

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122718\
 Data File : VF061214.D
 Acq On : 27 Dec 2018 18:07
 Operator : VA/AP
 Sample : J6473-02
 Misc : 7.15g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0637

Quant Time: Dec 27 23:50:20 2018
 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	4.85	168	203531	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	371017	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	358418	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	192060	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	143176	54.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.38%	
35) Dibromofluoromethane	4.09	113	158849	53.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.90%	
50) Toluene-d8	7.53	98	396020	47.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.40	95	198862	51.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.44%	

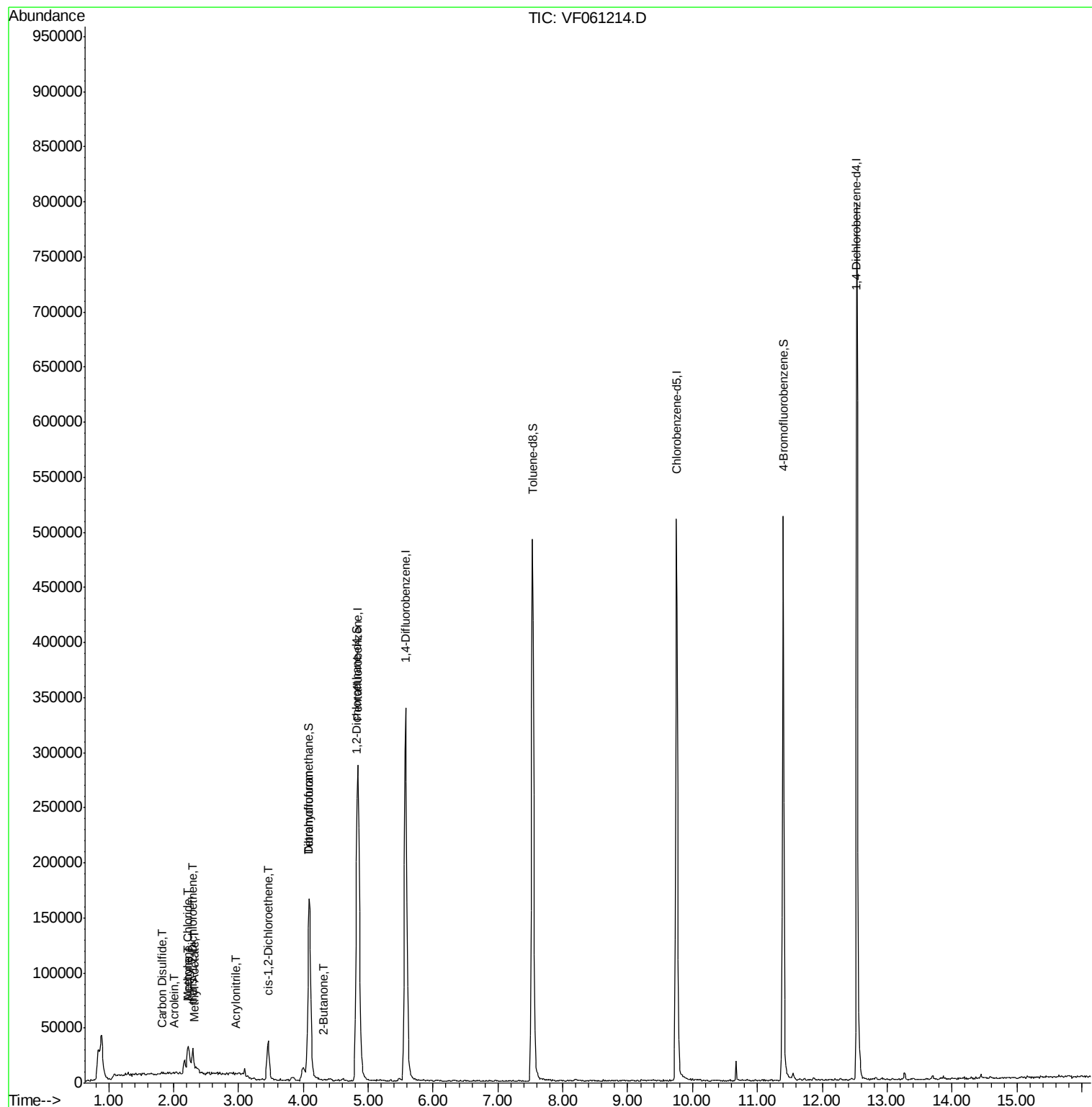
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	696	9.118	ug/l #	70
15) Acrylonitrile	2.95	53	791	3.238	ug/l #	78
16) Acetone	2.22	43	21886	41.822	ug/l #	91
17) Carbon Disulfide	1.82	76	5491	1.013	ug/l #	40
18) Methyl Acetate	2.33	43	3176	2.933	ug/l #	66
20) Methylene Chloride	2.23	84	11749	2.784	ug/l #	74
21) trans-1,2-Dichloroethene	2.29	96	9770	5.091	ug/l	92
25) 2-Butanone	4.32	43	2599	3.062	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	18861	6.420	ug/l	88
29) Tetrahydrofuran	4.09	42	740	2.142	ug/l #	37
70) Styrene	10.78	104	111	Below Cal	#	30
78) n-propylbenzene	11.59	91	846	Below Cal		100
87) 1,3-Dichlorobenzene	12.46	146	498	Below Cal		82

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

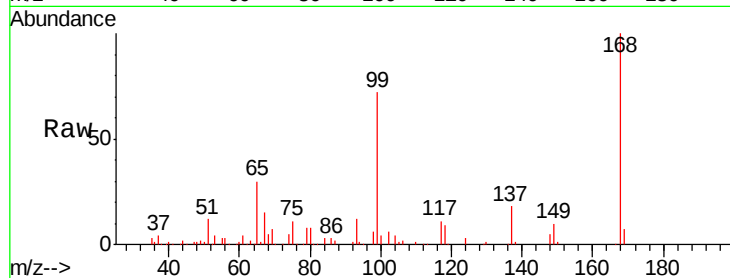
S32-0637

Tgt Ion:168 Resp: 203531

Ion Ratio Lower Upper

168 100

99 71.9 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.85

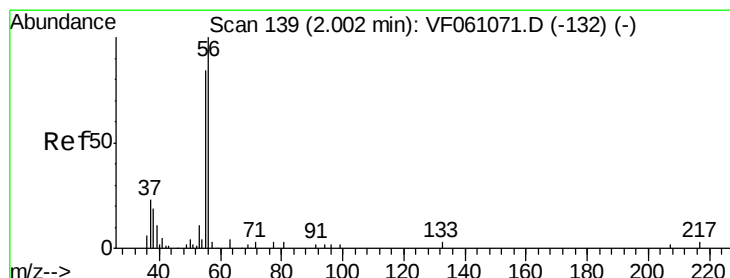
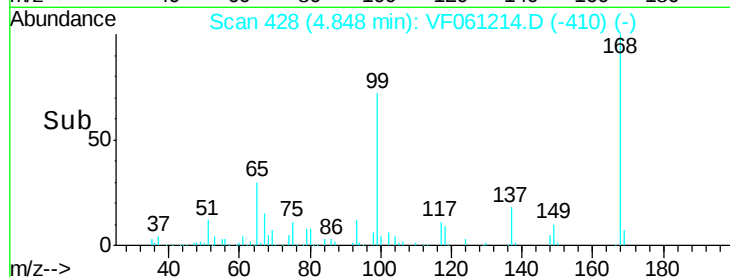
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 9.118 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061214.D

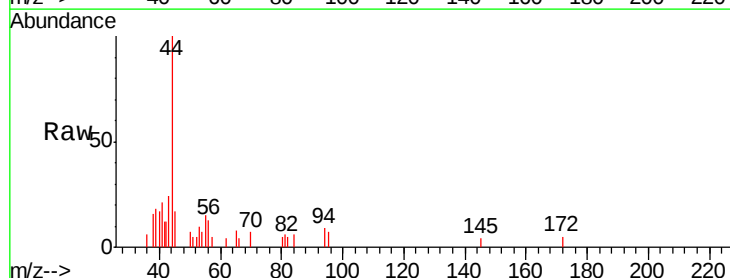
Acq: 27 Dec 2018 18:07

Tgt Ion: 56 Resp: 696

Ion Ratio Lower Upper

56 100

55 115.2 70.2 105.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.00

500

400

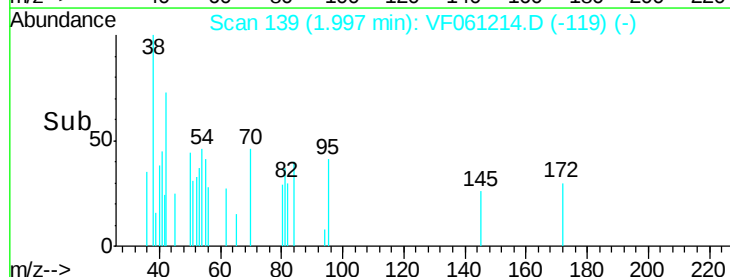
300

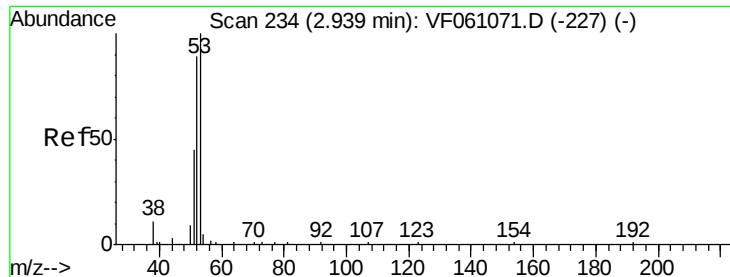
200

100

0

Time-->





#15

Acrylonitrile

Concen: 3.238 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

S32-0637

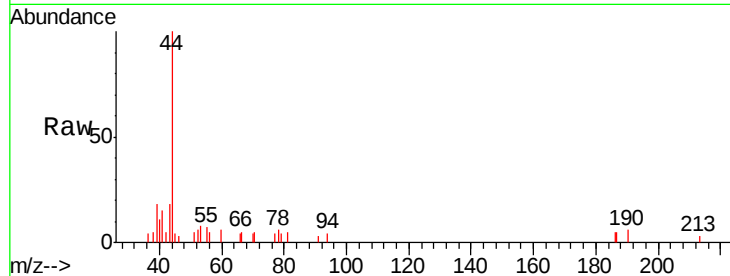
Tgt Ion: 53 Resp: 791

Ion Ratio Lower Upper

53 100

52 71.2 71.3 106.9#

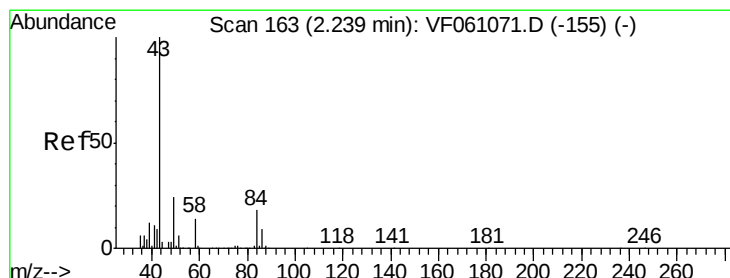
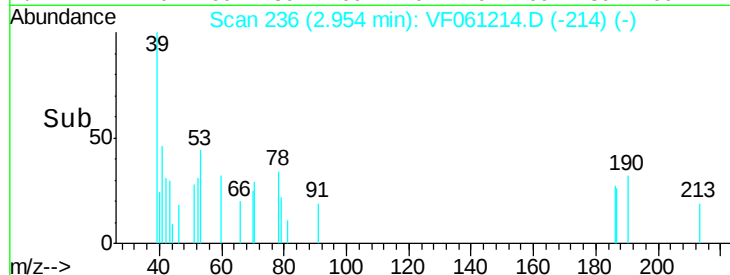
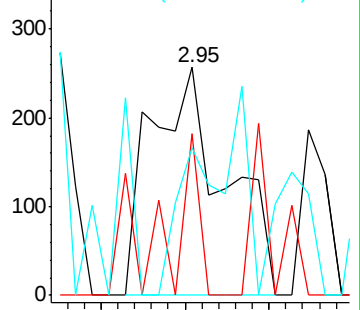
51 65.0 36.8 55.2#



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



#16

Acetone

Concen: 41.822 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061214.D

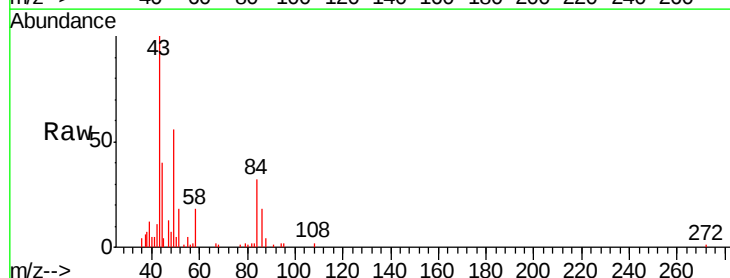
Acq: 27 Dec 2018 18:07

Tgt Ion: 43 Resp: 21886

Ion Ratio Lower Upper

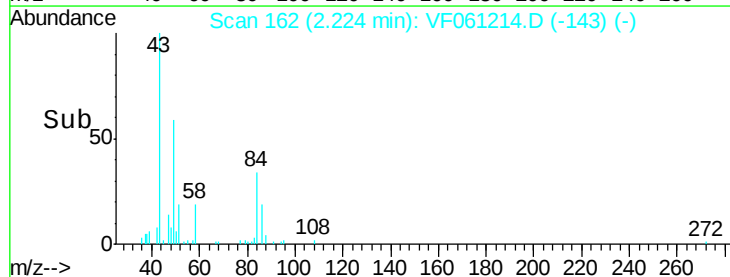
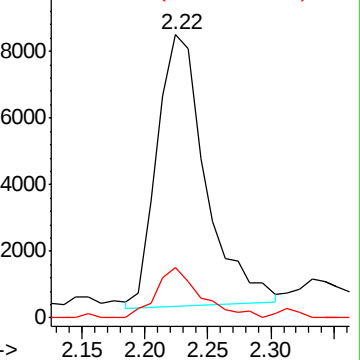
43 100

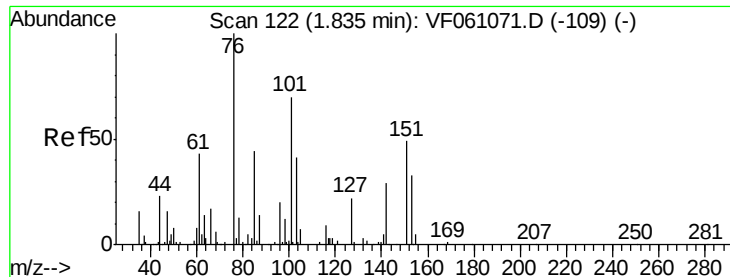
58 17.6 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

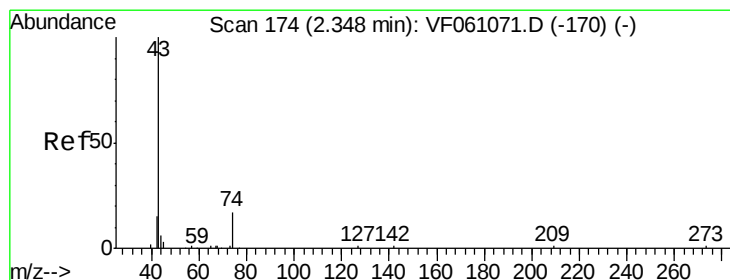
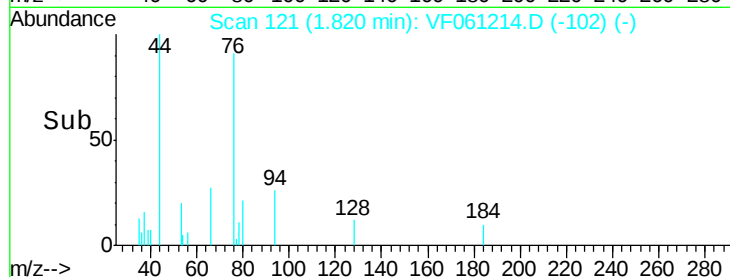
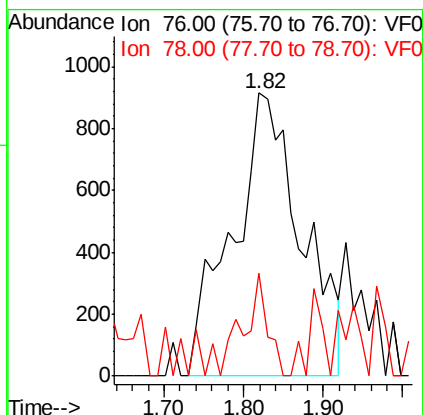
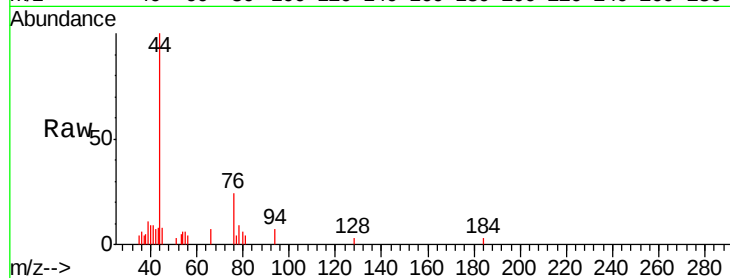




#17
Carbon Disulfide
Concen: 1.013 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

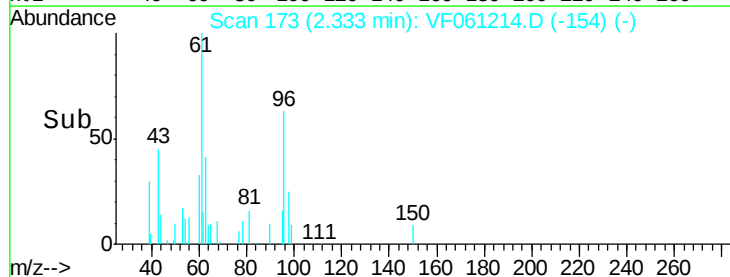
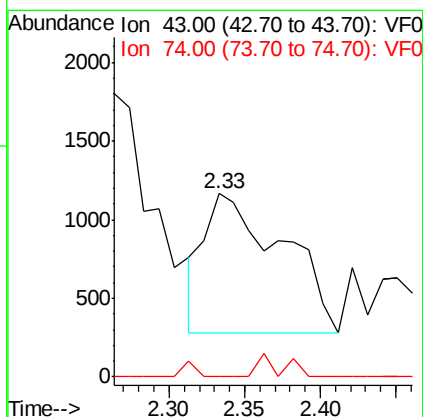
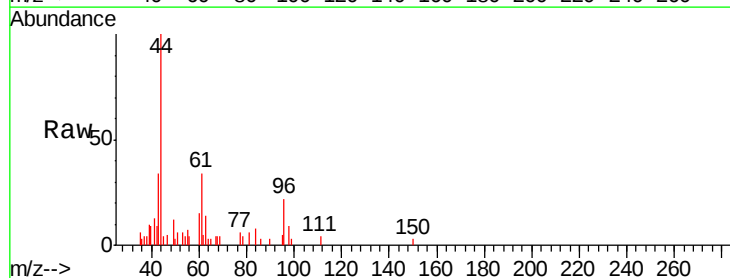
Instrument :
MSVOA_F
ClientSampleId :
S32-0637

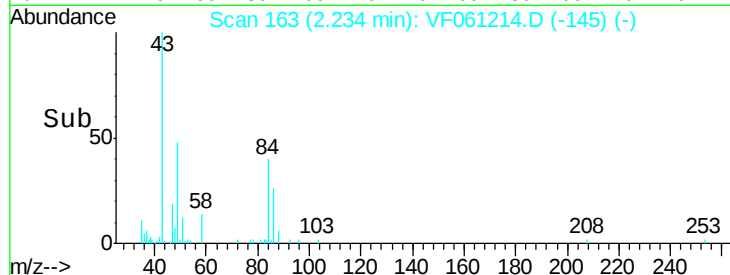
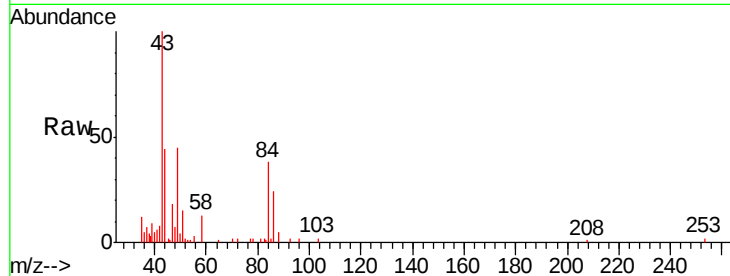
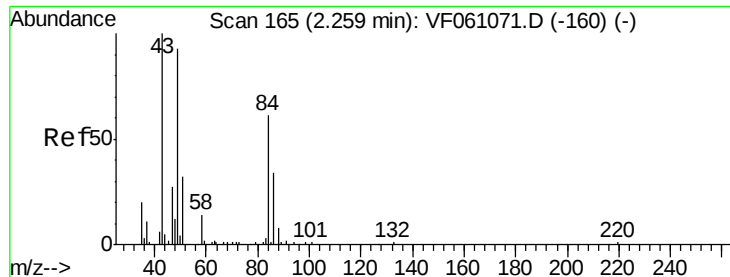
Tgt Ion: 76 Resp: 5491
Ion Ratio Lower Upper
76 100
78 36.5 10.2 15.4#



#18
Methyl Acetate
Concen: 2.933 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Tgt Ion: 43 Resp: 3176
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#

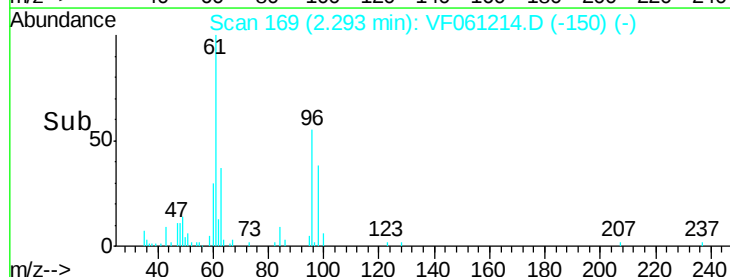
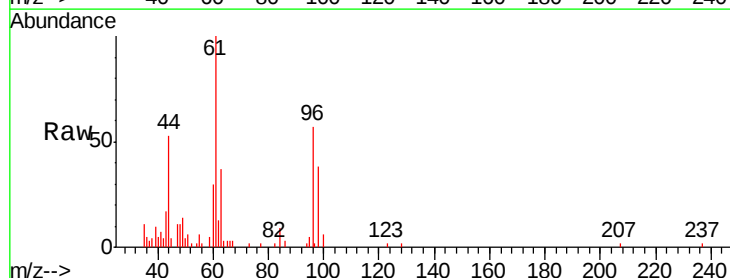
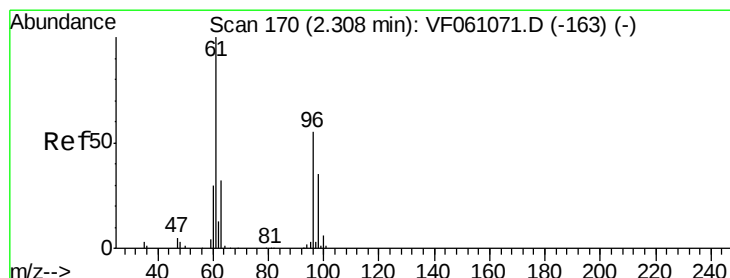
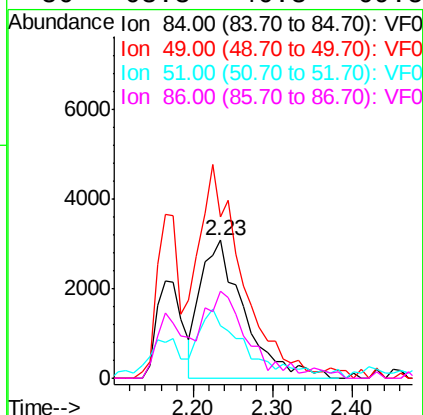




#20
Methylene Chloride
Concen: 2.784 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

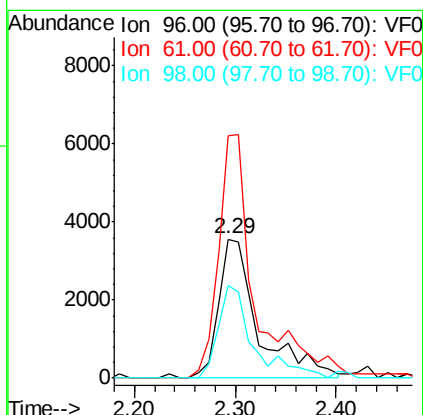
Instrument :
MSVOA_F
ClientSampleId :
S32-0637

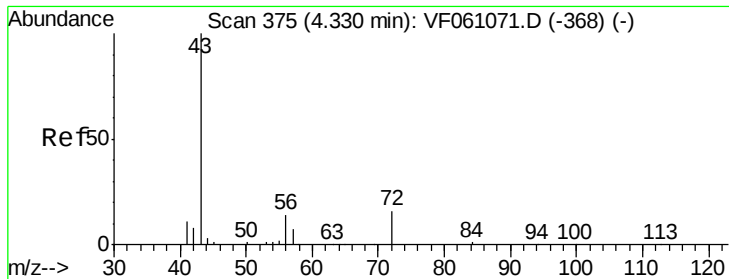
Tgt Ion: 84 Resp: 11749
Ion Ratio Lower Upper
84 100
49 117.5 129.4 194.2#
51 38.3 44.0 66.0#
86 63.3 46.3 69.5



#21
trans-1,2-Dichloroethene
Concen: 5.091 ug/l
RT: 2.29 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Tgt Ion: 96 Resp: 9770
Ion Ratio Lower Upper
96 100
61 167.4 146.0 219.0
98 64.4 51.6 77.4





#25

2-Butanone

Concen: 3.062 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

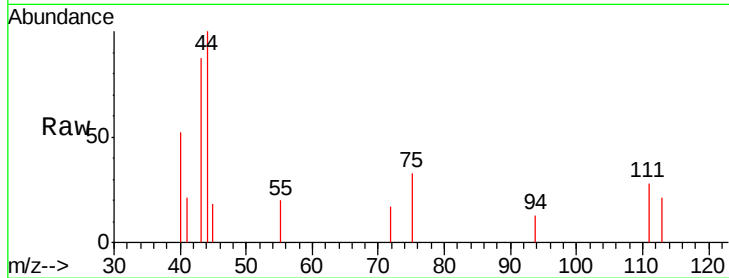
S32-0637

Tgt Ion: 43 Resp: 2599

Ion Ratio Lower Upper

43 100

72 19.8 15.6 23.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.32

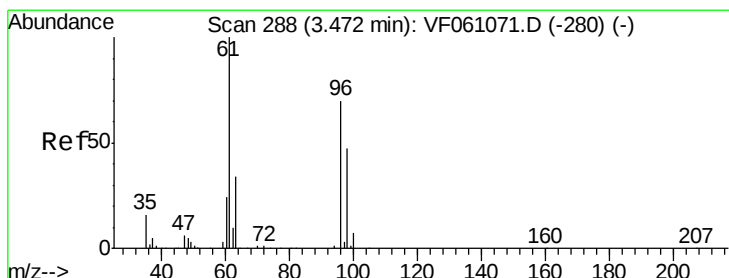
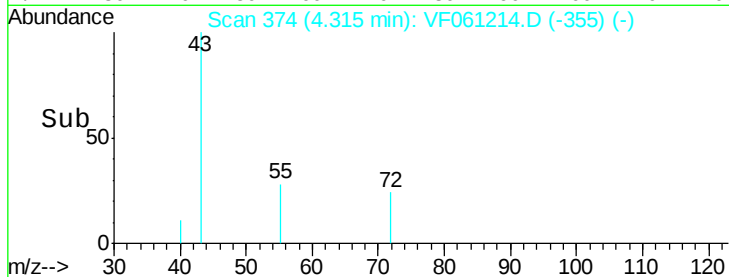
600

400

200

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 6.420 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

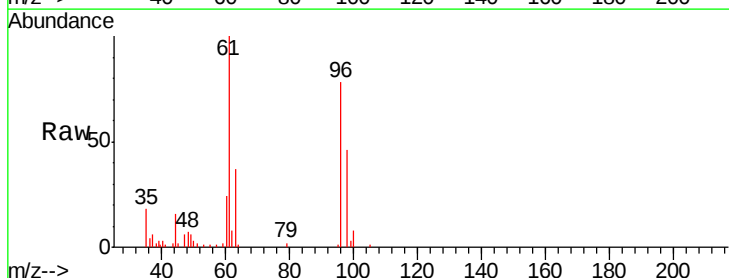
Tgt Ion: 96 Resp: 18861

Ion Ratio Lower Upper

96 100

61 128.7 0.0 287.8

98 59.1 0.0 134.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

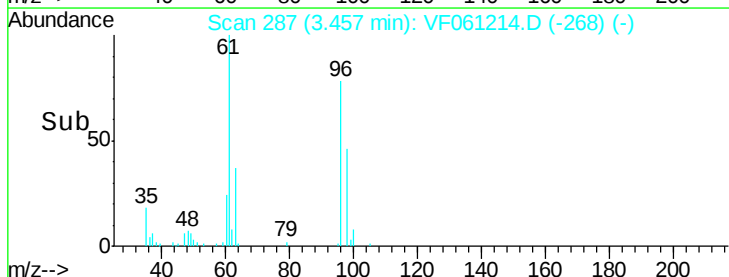
Ion 98.00 (97.70 to 98.70): VF0

10000

5000

0

Time-->

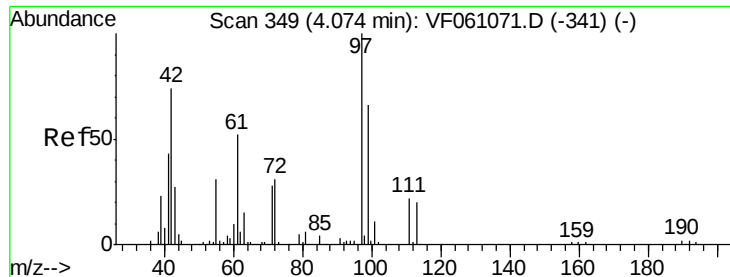


3.46

3.40

3.50

3.60



#29

Tetrahydrofuran

Concen: 2.142 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

S32-0637

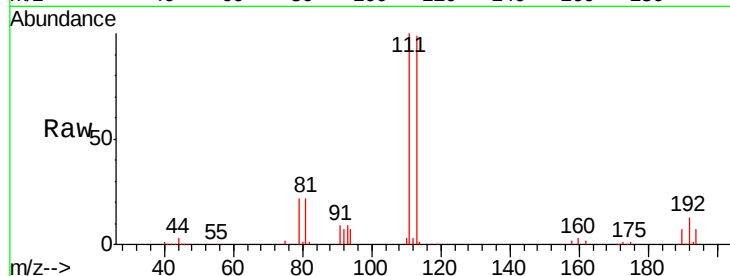
Tgt Ion: 42 Resp: 740

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

71 0.0 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

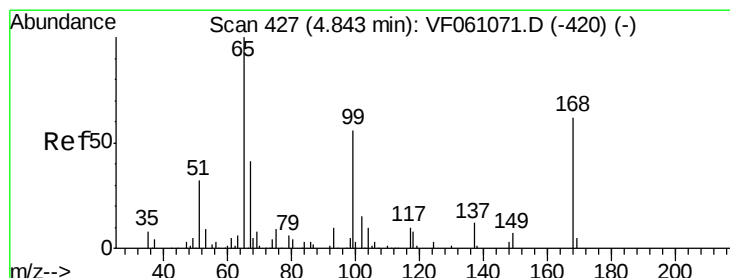
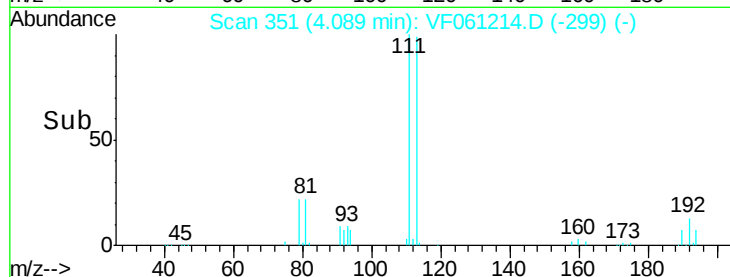
4.09

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.694 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061214.D

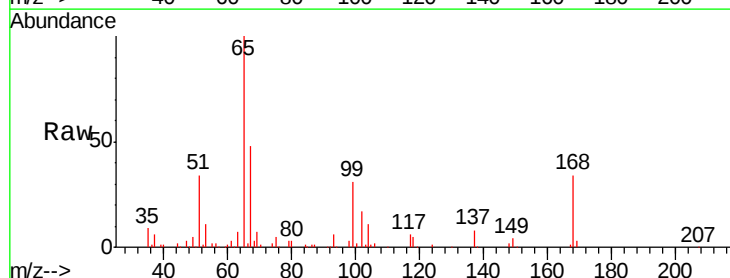
Acq: 27 Dec 2018 18:07

Tgt Ion: 65 Resp: 143176

Ion Ratio Lower Upper

65 100

67 48.2 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.82

50000

40000

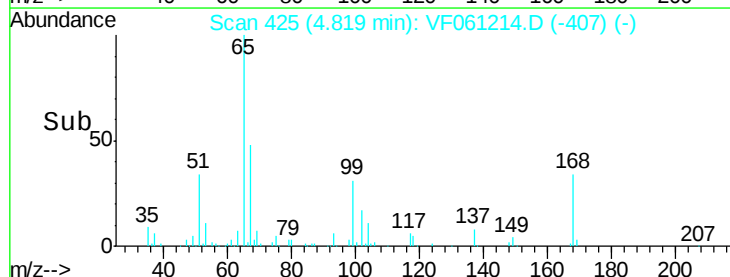
30000

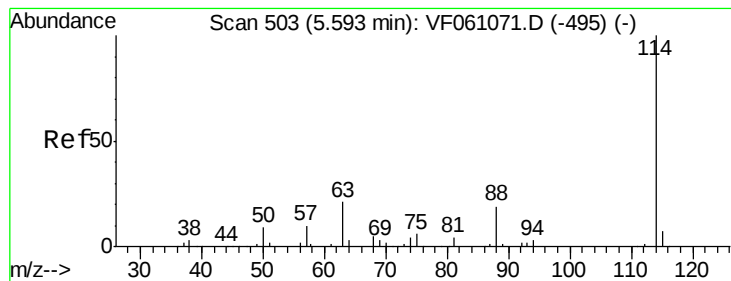
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

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ClientSampleId :

S32-0637

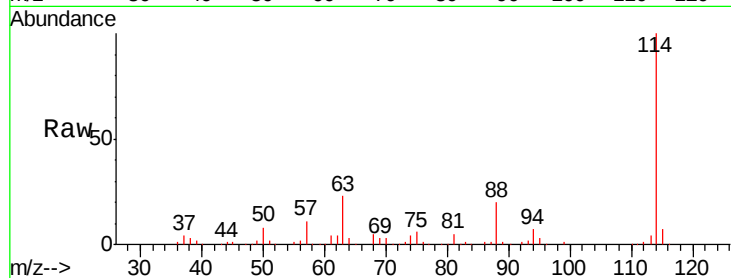
Tgt Ion:114 Resp: 371017

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.6

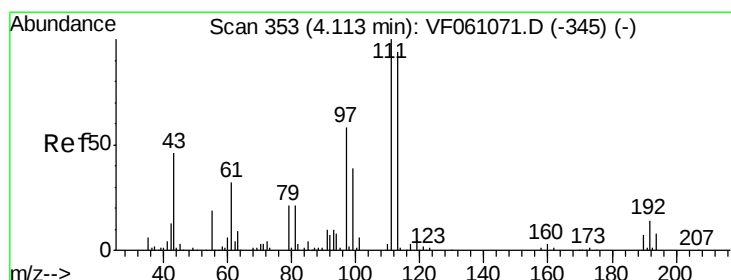
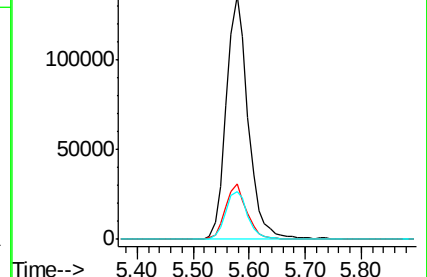
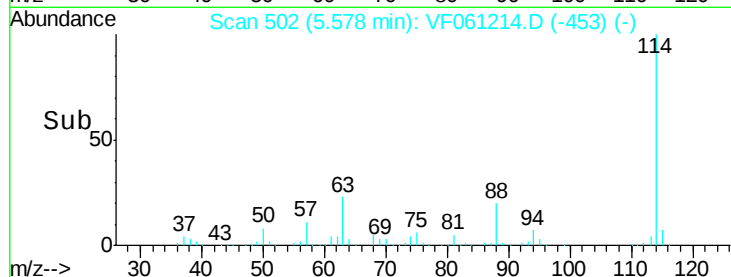
88 19.6 0.0 38.0



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: 53.447 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

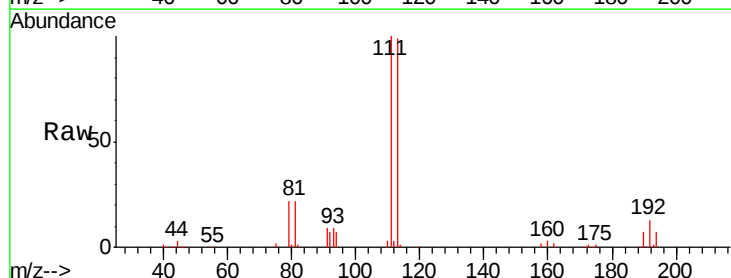
Tgt Ion:113 Resp: 158849

Ion Ratio Lower Upper

113 100

111 101.3 85.2 127.8

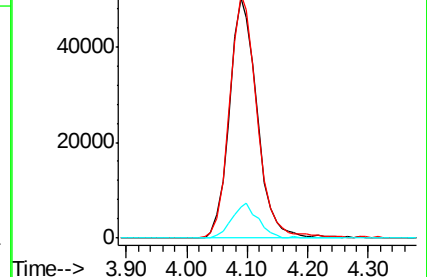
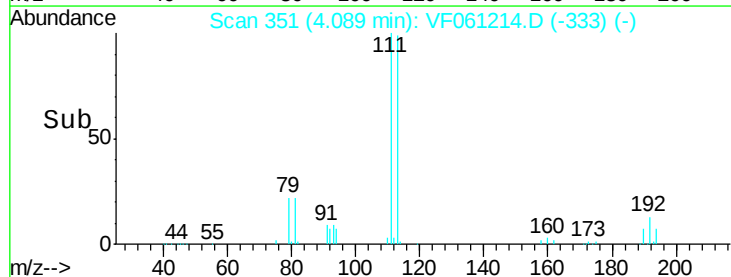
192 13.0 12.8 19.2

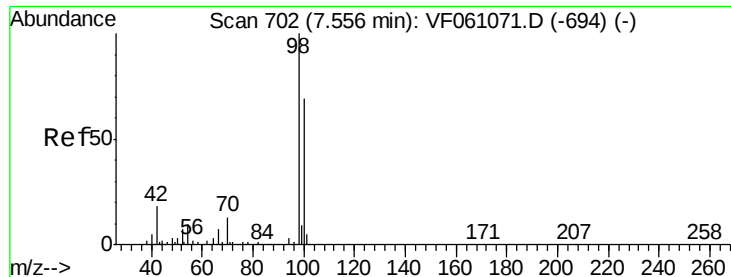


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 47.020 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

Instrument :

MSVOA_F

ClientSampleId :

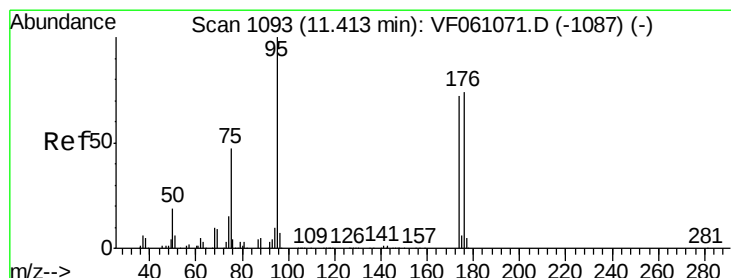
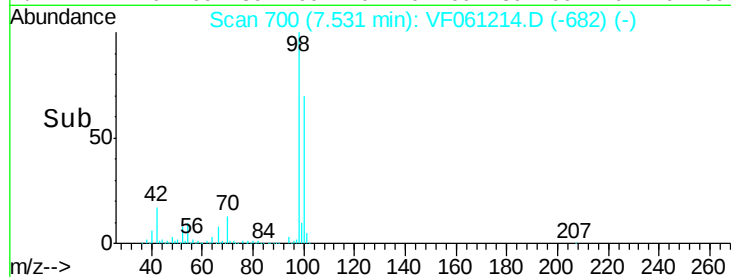
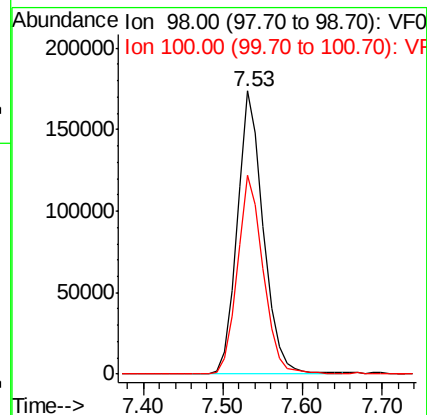
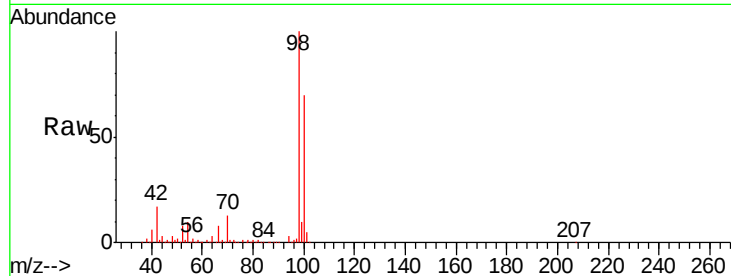
S32-0637

Tgt Ion: 98 Resp: 396020

Ion Ratio Lower Upper

98 100

100 70.4 55.3 82.9



#62

4-Bromofluorobenzene

Concen: 51.215 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061214.D

Acq: 27 Dec 2018 18:07

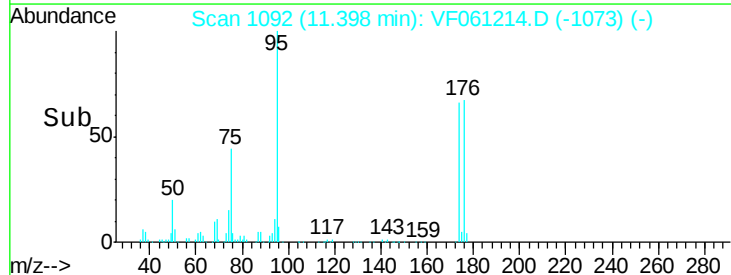
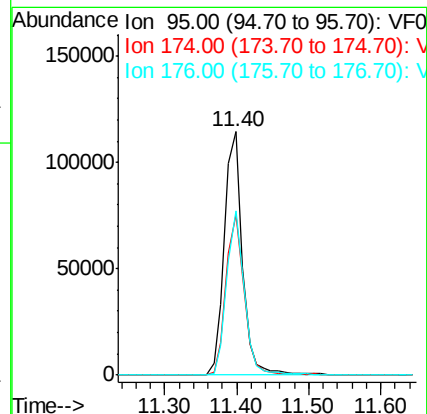
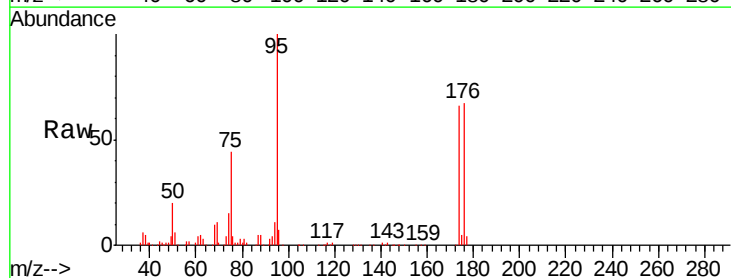
Tgt Ion: 95 Resp: 198862

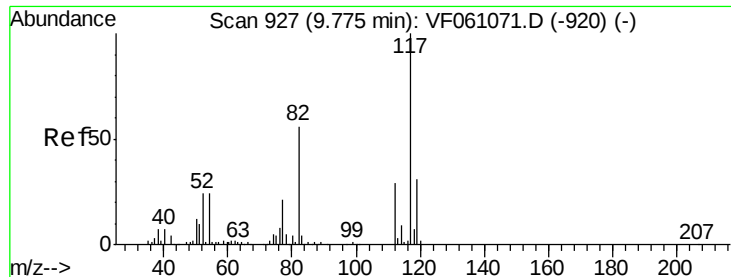
Ion Ratio Lower Upper

95 100

174 65.7 0.0 143.8

176 67.3 0.0 147.6

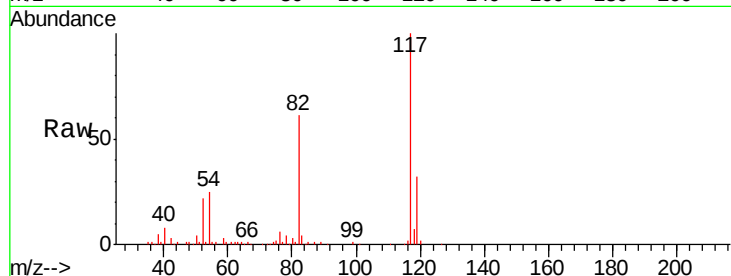




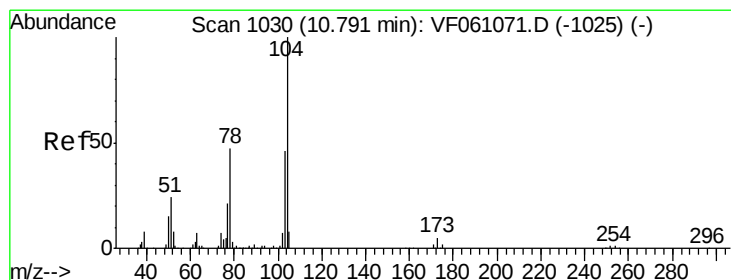
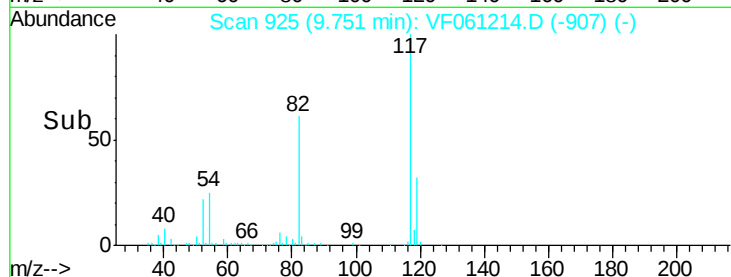
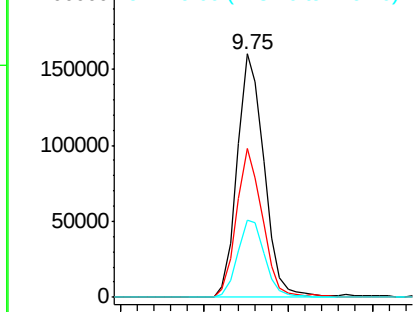
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampleId :
S32-0637

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.1	45.0	67.4
119	31.5	24.8	37.2

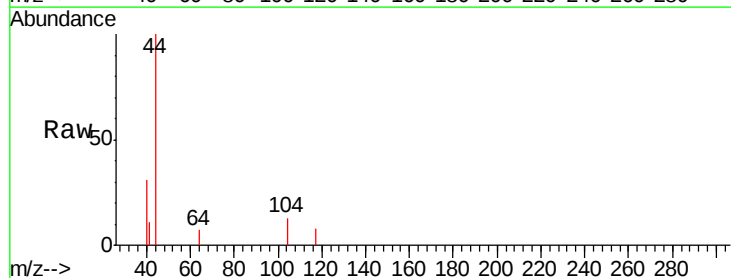


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

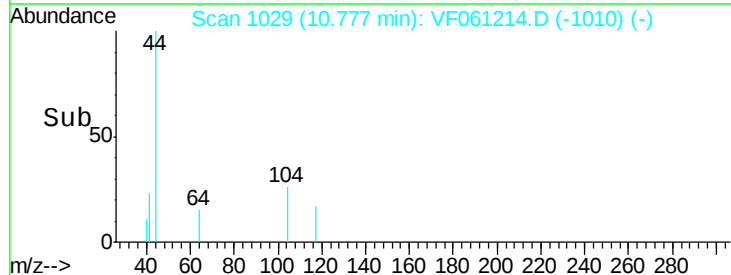
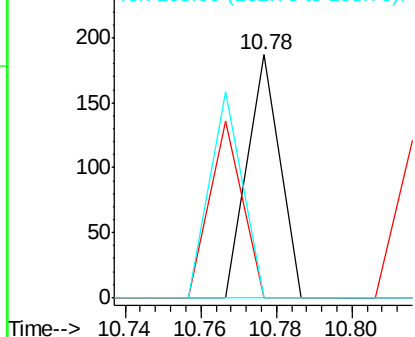


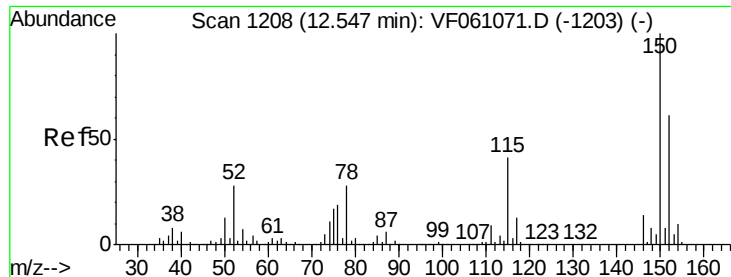
#70
Styrene
Concen: Below Cal
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	0.0	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



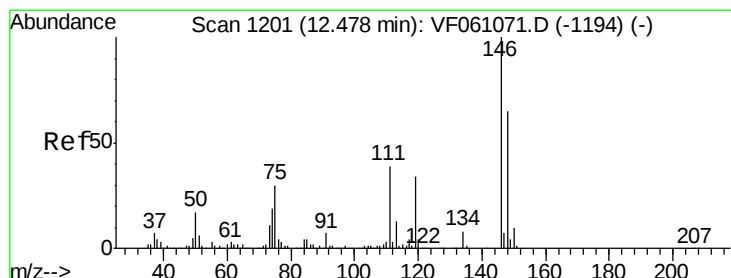
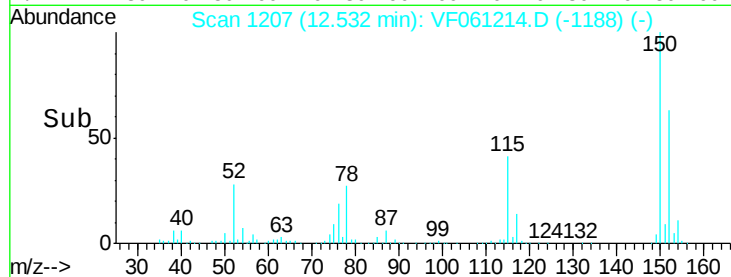
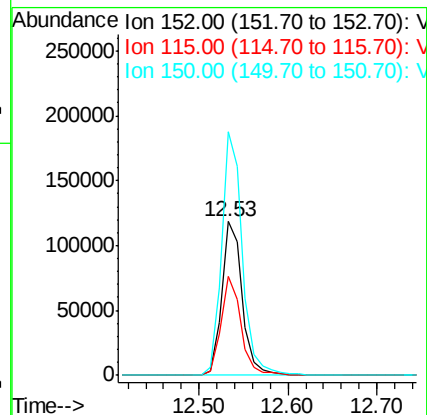
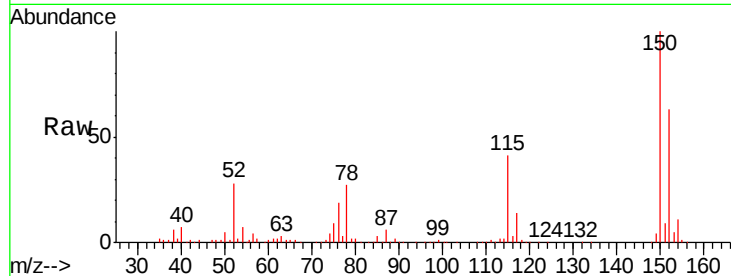


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Instrument :
MSVOA_F
ClientSampled :
S32-0637

Tgt Ion:152 Resp: 192060
Ion Ratio Lower Upper
152 100
115 64.4 33.3 99.9
150 158.4 0.0 328.2



#87

1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.46 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VF061214.D
Acq: 27 Dec 2018 18:07

Tgt Ion:146 Resp: 498
Ion Ratio Lower Upper
146 100
111 32.7 19.3 57.9
148 47.1 32.4 97.2

