

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
 Data File : VF061735.D
 Acq On : 25 Feb 2019 17:34
 Operator : VA/AP
 Sample : K1610-03
 Misc : 8.99g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WV-B

Quant Time: Feb 26 04:48:00 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	4.86	168	327928	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	484100	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	400354	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	192214	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	105972	44.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	88.14%	
35) Dibromofluoromethane	4.10	113	149403	41.56	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	83.12%	
50) Toluene-d8	7.56	98	376740	36.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.90%	
62) 4-Bromofluorobenzene	11.41	95	146448	35.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.04%	

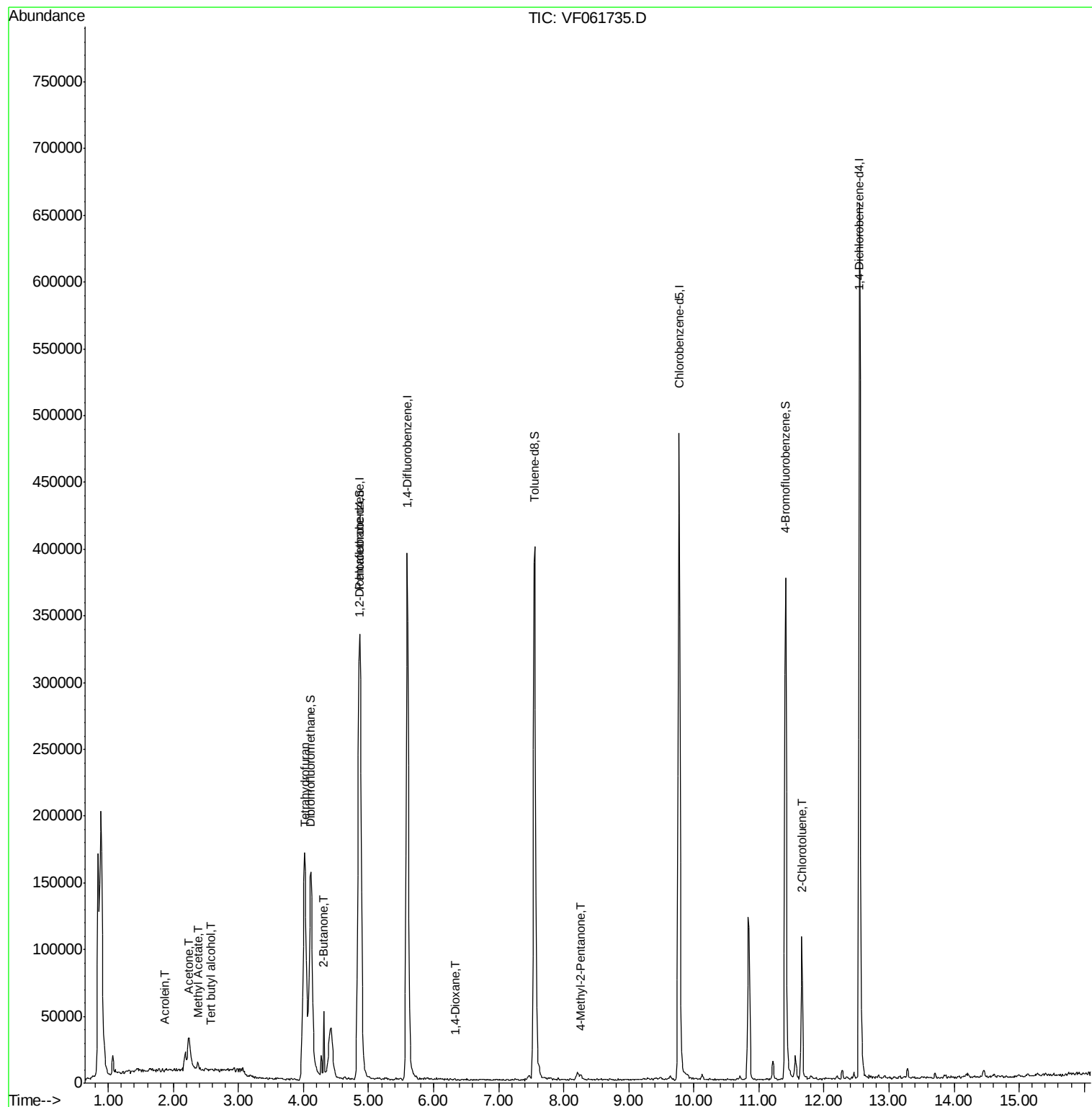
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	302	2.170	ug/l #	43
13) Acrolein	1.88	56	212	1.212	ug/l	94
16) Acetone	2.24	43	22153	42.936	ug/l #	85
18) Methyl Acetate	2.37	43	2598	2.235	ug/l #	59
20) Methylene Chloride	2.18	84	5426	Below Cal		92
25) 2-Butanone	4.31	43	3028	2.687	ug/l #	90
29) Tetrahydrofuran	4.03	42	2794	5.455	ug/l #	45
49) 1,4-Dioxane	6.34	88	63	4.224	ug/l #	4
51) 4-Methyl-2-Pentanone	8.27	43	3834	2.035	ug/l #	82
79) 2-Chlorotoluene	11.66	91	11862	1.349	ug/l #	36

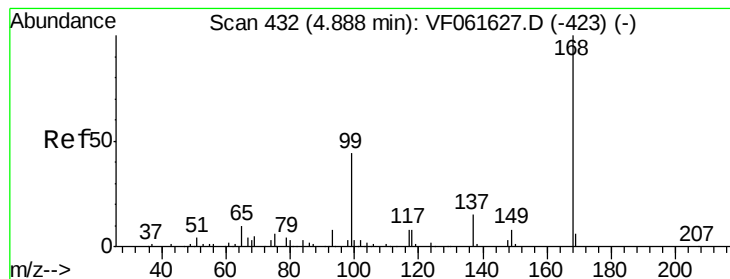
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
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ClientSampleId :
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Quant Time: Feb 26 04:48:00 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: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061735.D

Acq: 25 Feb 2019 17:34

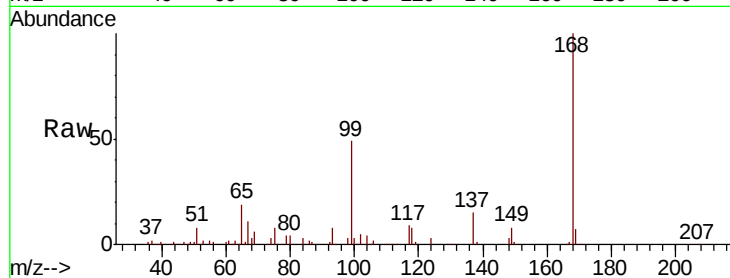
Instrument :
MSVOA_F
ClientSampleId :
WV-B

Tgt Ion:168 Resp: 327928

Ion Ratio Lower Upper

168 100

99 49.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

120000

100000

80000

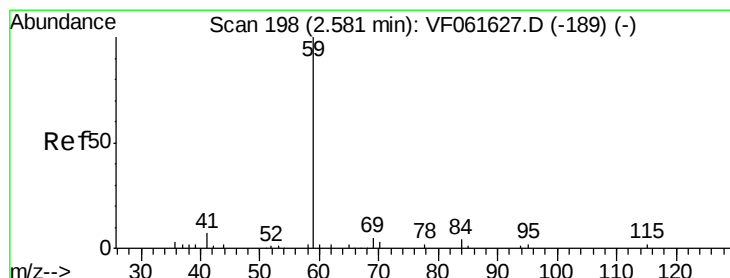
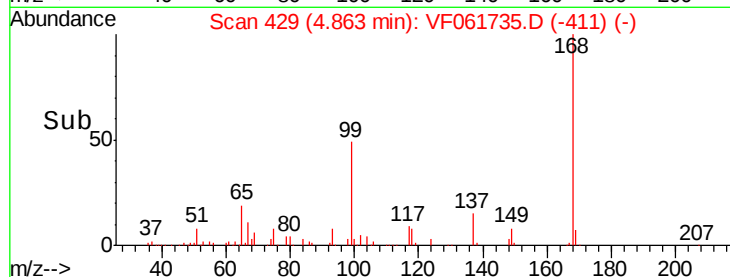
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.170 ug/l

RT: 2.58 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061735.D

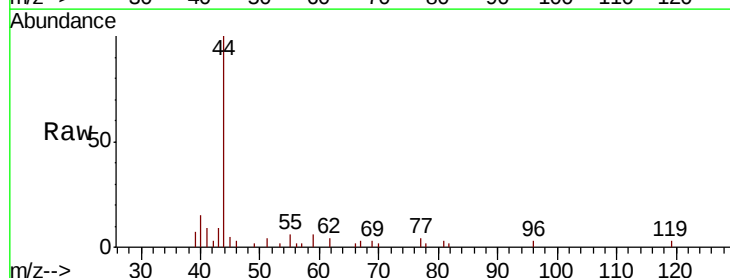
Acq: 25 Feb 2019 17:34

Tgt Ion: 59 Resp: 302

Ion Ratio Lower Upper

59 100

57 39.4 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

300

250

200

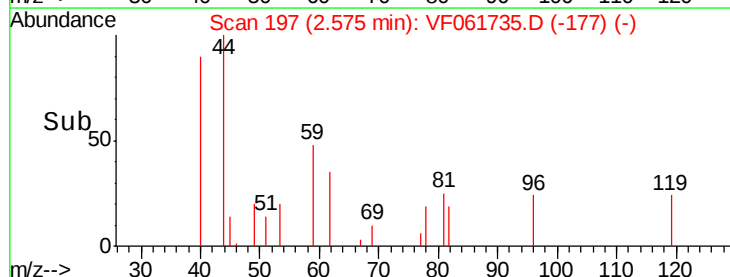
150

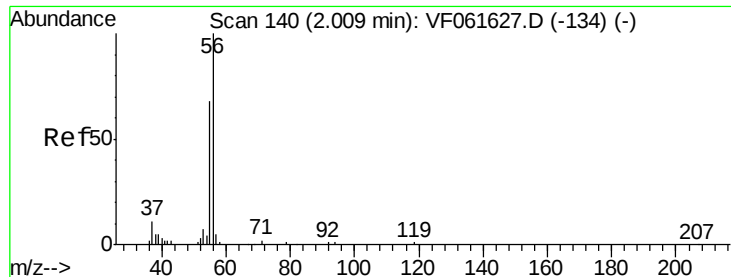
100

50

0

Time-->





#13

Acrolein

Concen: 1.212 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.13 min

Lab File: VF061735.D

Acq: 25 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampled :

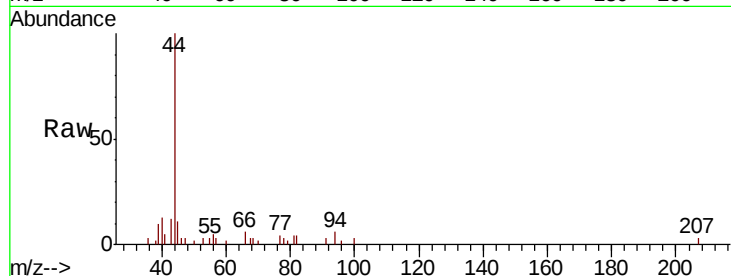
WV-B

Tgt Ion: 56 Resp: 212

Ion Ratio Lower Upper

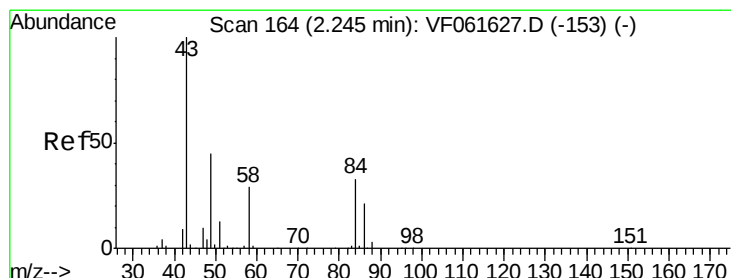
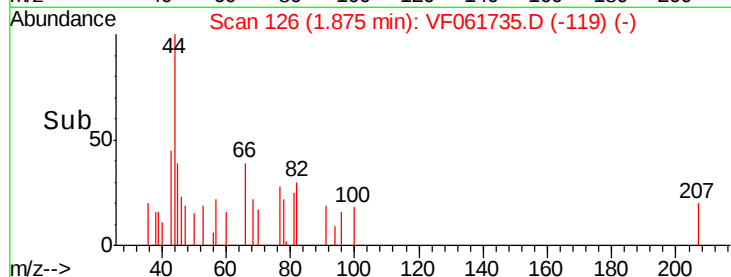
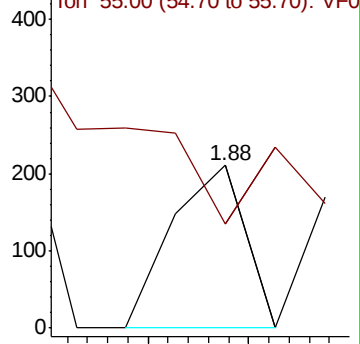
56 100

55 64.0 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 42.936 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061735.D

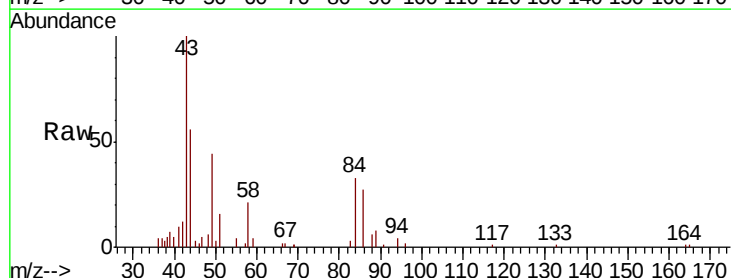
Acq: 25 Feb 2019 17:34

Tgt Ion: 43 Resp: 22153

Ion Ratio Lower Upper

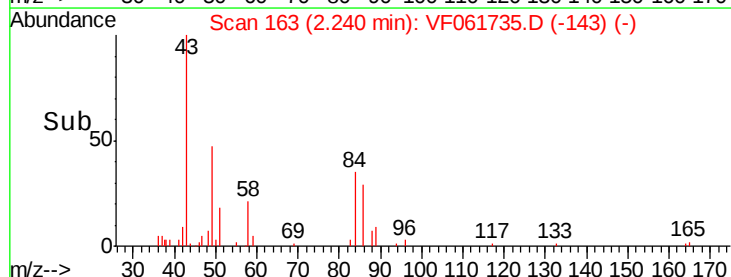
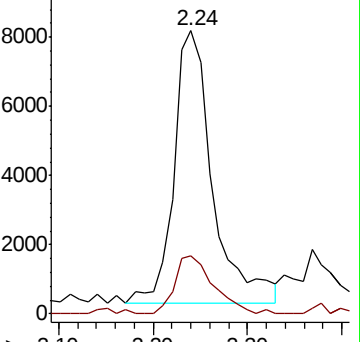
43 100

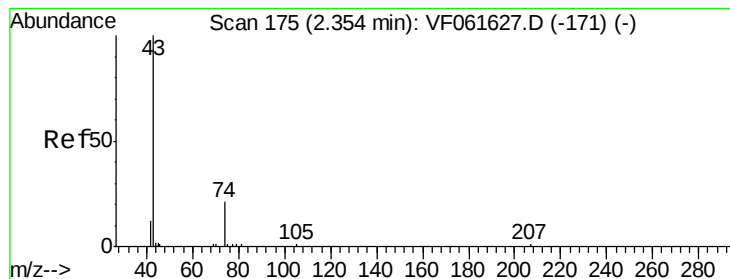
58 20.7 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#18

Methyl Acetate

Concen: 2.235 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061735.D

Acq: 25 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

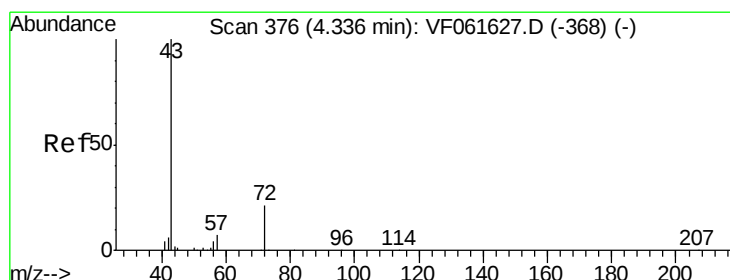
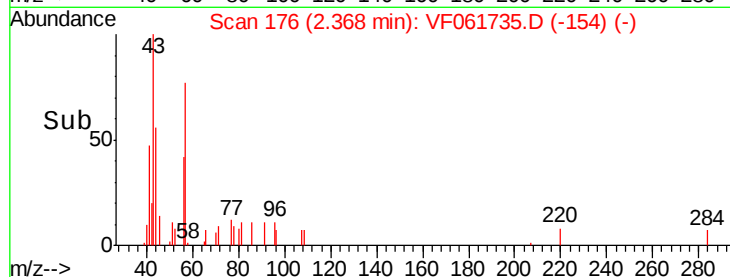
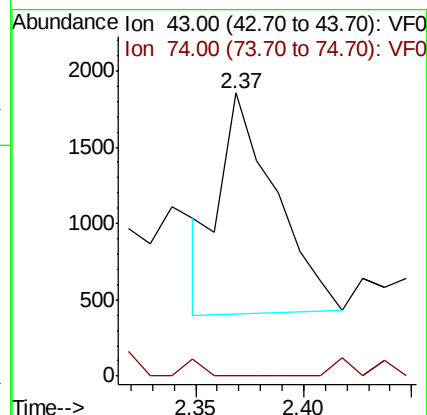
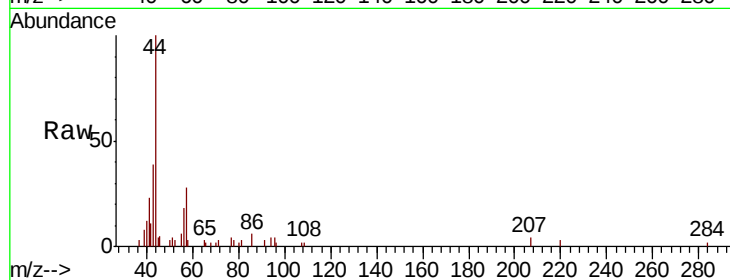
WV-B

Tgt Ion: 43 Resp: 2598

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#



#25

2-Butanone

Concen: 2.687 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061735.D

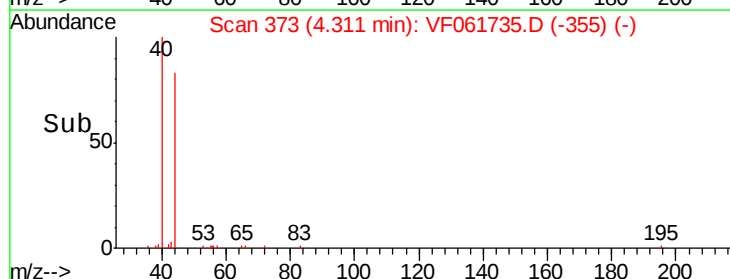
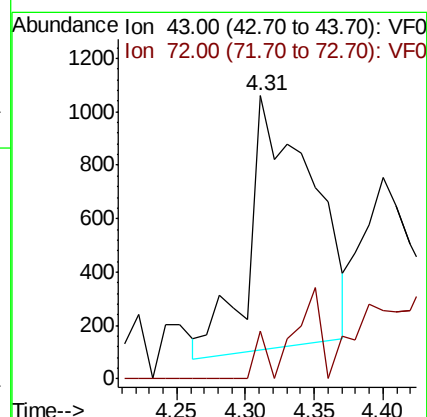
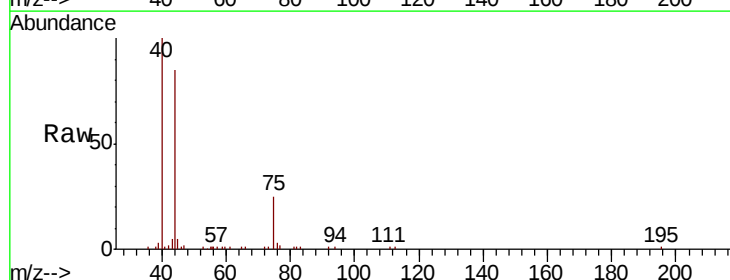
Acq: 25 Feb 2019 17:34

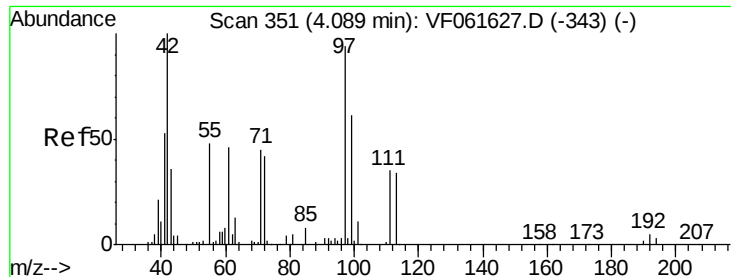
Tgt Ion: 43 Resp: 3028

Ion Ratio Lower Upper

43 100

72 16.9 17.1 25.7#





#29

Tetrahydrofuran

Concen: 5.455 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.05 min

Lab File: VF061735.D

Acq: 25 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

WV-B

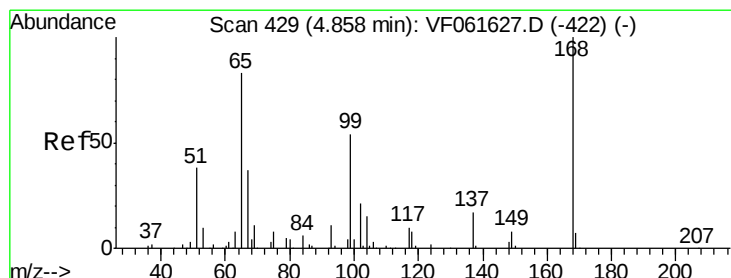
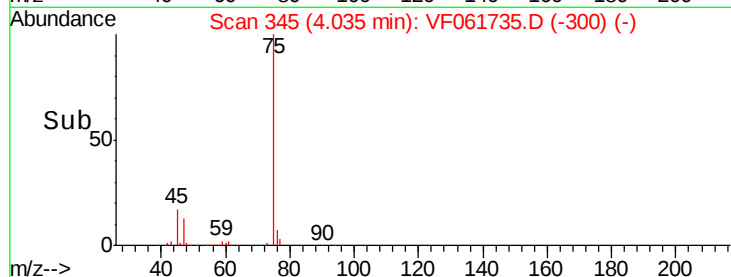
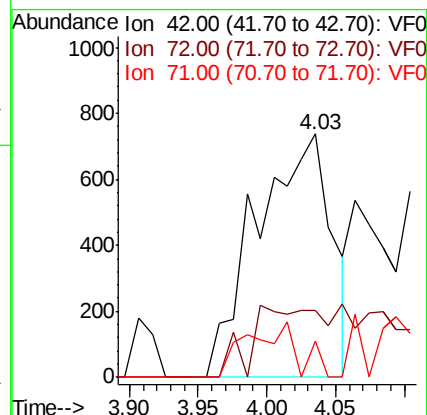
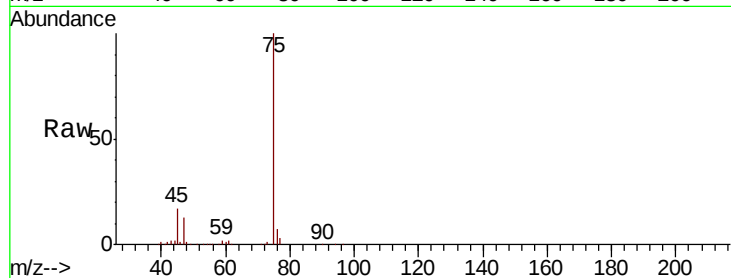
Tgt Ion: 42 Resp: 2794

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 15.5 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 44.068 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061735.D

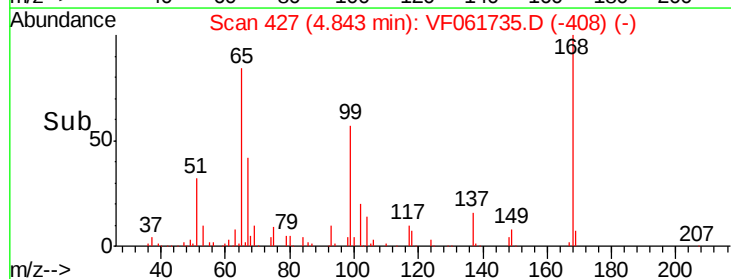
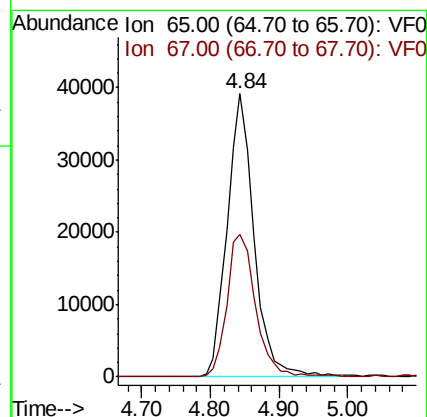
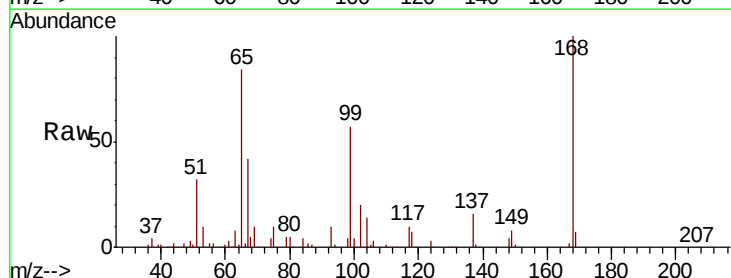
Acq: 25 Feb 2019 17:34

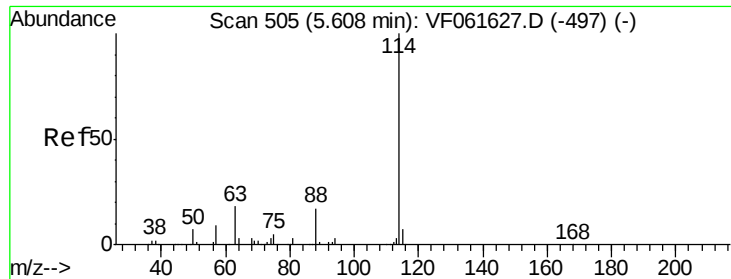
Tgt Ion: 65 Resp: 105972

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061735.D

Acq: 25 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

WV-B

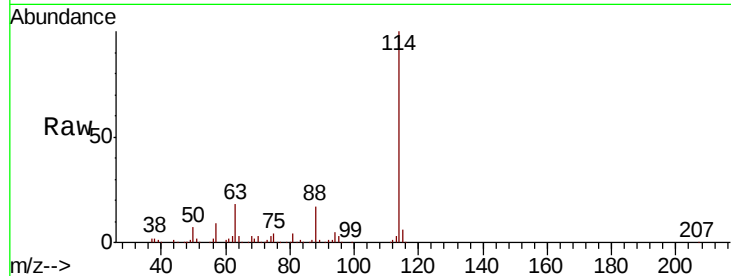
Tgt Ion:114 Resp: 484100

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

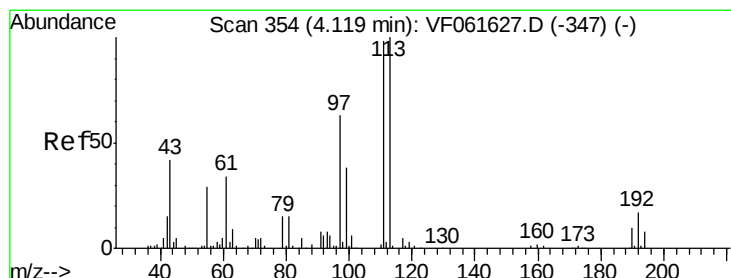
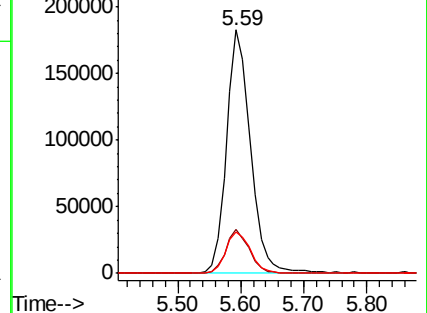
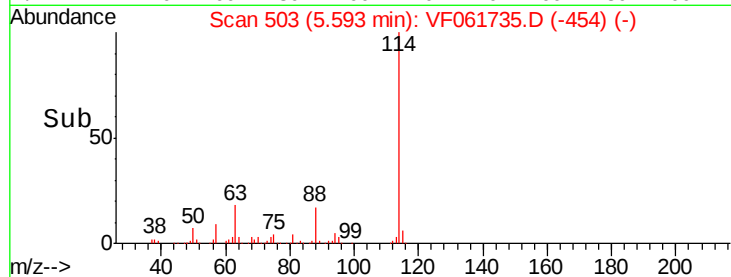
88 17.2 0.0 34.4



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: 41.559 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061735.D

Acq: 25 Feb 2019 17:34

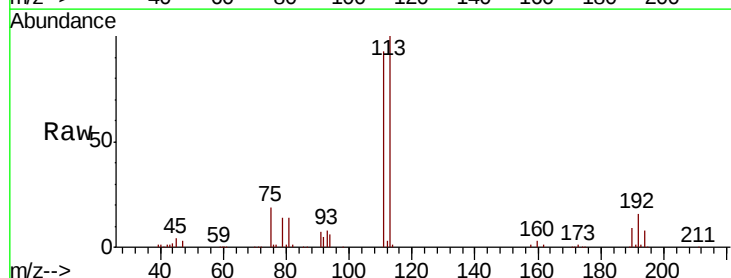
Tgt Ion:113 Resp: 149403

Ion Ratio Lower Upper

113 100

111 93.4 78.8 118.2

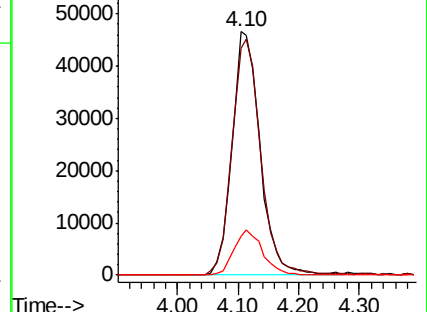
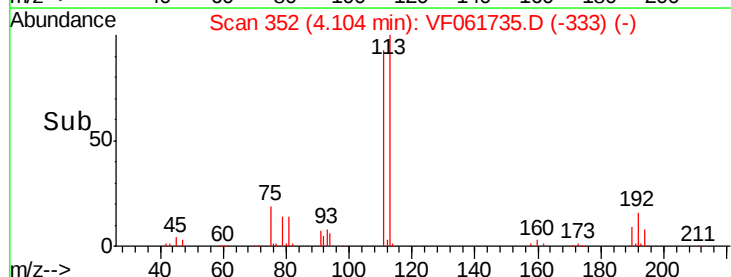
192 15.8 13.4 20.0

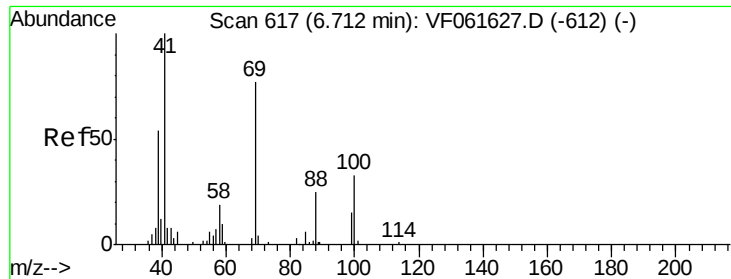


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

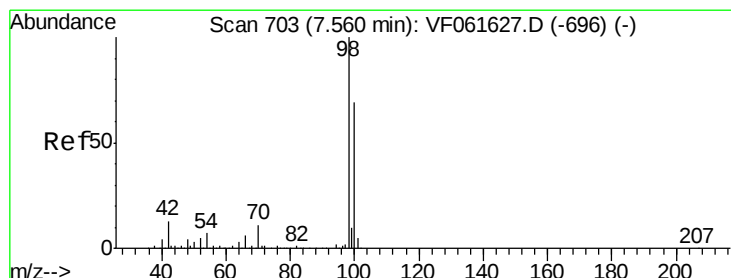
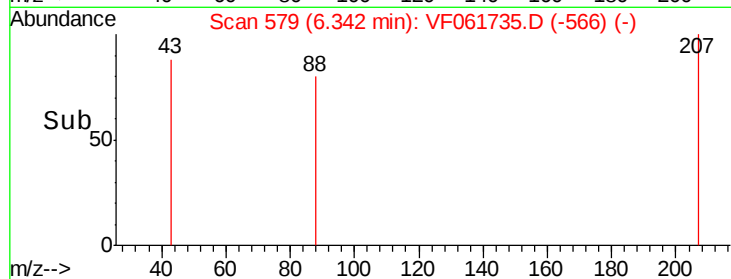
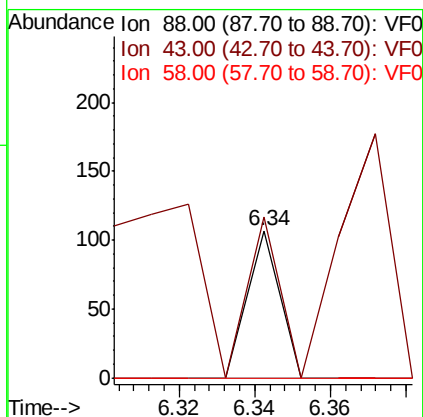
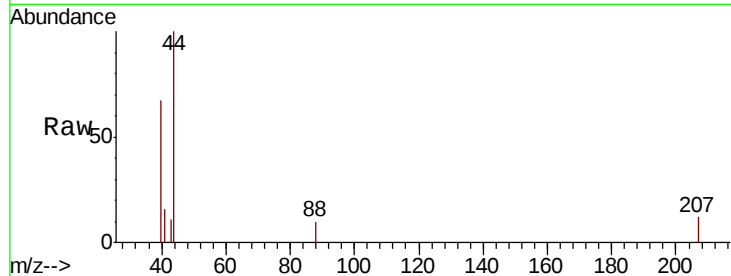




#49
1,4-Dioxane
Concen: 4.224 ug/l
RT: 6.34 min Scan# 579
Delta R.T. -0.37 min
Lab File: VF061735.D
Acq: 25 Feb 2019 17:34

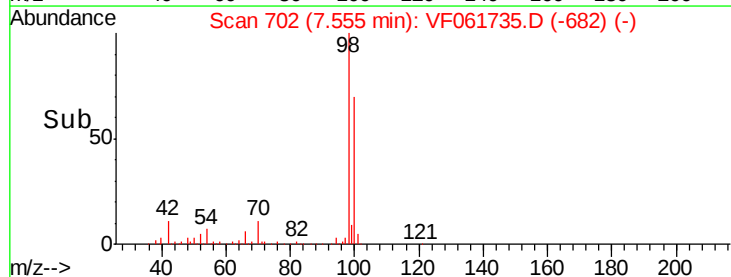
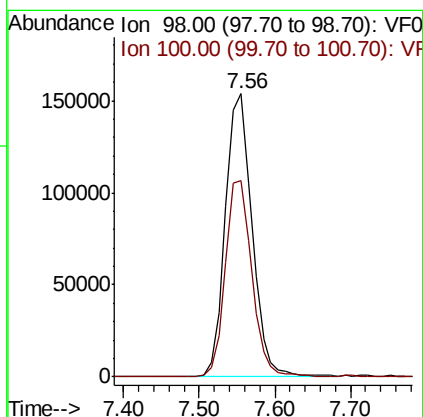
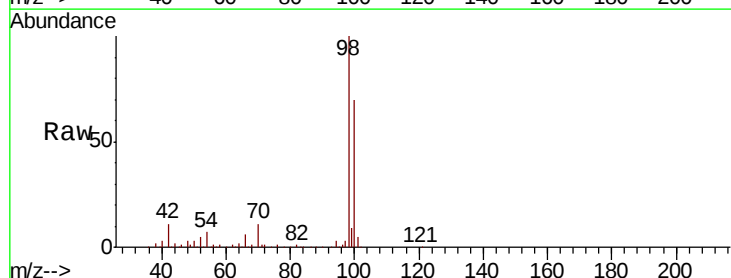
Instrument :
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WV-B

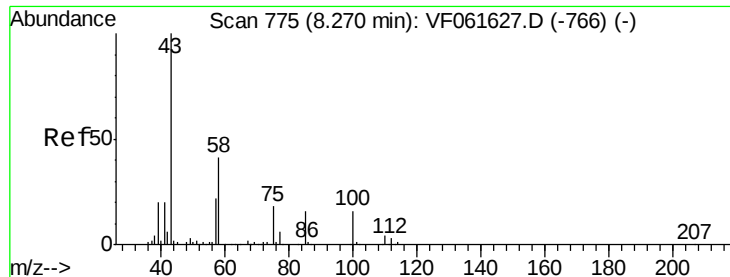
Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 109.3 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 36.455 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061735.D
Acq: 25 Feb 2019 17:34

Tgt Ion: 98 Resp: 376740
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.2

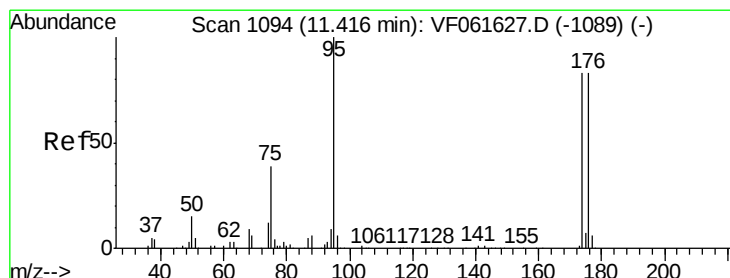
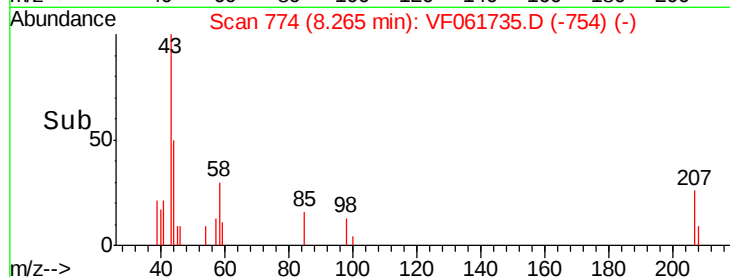
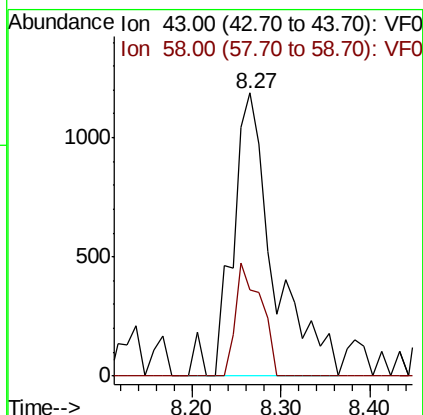
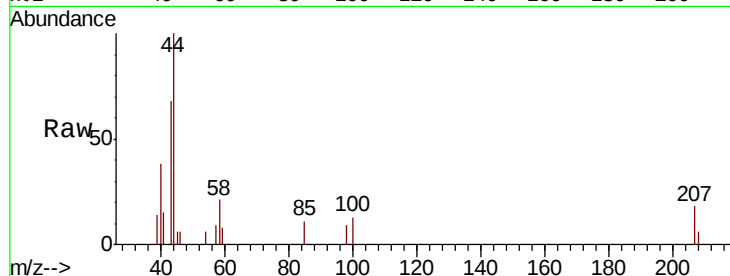




#51
 4-Methyl-2-Pentanone
 Concen: 2.035 ug/l
 RT: 8.27 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VF061735.D
 Acq: 25 Feb 2019 17:34

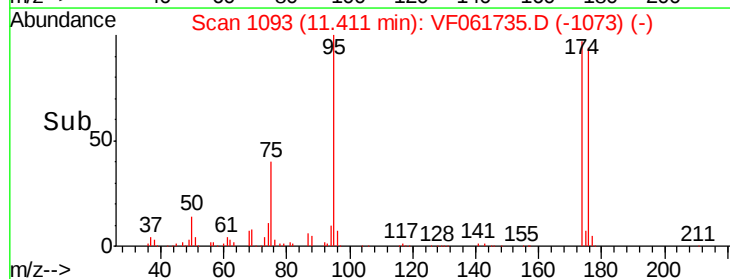
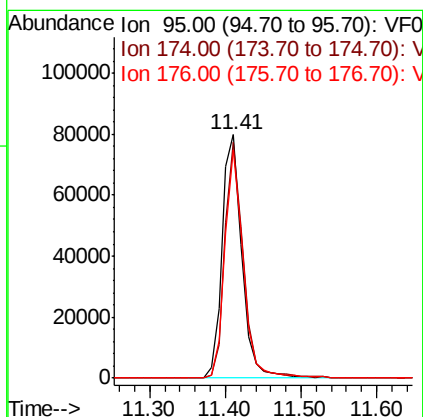
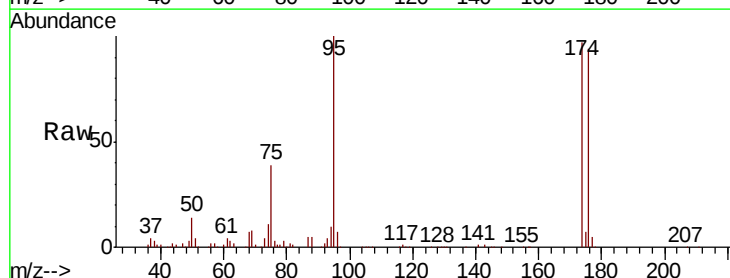
Instrument :
 MSVOA_F
 ClientSampleId :
 WV-B

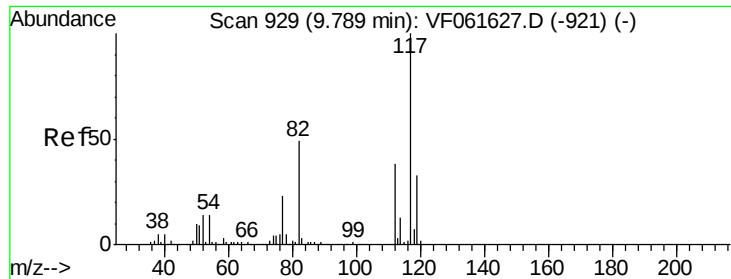
Tgt Ion: 43 Resp: 3834
 Ion Ratio Lower Upper
 43 100
 58 30.3 33.1 49.7#



#62
 4-Bromofluorobenzene
 Concen: 35.023 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VF061735.D
 Acq: 25 Feb 2019 17:34

Tgt Ion: 95 Resp: 146448
 Ion Ratio Lower Upper
 95 100
 174 96.7 0.0 165.8
 176 93.5 0.0 167.0

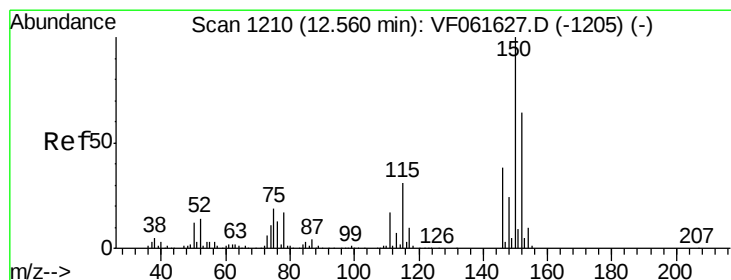
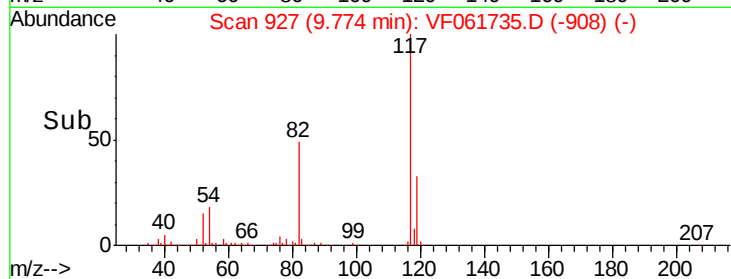
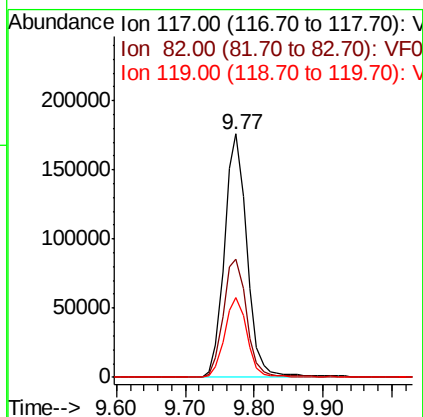
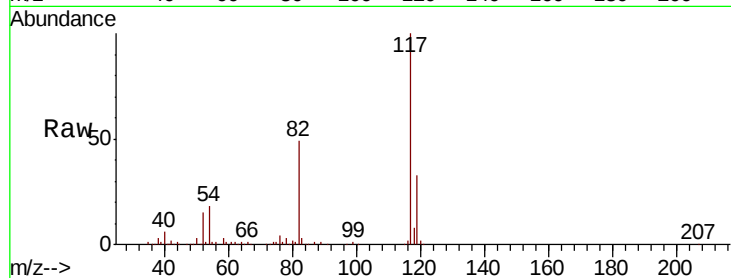




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061735.D
Acq: 25 Feb 2019 17:34

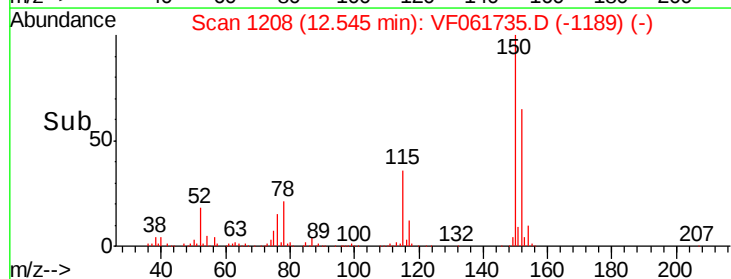
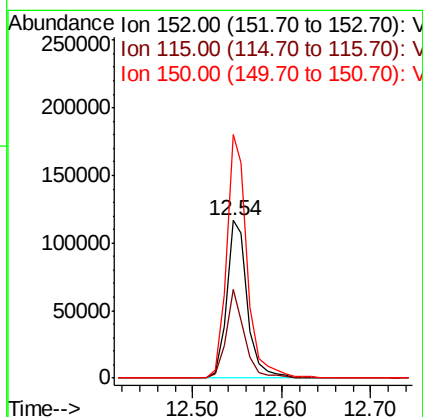
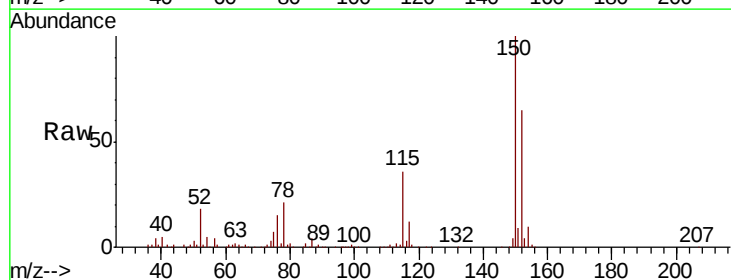
Instrument :
MSVOA_F
ClientSampleId :
WV-B

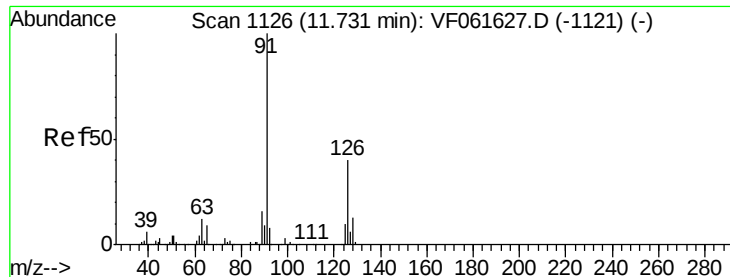
Tgt Ion:117 Resp: 400354
Ion Ratio Lower Upper
117 100
82 48.7 39.3 58.9
119 32.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061735.D
Acq: 25 Feb 2019 17:34

Tgt Ion:152 Resp: 192214
Ion Ratio Lower Upper
152 100
115 56.0 24.3 72.8
150 154.5 0.0 312.0





#79

2-Chlorotoluene

Concen: 1.349 ug/l

RT: 11.66 min Scan# 1118

Delta R.T. -0.07 min

Lab File: VF061735.D

Acq: 25 Feb 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

WV-B

Tgt Ion: 91 Resp: 11862

Ion Ratio Lower Upper

91 100

126 0.0 19.8 59.4#

