

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062305.D
 Acq On : 26 Apr 2019 15:07
 Operator : FY/SY
 Sample : K2582-02
 Misc : 5.38g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0419-S-DH-6-T

Quant Time: Apr 27 00:35:09 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	5.09	168	416360	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.81	114	584110	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	492456	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	277774	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	198952	58.99	ug/l	0.02
Spiked Amount			Recovery	=	117.98%	
35) Dibromofluoromethane	4.34	113	236994	54.72	ug/l	0.02
Spiked Amount			Recovery	=	109.44%	
50) Toluene-d8	7.74	98	503331	47.58	ug/l	0.02
Spiked Amount			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.51	95	245338	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	

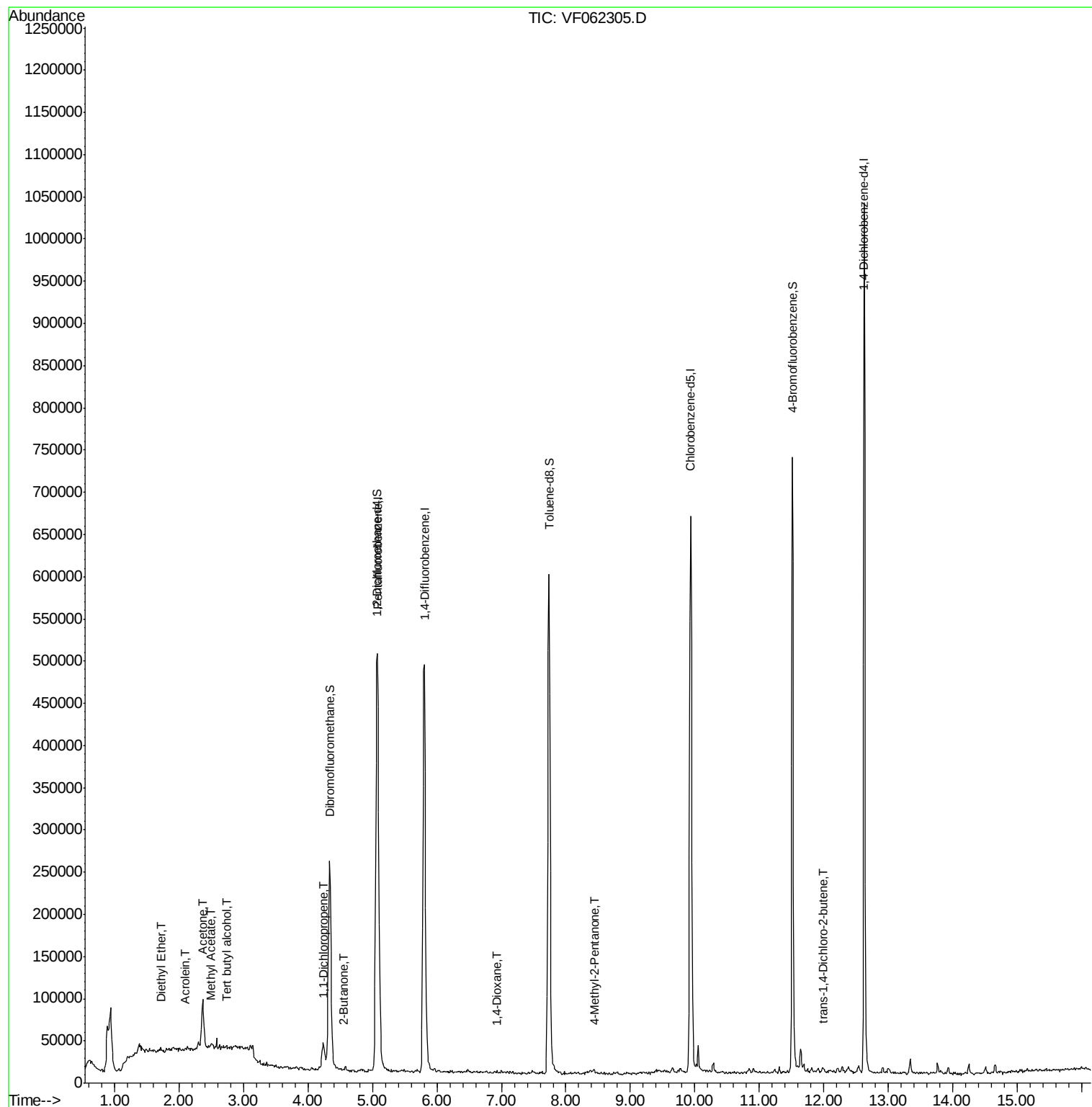
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	1408	1.239	ug/l	76
11) Tert butyl alcohol	2.72	59	4638	22.734	ug/l #	86
13) Acrolein	2.10	56	471	10.631	ug/l #	10
16) Acetone	2.37	43	88176	116.773	ug/l	97
18) Methyl Acetate	2.48	43	7539	2.527	ug/l	93
20) Methylene Chloride	2.36	84	4107	Below Cal	#	83
25) 2-Butanone	4.55	43	3566	2.978	ug/l #	57
36) 1,1-Dichloropropene	4.24	75	49166	9.124	ug/l #	46
43) Isopropyl Acetate	7.14	43	303	Below Cal	#	93
49) 1,4-Dioxane	6.92	88	282	14.744	ug/l #	8
51) 4-Methyl-2-Pentanone	8.43	43	4850	2.715	ug/l #	71
59) 2-Hexanone	9.65	43	3330	Below Cal		97
81) trans-1,4-Dichloro-2-buten	11.98	75	1124	1.172	ug/l #	7

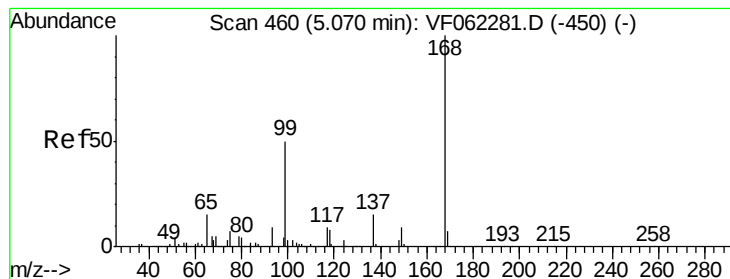
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042619\
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.02 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

Instrument :

MSVOA_F

ClientSampleId :

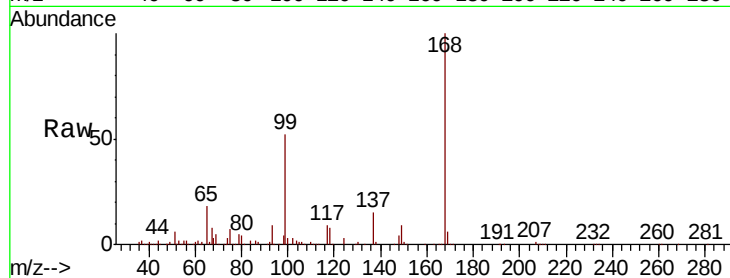
SSSI-0419-S-DH-6-T

Tot Ion:168 Resp: 416360

Ion Ratio Lower Upper

168 100

99 51.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.09

150000

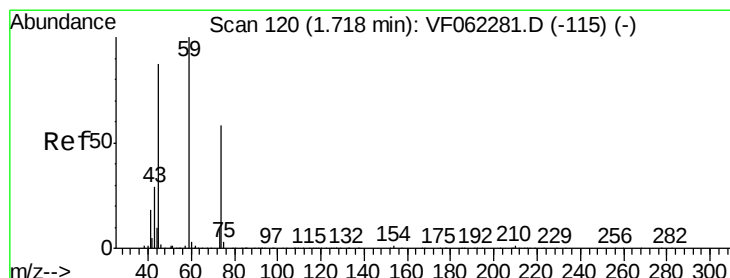
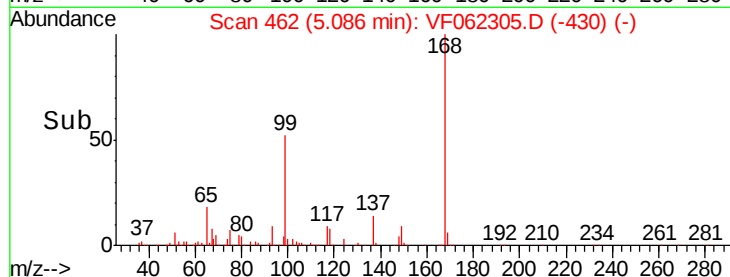
100000

50000

0

5.00 5.20 5.40

Time-->



#8

Diethyl Ether

Concen: 1.239 ug/l

RT: 1.71 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062305.D

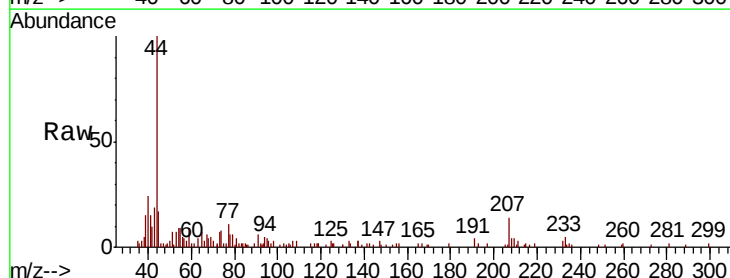
Acq: 26 Apr 2019 15:07

Tgt Ion: 74 Resp: 1408

Ion Ratio Lower Upper

74 100

45 117.5 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1500

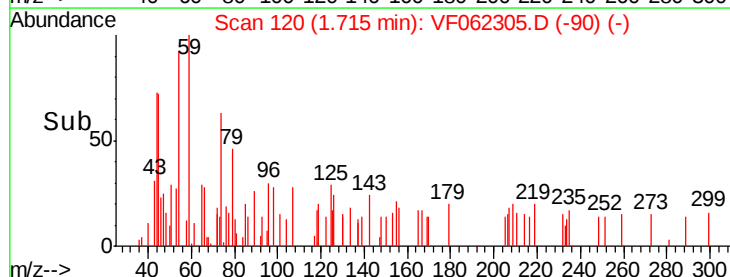
1000

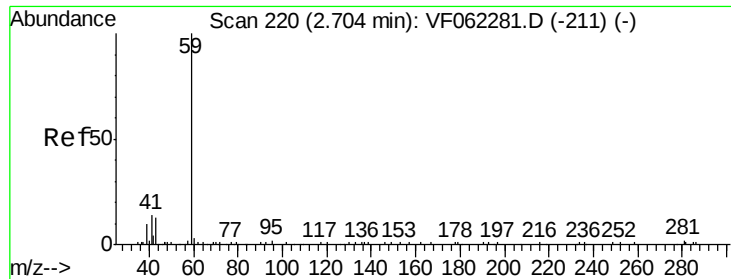
500

0

1.70 1.75

Time-->



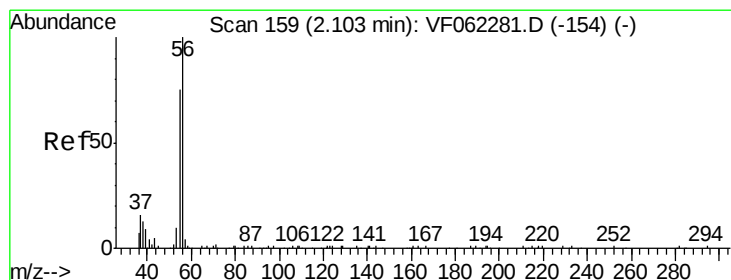
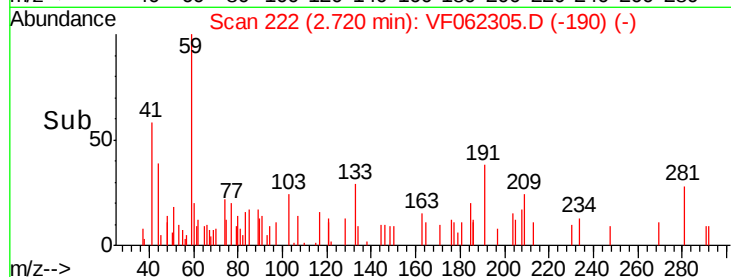
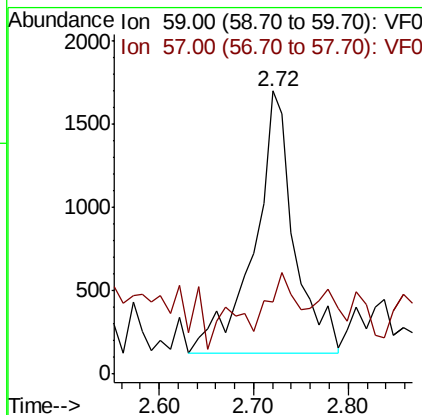
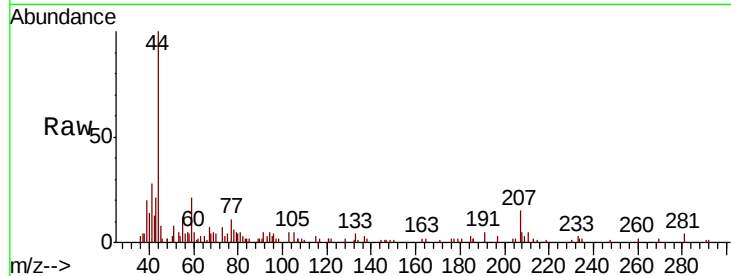


#11

Tert butyl alcohol
 Concen: 22.734 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.02 min
 Lab File: VF062305.D
 Acq: 26 Apr 2019 15:07

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0419-S-DH-6-T

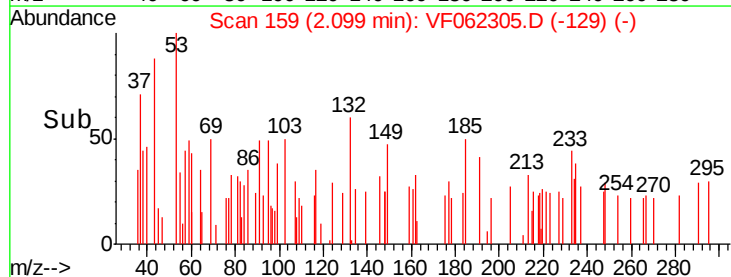
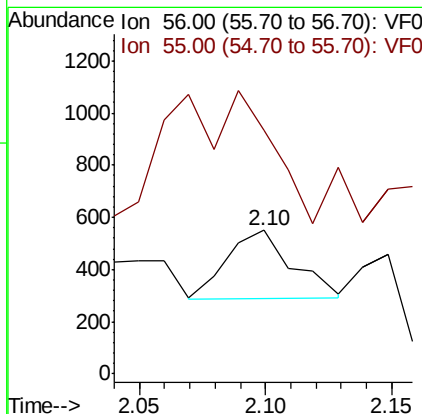
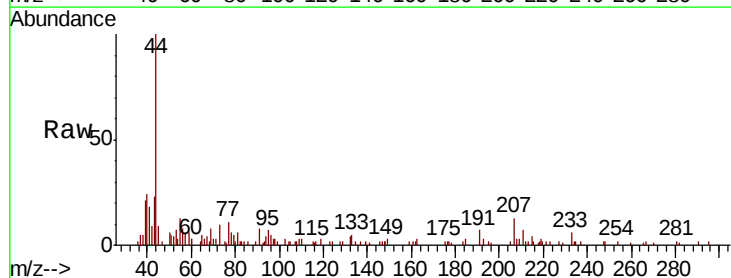
Tot Ion: 59 Resp: 4638
 Ion Ratio Lower Upper
 59 100
 57 16.3 8.8 13.2#

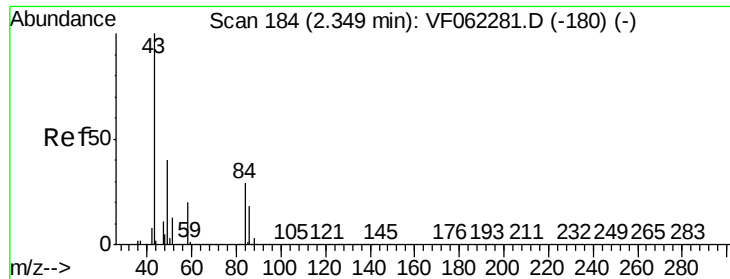


#13

Acrolein
 Concen: 10.631 ug/l
 RT: 2.10 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VF062305.D
 Acq: 26 Apr 2019 15:07

Tgt Ion: 56 Resp: 471
 Ion Ratio Lower Upper
 56 100
 55 0.0 62.3 93.5#

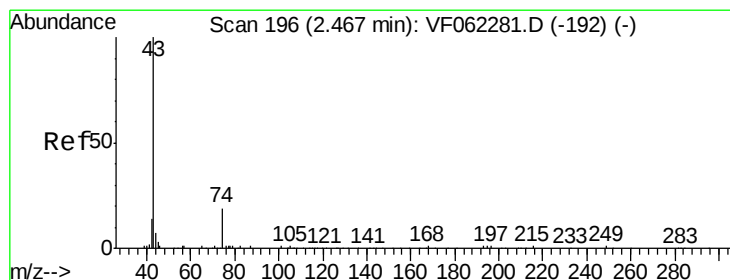
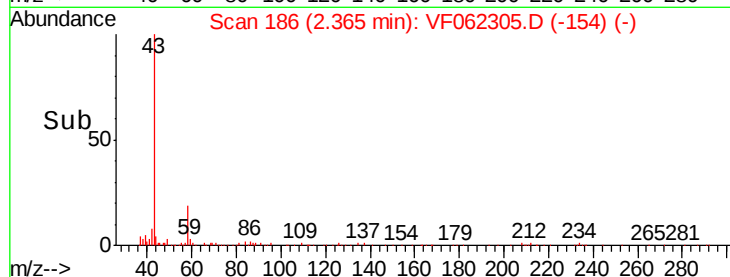
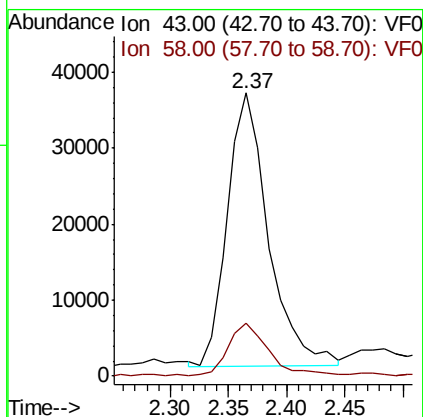
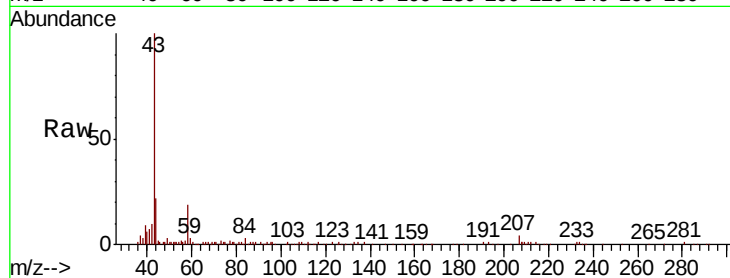




#16
Acetone
Concen: 116.773 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062305.D
Acq: 26 Apr 2019 15:07

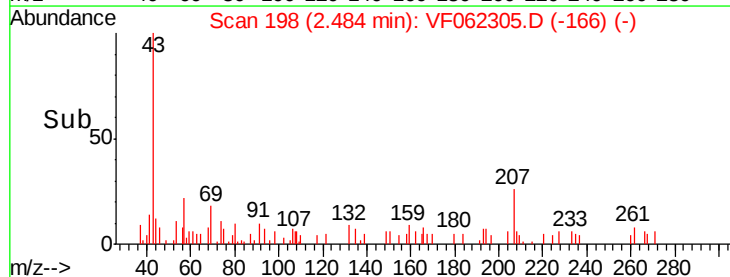
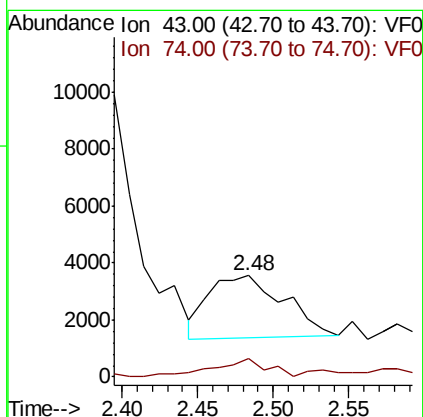
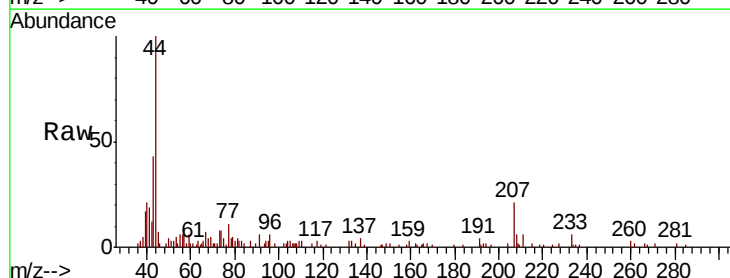
Instrument :
MSVOA_F
ClientSampleId :
SSSI-0419-S-DH-6-T

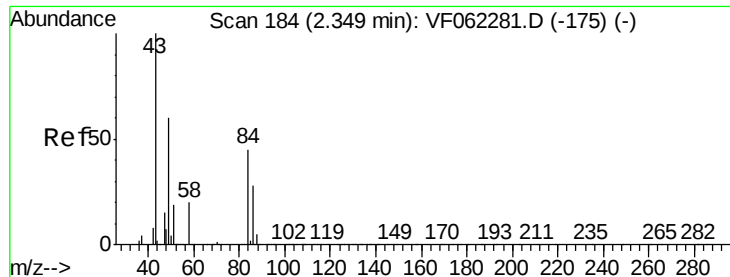
Tot Ion: 43 Resp: 88176
Ion Ratio Lower Upper
43 100
58 19.3 16.4 24.6



#18
Methyl Acetate
Concen: 2.527 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062305.D
Acq: 26 Apr 2019 15:07

Tgt Ion: 43 Resp: 7539
Ion Ratio Lower Upper
43 100
74 20.9 14.4 21.6

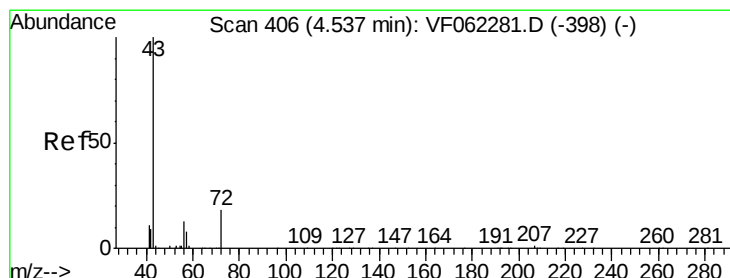
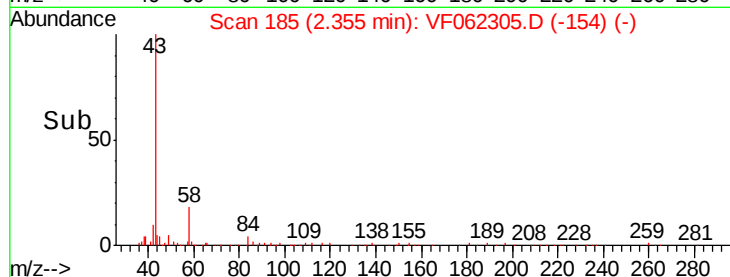
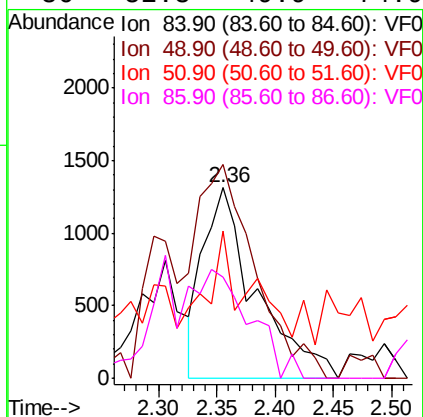
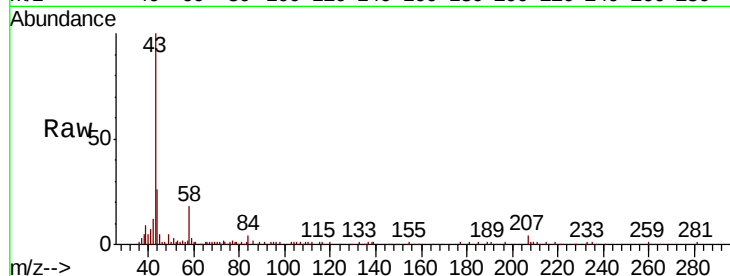




#20
Methylene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062305.D
Acq: 26 Apr 2019 15:07

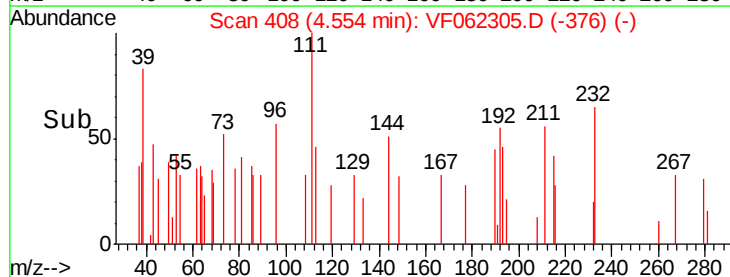
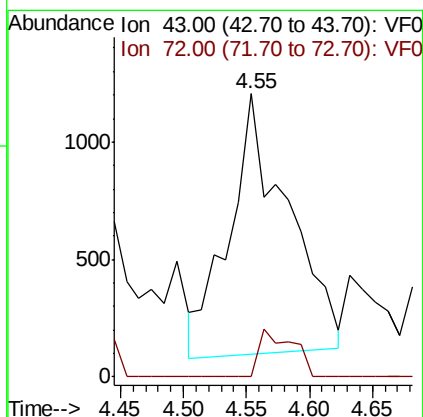
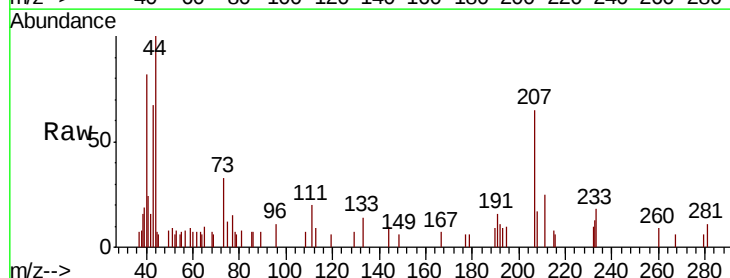
Instrument :
MSVOA_F
ClientSampleId :
SSSI-0419-S-DH-6-T

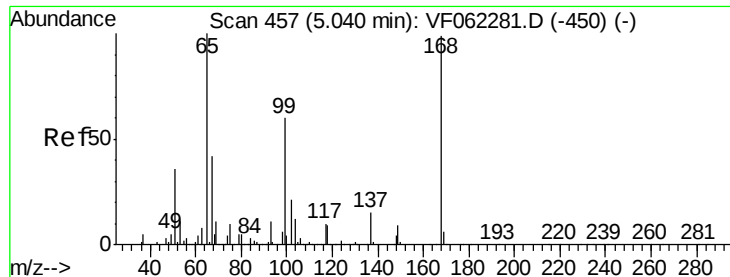
Tot Ion: 84 Resp: 4107
Ion Ratio Lower Upper
84 100
49 112.0 112.1 168.1#
51 43.3 35.9 53.9
86 52.8 49.9 74.9



#25
2-Butanone
Concen: 2.978 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF062305.D
Acq: 26 Apr 2019 15:07

Tgt Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
72 0.0 15.8 23.6#





#33

1,2-Dichloroethane-d4

Concen: 58.991 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

Instrument :

MSVOA_F

ClientSampleId :

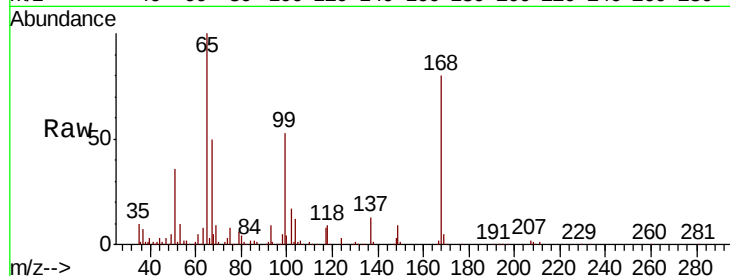
SSSI-0419-S-DH-6-T

Tot Ion: 65 Resp: 198952

Ion Ratio Lower Upper

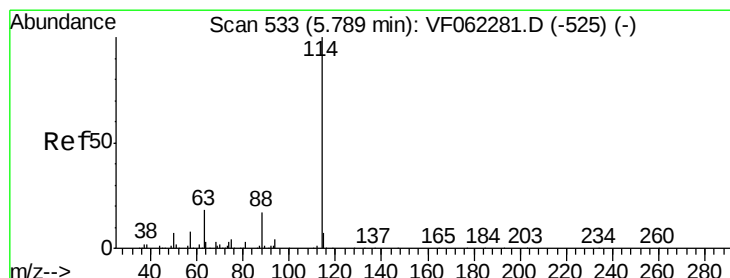
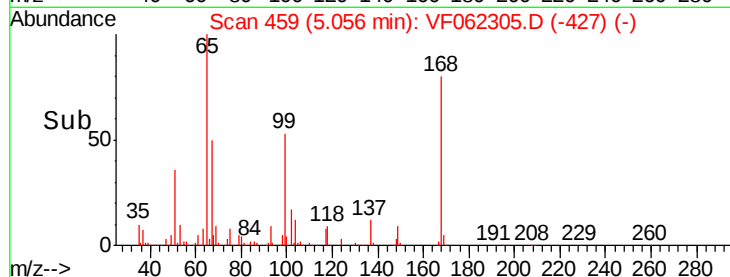
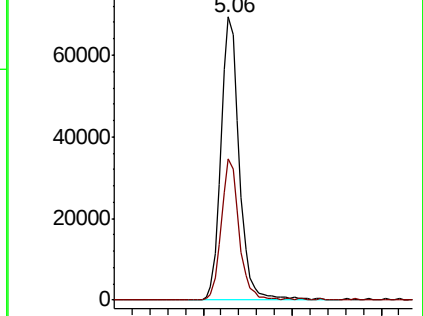
65 100

67 48.2 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.81 min Scan# 535

Delta R.T. 0.02 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

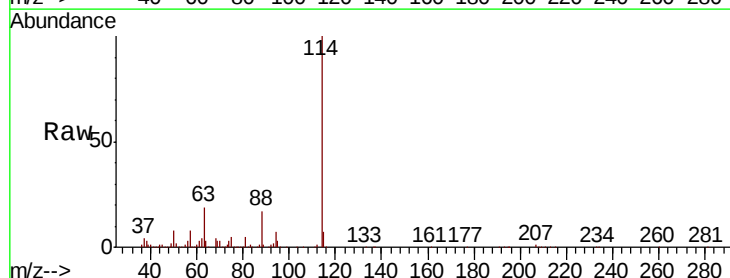
Tgt Ion: 114 Resp: 584110

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.6

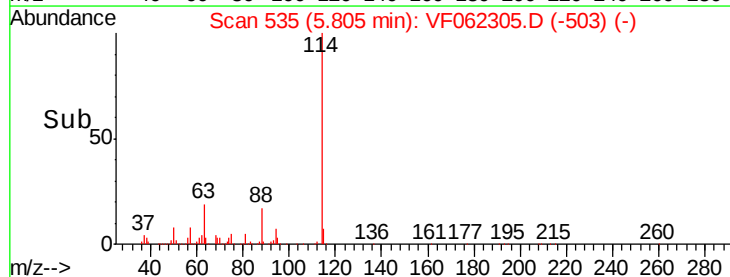
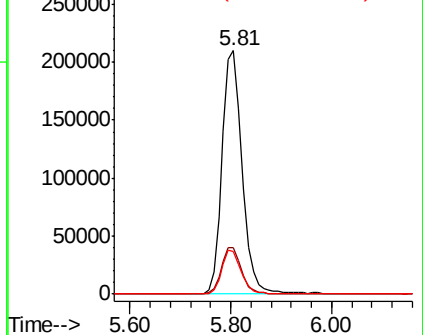
88 17.4 0.0 34.6

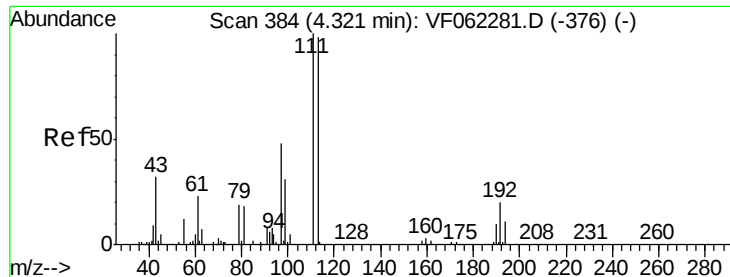


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

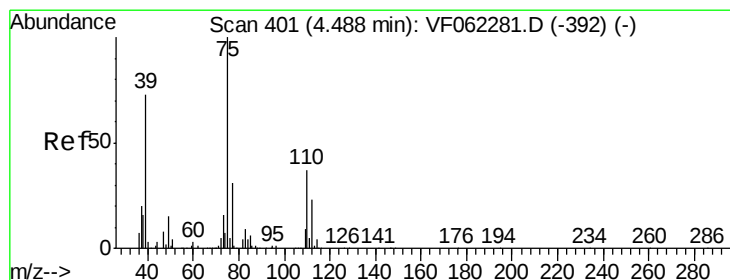
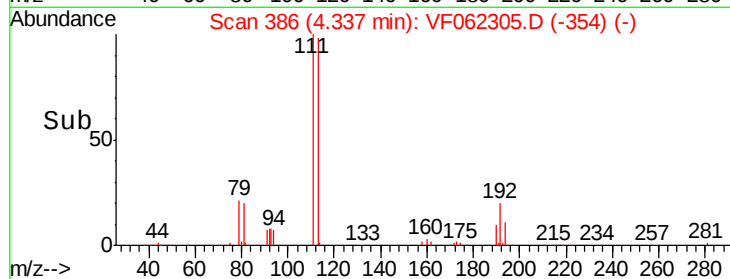
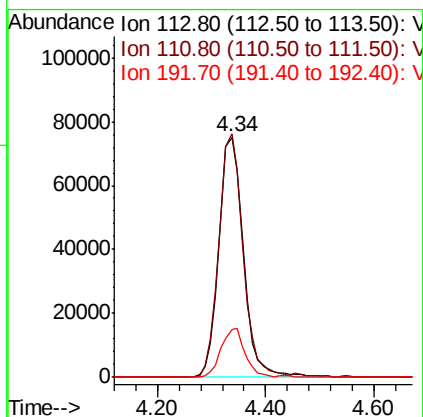
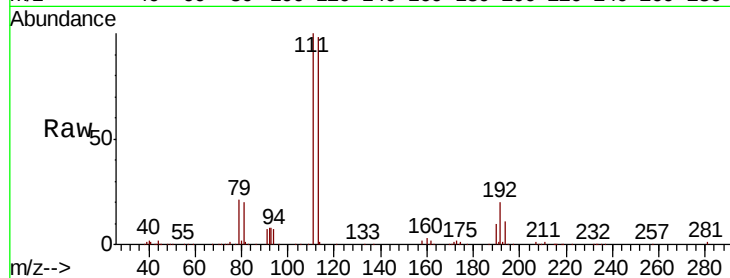




#35
 Dibromofluoromethane
 Concen: 54.722 ug/l
 RT: 4.34 min Scan# 386
 Delta R.T. 0.02 min
 Lab File: VF062305.D
 Acq: 26 Apr 2019 15:07

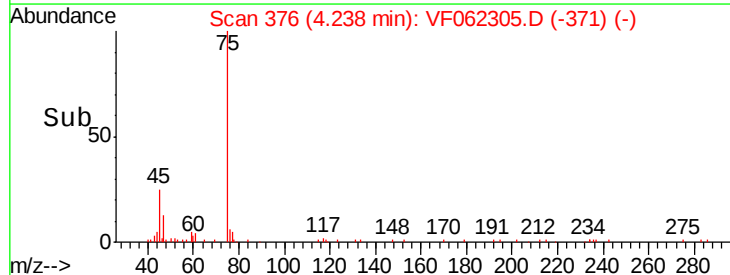
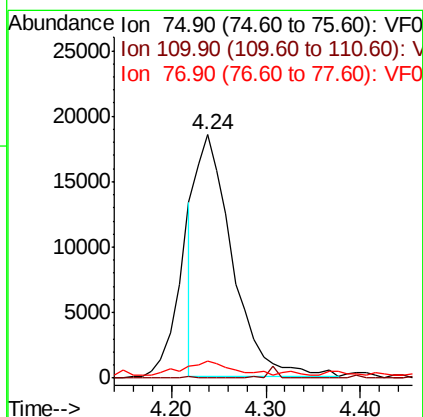
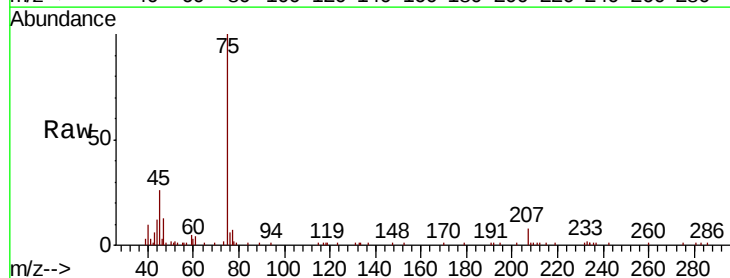
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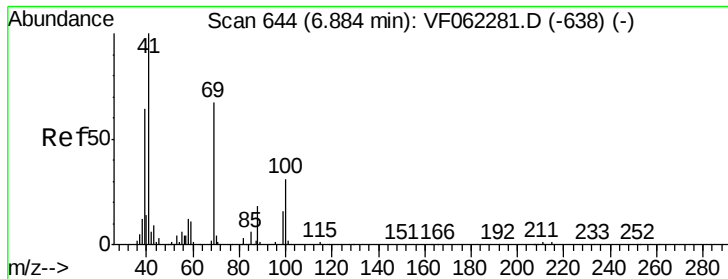
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	81.4	122.2
192	19.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 9.124 ug/l
 RT: 4.24 min Scan# 376
 Delta R.T. -0.25 min
 Lab File: VF062305.D
 Acq: 26 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.8#
77	5.5	24.6	36.8#





#49

1,4-Dioxane

Concen: 14.744 ug/l

RT: 6.92 min Scan# 648

Delta R.T. 0.04 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

Instrument :

MSVOA_F

ClientSampleId :

SSSI-0419-S-DH-6-T

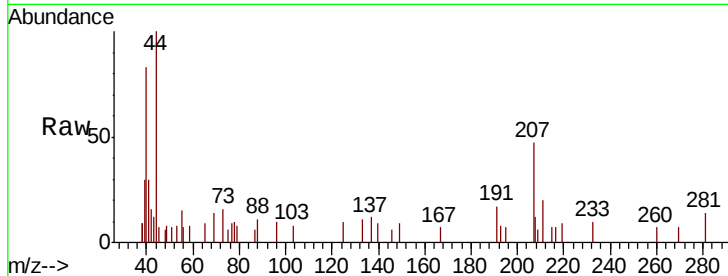
Tot Ion: 88 Resp: 282

Ion Ratio Lower Upper

88 100

43 126.6 34.2 51.4#

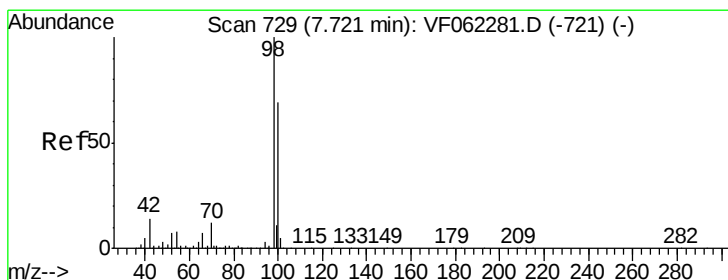
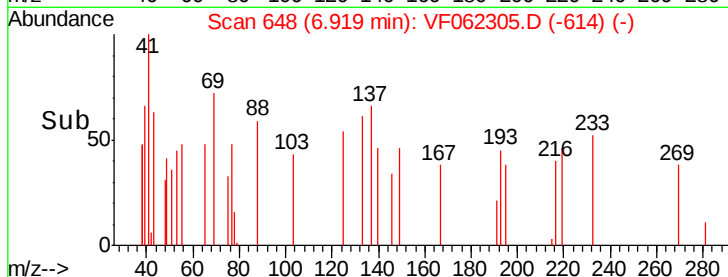
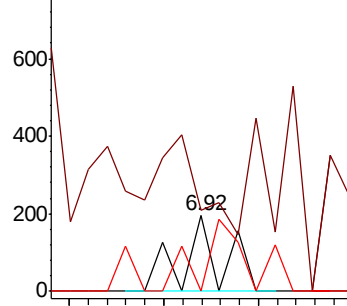
58 114.9 50.7 76.1#



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: 47.580 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.02 min

Lab File: VF062305.D

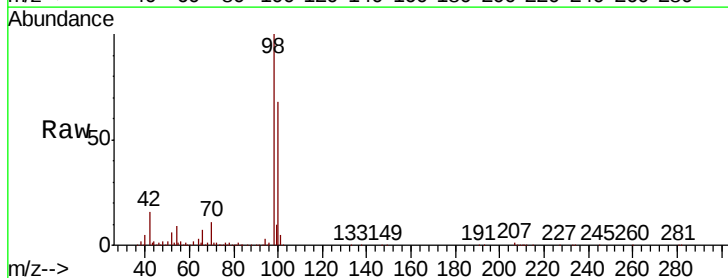
Acq: 26 Apr 2019 15:07

Tgt Ion: 98 Resp: 503331

Ion Ratio Lower Upper

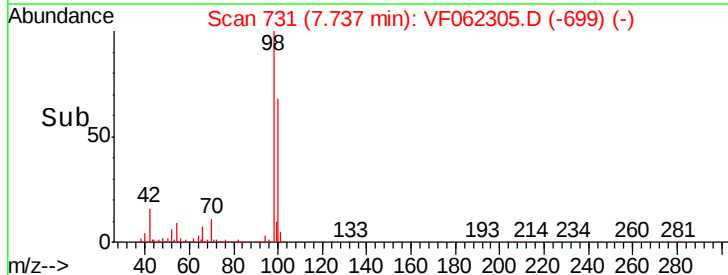
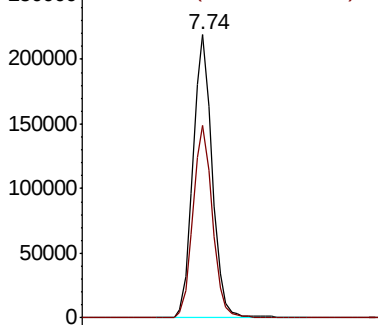
98 100

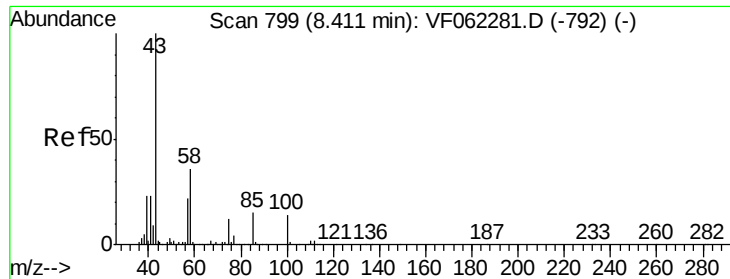
100 68.7 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.715 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

Instrument :

MSVOA_F

ClientSampleId :

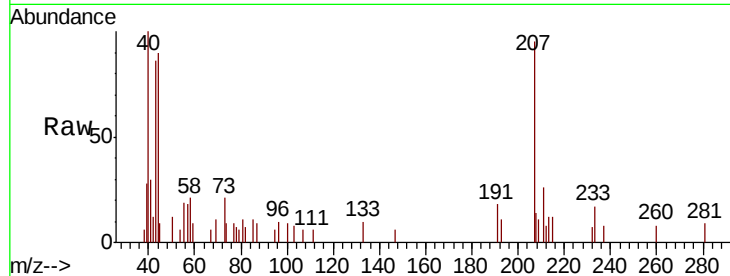
SSSI-0419-S-DH-6-T

Tot Ion: 43 Resp: 4850

Ion Ratio Lower Upper

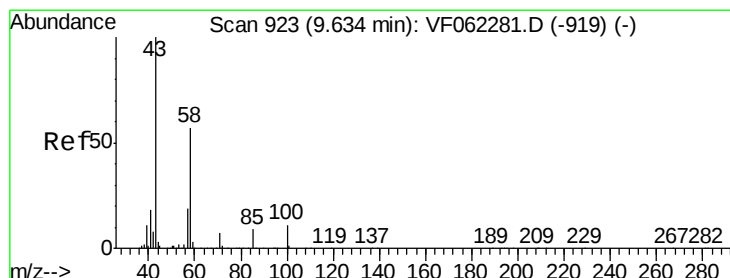
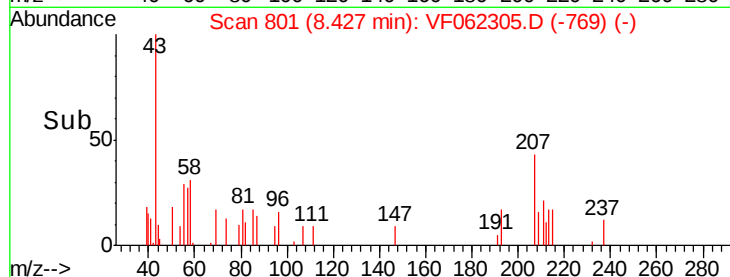
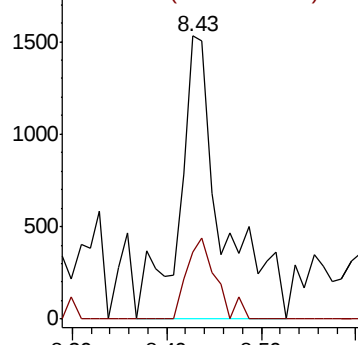
43 100

58 19.3 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: Below Cal

RT: 9.65 min Scan# 925

Delta R.T. 0.02 min

Lab File: VF062305.D

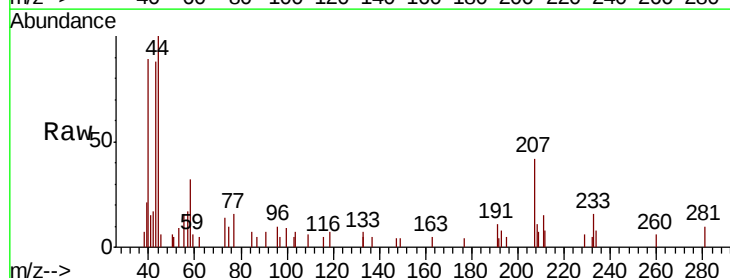
Acq: 26 Apr 2019 15:07

Tgt Ion: 43 Resp: 3330

Ion Ratio Lower Upper

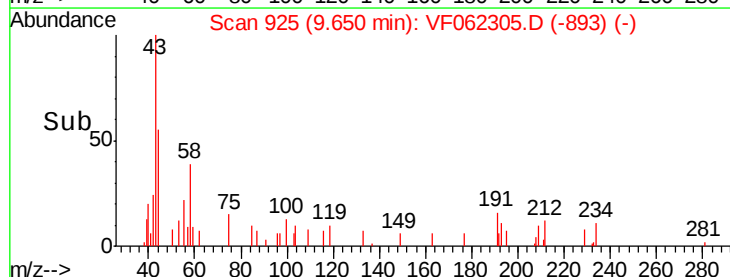
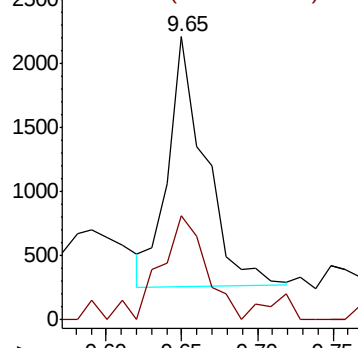
43 100

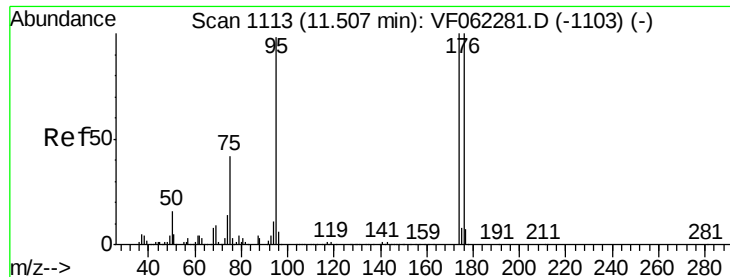
58 51.9 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 56.266 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

Instrument :

MSVOA_F

ClientSampleId :

SSSI-0419-S-DH-6-T

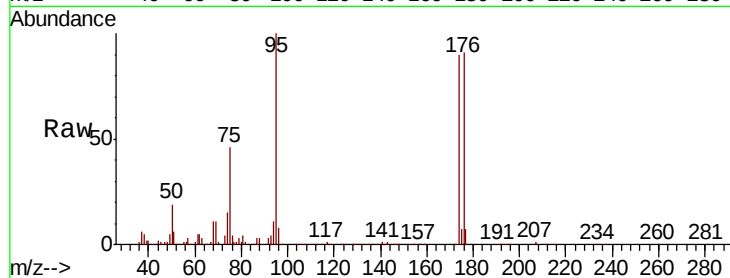
Tot Ion: 95 Resp: 245338

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

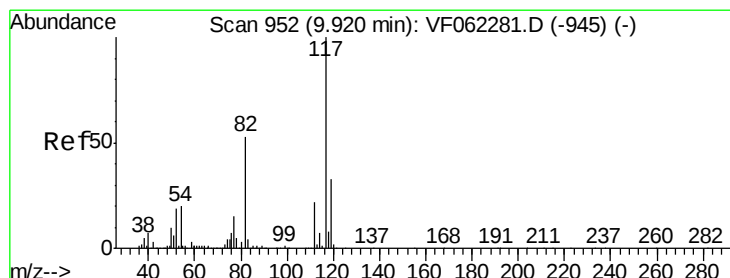
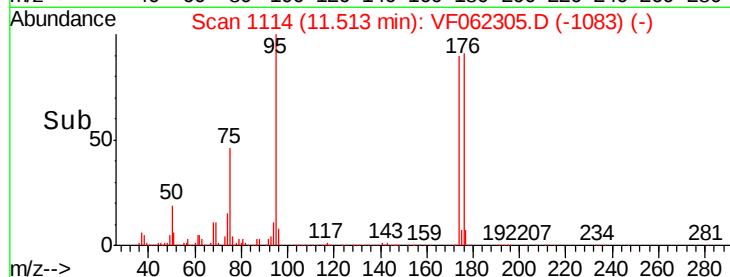
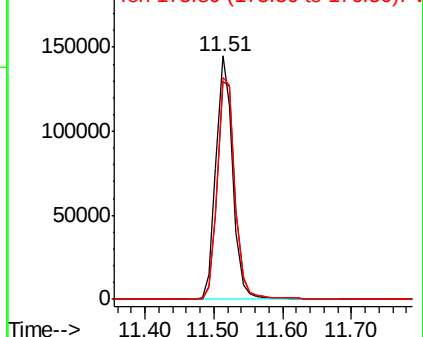
176 95.8 0.0 184.8



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# 954

Delta R.T. 0.02 min

Lab File: VF062305.D

Acq: 26 Apr 2019 15:07

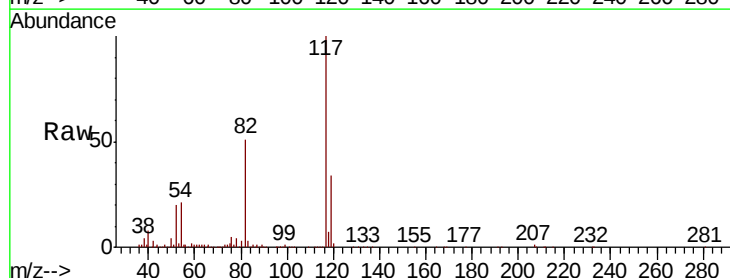
Tgt Ion: 117 Resp: 492456

Ion Ratio Lower Upper

117 100

82 51.0 42.6 64.0

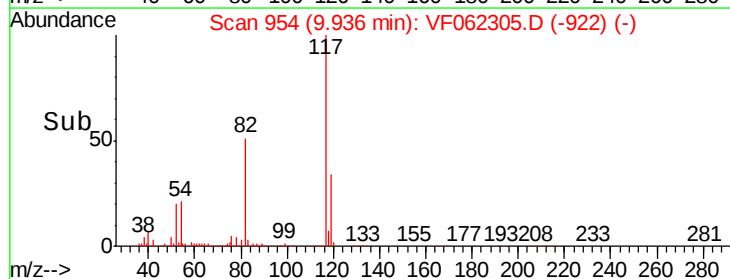
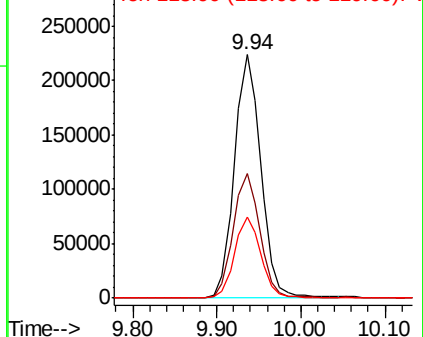
119 33.5 26.1 39.1

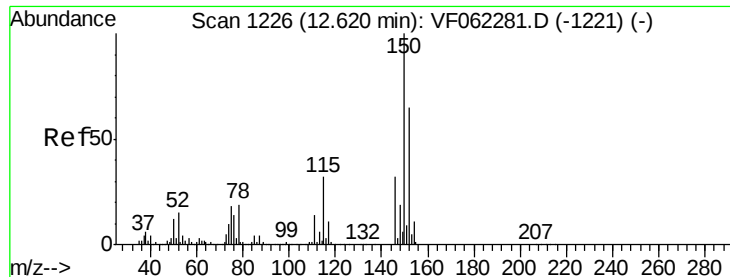


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



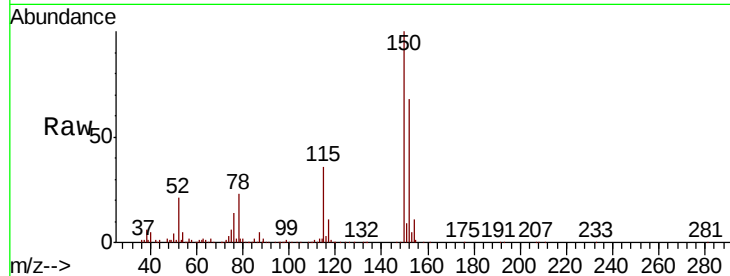


#72

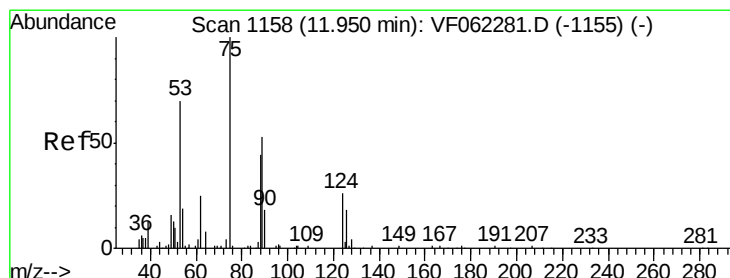
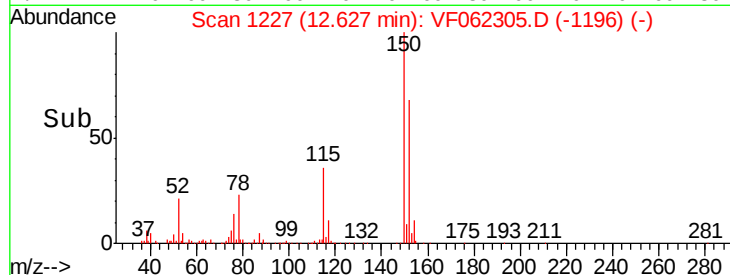
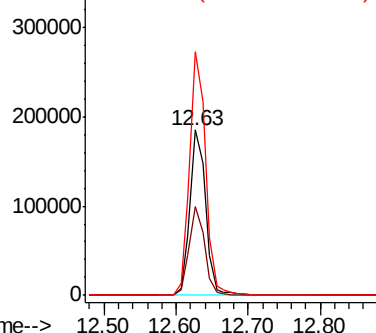
1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062305.D
 Acq: 26 Apr 2019 15:07

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0419-S-DH-6-T

Tot Ion:152 Resp: 277774
 Ion Ratio Lower Upper
 152 100
 115 53.6 25.6 76.8
 150 149.9 0.0 330.6



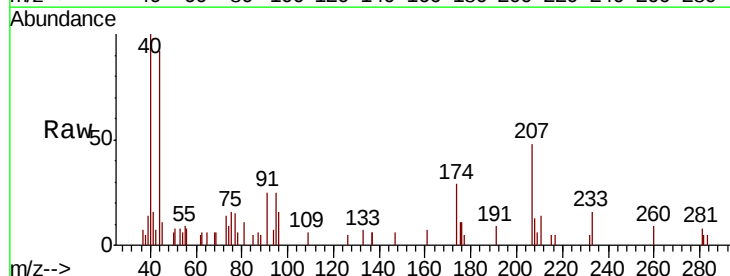
Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
 Concen: 1.172 ug/l
 RT: 11.98 min Scan# 1161
 Delta R.T. 0.03 min
 Lab File: VF062305.D
 Acq: 26 Apr 2019 15:07

Tgt Ion: 75 Resp: 1124
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.1 100.7#
 89 45.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 53.00 (52.70 to 53.70): VF0
 Ion 88.90 (88.60 to 89.60): VF0

