

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062310.D
 Acq On : 26 Apr 2019 17:26
 Operator : FY/SY
 Sample : K2584-04
 Misc : 5.30g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0419-S-DH-8

Quant Time: Apr 27 00:37:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	339575	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	452037	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	346902	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.64	152	195271	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	175260	63.72	ug/l	0.03
Spiked Amount			Recovery	=	127.44%	
35) Dibromofluoromethane	4.34	113	240969	71.90	ug/l	0.02
Spiked Amount			Recovery	=	143.80%	
50) Toluene-d8	7.74	98	421483	51.48	ug/l	0.02
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.52	95	179265	53.12	ug/l	0.02
Spiked Amount			Recovery	=	106.24%	

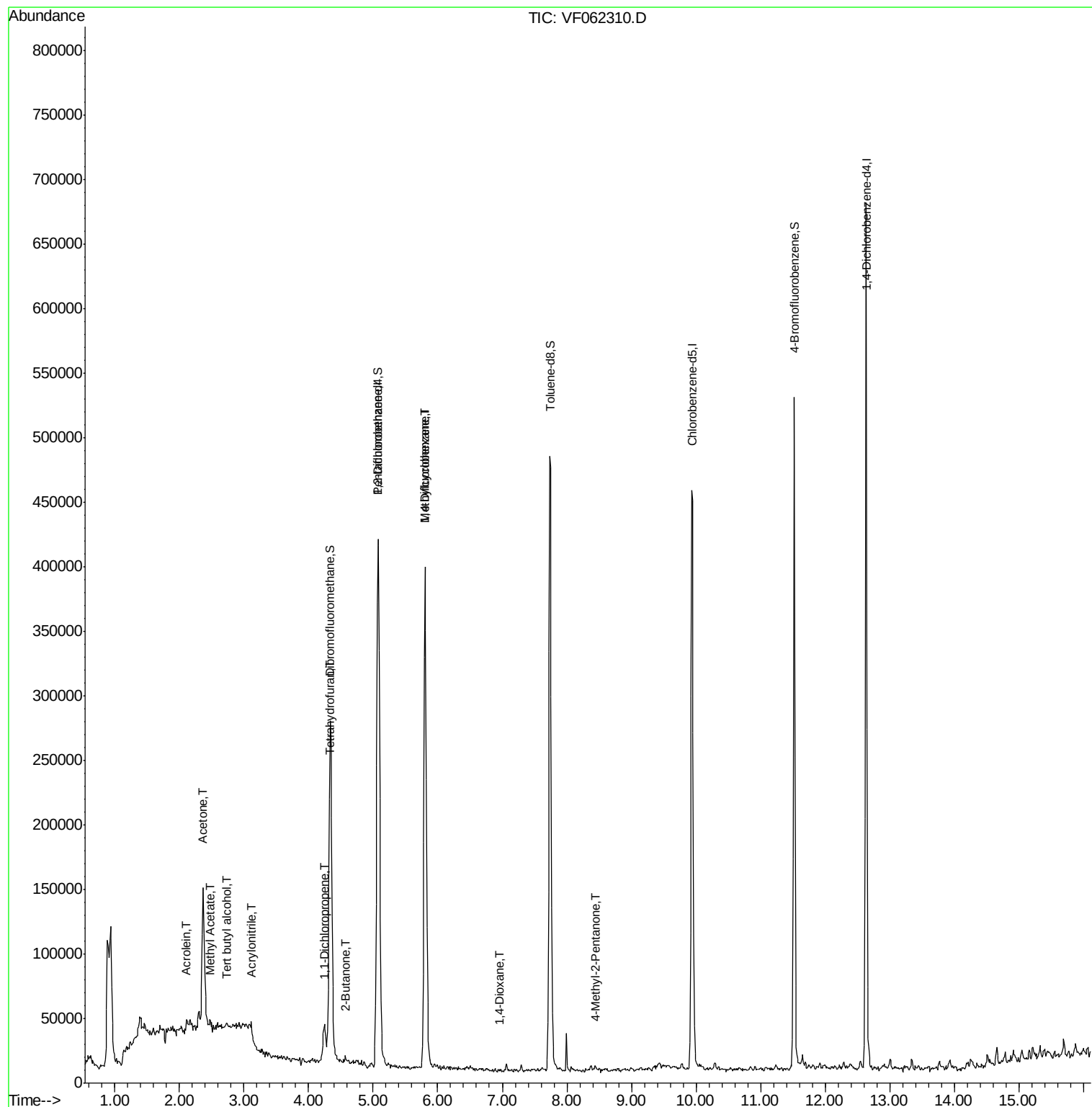
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.73	59	3170	19.052	ug/l #	46
13) Acrolein	2.12	56	1341	16.563	ug/l #	1
15) Acrylonitrile	3.10	53	764	1.658	ug/l #	28
16) Acetone	2.36	43	189438	307.605	ug/l	96
18) Methyl Acetate	2.47	43	9917	6.027	ug/l	99
20) Methylene Chloride	2.36	84	2830	Below Cal	#	67
25) 2-Butanone	4.56	43	6106	6.253	ug/l #	90
29) Tetrahydrofuran	4.32	42	808	1.883	ug/l #	80
36) 1,1-Dichloropropene	4.25	75	52505	12.590	ug/l #	44
39) Methylcyclohexane	5.80	83	6502	1.336	ug/l #	45
49) 1,4-Dioxane	6.95	88	84	5.675	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	2410	1.743	ug/l #	84
59) 2-Hexanone	9.66	43	3866	Below Cal		84

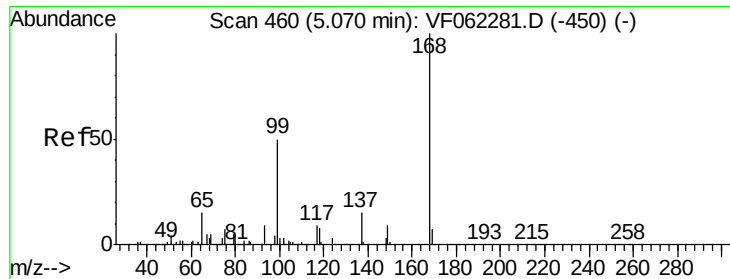
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.02 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

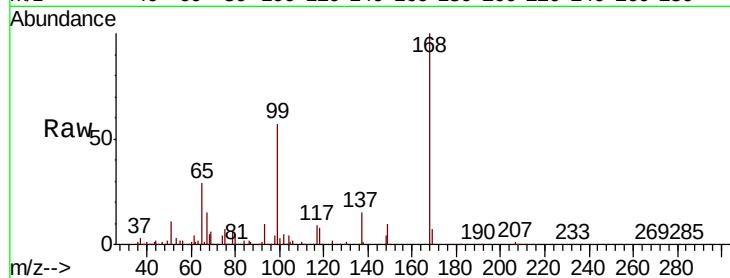
SSSI-0419-S-DH-8

Tot Ion:168 Resp: 339575

Ion Ratio Lower Upper

168 100

99 57.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

120000

100000

80000

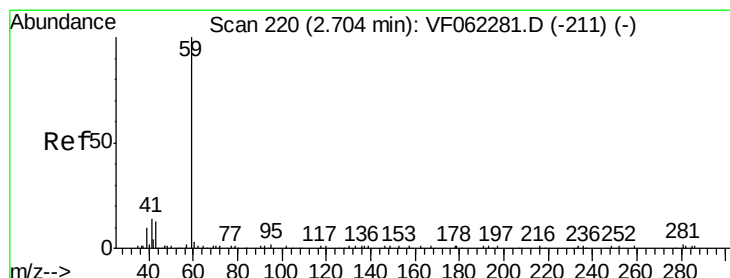
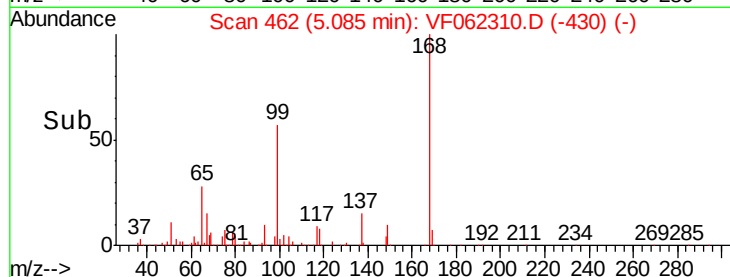
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 19.052 ug/l

RT: 2.73 min Scan# 223

Delta R.T. 0.03 min

Lab File: VF062310.D

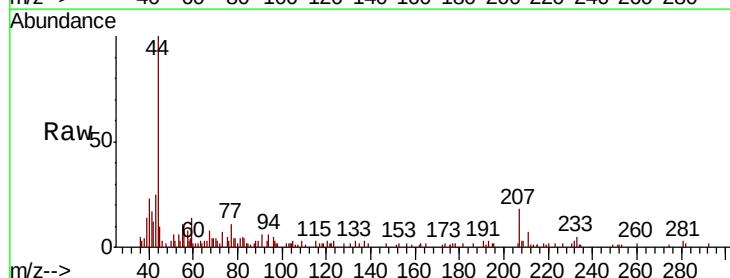
Acq: 26 Apr 2019 17:26

Tgt Ion: 59 Resp: 3170

Ion Ratio Lower Upper

59 100

57 31.7 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

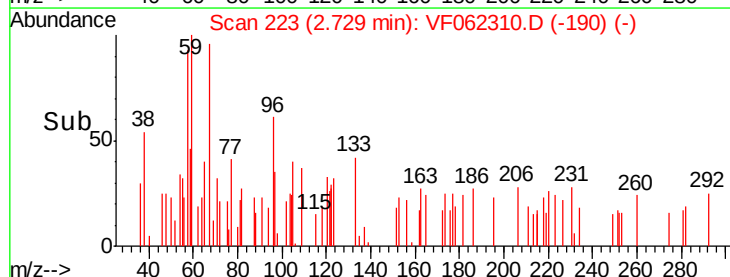
2.73

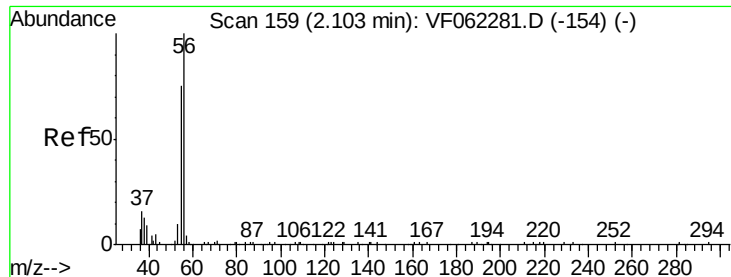
1000

500

0

Time-->





#13

Acrolein

Concen: 16.563 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.02 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

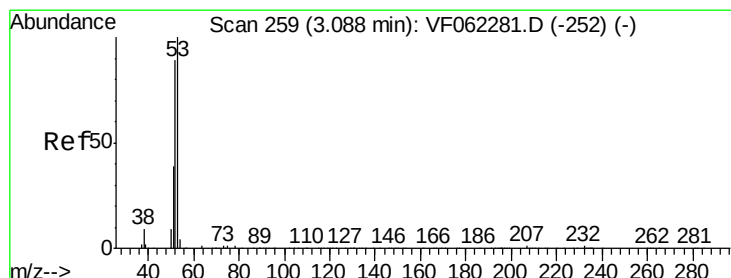
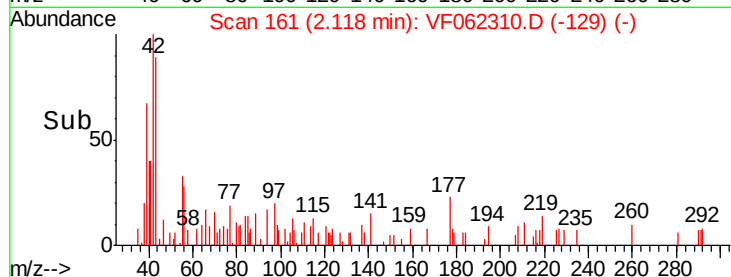
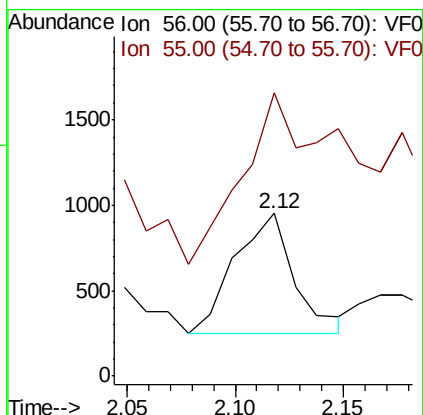
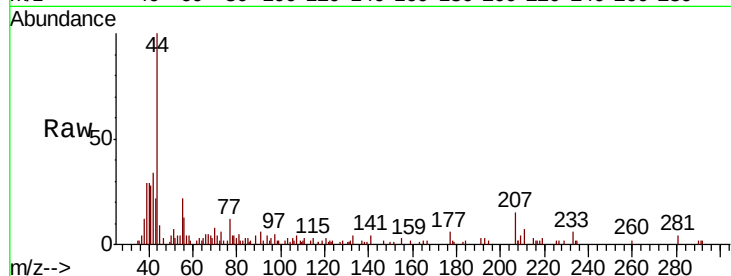
SSSI-0419-S-DH-8

Tot Ion: 56 Resp: 1341

Ion Ratio Lower Upper

56 100

55 335.0 62.3 93.5#



#15

Acrylonitrile

Concen: 1.658 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

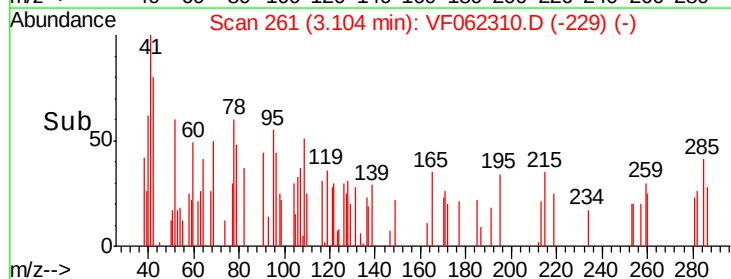
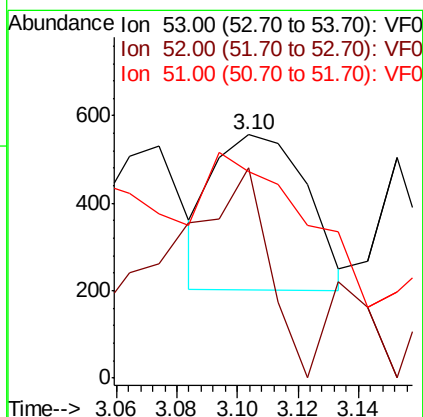
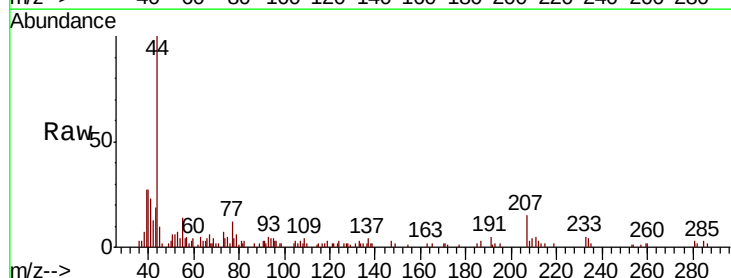
Tgt Ion: 53 Resp: 764

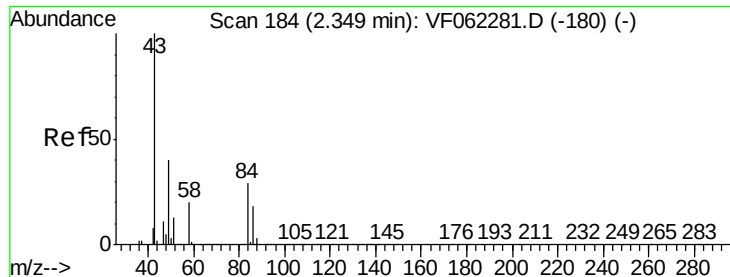
Ion Ratio Lower Upper

53 100

52 145.3 70.6 105.8#

51 100.5 32.6 48.8#

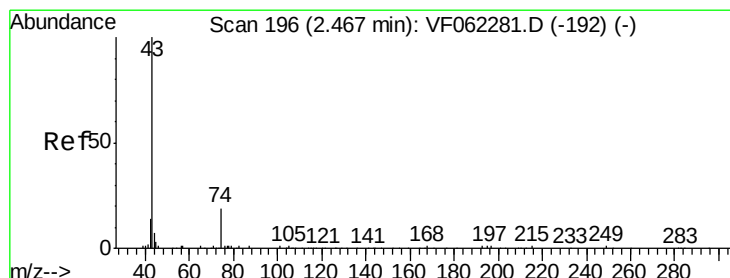
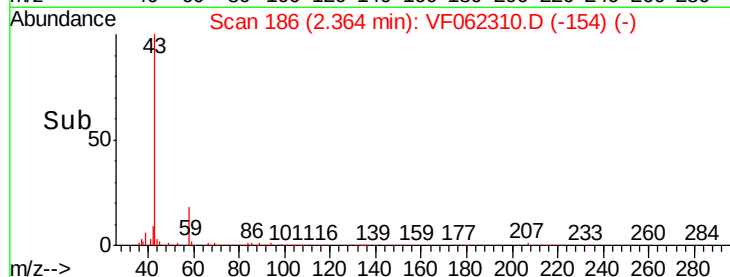
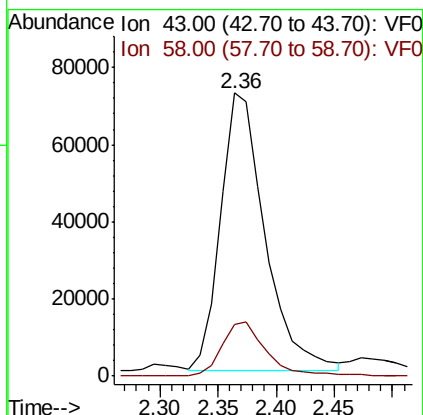
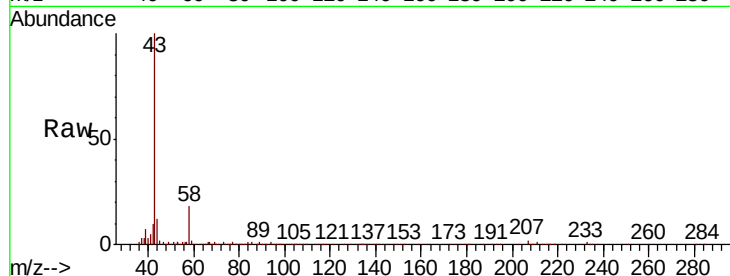




#16
Acetone
Concen: 307.605 ug/l
RT: 2.36 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

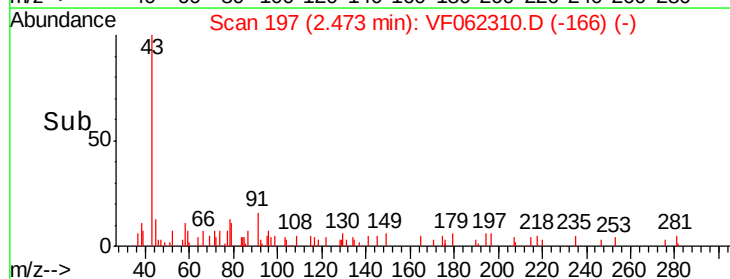
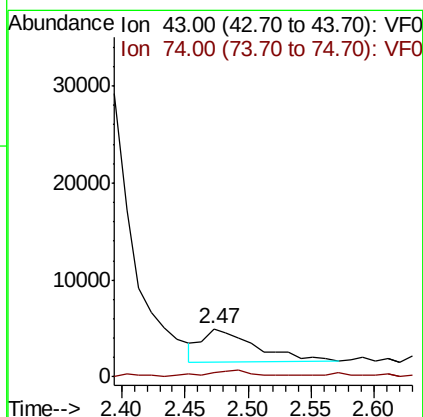
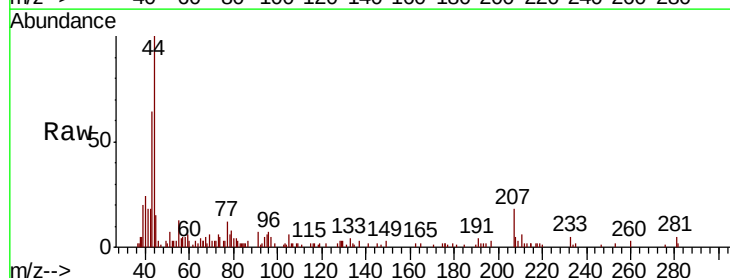
Instrument :
MSVOA_F
ClientSampleId :
SSSI-0419-S-DH-8

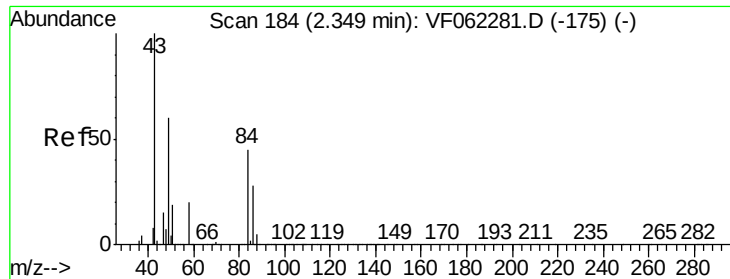
Tot Ion: 43 Resp: 189438
Ion Ratio Lower Upper
43 100
58 18.4 16.4 24.6



#18
Methyl Acetate
Concen: 6.027 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

Tgt Ion: 43 Resp: 9917
Ion Ratio Lower Upper
43 100
74 17.4 14.4 21.6

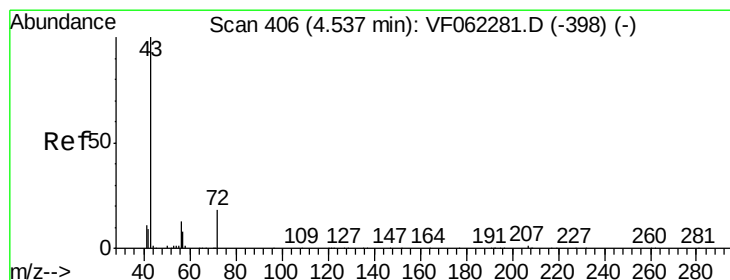
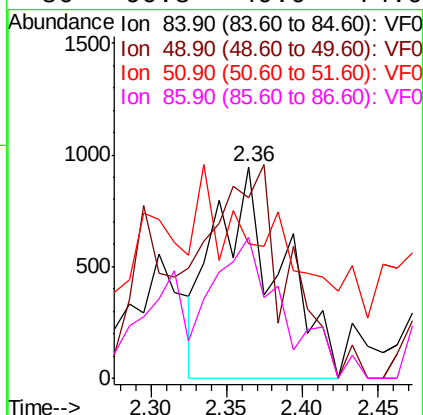
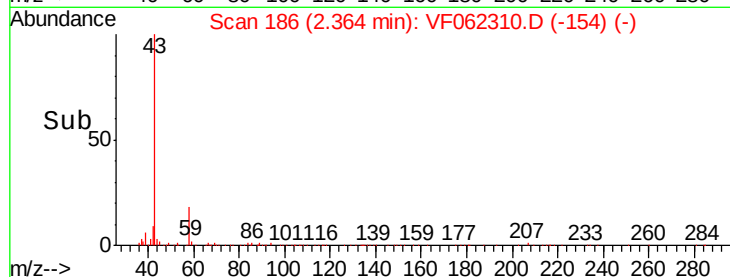
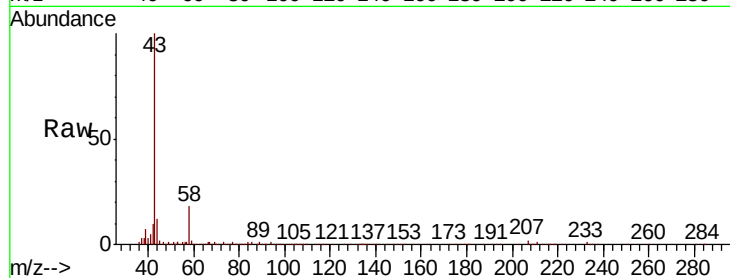




#20
Methylene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

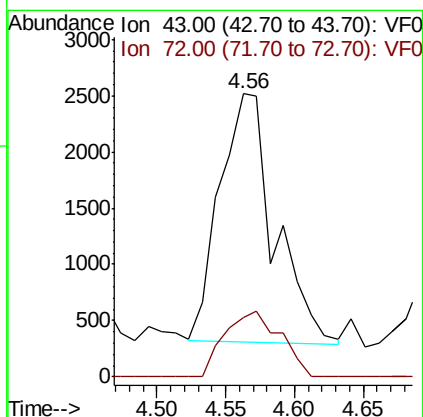
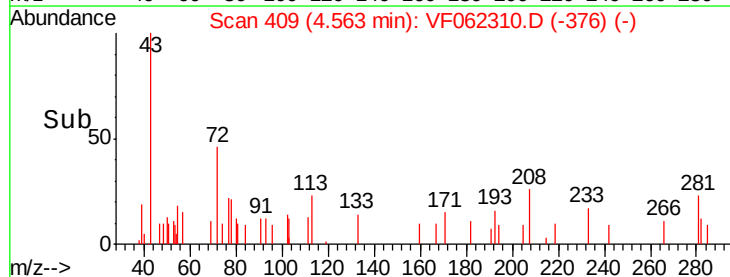
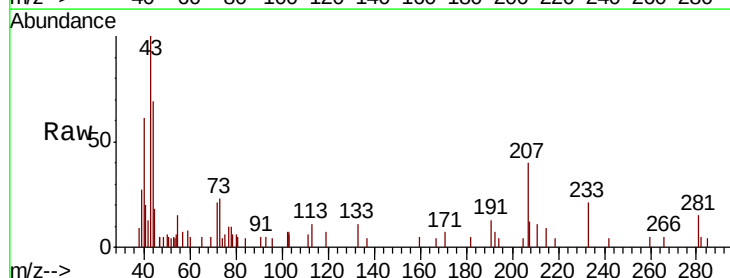
Instrument :
MSVOA_F
ClientSampleId :
SSSI-0419-S-DH-8

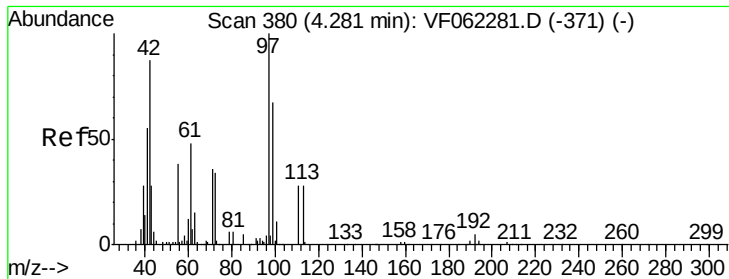
Tot Ion	Ratio	Lower	Upper
84	100		
49	85.5	112.1	168.1#
51	22.4	35.9	53.9#
86	66.8	49.9	74.9



#25
2-Butanone
Concen: 6.253 ug/l
RT: 4.56 min Scan# 409
Delta R.T. 0.03 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	15.8	23.6#

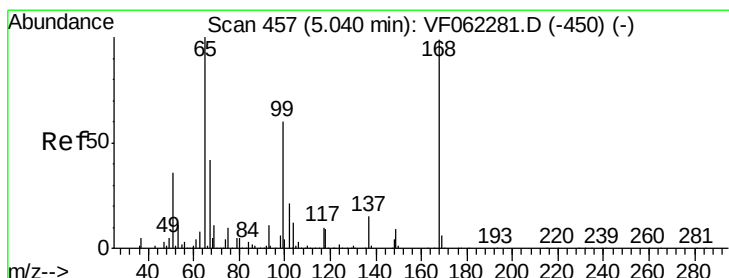
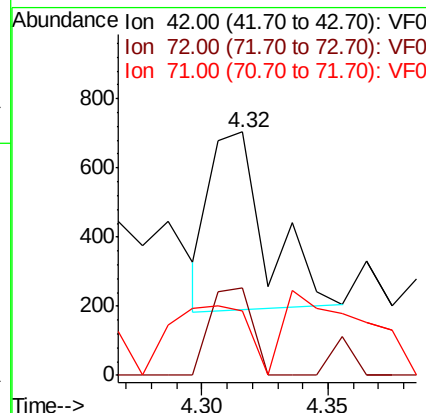
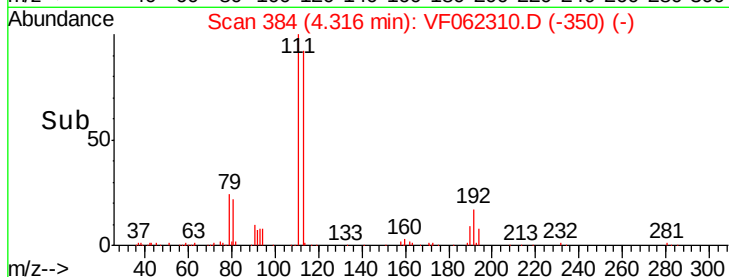
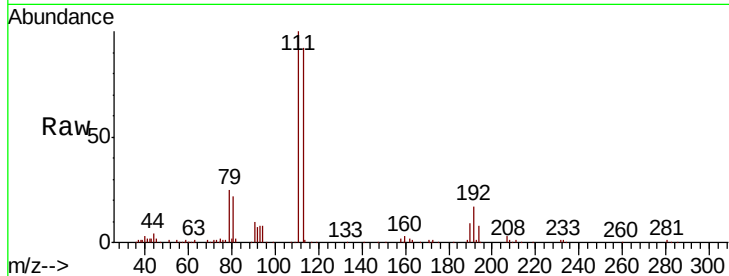




#29
Tetrahydrofuran
Concen: 1.883 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

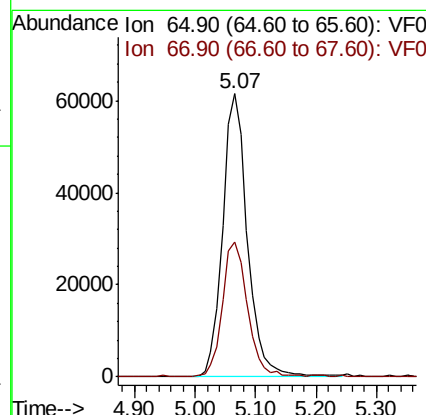
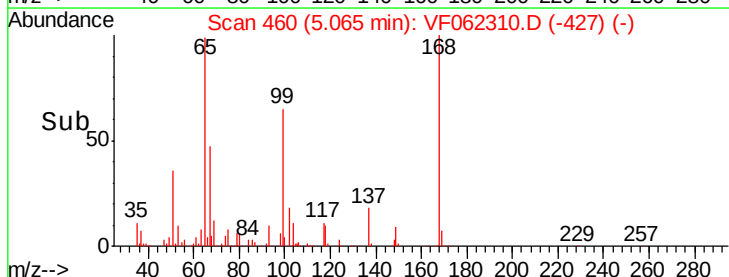
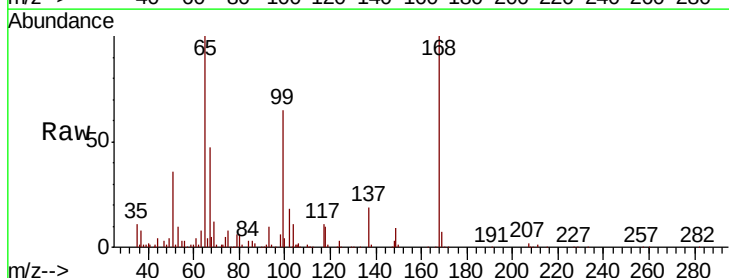
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MSVOA_F
ClientSampleId :
SSSI-0419-S-DH-8

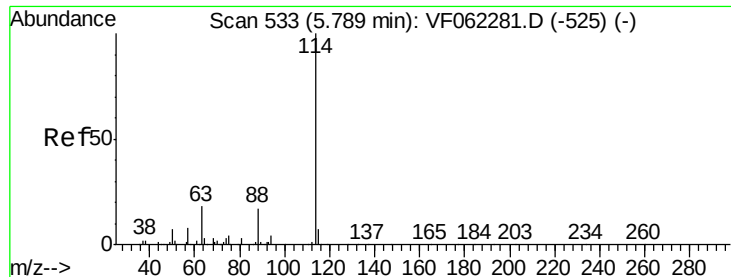
Tot Ion: 42 Resp: 808
Ion Ratio Lower Upper
42 100
72 36.1 29.3 43.9
71 62.6 31.2 46.8#



#33
1,2-Dichloroethane-d4
Concen: 63.717 ug/l
RT: 5.07 min Scan# 460
Delta R.T. 0.03 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

Tgt Ion: 65 Resp: 175260
Ion Ratio Lower Upper
65 100
67 48.3 0.0 98.8

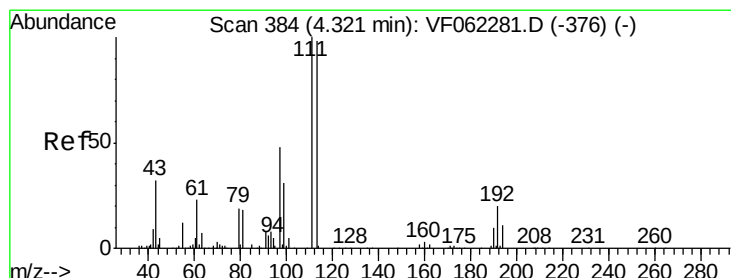
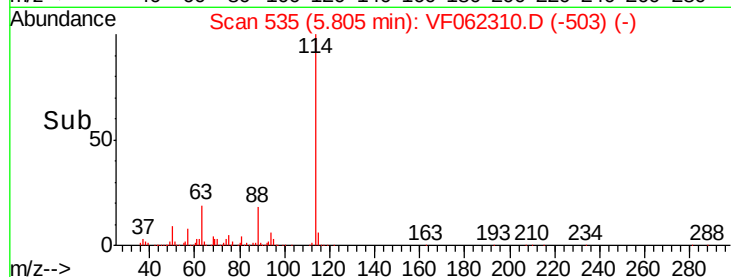
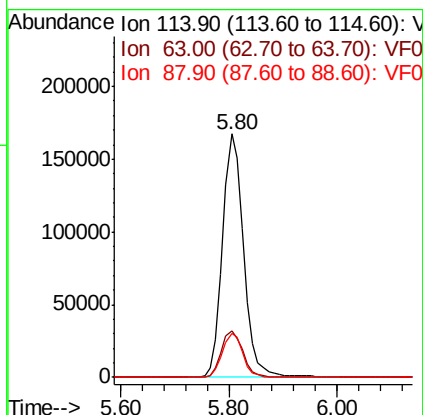
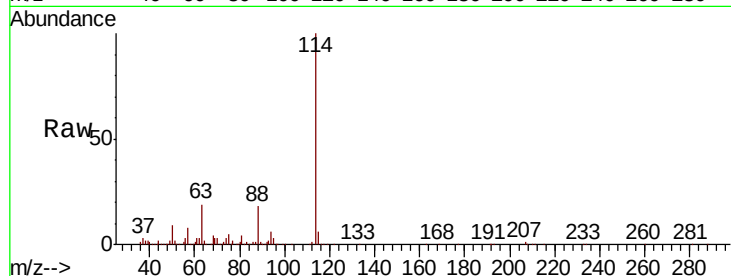




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 535
 Delta R.T. 0.02 min
 Lab File: VF062310.D
 Acq: 26 Apr 2019 17:26

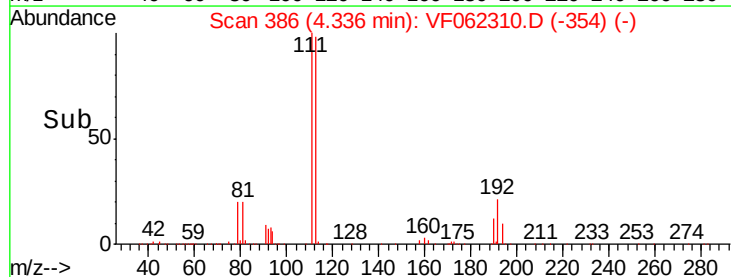
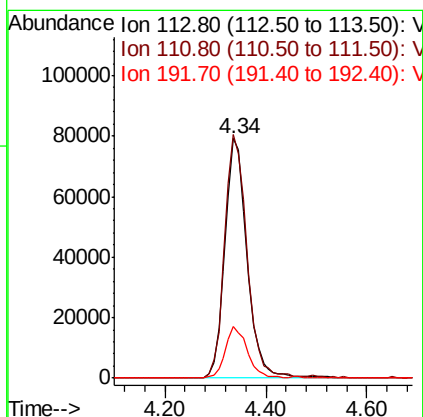
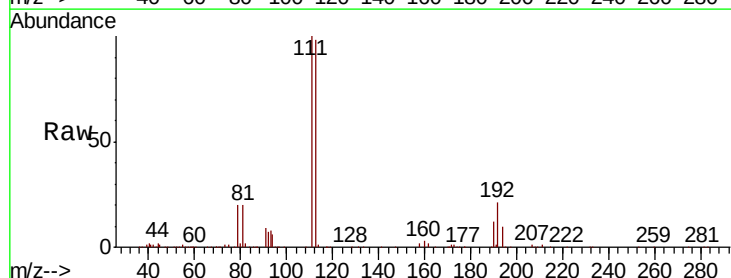
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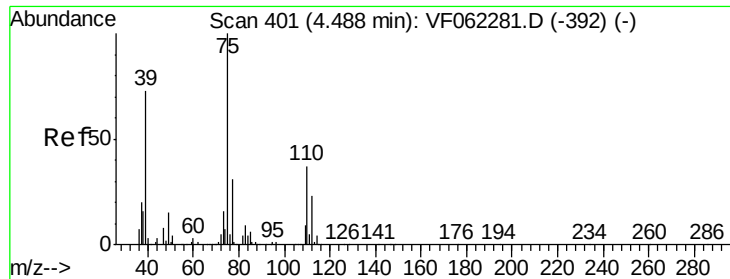
Tot Ion:	114	Resp:	452037
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	35.6
88	18.3	0.0	34.6



#35
 Dibromofluoromethane
 Concen: 71.896 ug/l
 RT: 4.34 min Scan# 386
 Delta R.T. 0.02 min
 Lab File: VF062310.D
 Acq: 26 Apr 2019 17:26

Tgt Ion:	113	Resp:	240969
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.2
192	21.2	17.0	25.4





#36

1,1-Dichloropropene

Concen: 12.590 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.24 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

SSSI-0419-S-DH-8

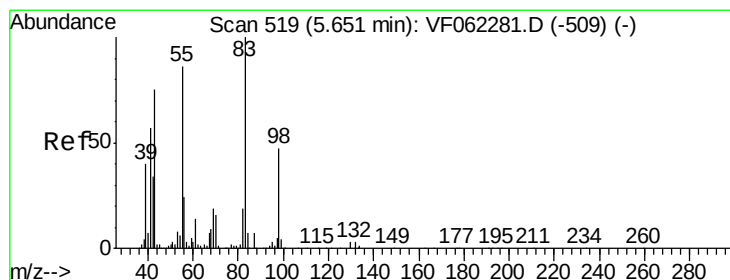
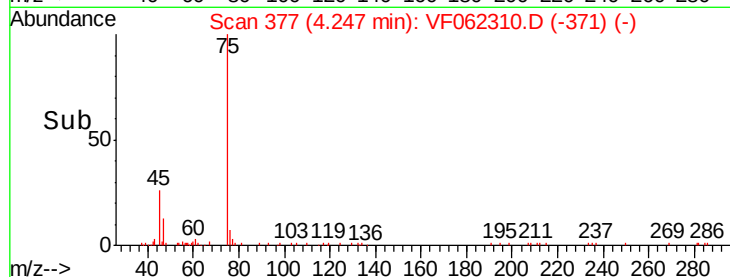
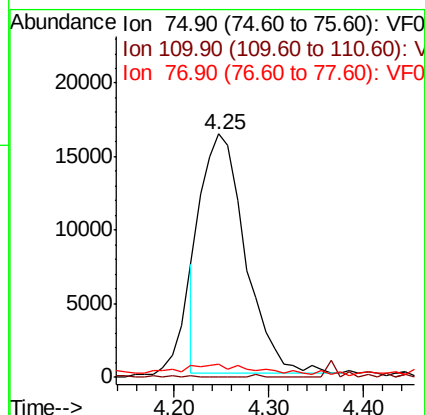
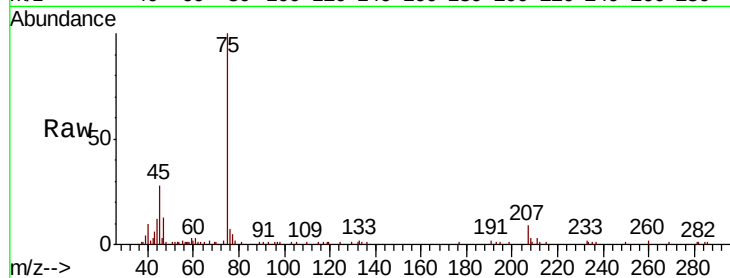
Tot Ion: 75 Resp: 52505

Ion Ratio Lower Upper

75 100

110 0.0 17.9 53.8#

77 3.8 24.6 36.8#



#39

Methylcyclohexane

Concen: 1.336 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.15 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

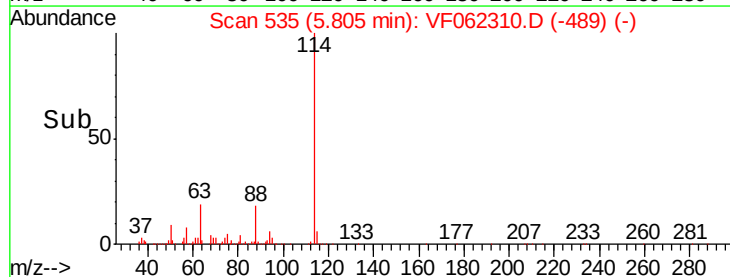
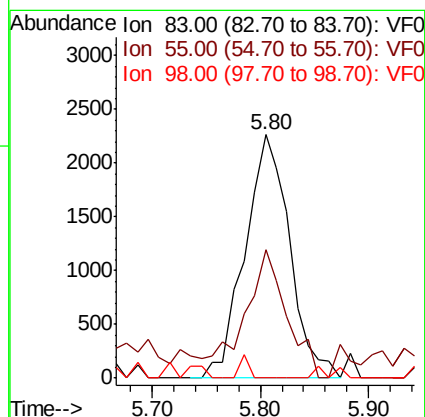
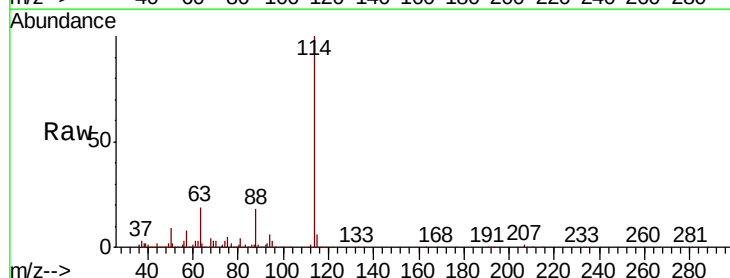
Tgt Ion: 83 Resp: 6502

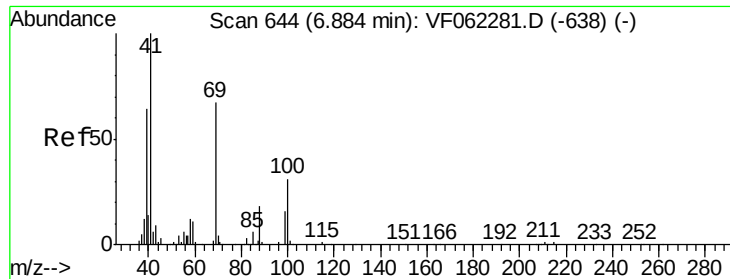
Ion Ratio Lower Upper

83 100

55 43.6 68.7 103.1#

98 0.0 37.4 56.2#

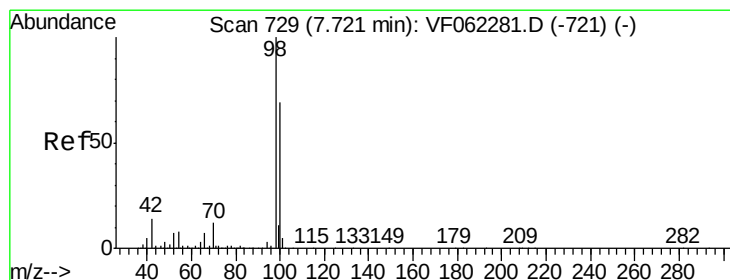
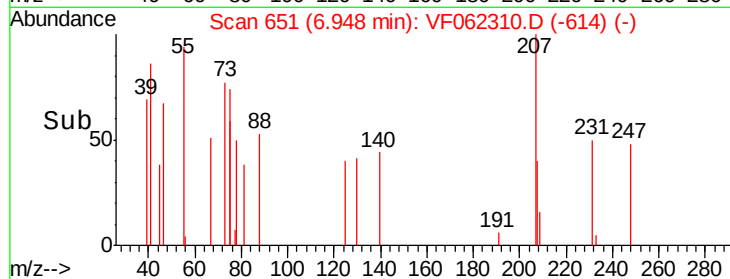
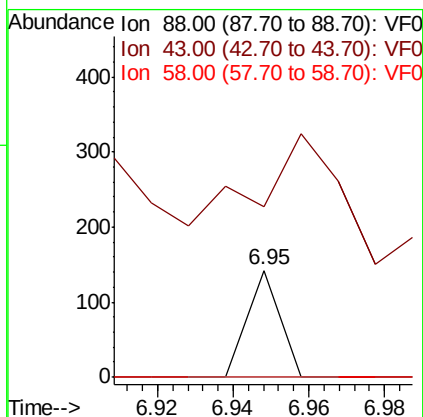
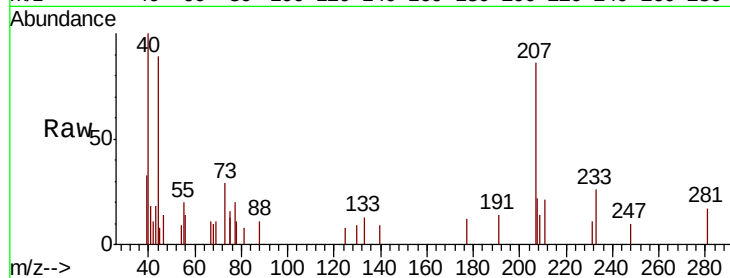




#49
1,4-Dioxane
Concen: 5.675 ug/l
RT: 6.95 min Scan# 651
Delta R.T. 0.06 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

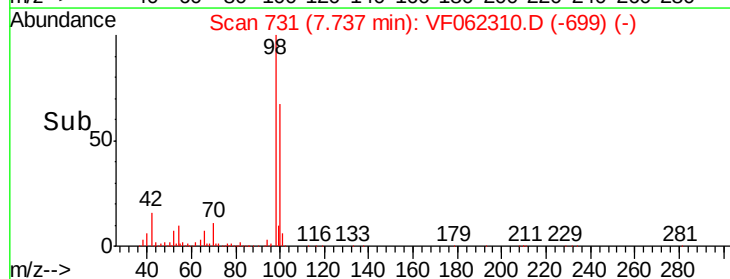
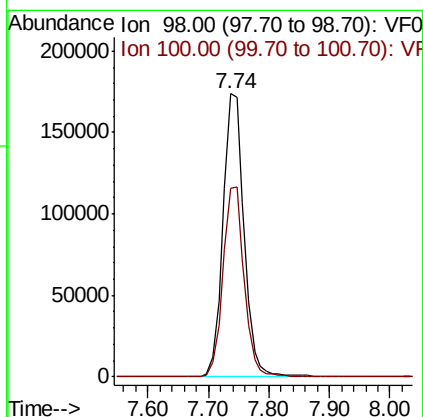
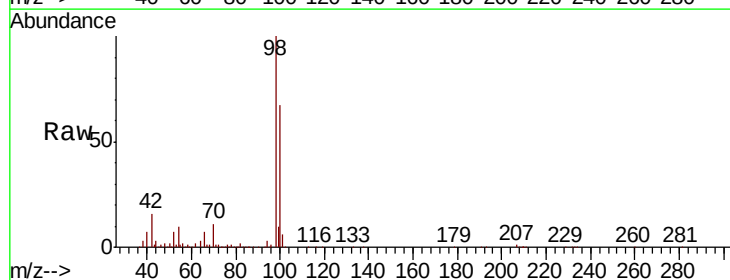
Instrument :
MSVOA_F
ClientSampleId :
SSSI-0419-S-DH-8

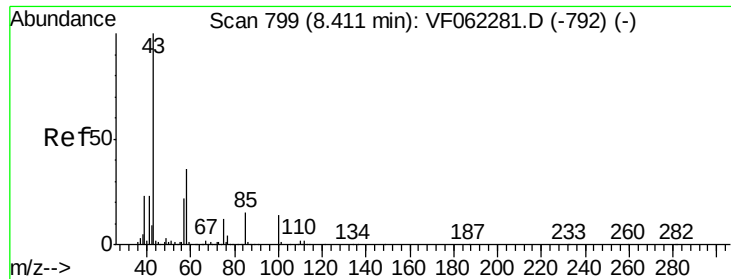
Tot Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 326.2 34.2 51.4#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 51.484 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.02 min
Lab File: VF062310.D
Acq: 26 Apr 2019 17:26

Tgt Ion: 98 Resp: 421483
Ion Ratio Lower Upper
98 100
100 67.2 54.4 81.6

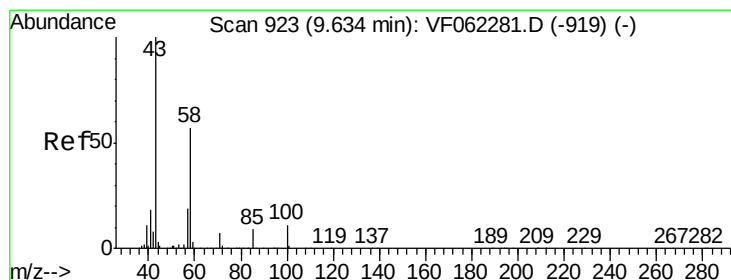
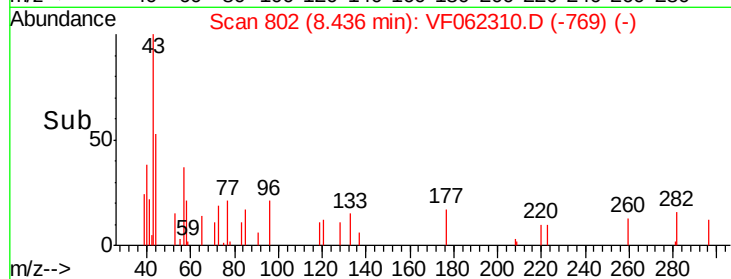
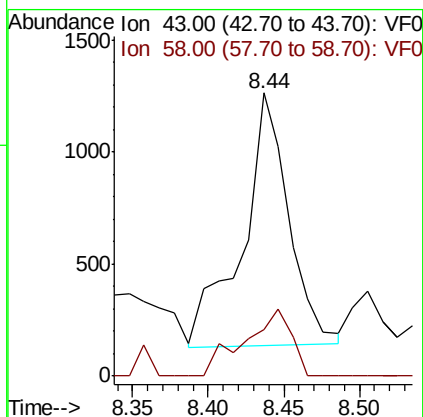
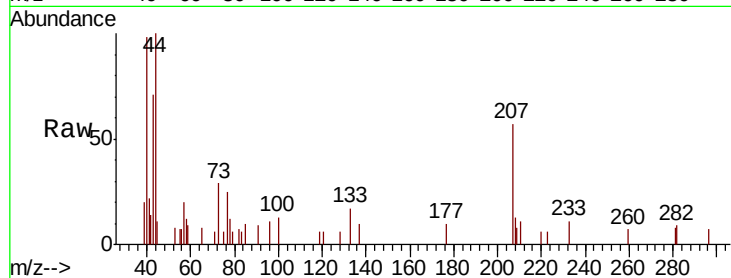




#51
 4-Methyl-2-Pentanone
 Concen: 1.743 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.03 min
 Lab File: VF062310.D
 Acq: 26 Apr 2019 17:26

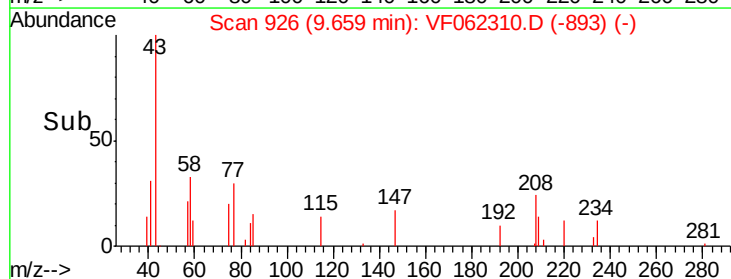
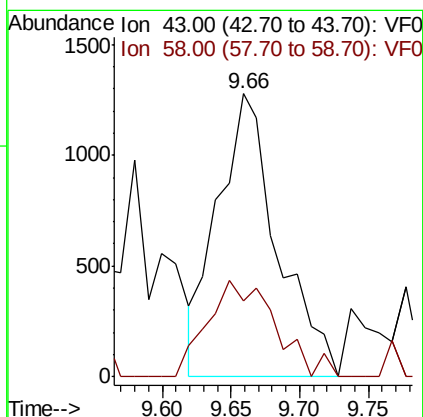
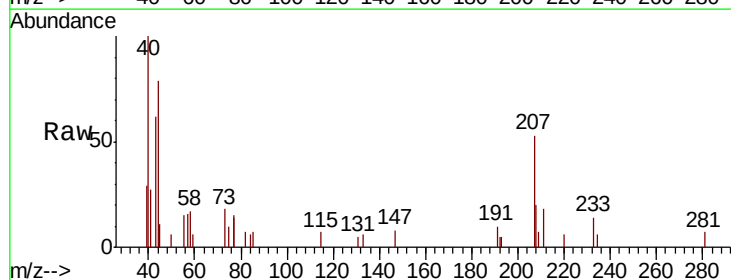
Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0419-S-DH-8

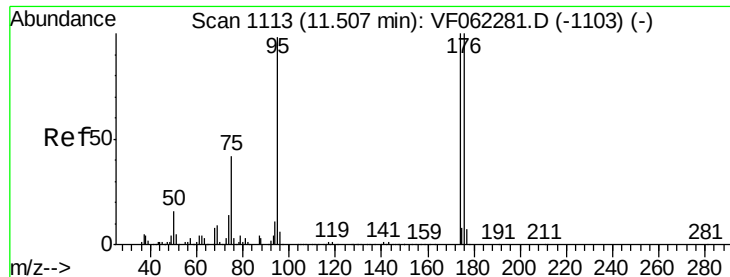
Tot Ion: 43 Resp: 2410
 Ion Ratio Lower Upper
 43 100
 58 26.9 29.1 43.7#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.66 min Scan# 926
 Delta R.T. 0.03 min
 Lab File: VF062310.D
 Acq: 26 Apr 2019 17:26

Tgt Ion: 43 Resp: 3866
 Ion Ratio Lower Upper
 43 100
 58 38.6 24.9 74.7





#62

4-Bromofluorobenzene

Concen: 53.124 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

SSSI-0419-S-DH-8

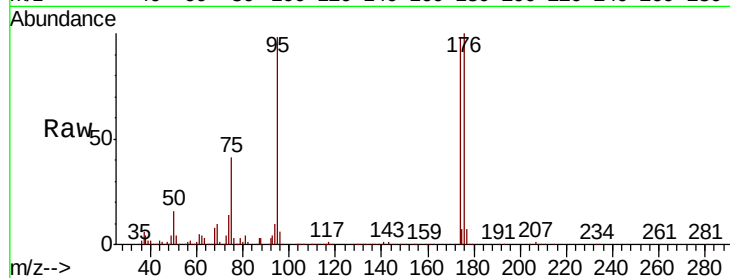
Tot Ion: 95 Resp: 179265

Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.2

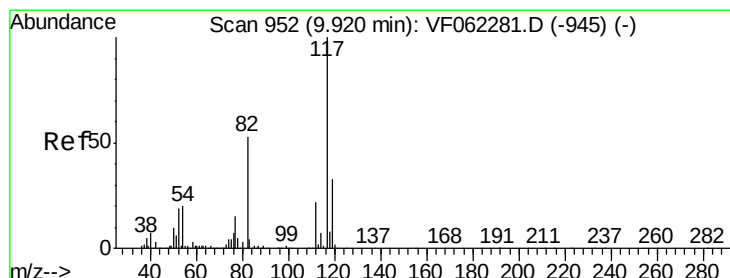
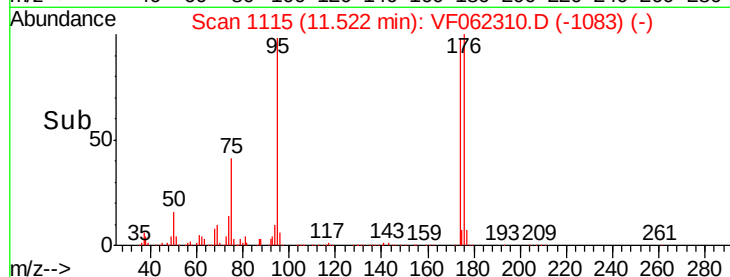
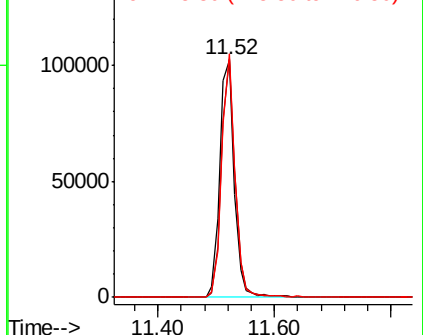
176 93.5 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.03 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

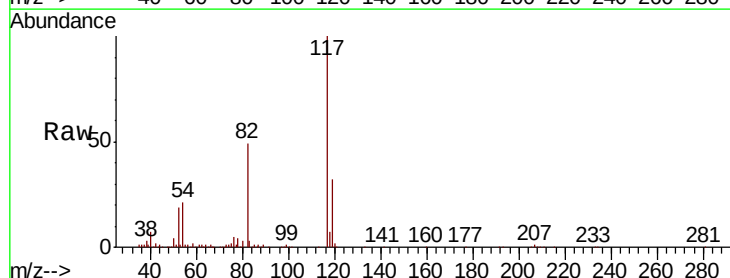
Tgt Ion: 117 Resp: 346902

Ion Ratio Lower Upper

117 100

82 49.3 42.6 64.0

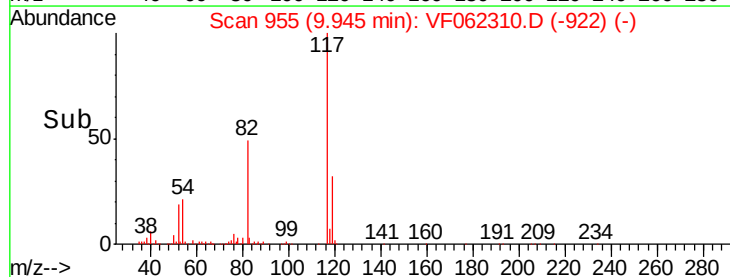
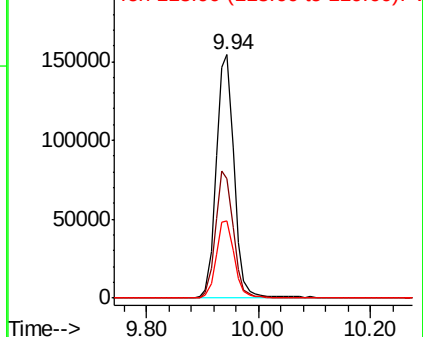
119 32.0 26.1 39.1

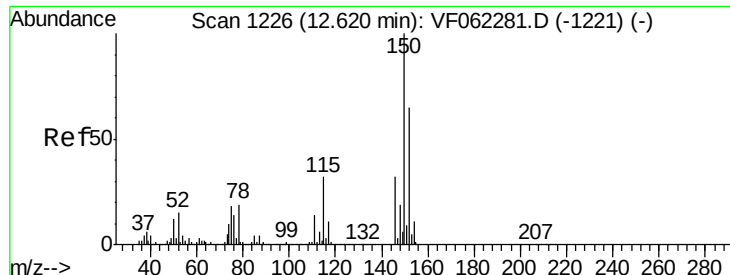


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.02 min

Lab File: VF062310.D

Acq: 26 Apr 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

SSSI-0419-S-DH-8

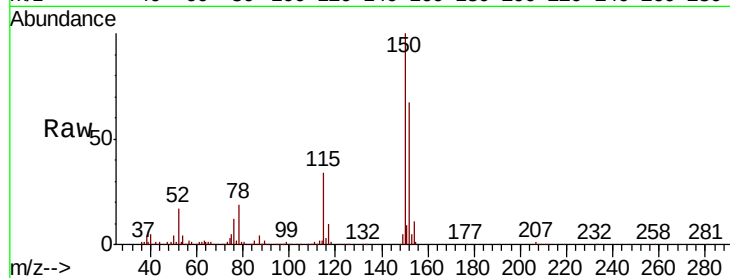
Tot Ion:152 Resp: 195271

Ion Ratio Lower Upper

152 100

115 54.2 25.6 76.8

150 155.5 0.0 330.6



Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

