

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062304.D
 Acq On : 26 Apr 2019 14:29
 Operator : FY/SY
 Sample : VF0426SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBL01

Quant Time: Apr 27 00:34:57 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	417970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	566305	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	437348	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	278902	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	186782	55.17	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.34%	
35) Dibromofluoromethane	4.33	113	240351	57.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.48%	
50) Toluene-d8	7.73	98	493746	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.52	95	232841	55.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.16%	

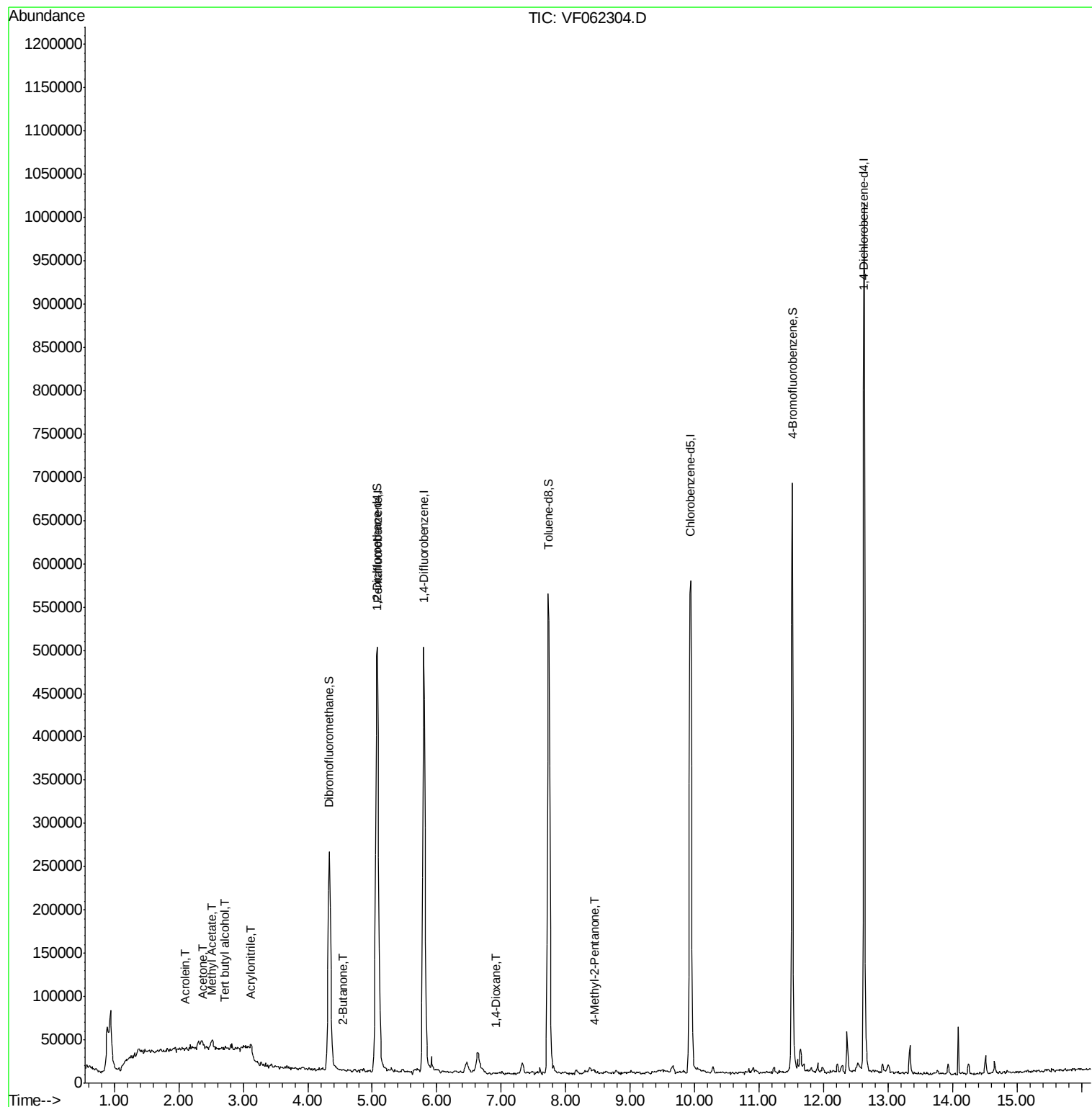
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	788	3.848	ug/l #	71
13) Acrolein	2.10	56	1098	13.780	ug/l #	10
15) Acrylonitrile	3.11	53	1635	2.882	ug/l #	82
16) Acetone	2.38	43	5069	6.687	ug/l #	89
18) Methyl Acetate	2.51	43	5569	1.019	ug/l #	59
20) Methylene Chloride	2.35	84	8221	Below Cal		93
25) 2-Butanone	4.56	43	3288	2.736	ug/l #	60
43) Isopropyl Acetate	7.13	43	457	Below Cal	#	99
49) 1,4-Dioxane	6.90	88	362	19.522	ug/l #	52
51) 4-Methyl-2-Pentanone	8.44	43	5502	3.177	ug/l	97
59) 2-Hexanone	9.64	43	6103	Below Cal		98

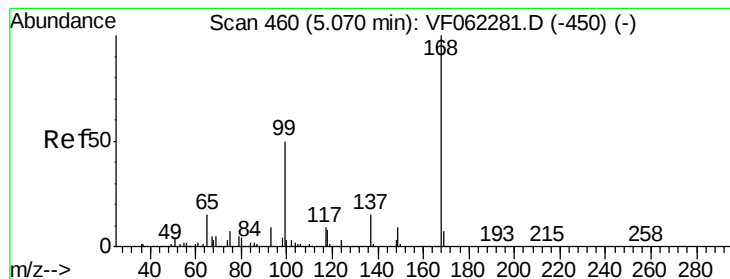
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042619\
Data File : VF062304.D
Acq On : 26 Apr 2019 14:29
Operator : FY/SY
Sample : VF0426SBL01
Misc : 5.00µg/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBL01

Quant Time: Apr 27 00:34:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
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: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062304.D

Acq: 26 Apr 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

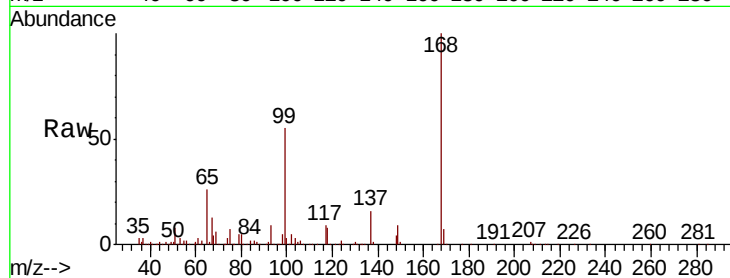
VF0426SBL01

Tot Ion:168 Resp: 417970

Ion Ratio Lower Upper

168 100

99 55.0 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

150000

100000

50000

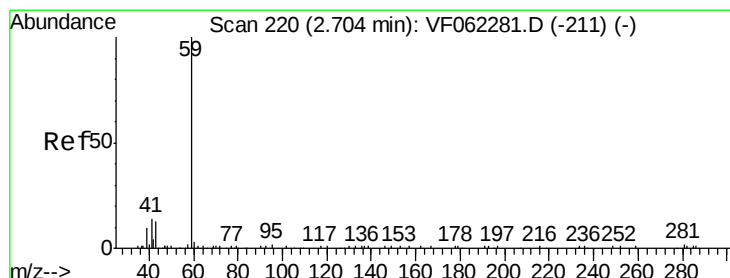
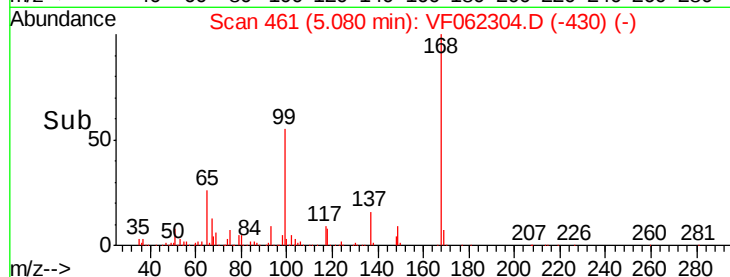
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Time-->

5.00

5.20

5.40



#11

Tert butyl alcohol

Concen: 3.848 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF062304.D

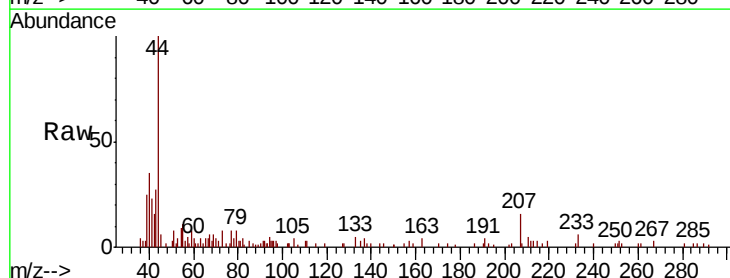
Acq: 26 Apr 2019 14:29

Tgt Ion: 59 Resp: 788

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.71

800

600

400

200

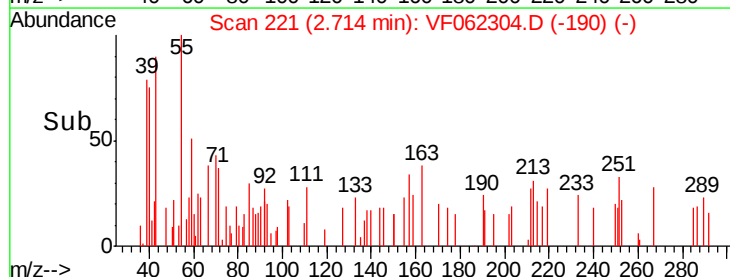
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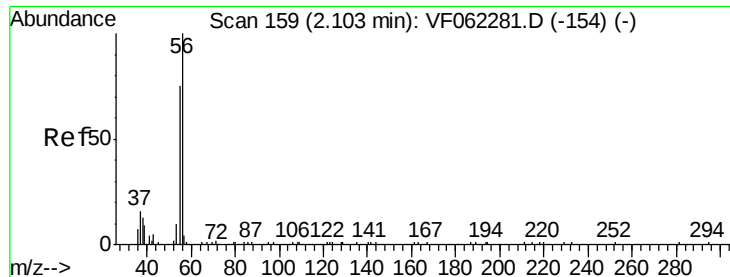
Time-->

2.65

2.70

2.75





#13

Acrolein

Concen: 13.780 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF062304.D

Acq: 26 Apr 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

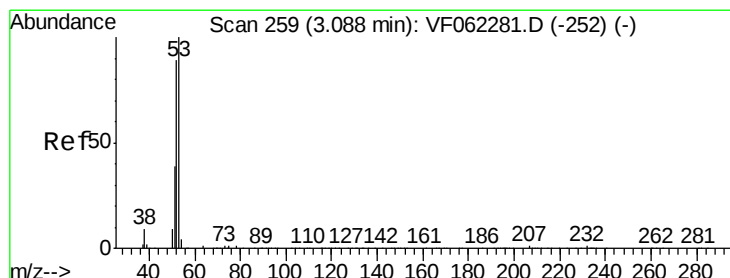
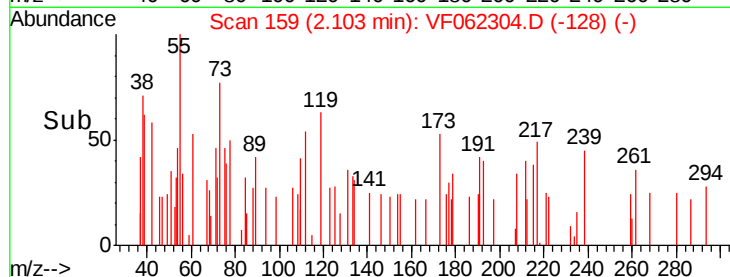
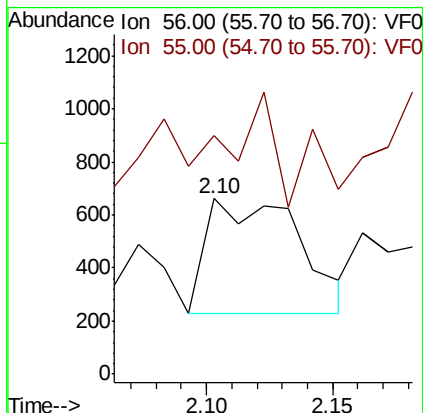
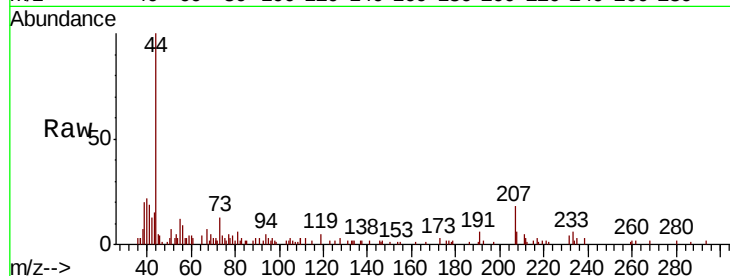
VF0426SBL01

Tot Ion: 56 Resp: 1098

Ion Ratio Lower Upper

56 100

55 0.0 62.3 93.5#



#15

Acrylonitrile

Concen: 2.882 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF062304.D

Acq: 26 Apr 2019 14:29

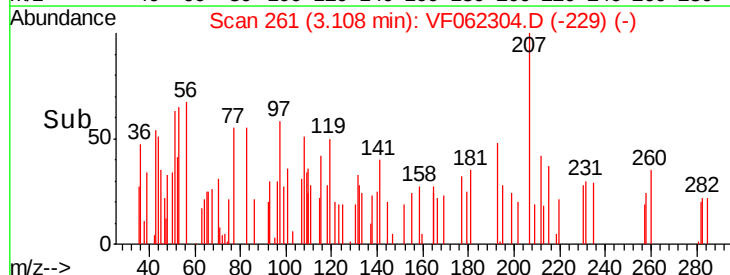
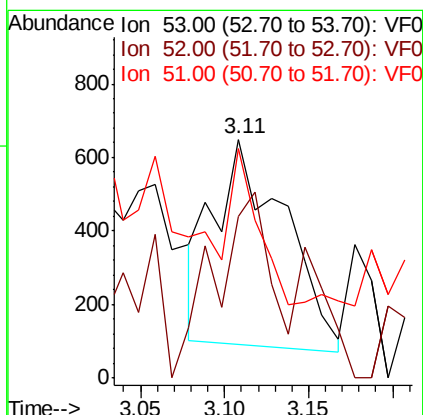
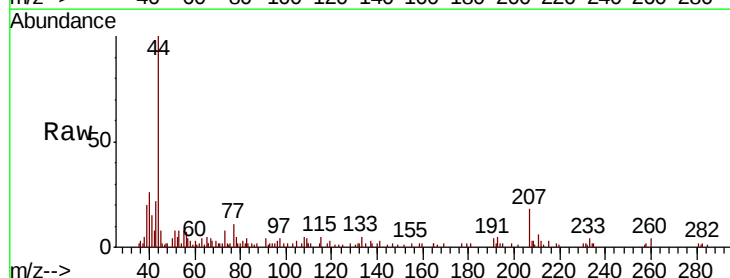
Tgt Ion: 53 Resp: 1635

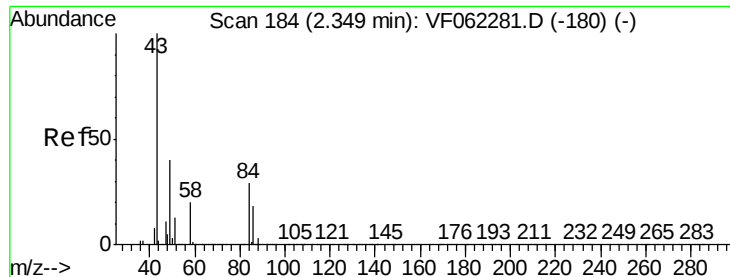
Ion Ratio Lower Upper

53 100

52 72.7 70.6 105.8

51 27.3 32.6 48.8#





#16

Acetone

Concen: 6.687 ug/l

RT: 2.38 min Scan# 187

Delta R.T. 0.03 min

Lab File: VF062304.D

Acq: 26 Apr 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

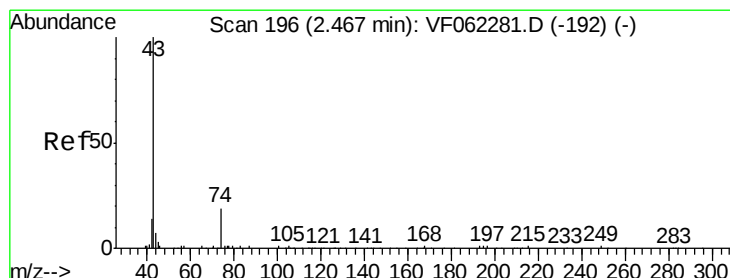
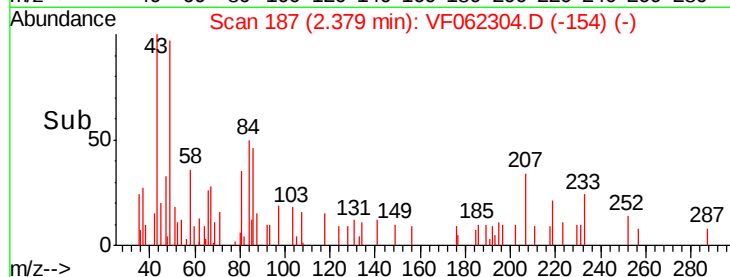
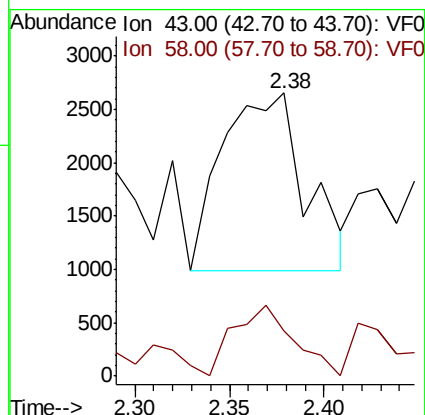
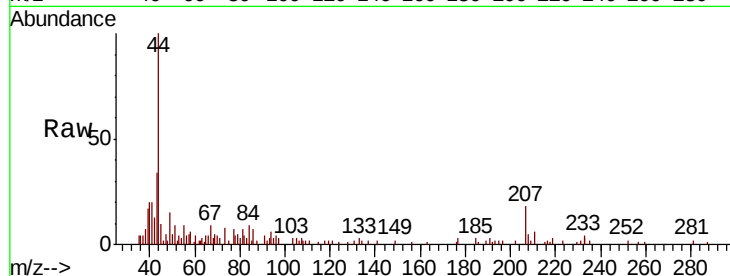
VF0426SBL01

Tot Ion: 43 Resp: 5069

Ion Ratio Lower Upper

43 100

58 25.8 16.4 24.6#



#18

Methyl Acetate

Concen: 1.019 ug/l

RT: 2.51 min Scan# 200

Delta R.T. 0.04 min

Lab File: VF062304.D

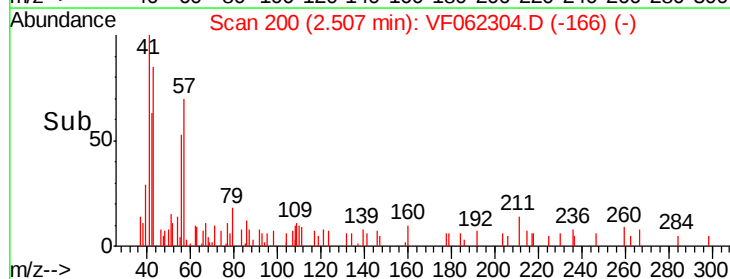
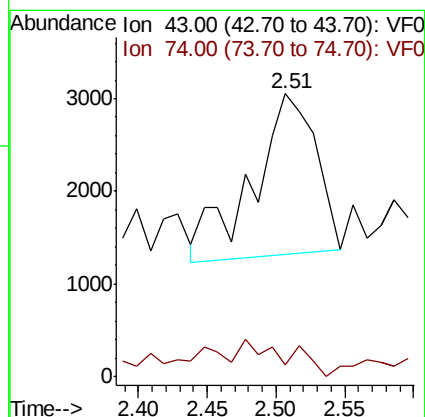
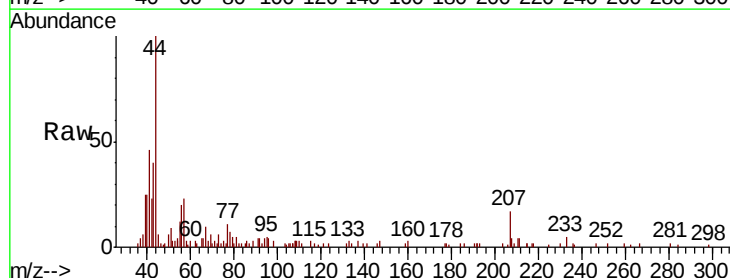
Acq: 26 Apr 2019 14:29

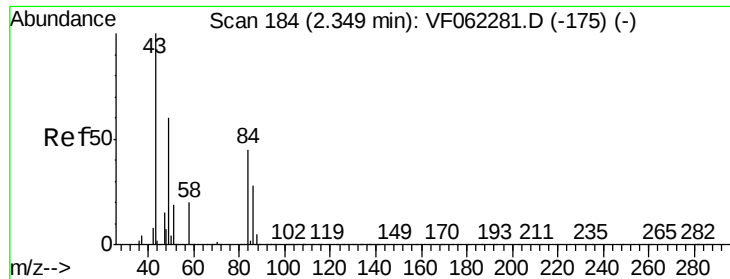
Tgt Ion: 43 Resp: 5569

Ion Ratio Lower Upper

43 100

74 0.0 14.4 21.6#

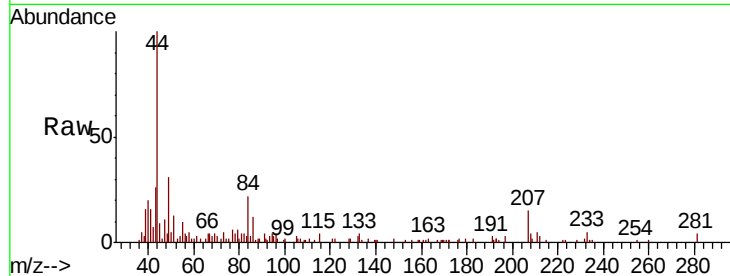




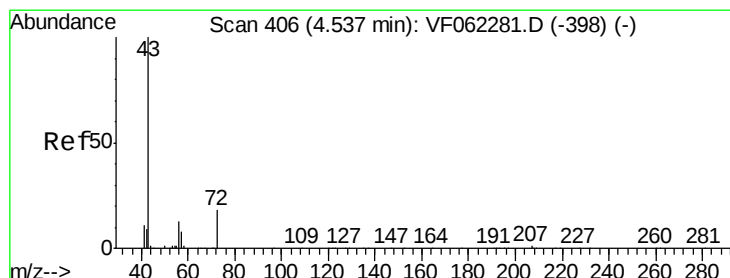
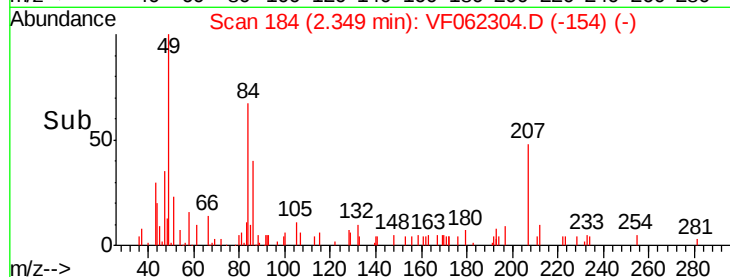
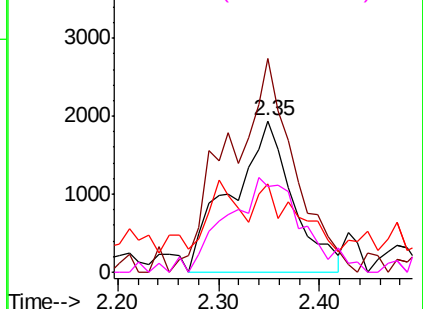
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062304.D
Acq: 26 Apr 2019 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBL01

Tot Ion:	84	Resp:	8221
Ion	Ratio	Lower	Upper
84	100		
49	130.2	112.1	168.1
51	44.5	35.9	53.9
86	56.6	49.9	74.9

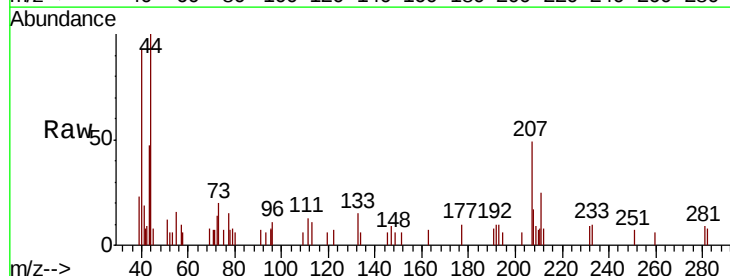


Abundance Ion 83.90 (83.60 to 84.60): VF0
Ion 48.90 (48.60 to 49.60): VF0
Ion 50.90 (50.60 to 51.60): VF0
Ion 85.90 (85.60 to 86.60): VF0

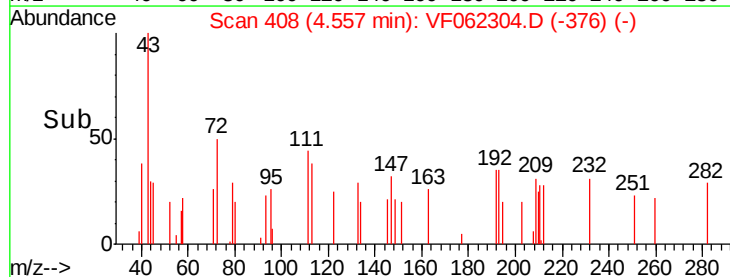
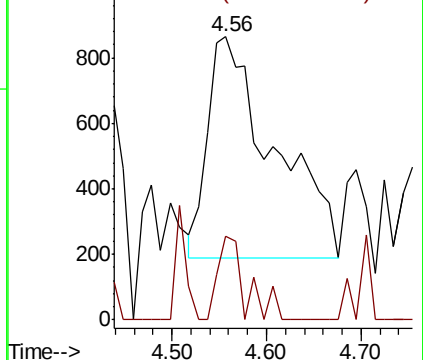


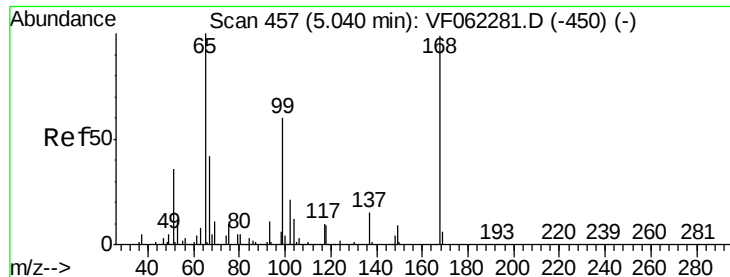
#25
2-Butanone
Concen: 2.736 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF062304.D
Acq: 26 Apr 2019 14:29

Tgt Ion:	43	Resp:	3288
Ion	Ratio	Lower	Upper
43	100		
72	37.8	15.8	23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 55.169 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062304.D

Acq: 26 Apr 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

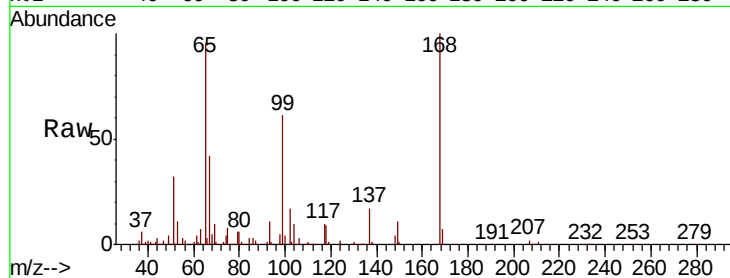
VF0426SBL01

Tot Ion: 65 Resp: 186782

Ion Ratio Lower Upper

65 100

67 49.1 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.06

60000

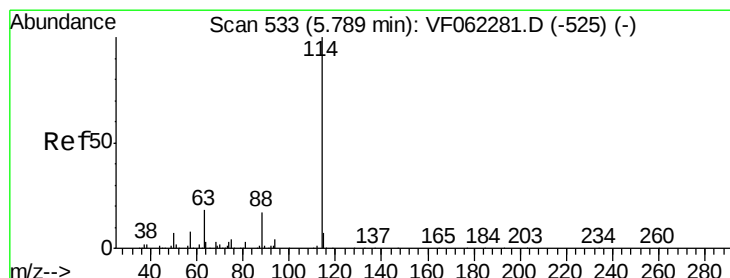
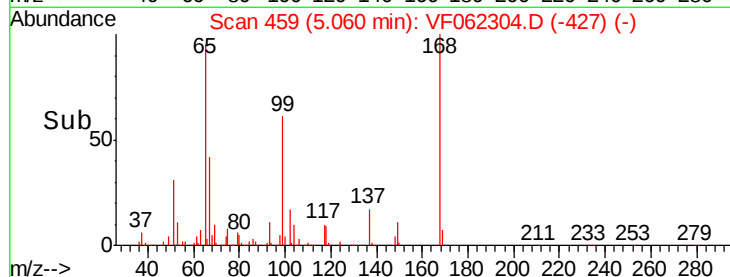
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062304.D

Acq: 26 Apr 2019 14:29

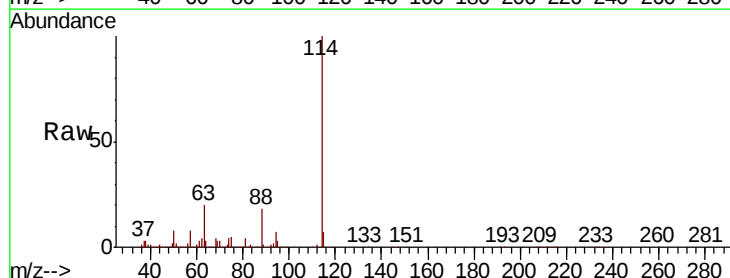
Tgt Ion: 114 Resp: 566305

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.6

88 17.9 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

250000

200000

150000

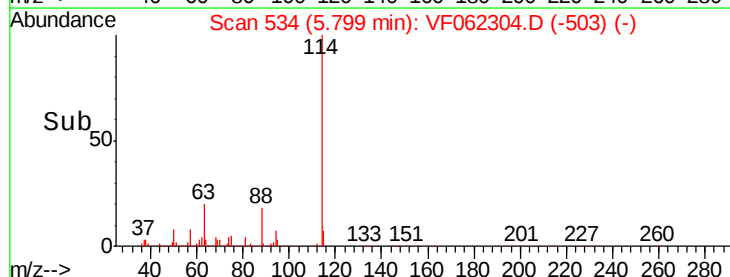
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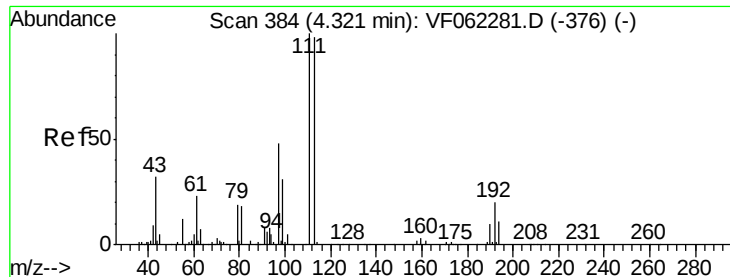
50000

0

Time-->

5.70 5.80 5.90

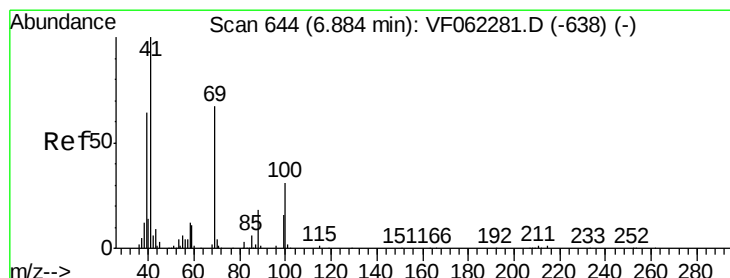
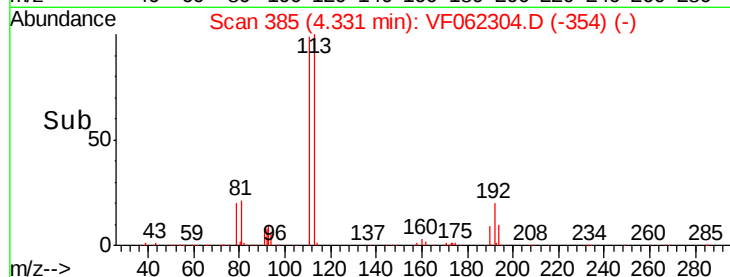
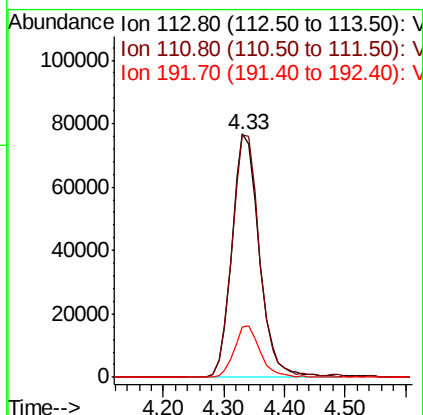
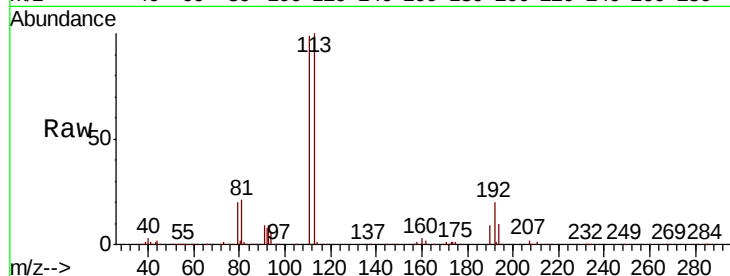




#35
 Dibromofluoromethane
 Concen: 57.242 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062304.D
 Acq: 26 Apr 2019 14:29

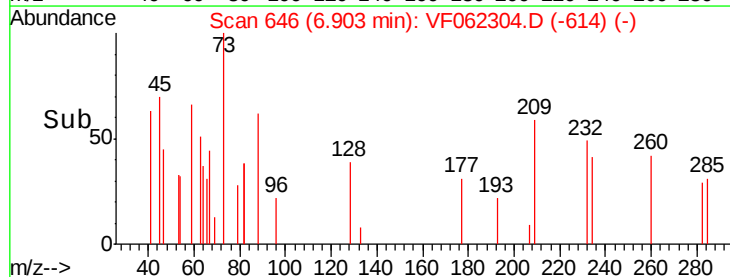
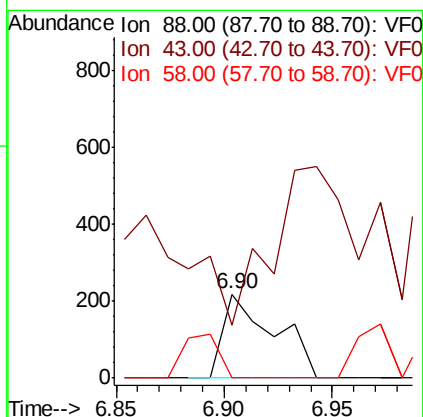
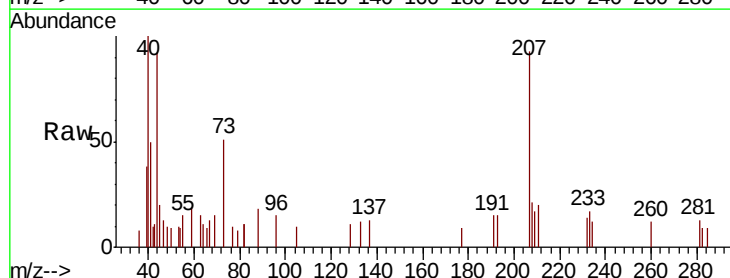
Instrument :
 MSVOA_F
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 VF0426SBL01

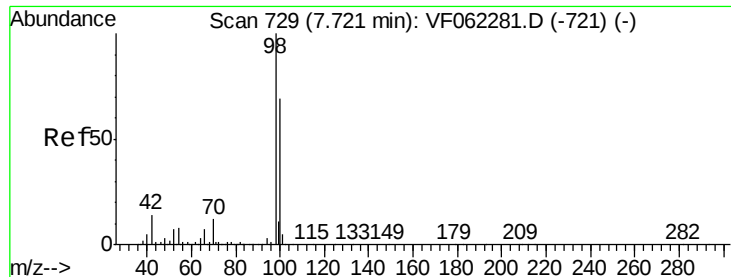
Tot Ion:113 Resp: 240351
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.4 122.2
 192 20.4 17.0 25.4



#49
 1,4-Dioxane
 Concen: 19.522 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.02 min
 Lab File: VF062304.D
 Acq: 26 Apr 2019 14:29

Tgt Ion: 88 Resp: 362
 Ion Ratio Lower Upper
 88 100
 43 0.0 34.2 51.4#
 58 35.6 50.7 76.1#





#50

Toluene-d8

Concen: 48.141 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062304.D

Acq: 26 Apr 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

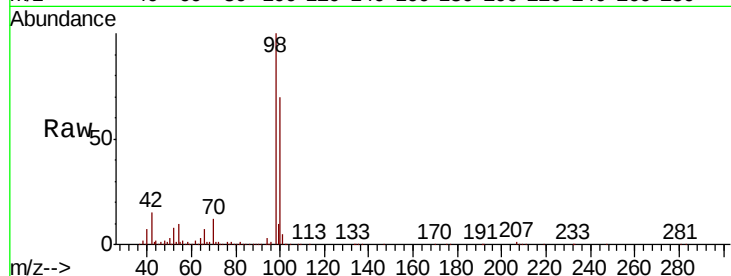
VF0426SBL01

Tot Ion: 98 Resp: 493746

Ion Ratio Lower Upper

98 100

100 68.3 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.73

200000

150000

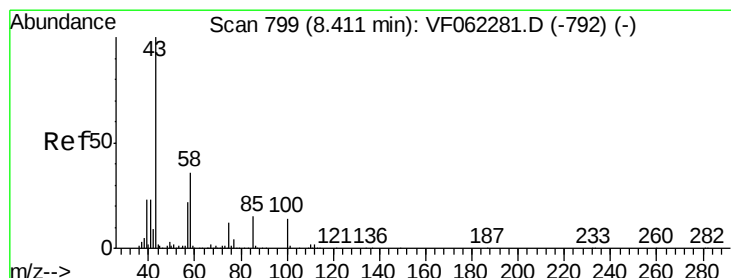
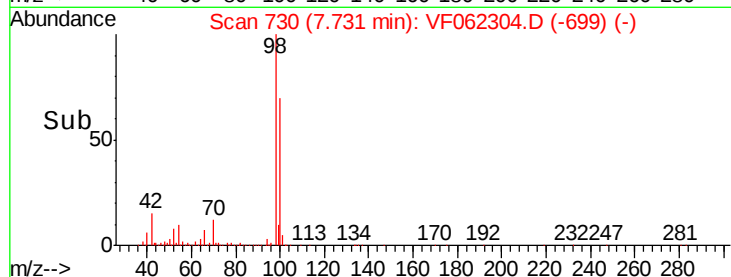
100000

50000

0

Time-->

7.60 7.70 7.80 7.90



#51

4-Methyl-2-Pentanone

Concen: 3.177 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062304.D

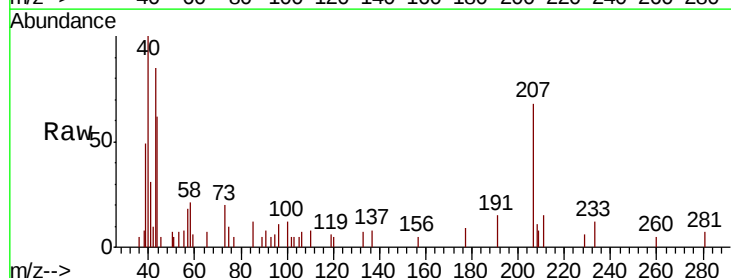
Acq: 26 Apr 2019 14:29

Tgt Ion: 43 Resp: 5502

Ion Ratio Lower Upper

43 100

58 34.7 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.44

2000

1500

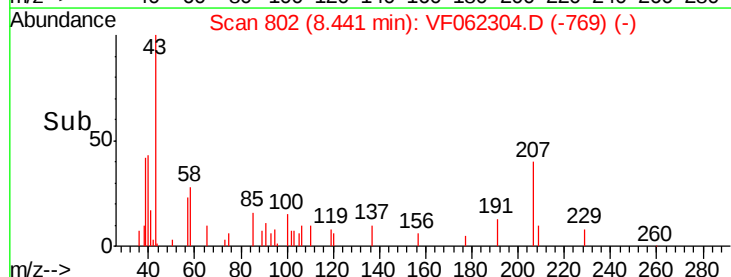
1000

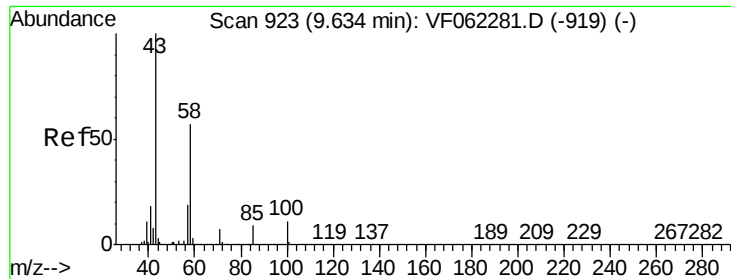
500

0

Time-->

8.30 8.40 8.50 8.60

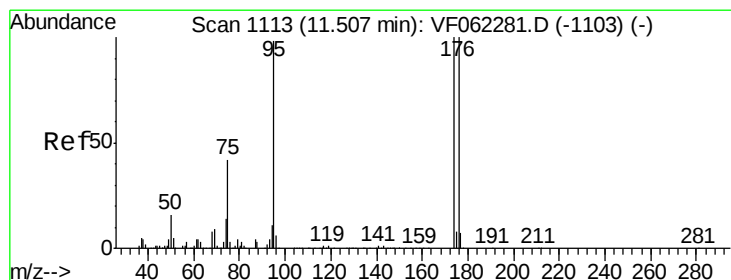
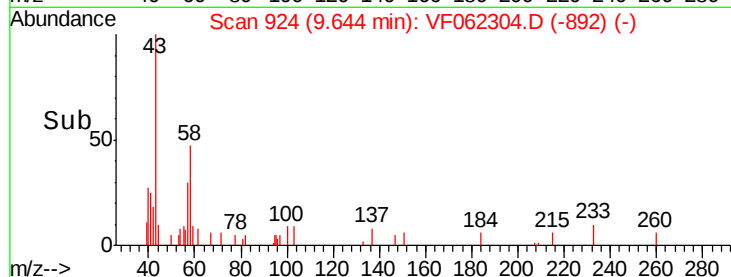
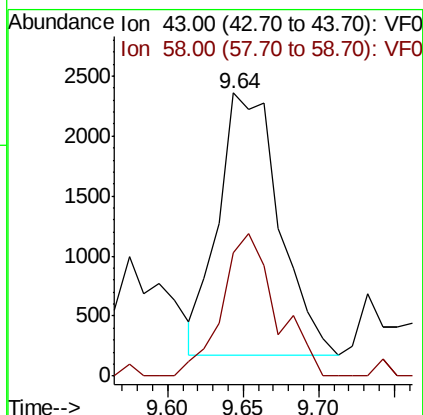
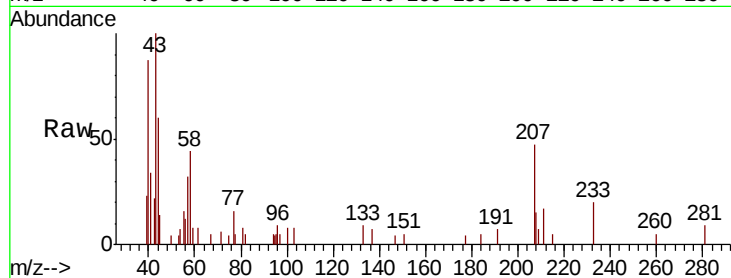




#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062304.D
Acq: 26 Apr 2019 14:29

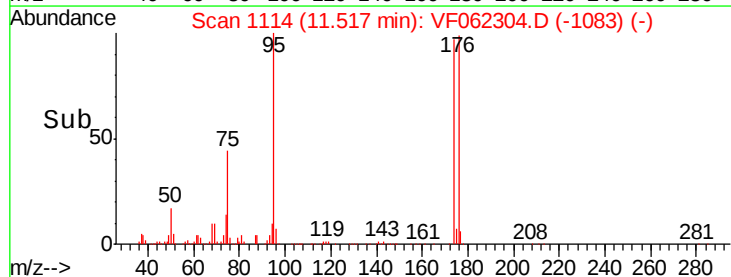
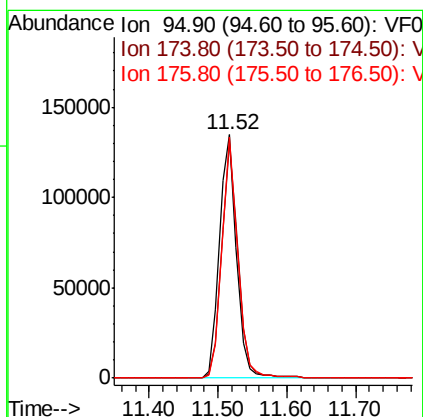
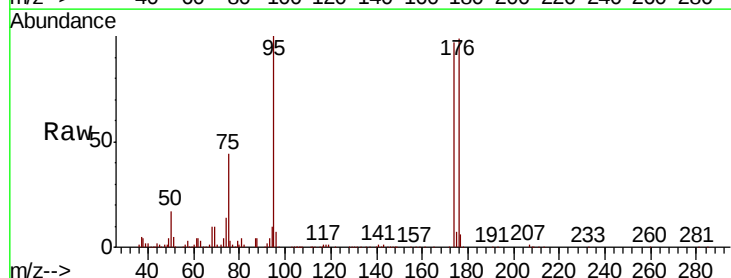
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBL01

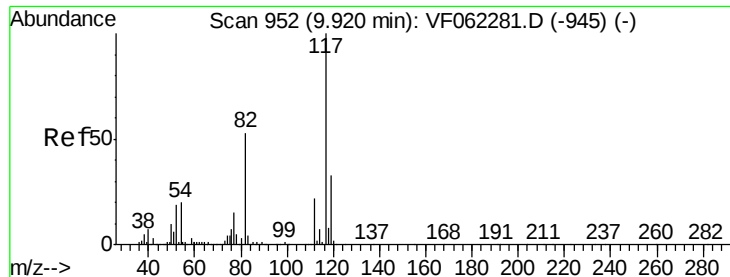
Tot Ion: 43 Resp: 6103
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 55.078 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF062304.D
Acq: 26 Apr 2019 14:29

Tgt Ion: 95 Resp: 232841
Ion Ratio Lower Upper
95 100
174 92.7 0.0 185.2
176 92.9 0.0 184.8

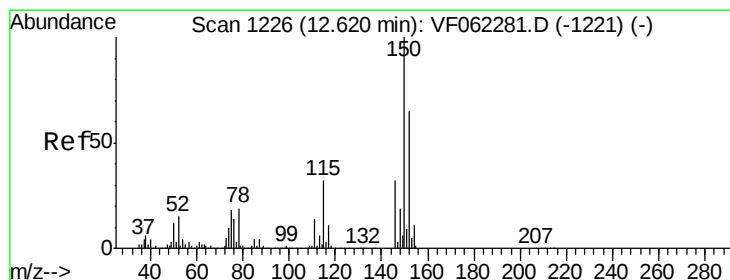
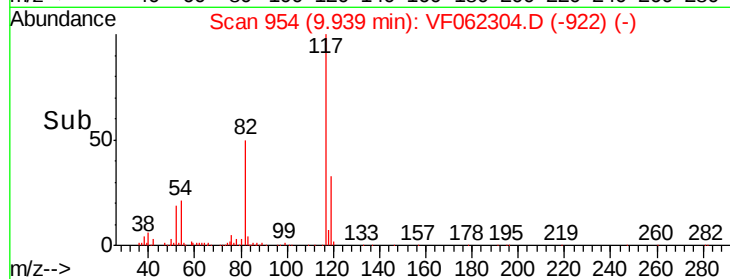
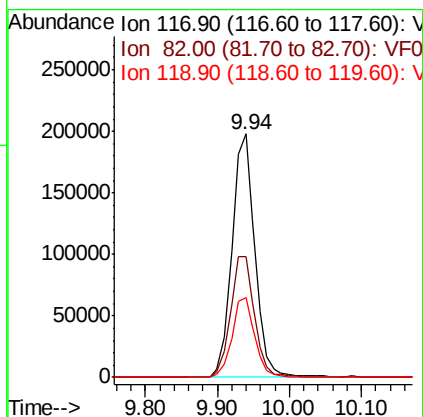
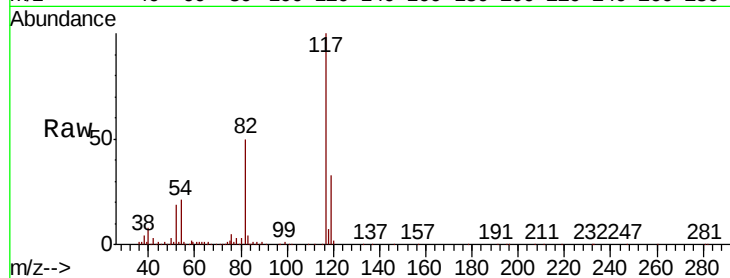




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062304.D
Acq: 26 Apr 2019 14:29

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	42.6	64.0
119	32.7	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062304.D
Acq: 26 Apr 2019 14:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	25.6	76.8
150	151.6	0.0	330.6

