

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062785.D
 Acq On : 29 May 2019 16:46
 Operator : FY/SY
 Sample : K2648-03RE
 Misc : 6.12g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 30 08:41:45 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	5.08	168	751372	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	1358972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1015549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	447599	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	228588	43.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.10%	
35) Dibromofluoromethane	4.33	113	448716	43.15	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.30%	
50) Toluene-d8	7.73	98	936507	37.72	ug/l	0.02
Spiked Amount 50.000			Recovery	=	75.44%	
62) 4-Bromofluorobenzene	11.51	95	349371	37.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.20%	

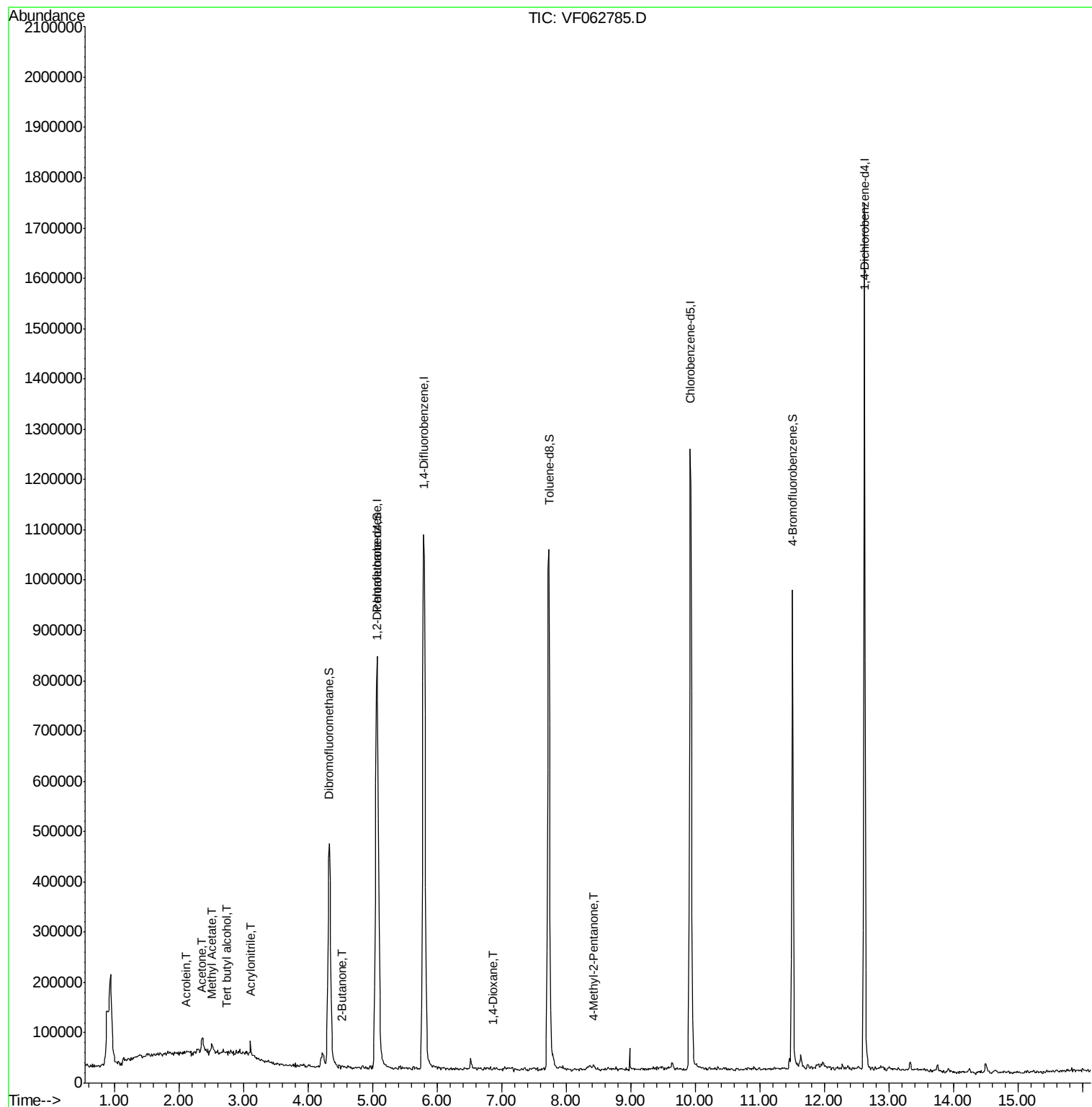
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.73	59	2655	7.574	ug/l #	7
13) Acrolein	2.11	56	994	2.716	ug/l	89
15) Acrylonitrile	3.10	53	2101	2.125	ug/l #	58
16) Acetone	2.36	43	52463	38.086	ug/l #	82
18) Methyl Acetate	2.51	43	8392	3.877	ug/l #	73
25) 2-Butanone	4.54	43	2965	1.007	ug/l	91
49) 1,4-Dioxane	6.86	88	186	3.772	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	9274	1.842	ug/l	91
59) 2-Hexanone	9.65	43	13698	Below Cal		100
74) N-amyl acetate	11.46	43	14309	Below Cal	#	88

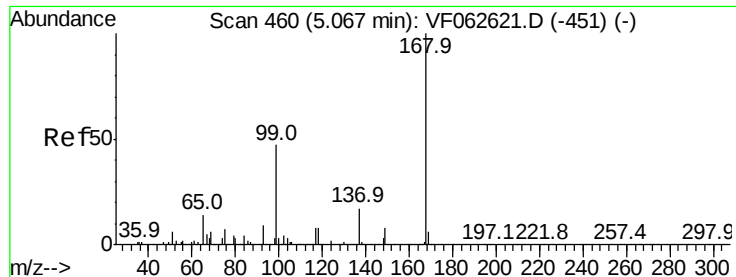
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.08 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

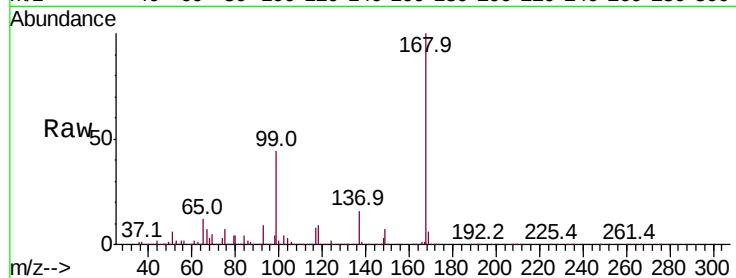
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 751372

Ion Ratio Lower Upper

168 100

99 43.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

250000

200000

150000

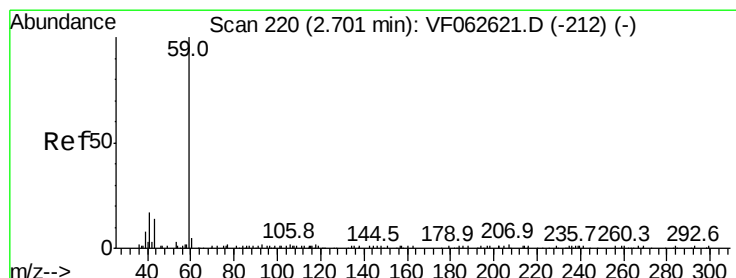
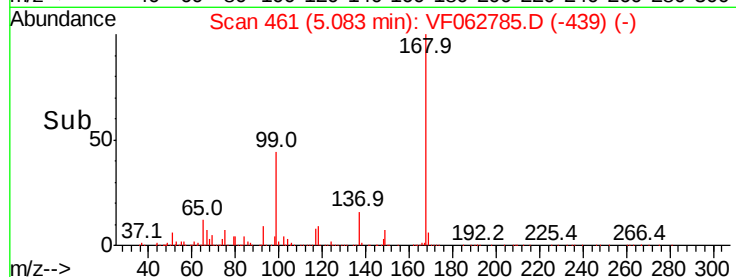
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#11

Tert butyl alcohol

Concen: 7.574 ug/l

RT: 2.73 min Scan# 222

Delta R.T. 0.03 min

Lab File: VF062785.D

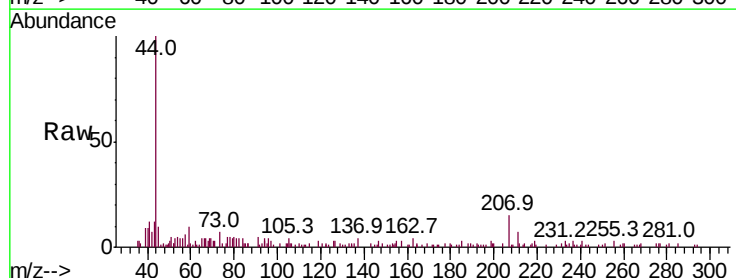
Acq: 29 May 2019 16:46

Tgt Ion: 59 Resp: 2655

Ion Ratio Lower Upper

59 100

57 47.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1500

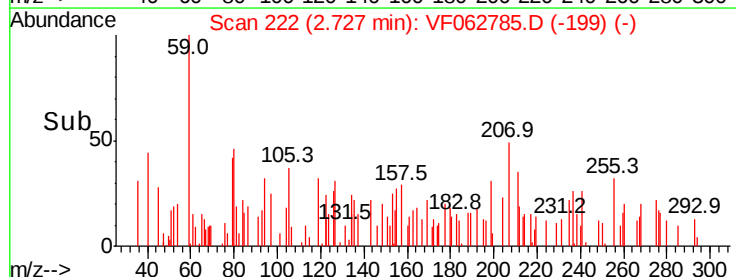
1000

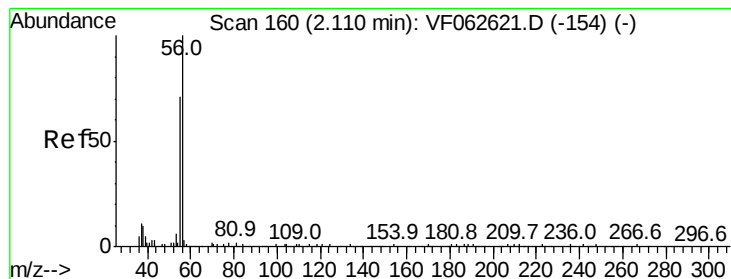
500

0

2.70 2.75 2.80

Time-->





#13

Acrolein

Concen: 2.716 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

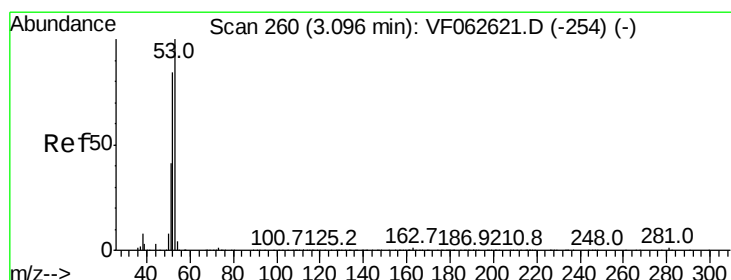
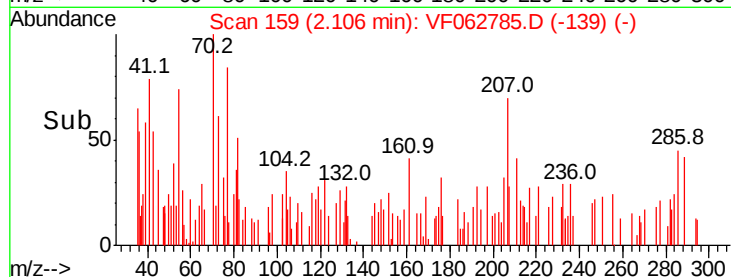
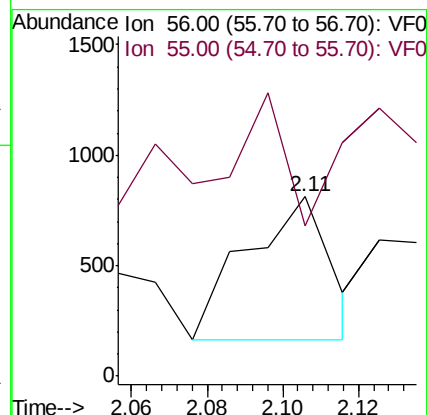
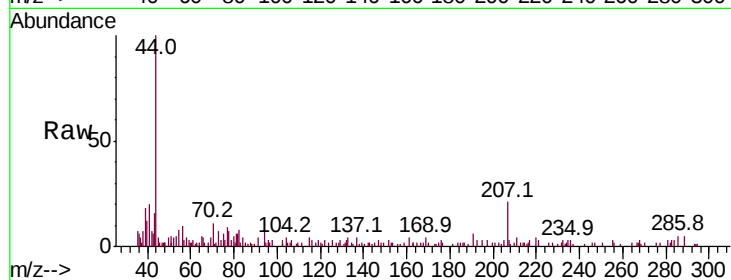
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 994

Ion Ratio Lower Upper

56 100

55 83.9 59.4 89.0



#15

Acrylonitrile

Concen: 2.125 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

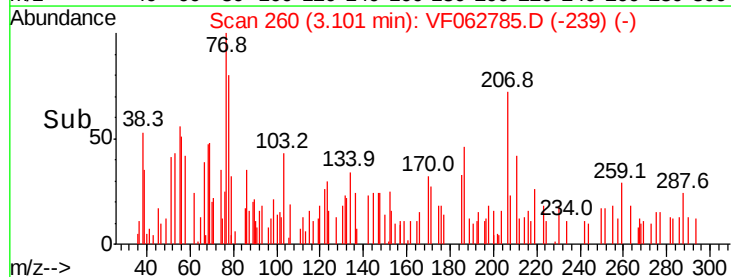
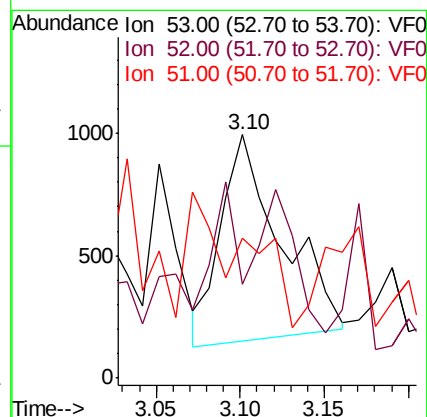
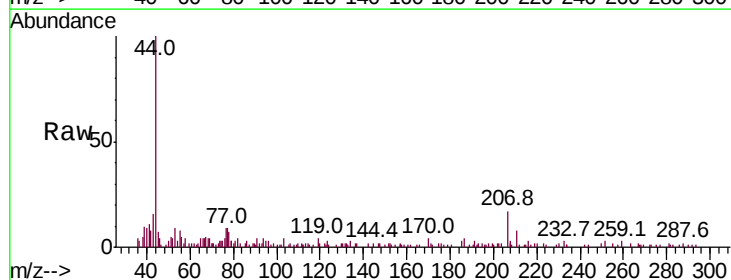
Tgt Ion: 53 Resp: 2101

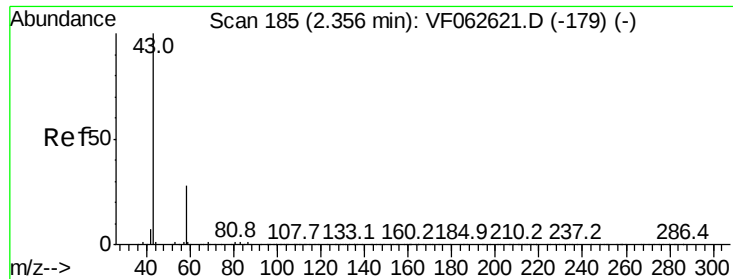
Ion Ratio Lower Upper

53 100

52 38.6 67.3 100.9#

51 57.2 33.0 49.6#

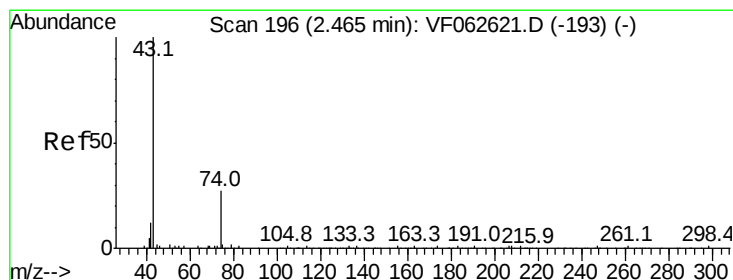
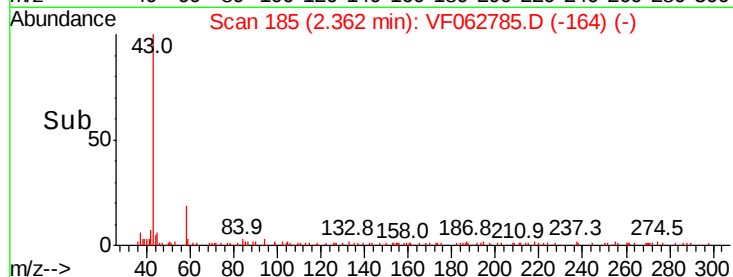
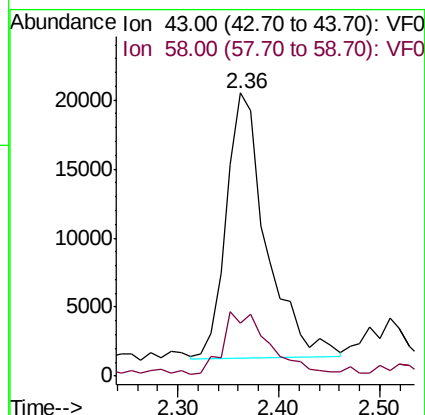
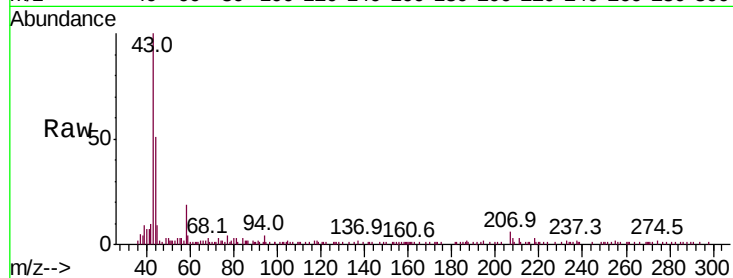




#16
Acetone
Concen: 38.086 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062785.D
Acq: 29 May 2019 16:46

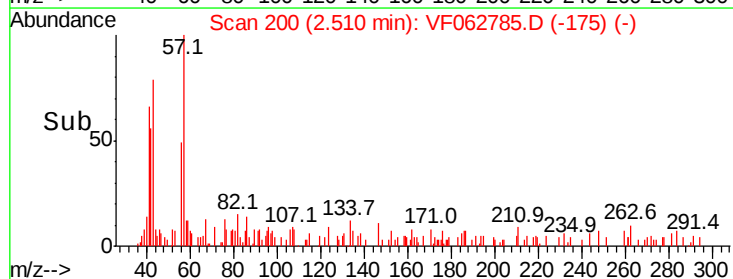
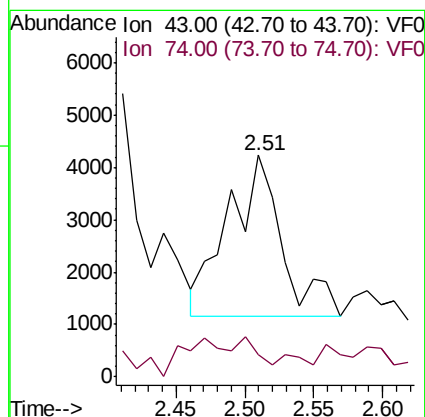
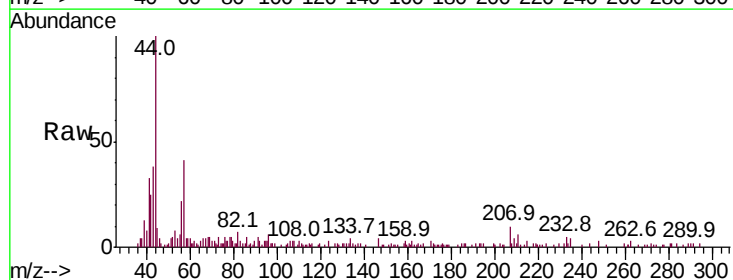
Instrument :
MSVOA_F
ClientSampleId :

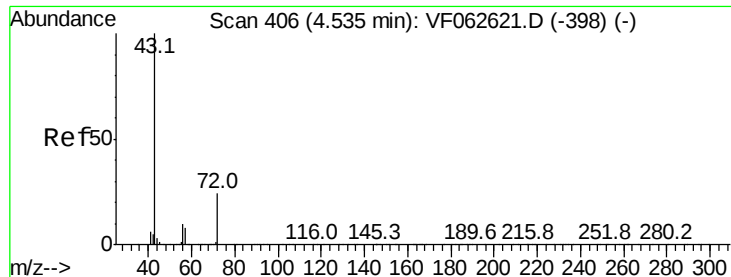
Tot Ion: 43 Resp: 52463
Ion Ratio Lower Upper
43 100
58 18.7 22.6 33.8#



#18
Methyl Acetate
Concen: 3.877 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.05 min
Lab File: VF062785.D
Acq: 29 May 2019 16:46

Tgt Ion: 43 Resp: 8392
Ion Ratio Lower Upper
43 100
74 10.2 18.9 28.3#

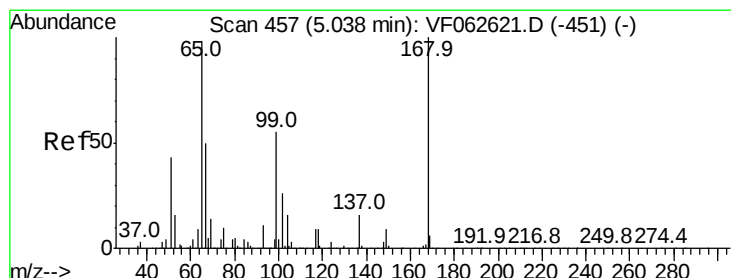
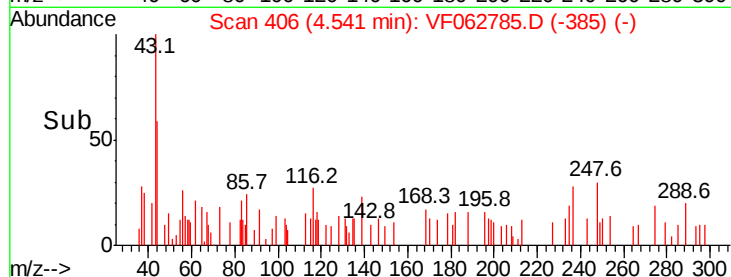
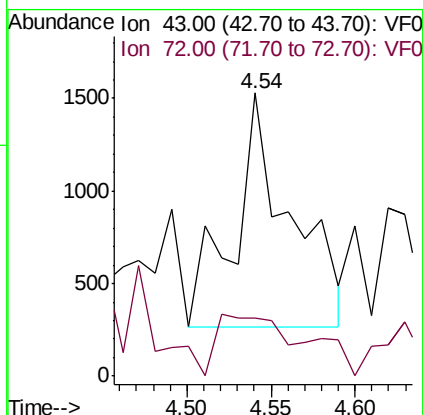
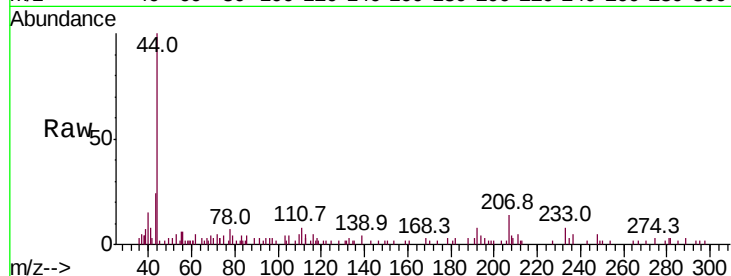




#25
2-Butanone
Concen: 1.007 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062785.D
Acq: 29 May 2019 16:46

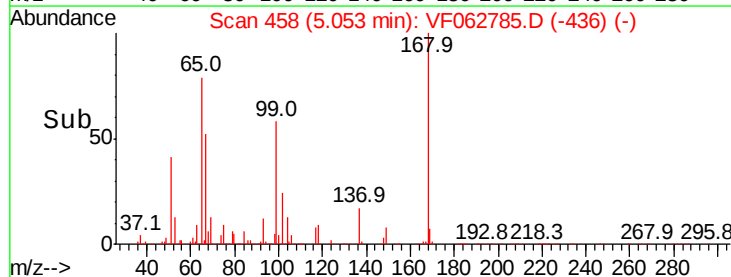
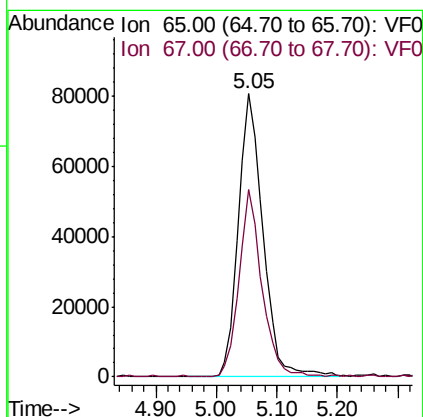
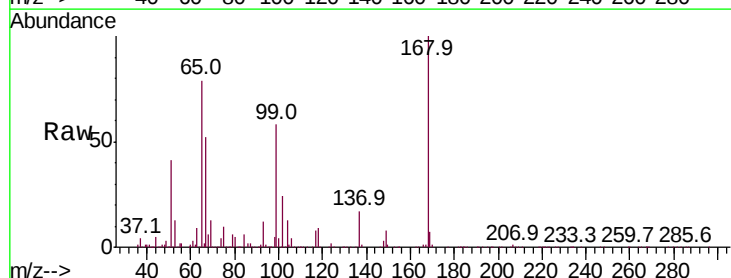
Instrument :
MSVOA_F
ClientSampleId :

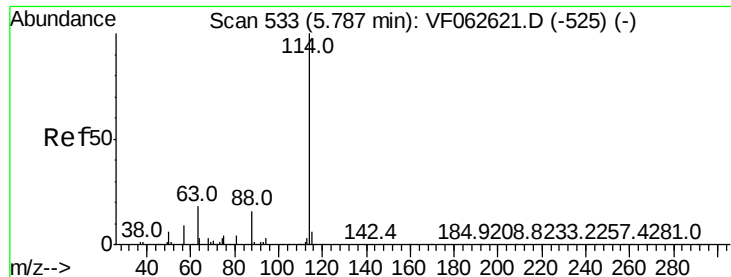
Tot Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
72 20.5 20.1 30.1



#33
1,2-Dichloroethane-d4
Concen: 43.052 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.02 min
Lab File: VF062785.D
Acq: 29 May 2019 16:46

Tgt Ion: 65 Resp: 228588
Ion Ratio Lower Upper
65 100
67 66.1 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

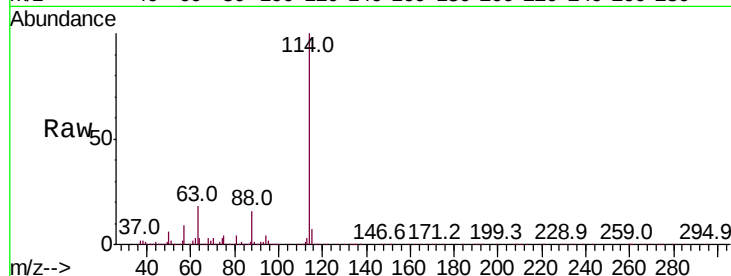
Tot Ion:114 Resp: 1358972

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 16.2 0.0 32.4

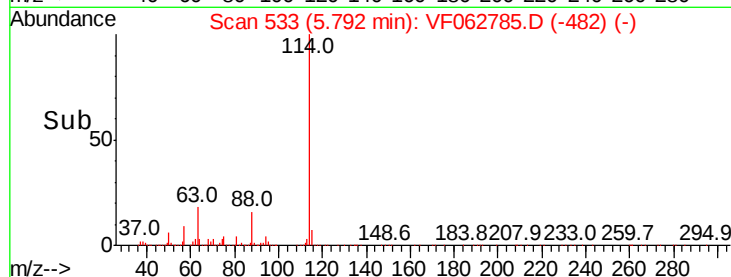


Abundance Ion 114.00 (113.70 to 114.70): V

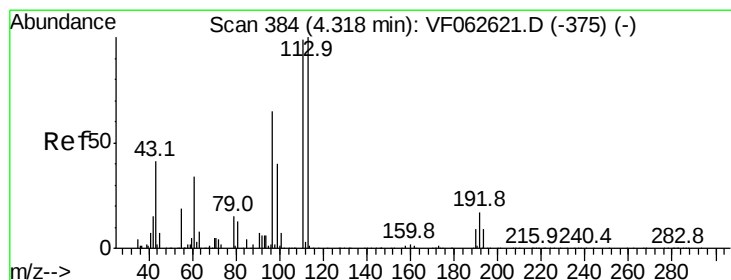
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.79



Time-->



#35

Dibromofluoromethane

Concen: 43.150 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

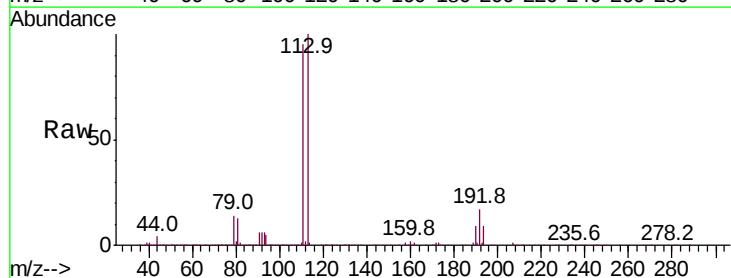
Tgt Ion:113 Resp: 448716

Ion Ratio Lower Upper

113 100

111 94.7 79.4 119.2

192 17.9 13.4 20.2

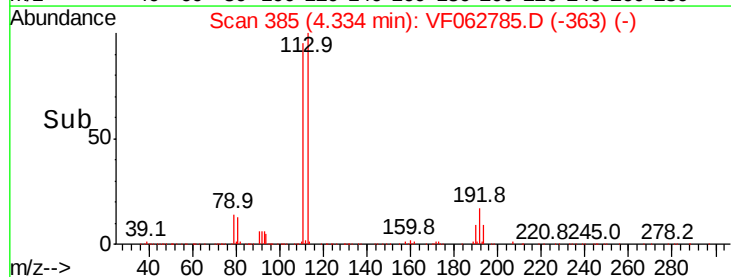


Abundance Ion 113.00 (112.70 to 113.70): V

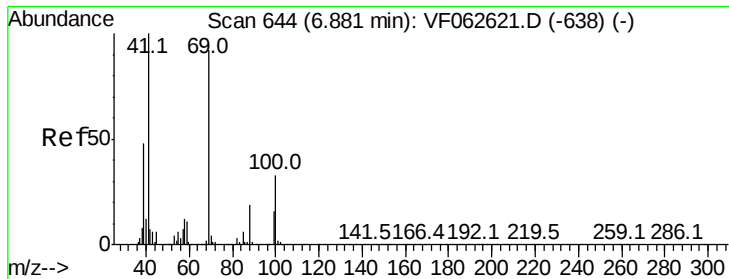
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.33



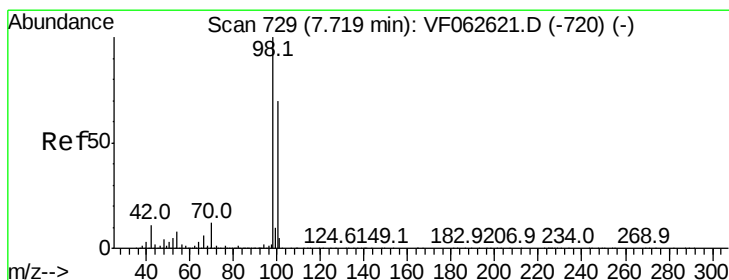
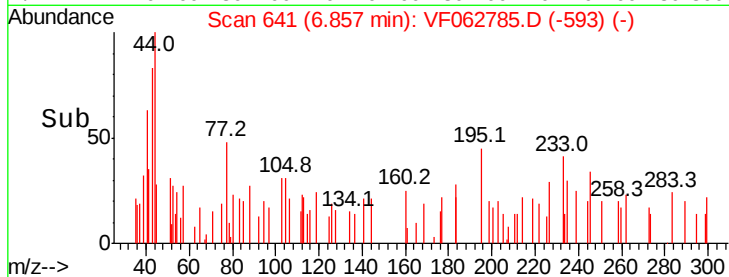
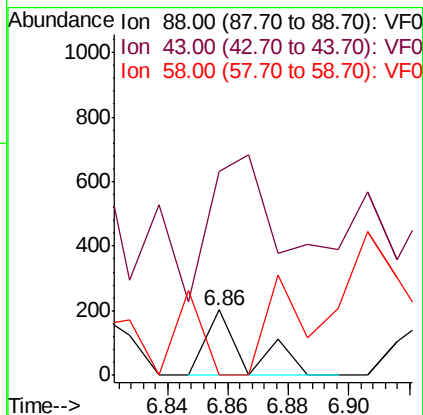
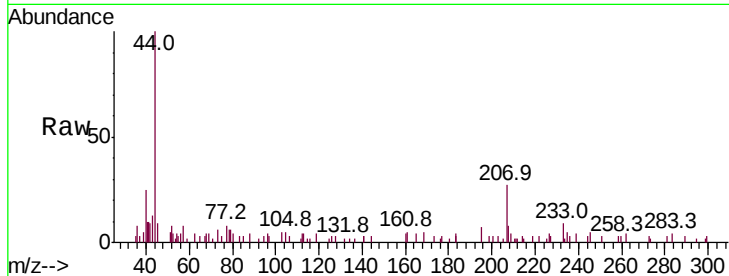
Time-->



#49
1,4-Dioxane
Concen: 3.772 ug/l
RT: 6.86 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF062785.D
Acq: 29 May 2019 16:46

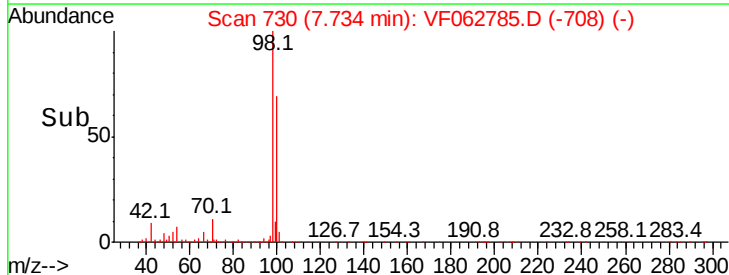
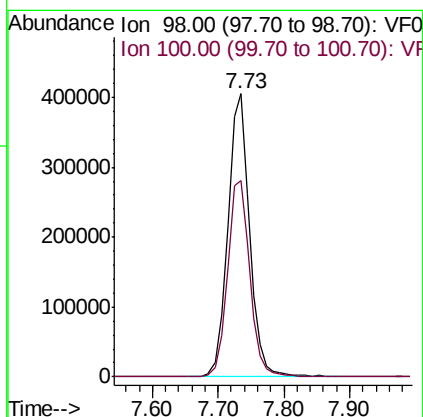
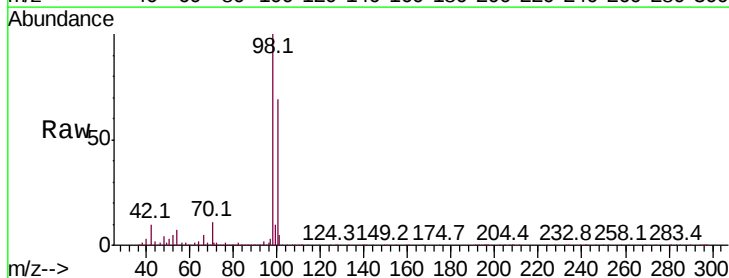
Instrument :
MSVOA_F
ClientSampleId :

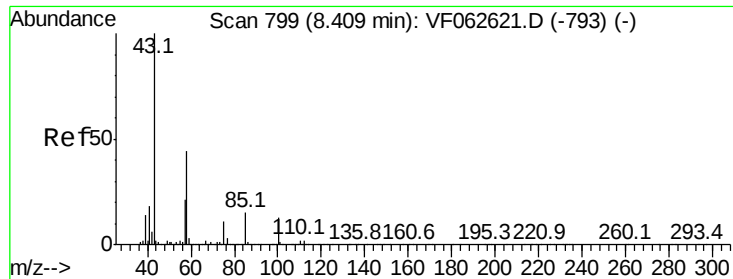
Tot Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 311.3 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 37.719 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062785.D
Acq: 29 May 2019 16:46

Tgt Ion: 98 Resp: 936507
Ion Ratio Lower Upper
98 100
100 69.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.842 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Instrument :

MSVOA_F

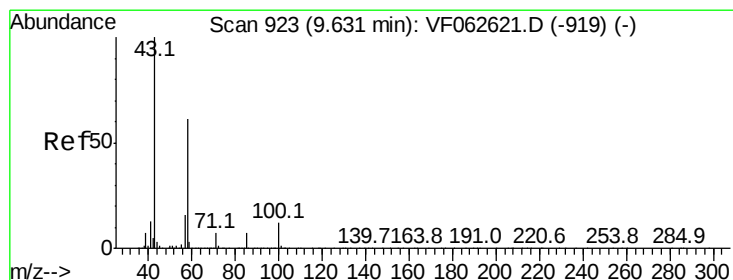
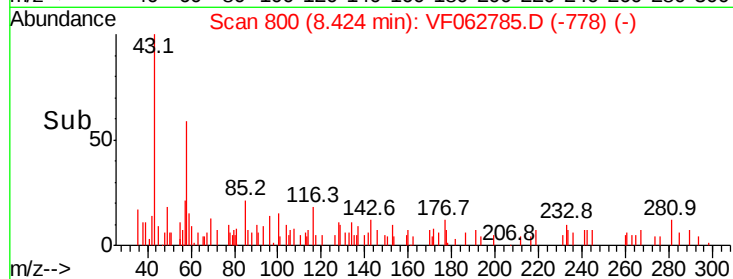
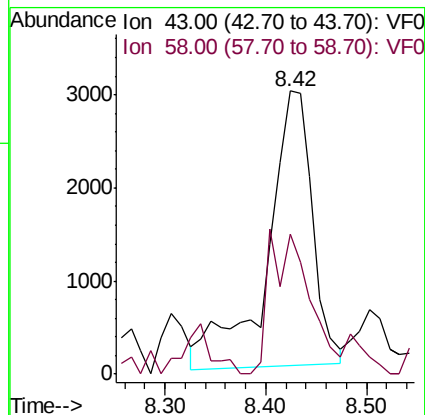
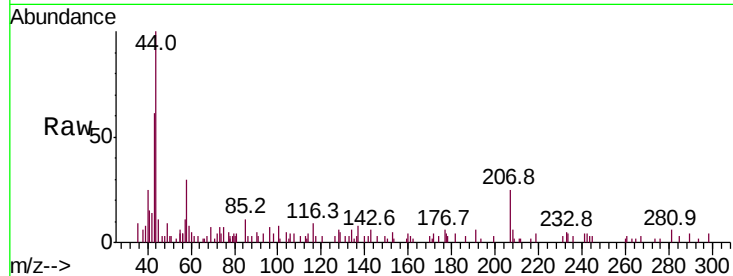
ClientSampleId :

Tot Ion: 43 Resp: 9274

Ion Ratio Lower Upper

43 100

58 49.6 34.9 52.3



#59

2-Hexanone

Concen: Below Cal

RT: 9.65 min Scan# 924

Delta R.T. 0.02 min

Lab File: VF062785.D

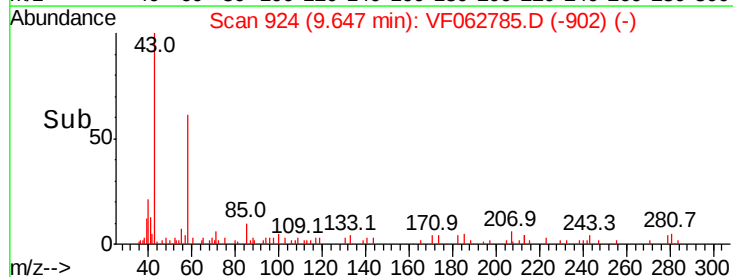
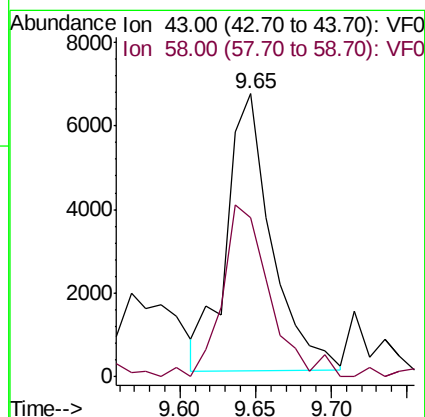
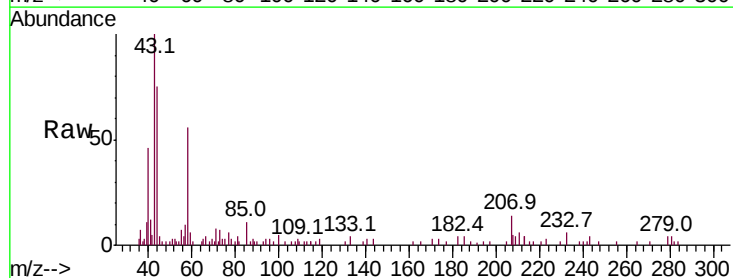
Acq: 29 May 2019 16:46

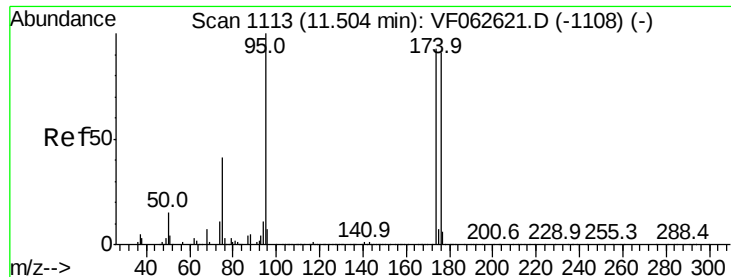
Tgt Ion: 43 Resp: 13698

Ion Ratio Lower Upper

43 100

58 56.4 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 37.101 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

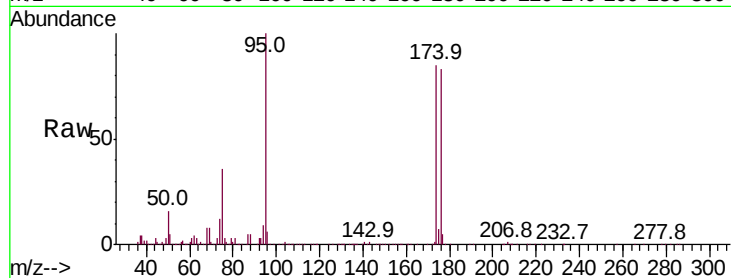
Tot Ion: 95 Resp: 349371

Ion Ratio Lower Upper

95 100

174 85.3 0.0 185.6

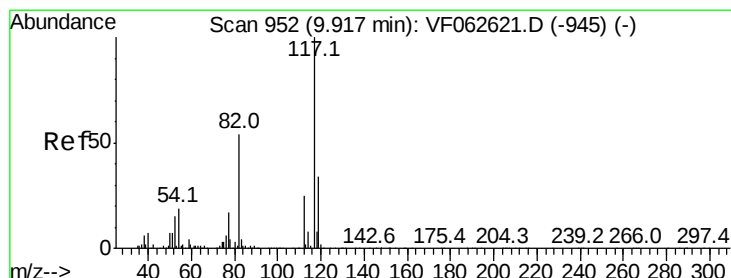
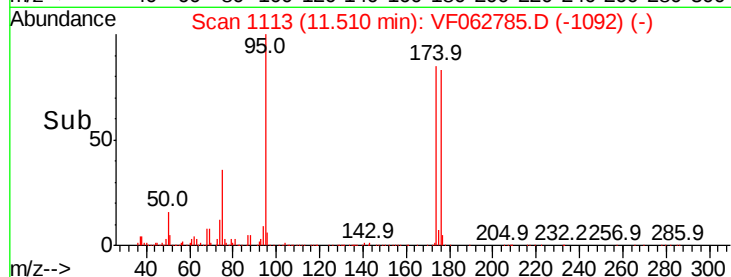
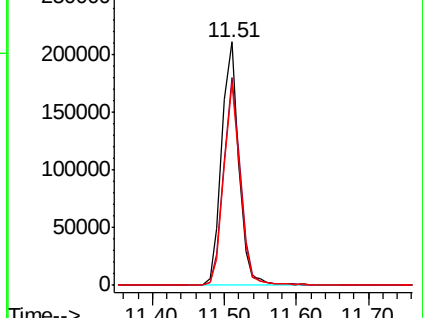
176 83.1 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

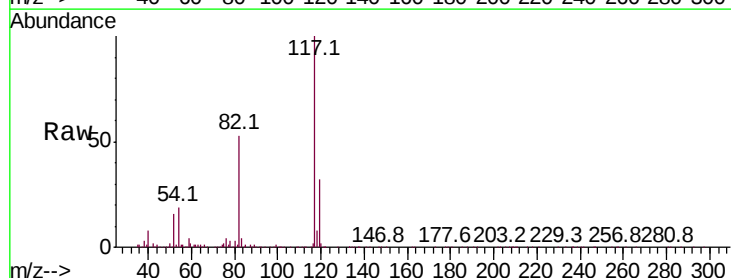
Tgt Ion: 117 Resp: 1015549

Ion Ratio Lower Upper

117 100

82 53.1 43.3 64.9

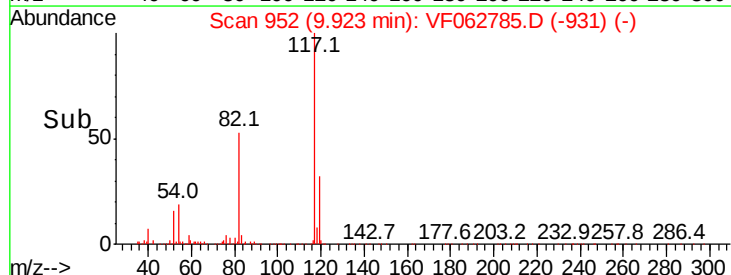
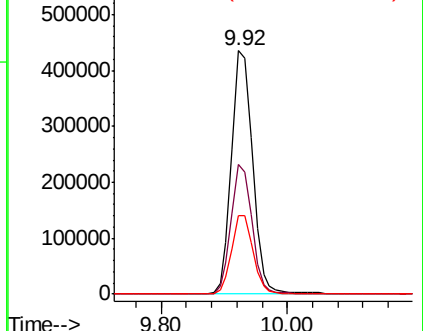
119 32.3 27.4 41.0

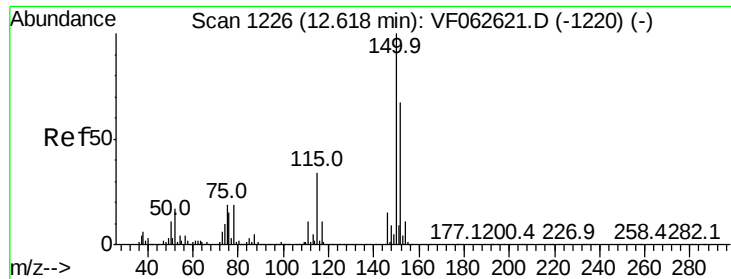


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

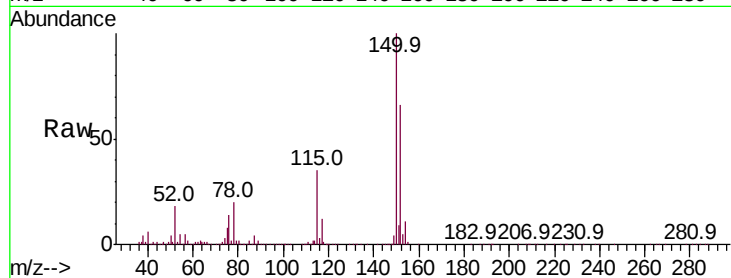
Tot Ion:152 Resp: 447599

Ion Ratio Lower Upper

152 100

115 53.2 25.2 75.6

150 151.7 0.0 306.2

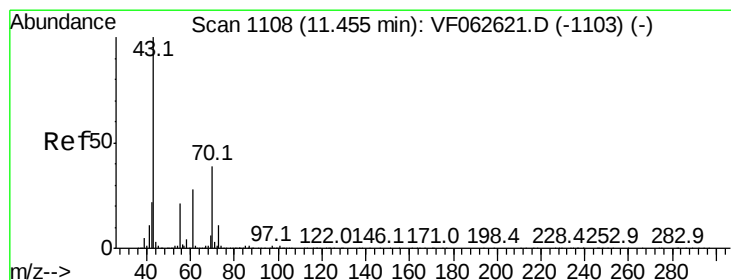
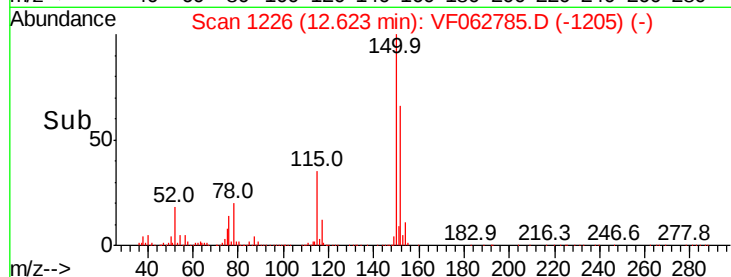
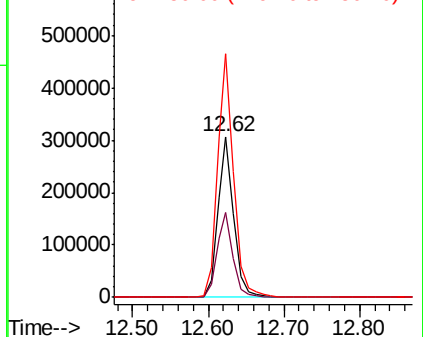


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062785.D

Acq: 29 May 2019 16:46

Tgt Ion: 43 Resp: 14309

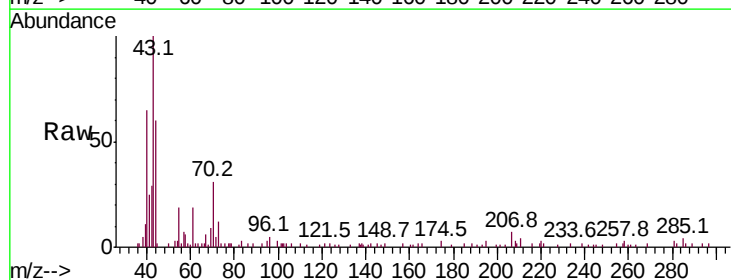
Ion Ratio Lower Upper

43 100

70 31.3 30.9 46.3

55 19.2 17.0 25.4

61 19.3 22.6 34.0#



Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

