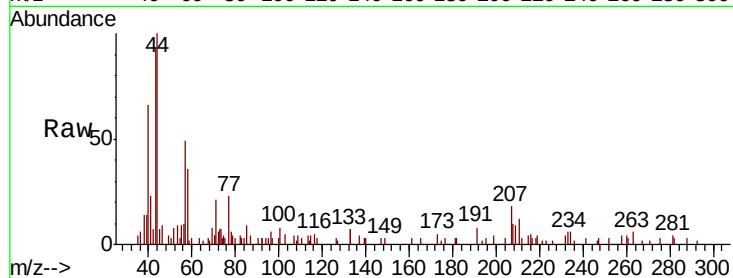




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

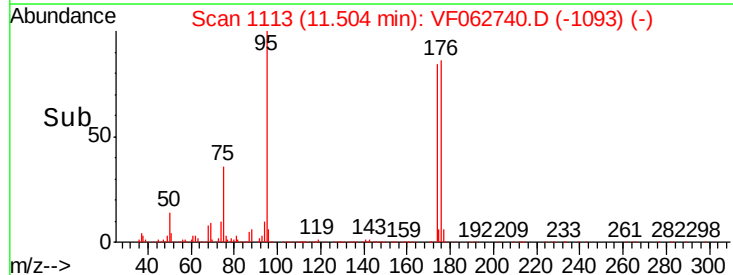
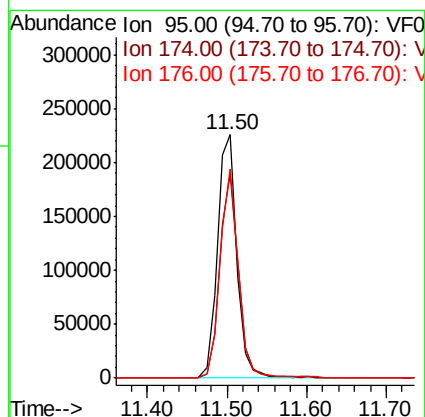
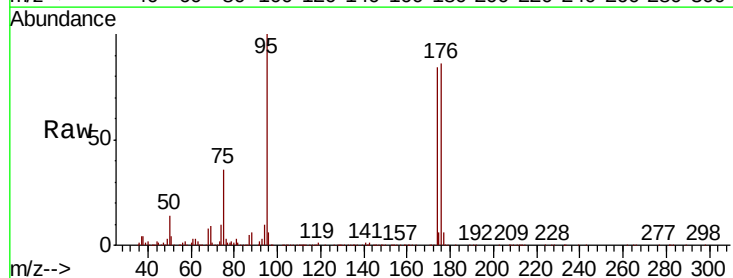
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBL01

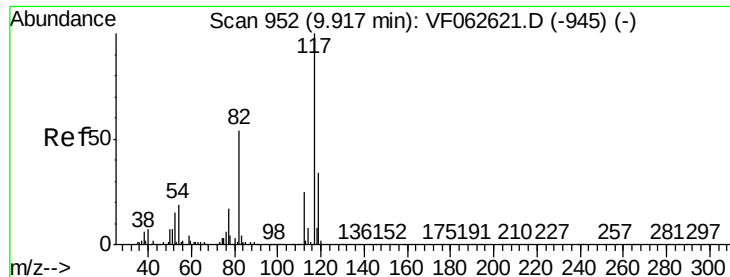
Tot Ion: 43 Resp: 8471
Ion Ratio Lower Upper
43 100
58 38.6 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 46.141 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

Tgt Ion: 95 Resp: 390057
Ion Ratio Lower Upper
95 100
174 83.8 0.0 185.6
176 86.1 0.0 182.4

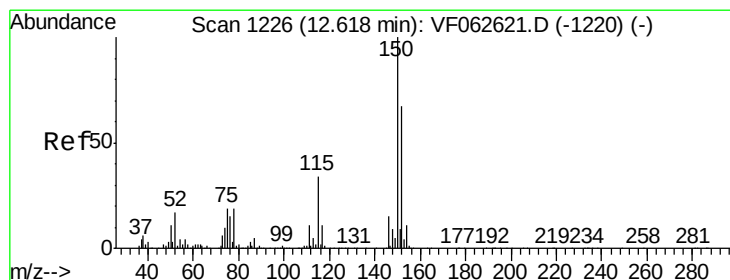
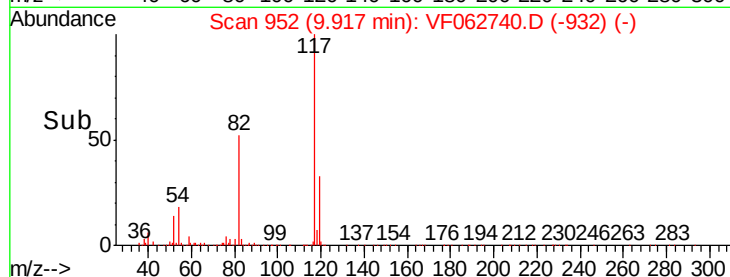
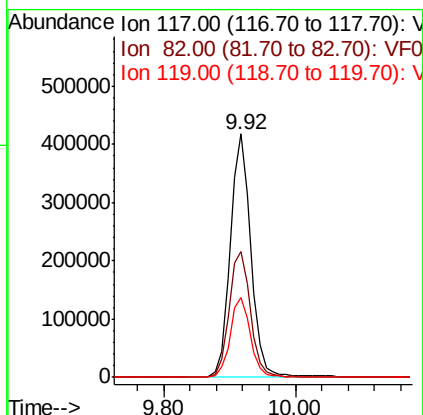
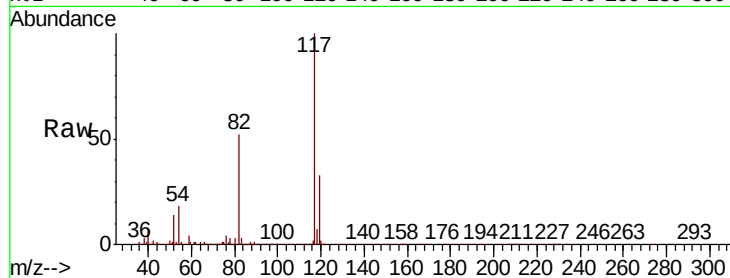




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

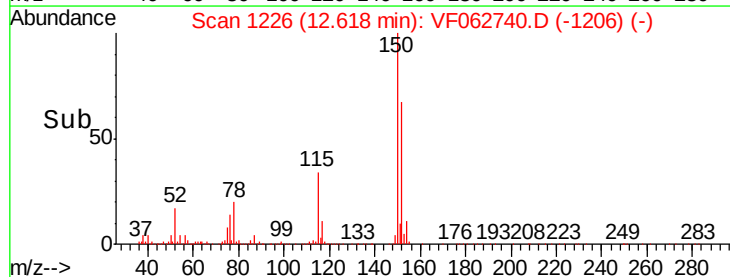
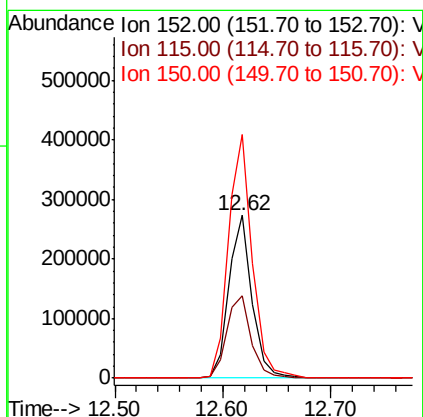
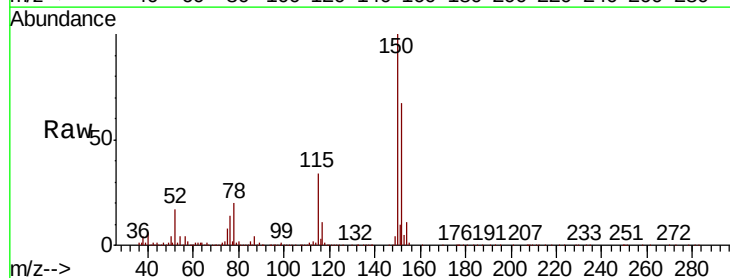
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBL01

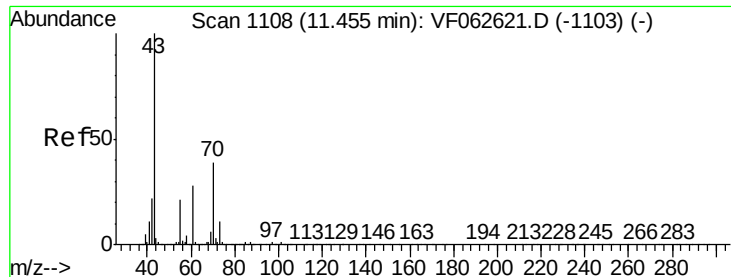
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.3	64.9
119	32.7	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062740.D
Acq: 24 May 2019 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.4	25.2	75.6
150	149.9	0.0	306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062740.D

Acq: 24 May 2019 11:49

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBL01

Tot Ion: 43 Resp: 4973

Ion Ratio Lower Upper

43 100

70 57.1 30.9 46.3#

55 39.4 17.0 25.4#

61 36.9 22.6 34.0#

