

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062315.D
 Acq On : 29 Apr 2019 16:16
 Operator : FY/SY
 Sample : VF0429SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0429SBL01

Quant Time: Apr 29 16:37:18 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	5.03	168	335473	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.76	114	467352	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	394055	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	261332	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	157346	57.90	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	115.80%	
35) Dibromofluoromethane	4.30	113	178540	51.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.04%	
50) Toluene-d8	7.70	98	412581	48.74	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.48	95	202304	57.99	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	115.98%	

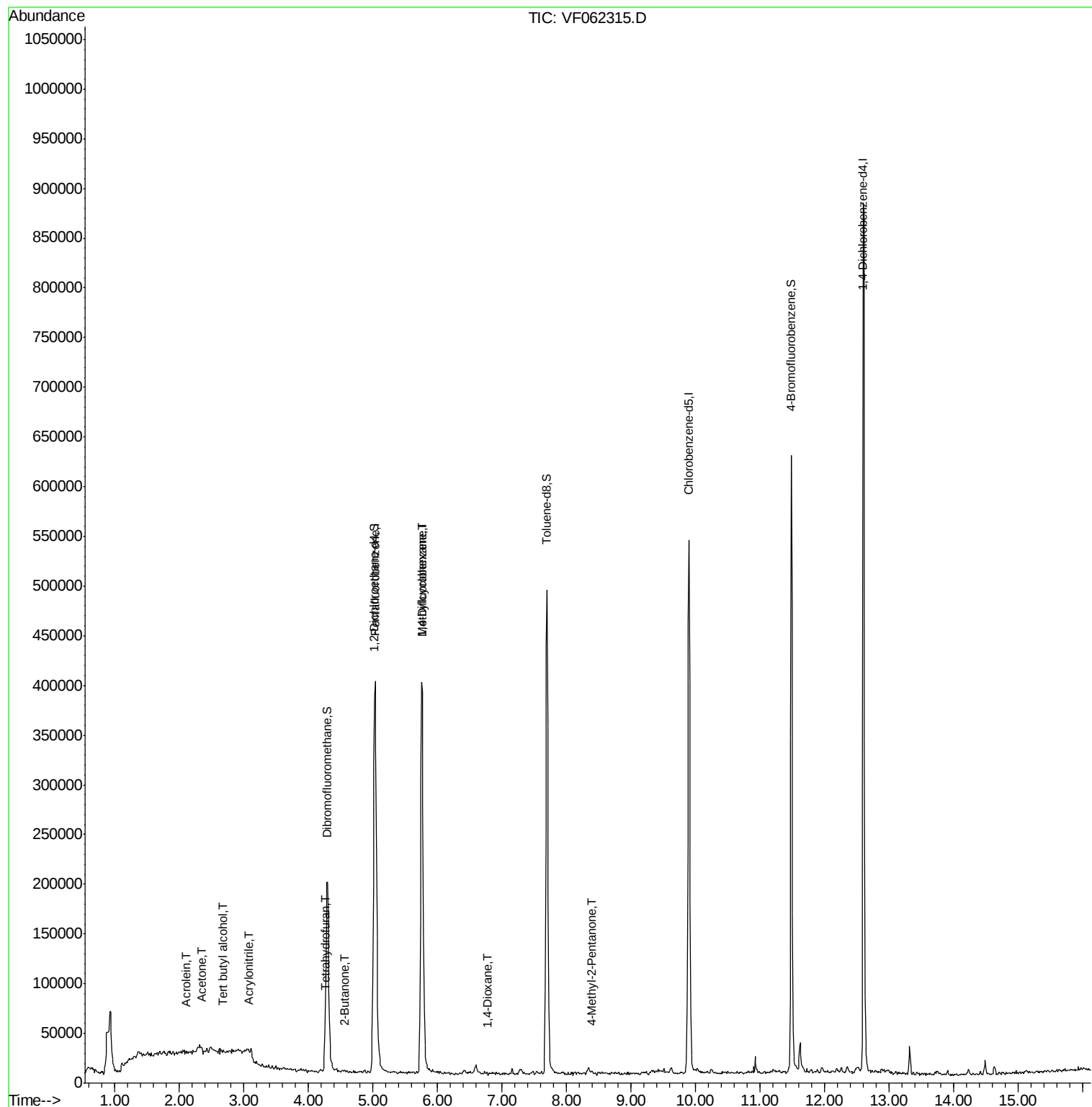
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1616	9.831	ug/l #	71
13) Acrolein	2.10	56	2088	21.351	ug/l #	60
15) Acrylonitrile	3.07	53	842	1.849	ug/l #	14
16) Acetone	2.34	43	4534	7.452	ug/l #	91
18) Methyl Acetate	2.44	43	1208	Below Cal	#	36
20) Methylene Chloride	2.31	84	4235	Below Cal	#	67
25) 2-Butanone	4.55	43	1579	1.637	ug/l #	57
29) Tetrahydrofuran	4.25	42	818	1.930	ug/l #	56
39) Methylcyclohexane	5.76	83	6521	1.296	ug/l #	42
49) 1,4-Dioxane	6.77	88	119	7.776	ug/l #	64
51) 4-Methyl-2-Pentanone	8.39	43	3078	2.154	ug/l #	64
59) 2-Hexanone	9.61	43	4009	Below Cal		88

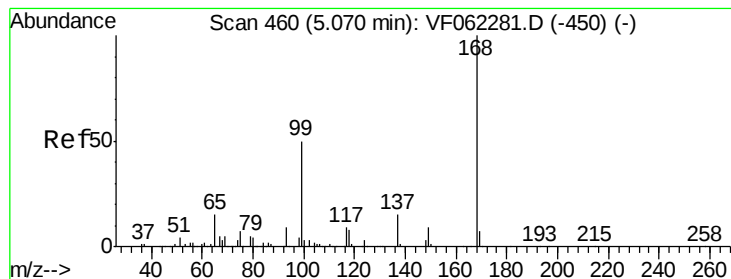
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
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Quant Time: Apr 29 16:37:18 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: 5.03 min Scan# 457

Delta R.T. -0.04 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

Instrument :

MSVOA_F

ClientSampleId :

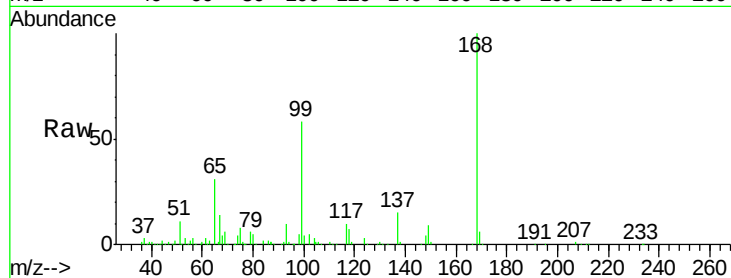
VF0429SBL01

Tot Ion:168 Resp: 335473

Ion Ratio Lower Upper

168 100

99 58.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.03

120000

100000

80000

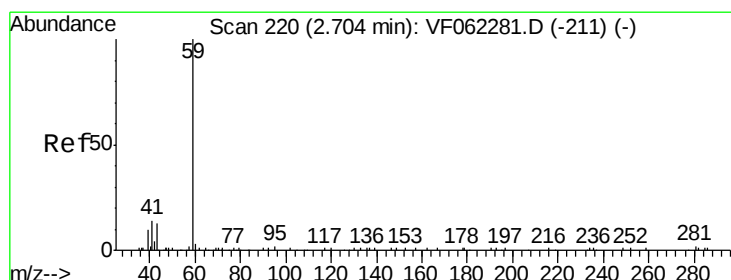
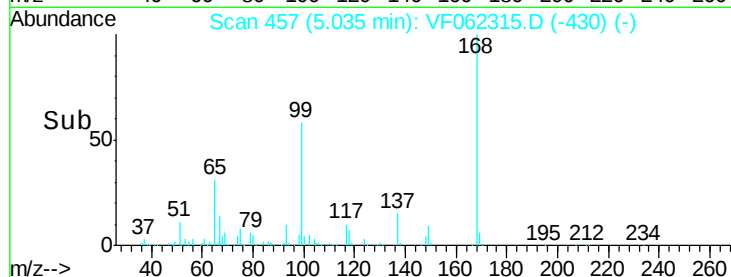
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.831 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF062315.D

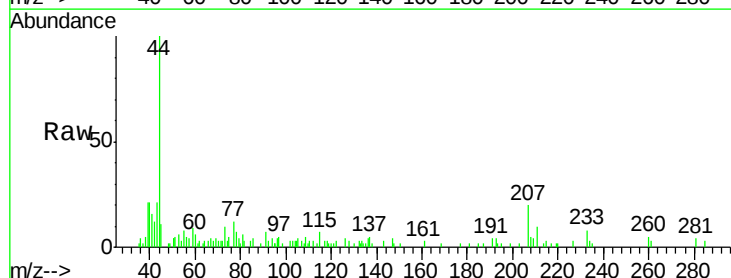
Acq: 29 Apr 2019 16:16

Tgt Ion: 59 Resp: 1616

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

600

500

400

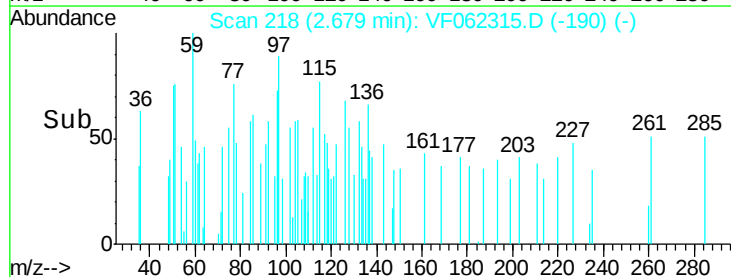
300

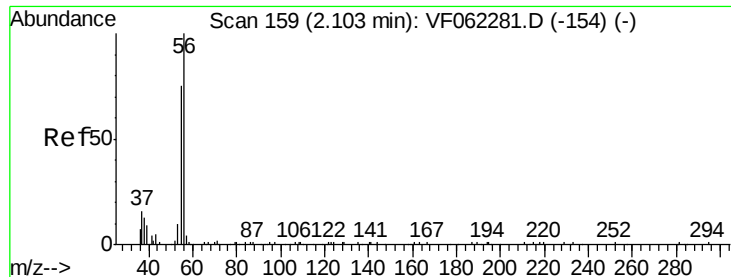
200

100

0

Time-->





#13

Acrolein

Concen: 21.351 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

Instrument :

MSVOA_F

ClientSampleId :

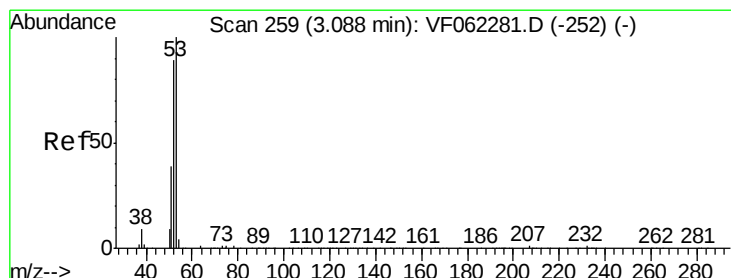
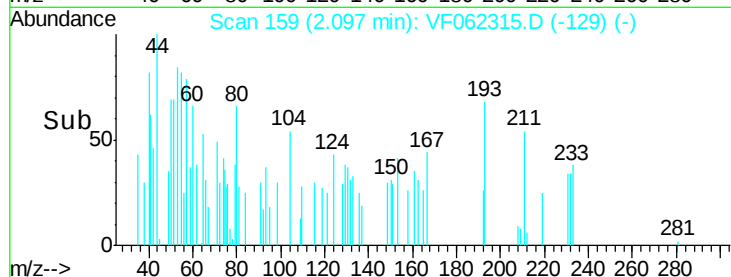
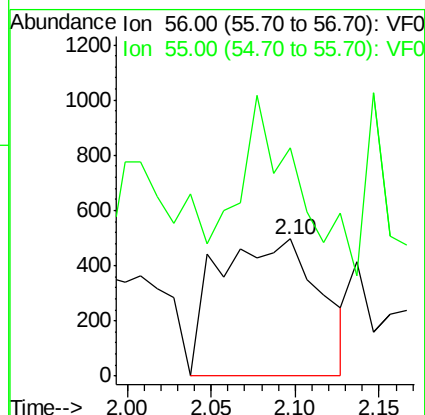
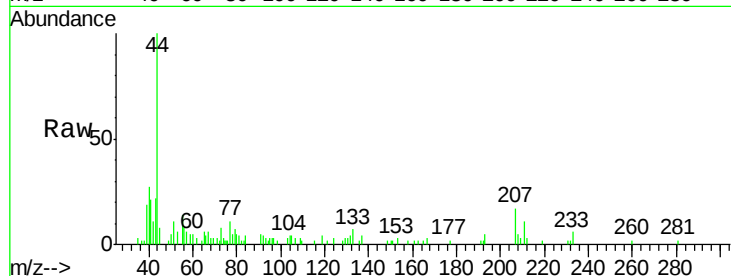
VF0429SBL01

Tot Ion: 56 Resp: 2088

Ion Ratio Lower Upper

56 100

55 43.3 62.3 93.5#



#15

Acrylonitrile

Concen: 1.849 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

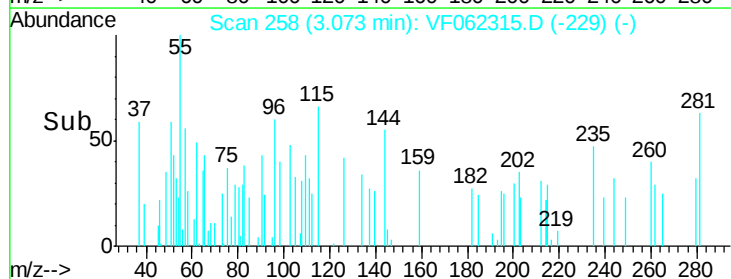
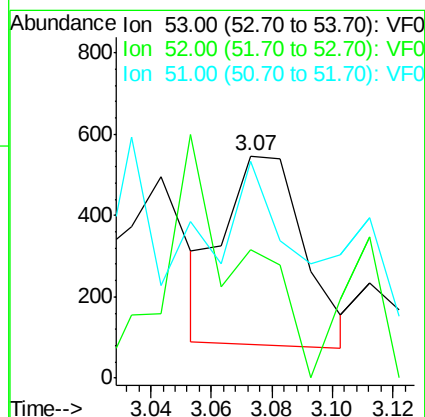
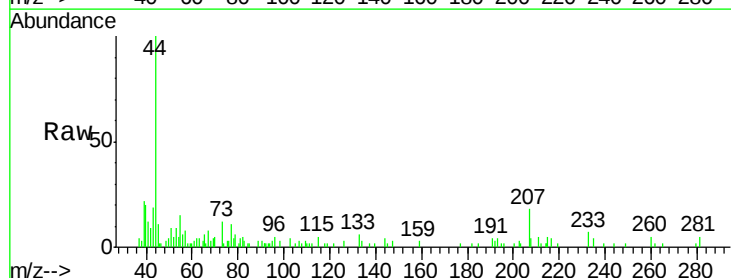
Tgt Ion: 53 Resp: 842

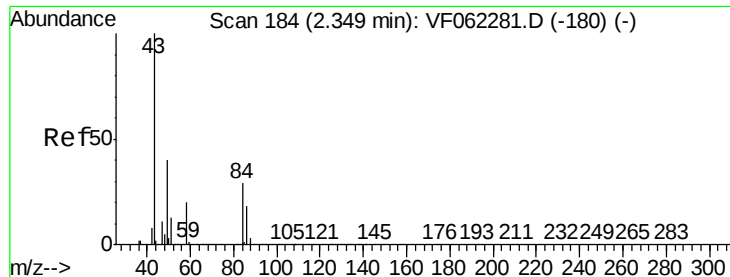
Ion Ratio Lower Upper

53 100

52 0.0 70.6 105.8#

51 83.0 32.6 48.8#





#16

Acetone

Concen: 7.452 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

Instrument :

MSVOA_F

ClientSampleId :

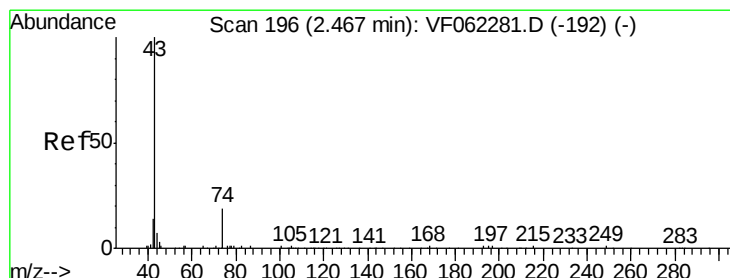
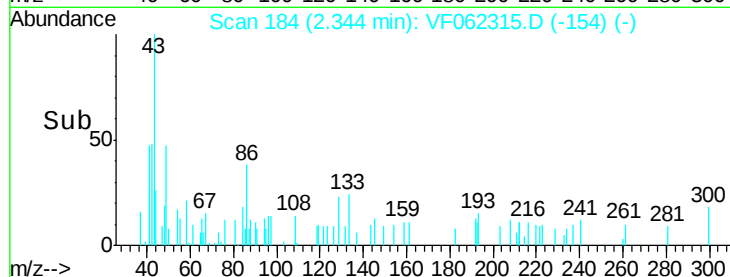
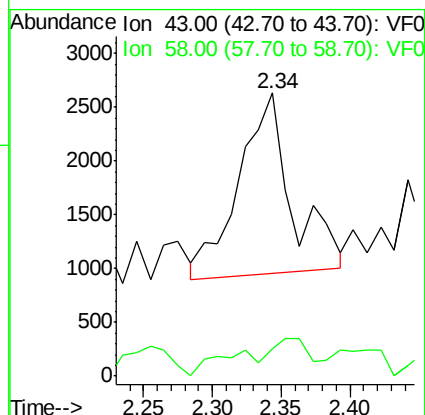
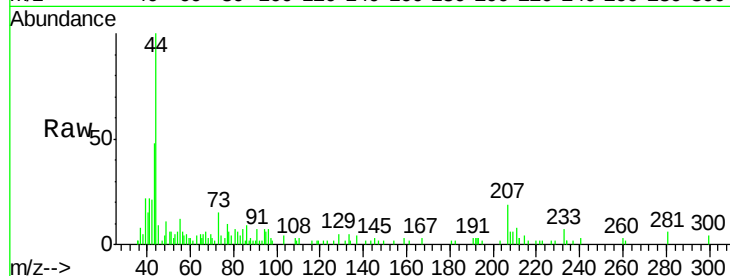
VF0429SBL01

Tot Ion: 43 Resp: 4534

Ion Ratio Lower Upper

43 100

58 16.2 16.4 24.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.44 min Scan# 194

Delta R.T. -0.02 min

Lab File: VF062315.D

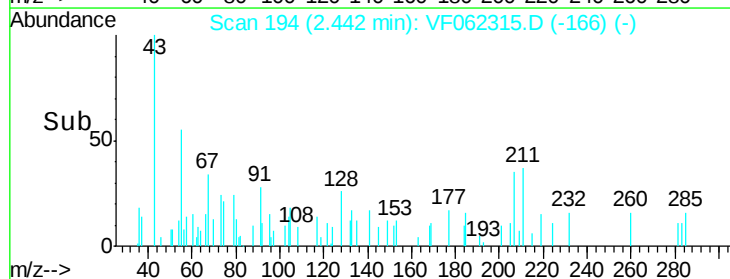
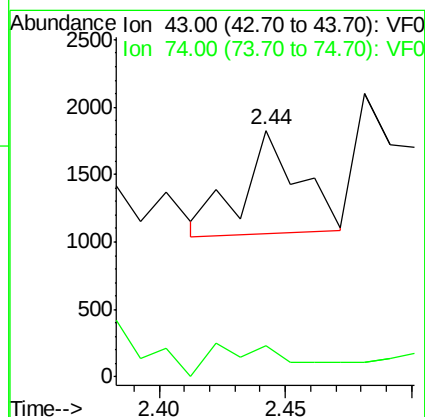
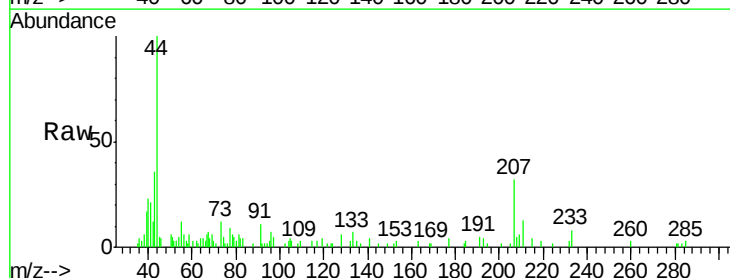
Acq: 29 Apr 2019 16:16

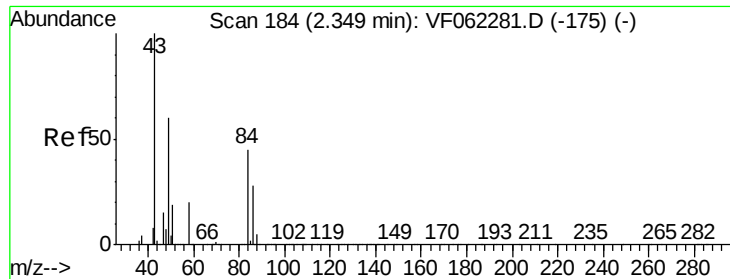
Tgt Ion: 43 Resp: 1208

Ion Ratio Lower Upper

43 100

74 46.4 14.4 21.6#

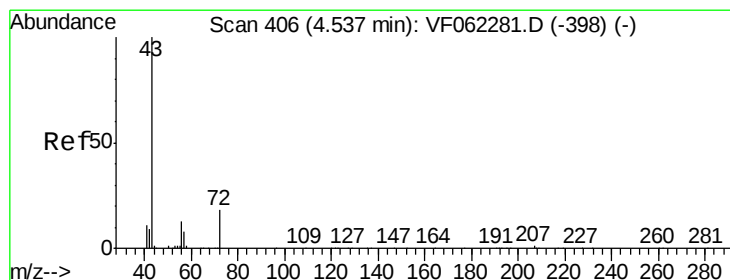
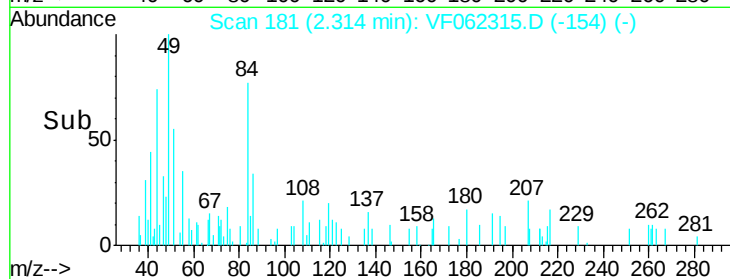
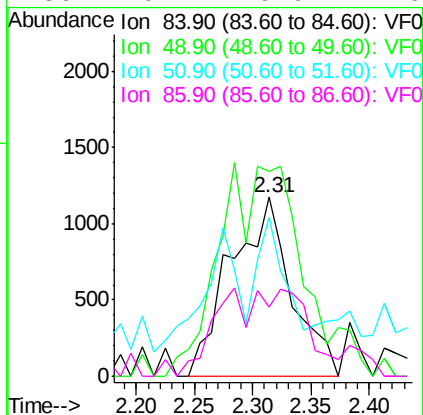
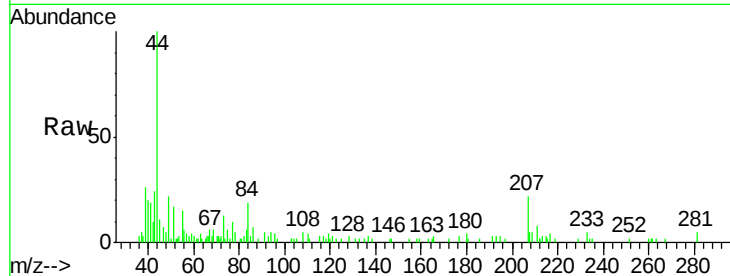




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 181
Delta R.T. -0.04 min
Lab File: VF062315.D
Acq: 29 Apr 2019 16:16

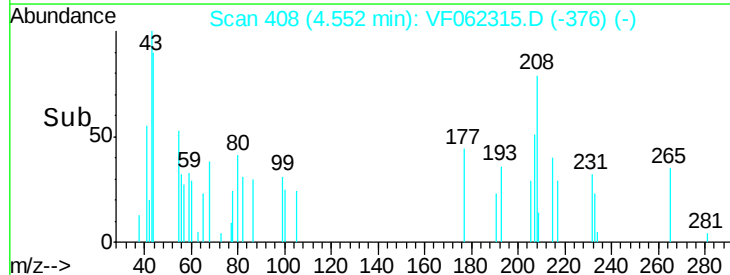
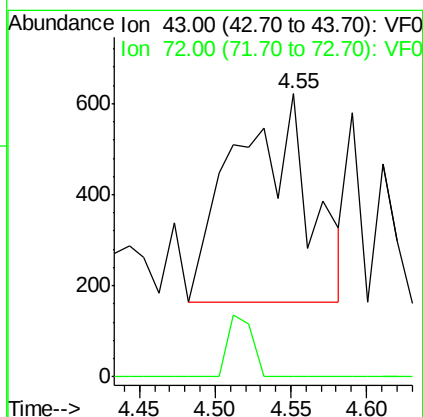
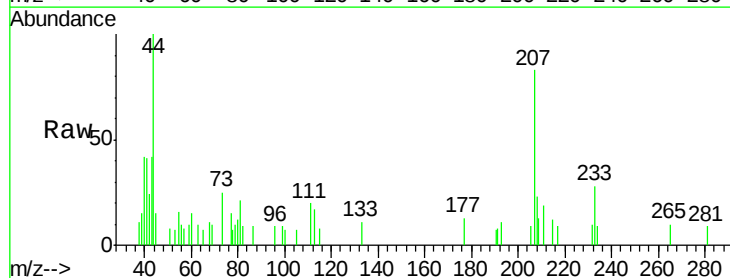
Instrument :
MSVOA_F
ClientSampleId :
VF0429SBL01

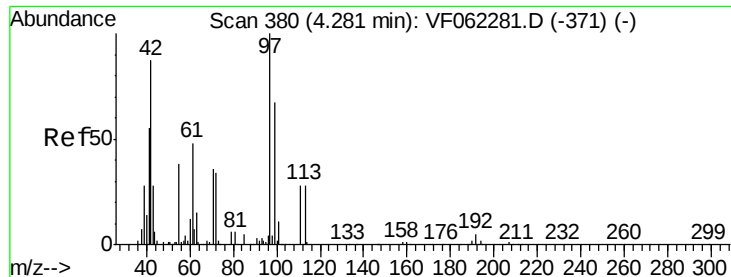
Tot Ion: 84 Resp: 4235
Ion Ratio Lower Upper
84 100
49 99.4 112.1 168.1#
51 57.6 35.9 53.9#
86 29.7 49.9 74.9#



#25
2-Butanone
Concen: 1.637 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: VF062315.D
Acq: 29 Apr 2019 16:16

Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
72 0.0 15.8 23.6#





#29

Tetrahydrofuran

Concen: 1.930 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.04 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

Instrument :

MSVOA_F

ClientSampleId :

VF0429SBL01

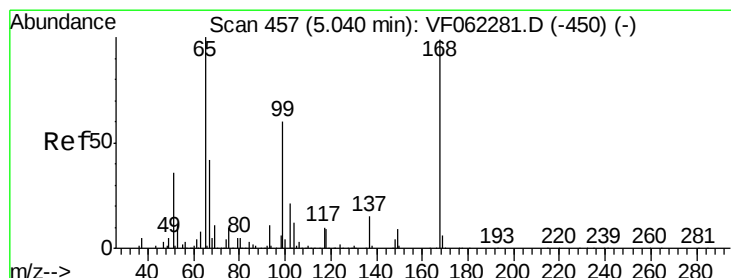
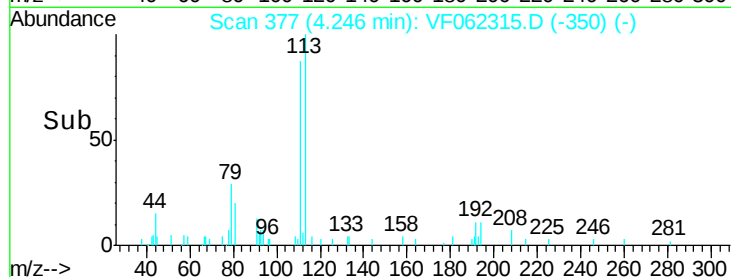
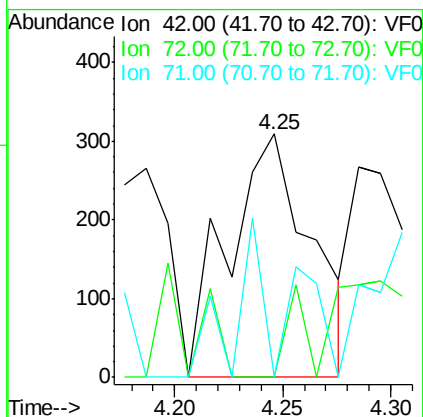
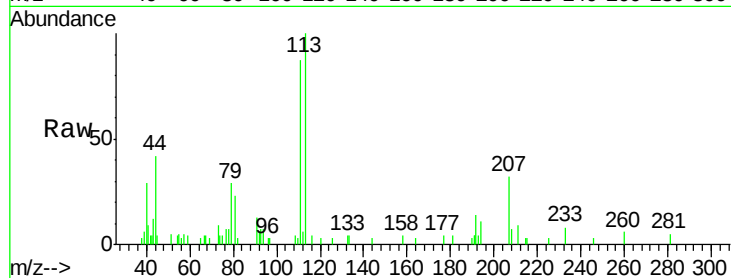
Tot Ion: 42 Resp: 818

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 22.0 31.2 46.8#



#33

1,2-Dichloroethane-d4

Concen: 57.904 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.03 min

Lab File: VF062315.D

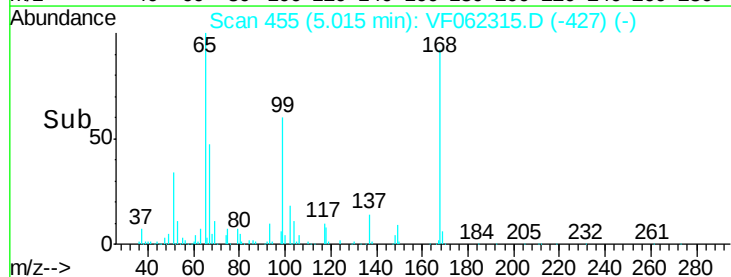
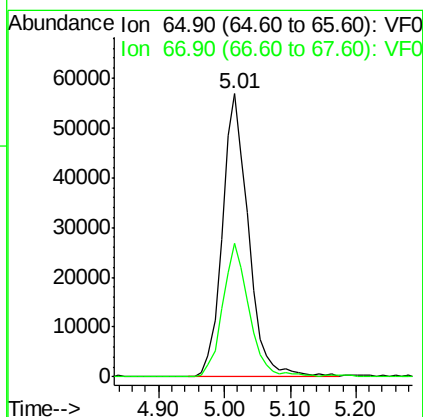
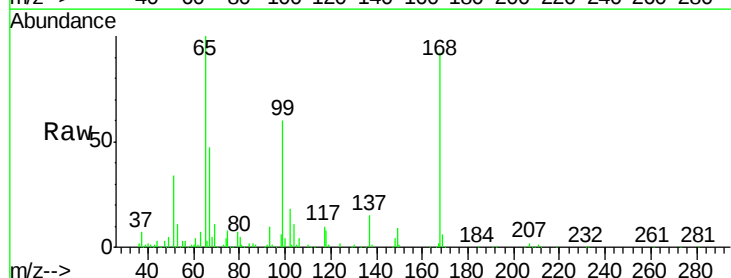
Acq: 29 Apr 2019 16:16

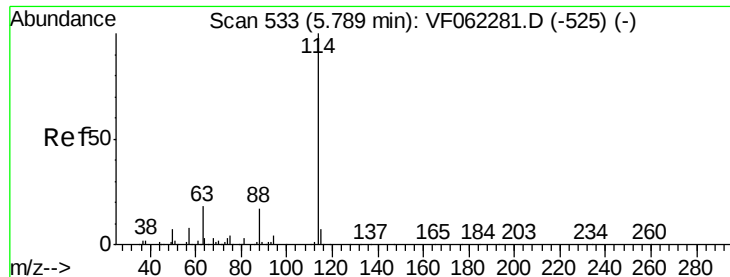
Tgt Ion: 65 Resp: 157346

Ion Ratio Lower Upper

65 100

67 47.9 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

Instrument :

MSVOA_F

ClientSampleId :

VF0429SBL01

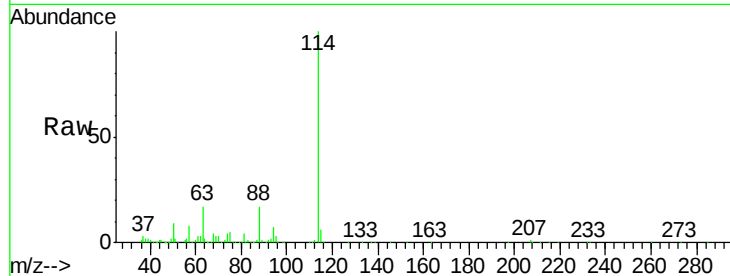
Tot Ion:114 Resp: 467352

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

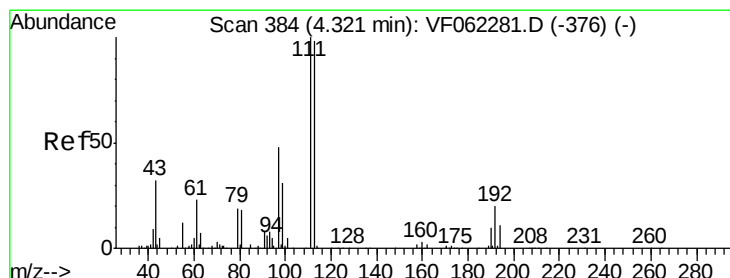
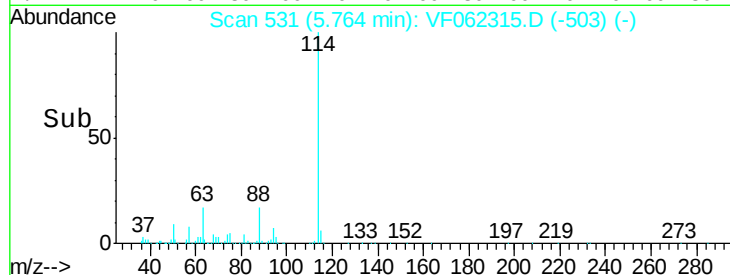
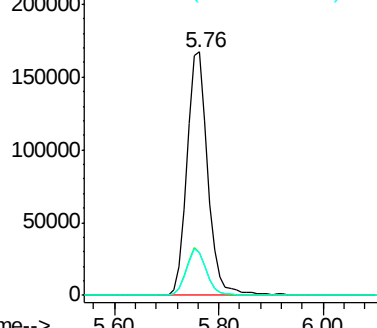
88 17.3 0.0 34.6



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: 51.524 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

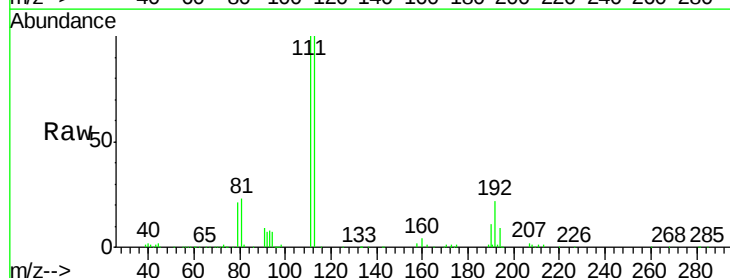
Tgt Ion:113 Resp: 178540

Ion Ratio Lower Upper

113 100

111 106.1 81.4 122.2

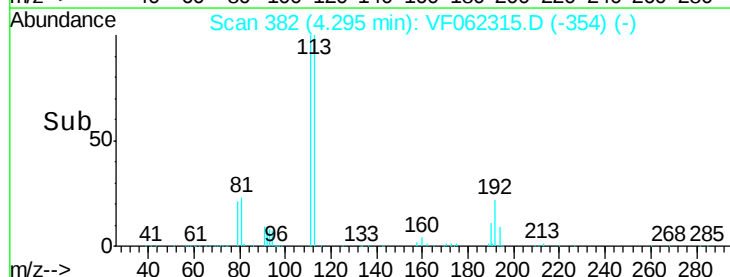
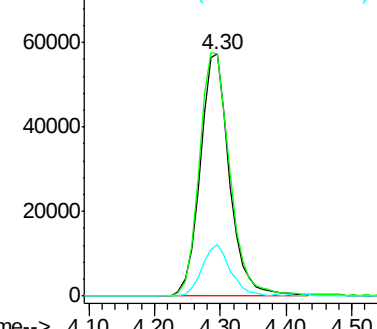
192 20.7 17.0 25.4

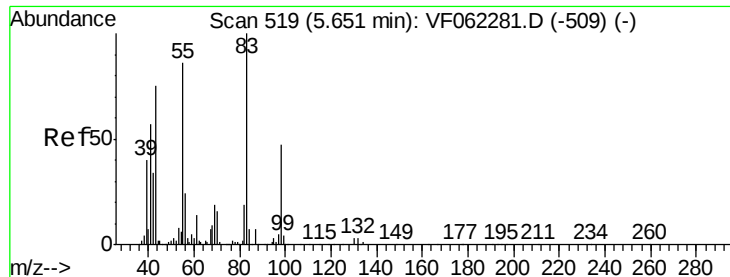


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methylcyclohexane

Concen: 1.296 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.11 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

Instrument :

MSVOA_F

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VF0429SBL01

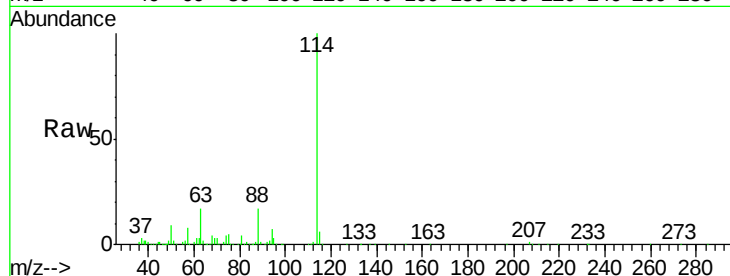
Tot Ion: 83 Resp: 6521

Ion Ratio Lower Upper

83 100

55 34.0 68.7 103.1#

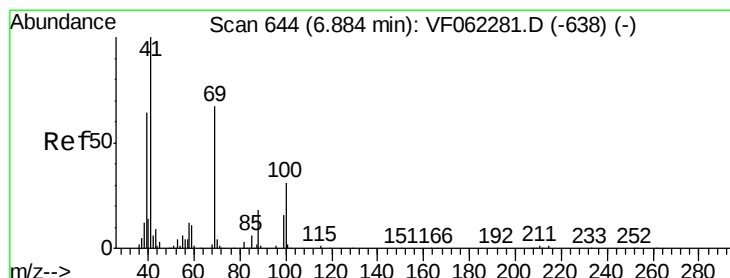
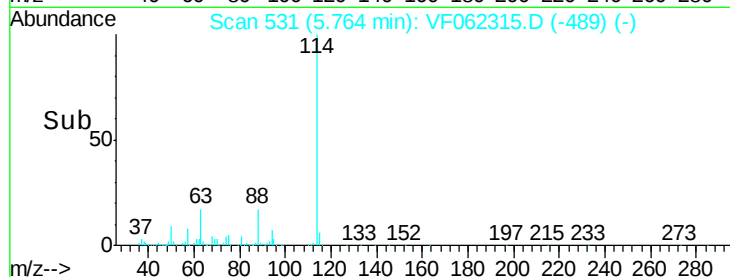
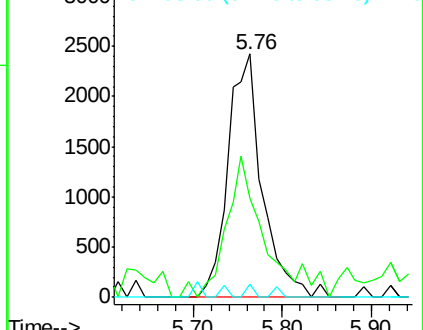
98 5.6 37.4 56.2#



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: 7.776 ug/l

RT: 6.77 min Scan# 633

Delta R.T. -0.11 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

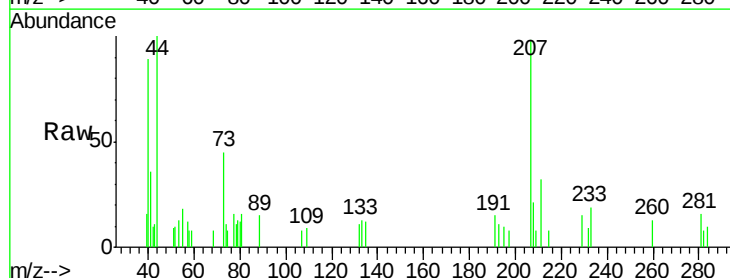
Tgt Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.4#

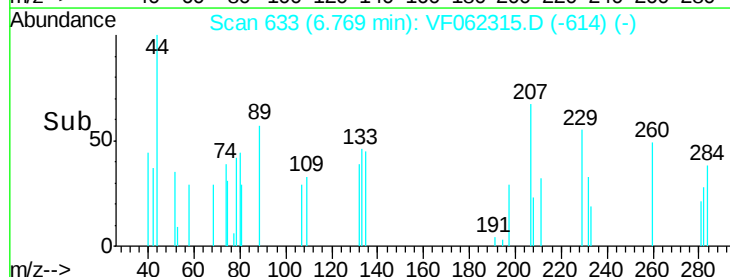
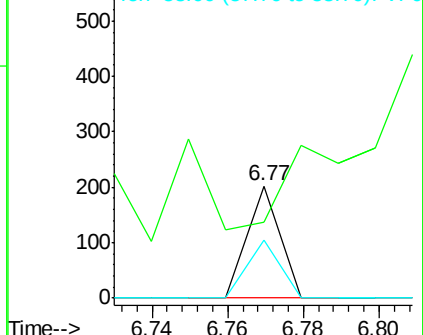
58 52.1 50.7 76.1

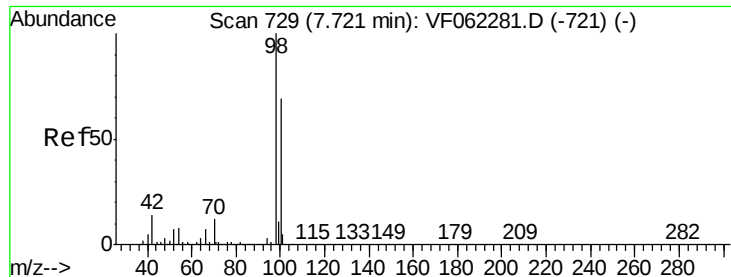


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 48.745 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF062315.D

Acq: 29 Apr 2019 16:16

Instrument :

MSVOA_F

ClientSampleId :

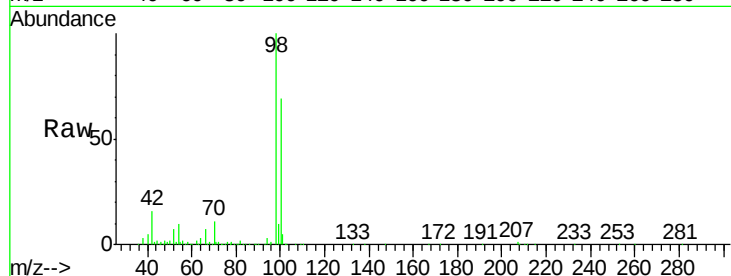
VF0429SBL01

Tot Ion: 98 Resp: 412581

Ion Ratio Lower Upper

98 100

100 67.5 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.70

200000

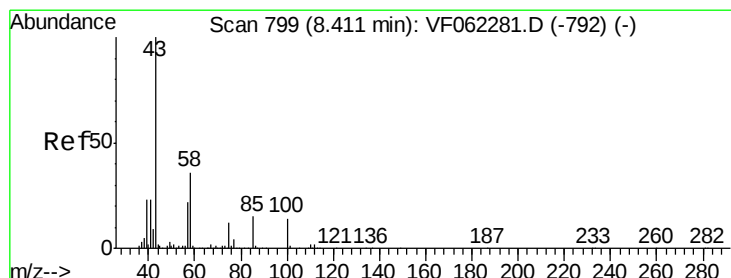
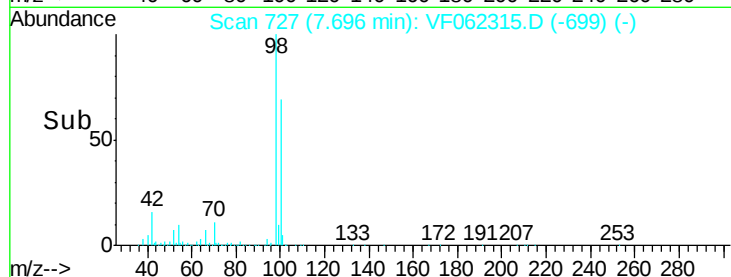
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.154 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.03 min

Lab File: VF062315.D

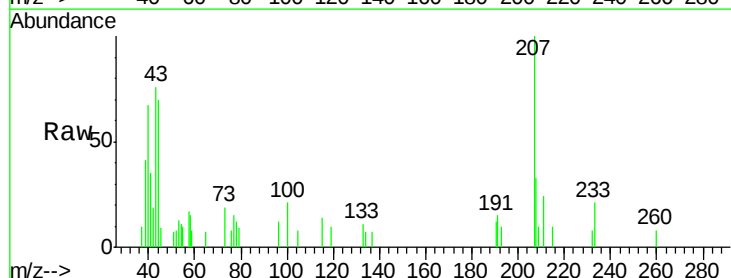
Acq: 29 Apr 2019 16:16

Tgt Ion: 43 Resp: 3078

Ion Ratio Lower Upper

43 100

58 15.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

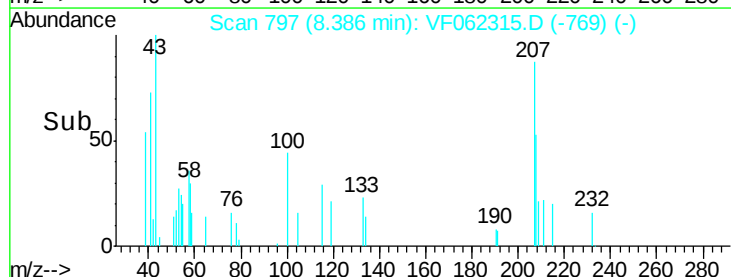
8.39

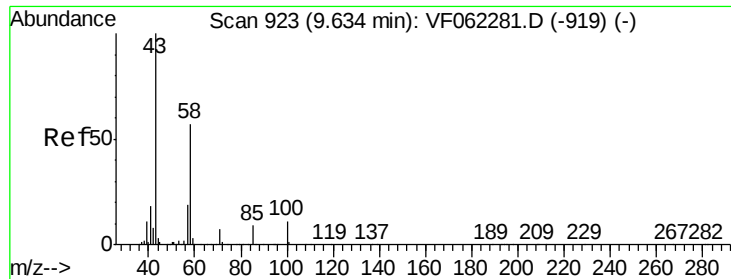
1000

500

0

Time-->

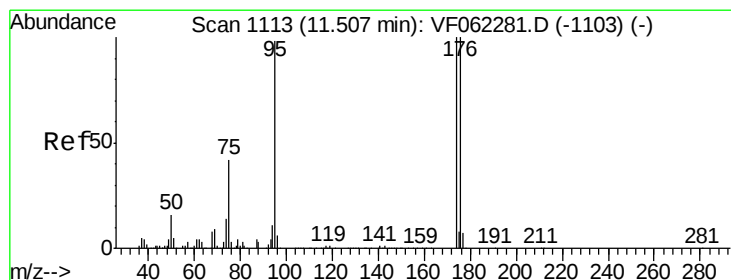
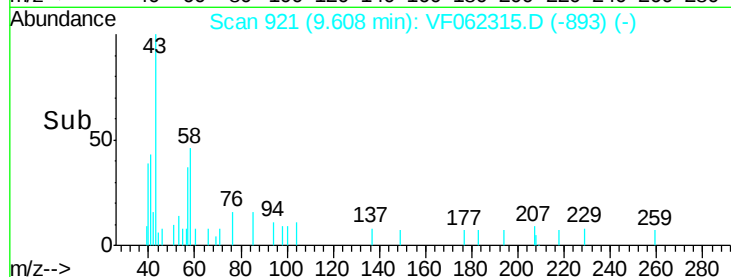
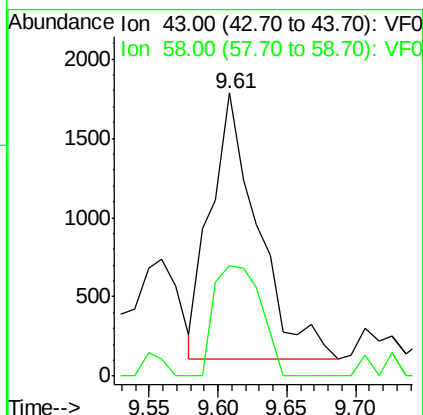
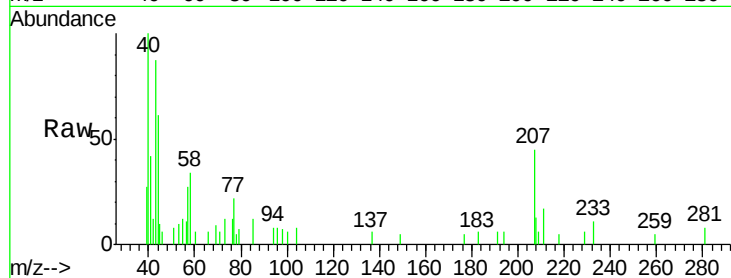




#59
2-Hexanone
Concen: Below Cal
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062315.D
Acq: 29 Apr 2019 16:16

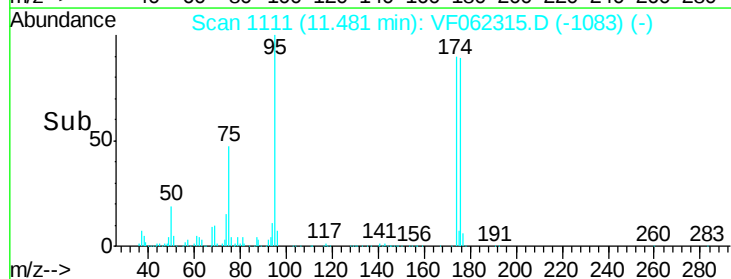
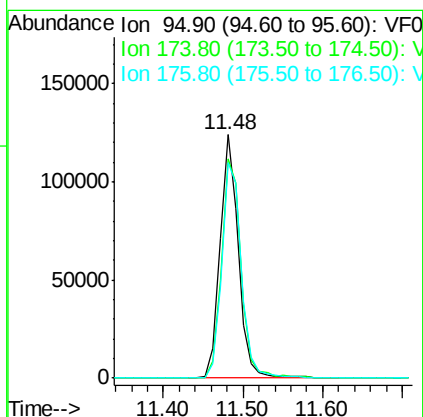
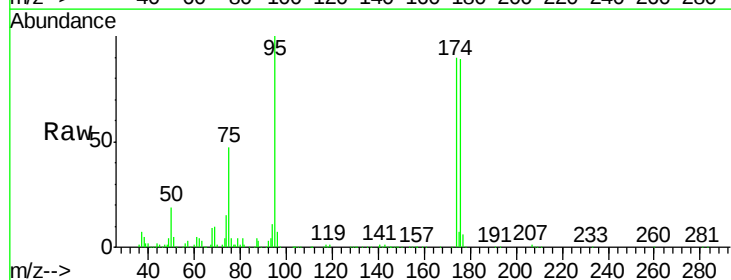
Instrument :
MSVOA_F
ClientSampleId :
VF0429SBL01

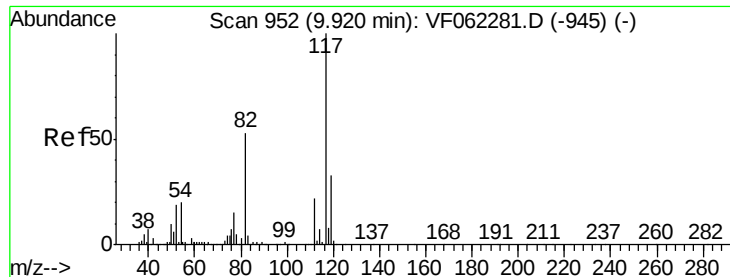
Tot Ion: 43 Resp: 4009
Ion Ratio Lower Upper
43 100
58 41.3 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 57.987 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VF062315.D
Acq: 29 Apr 2019 16:16

Tgt Ion: 95 Resp: 202304
Ion Ratio Lower Upper
95 100
174 96.0 0.0 185.2
176 94.6 0.0 184.8

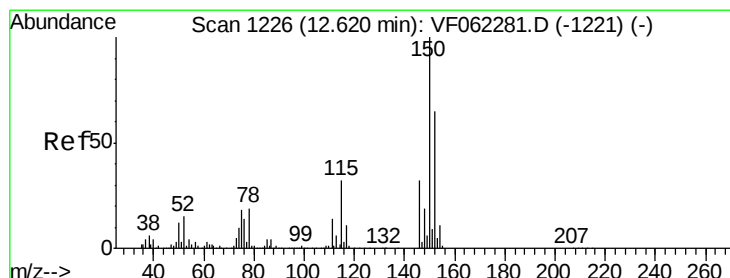
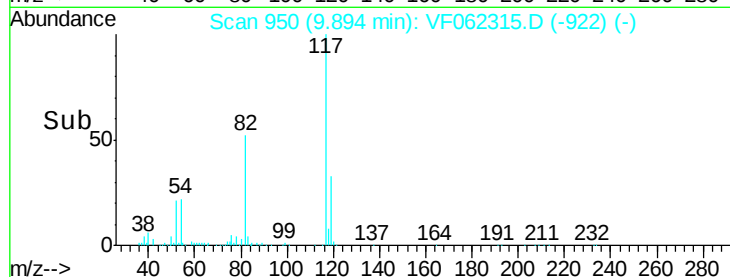
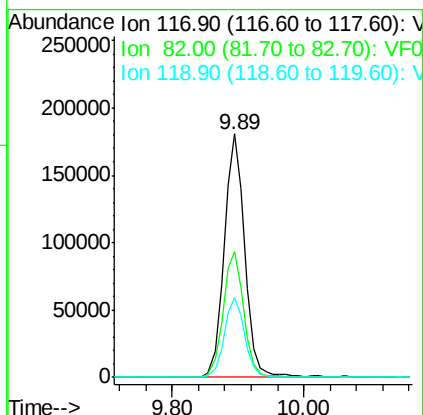
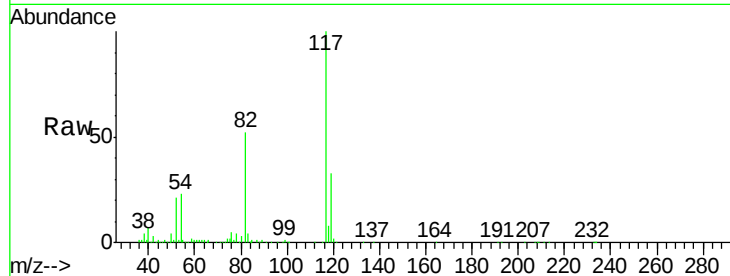




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062315.D
Acq: 29 Apr 2019 16:16

Instrument :
MSVOA_F
ClientSampleId :
VF0429SBL01

Tot Ion:117 Resp: 394055
Ion Ratio Lower Upper
117 100
82 51.9 42.6 64.0
119 33.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062315.D
Acq: 29 Apr 2019 16:16

Tgt Ion:152 Resp: 261332
Ion Ratio Lower Upper
152 100
115 53.7 25.6 76.8
150 152.5 0.0 330.6

