

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061694.D
 Acq On : 21 Feb 2019 13:11
 Operator : VA/AP
 Sample : VF0221SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBL01

Quant Time: Feb 22 03:27:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	357522	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	540298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	452917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	272834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	143767	54.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.68%	
35) Dibromofluoromethane	4.12	113	211660	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
50) Toluene-d8	7.56	98	568425	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.41	95	245538	52.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.22%	

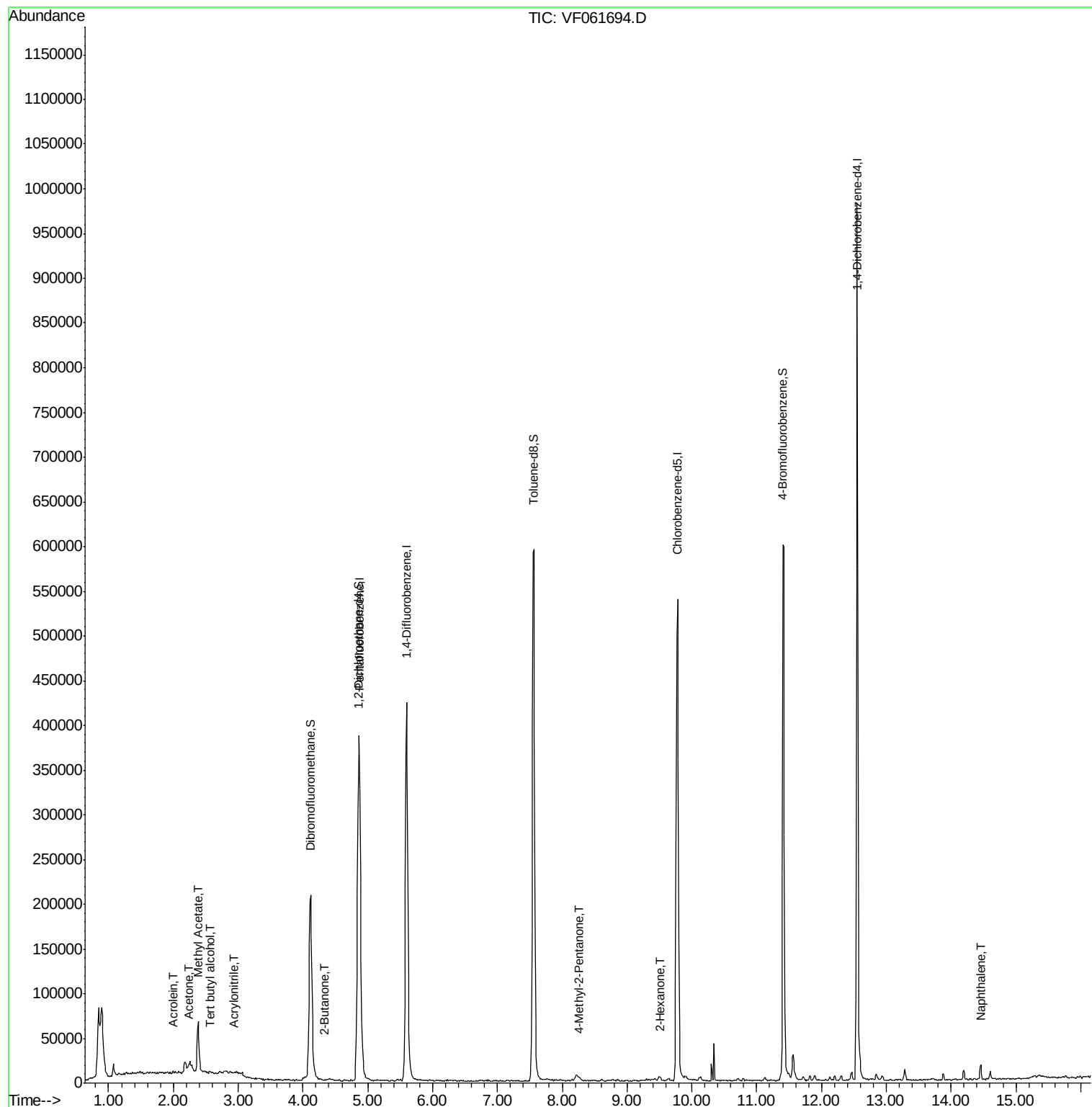
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	504	3.322	ug/l #	63
13) Acrolein	2.01	56	476	2.496	ug/l #	40
15) Acrylonitrile	2.93	53	1398	2.598	ug/l #	54
16) Acetone	2.24	43	1762	3.132	ug/l #	64
18) Methyl Acetate	2.38	43	19943	15.738	ug/l #	59
20) Methylene Chloride	2.18	84	5678	Below Cal	#	86
25) 2-Butanone	4.34	43	1357	1.104	ug/l #	55
51) 4-Methyl-2-Pentanone	8.27	43	3993	1.899	ug/l	90
59) 2-Hexanone	9.50	43	5548	3.764	ug/l	85
95) Naphthalene	14.46	128	13023	1.167	ug/l	96

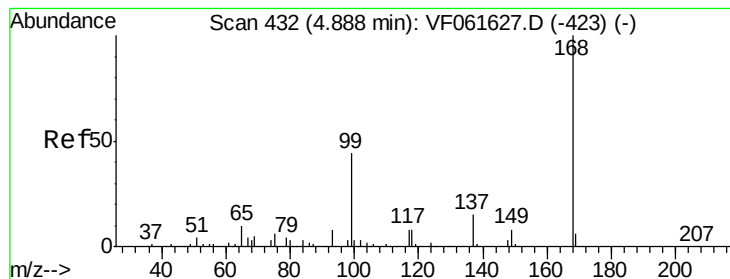
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022119\
Data File : VF061694.D
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Operator : VA/AP
Sample : VF0221SBL01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBL01

Quant Time: Feb 22 03:27:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

Instrument :

MSVOA_F

ClientSampleId :

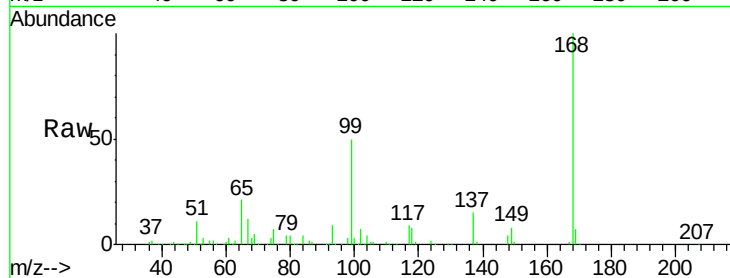
VF0221SBL01

Tot Ion:168 Resp: 357522

Ion Ratio Lower Upper

168 100

99 50.5 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

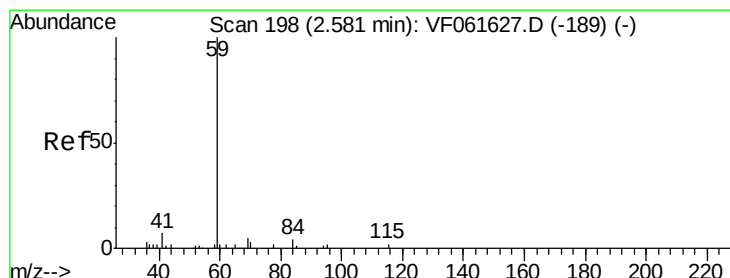
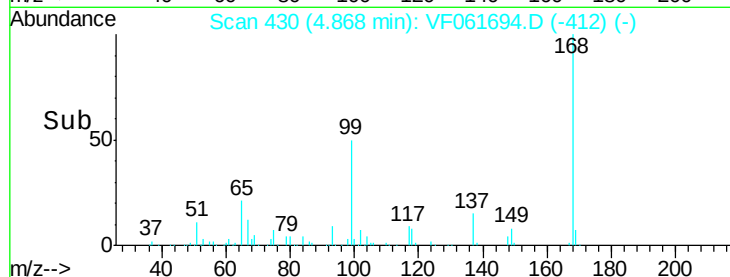
4.87

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.322 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061694.D

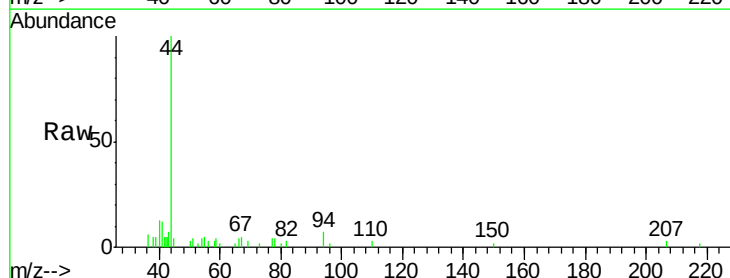
Acq: 21 Feb 2019 13:11

Tgt Ion: 59 Resp: 504

Ion Ratio Lower Upper

59 100

57 0.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

400

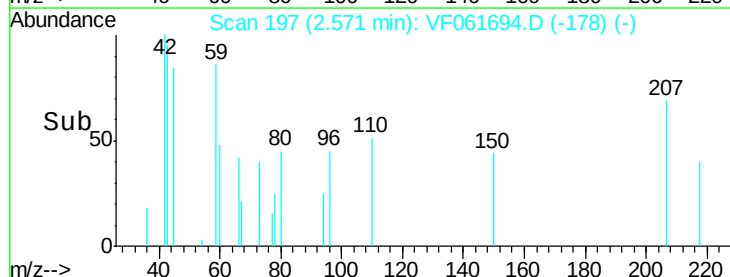
300

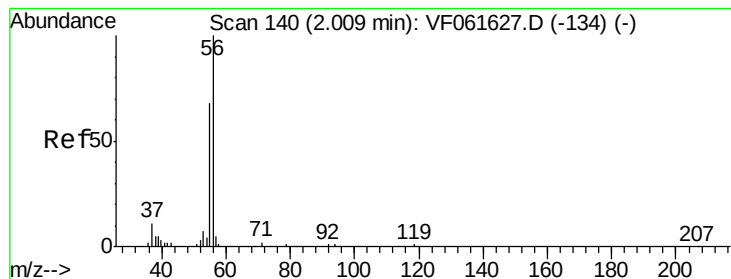
200

100

0

Time-->





#13

Acrolein

Concen: 2.496 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

Instrument :

MSVOA_F

ClientSampleId :

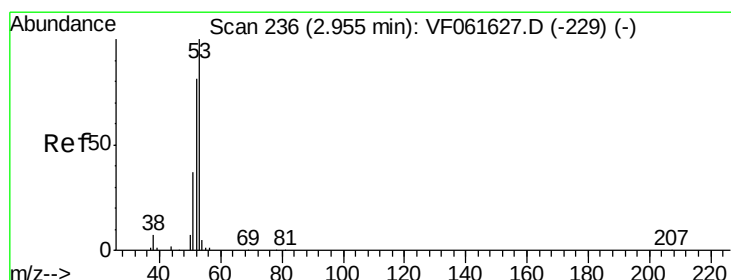
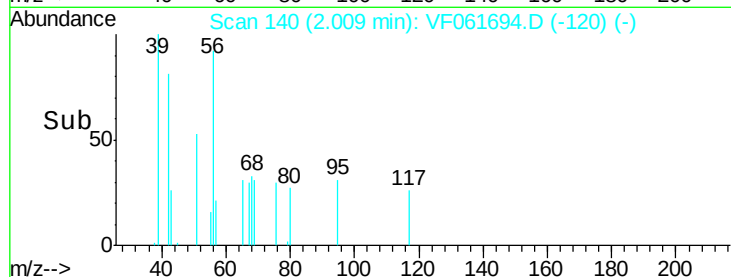
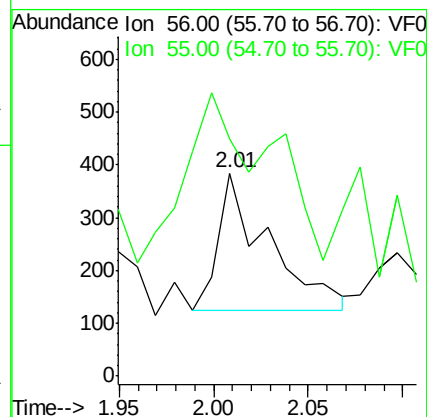
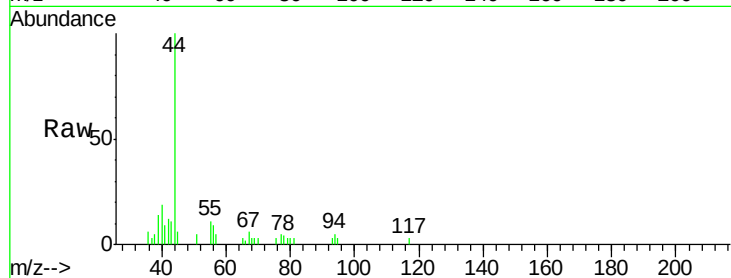
VF0221SBL01

Tot Ion: 56 Resp: 476

Ion Ratio Lower Upper

56 100

55 117.2 55.0 82.6#



#15

Acrylonitrile

Concen: 2.598 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

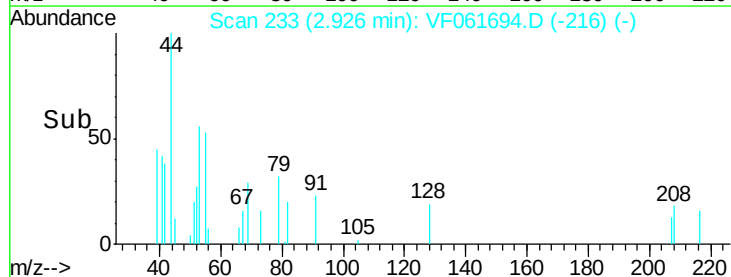
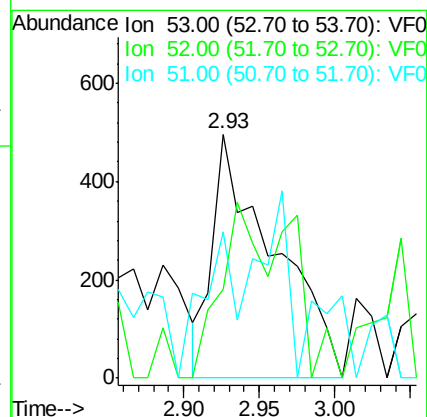
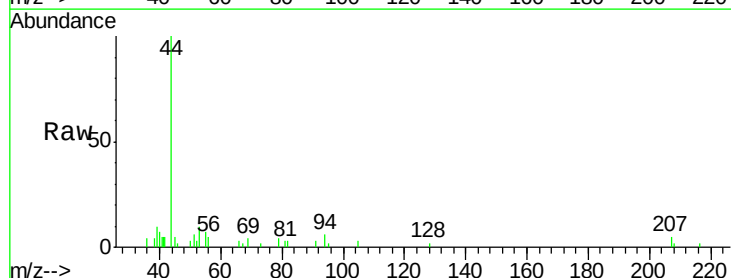
Tgt Ion: 53 Resp: 1398

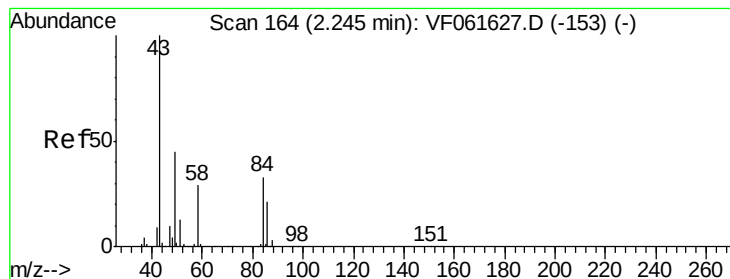
Ion Ratio Lower Upper

53 100

52 36.3 64.6 97.0#

51 60.3 29.8 44.8#





#16

Acetone

Concen: 3.132 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

Instrument :

MSVOA_F

ClientSampleId :

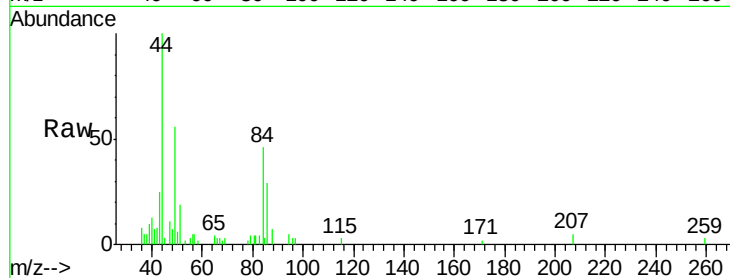
VF0221SBL01

Tot Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

58 9.5 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

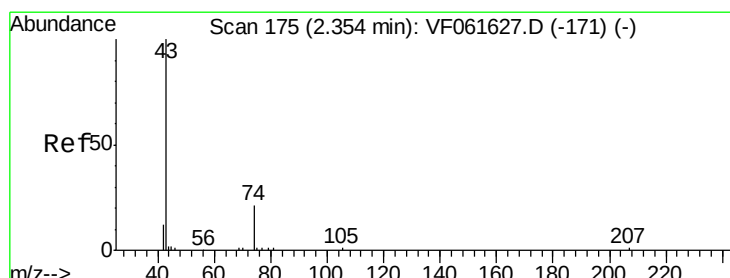
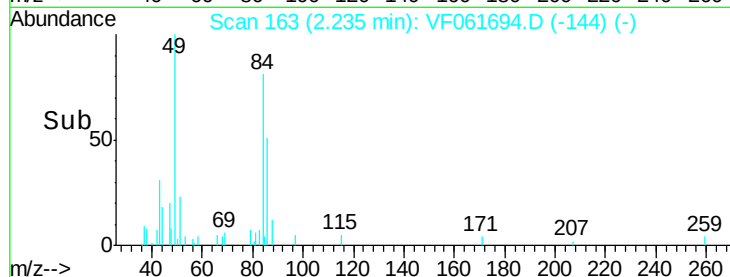
2.24

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 15.738 ug/l

RT: 2.38 min Scan# 178

Delta R.T. 0.03 min

Lab File: VF061694.D

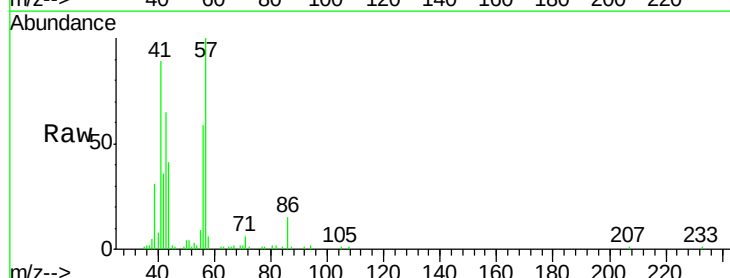
Acq: 21 Feb 2019 13:11

Tgt Ion: 43 Resp: 19943

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

10000

8000

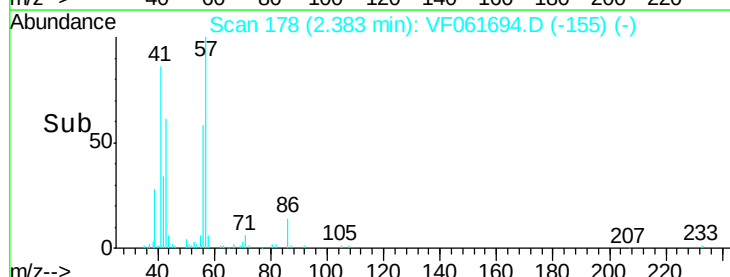
6000

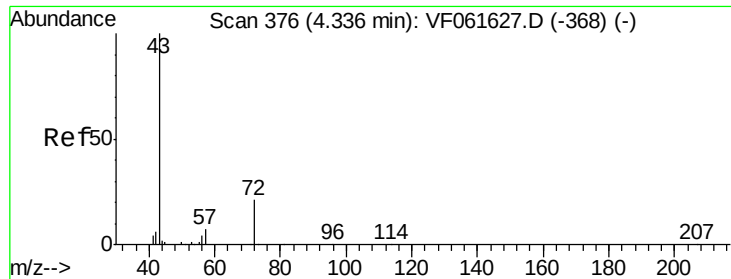
4000

2000

0

Time-->





#25

2-Butanone

Concen: 1.104 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

Instrument :

MSVOA_F

ClientSampleId :

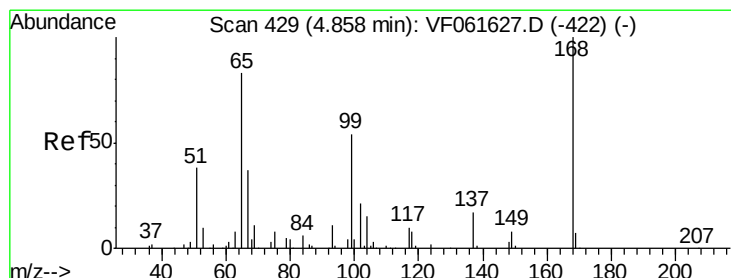
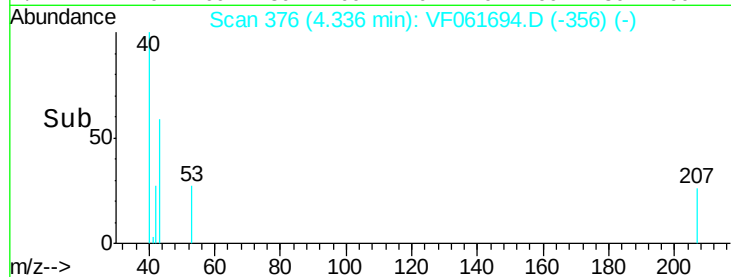
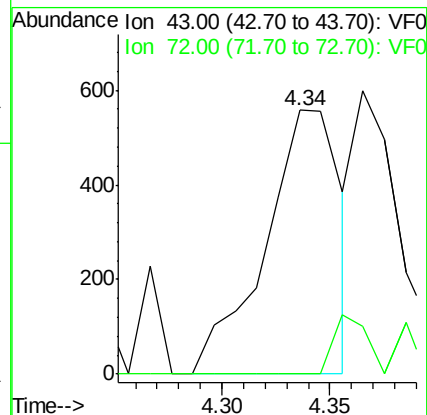
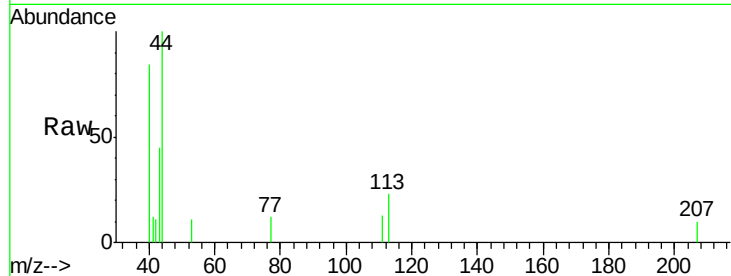
VF0221SBL01

Tot Ion: 43 Resp: 1357

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



#33

1,2-Dichloroethane-d4

Concen: 54.836 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061694.D

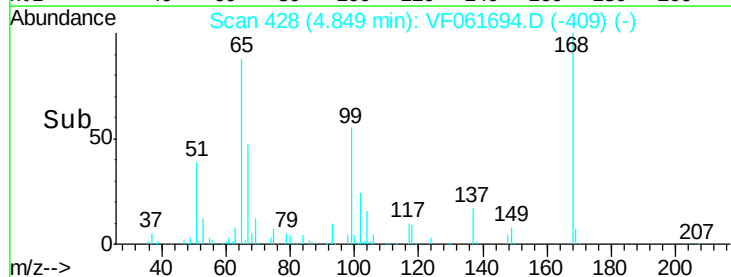
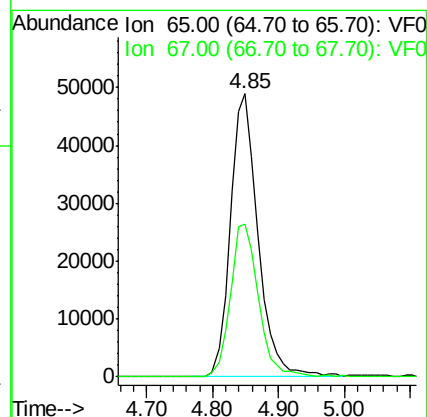
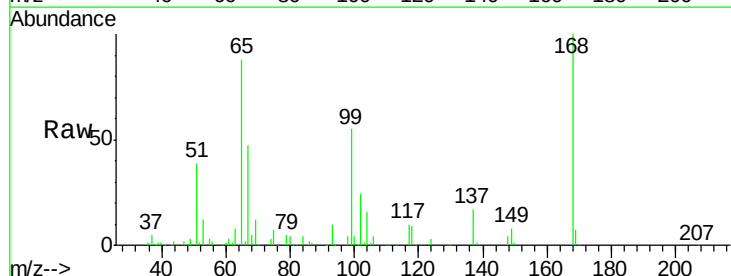
Acq: 21 Feb 2019 13:11

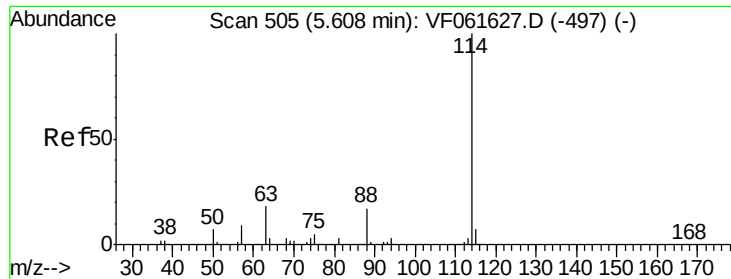
Tgt Ion: 65 Resp: 143767

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

Instrument :

MSVOA_F

ClientSampleId :

VF0221SBL01

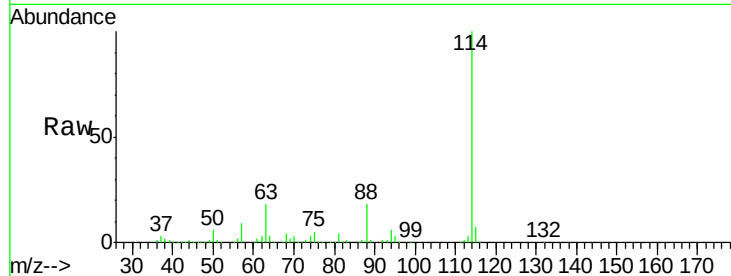
Tot Ion:114 Resp: 540298

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

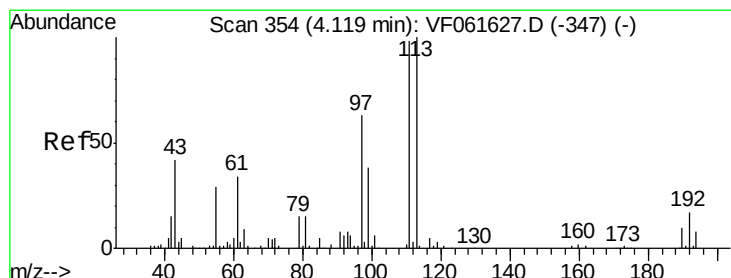
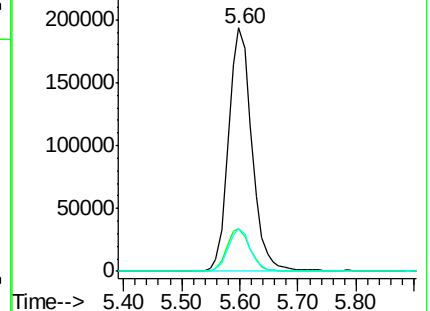
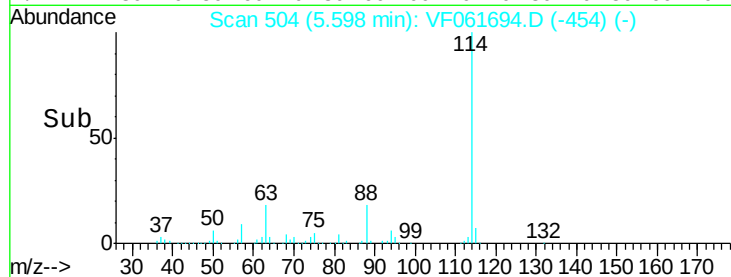
88 17.5 0.0 34.4



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



#35

Dibromofluoromethane

Concen: 52.753 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

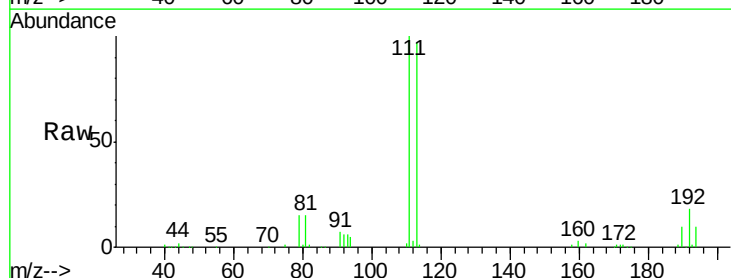
Tgt Ion:113 Resp: 211660

Ion Ratio Lower Upper

113 100

111 103.1 78.8 118.2

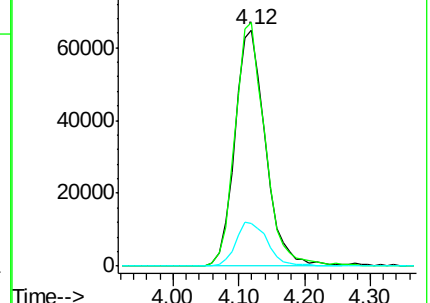
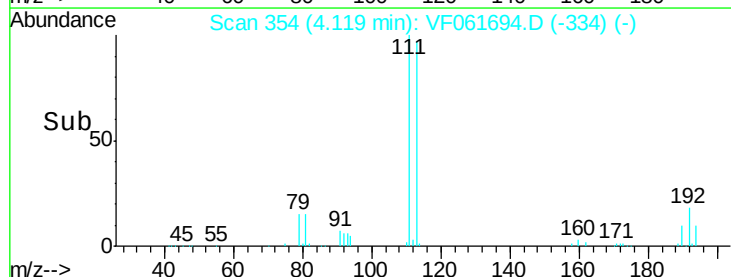
192 18.2 13.4 20.0

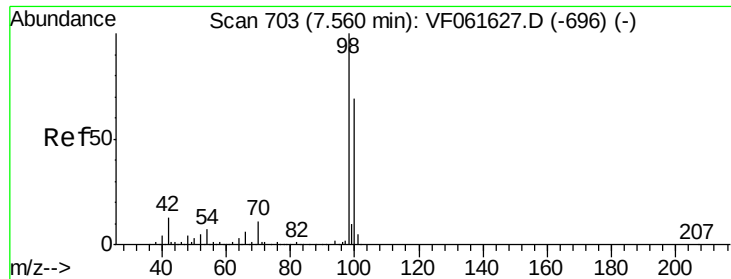


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

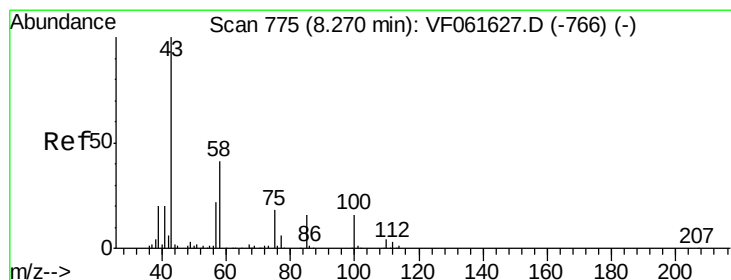
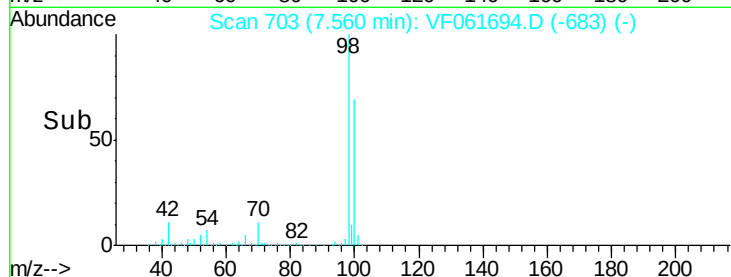
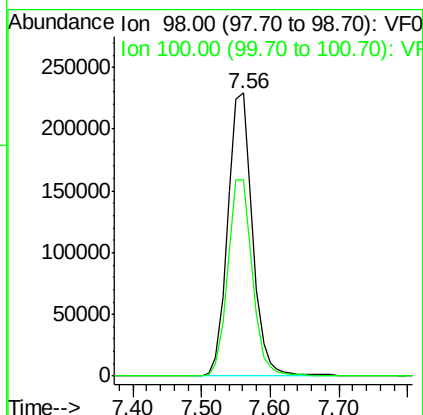
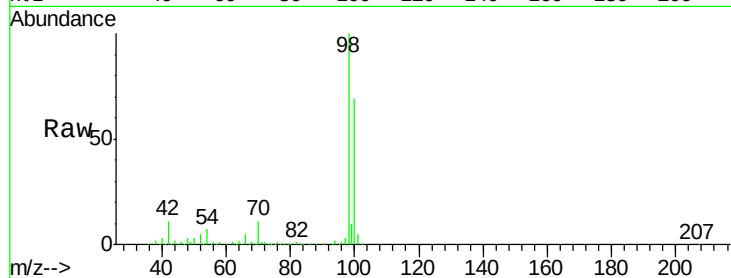




#50
Toluene-d8
Concen: 49.282 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061694.D
Acq: 21 Feb 2019 13:11

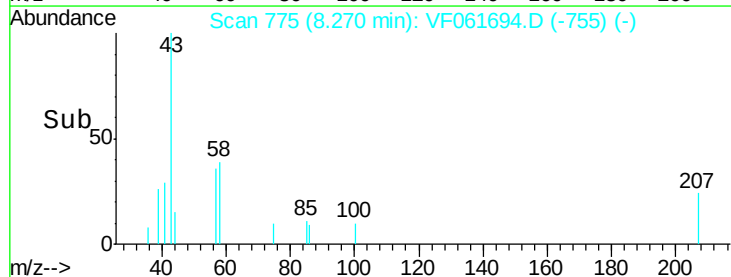
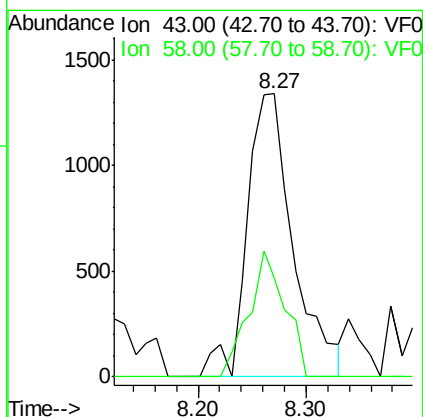
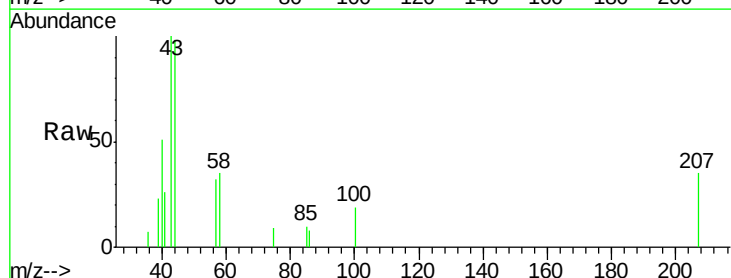
Instrument :
MSVOA_F
ClientSampleId :
VF0221SBL01

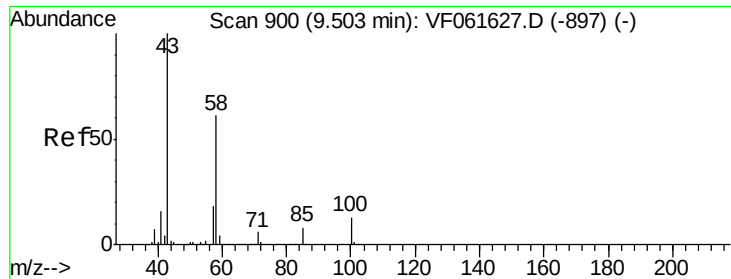
Tot Ion: 98 Resp: 568425
Ion Ratio Lower Upper
98 100
100 69.4 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 1.899 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.00 min
Lab File: VF061694.D
Acq: 21 Feb 2019 13:11

Tgt Ion: 43 Resp: 3993
Ion Ratio Lower Upper
43 100
58 34.9 33.1 49.7





#59

2-Hexanone

Concen: 3.764 ug/l

RT: 9.50 min Scan# 900

Delta R.T. 0.00 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

Instrument :

MSVOA_F

ClientSampleId :

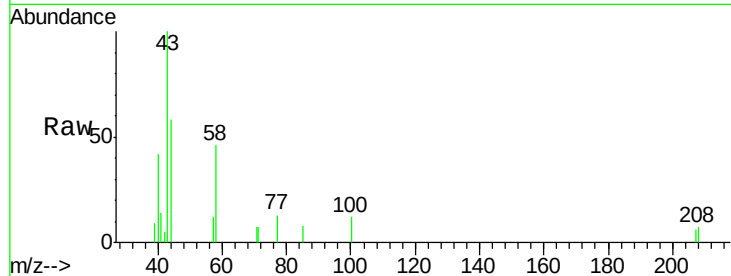
VF0221SBL01

Tot Ion: 43 Resp: 5548

Ion Ratio Lower Upper

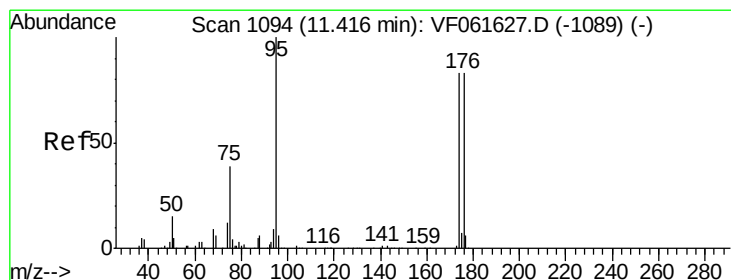
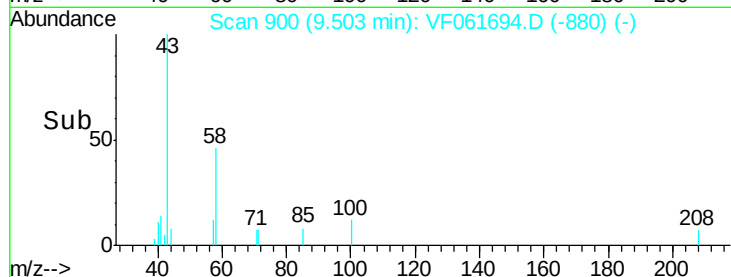
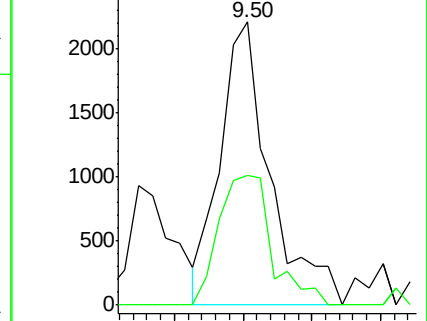
43 100

58 45.7 28.5 85.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 52.612 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061694.D

Acq: 21 Feb 2019 13:11

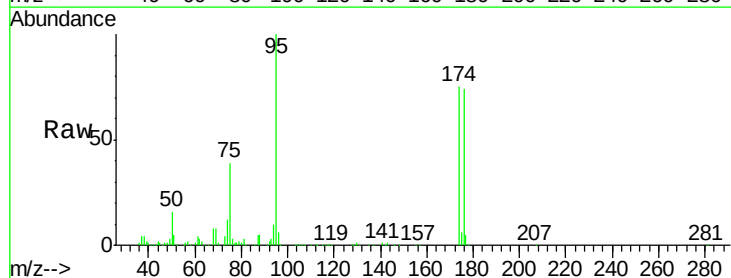
Tgt Ion: 95 Resp: 245538

Ion Ratio Lower Upper

95 100

174 75.3 0.0 165.8

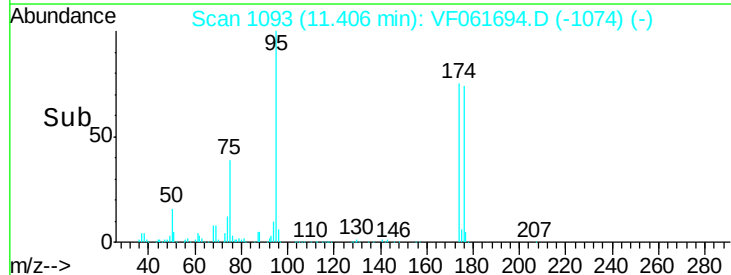
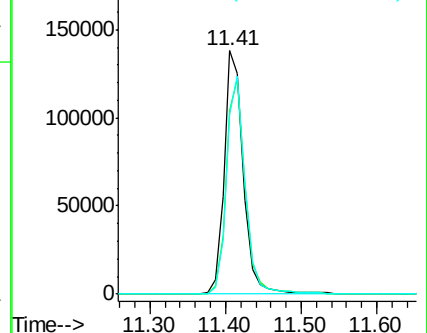
176 73.6 0.0 167.0

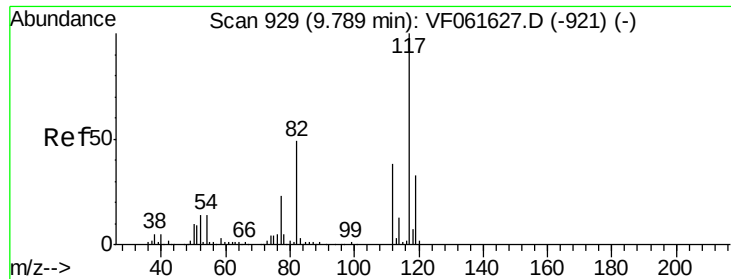


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

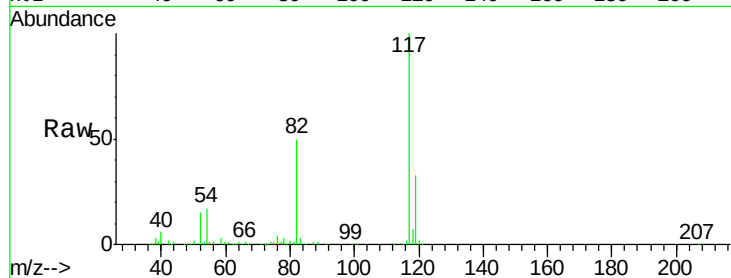




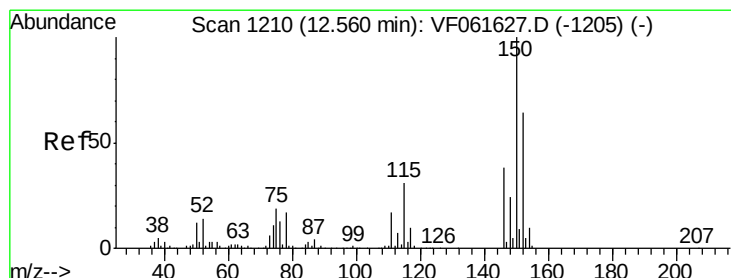
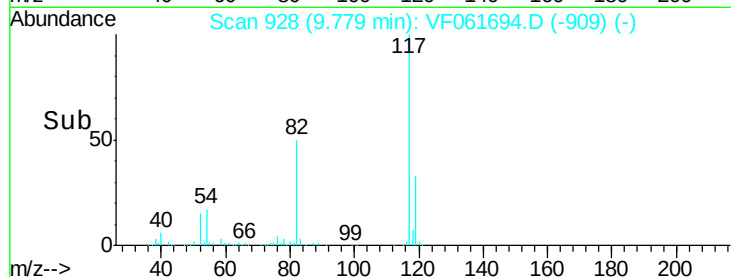
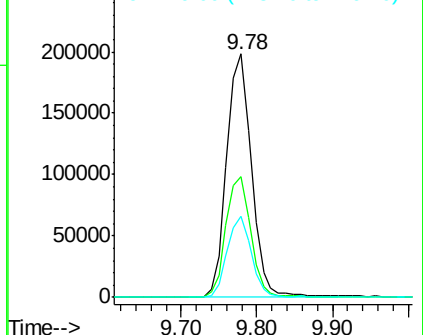
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061694.D
Acq: 21 Feb 2019 13:11

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBL01

Tot Ion:117 Resp: 452917
Ion Ratio Lower Upper
117 100
82 49.7 39.3 58.9
119 33.1 26.6 40.0

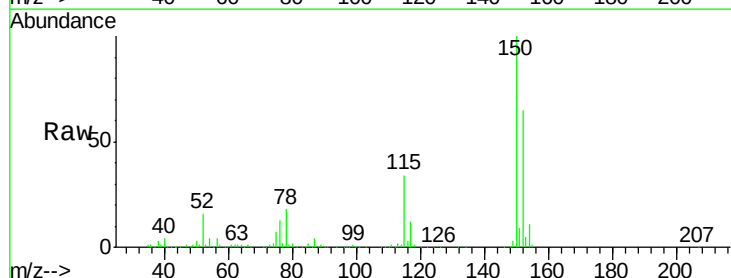


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

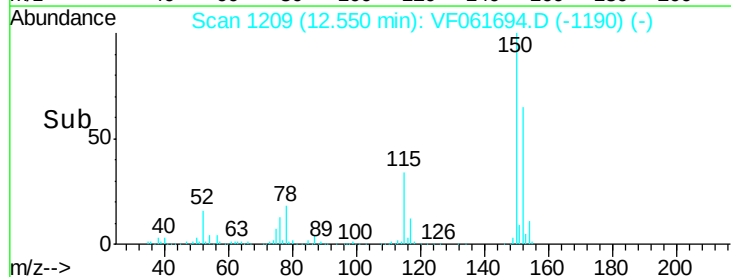
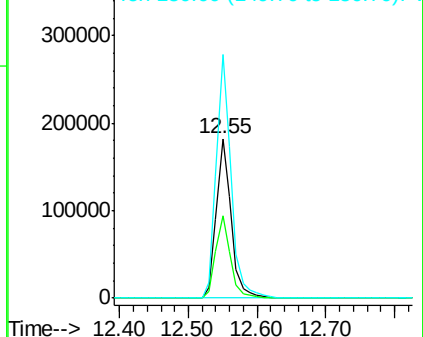


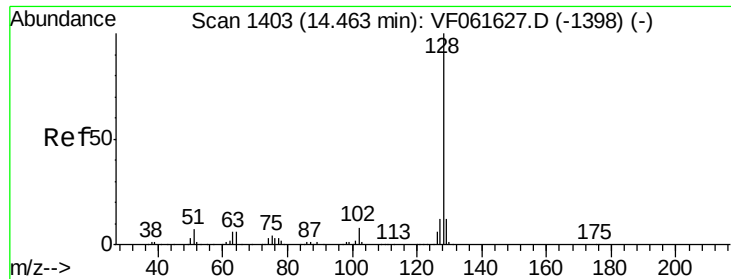
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061694.D
Acq: 21 Feb 2019 13:11

Tgt Ion:152 Resp: 272834
Ion Ratio Lower Upper
152 100
115 52.0 24.3 72.8
150 152.9 0.0 312.0



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

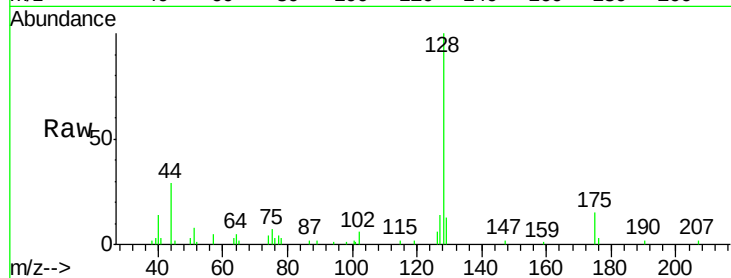




#95
Naphthalene
Concen: 1.167 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF061694.D
Acq: 21 Feb 2019 13:11

Instrument :
MSVOA_F
ClientSampleId :
VF0221SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.8	14.6
129	12.9	9.4	14.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

