

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062440.D
 Acq On : 11 May 2019 1:49
 Operator : FY/SY
 Sample : K2746-01
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 COMP-5.8.19

Quant Time: May 11 05:40:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

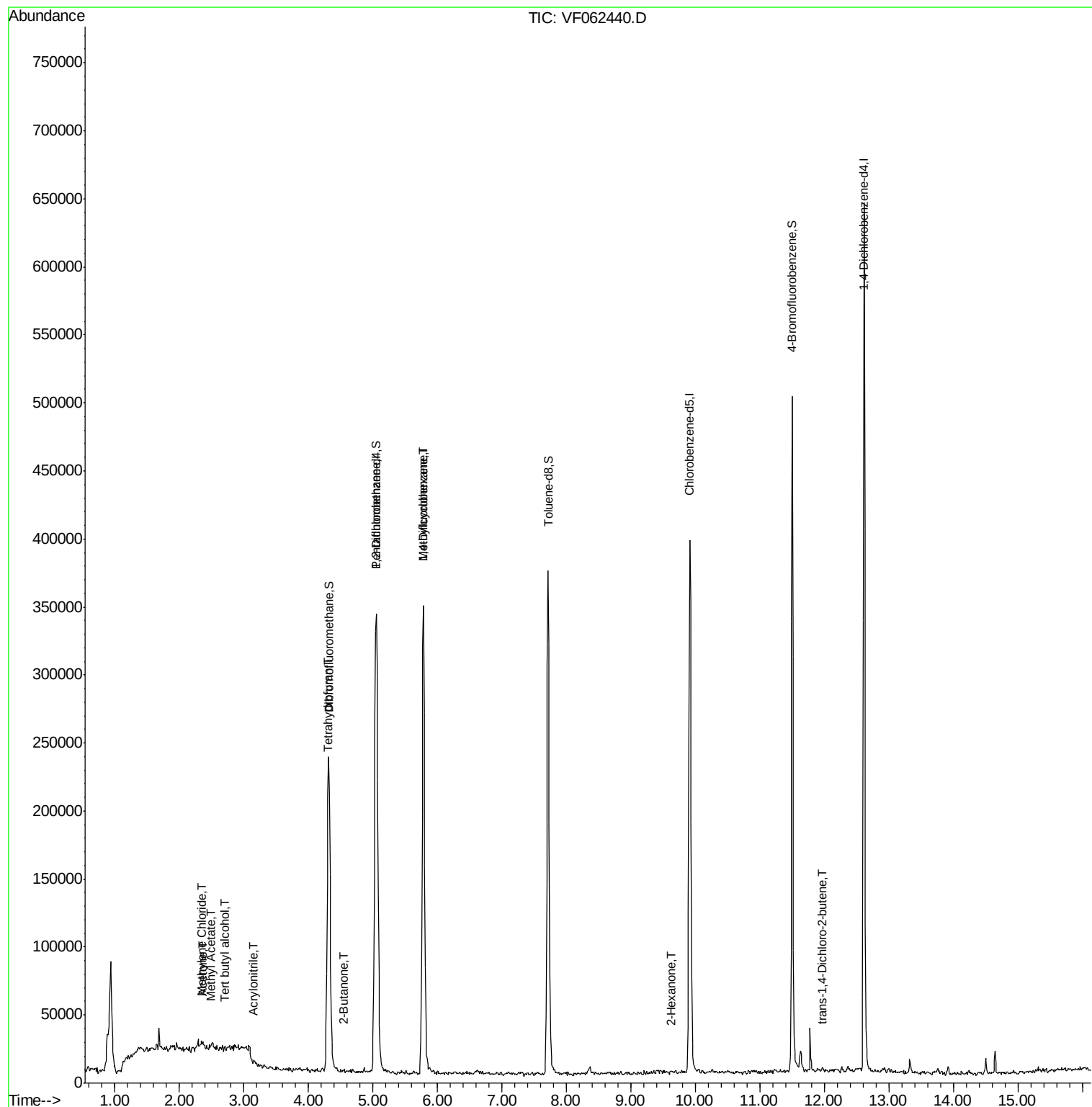
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	239181	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	373572	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	289580	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	164978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	190573	84.31	ug/l	0.02
Spiked Amount 50.000			Recovery	=	168.62%	
35) Dibromofluoromethane	4.31	113	209324	70.33	ug/l	0.01
Spiked Amount 50.000			Recovery	=	140.66%	
50) Toluene-d8	7.71	98	315176	43.75	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.50%	
62) 4-Bromofluorobenzene	11.50	95	157441	48.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.88%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.42	94	870	Below Cal	#	3
11) Tert butyl alcohol	2.71	59	464	3.632	ug/l #	1
13) Acrolein	2.12	56	588	Below Cal	#	1
15) Acrylonitrile	3.14	53	652	2.694	ug/l #	26
16) Acetone	2.36	43	4319	9.446	ug/l #	82
18) Methyl Acetate	2.48	43	4123	1.933	ug/l #	63
20) Methylene Chloride	2.34	84	2889	1.746	ug/l #	80
25) 2-Butanone	4.56	43	1495	2.602	ug/l #	64
29) Tetrahydrofuran	4.29	42	731	2.769	ug/l #	45
37) Ethyl Acetate	4.28	43	755	Below Cal	#	92
38) Carbon Tetrachloride	4.07	117	79	Below Cal	#	14
39) Methylcyclohexane	5.77	83	5824	1.810	ug/l #	36
49) 1,4-Dioxane	6.88	88	60	Below Cal	#	1
59) 2-Hexanone	9.62	43	1475	1.928	ug/l #	60
81) trans-1,4-Dichloro-2-buten	11.95	75	977	2.225	ug/l #	20

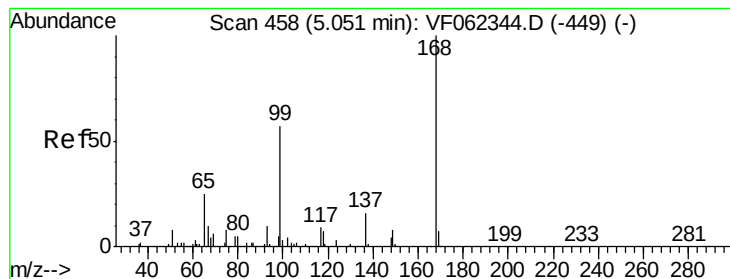
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VF062440.D
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

Instrument :

MSVOA_F

ClientSampleId :

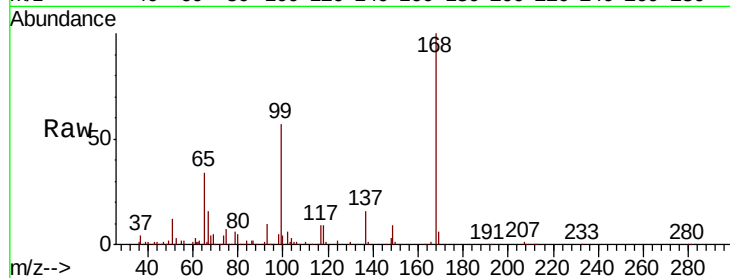
COMP-5.8.19

Tot Ion:168 Resp: 239181

Ion Ratio Lower Upper

168 100

99 57.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

80000

60000

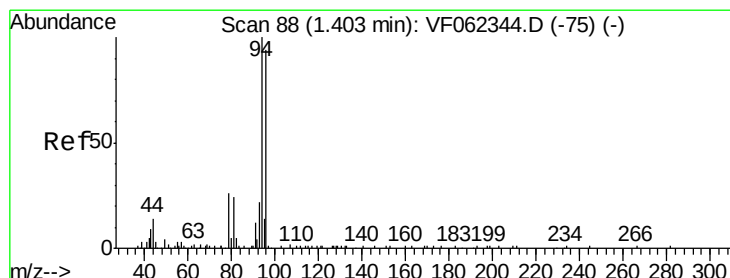
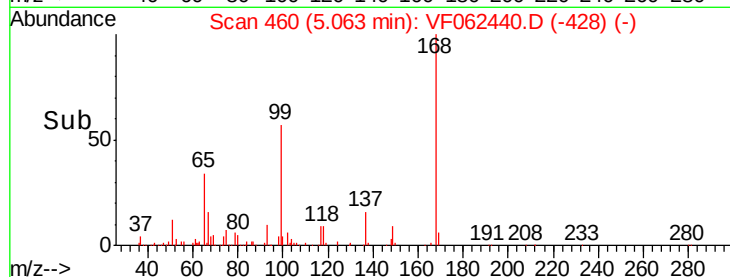
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF062440.D

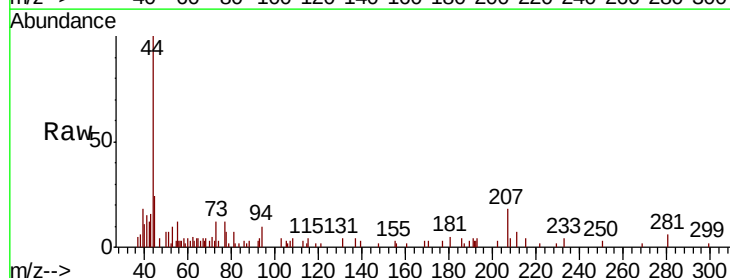
Acq: 11 May 2019 1:49

Tgt Ion: 94 Resp: 870

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.42

600

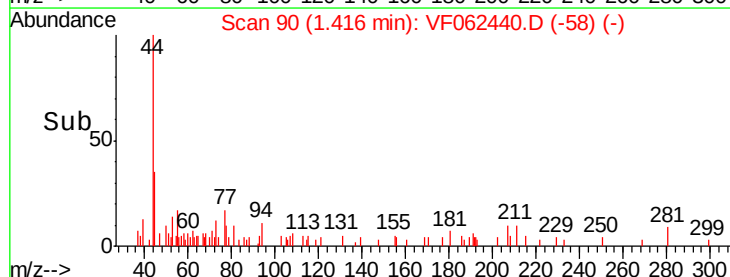
400

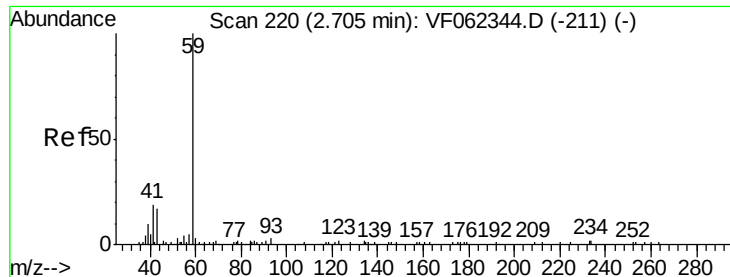
200

0

Time-->

1.35 1.40 1.45



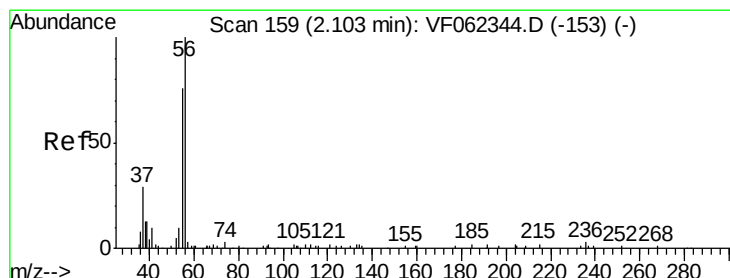
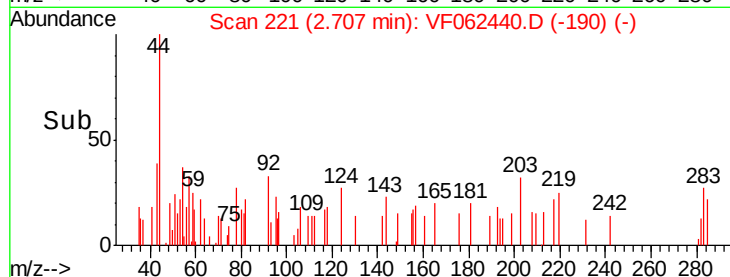
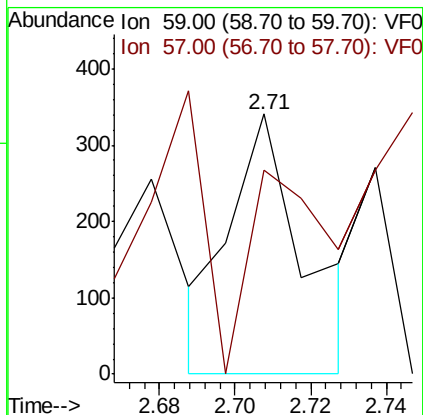
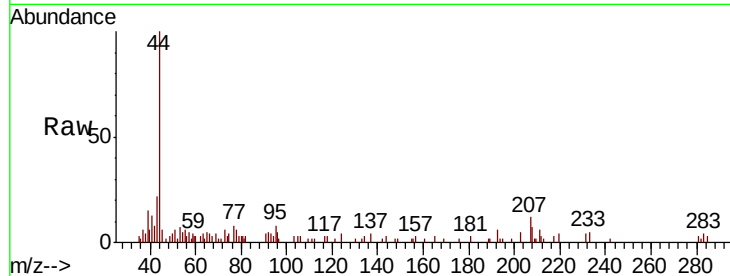


#11

Tert butyl alcohol
 Concen: 3.632 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF062440.D
 Acq: 11 May 2019 1:49

Instrument :
 MSVOA_F
 ClientSampleId :
 COMP-5.8.19

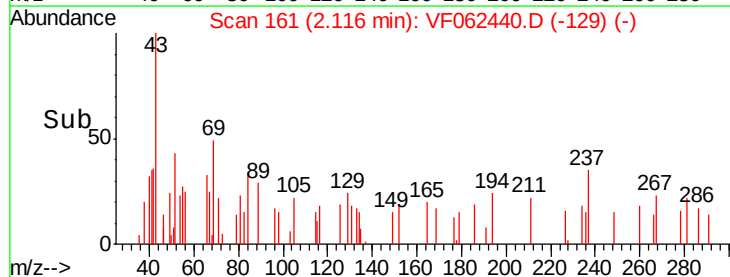
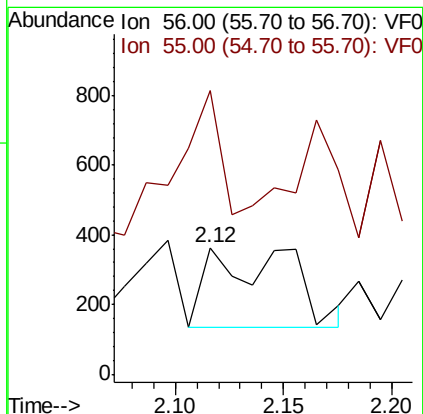
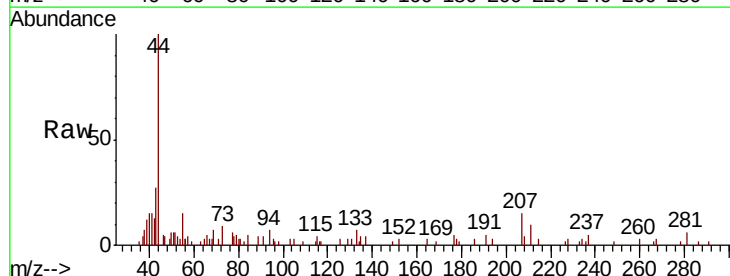
Tot Ion: 59 Resp: 464
 Ion Ratio Lower Upper
 59 100
 57 84.3 9.3 13.9#

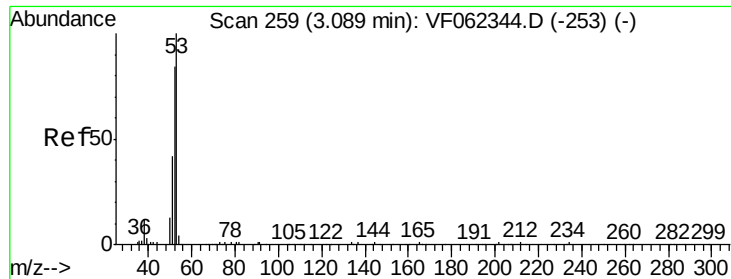


#13

Acrolein
 Concen: Below Cal
 RT: 2.12 min Scan# 161
 Delta R.T. 0.01 min
 Lab File: VF062440.D
 Acq: 11 May 2019 1:49

Tgt Ion: 56 Resp: 588
 Ion Ratio Lower Upper
 56 100
 55 200.2 58.4 87.6#





#15

Acrylonitrile

Concen: 2.694 ug/l

RT: 3.14 min Scan# 265

Delta R.T. 0.05 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

Instrument :

MSVOA_F

ClientSampleId :

COMP-5.8.19

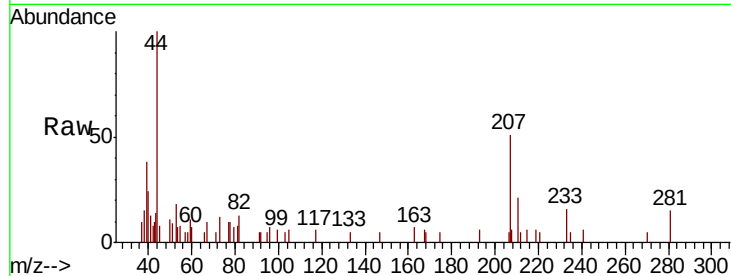
Tot Ion: 53 Resp: 652

Ion Ratio Lower Upper

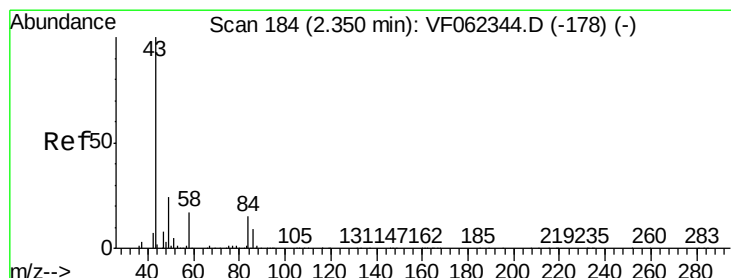
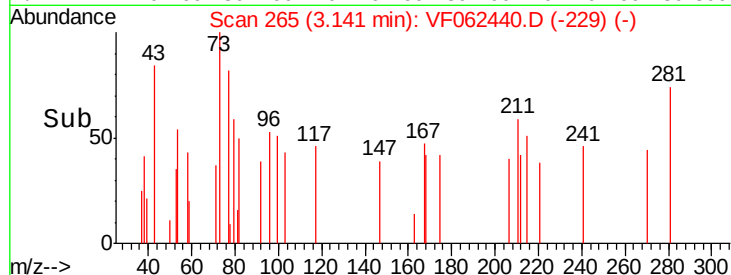
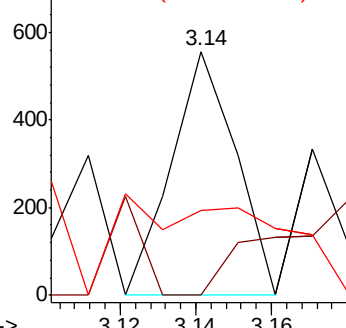
53 100

52 20.6 77.2 115.8#

51 96.6 40.6 61.0#



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: 9.446 ug/l

RT: 2.36 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062440.D

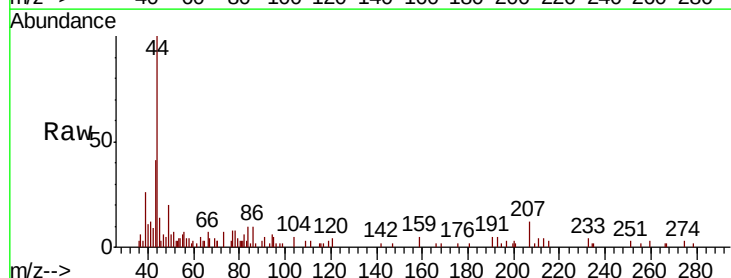
Acq: 11 May 2019 1:49

Tgt Ion: 43 Resp: 4319

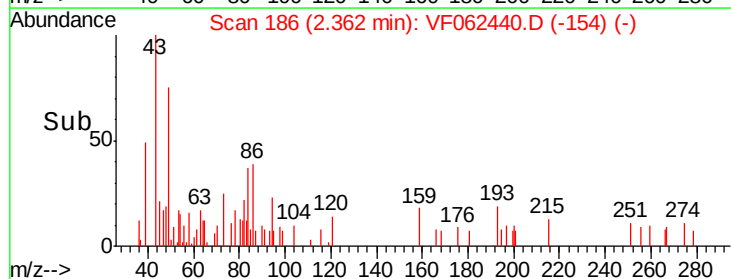
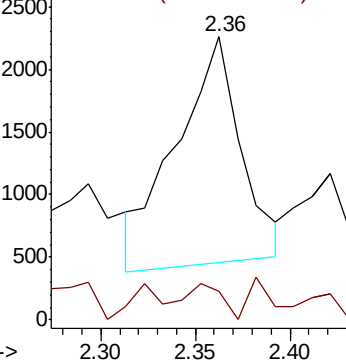
Ion Ratio Lower Upper

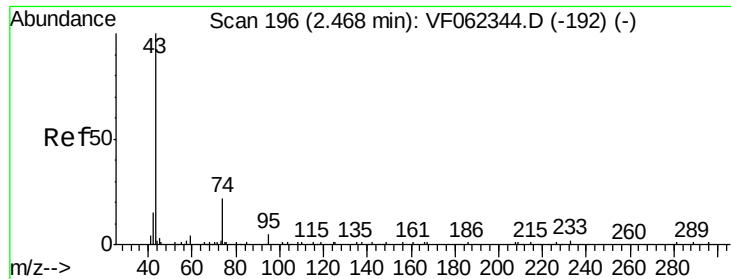
43 100

58 8.6 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

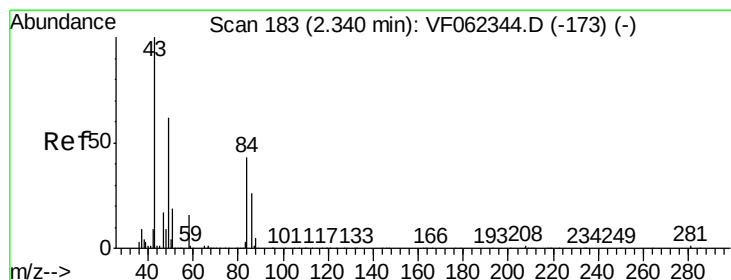
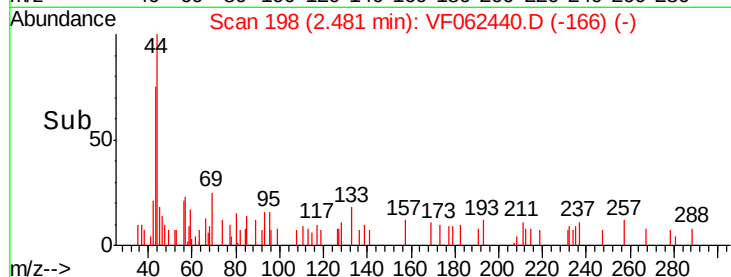
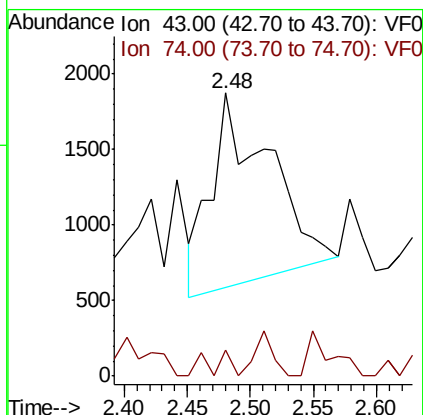
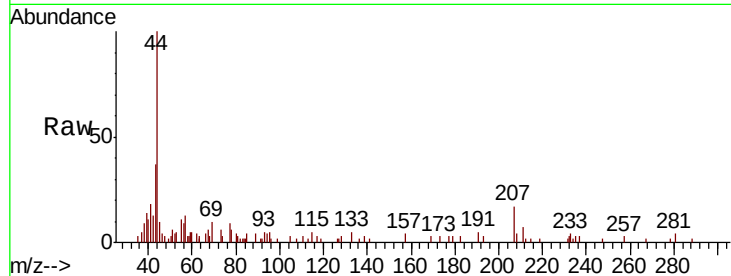




#18
Methyl Acetate
Concen: 1.933 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062440.D
Acq: 11 May 2019 1:49

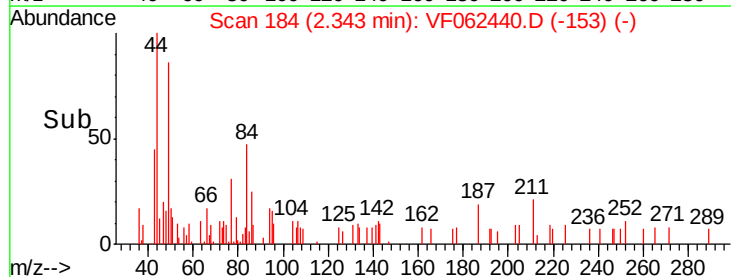
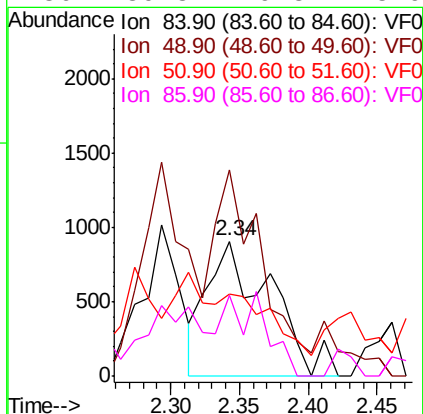
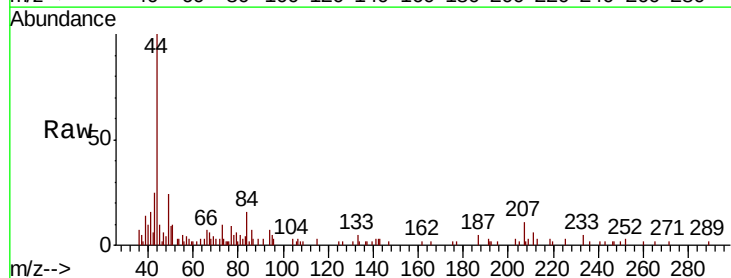
Instrument :
MSVOA_F
ClientSampleId :
COMP-5.8.19

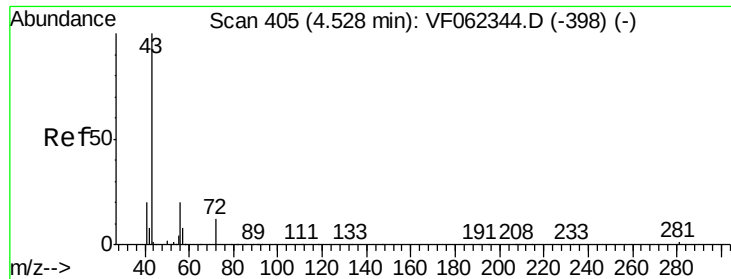
Tot Ion: 43 Resp: 4123
Ion Ratio Lower Upper
43 100
74 2.3 15.0 22.4#



#20
Methylene Chloride
Concen: 1.746 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062440.D
Acq: 11 May 2019 1:49

Tgt Ion: 84 Resp: 2889
Ion Ratio Lower Upper
84 100
49 135.3 117.5 176.3
51 18.0 37.0 55.4#
86 39.8 49.3 73.9#





#25

2-Butanone

Concen: 2.602 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.03 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

Instrument :

MSVOA_F

ClientSampled :

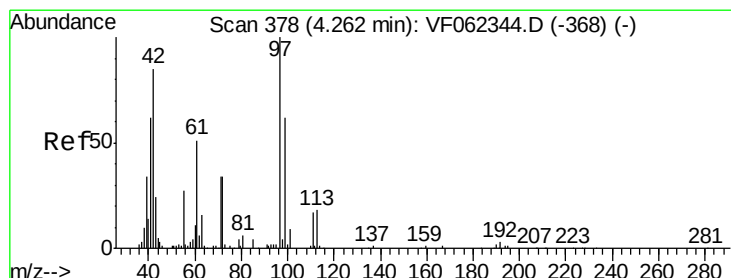
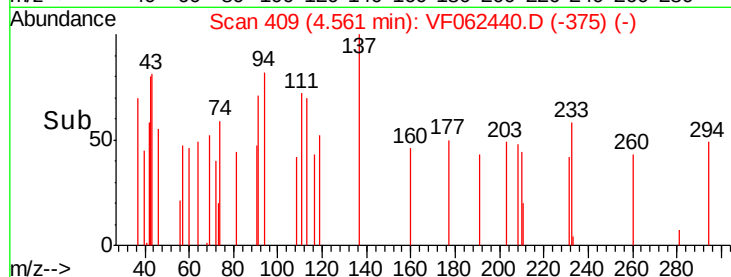
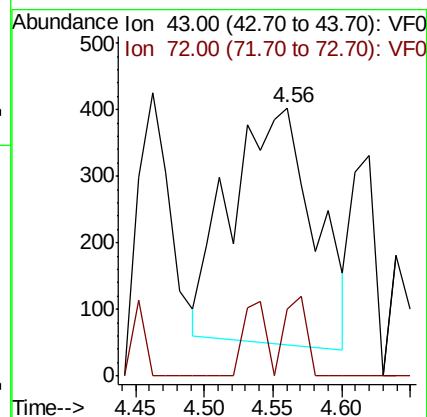
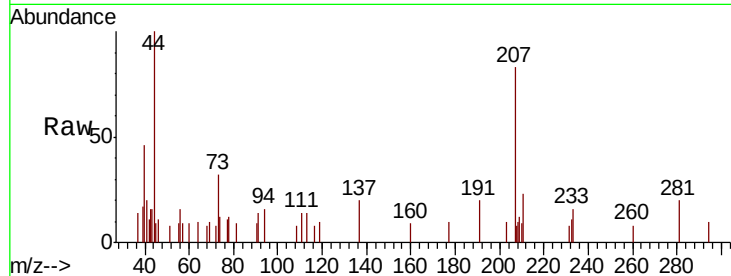
COMP-5.8.19

Tot Ion: 43 Resp: 1495

Ion Ratio Lower Upper

43 100

72 33.4 14.2 21.4#



#29

Tetrahydrofuran

Concen: 2.769 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.03 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

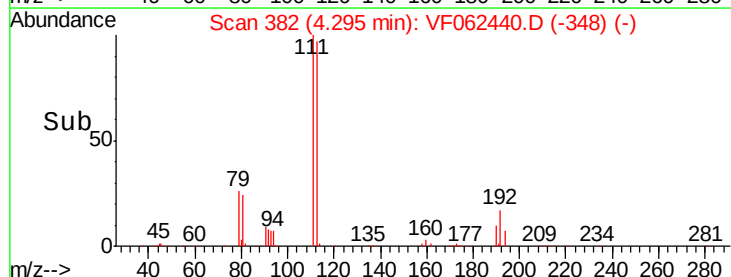
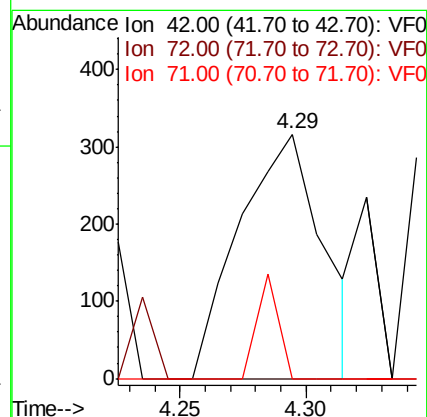
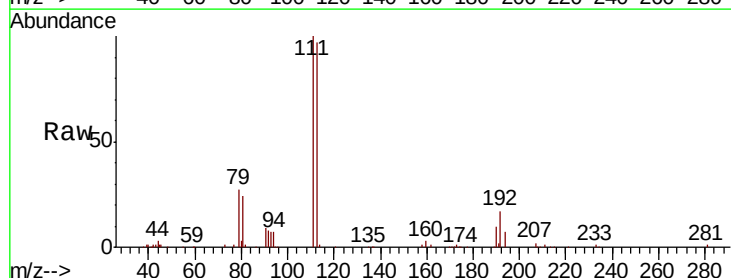
Tgt Ion: 42 Resp: 731

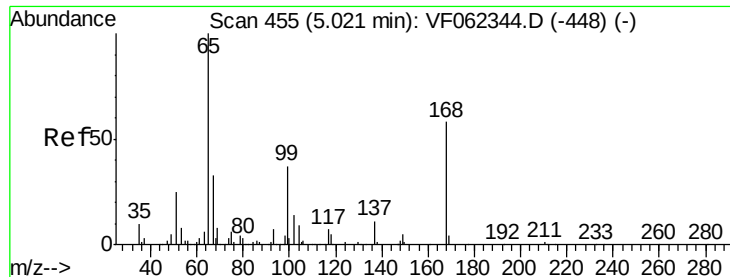
Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 10.9 31.7 47.5#

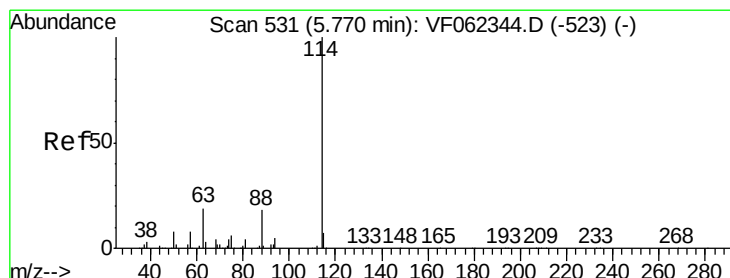
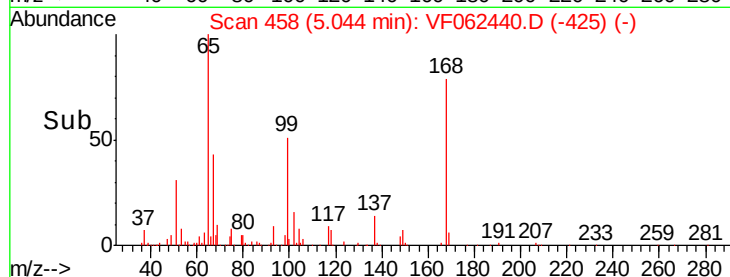
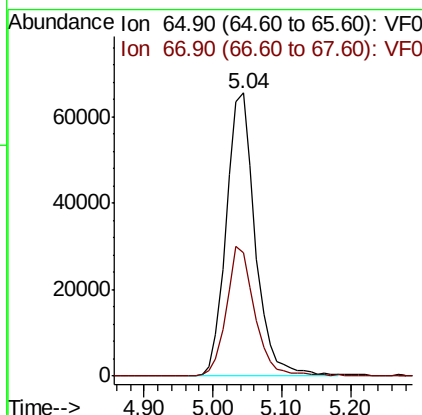
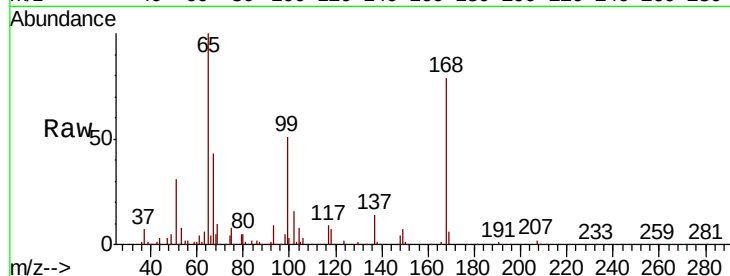




#33
 1,2-Dichloroethane-d4
 Concen: 84.311 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062440.D
 Acq: 11 May 2019 1:49

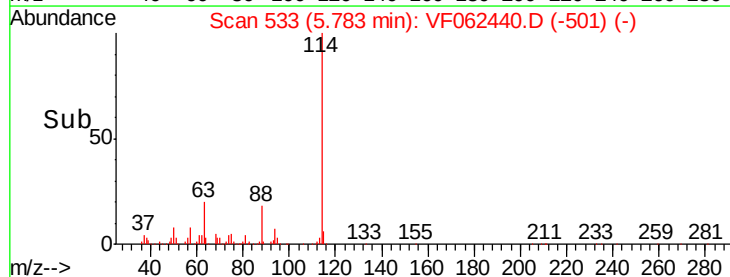
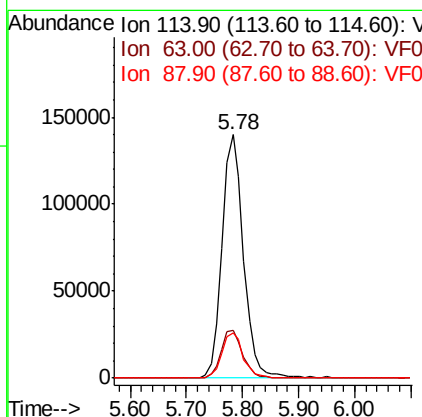
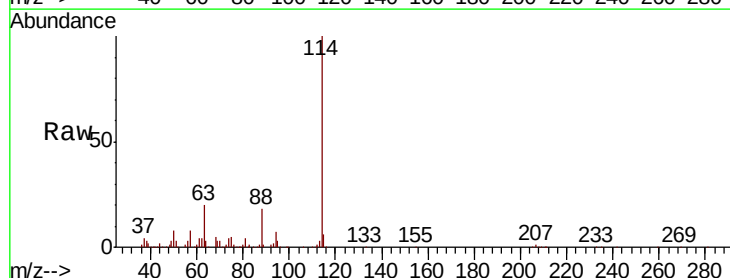
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 COMP-5.8.19

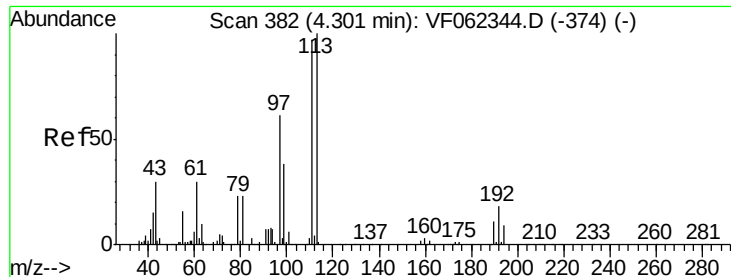
Tot Ion: 65 Resp: 190573
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062440.D
 Acq: 11 May 2019 1:49

Tgt Ion: 114 Resp: 373572
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.4
 88 18.4 0.0 36.4

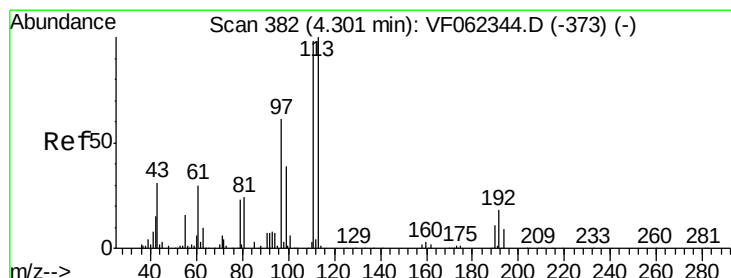
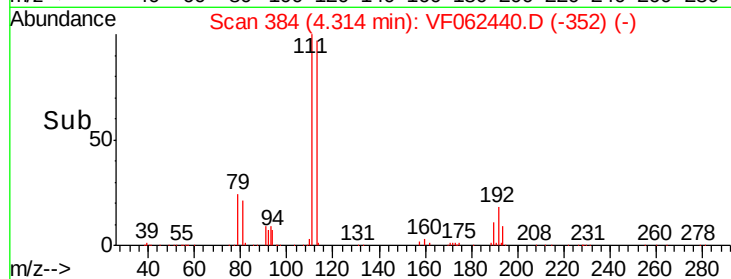
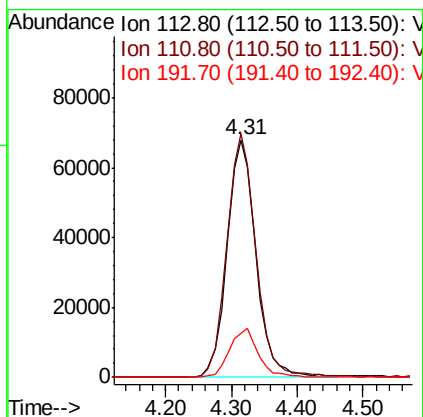
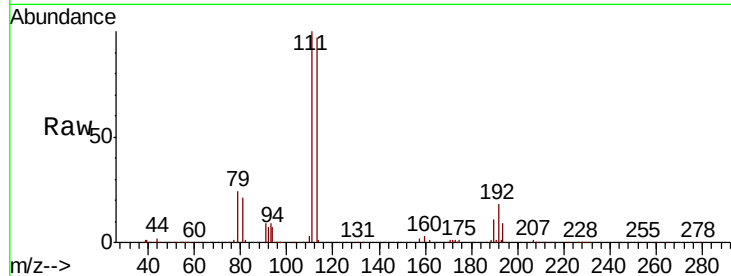




#35
 Dibromofluoromethane
 Concen: 70.333 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062440.D
 Acq: 11 May 2019 1:49

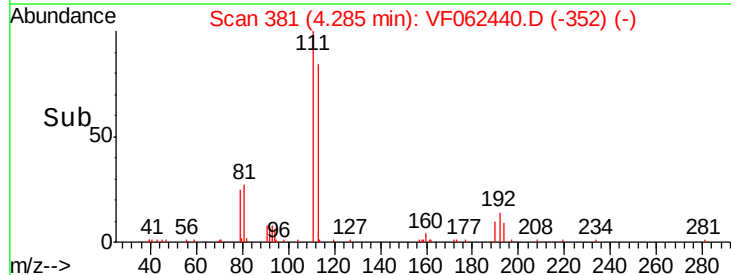
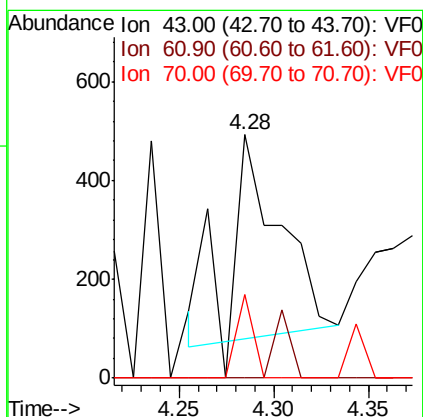
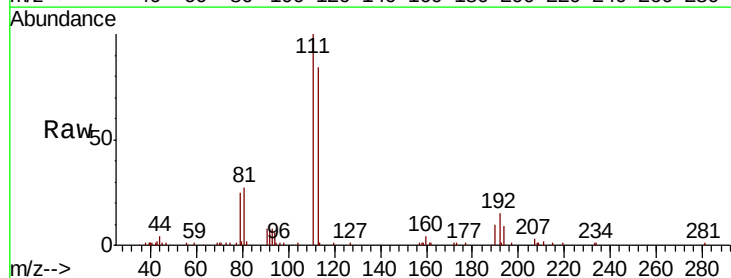
Instrument :
 MSVOA_F
 ClientSampleId :
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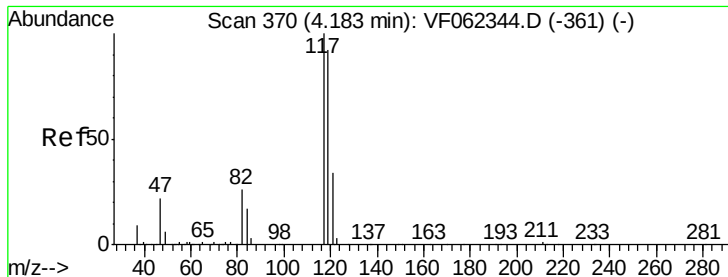
Tot Ion:113 Resp: 209324
 Ion Ratio Lower Upper
 113 100
 111 103.3 79.4 119.0
 192 20.6 16.0 24.0



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.28 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF062440.D
 Acq: 11 May 2019 1:49

Tgt Ion: 43 Resp: 755
 Ion Ratio Lower Upper
 43 100
 61 10.7 0.0 0.0#
 70 13.1 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.07 min Scan# 359

Delta R.T. -0.12 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

Instrument :

MSVOA_F

ClientSampleId :

COMP-5.8.19

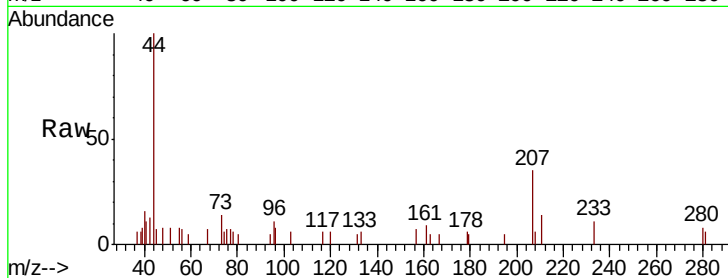
Tot Ion:117 Resp: 79

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 27.4 41.0#

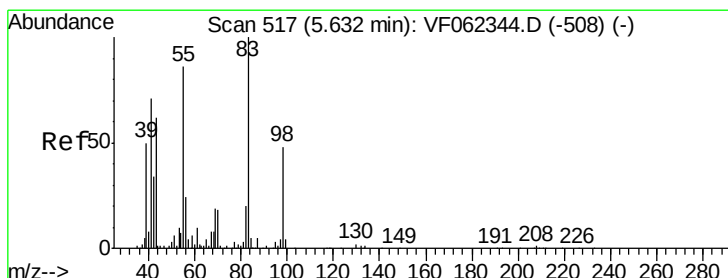
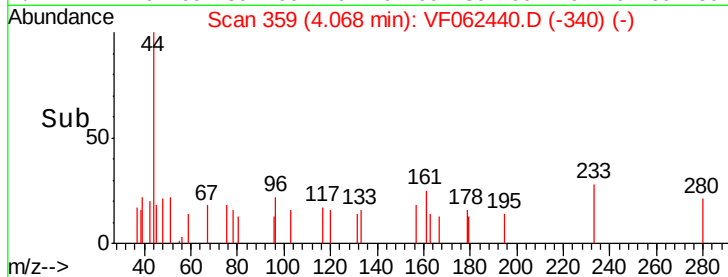
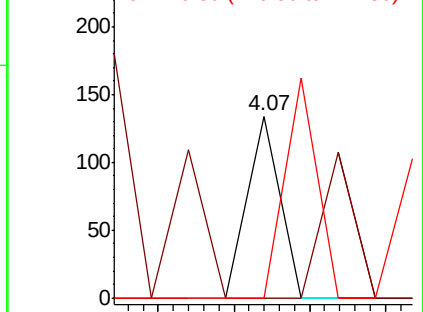


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.810 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.14 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

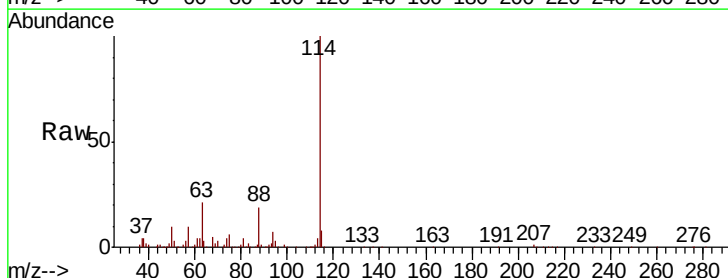
Tgt Ion: 83 Resp: 5824

Ion Ratio Lower Upper

83 100

55 30.8 69.0 103.6#

98 0.0 38.6 58.0#

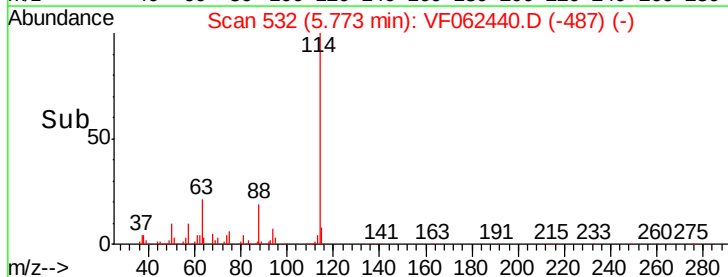
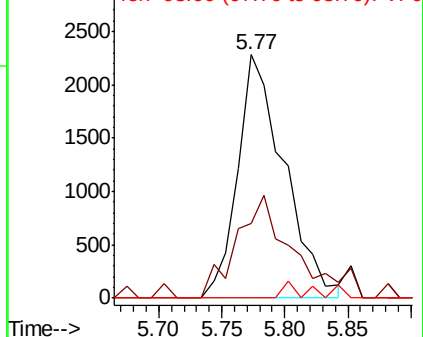


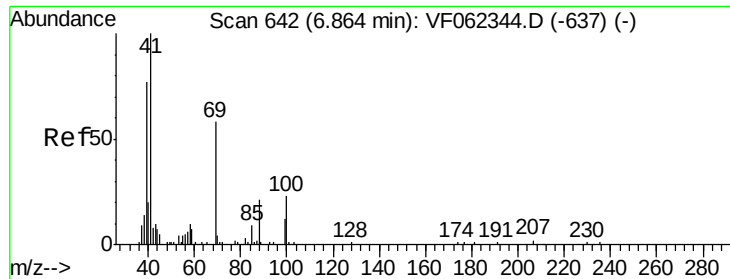
Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

Instrument :

MSVOA_F

ClientSampleId :

COMP-5.8.19

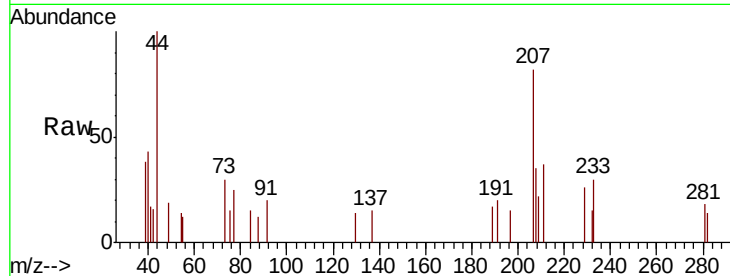
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 671.7 55.6 83.4#

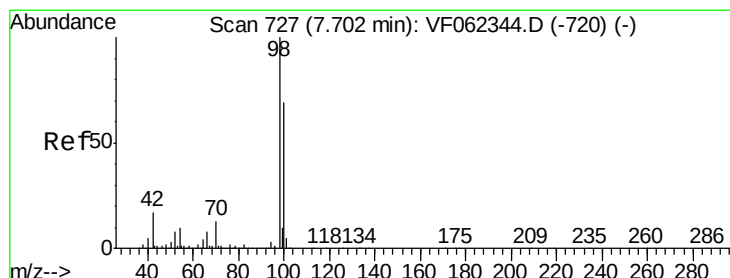
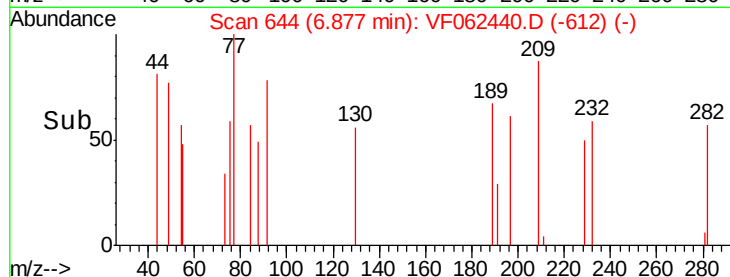
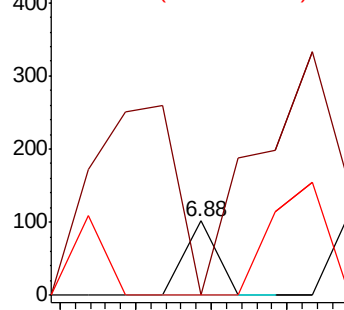
58 0.0 52.8 79.2#



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: 43.748 ug/l

RT: 7.71 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF062440.D

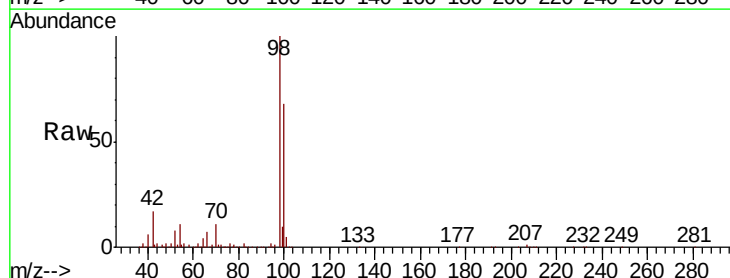
Acq: 11 May 2019 1:49

Tgt Ion: 98 Resp: 315176

Ion Ratio Lower Upper

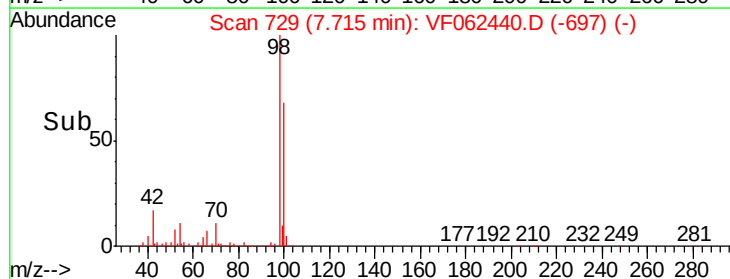
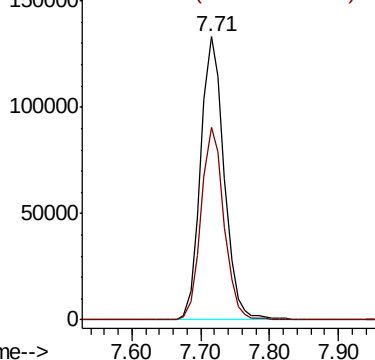
98 100

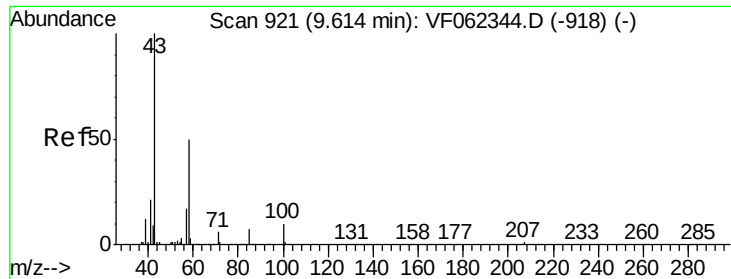
100 66.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

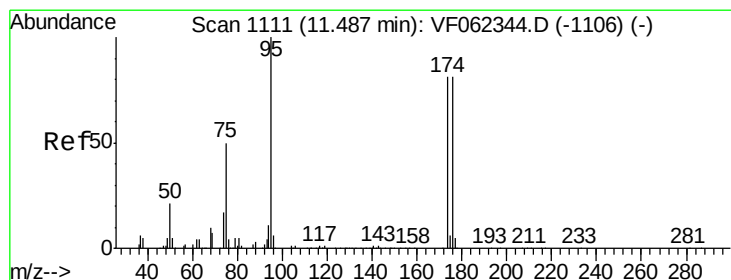
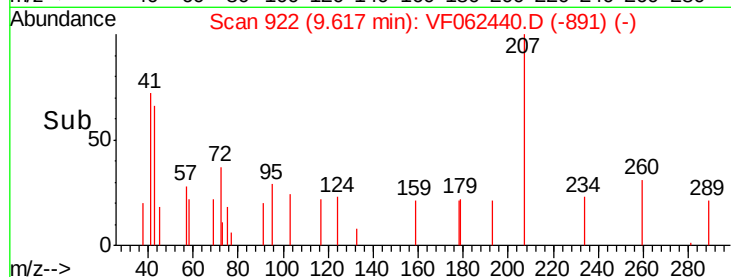
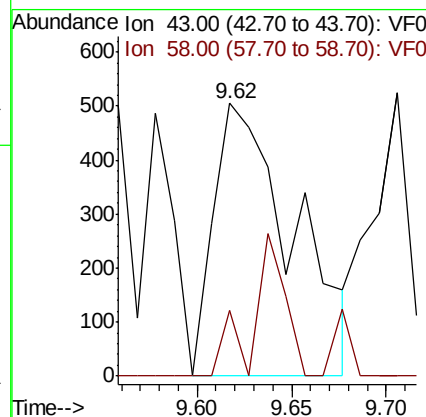
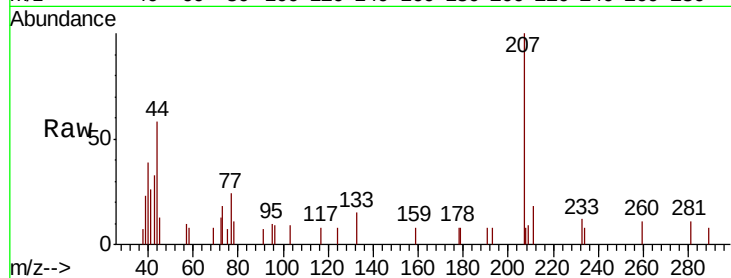




#59
2-Hexanone
Concen: 1.928 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF062440.D
Acq: 11 May 2019 1:49

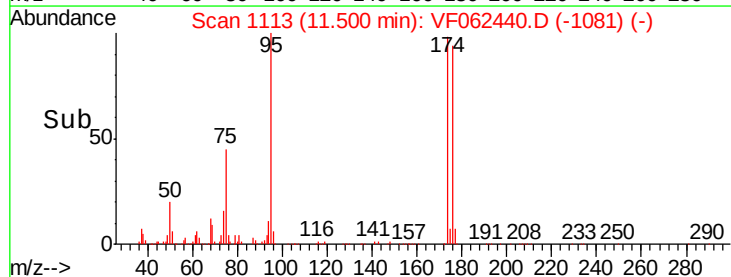
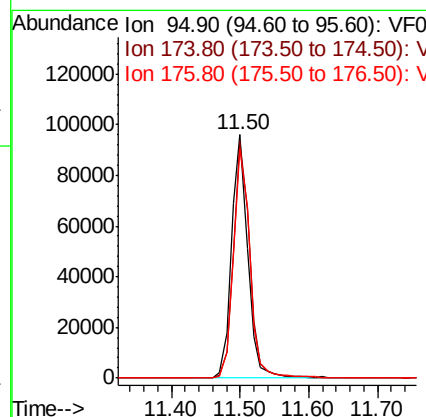
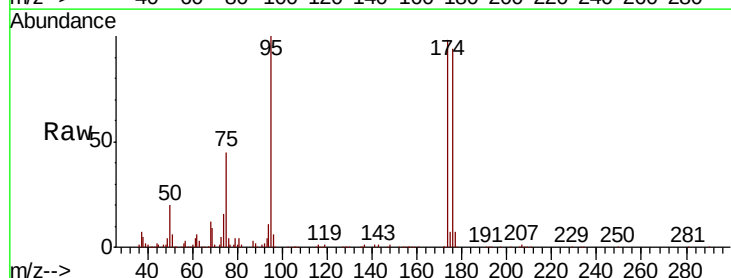
Instrument :
MSVOA_F
ClientSampleId :
COMP-5.8.19

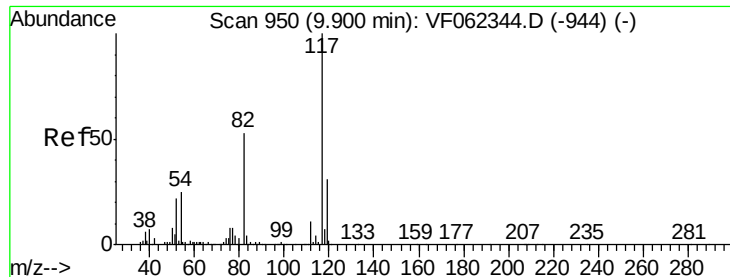
Tot Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
58 21.4 24.3 73.0#



#62
4-Bromofluorobenzene
Concen: 48.439 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF062440.D
Acq: 11 May 2019 1:49

Tgt Ion: 95 Resp: 157441
Ion Ratio Lower Upper
95 100
174 96.8 0.0 191.8
176 95.1 0.0 193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

Instrument :

MSVOA_F

ClientSampleId :

COMP-5.8.19

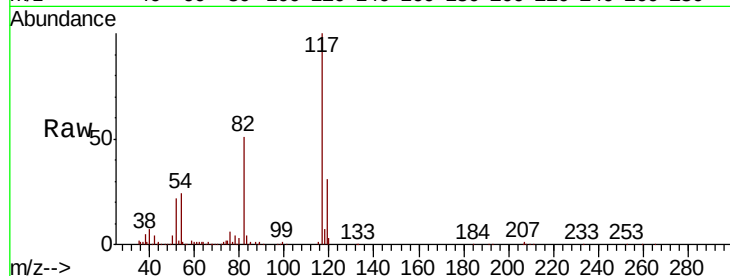
Tot Ion:117 Resp: 289580

Ion Ratio Lower Upper

117 100

82 51.4 42.2 63.2

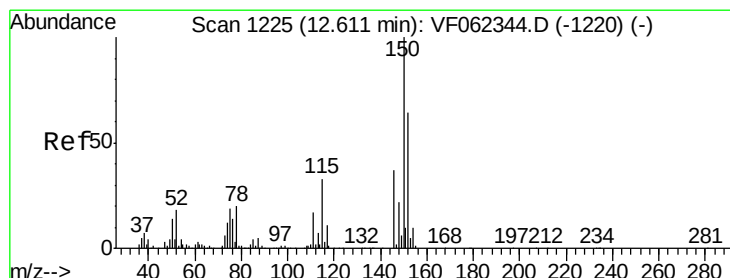
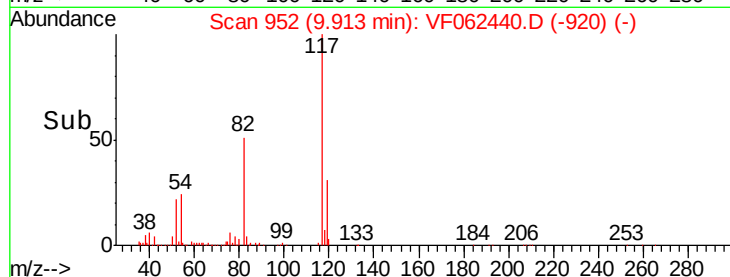
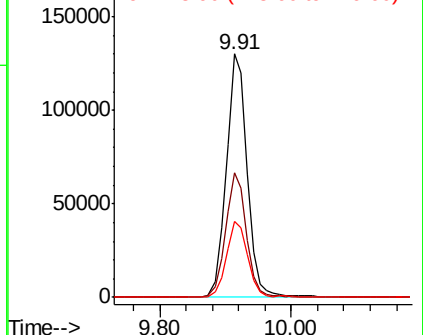
119 31.2 25.0 37.4



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: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

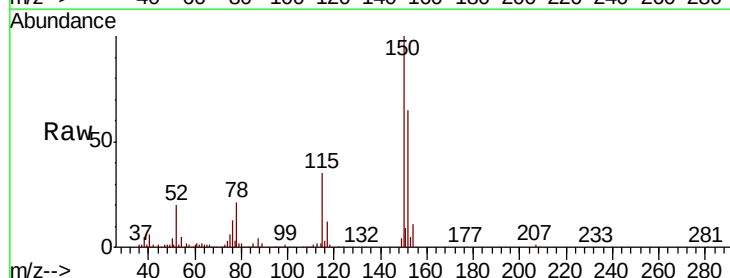
Tgt Ion:152 Resp: 164978

Ion Ratio Lower Upper

152 100

115 52.7 26.4 79.2

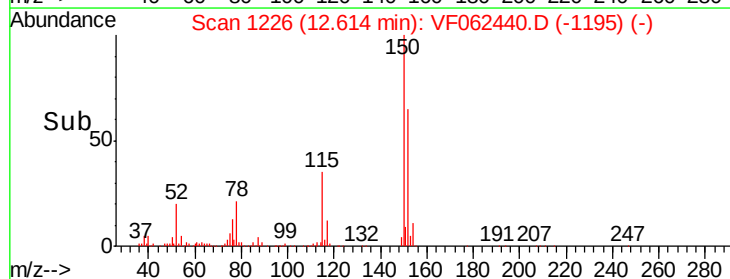
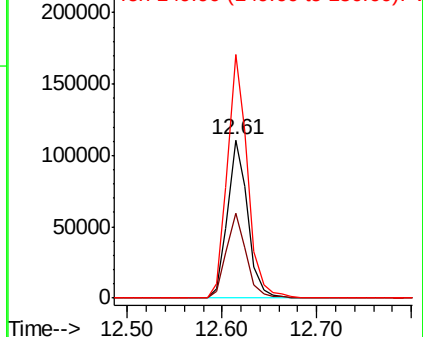
150 152.7 0.0 335.0

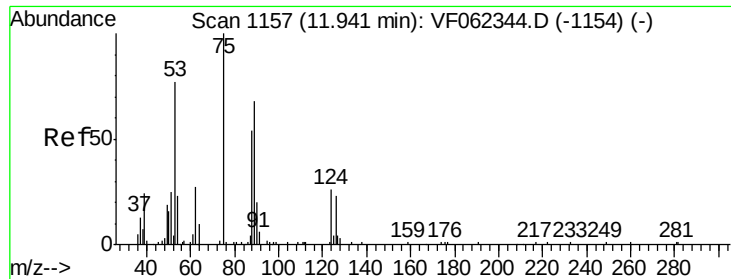


Abundance Ion 151.90 (151.60 to 152.60): V

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: 2.225 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062440.D

Acq: 11 May 2019 1:49

Instrument :

MSVOA_F

ClientSampleId :

COMP-5.8.19

Tot Ion: 75 Resp: 977

Ion Ratio Lower Upper

75 100

53 14.6 71.9 107.9#

89 6.4 0.0 0.0#

