

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062686.D
 Acq On : 21 May 2019 16:43
 Operator : FY/SY
 Sample : K2971-01
 Misc : 5.31g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-1-052019

Quant Time: May 22 03:56:39 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	733386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1199171	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	849179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	410832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	180609	34.85	ug/l	0.00
Spiked Amount			Recovery	=	69.70%	
35) Dibromofluoromethane	4.31	113	367625	40.06	ug/l	0.00
Spiked Amount			Recovery	=	80.12%	
50) Toluene-d8	7.71	98	696987	31.81	ug/l	0.00
Spiked Amount			Recovery	=	63.62%	
62) 4-Bromofluorobenzene	11.50	95	256170	30.83	ug/l	0.00
Spiked Amount			Recovery	=	61.66%	

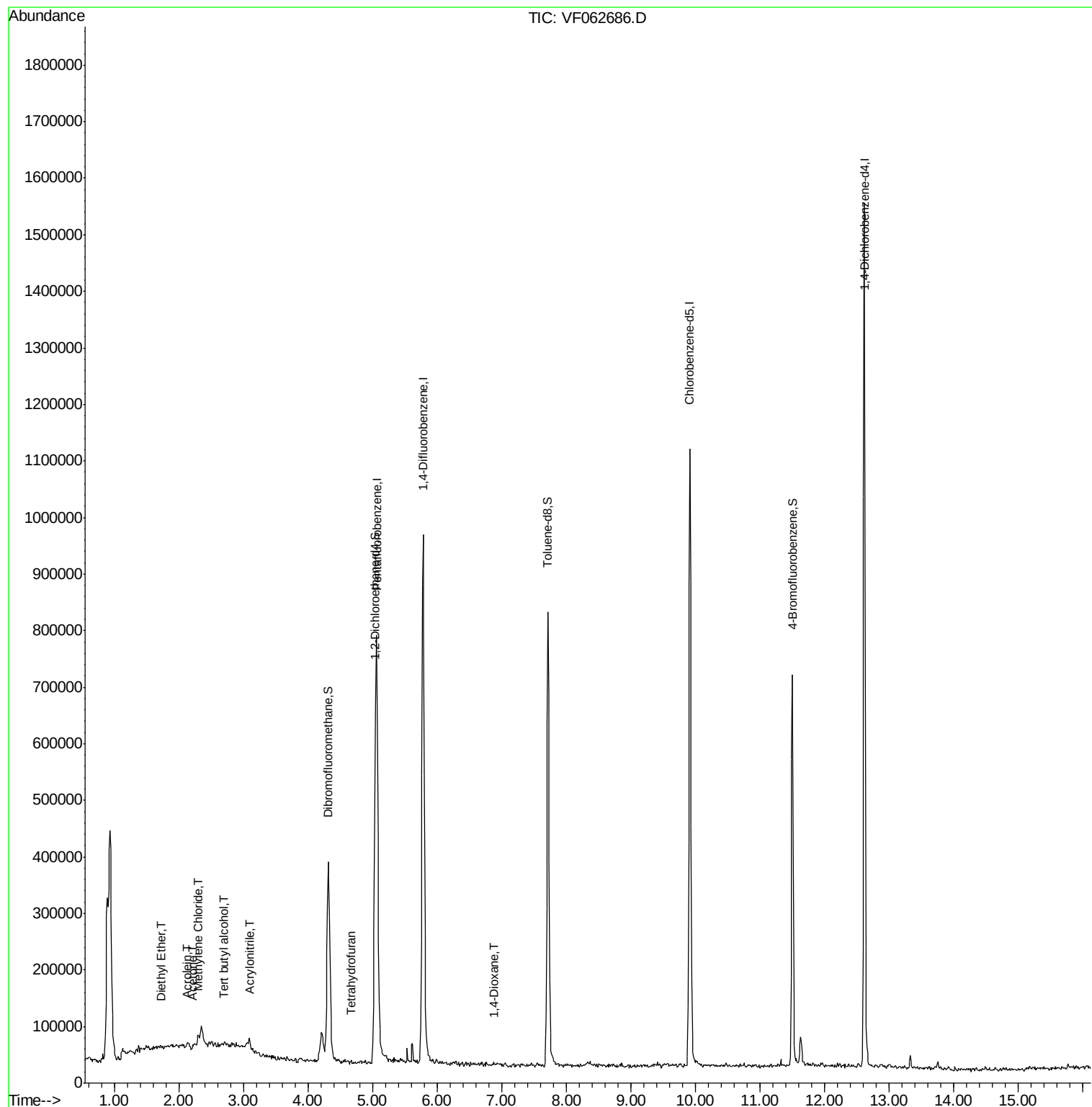
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	2593	1.152	ug/l	60
11) Tert butyl alcohol	2.69	59	1652	4.828	ug/l #	1
13) Acrolein	2.13	56	1212	3.393	ug/l #	55
15) Acrylonitrile	3.08	53	1031	1.068	ug/l #	72
16) Acetone	2.20	43	3664	2.725	ug/l	90
20) Methylene Chloride	2.29	84	9992	1.483	ug/l	96
29) Tetrahydrofuran	4.67	42	1678	1.444	ug/l	94
49) 1,4-Dioxane	6.88	88	335	7.699	ug/l #	25
59) 2-Hexanone	9.65	43	4131	Below Cal	#	59
74) N-amyl acetate	11.43	43	1003	Below Cal	#	37

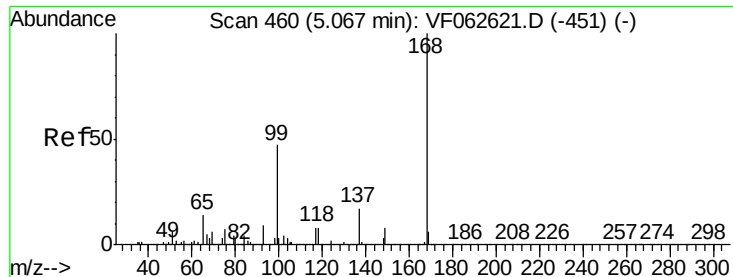
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.00 min

Lab File: VF062686.D

Acq: 21 May 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

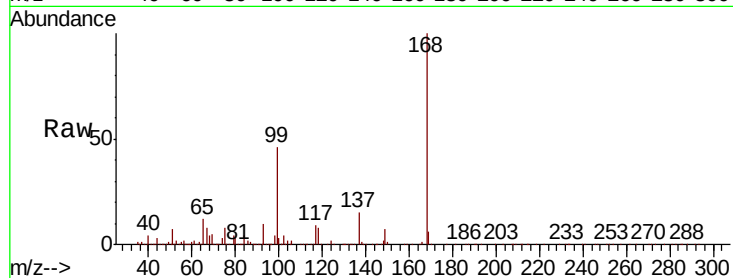
SUP-2A-G-1-052019

Tot Ion:168 Resp: 733386

Ion Ratio Lower Upper

168 100

99 46.5 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

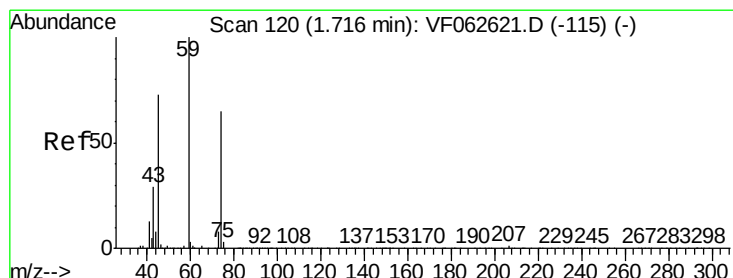
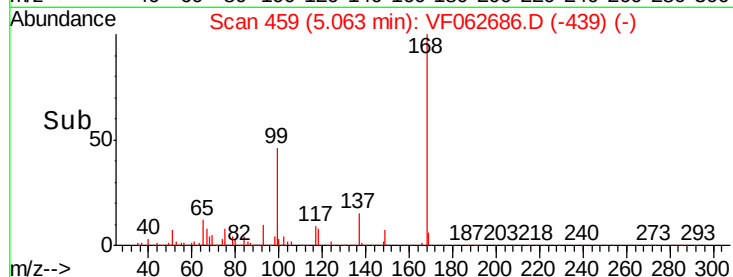
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.152 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF062686.D

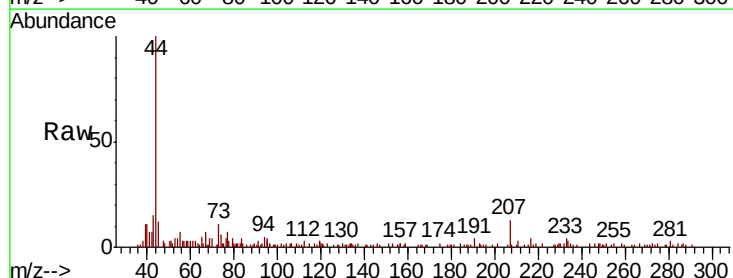
Acq: 21 May 2019 16:43

Tgt Ion: 74 Resp: 2593

Ion Ratio Lower Upper

74 100

45 157.2 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

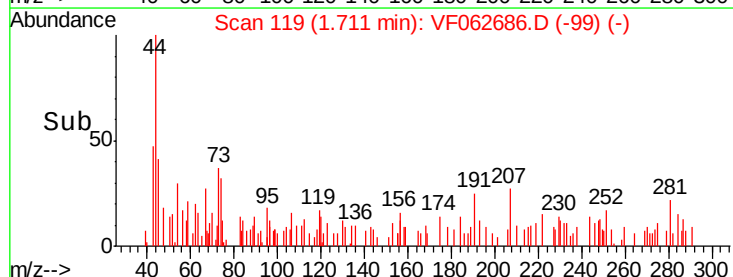
1500

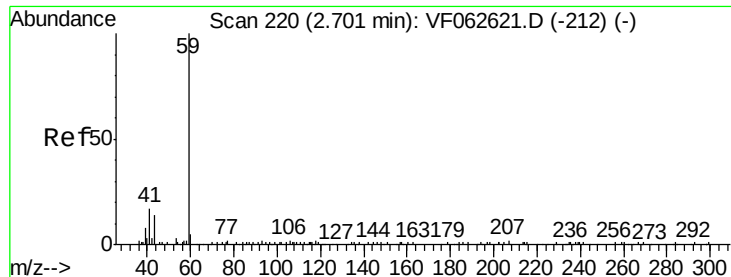
1000

500

0

Time-->



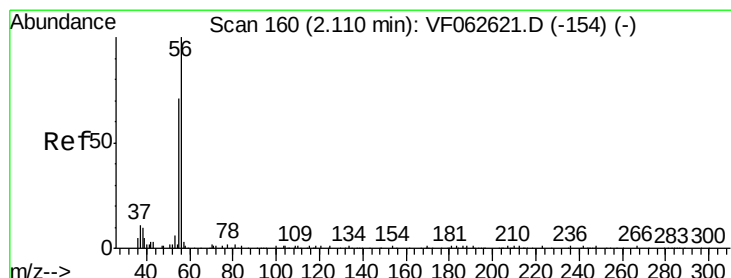
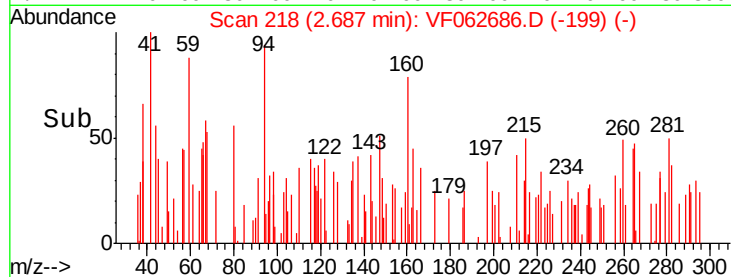
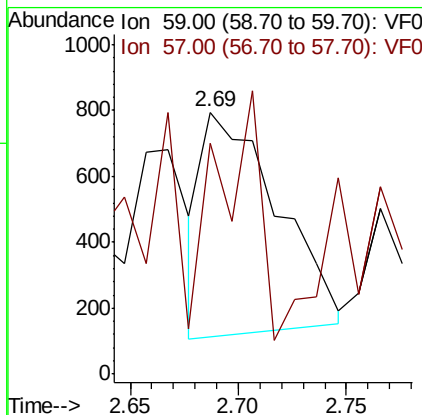
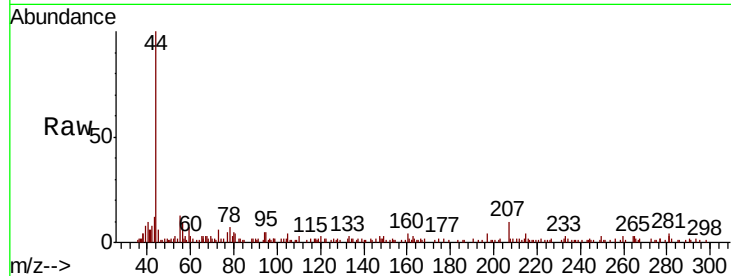


#11

Tert butyl alcohol
Concen: 4.828 ug/l
RT: 2.69 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-1-052019

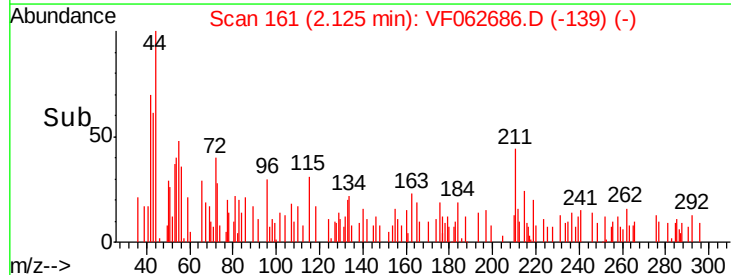
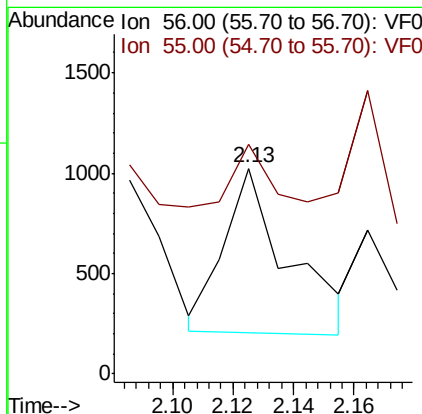
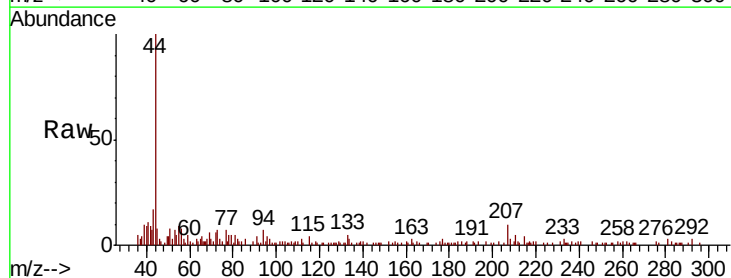
Tot Ion: 59 Resp: 1652
Ion Ratio Lower Upper
59 100
57 88.4 9.3 13.9#

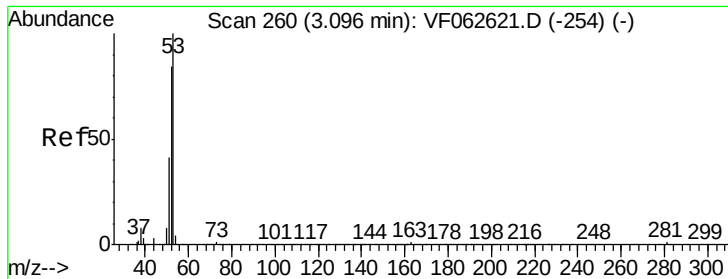


#13

Acrolein
Concen: 3.393 ug/l
RT: 2.13 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

Tgt Ion: 56 Resp: 1212
Ion Ratio Lower Upper
56 100
55 111.9 59.4 89.0#





#15

Acrylonitrile

Concen: 1.068 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062686.D

Acq: 21 May 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-1-052019

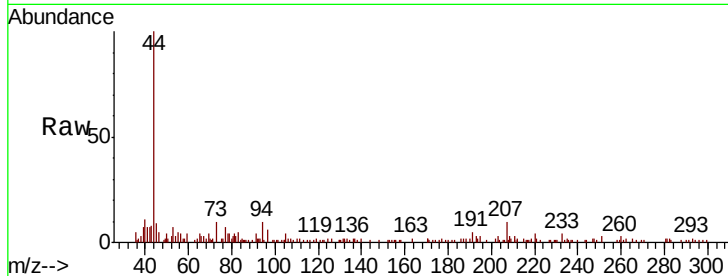
Tot Ion: 53 Resp: 1031

Ion Ratio Lower Upper

53 100

52 49.9 67.3 100.9#

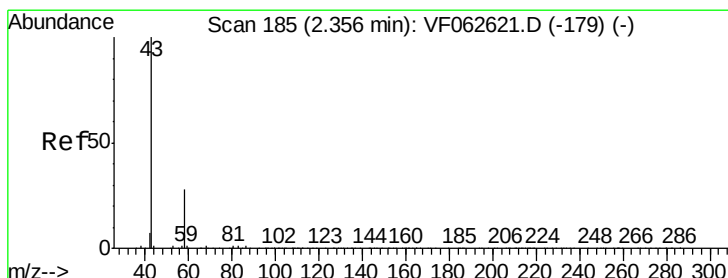
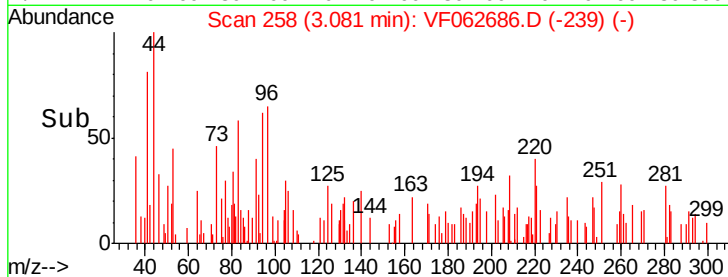
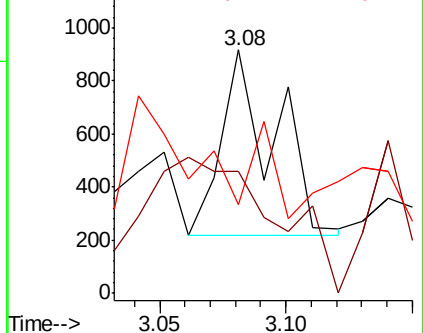
51 36.3 33.0 49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 2.725 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.15 min

Lab File: VF062686.D

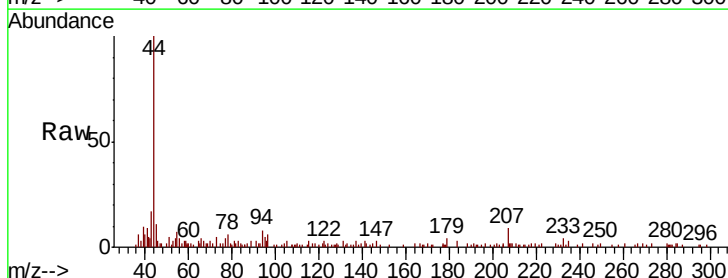
Acq: 21 May 2019 16:43

Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

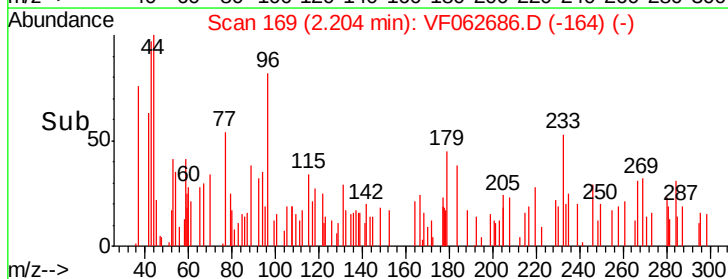
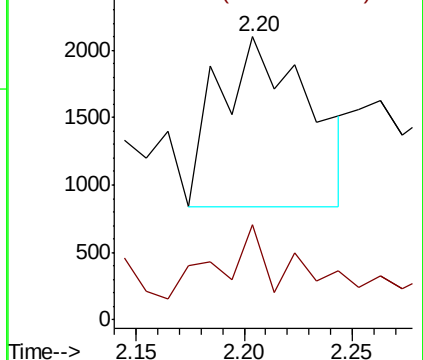
43 100

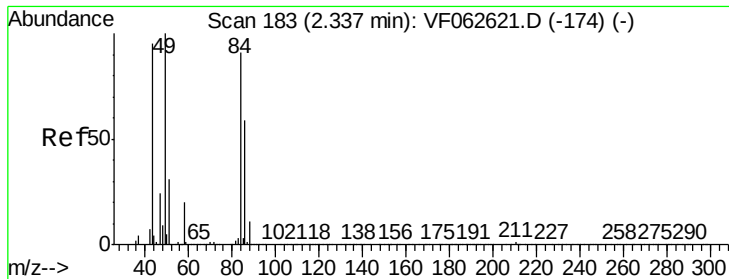
58 33.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

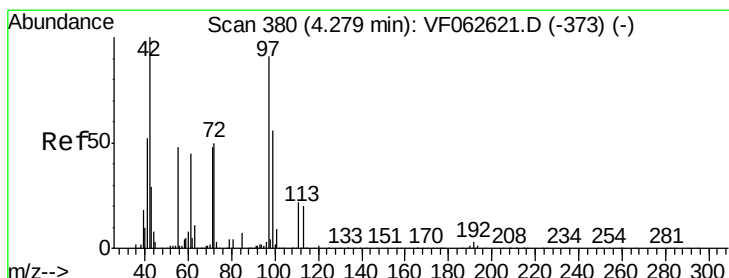
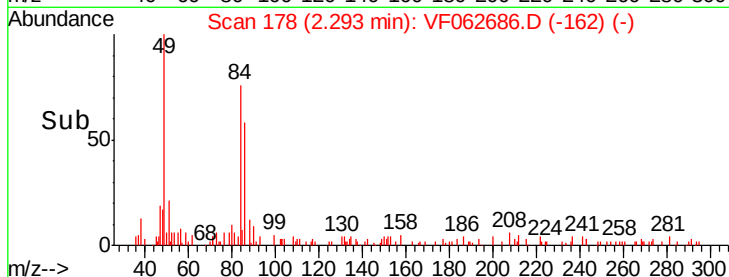
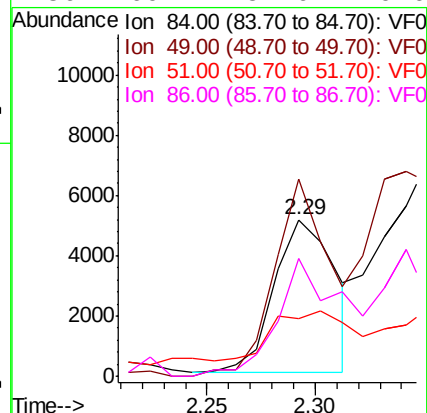
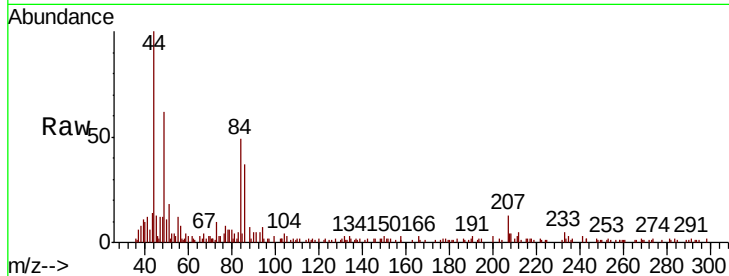




#20
Methvlene Chloride
Concen: 1.483 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.04 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

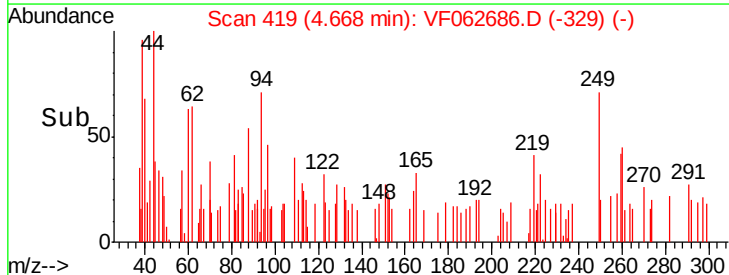
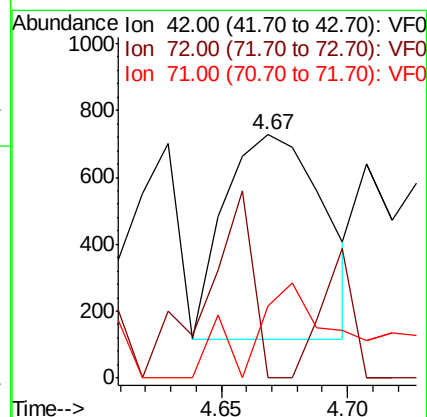
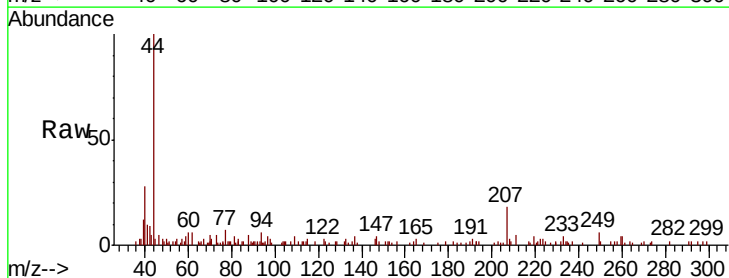
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-1-052019

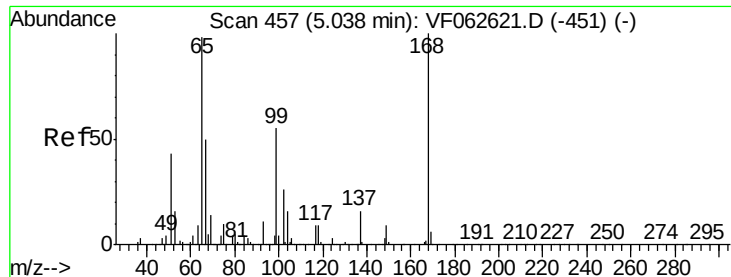
Tot Ion:	84	Resp:	9992
Ion	Ratio	Lower	Upper
84	100		
49	116.0	89.8	134.8
51	33.8	28.4	42.6
86	69.7	52.6	79.0



#29
Tetrahydrofuran
Concen: 1.444 ug/l
RT: 4.67 min Scan# 419
Delta R.T. 0.39 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

Tgt Ion:	42	Resp:	1678
Ion	Ratio	Lower	Upper
42	100		
72	42.6	38.2	57.2
71	47.9	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 34.850 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF062686.D

Acq: 21 May 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

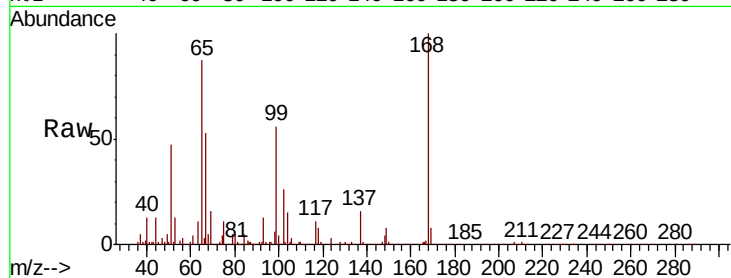
SUP-2A-G-1-052019

Tot Ion: 65 Resp: 180609

Ion Ratio Lower Upper

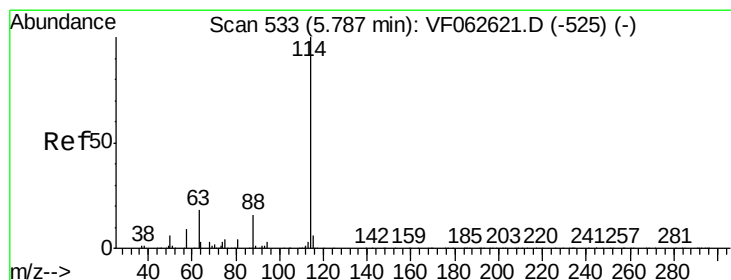
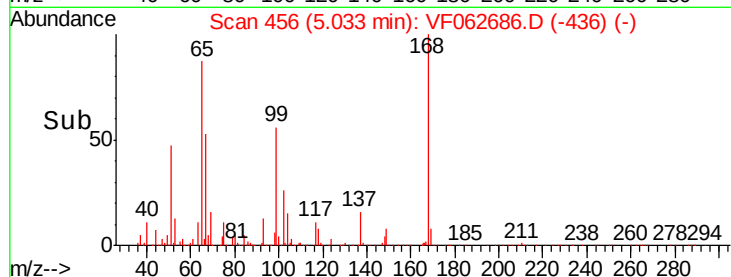
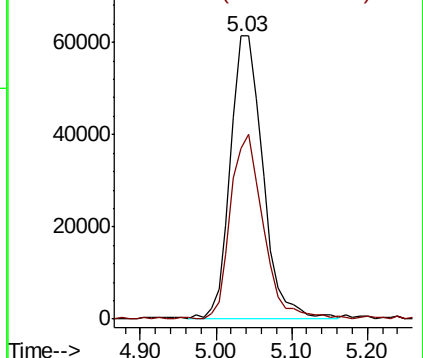
65 100

67 60.4 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062686.D

Acq: 21 May 2019 16:43

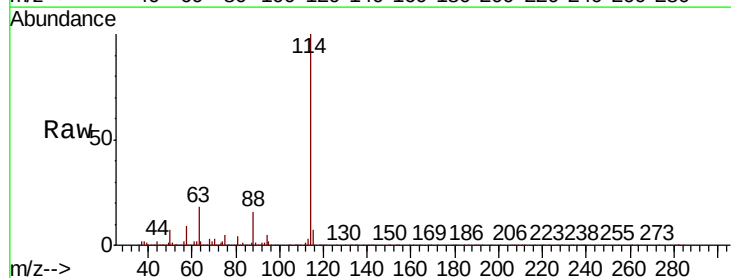
Tgt Ion: 114 Resp: 1199171

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

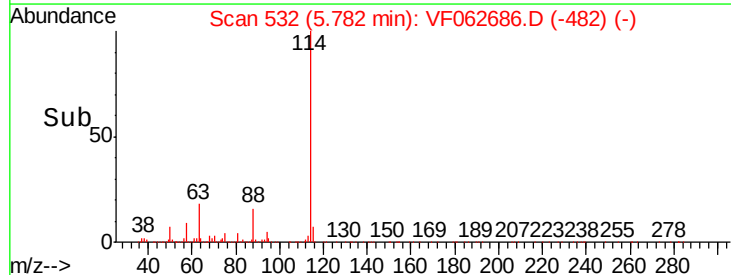
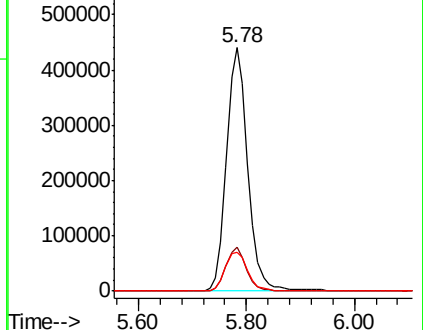
88 16.1 0.0 32.4

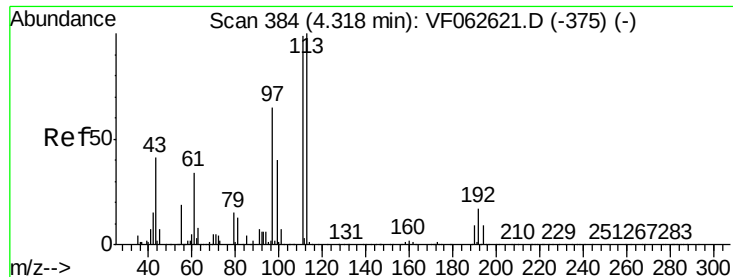


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 40.063 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062686.D

Acq: 21 May 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-1-052019

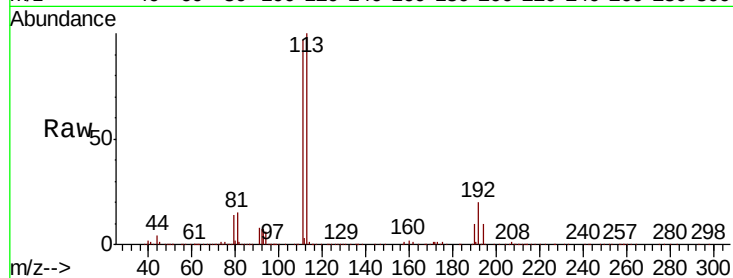
Tot Ion:113 Resp: 367625

Ion Ratio Lower Upper

113 100

111 97.5 79.4 119.2

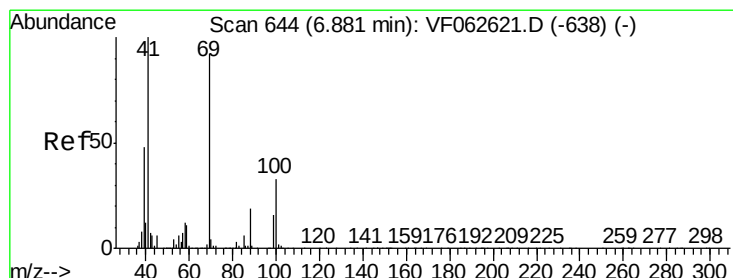
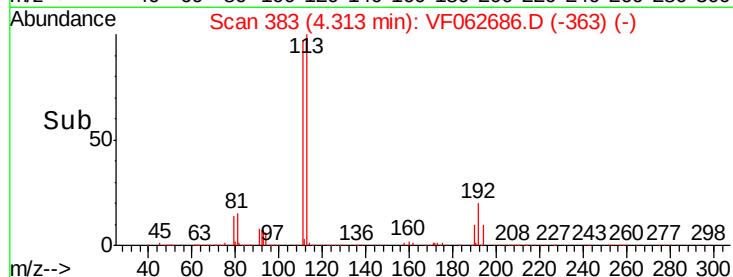
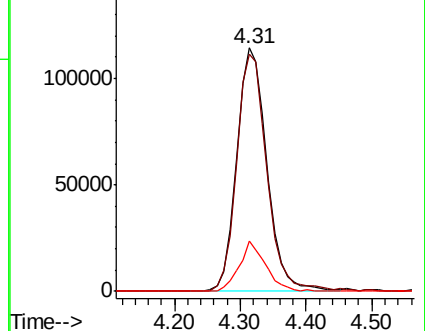
192 20.4 13.4 20.2#



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: 7.699 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062686.D

Acq: 21 May 2019 16:43

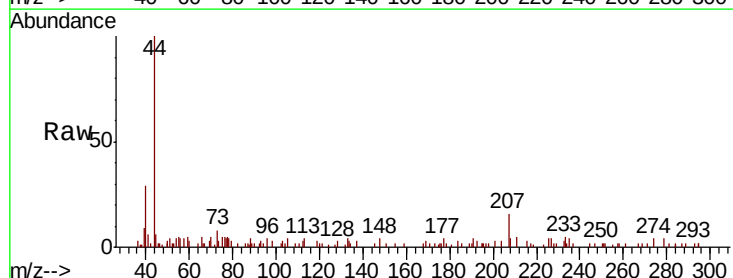
Tgt Ion: 88 Resp: 335

Ion Ratio Lower Upper

88 100

43 0.0 30.0 45.0#

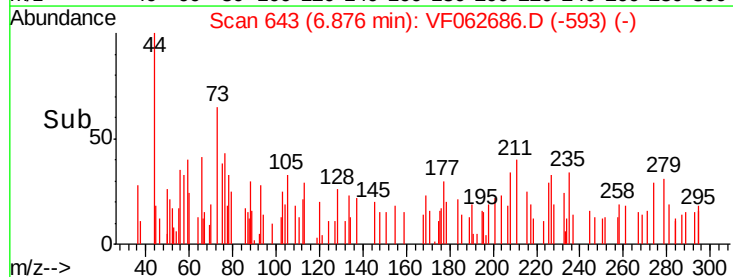
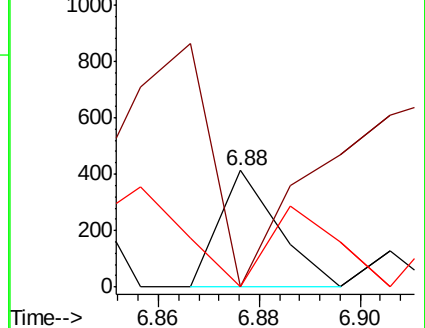
58 0.0 51.1 76.7#

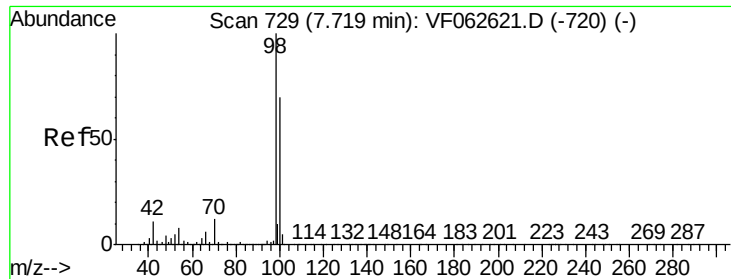


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

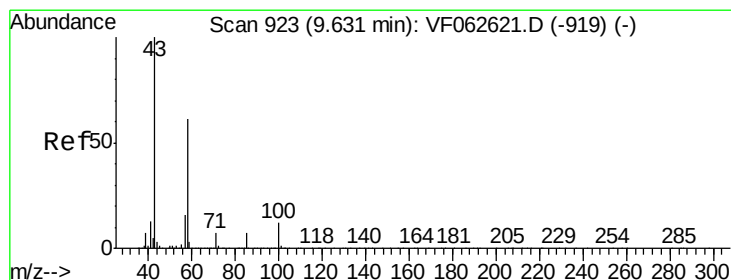
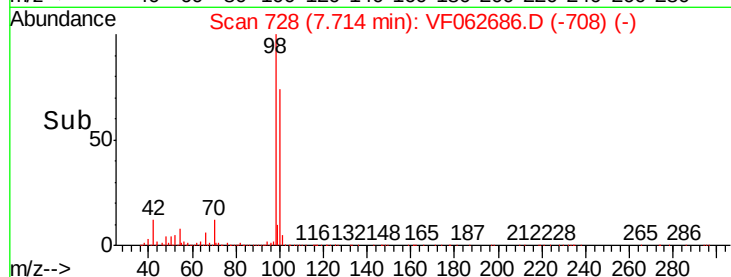
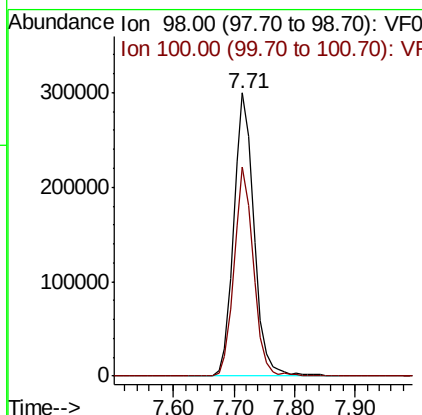
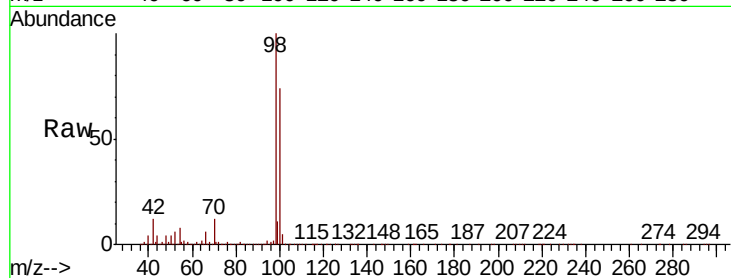




#50
Toluene-d8
Concen: 31.813 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

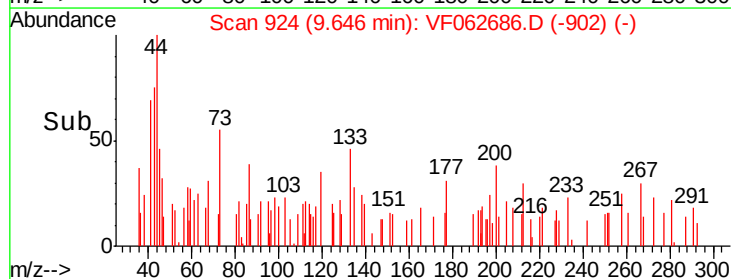
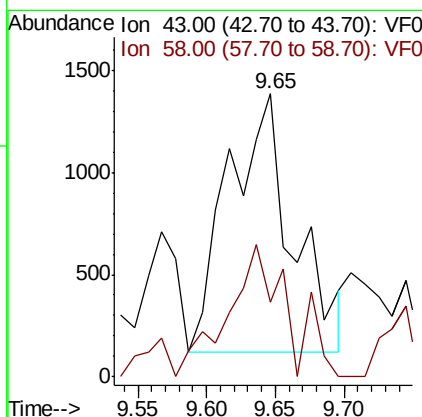
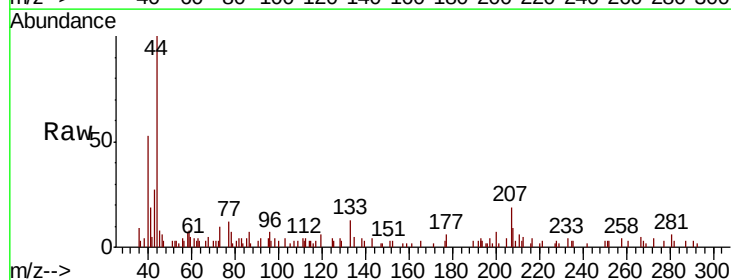
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-1-052019

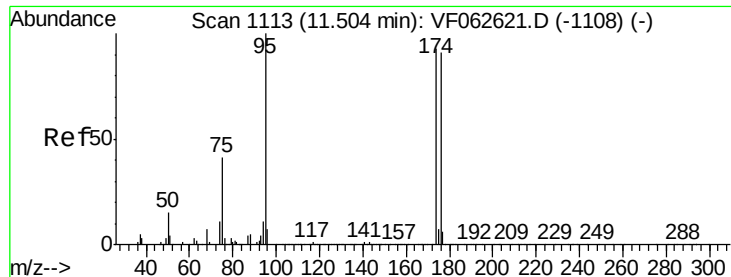
Tot Ion: 98 Resp: 696987
Ion Ratio Lower Upper
98 100
100 73.8 56.2 84.2



#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

Tgt Ion: 43 Resp: 4131
Ion Ratio Lower Upper
43 100
58 26.3 28.1 84.4#

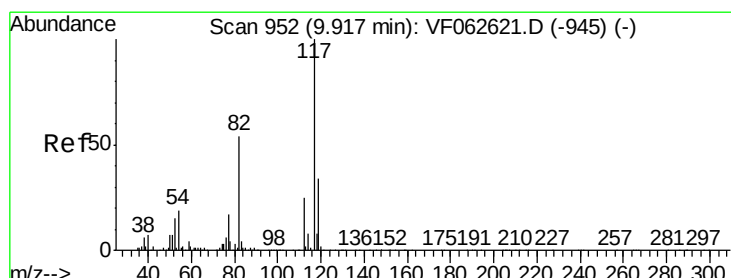
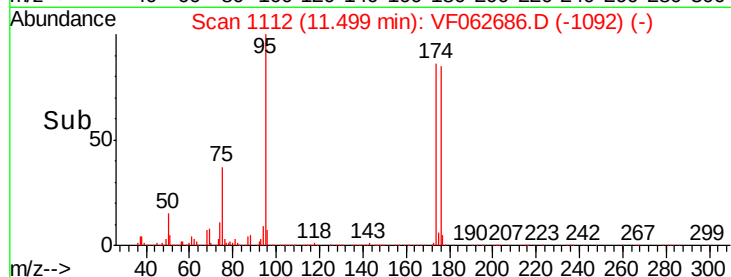
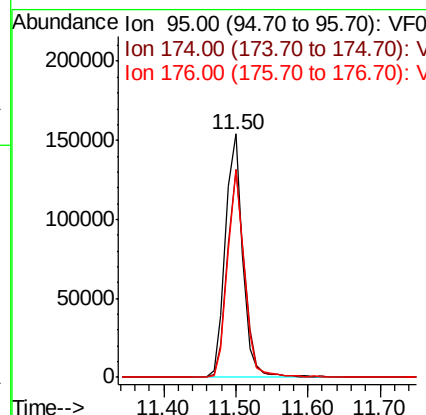
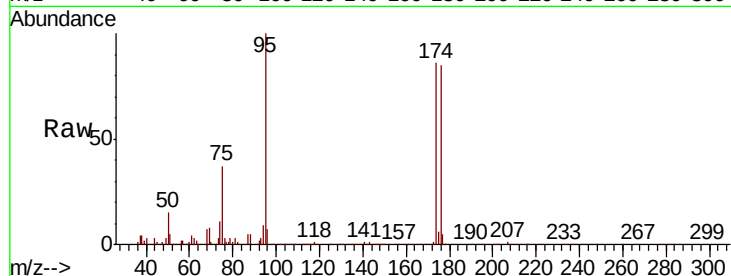




#62
4-Bromofluorobenzene
Concen: 30.829 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

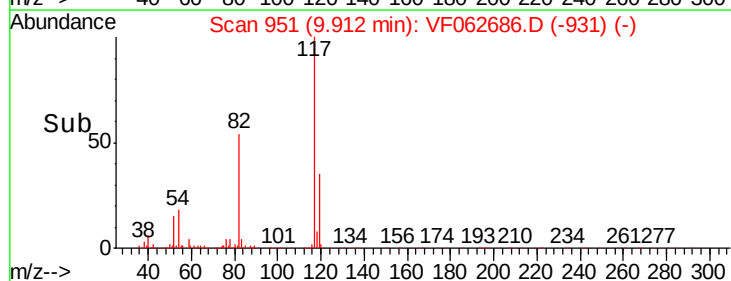
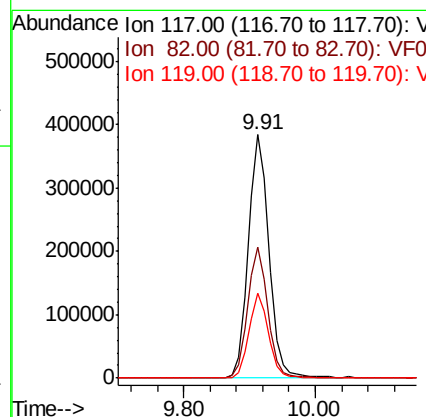
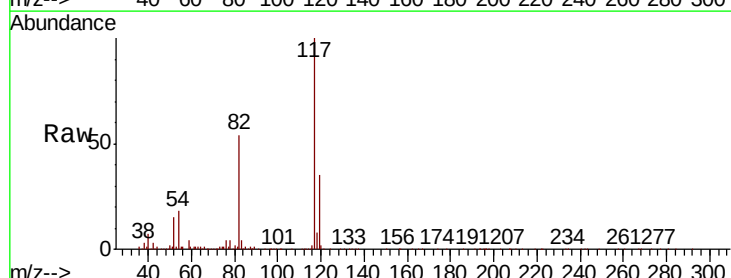
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-1-052019

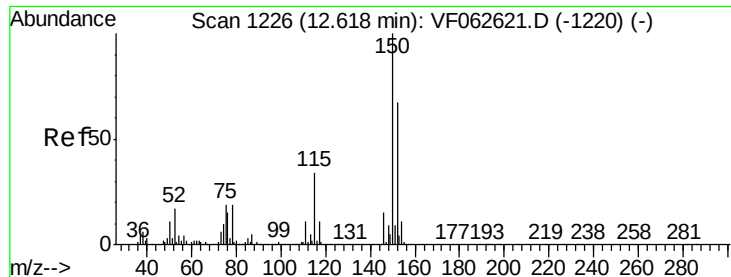
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	185.6
176	85.3	0.0	182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062686.D
Acq: 21 May 2019 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.3	64.9
119	34.6	27.4	41.0

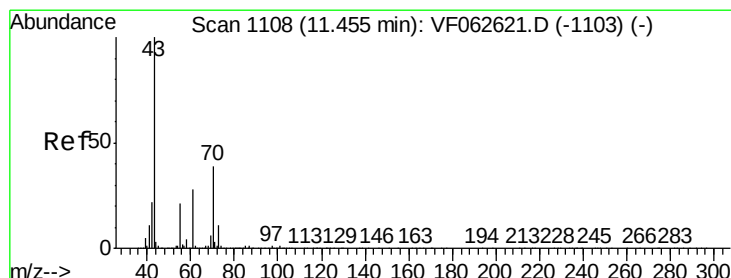
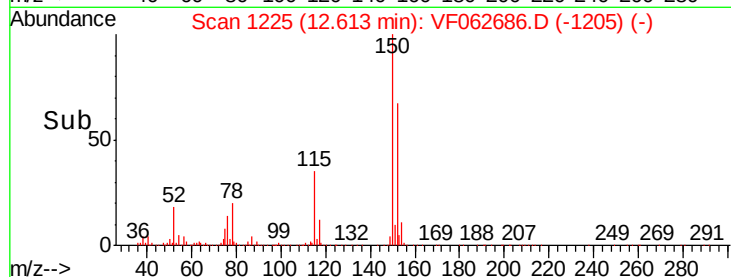
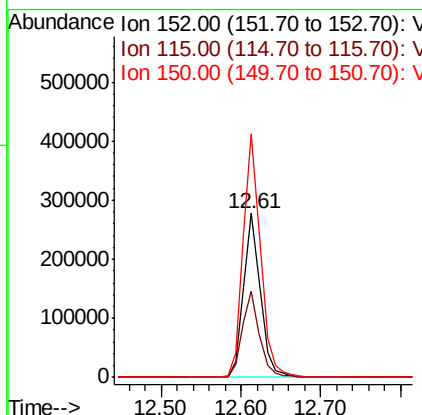
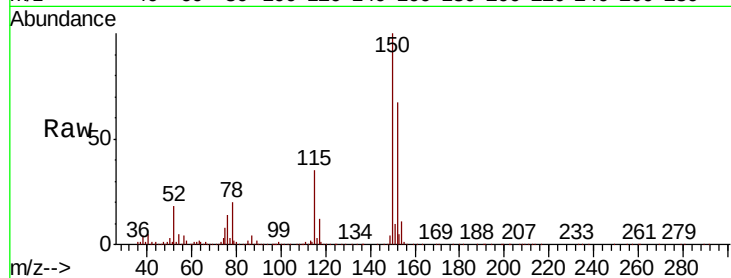




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VF062686.D
 Acq: 21 May 2019 16:43

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-1-052019

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.3	25.2	75.6
150	148.3	0.0	306.2



#74
 N-ethyl acetate
 Concen: Below Cal
 RT: 11.43 min Scan# 1105
 Delta R.T. -0.02 min
 Lab File: VF062686.D
 Acq: 21 May 2019 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	55.5	17.0	25.4#
61	0.0	22.6	34.0#

