

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062689.D
 Acq On : 21 May 2019 18:07
 Operator : FY/SY
 Sample : K2971-04
 Misc : 5.70g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-4-052019

Quant Time: May 22 03:57:34 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

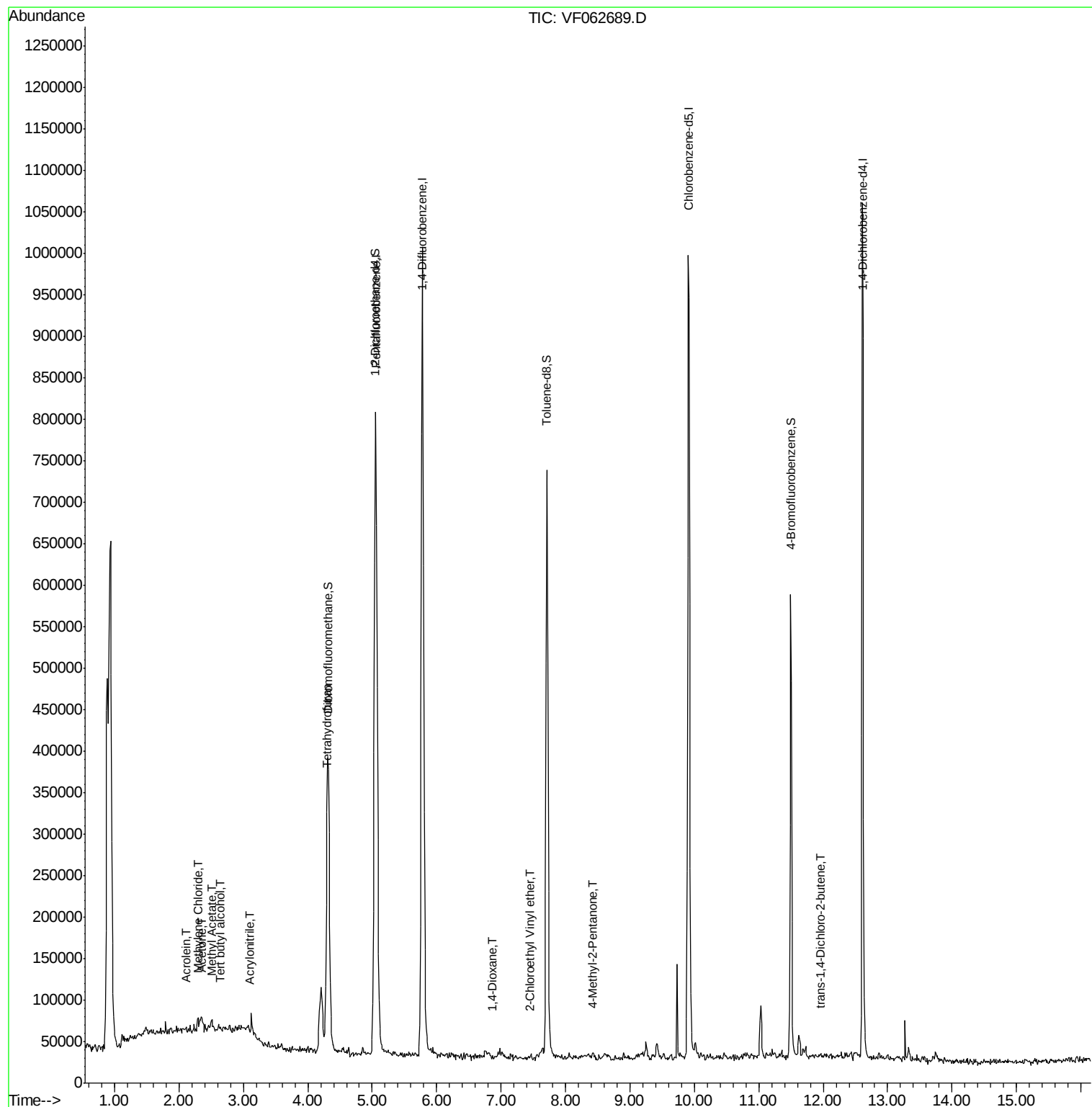
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	761782	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1236961	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	778097	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	285628	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	183312	34.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.10%	
35) Dibromofluoromethane	4.31	113	354676	37.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	74.94%	
50) Toluene-d8	7.71	98	667205	29.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	59.04%	
62) 4-Bromofluorobenzene	11.49	95	208242	24.30	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	48.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.64	59	862	2.425	ug/l #	14
13) Acrolein	2.12	56	865	2.332	ug/l #	62
15) Acrylonitrile	3.10	53	1106	1.103	ug/l #	64
16) Acetone	2.36	43	17197	12.314	ug/l	98
18) Methyl Acetate	2.49	43	5666	2.582	ug/l	94
20) Methylene Chloride	2.30	84	12409	1.773	ug/l	89
29) Tetrahydrofuran	4.29	42	2276	1.885	ug/l #	66
49) 1,4-Dioxane	6.87	88	245	5.458	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	6210	1.355	ug/l #	32
58) 2-Chloroethyl Vinyl ether	7.44	63	3067	1.475	ug/l #	51
59) 2-Hexanone	9.62	43	3325	Below Cal		67
74) N-amyl acetate	11.44	43	2652	Below Cal	#	64
81) trans-1,4-Dichloro-2-buten	11.95	75	1236	1.012	ug/l #	44

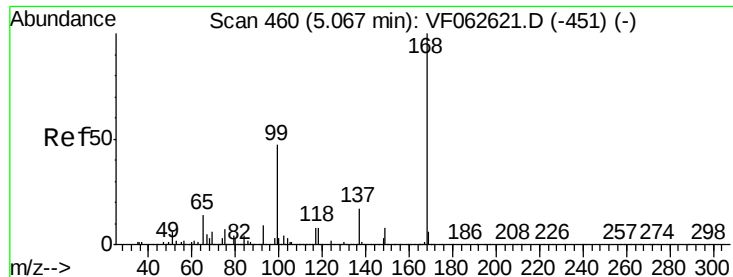
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
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Quant Time: May 22 03:57:34 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: VF062689.D

Acq: 21 May 2019 18:07

Instrument :

MSVOA_F

ClientSampleId :

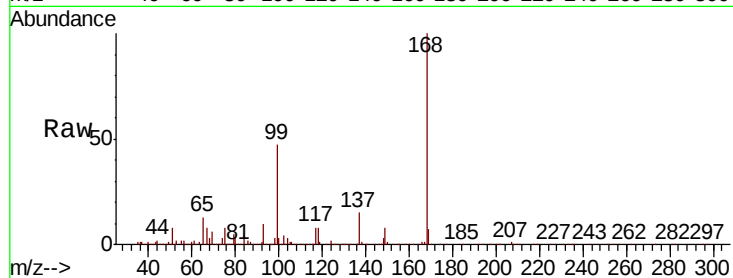
SUP-2A-G-4-052019

Tot Ion:168 Resp: 761782

Ion Ratio Lower Upper

168 100

99 46.7 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

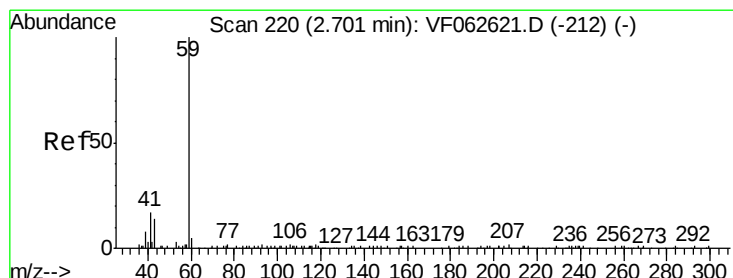
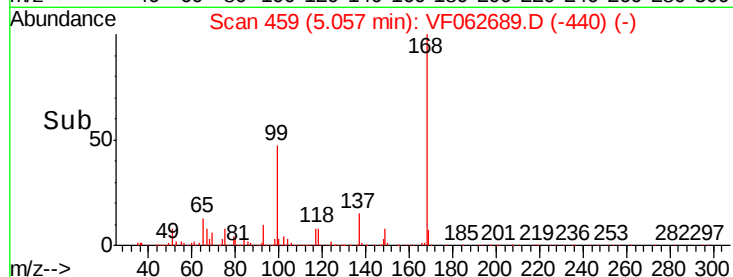
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.425 ug/l

RT: 2.64 min Scan# 214

Delta R.T. -0.06 min

Lab File: VF062689.D

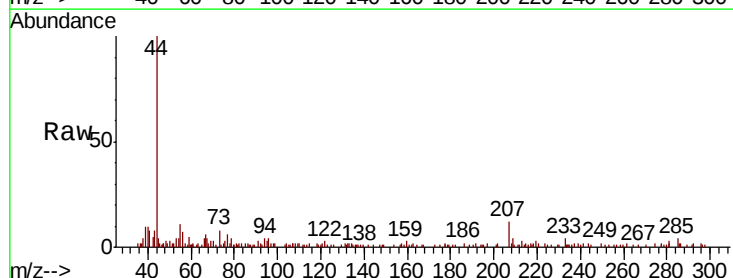
Acq: 21 May 2019 18:07

Tgt Ion: 59 Resp: 862

Ion Ratio Lower Upper

59 100

57 44.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1000

800

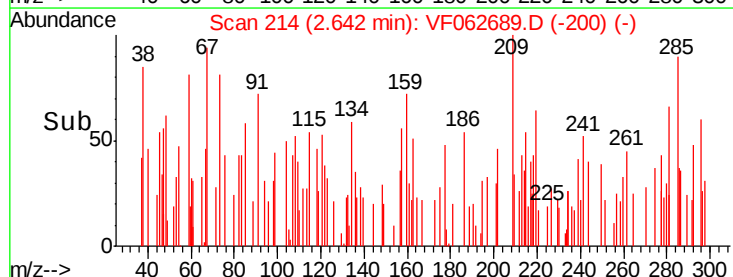
600

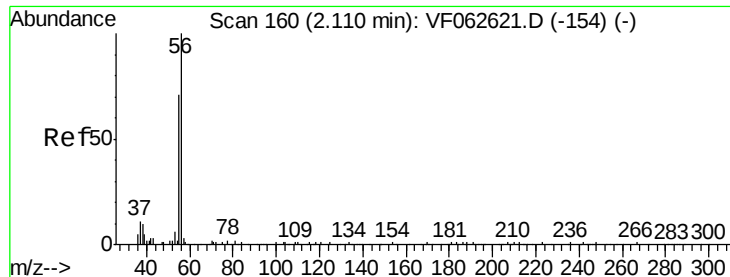
400

200

0

Time-->

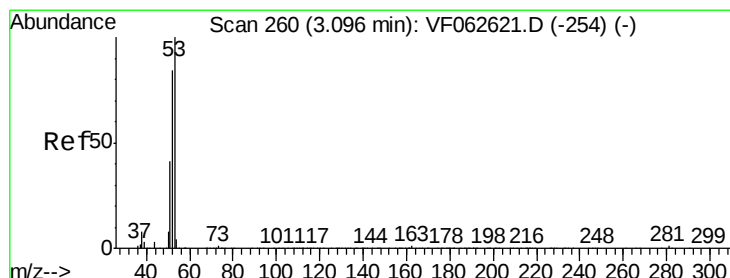
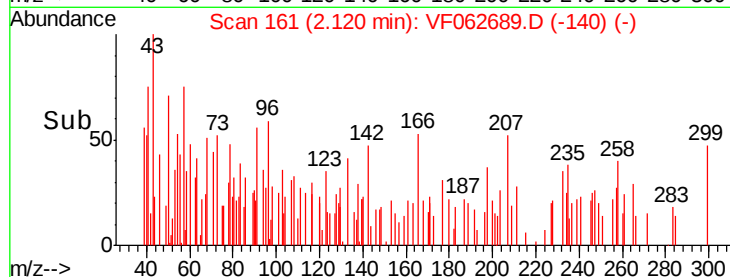
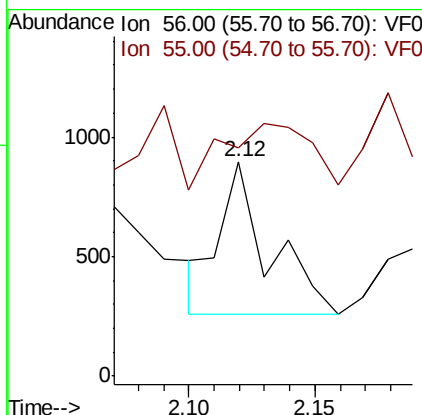
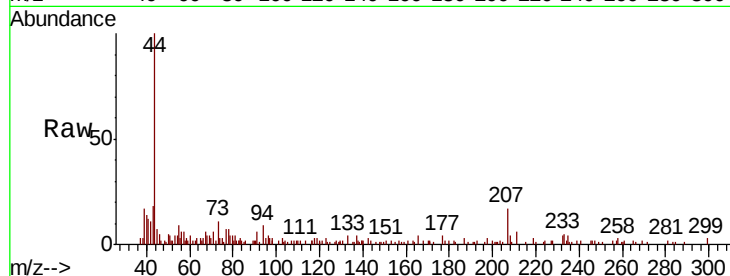




#13
Acrolein
Concen: 2.332 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

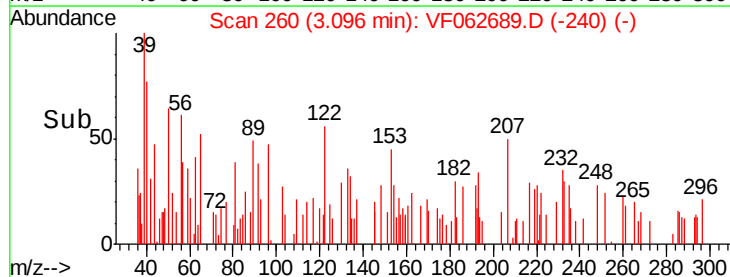
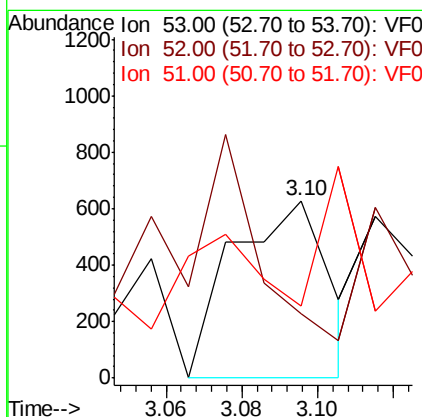
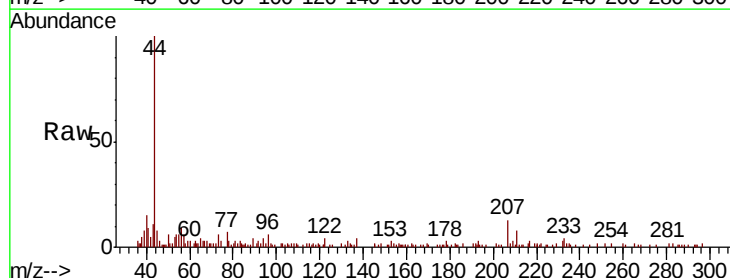
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-4-052019

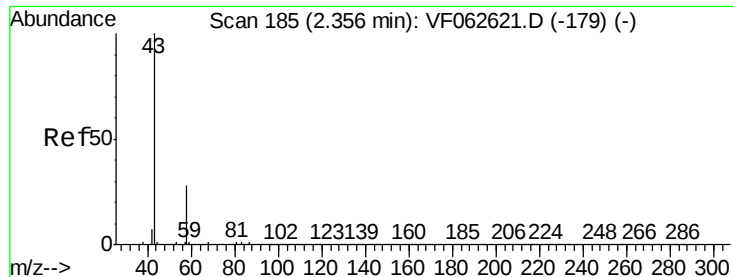
Tot Ion: 56 Resp: 865
Ion Ratio Lower Upper
56 100
55 106.2 59.4 89.0#



#15
Acrylonitrile
Concen: 1.103 ug/l
RT: 3.10 min Scan# 260
Delta R.T. -0.00 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

Tgt Ion: 53 Resp: 1106
Ion Ratio Lower Upper
53 100
52 36.0 67.3 100.9#
51 40.5 33.0 49.6

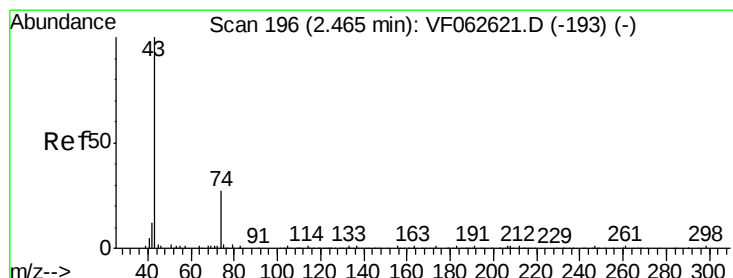
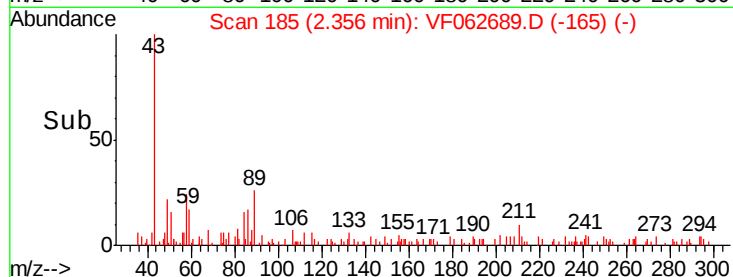
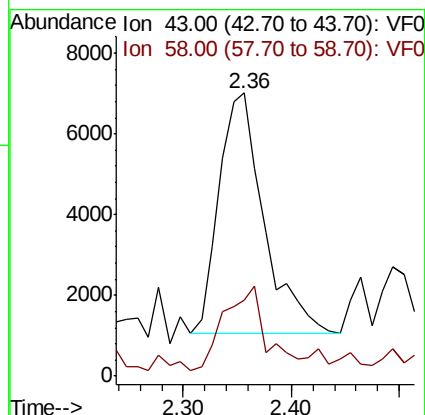
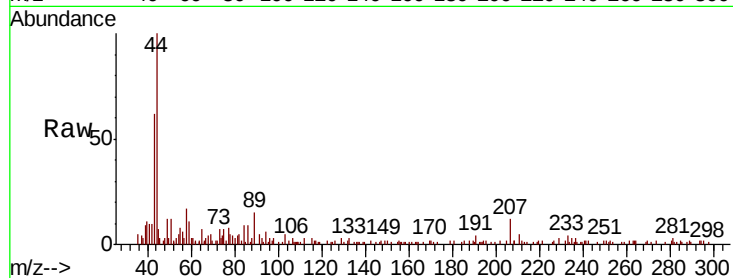




#16
Acetone
Concen: 12.314 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

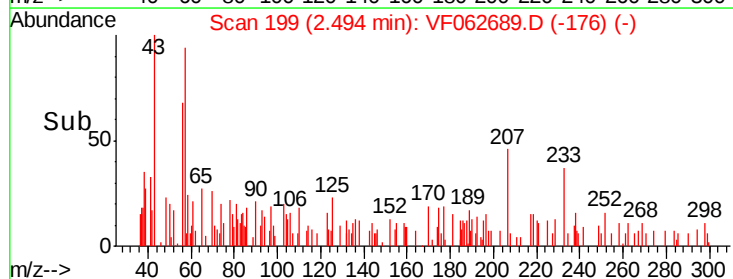
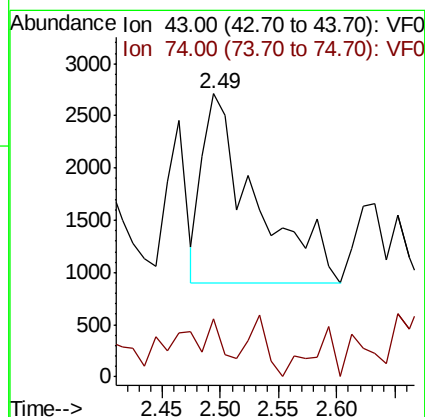
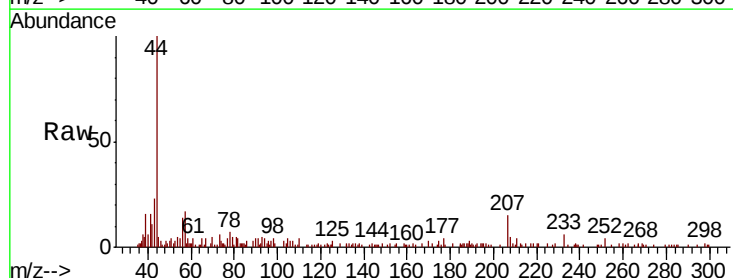
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-4-052019

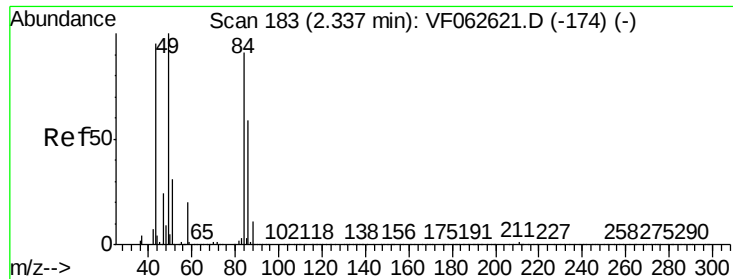
Tot Ion: 43 Resp: 17197
Ion Ratio Lower Upper
43 100
58 27.0 22.6 33.8



#18
Methyl Acetate
Concen: 2.582 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

Tgt Ion: 43 Resp: 5666
Ion Ratio Lower Upper
43 100
74 20.7 18.9 28.3

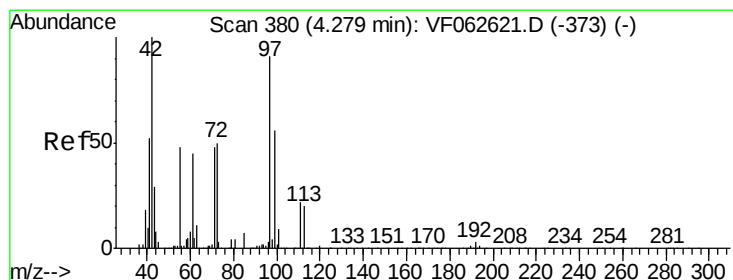
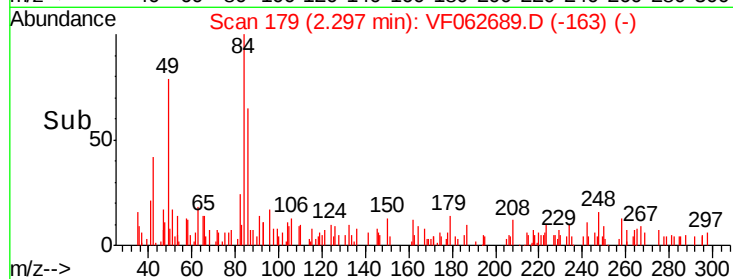
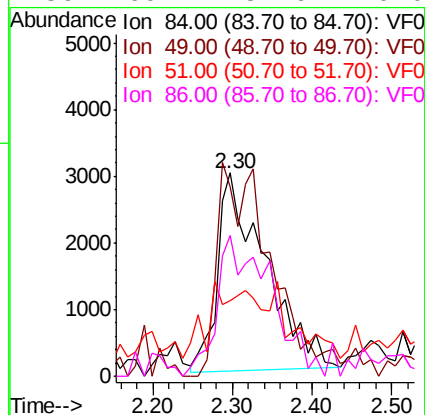
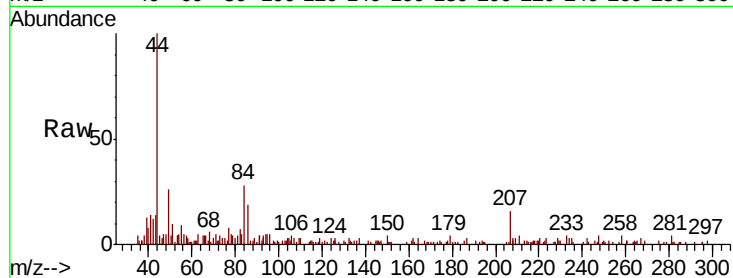




#20
Methvlene Chloride
Concen: 1.773 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

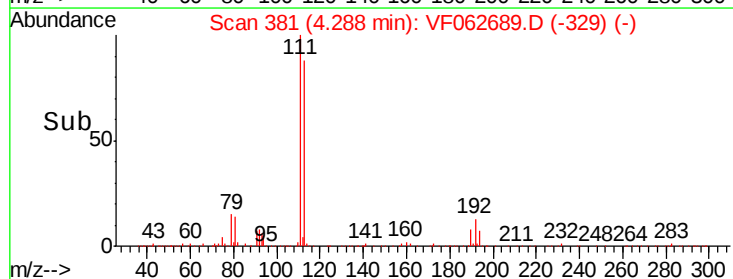
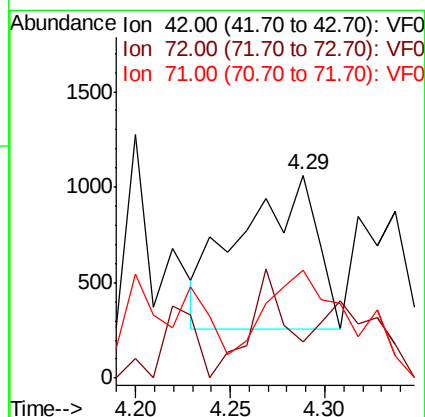
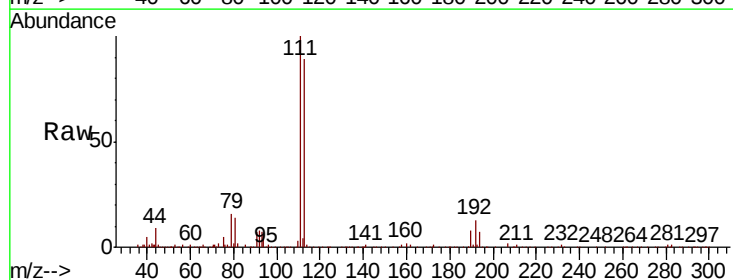
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-4-052019

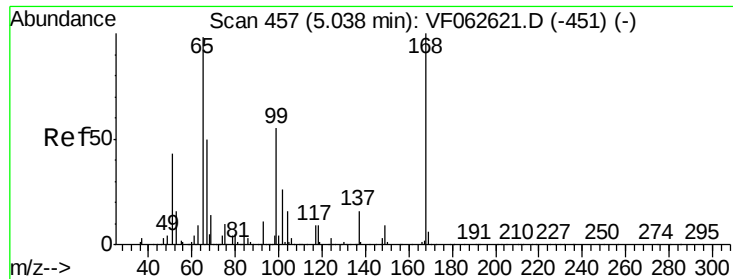
Tot Ion:	84	Resp:	12409
Ion	Ratio	Lower	Upper
84	100		
49	93.5	89.8	134.8
51	37.3	28.4	42.6
86	69.1	52.6	79.0



#29
Tetrahydrofuran
Concen: 1.885 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

Tgt Ion:	42	Resp:	2276
Ion	Ratio	Lower	Upper
42	100		
72	38.4	38.2	57.2
71	81.1	35.8	53.6#





#33

1,2-Dichloroethane-d4

Concen: 34.053 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062689.D

Acq: 21 May 2019 18:07

Instrument :

MSVOA_F

ClientSampleId :

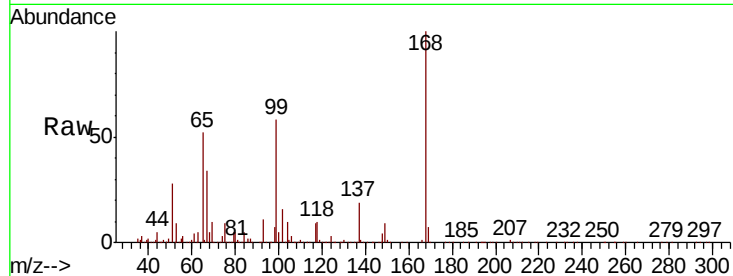
SUP-2A-G-4-052019

Tot Ion: 65 Resp: 183312

Ion Ratio Lower Upper

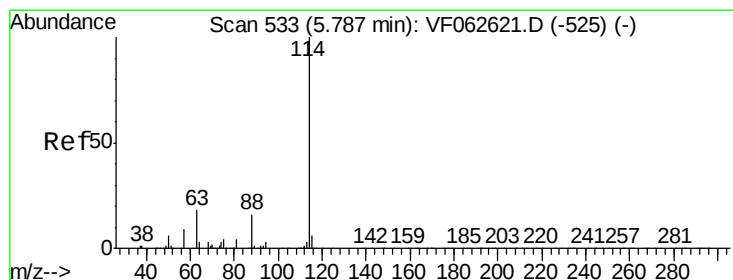
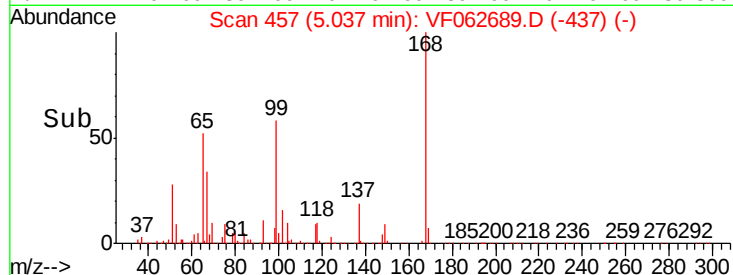
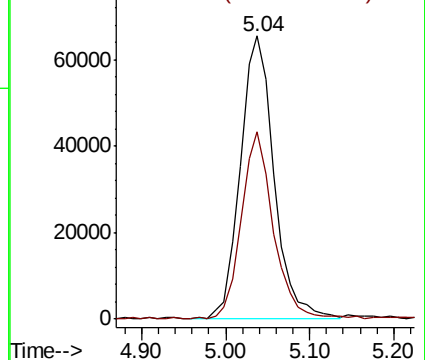
65 100

67 66.2 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. -0.01 min

Lab File: VF062689.D

Acq: 21 May 2019 18:07

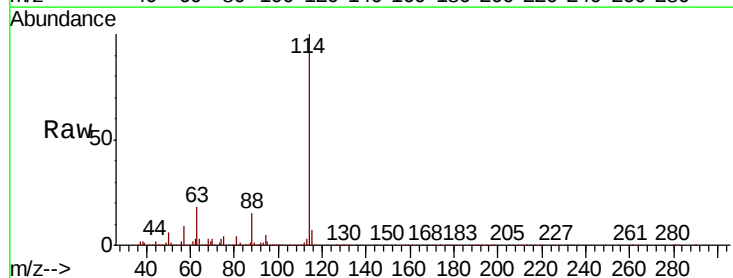
Tgt Ion: 114 Resp: 1236961

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

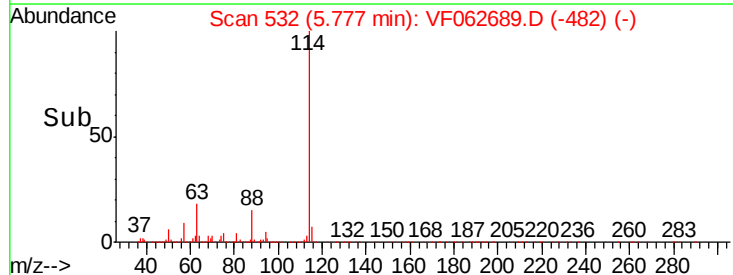
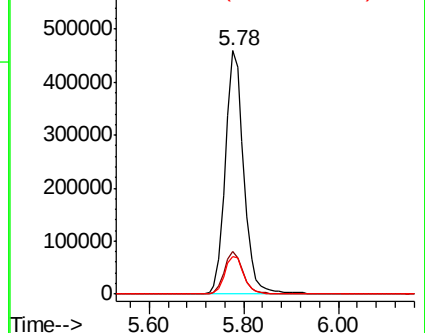
88 15.4 0.0 32.4

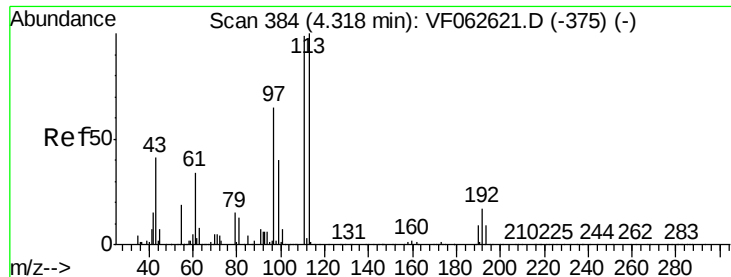


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

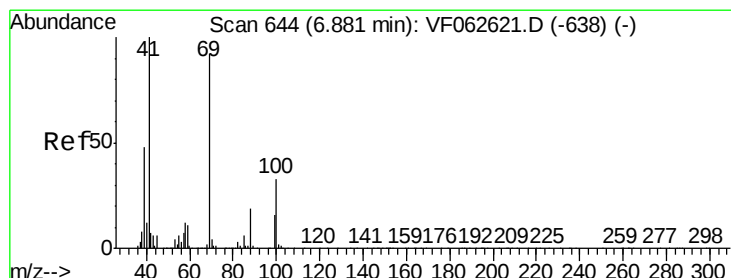
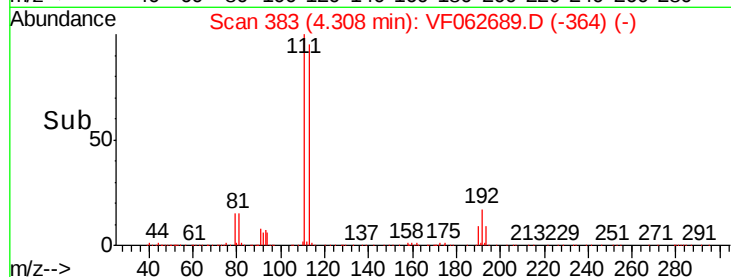
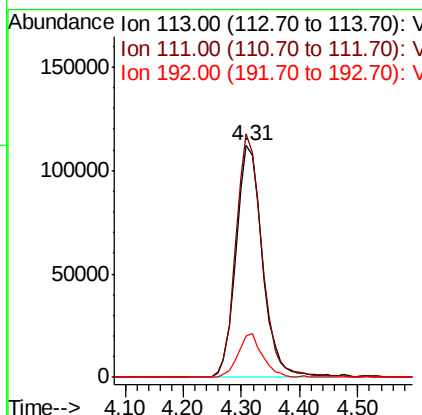
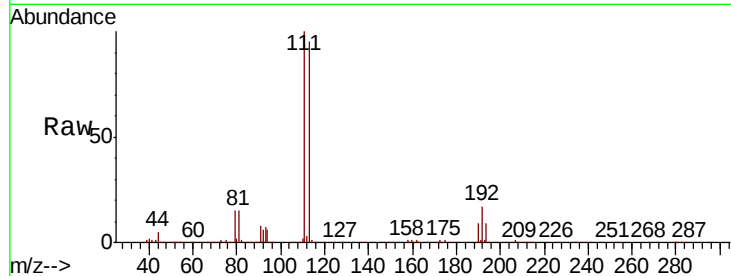




#35
 Dibromofluoromethane
 Concen: 37.471 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062689.D
 Acq: 21 May 2019 18:07

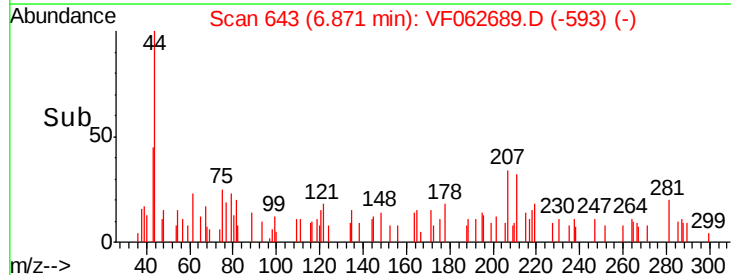
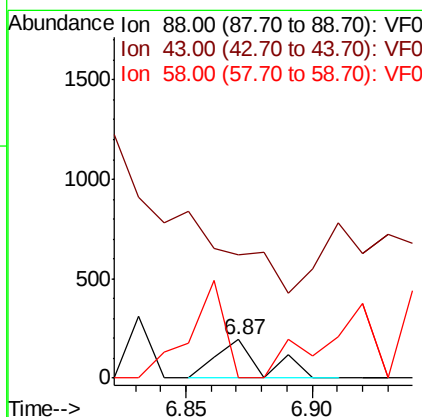
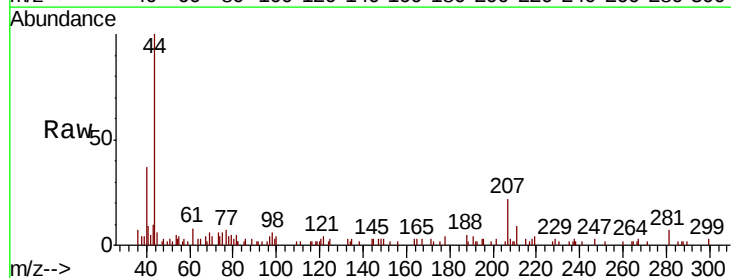
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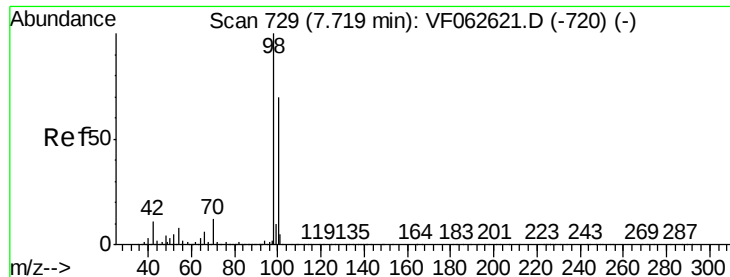
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	79.4	119.2
192	17.8	13.4	20.2



#49
 1,4-Dioxane
 Concen: 5.458 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF062689.D
 Acq: 21 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
88	100		
43	318.6	30.0	45.0#
58	0.0	51.1	76.7#





#50

Toluene-d8

Concen: 29.523 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062689.D

Acq: 21 May 2019 18:07

Instrument :

MSVOA_F

ClientSampleId :

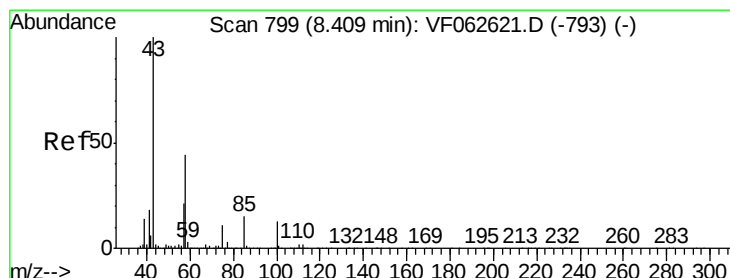
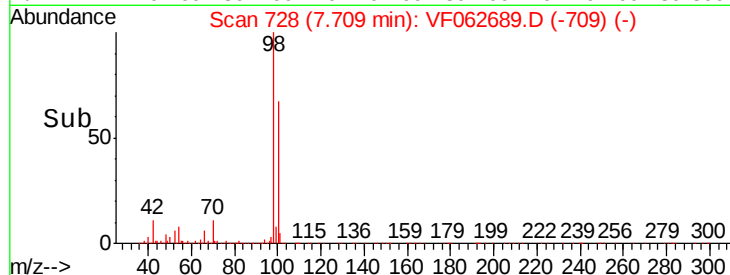
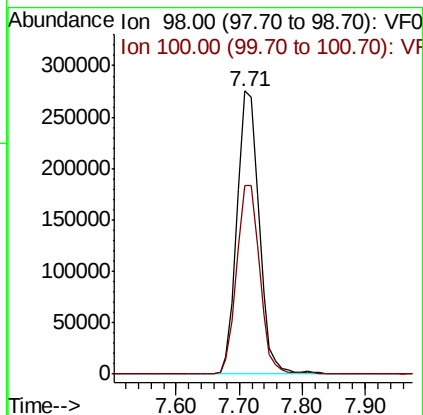
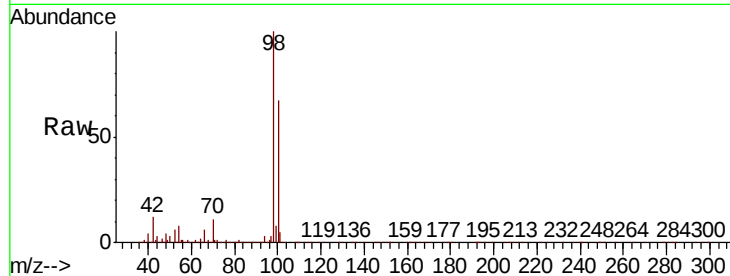
SUP-2A-G-4-052019

Tot Ion: 98 Resp: 667205

Ion Ratio Lower Upper

98 100

100 66.6 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 1.355 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062689.D

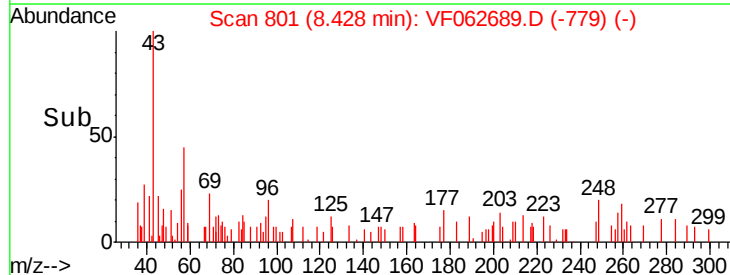
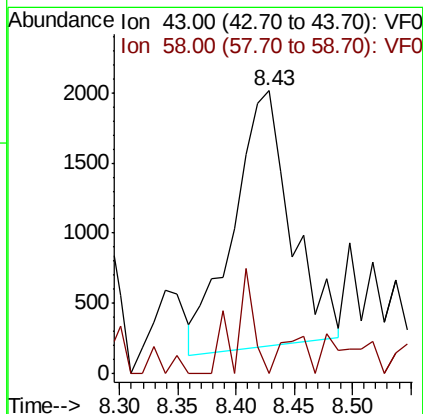
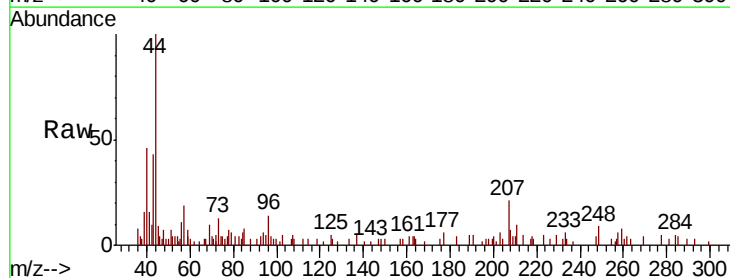
Acq: 21 May 2019 18:07

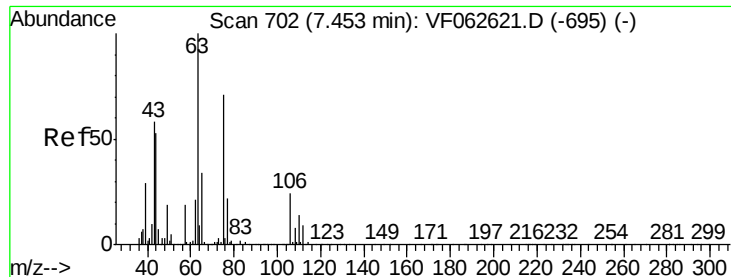
Tgt Ion: 43 Resp: 6210

Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#

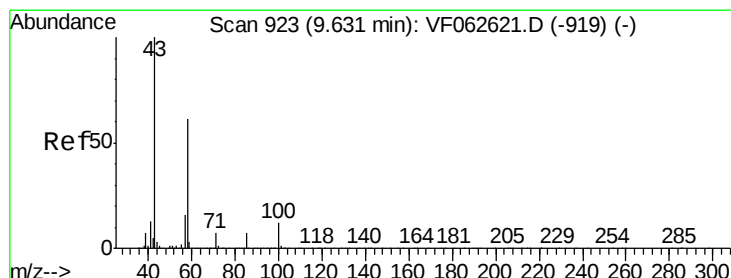
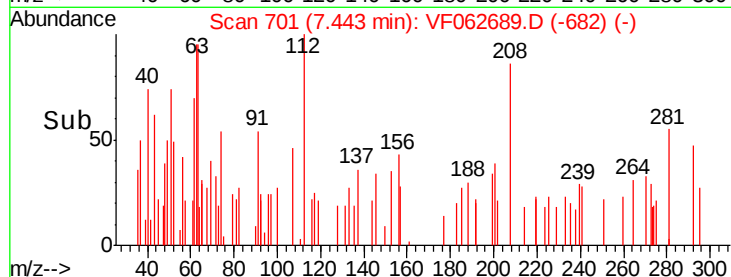
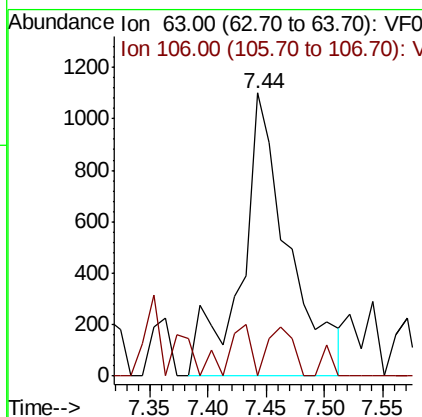
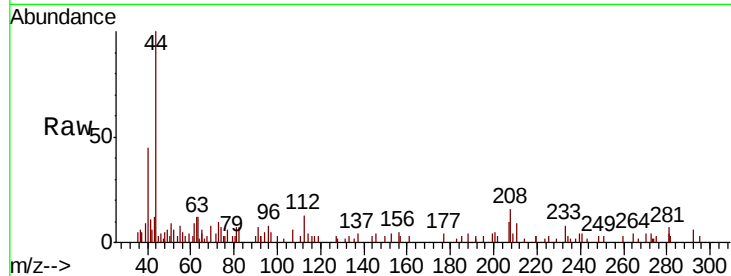




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.475 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.01 min
 Lab File: VF062689.D
 Acq: 21 May 2019 18:07

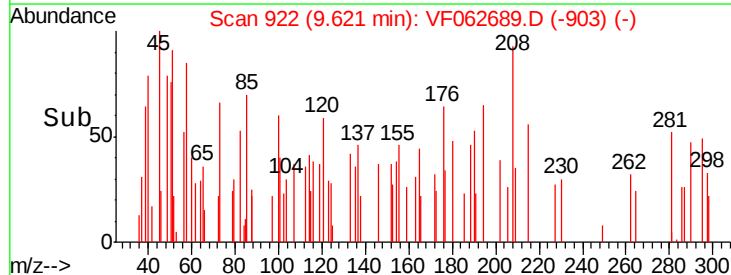
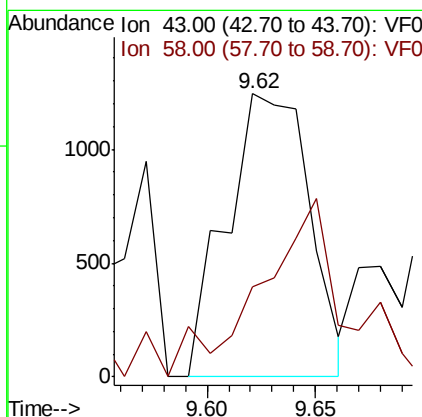
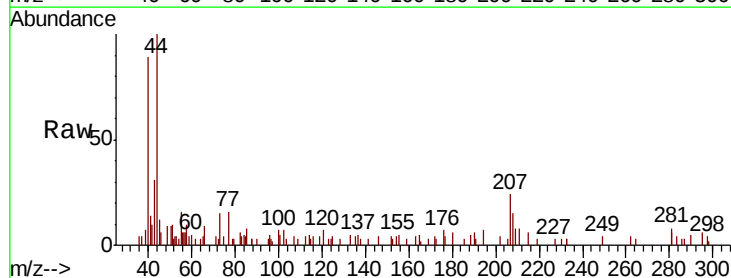
Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-4-052019

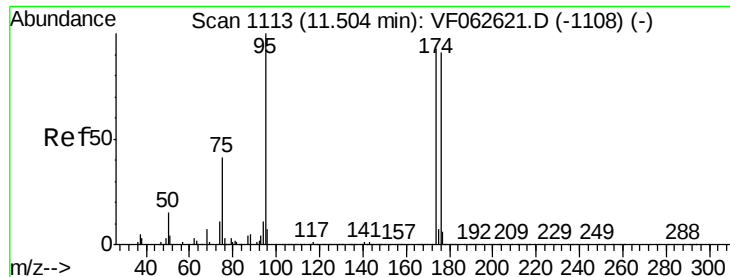
Tot Ion: 63 Resp: 3067
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.1 28.7#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.62 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VF062689.D
 Acq: 21 May 2019 18:07

Tgt Ion: 43 Resp: 3325
 Ion Ratio Lower Upper
 43 100
 58 32.0 28.1 84.4

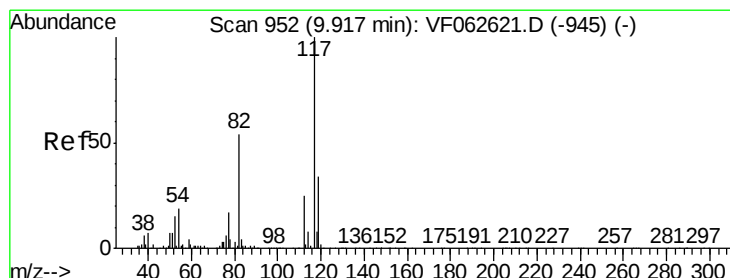
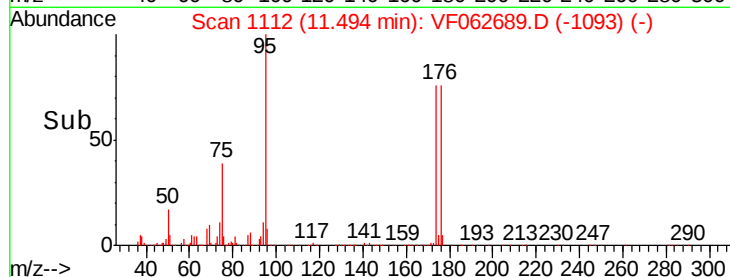
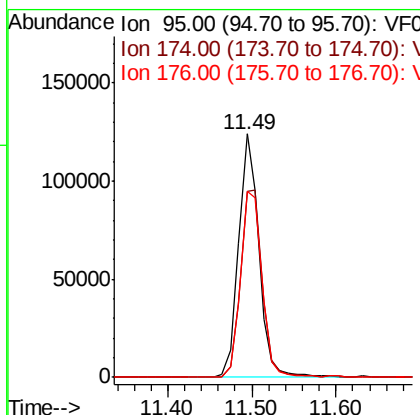
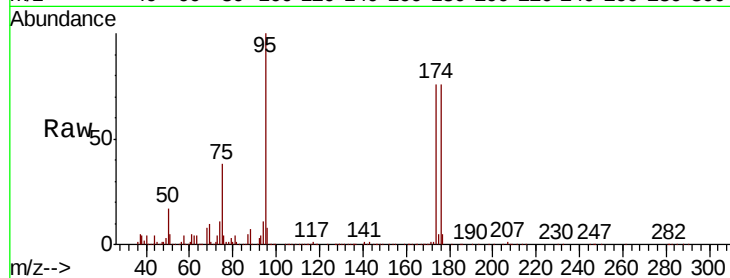




#62
4-Bromofluorobenzene
Concen: 24.295 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

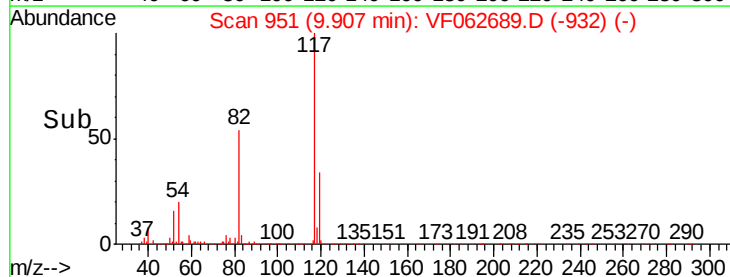
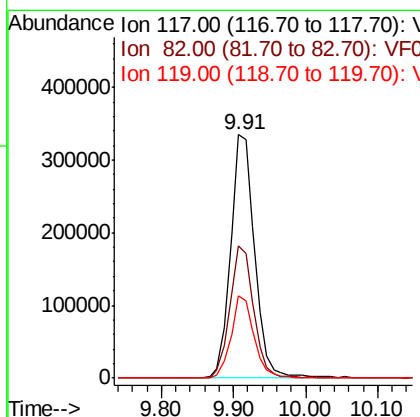
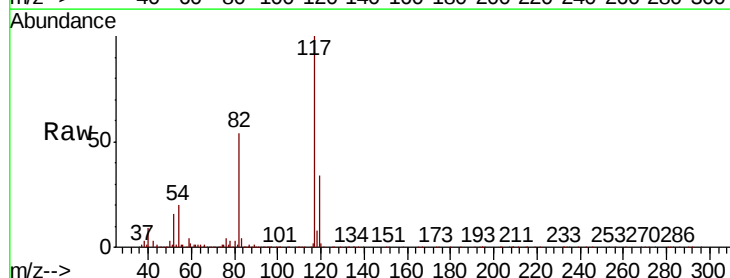
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-4-052019

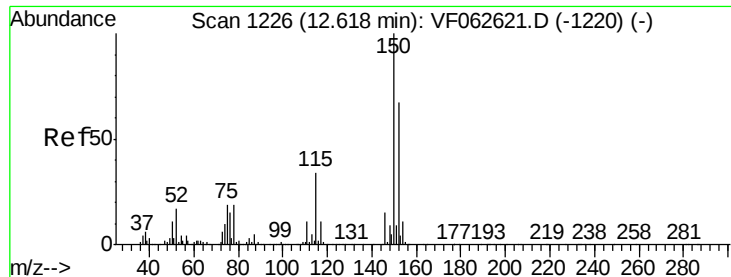
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	185.6
176	76.1	0.0	182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.3	64.9
119	34.0	27.4	41.0



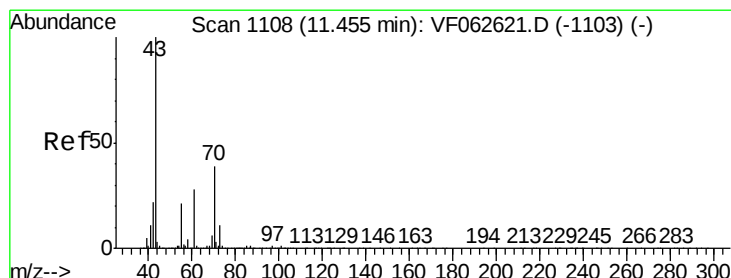
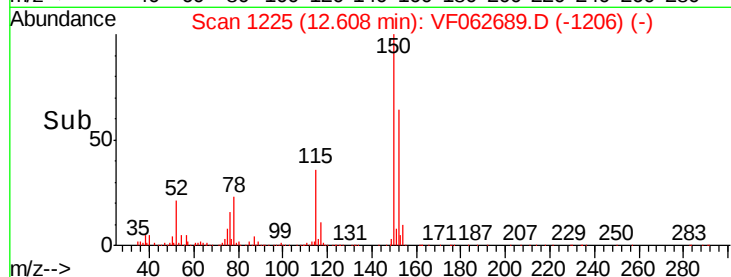
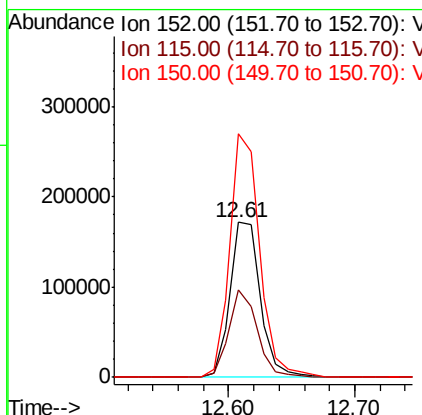
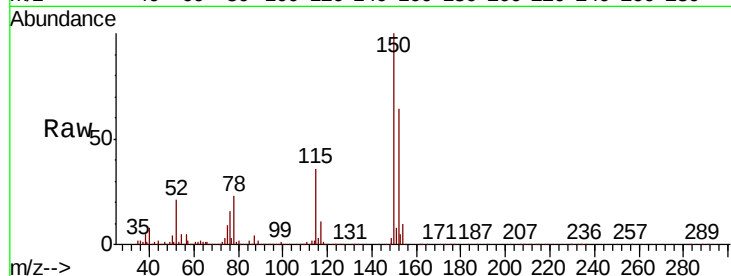


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-4-052019

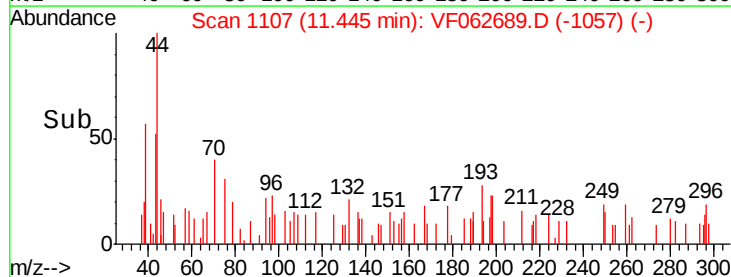
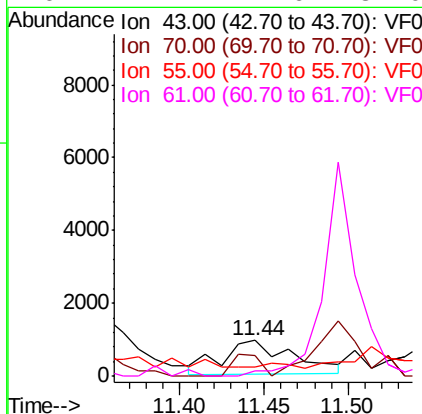
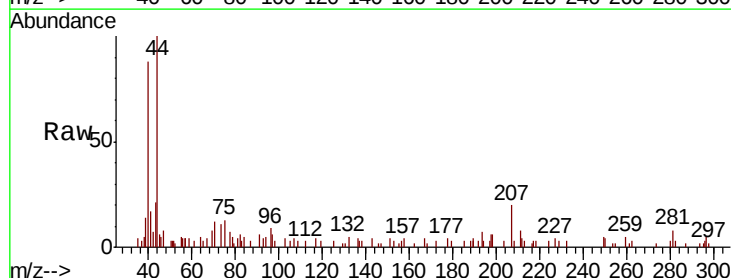
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.4	25.2	75.6
150	157.0	0.0	306.2

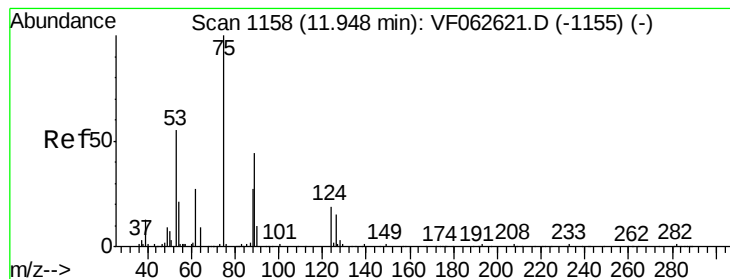


#74

N-amil acetate
Concen: Below Cal
RT: 11.44 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF062689.D
Acq: 21 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	58.1	30.9	46.3#
55	47.3	17.0	25.4#
61	14.1	22.6	34.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 1.012 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062689.D

Acq: 21 May 2019 18:07

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-4-052019

Tot Ion: 75 Resp: 1236

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 27.3 36.4 54.6#

