

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
 Data File : VF061256.D
 Acq On : 2 Jan 2019 16:06
 Operator : VA/AP
 Sample : J6546-03RE
 Misc : 6.22g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0058

Quant Time: Jan 03 03:49:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	230750	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	402385	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	376505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	201949	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	132338	44.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.18%	
35) Dibromofluoromethane	4.10	113	151100	46.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	93.76%	
50) Toluene-d8	7.54	98	398146	43.59	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.18%	
62) 4-Bromofluorobenzene	11.41	95	198100	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	

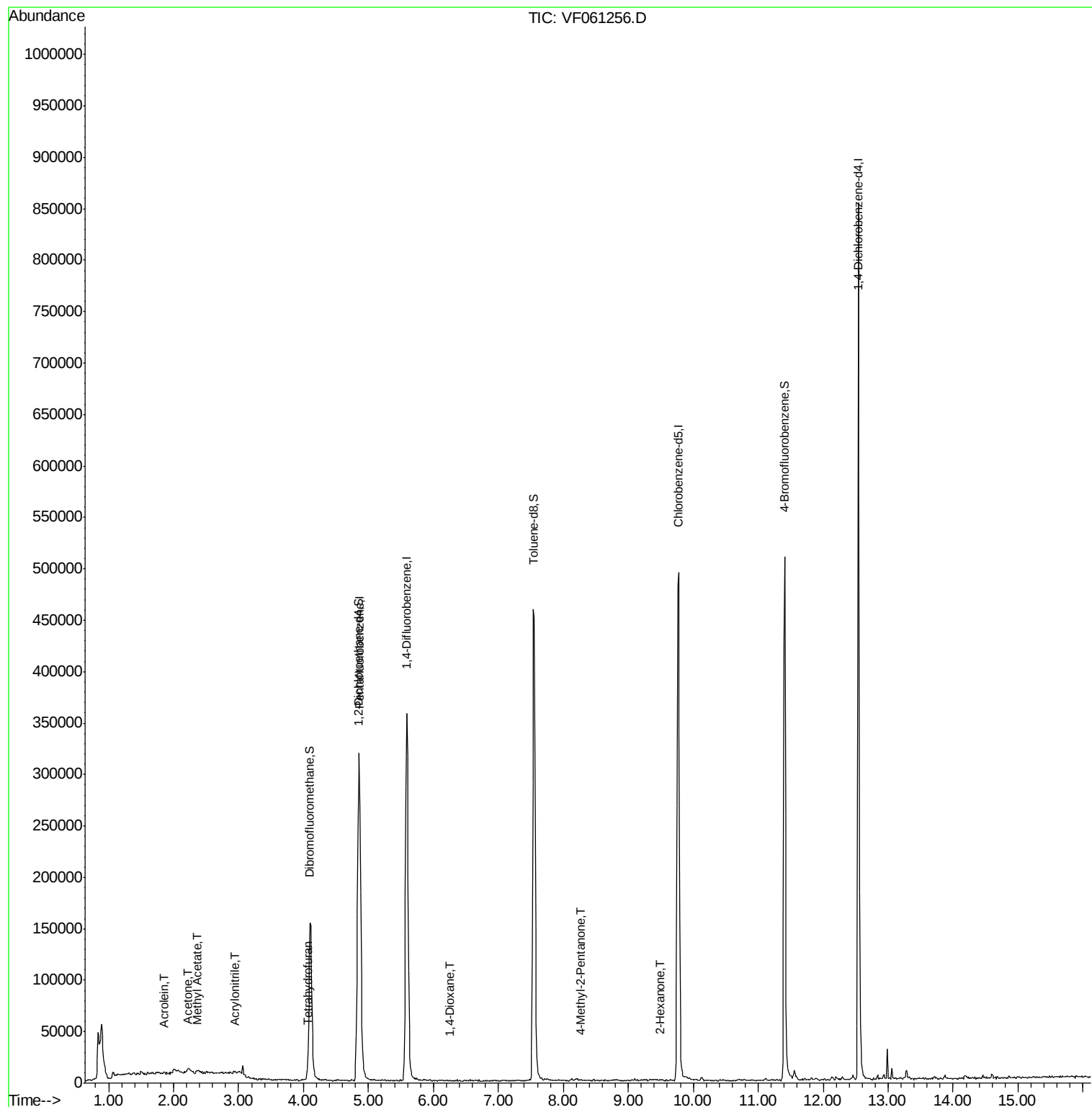
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.84	56	473	5.466	ug/l	99
15) Acrylonitrile	2.94	53	684	2.470	ug/l #	35
16) Acetone	2.23	43	8139	13.718	ug/l #	91
18) Methyl Acetate	2.36	43	1423	1.159	ug/l #	66
20) Methylene Chloride	2.23	84	1005	Below Cal	#	70
29) Tetrahydrofuran	4.05	42	521	1.330	ug/l #	46
49) 1,4-Dioxane	6.26	88	75	6.313	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	1725	1.072	ug/l #	75
59) 2-Hexanone	9.50	43	1238	1.064	ug/l #	27
70) Styrene	10.78	104	541	Below Cal	#	16
78) n-propylbenzene	11.59	91	1838	Below Cal		94
87) 1,3-Dichlorobenzene	12.47	146	634	Below Cal	#	57

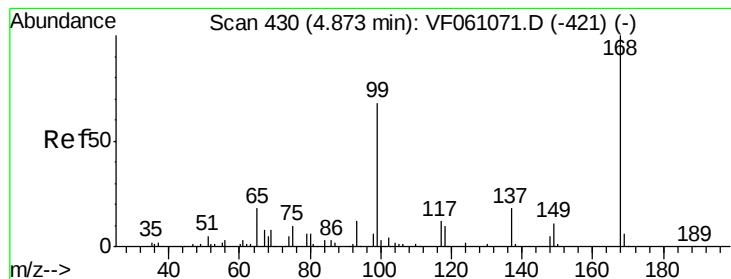
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

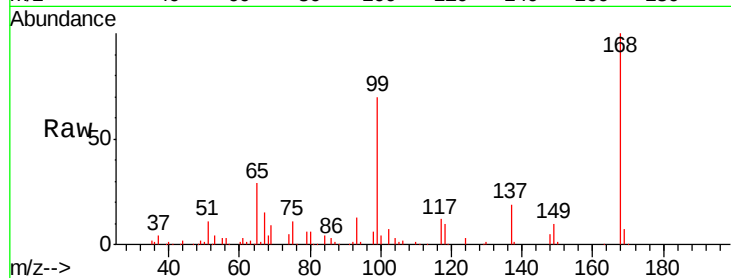
S72-0058

Tgt Ion:168 Resp: 230750

Ion Ratio Lower Upper

168 100

99 70.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

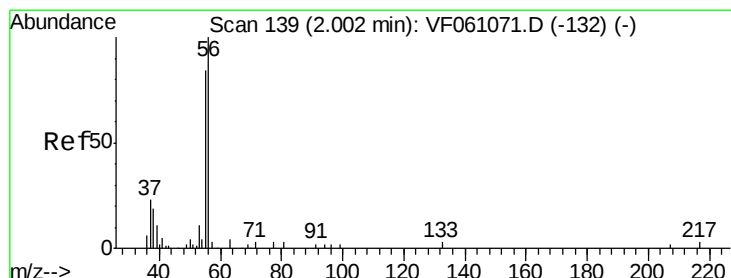
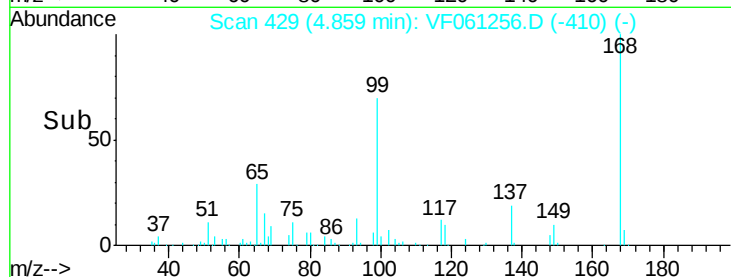
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 5.466 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.16 min

Lab File: VF061256.D

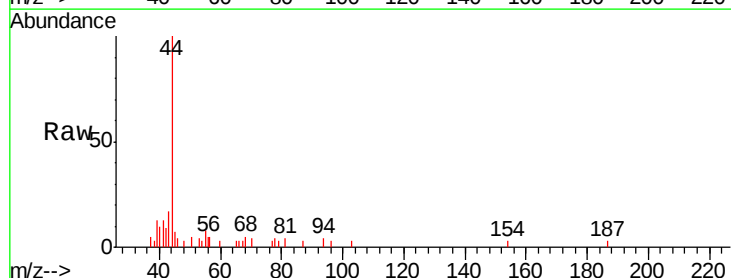
Acq: 2 Jan 2019 16:06

Tgt Ion: 56 Resp: 473

Ion Ratio Lower Upper

56 100

55 86.9 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.84

400

300

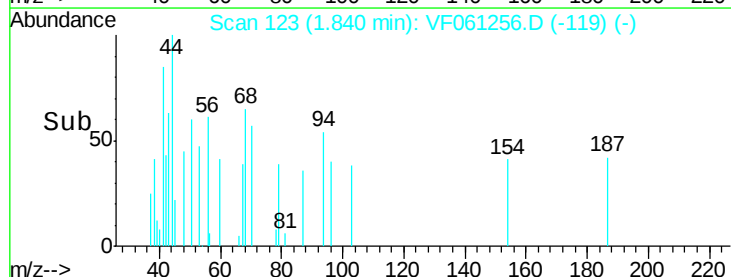
200

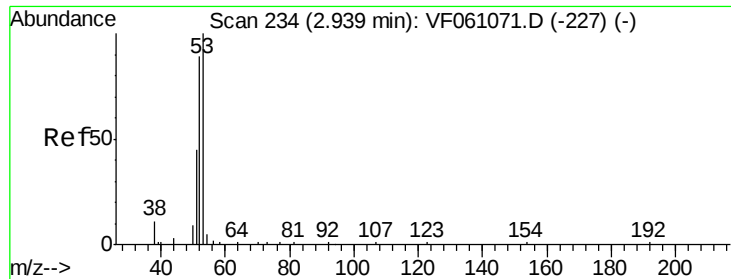
100

0

Time-->

1.82 1.84 1.86 1.88





#15

Acrylonitrile

Concen: 2.470 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

S72-0058

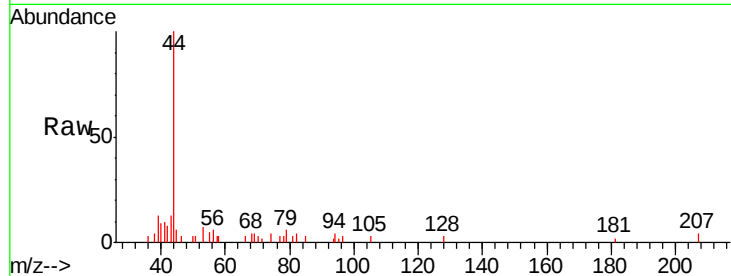
Tgt Ion: 53 Resp: 684

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

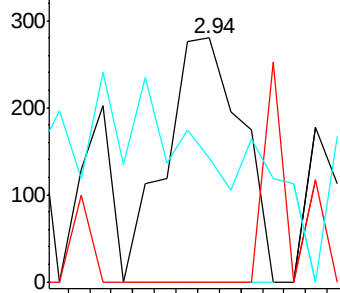
51 50.7 36.8 55.2



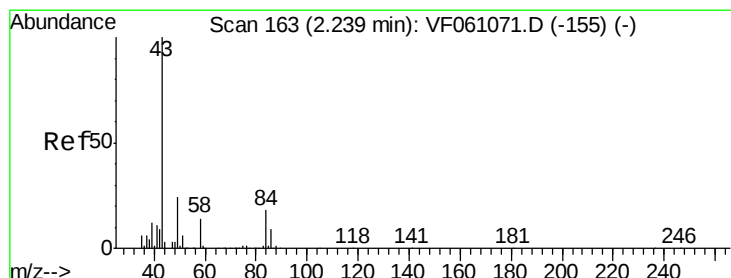
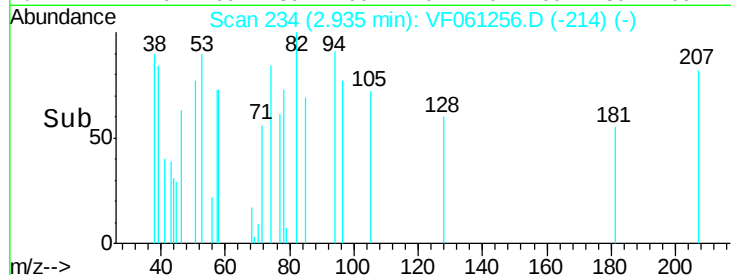
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 13.718 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061256.D

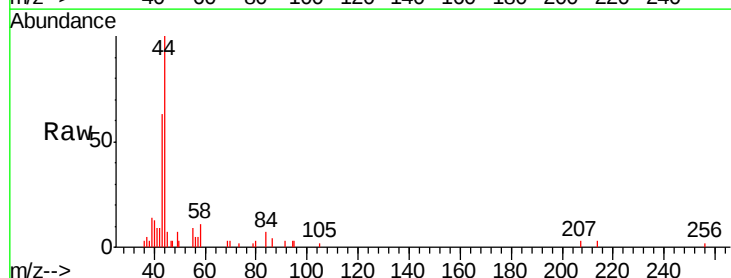
Acq: 2 Jan 2019 16:06

Tgt Ion: 43 Resp: 8139

Ion Ratio Lower Upper

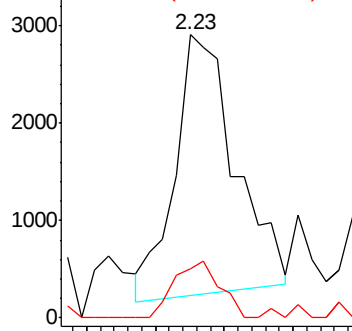
43 100

58 17.5 11.1 16.7#

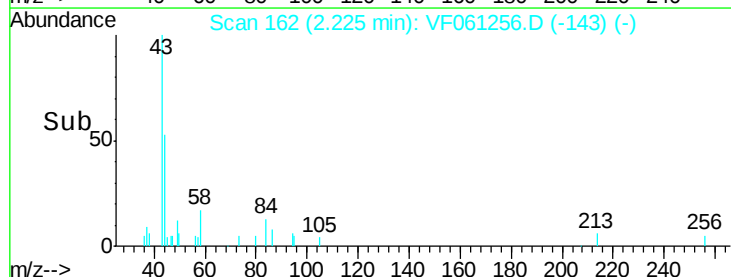


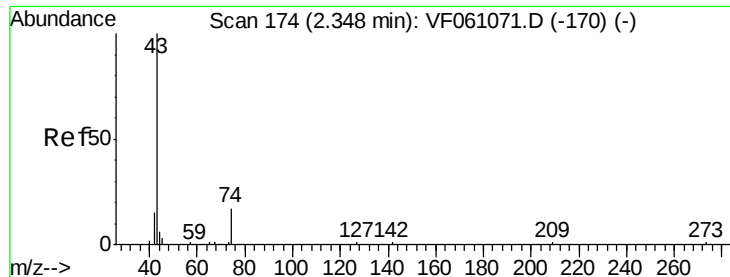
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

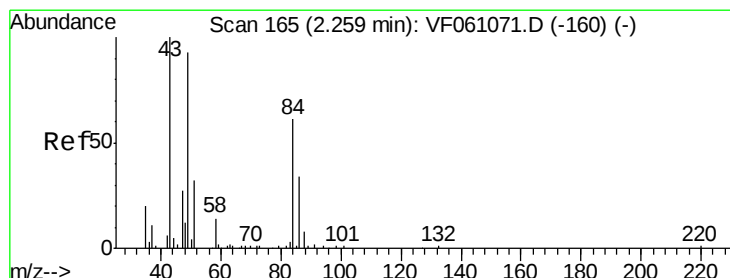
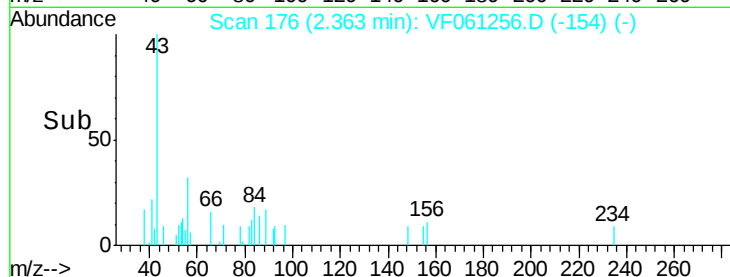
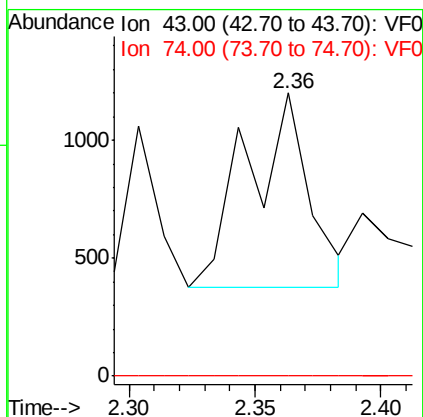
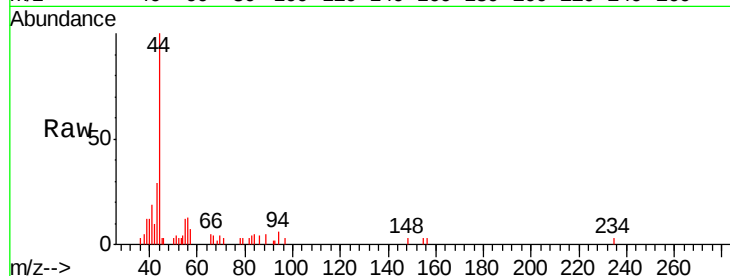




#18
Methyl Acetate
Concen: 1.159 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061256.D
Acq: 2 Jan 2019 16:06

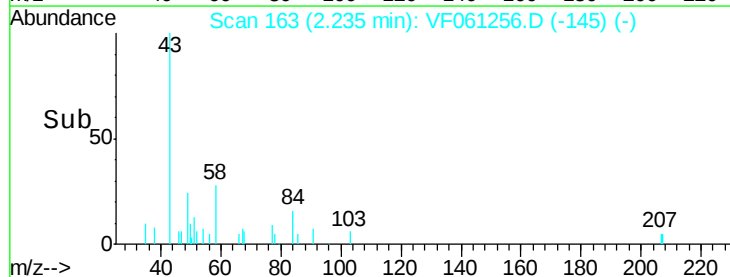
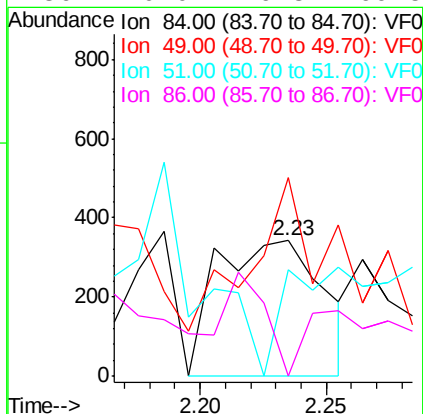
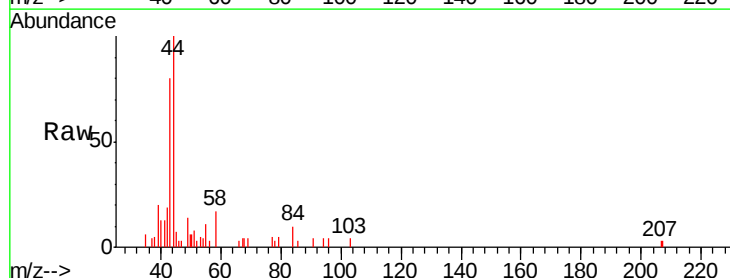
Instrument :
MSVOA_F
ClientSampleId :
S72-0058

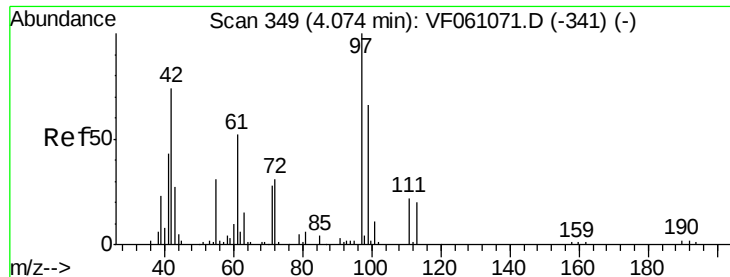
Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061256.D
Acq: 2 Jan 2019 16:06

Tgt Ion: 84 Resp: 1005
Ion Ratio Lower Upper
84 100
49 146.5 129.4 194.2
51 78.4 44.0 66.0#
86 0.0 46.3 69.5#





#29

Tetrahydrofuran

Concen: 1.330 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

Instrument :

MSVOA_F

ClientSampled :

S72-0058

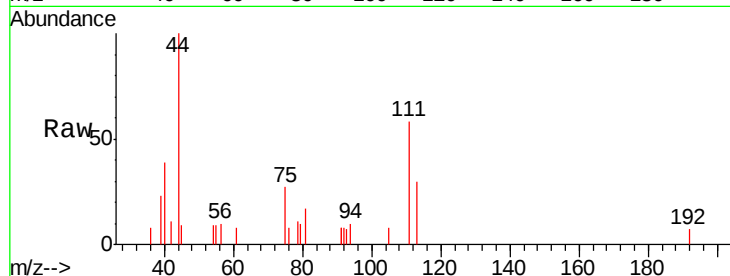
Tgt Ion: 42 Resp: 521

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

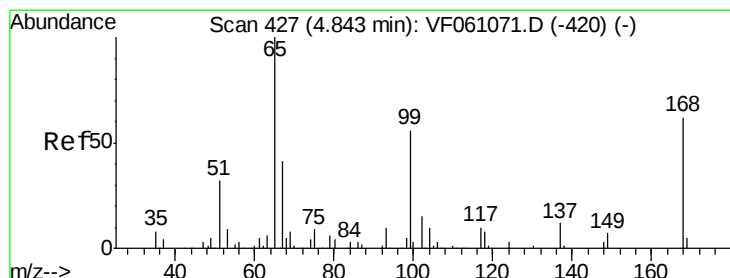
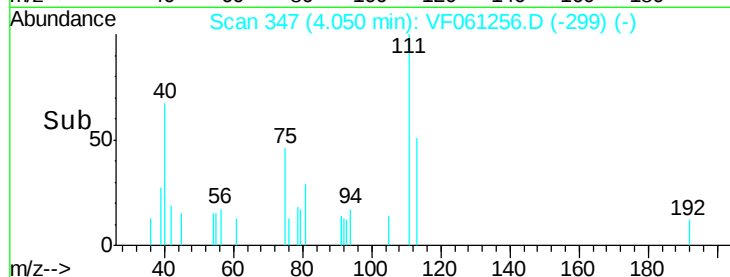
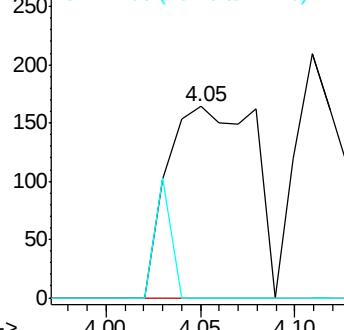
71 11.7 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 44.591 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061256.D

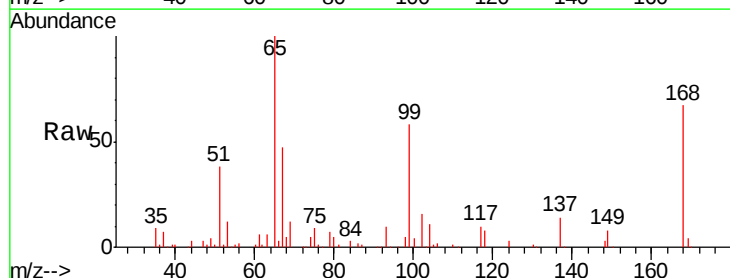
Acq: 2 Jan 2019 16:06

Tgt Ion: 65 Resp: 132338

Ion Ratio Lower Upper

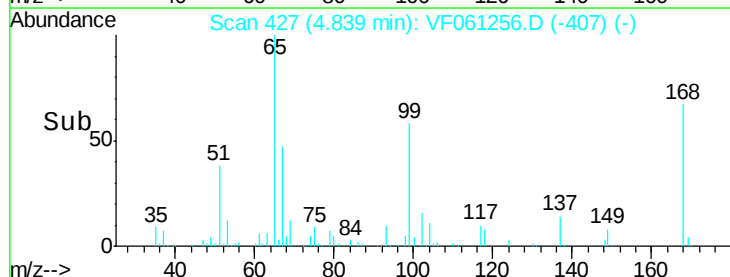
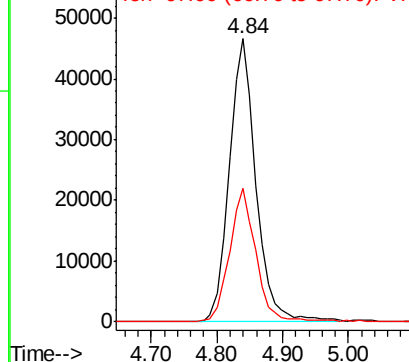
65 100

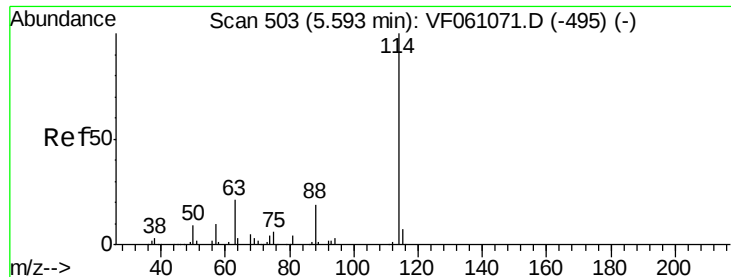
67 47.2 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

S72-0058

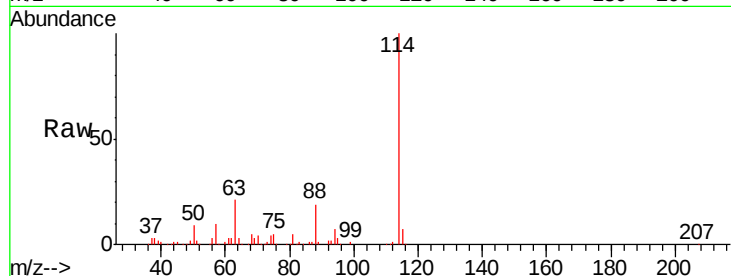
Tgt Ion:114 Resp: 402385

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

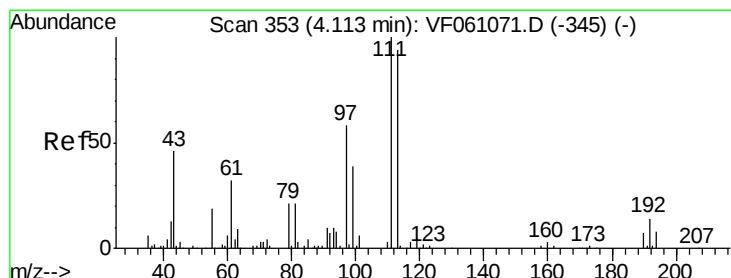
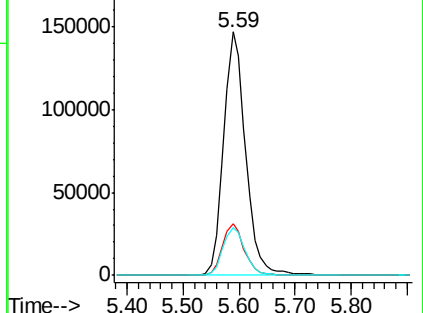
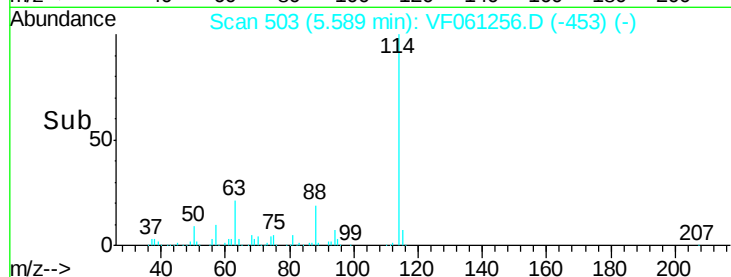
88 19.4 0.0 38.0



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



#35

Dibromofluoromethane

Concen: 46.877 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

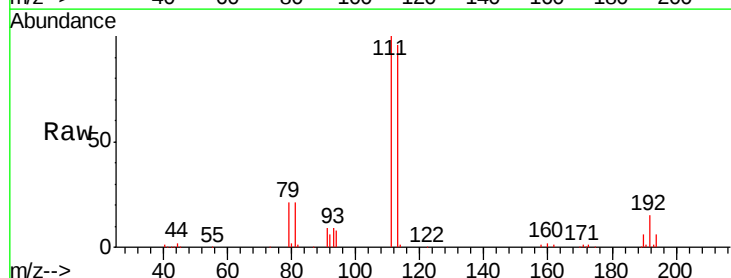
Tgt Ion:113 Resp: 151100

Ion Ratio Lower Upper

113 100

111 104.2 85.2 127.8

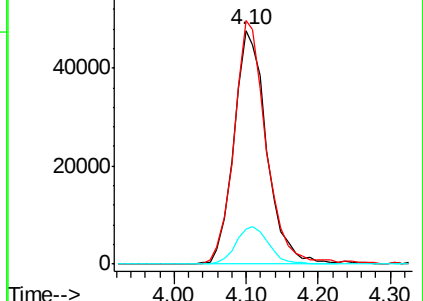
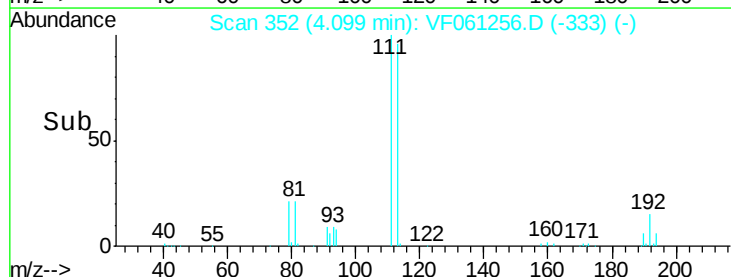
192 15.2 12.8 19.2

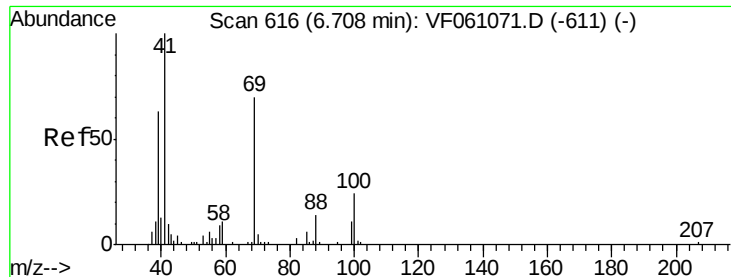


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

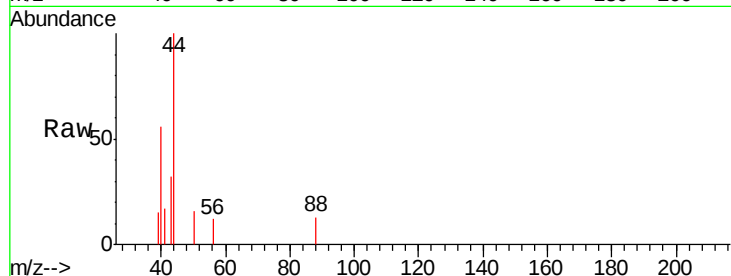




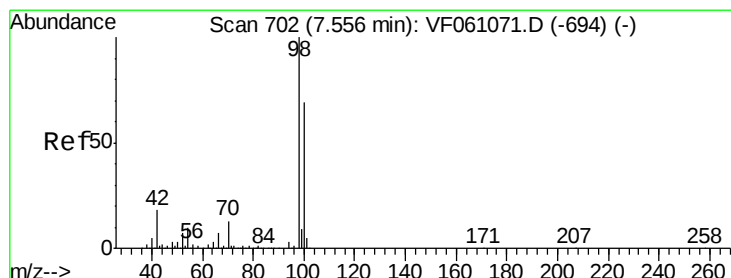
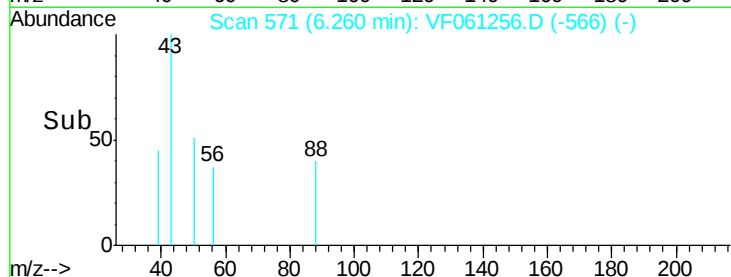
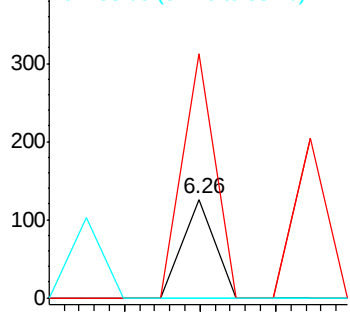
#49
1,4-Dioxane
Concen: 6.313 ug/l
RT: 6.26 min Scan# 571
Delta R.T. -0.45 min
Lab File: VF061256.D
Acq: 2 Jan 2019 16:06

Instrument :
MSVOA_F
ClientSampled :
S72-0058

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 247.6 33.3 49.9#
58 0.0 53.2 79.8#

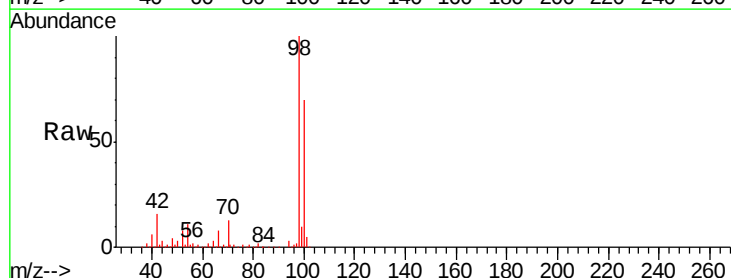


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

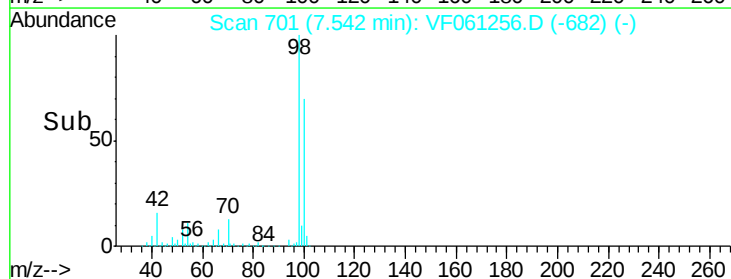
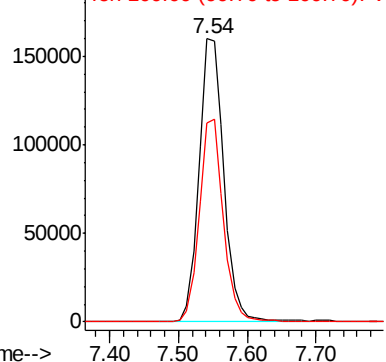


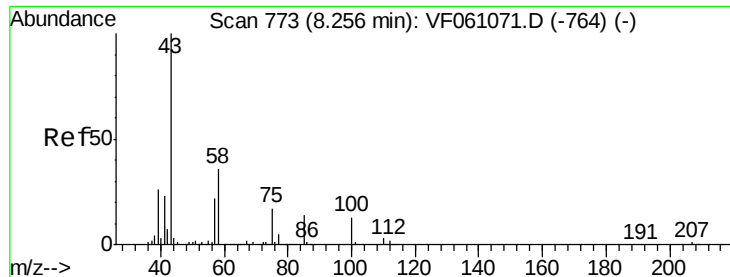
#50
Toluene-d8
Concen: 43.587 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061256.D
Acq: 2 Jan 2019 16:06

Tgt Ion: 98 Resp: 398146
Ion Ratio Lower Upper
98 100
100 70.4 55.3 82.9



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: 1.072 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.02 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

Instrument :

MSVOA_F

ClientSampled :

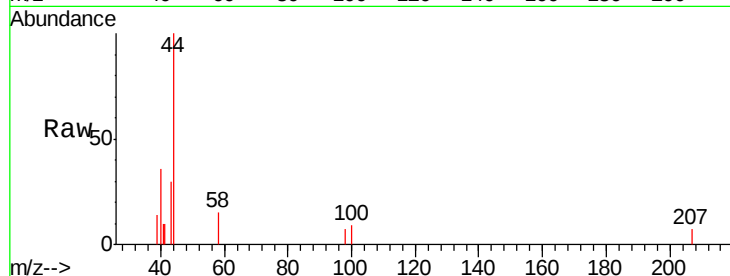
S72-0058

Tgt Ion: 43 Resp: 1725

Ion Ratio Lower Upper

43 100

58 51.0 29.1 43.7#

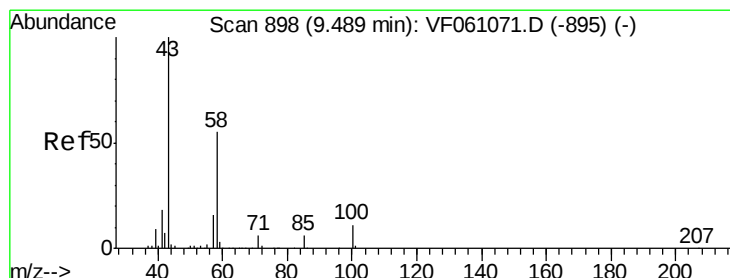
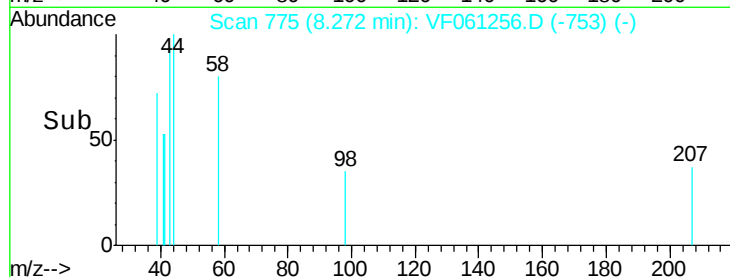


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

Time-->



#59

2-Hexanone

Concen: 1.064 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.01 min

Lab File: VF061256.D

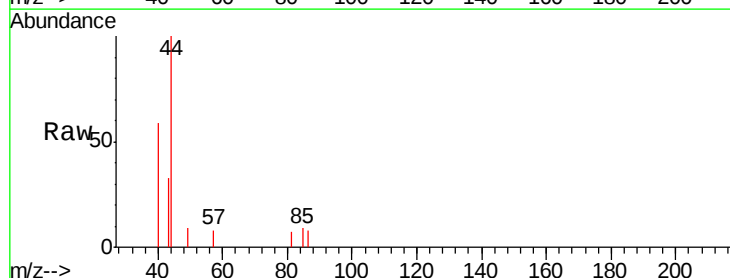
Acq: 2 Jan 2019 16:06

Tgt Ion: 43 Resp: 1238

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.2#

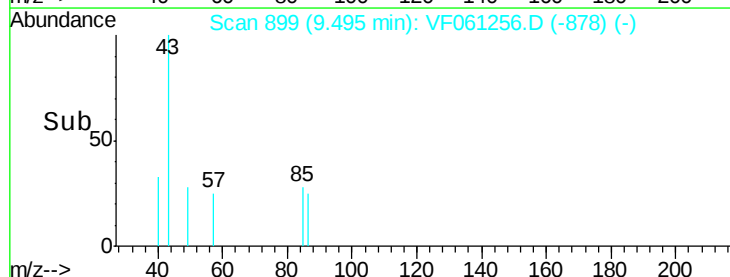


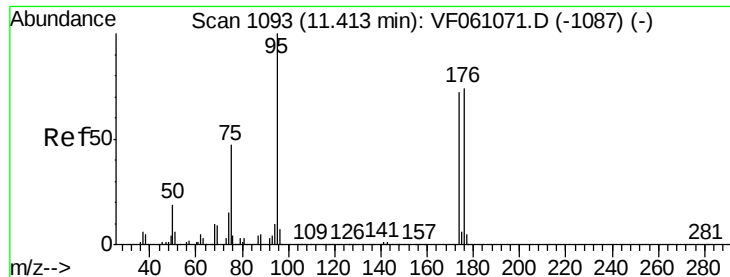
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.50

Time-->





#62

4-Bromofluorobenzene

Concen: 47.042 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

S72-0058

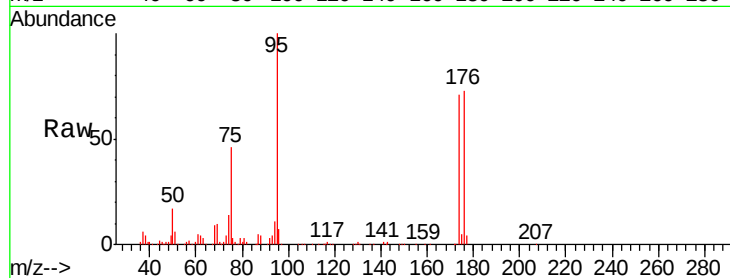
Tgt Ion: 95 Resp: 198100

Ion Ratio Lower Upper

95 100

174 71.1 0.0 143.8

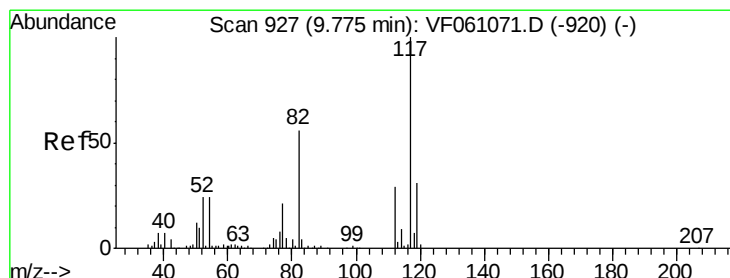
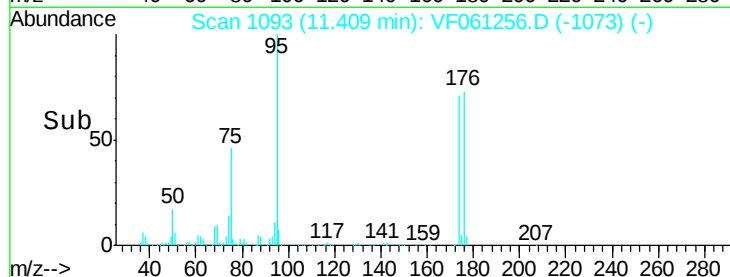
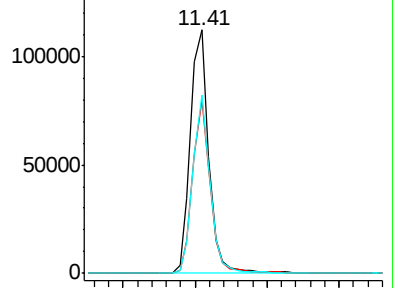
176 73.1 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF061071.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061071.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061071.D (-1087) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.00 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

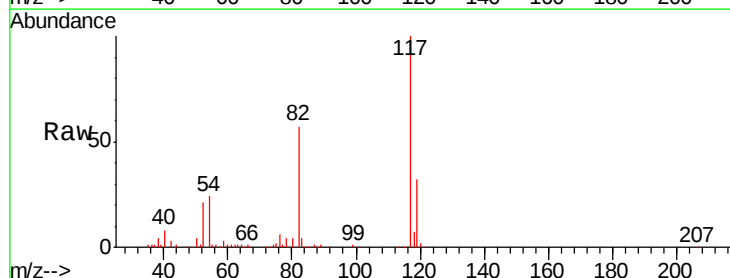
Tgt Ion: 117 Resp: 376505

Ion Ratio Lower Upper

117 100

82 56.9 45.0 67.4

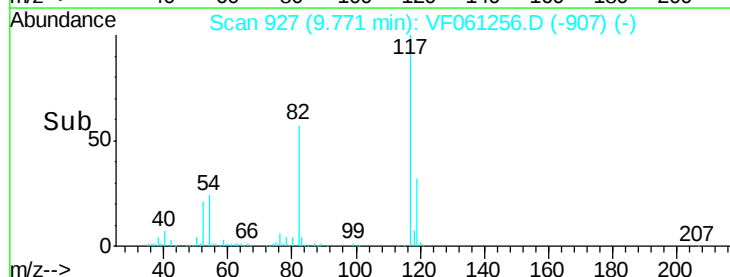
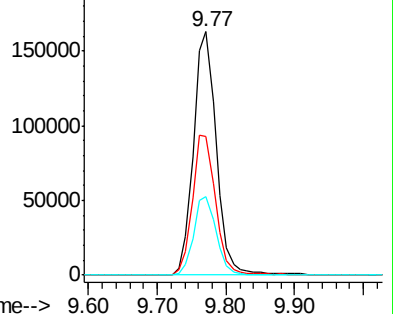
119 32.0 24.8 37.2

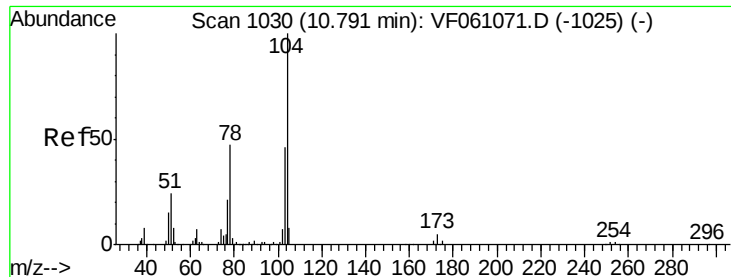


Abundance Ion 117.00 (116.70 to 117.70): VF061071.D (-920) (-)

Ion 82.00 (81.70 to 82.70): VF061071.D (-920) (-)

Ion 119.00 (118.70 to 119.70): VF061071.D (-920) (-)





#70

Styrene

Concen: Below Cal

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

Instrument :

MSVOA_F

ClientSampleId :

S72-0058

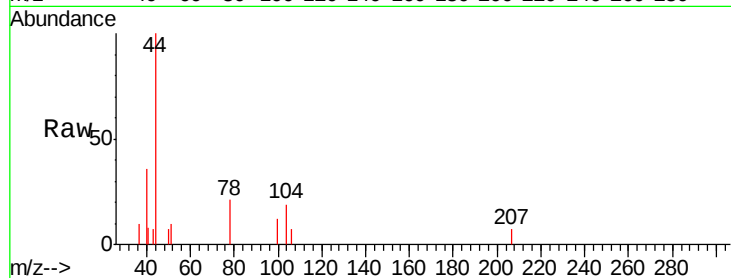
Tgt Ion:104 Resp: 541

Ion Ratio Lower Upper

104 100

78 113.9 38.4 57.6#

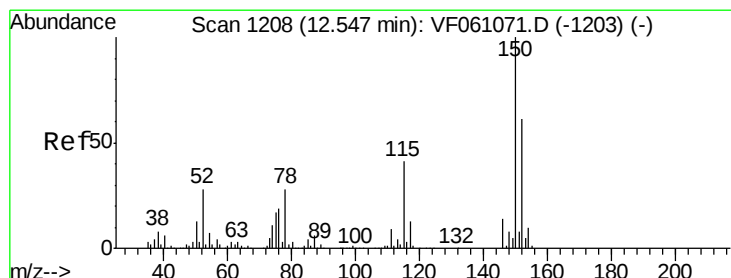
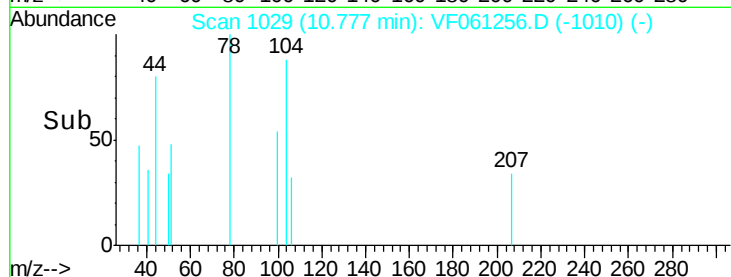
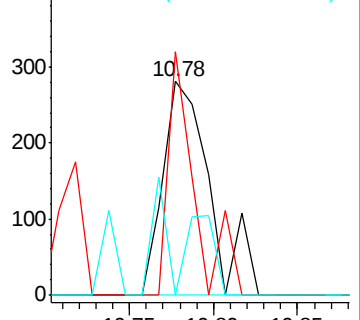
103 0.0 37.0 55.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061256.D

Acq: 2 Jan 2019 16:06

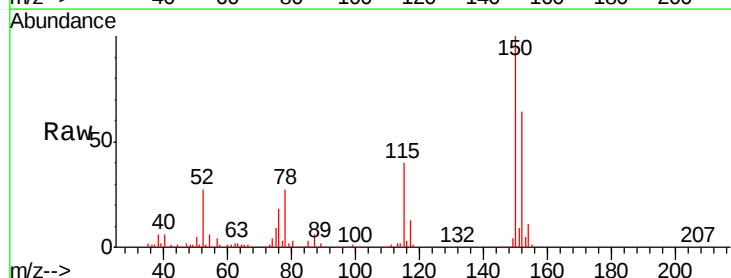
Tgt Ion:152 Resp: 201949

Ion Ratio Lower Upper

152 100

115 61.8 33.3 99.9

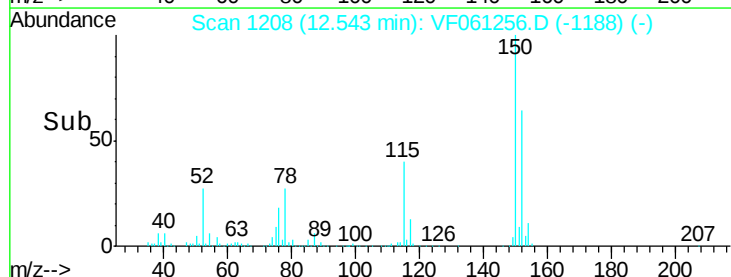
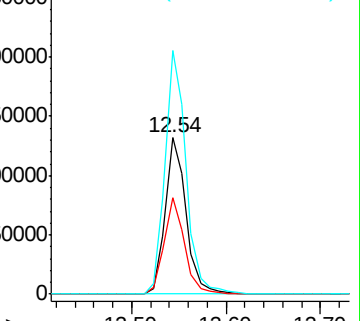
150 155.8 0.0 328.2

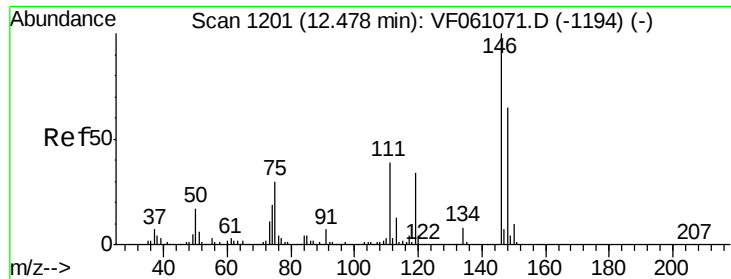


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061256.D
 Acq: 2 Jan 2019 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0058

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.9#
148	40.7	32.4	97.2

