

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062682.D
 Acq On : 21 May 2019 14:50
 Operator : FY/SY
 Sample : K2970-14
 Misc : 3.51u/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:55:57 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	726384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1187820	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	740698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	207896	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	179279	34.93	ug/l	0.00
Spiked Amount			Recovery	=	69.86%	
35) Dibromofluoromethane	4.31	113	331976	36.52	ug/l	0.00
Spiked Amount			Recovery	=	73.04%	
50) Toluene-d8	7.71	98	651583	30.02	ug/l	0.00
Spiked Amount			Recovery	=	60.04%	
62) 4-Bromofluorobenzene	11.50	95	171117	20.79	ug/l	0.00
Spiked Amount			Recovery	=	41.58%	

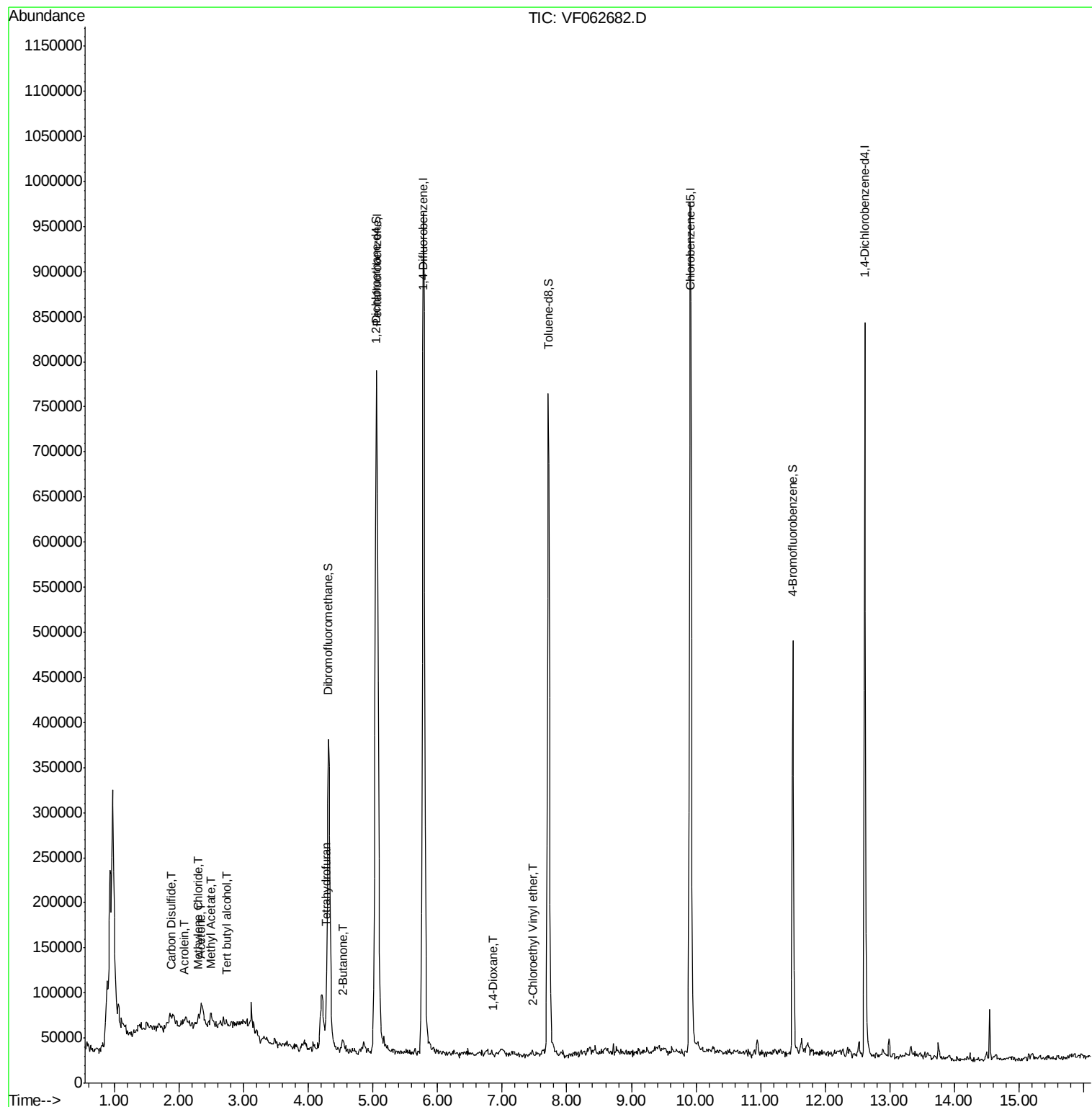
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.73	59	2662	7.855	ug/l #	1
13) Acrolein	2.07	56	4884	13.806	ug/l #	76
16) Acetone	2.35	43	38888	29.203	ug/l #	83
17) Carbon Disulfide	1.88	76	60207	3.113	ug/l	95
18) Methyl Acetate	2.49	43	4681	2.237	ug/l #	63
20) Methylene Chloride	2.30	84	7325	1.097	ug/l #	90
25) 2-Butanone	4.53	43	22548	7.925	ug/l	95
29) Tetrahydrofuran	4.27	42	3915	3.400	ug/l #	42
49) 1,4-Dioxane	6.88	88	199	4.617	ug/l #	25
58) 2-Chloroethyl Vinyl ether	7.46	63	2469	1.237	ug/l	99
59) 2-Hexanone	9.72	43	1744	Below Cal		64
74) N-amyl acetate	11.45	43	2886	Below Cal	#	47

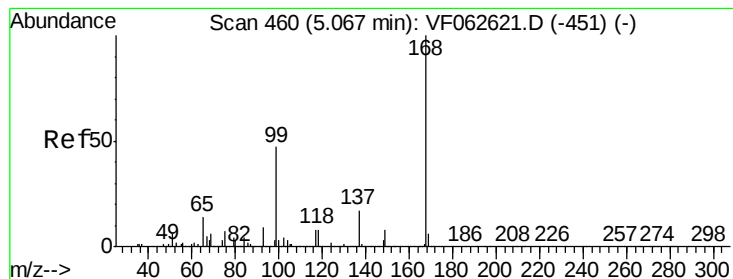
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
Data File : VF062682.D
Acq On : 21 May 2019 14:50
Operator : FY/SY
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Misc : 3.51g/5mL/MSVOA F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: May 22 03:55:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
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: VF062682.D

Acq: 21 May 2019 14:50

Instrument :

MSVOA_F

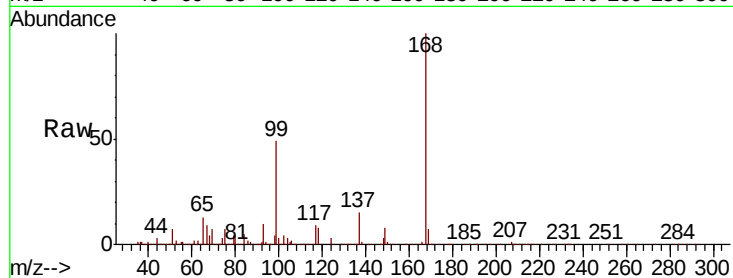
ClientSampleId :

Tot Ion:168 Resp: 726384

Ion Ratio Lower Upper

168 100

99 48.8 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

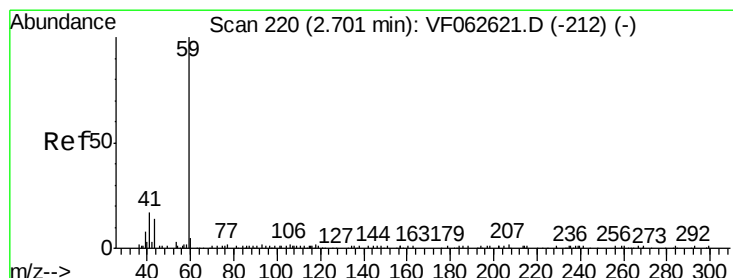
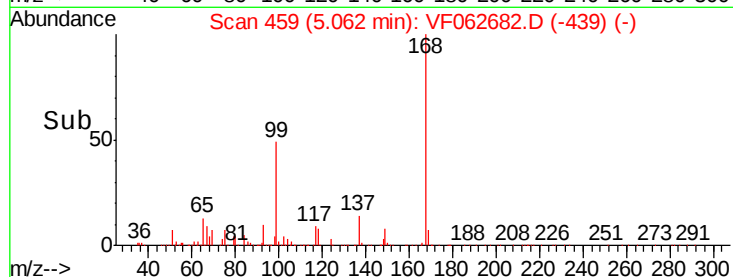
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.855 ug/l

RT: 2.73 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF062682.D

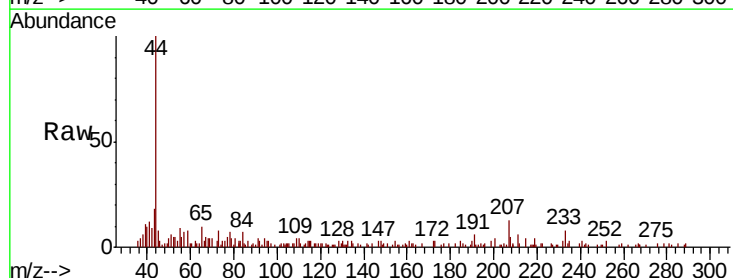
Acq: 21 May 2019 14:50

Tgt Ion: 59 Resp: 2662

Ion Ratio Lower Upper

59 100

57 85.1 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.73

800

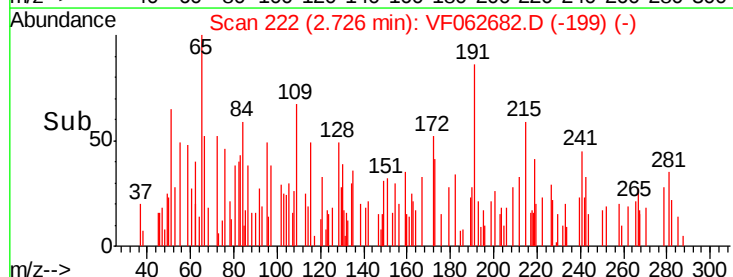
600

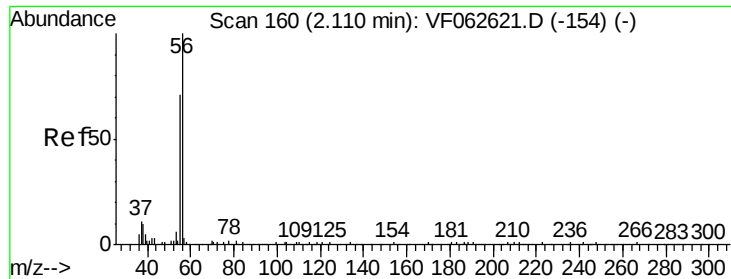
400

200

0

Time-->





#13

Acrolein

Concen: 13.806 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.04 min

Lab File: VF062682.D

Acq: 21 May 2019 14:50

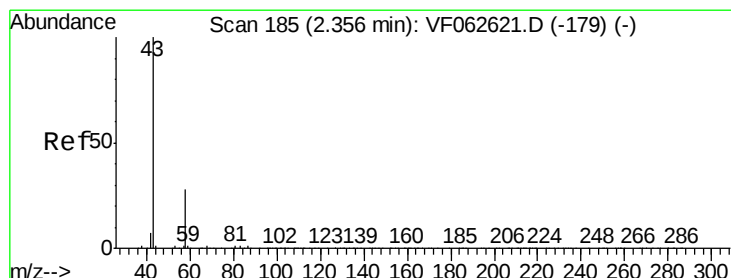
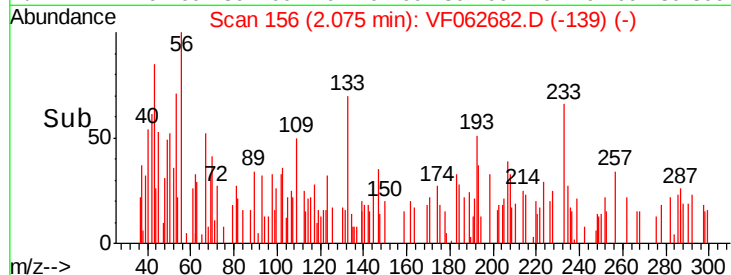
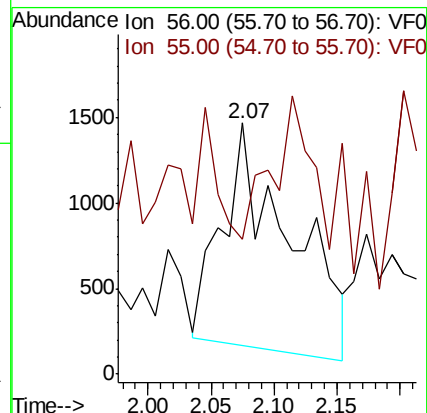
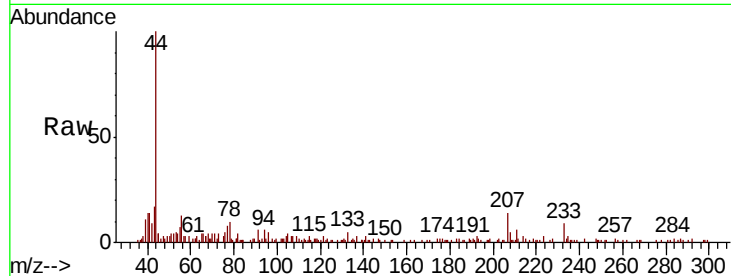
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 4884

Ion Ratio Lower Upper

56 100

55 53.8 59.4 89.0#



#16

Acetone

Concen: 29.203 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062682.D

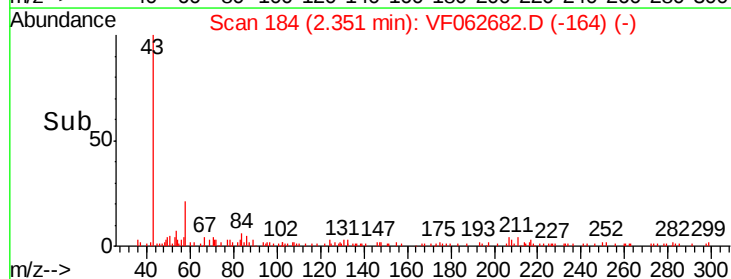
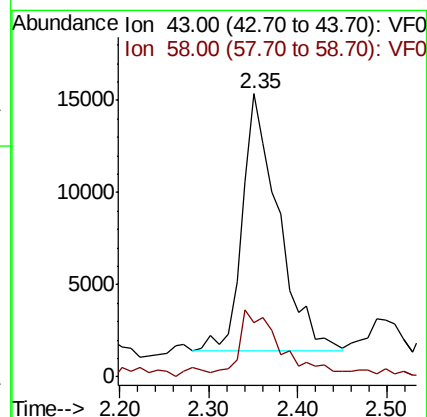
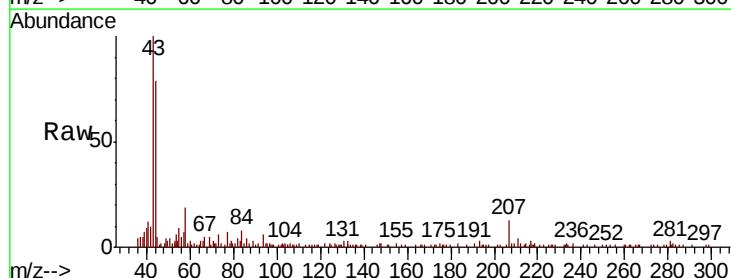
Acq: 21 May 2019 14:50

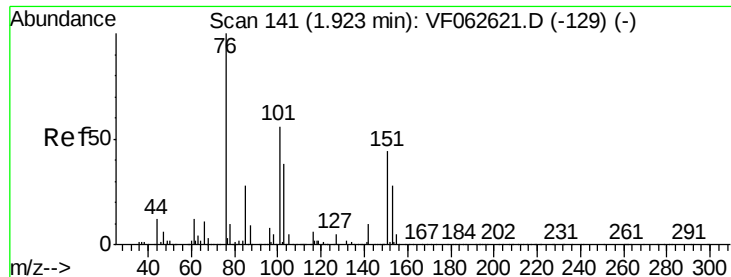
Tgt Ion: 43 Resp: 38888

Ion Ratio Lower Upper

43 100

58 19.2 22.6 33.8#

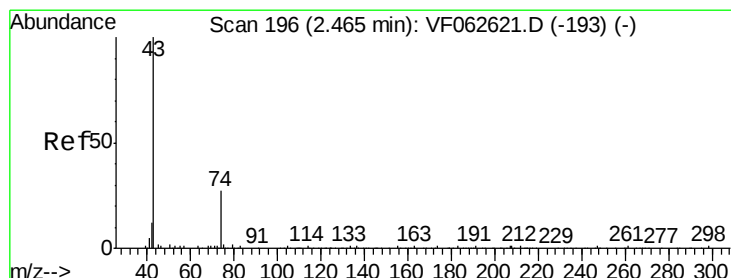
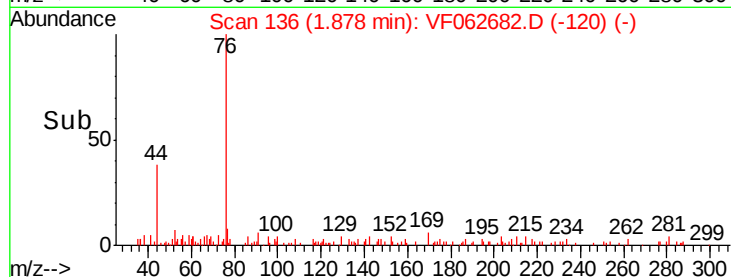
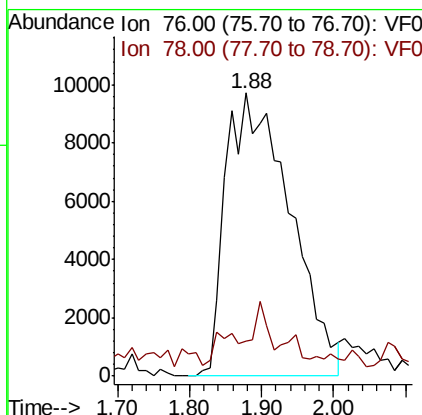
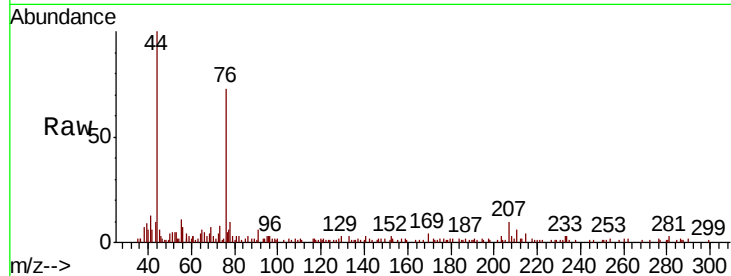




#17
Carbon Disulfide
Concen: 3.113 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.04 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

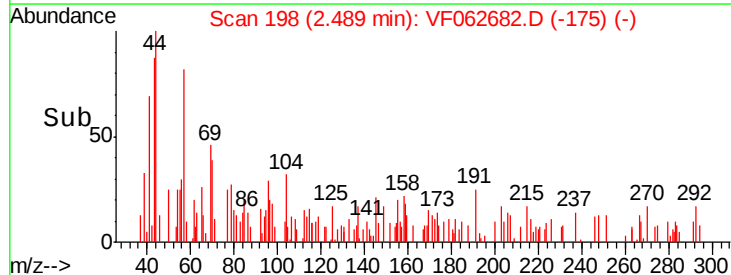
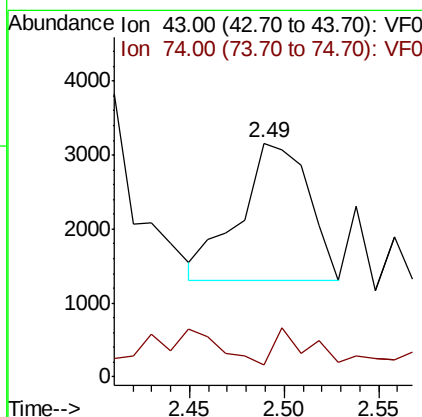
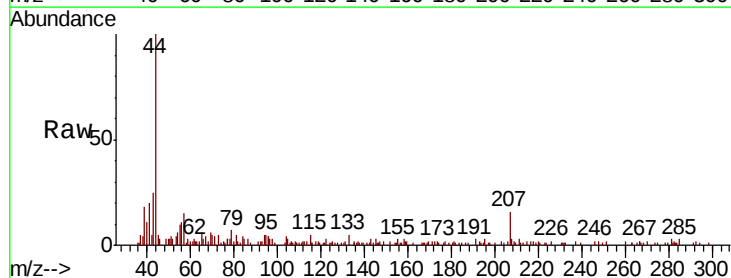
Instrument :
MSVOA_F
ClientSampled :

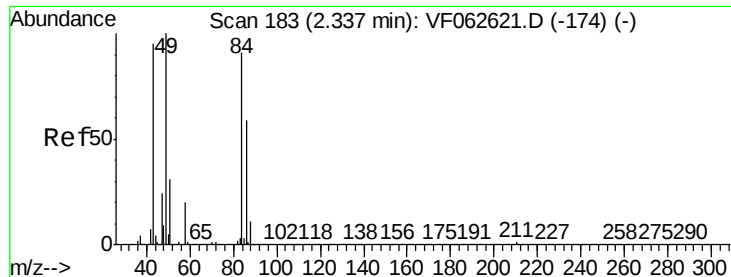
Tot Ion: 76 Resp: 60207
Ion Ratio Lower Upper
76 100
78 12.4 8.4 12.6



#18
Methyl Acetate
Concen: 2.237 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

Tgt Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
74 5.3 18.9 28.3#

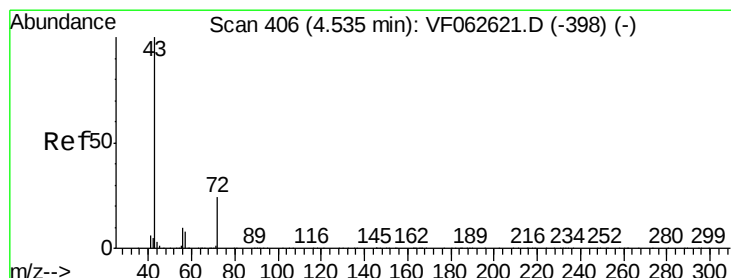
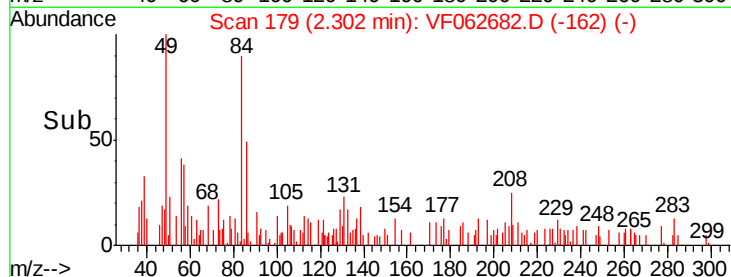
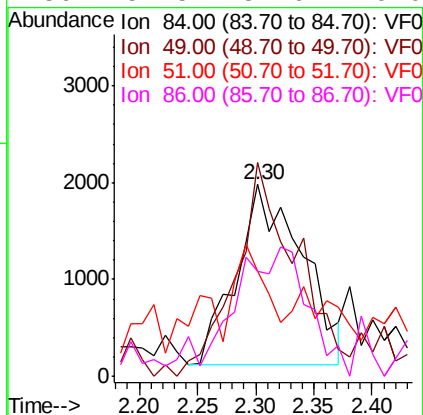
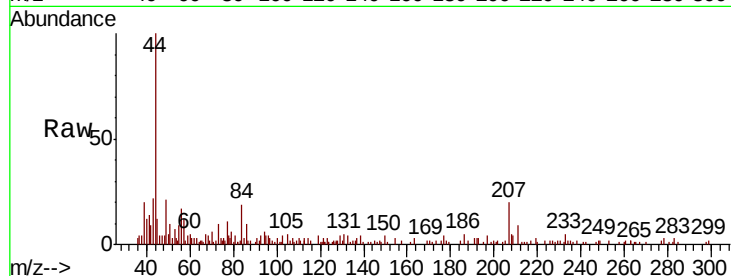




#20
Methvlene Chloride
Concen: 1.097 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

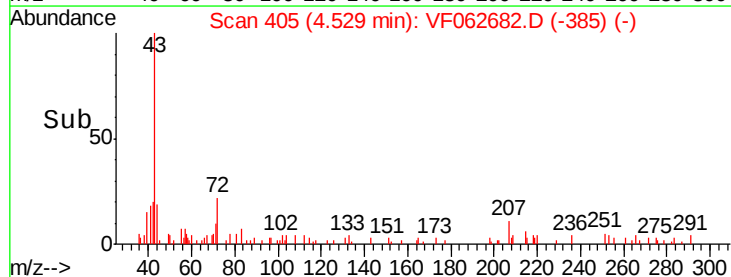
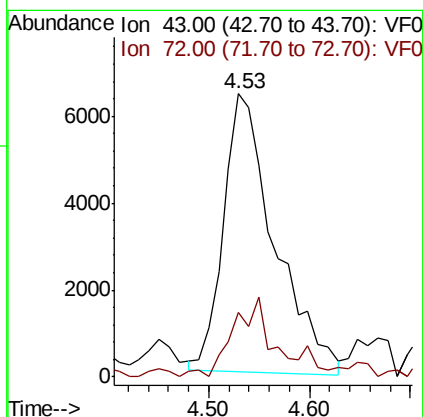
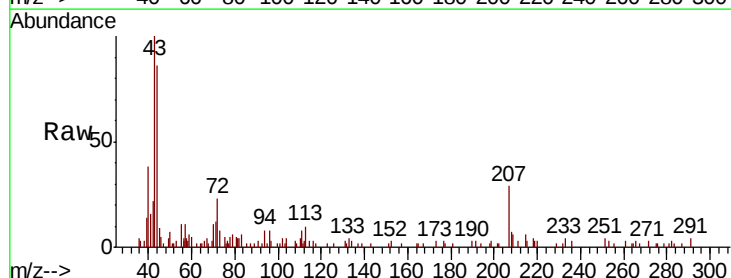
Instrument :
MSVOA_F
ClientSampleId :

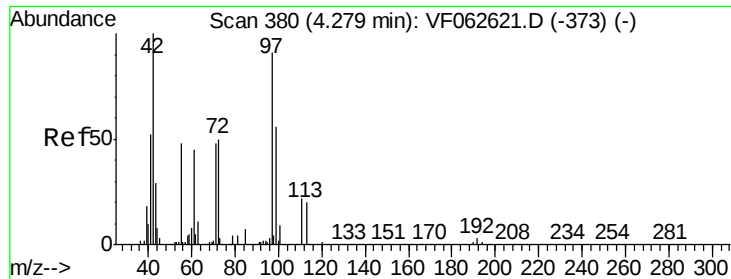
Tot Ion:	84	Resp:	7325
Ion	Ratio	Lower	Upper
84	100		
49	111.3	89.8	134.8
51	54.6	28.4	42.6#
86	54.5	52.6	79.0



#25
2-Butanone
Concen: 7.925 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

Tgt Ion:	43	Resp:	22548
Ion	Ratio	Lower	Upper
43	100		
72	22.6	20.1	30.1

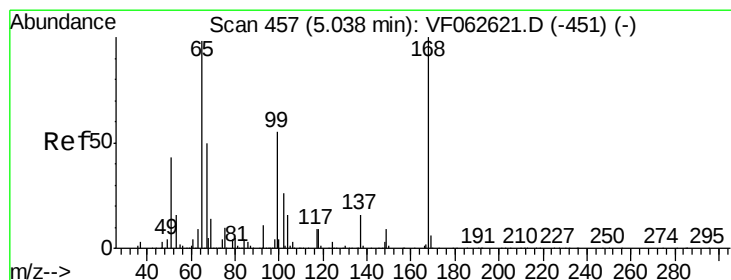
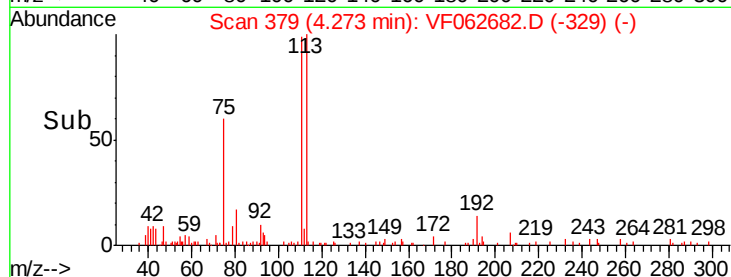
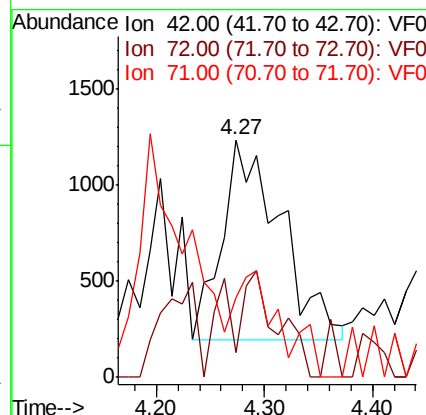
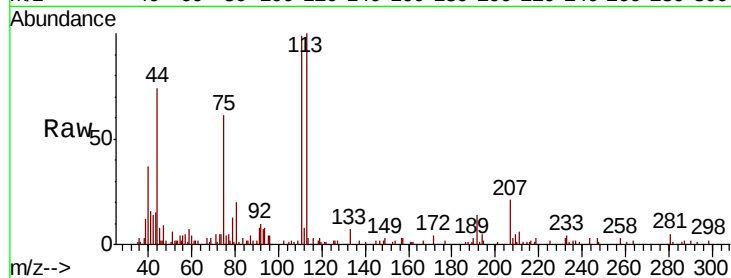




#29
Tetrahydrofuran
Concen: 3.400 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

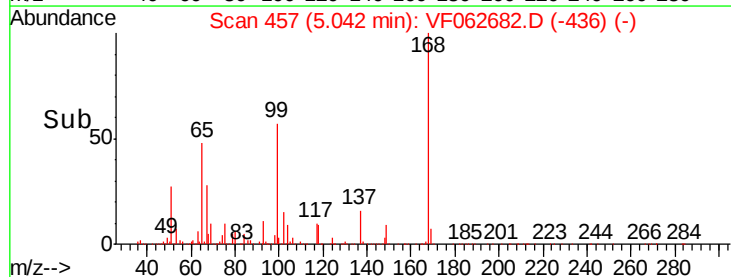
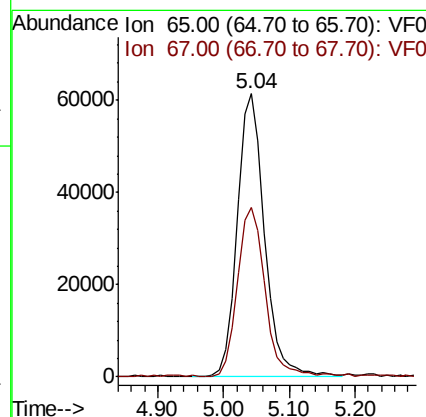
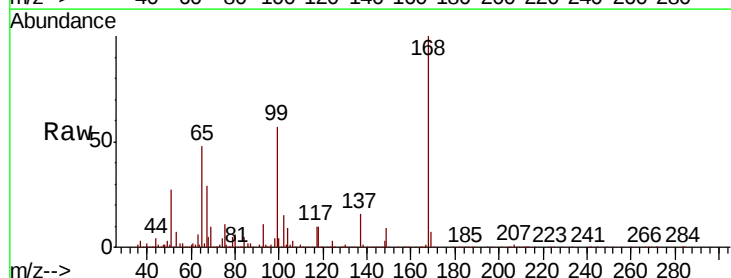
Instrument :
MSVOA_F
ClientSampleId :

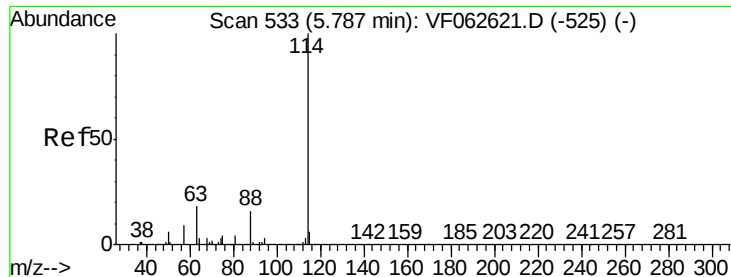
Tot Ion: 42 Resp: 3915
Ion Ratio Lower Upper
42 100
72 14.9 38.2 57.2#
71 0.0 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 34.927 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.00 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

Tgt Ion: 65 Resp: 179279
Ion Ratio Lower Upper
65 100
67 59.7 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: VF062682.D

Acq: 21 May 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

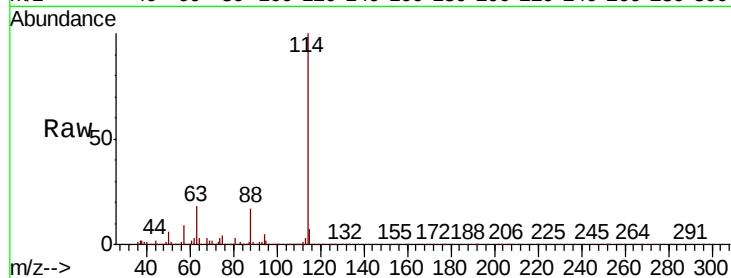
Tot Ion:114 Resp: 1187820

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

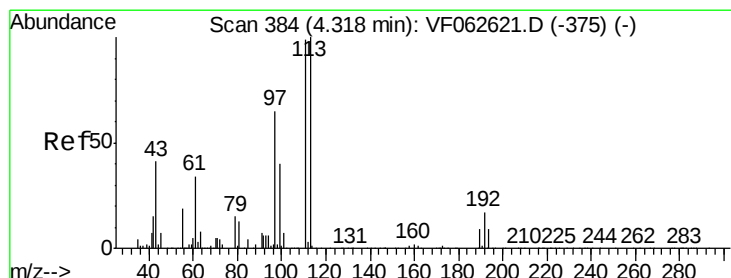
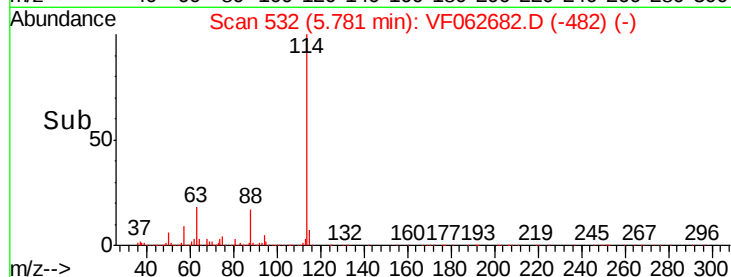
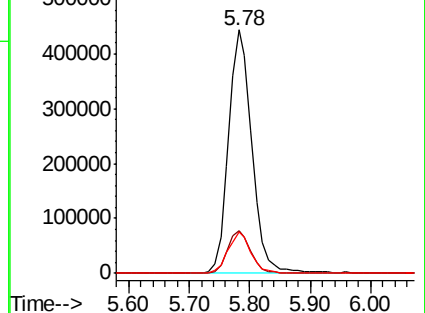
88 16.9 0.0 32.4



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: 36.524 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062682.D

Acq: 21 May 2019 14:50

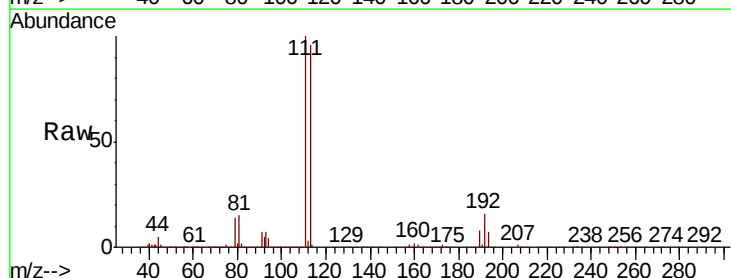
Tgt Ion:113 Resp: 331976

Ion Ratio Lower Upper

113 100

111 104.6 79.4 119.2

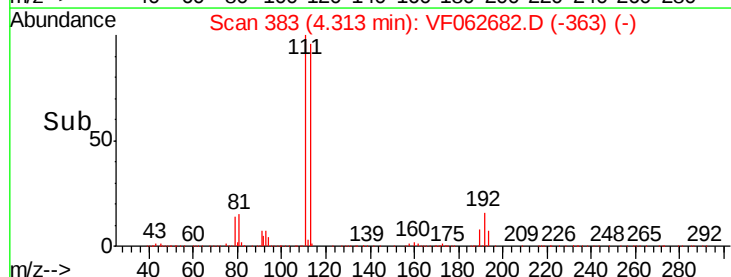
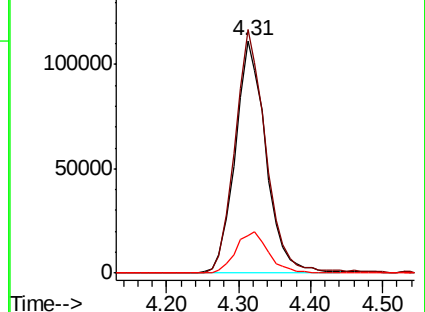
192 16.4 13.4 20.2

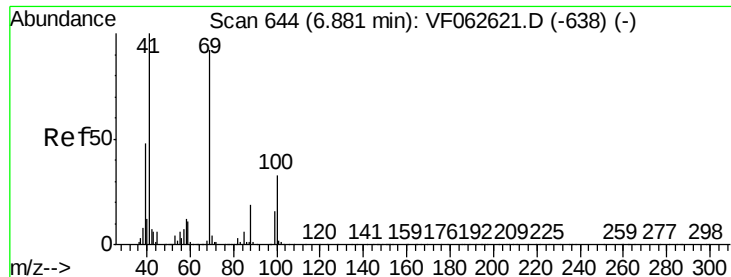


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

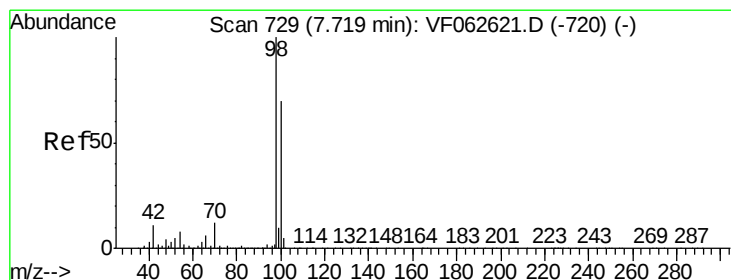
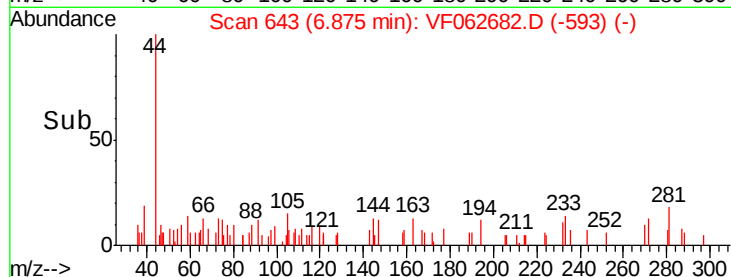
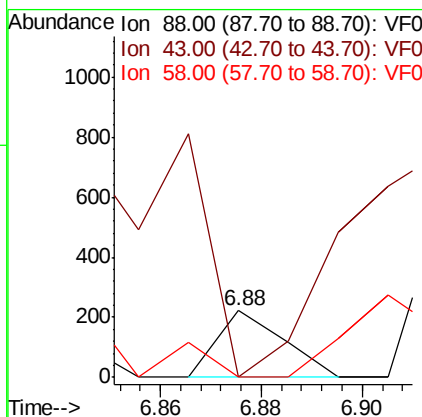
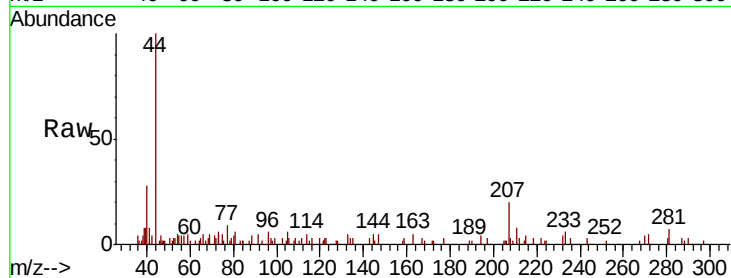




#49
1,4-Dioxane
Concen: 4.617 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

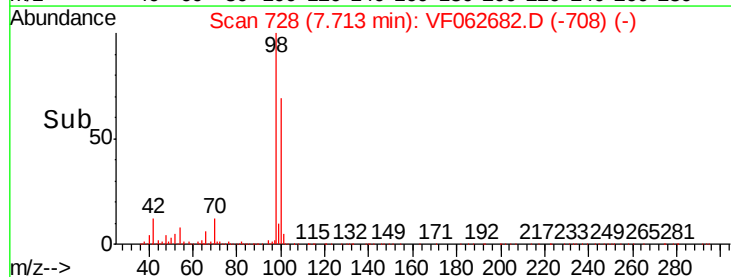
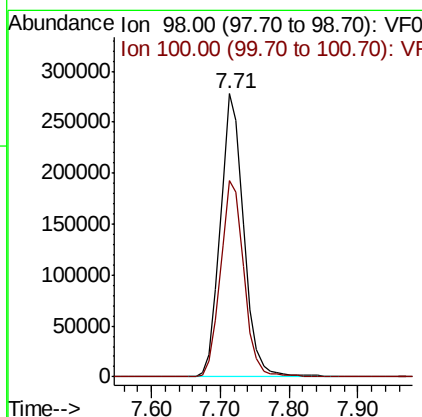
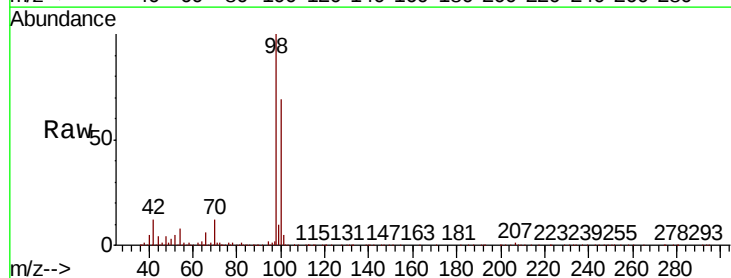
Instrument :
MSVOA_F
ClientSampleId :

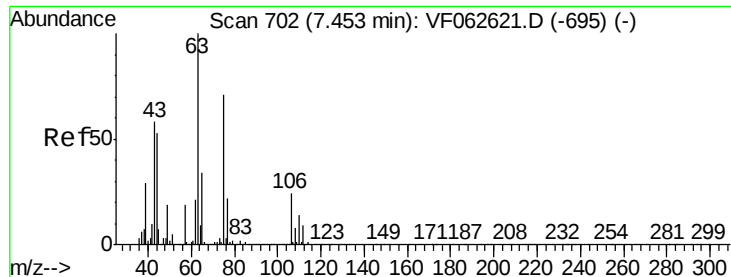
Tot Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 0.0 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 30.025 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

Tgt Ion: 98 Resp: 651583
Ion Ratio Lower Upper
98 100
100 69.2 56.2 84.2

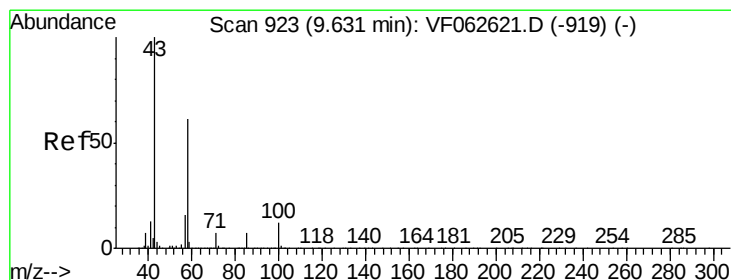
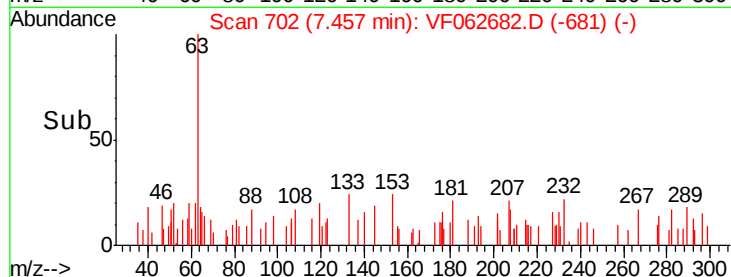
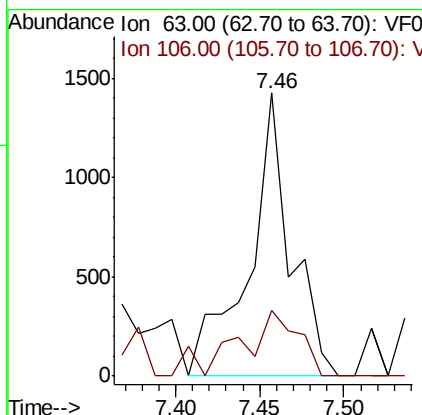
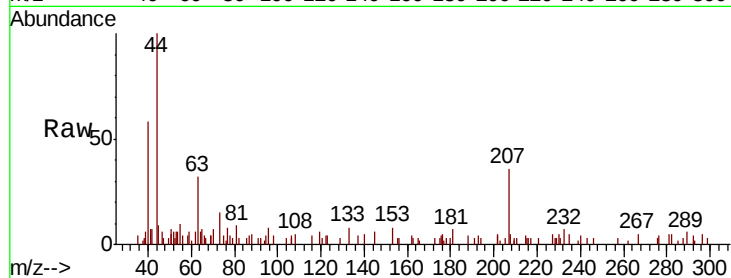




#58
2-Chloroethyl Vinyl ether
Concen: 1.237 ug/l
RT: 7.46 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

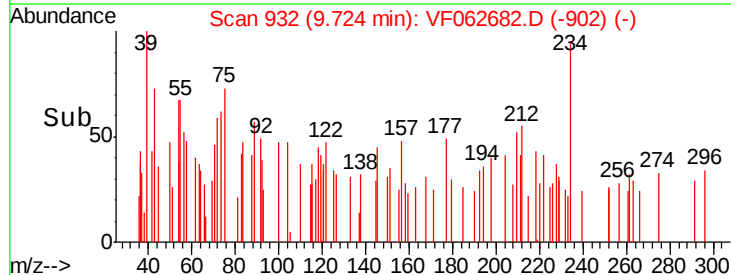
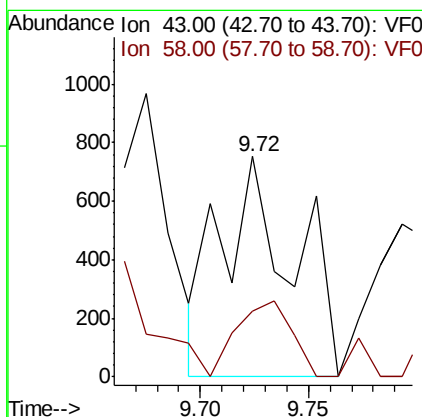
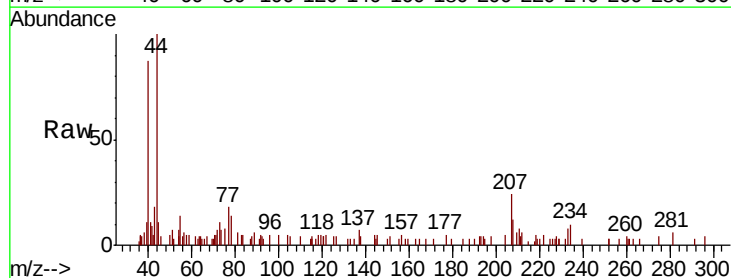
Instrument :
MSVOA_F
ClientSampleId :

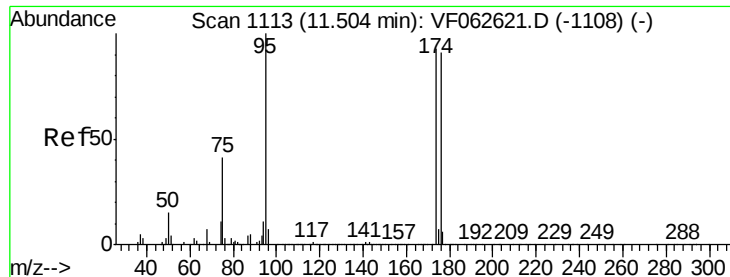
Tot Ion: 63 Resp: 2469
Ion Ratio Lower Upper
63 100
106 23.2 19.1 28.7



#59
2-Hexanone
Concen: Below Cal
RT: 9.72 min Scan# 932
Delta R.T. 0.09 min
Lab File: VF062682.D
Acq: 21 May 2019 14:50

Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 29.7 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 20.790 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062682.D

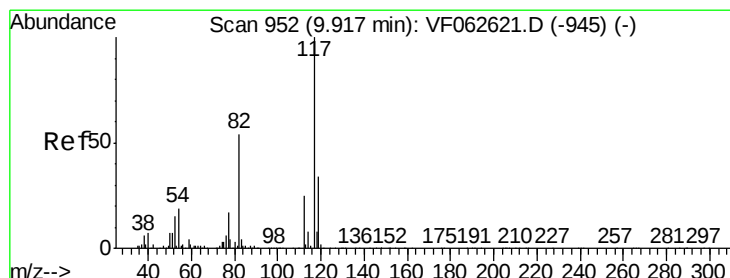
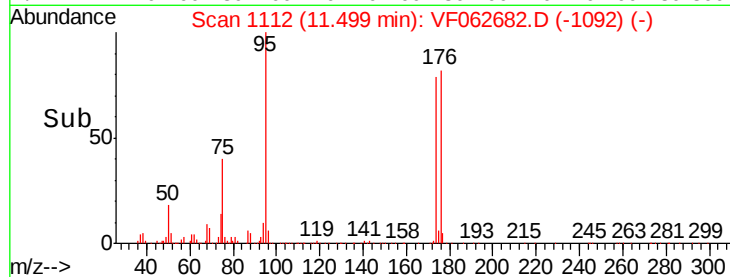
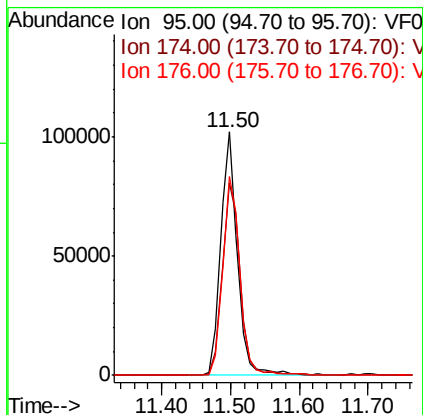
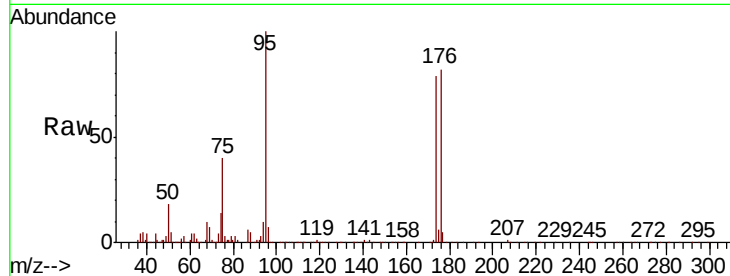
Acq: 21 May 2019 14:50

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	95	Resp:	171117
Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	185.6
176	81.8	0.0	182.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

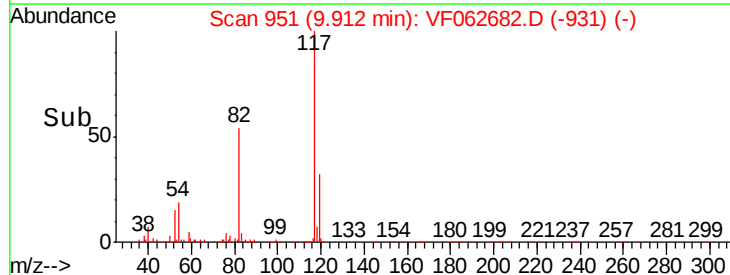
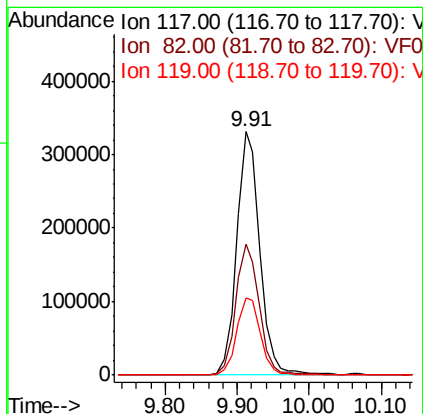
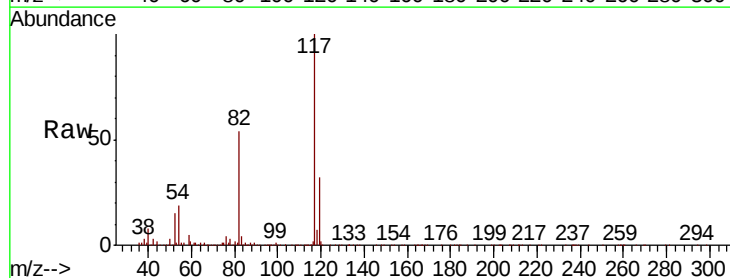
RT: 9.91 min Scan# 951

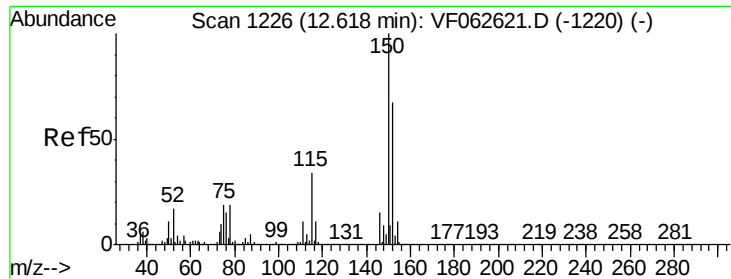
Delta R.T. -0.01 min

Lab File: VF062682.D

Acq: 21 May 2019 14:50

Tgt Ion:	117	Resp:	740698
Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.3	64.9
119	31.9	27.4	41.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062682.D

Acq: 21 May 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

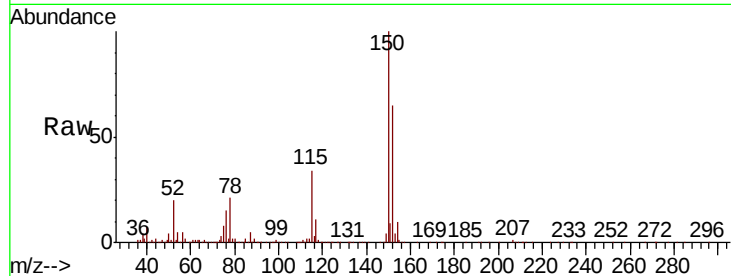
Tot Ion:152 Resp: 207896

Ion Ratio Lower Upper

152 100

115 52.4 25.2 75.6

150 152.7 0.0 306.2

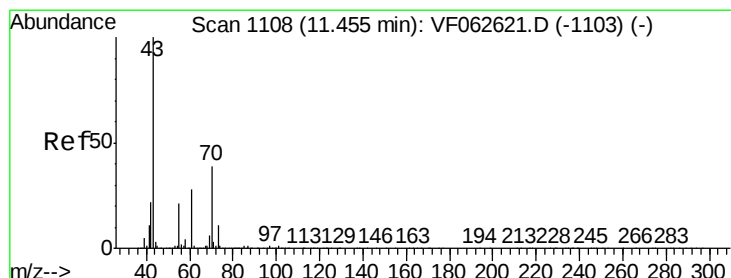
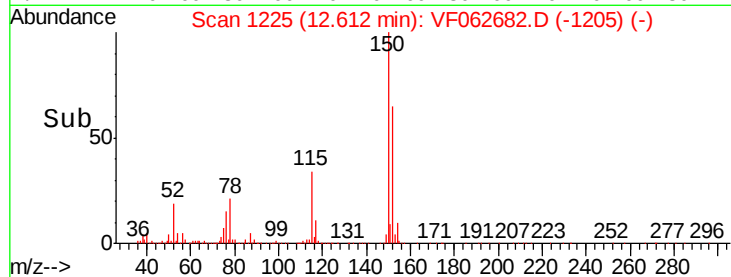
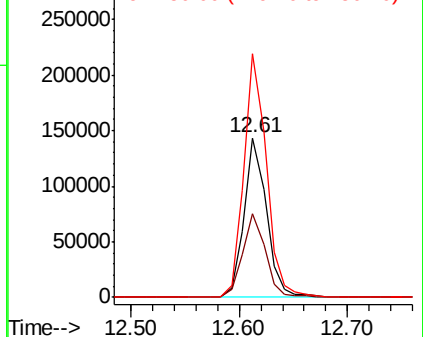


Abundance

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-amyl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062682.D

Acq: 21 May 2019 14:50

Tgt Ion: 43 Resp: 2886

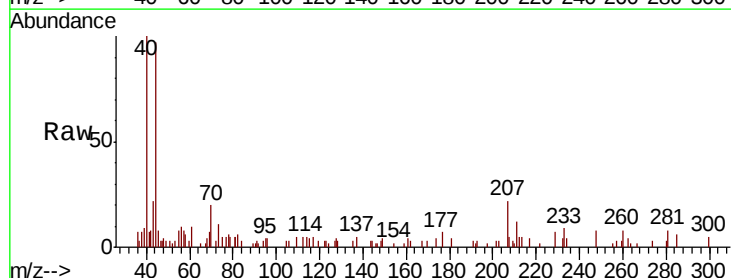
Ion Ratio Lower Upper

43 100

70 88.5 30.9 46.3#

55 35.1 17.0 25.4#

61 44.2 22.6 34.0#



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

