

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061535.D
 Acq On : 28 Jan 2019 12:06
 Operator : VA/AP
 Sample : VF0128SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBL01

Quant Time: Jan 29 03:53:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	224317	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	383042	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	331070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	186043	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	126151	45.55	ug/l	-0.02
Spiked Amount			Recovery	=	91.10%	
35) Dibromofluoromethane	4.09	113	145055	47.99	ug/l	-0.02
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	7.53	98	383476	46.31	ug/l	-0.02
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	11.40	95	189827	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	

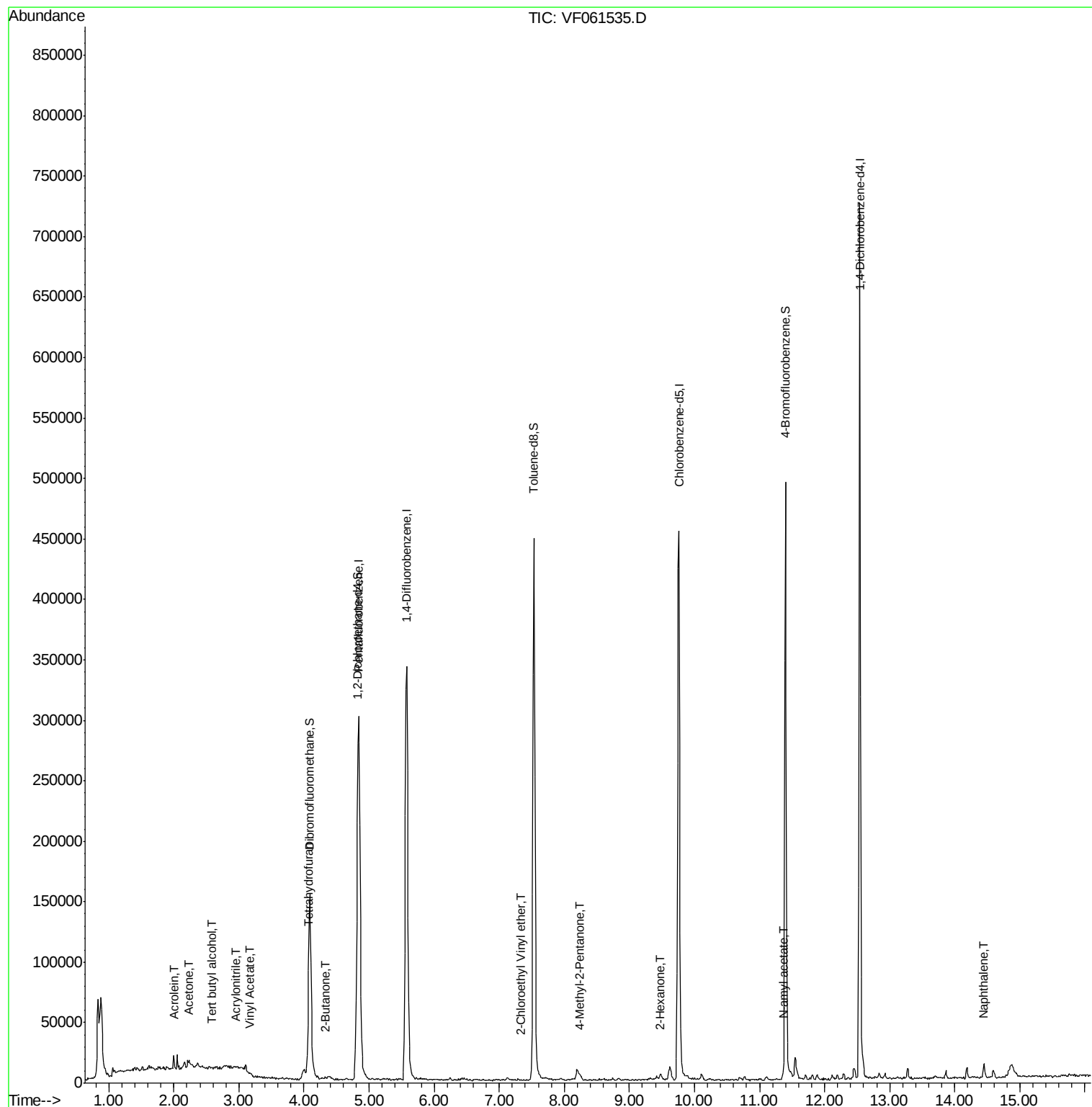
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	438	3.736	ug/l #	1
13) Acrolein	2.02	56	650	16.508	ug/l	97
14) Allyl chloride	2.06	41	953	Below Cal	#	78
15) Acrylonitrile	2.95	53	1670	5.562	ug/l #	51
16) Acetone	2.23	43	3703	6.665	ug/l	99
20) Methylene Chloride	2.17	84	2092	Below Cal	#	63
23) Vinyl Acetate	3.17	43	853	3.463	ug/l #	78
25) 2-Butanone	4.33	43	2134	2.310	ug/l #	57
29) Tetrahydrofuran	4.06	42	552	1.388	ug/l #	65
51) 4-Methyl-2-Pentanone	8.24	43	3599	2.197	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.32	63	60	27.755	ug/l #	47
59) 2-Hexanone	9.47	43	5080	4.447	ug/l	91
74) N-amyl acetate	11.36	43	4492	1.255	ug/l #	95
95) Naphthalene	14.45	128	8506	1.069	ug/l	97

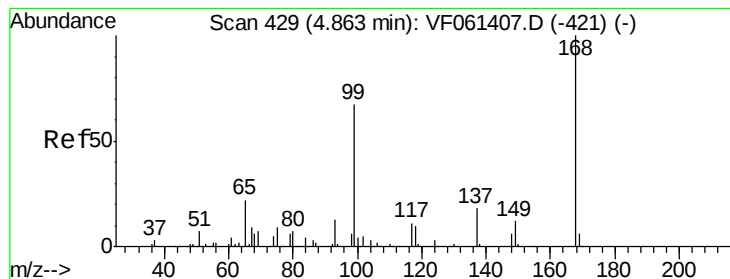
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
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: VF061535.D

Acq: 28 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

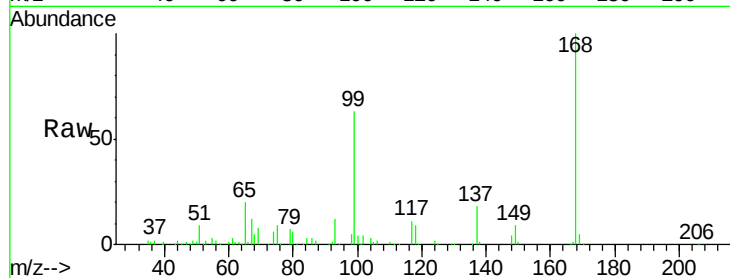
VF0128SBL01

Tot Ion:168 Resp: 224317

Ion Ratio Lower Upper

168 100

99 63.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

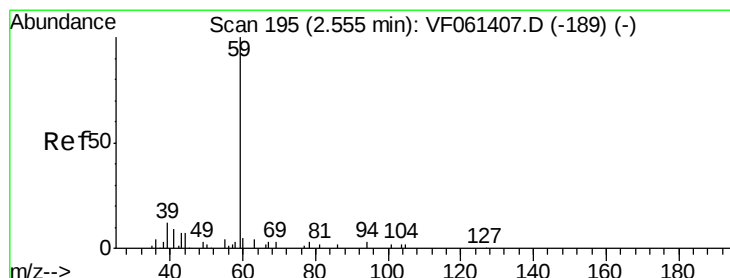
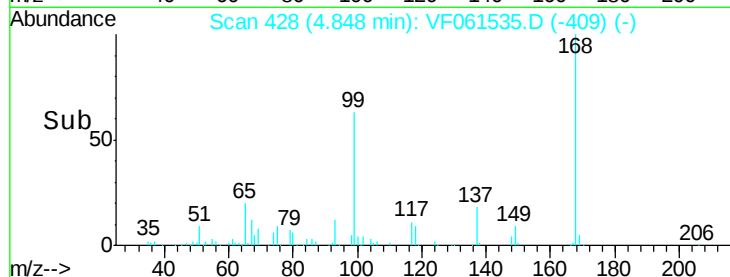
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 3.736 ug/l

RT: 2.57 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF061535.D

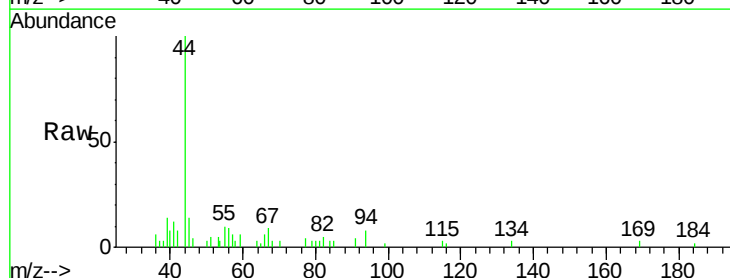
Acq: 28 Jan 2019 12:06

Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

59 100

57 102.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

300

250

200

150

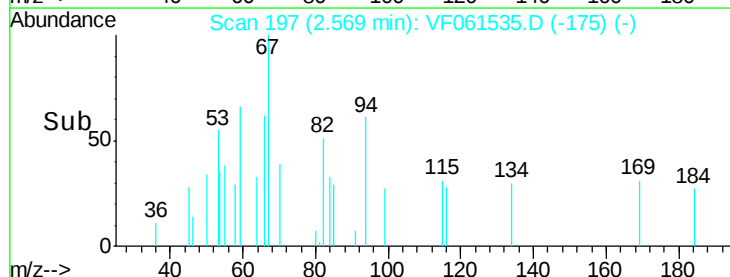
100

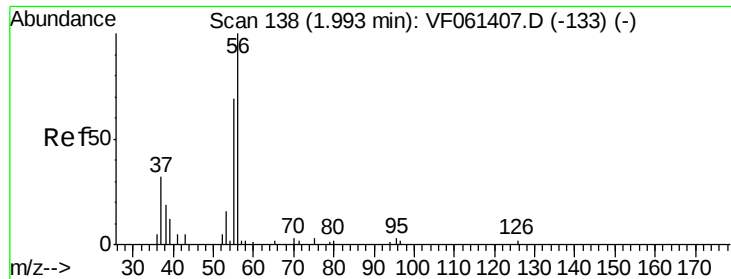
50

0

2.50 2.55 2.60

Time-->





#13

Acrolein

Concen: 16.508 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.03 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

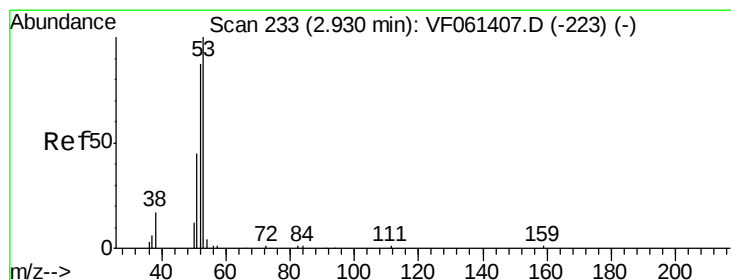
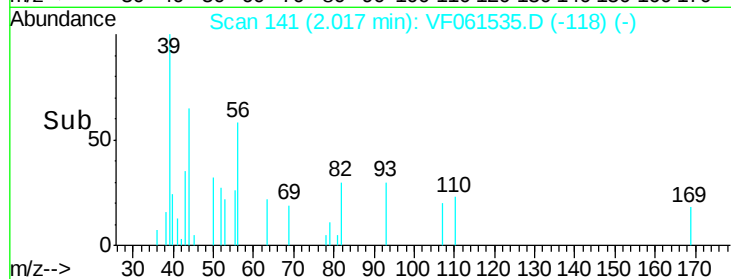
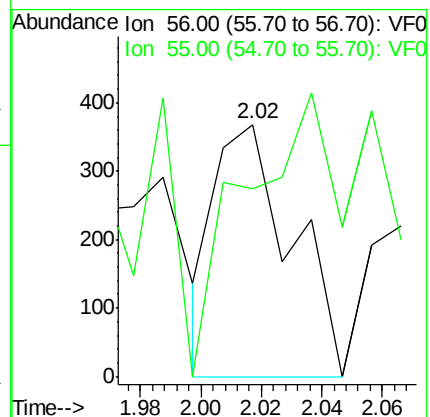
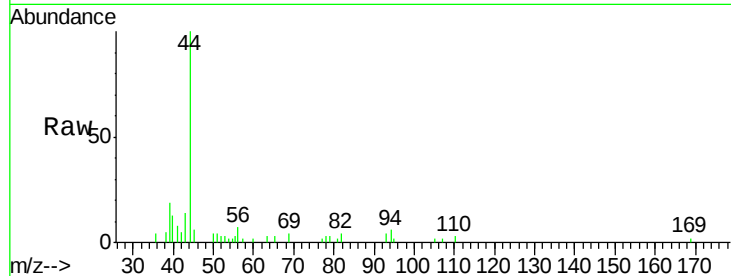
VF0128SBL01

Tot Ion: 56 Resp: 650

Ion Ratio Lower Upper

56 100

55 74.7 57.5 86.3



#15

Acrylonitrile

Concen: 5.562 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

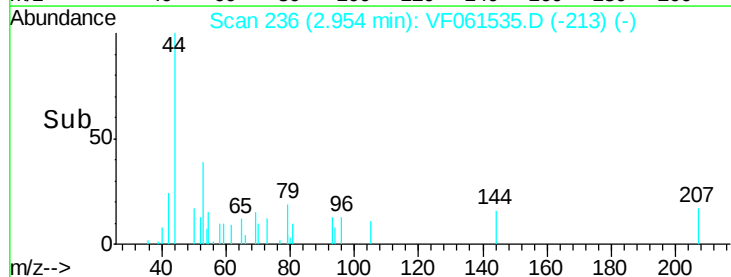
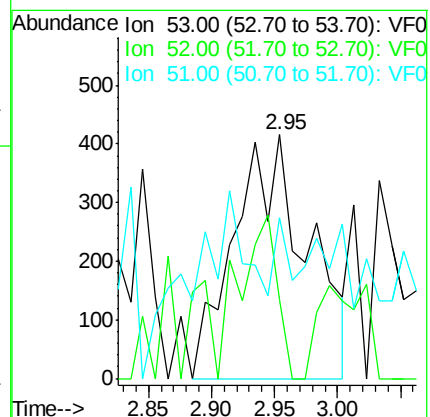
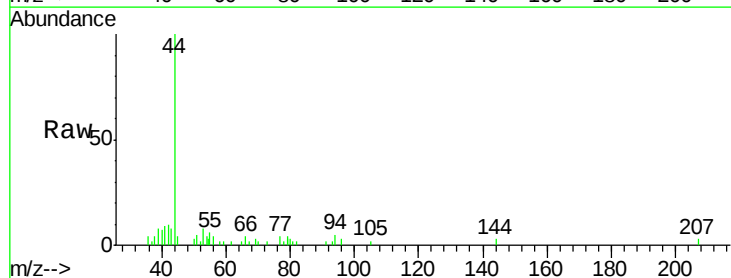
Tgt Ion: 53 Resp: 1670

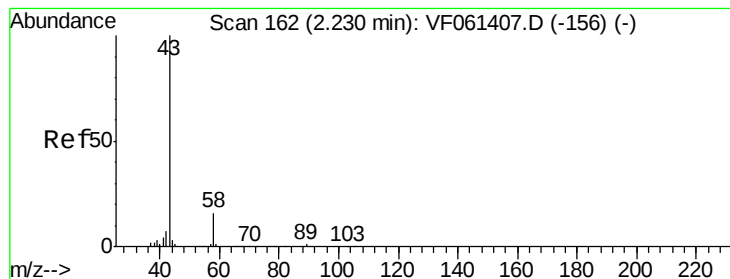
Ion Ratio Lower Upper

53 100

52 32.5 69.6 104.4#

51 65.9 36.8 55.2#





#16

Acetone

Concen: 6.665 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

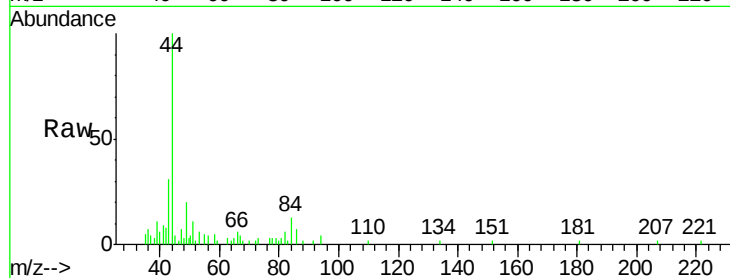
VF0128SBL01

Tot Ion: 43 Resp: 3703

Ion Ratio Lower Upper

43 100

58 16.9 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

1500

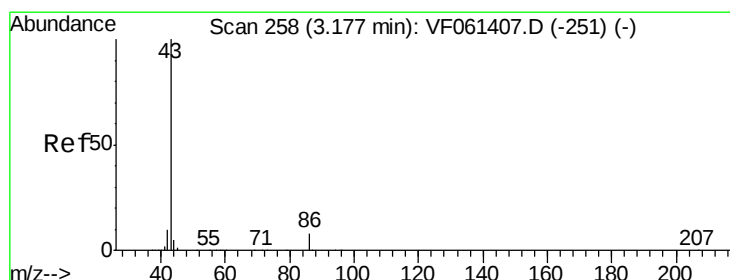
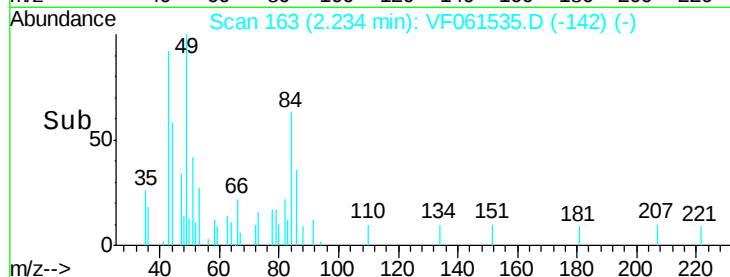
1000

500

0

Time-->

2.15 2.20 2.25



#23

Vinyl Acetate

Concen: 3.463 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061535.D

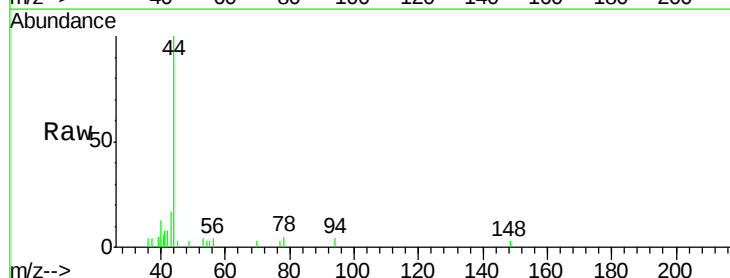
Acq: 28 Jan 2019 12:06

Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

800

600

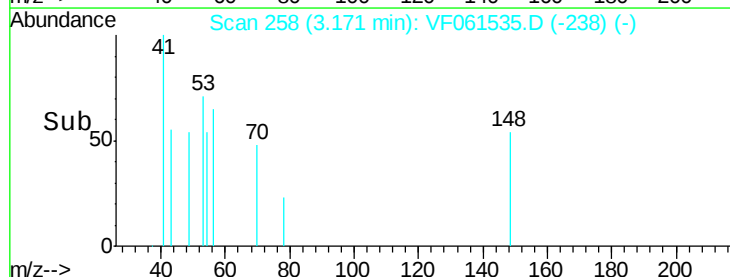
400

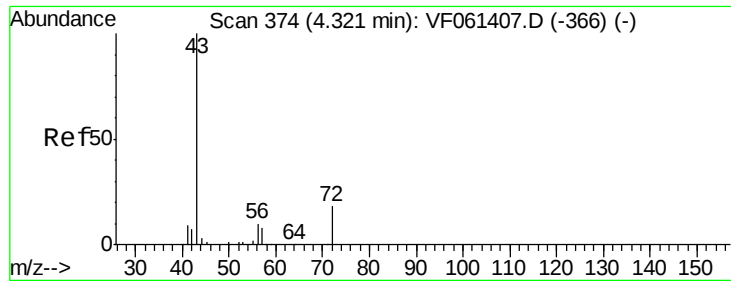
200

0

Time-->

3.15 3.20





#25

2-Butanone

Concen: 2.310 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

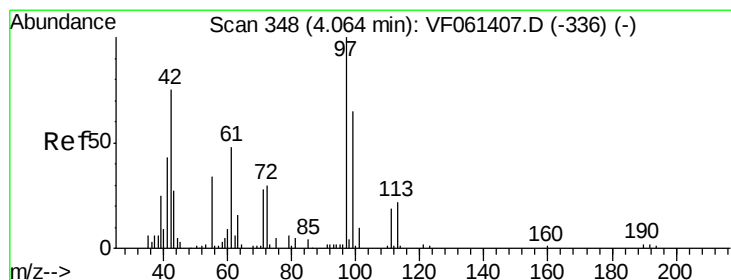
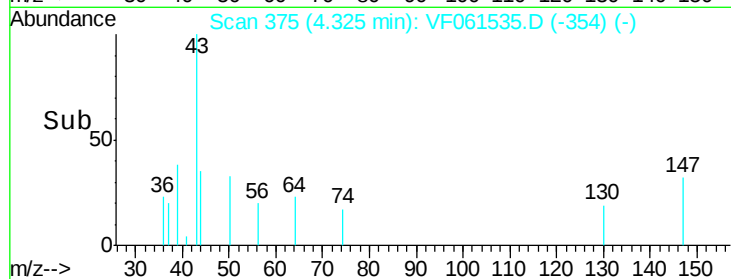
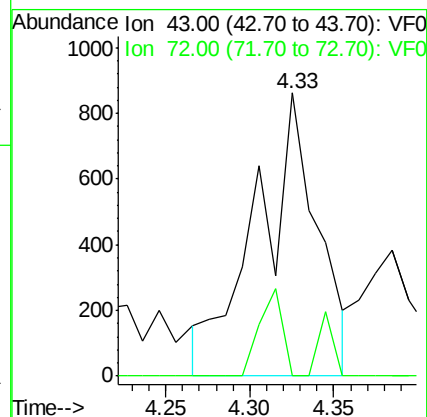
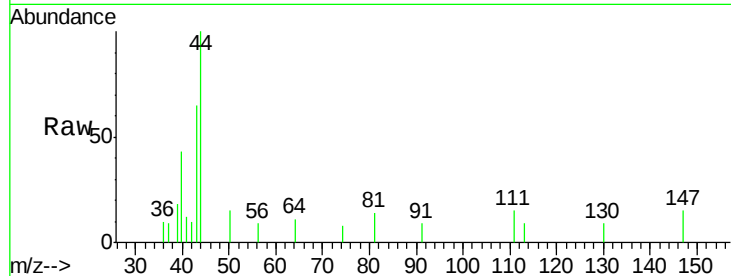
VF0128SBL01

Tot Ion: 43 Resp: 2134

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 1.388 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

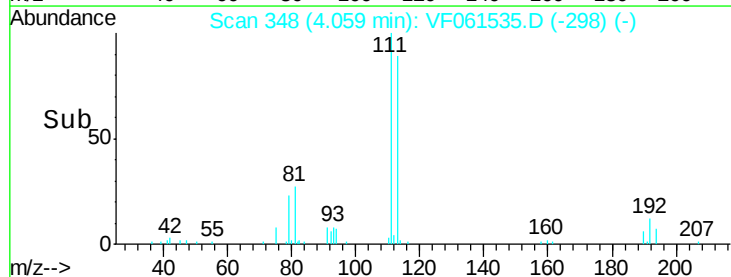
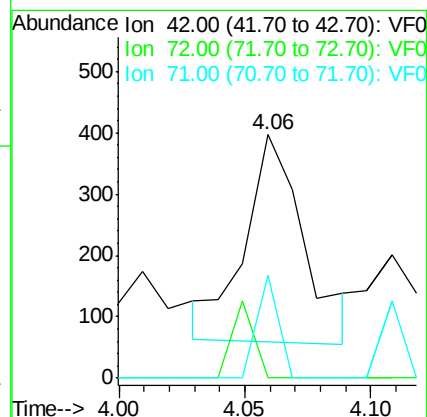
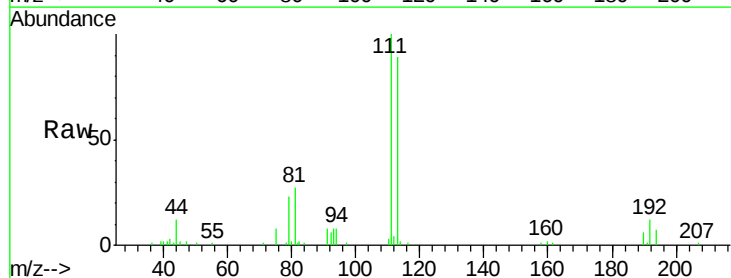
Tgt Ion: 42 Resp: 552

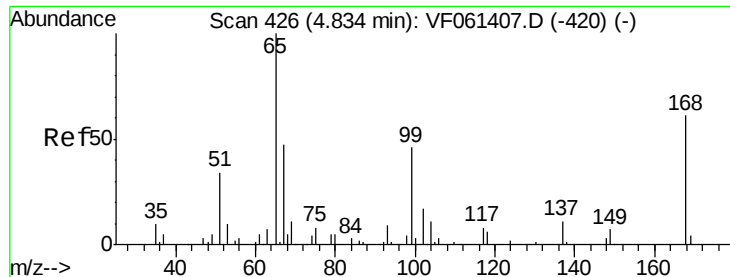
Ion Ratio Lower Upper

42 100

72 13.6 28.9 43.3#

71 17.9 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 45.550 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

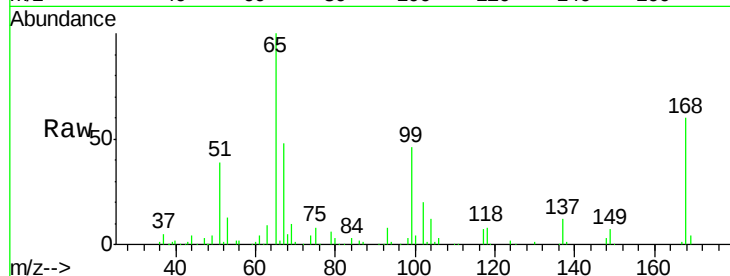
VF0128SBL01

Tot Ion: 65 Resp: 126151

Ion Ratio Lower Upper

65 100

67 48.5 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.82

40000

30000

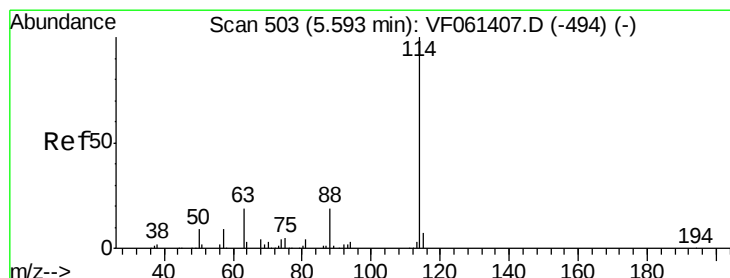
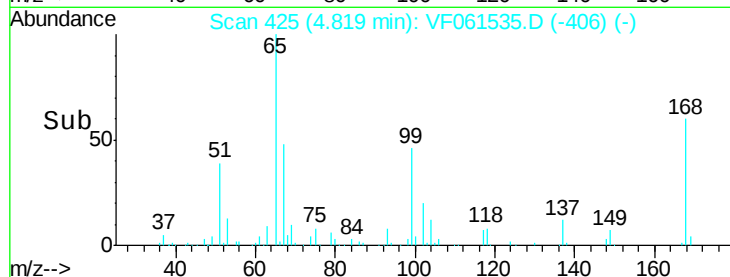
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

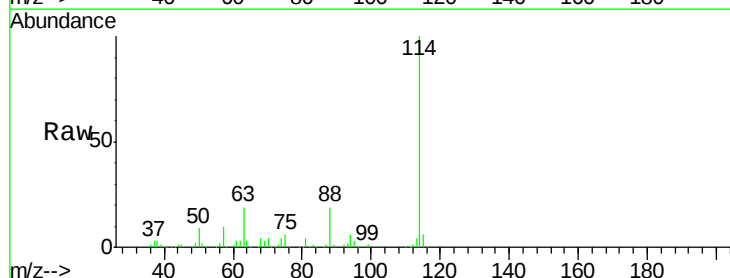
Tgt Ion: 114 Resp: 383042

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.0

88 19.2 0.0 37.4



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

200000

150000

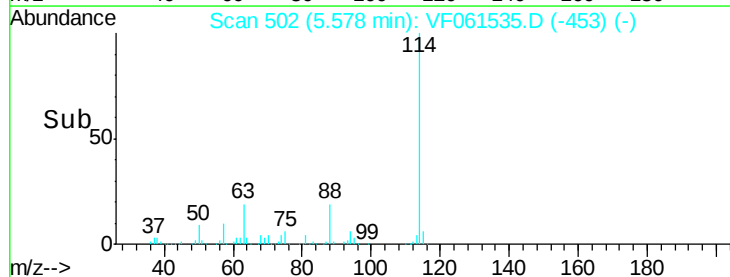
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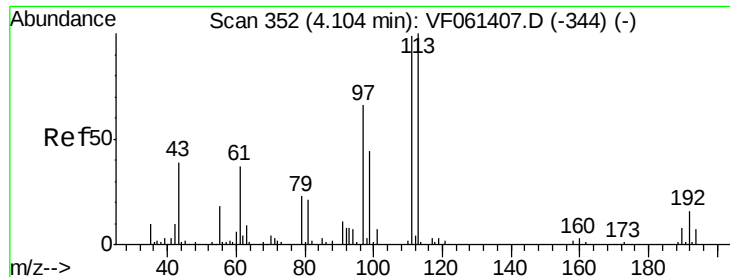
50000

0

5.40 5.50 5.60 5.70

Time-->





#35

Dibromofluoromethane

Concen: 47.991 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBL01

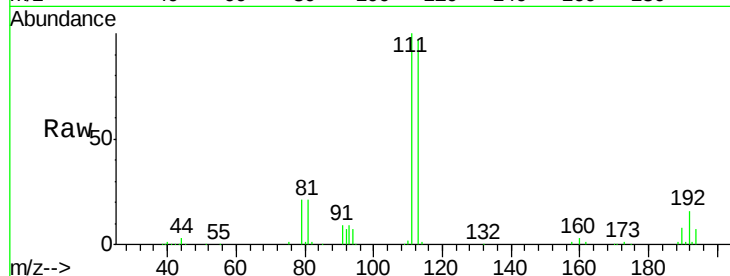
Tot Ion:113 Resp: 145055

Ion Ratio Lower Upper

113 100

111 102.6 79.4 119.0

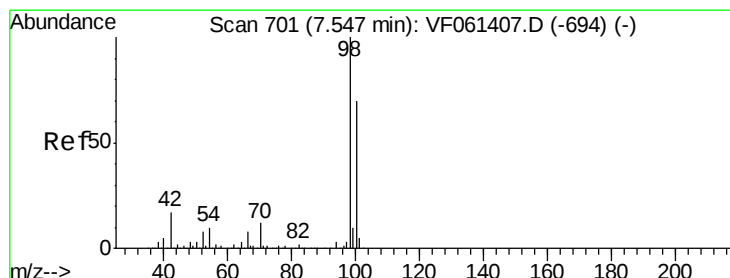
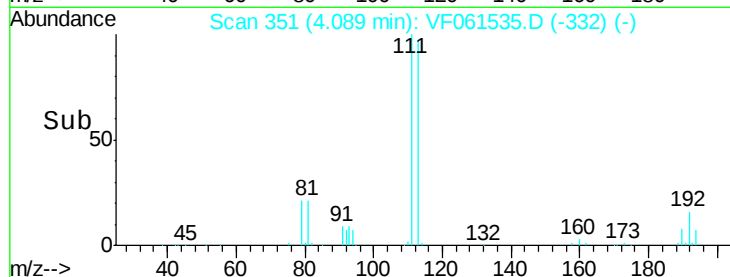
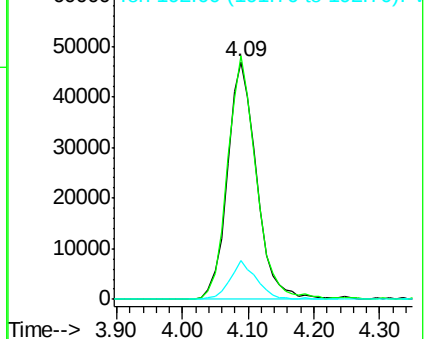
192 16.3 12.4 18.6



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: 46.307 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061535.D

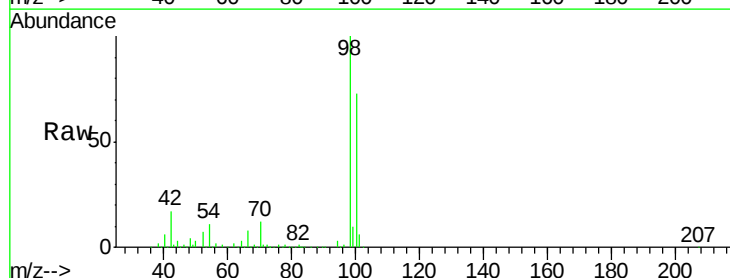
Acq: 28 Jan 2019 12:06

Tgt Ion: 98 Resp: 383476

Ion Ratio Lower Upper

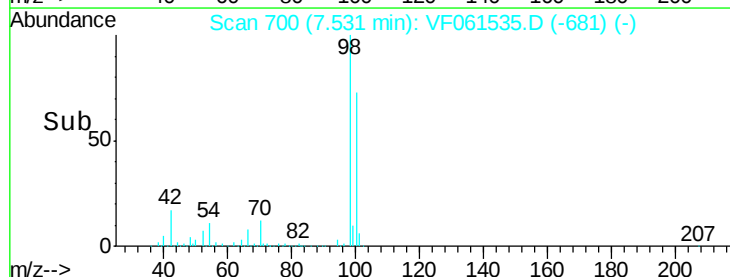
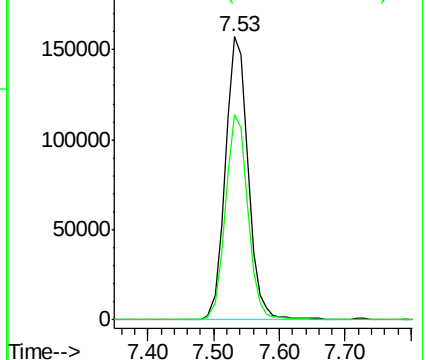
98 100

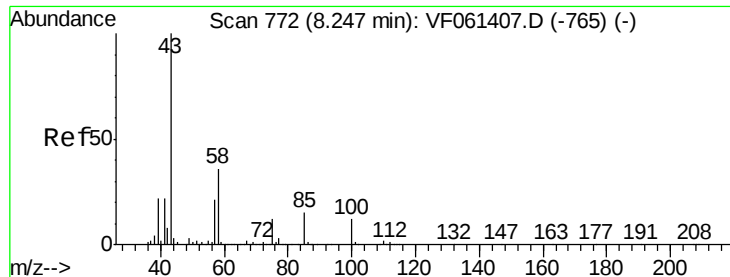
100 72.6 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#51

4-Methyl-2-Pentanone

Concen: 2.197 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061535.D

Acq: 28 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

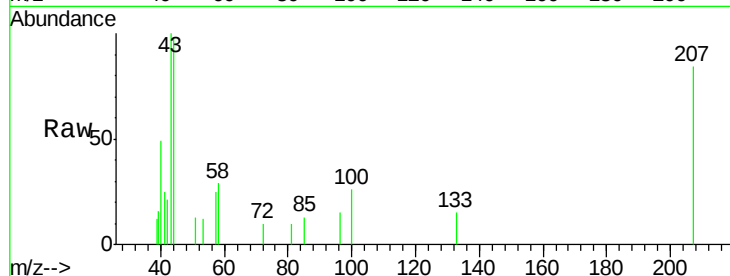
VF0128SBL01

Tot Ion: 43 Resp: 3599

Ion Ratio Lower Upper

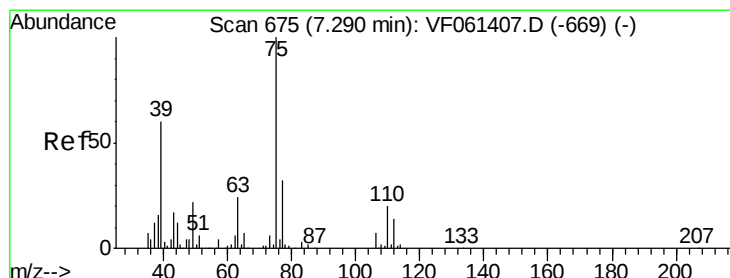
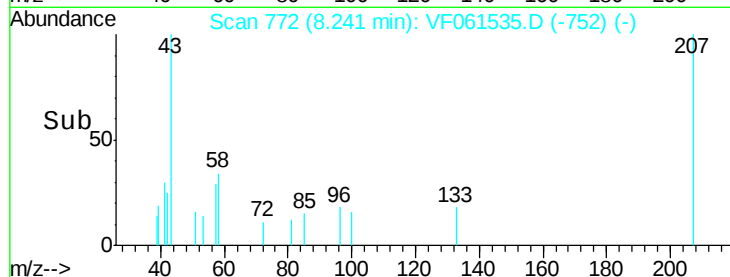
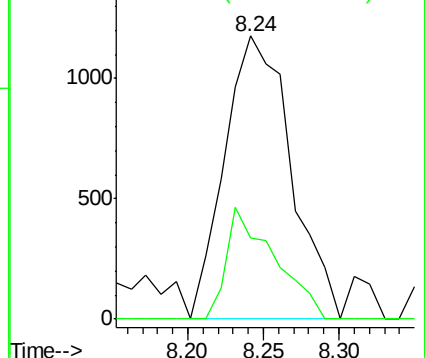
43 100

58 28.7 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 27.755 ug/l

RT: 7.32 min Scan# 679

Delta R.T. 0.03 min

Lab File: VF061535.D

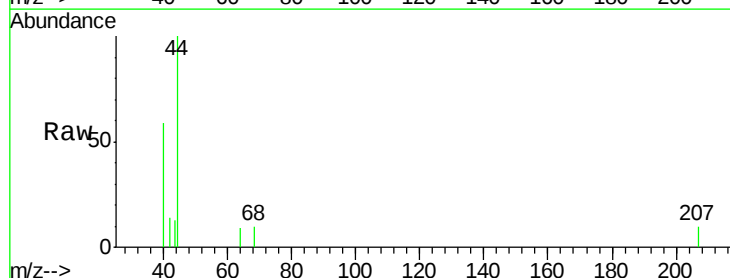
Acq: 28 Jan 2019 12:06

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

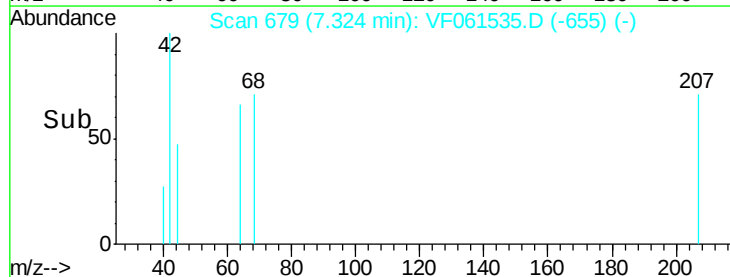
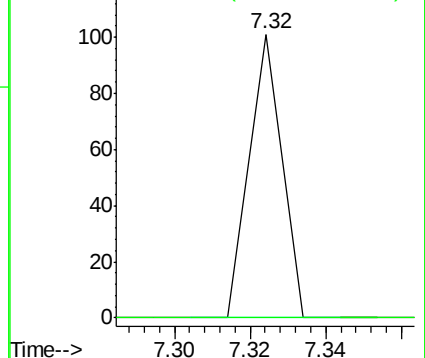
63 100

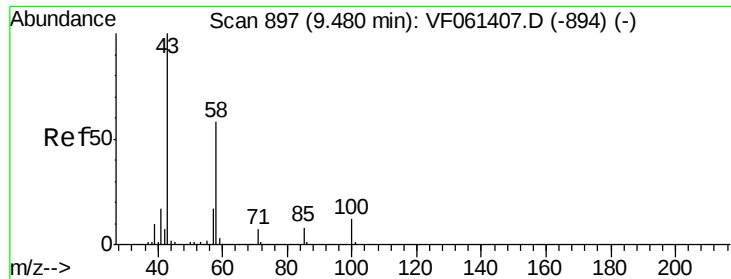
106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

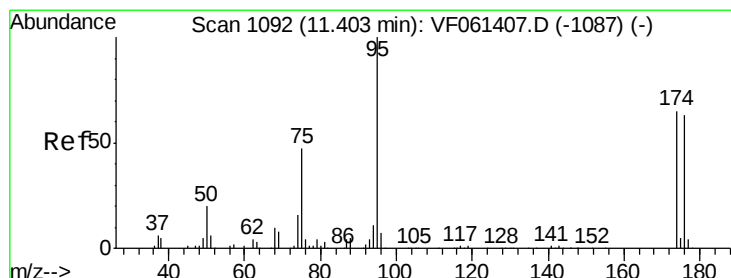
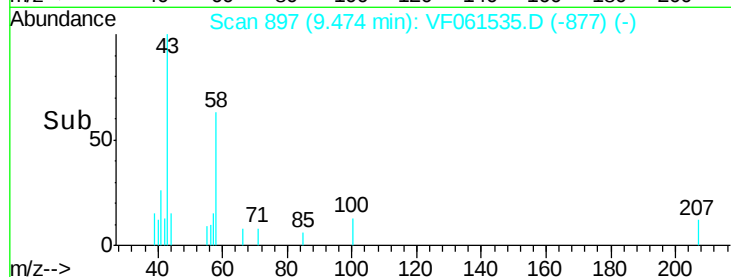
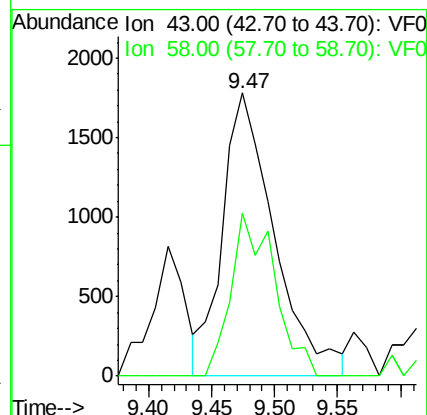
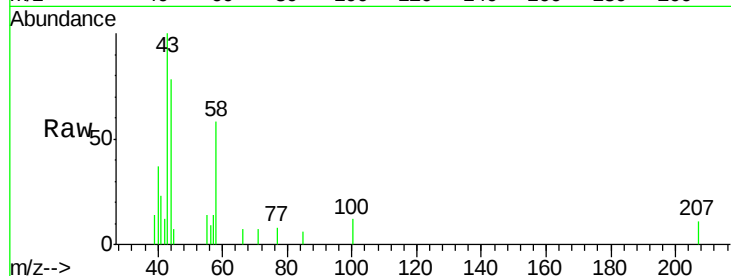




#59
2-Hexanone
Concen: 4.447 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061535.D
Acq: 28 Jan 2019 12:06

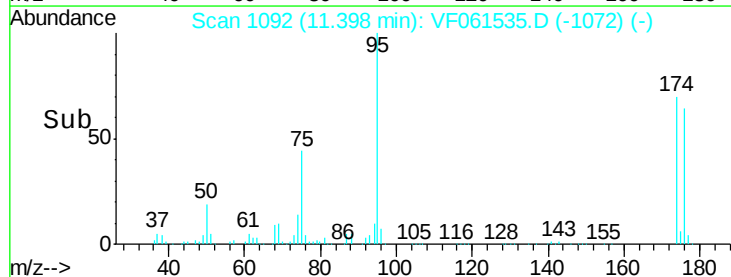
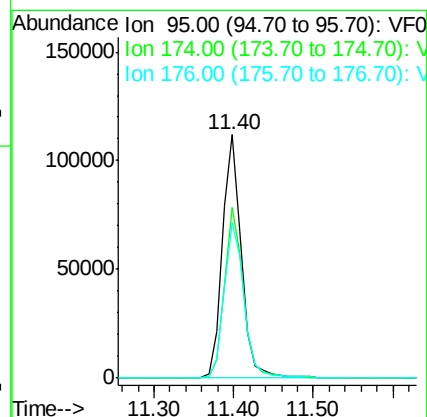
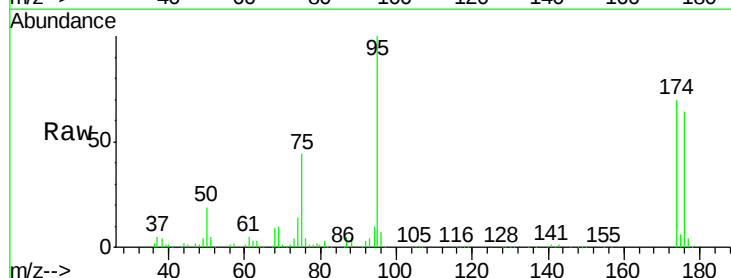
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBL01

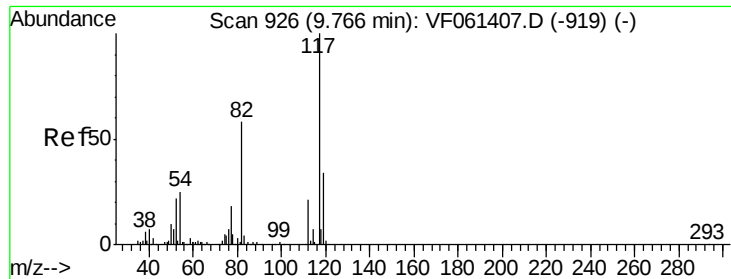
Tot Ion: 43 Resp: 5080
Ion Ratio Lower Upper
43 100
58 57.7 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 49.061 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061535.D
Acq: 28 Jan 2019 12:06

Tgt Ion: 95 Resp: 189827
Ion Ratio Lower Upper
95 100
174 69.9 0.0 130.4
176 64.0 0.0 126.2

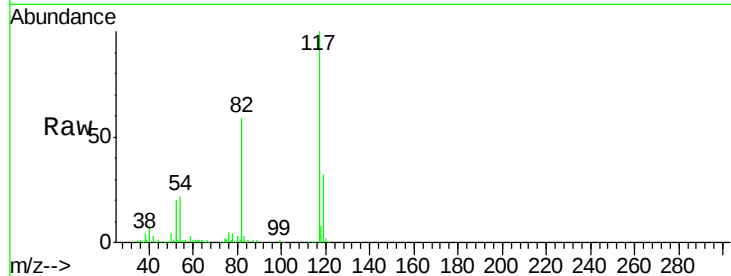




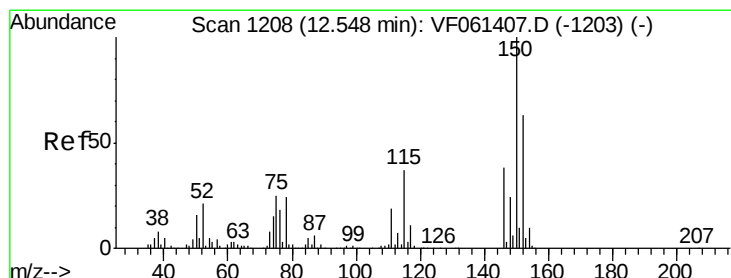
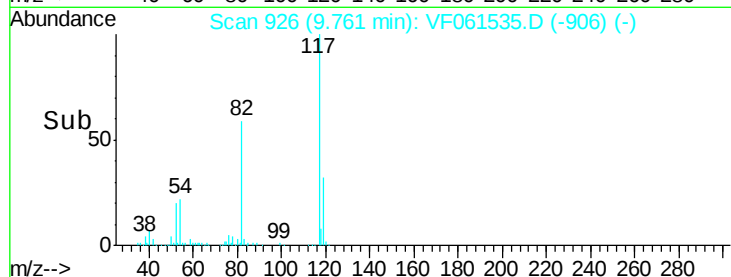
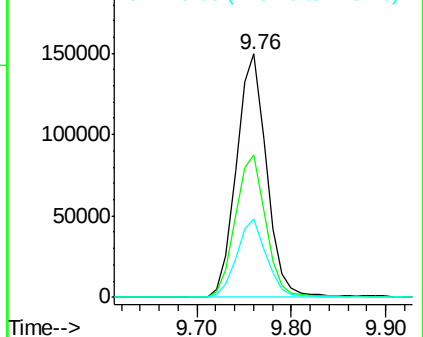
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061535.D
Acq: 28 Jan 2019 12:06

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.4	69.6
119	32.3	27.2	40.8

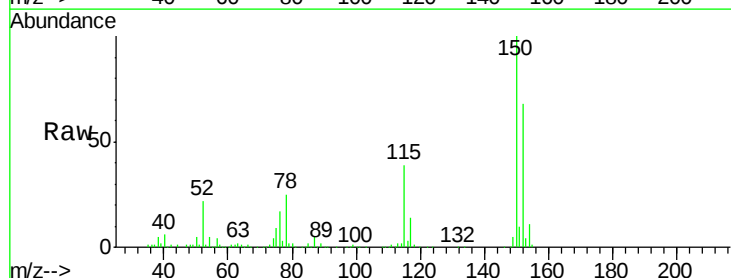


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

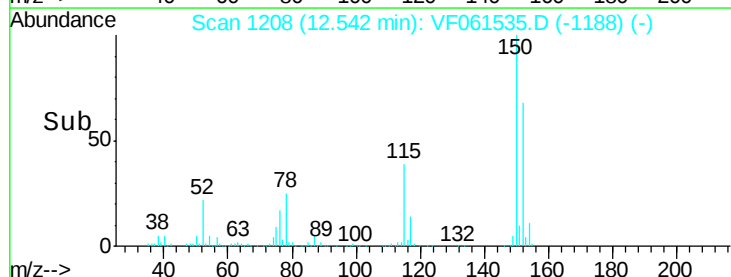
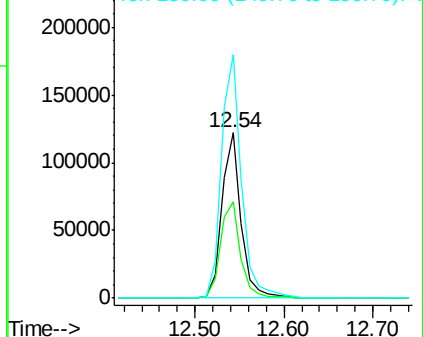


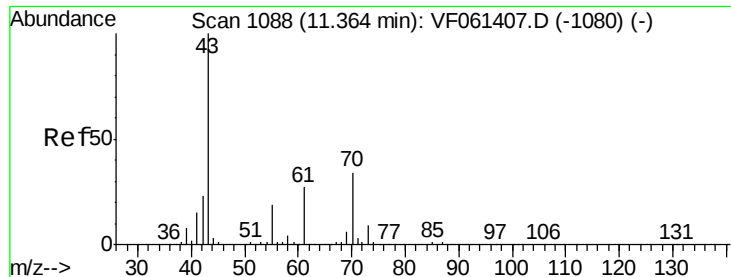
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061535.D
Acq: 28 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.0	90.0
150	147.6	0.0	321.4



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

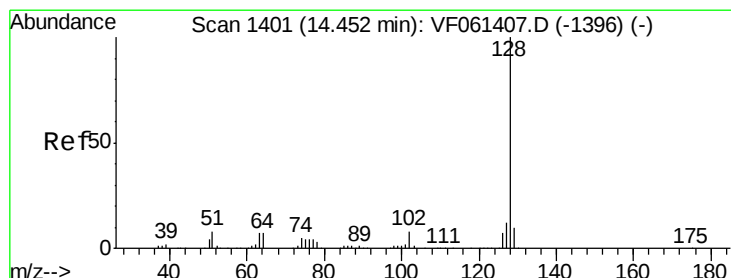
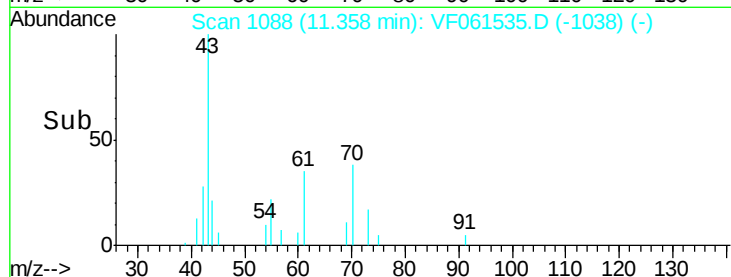
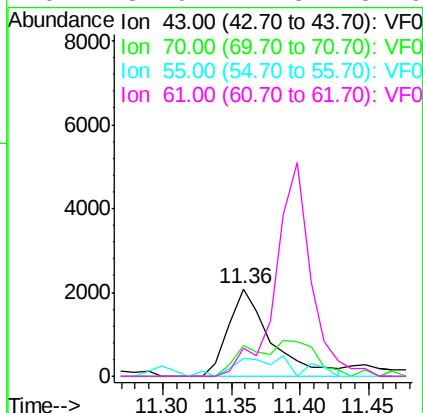
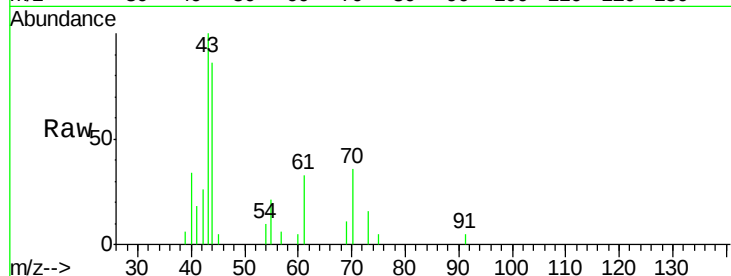




#74
N-amyl acetate
Concen: 1.255 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF061535.D
Acq: 28 Jan 2019 12:06

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBL01

Tot Ion:	43	Resp:	4492
Ion	Ratio	Lower	Upper
43	100		
70	35.6	27.6	41.4
55	20.6	15.4	23.2
61	32.9	21.8	32.6#



#95
Naphthalene
Concen: 1.069 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061535.D
Acq: 28 Jan 2019 12:06

Tgt Ion:	128	Resp:	8506
Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.5	14.3
129	11.1	8.4	12.6

