

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061720.D
 Acq On : 22 Feb 2019 20:50
 Operator : VA/AP
 Sample : K1595-05RE
 Misc : 5.90g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAMRE

Quant Time: Feb 23 01:47:43 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	4.85	168	276766	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	418297	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	242045	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	64943	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	100105	49.32	ug/l	-0.03
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	4.10	113	154809	49.84	ug/l	-0.02
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	7.54	98	326847	36.60	ug/l	-0.02
Spiked Amount			Recovery	=	73.20%	
62) 4-Bromofluorobenzene	11.39	95	81456	22.54	ug/l	-0.02
Spiked Amount			Recovery	=	45.08%	

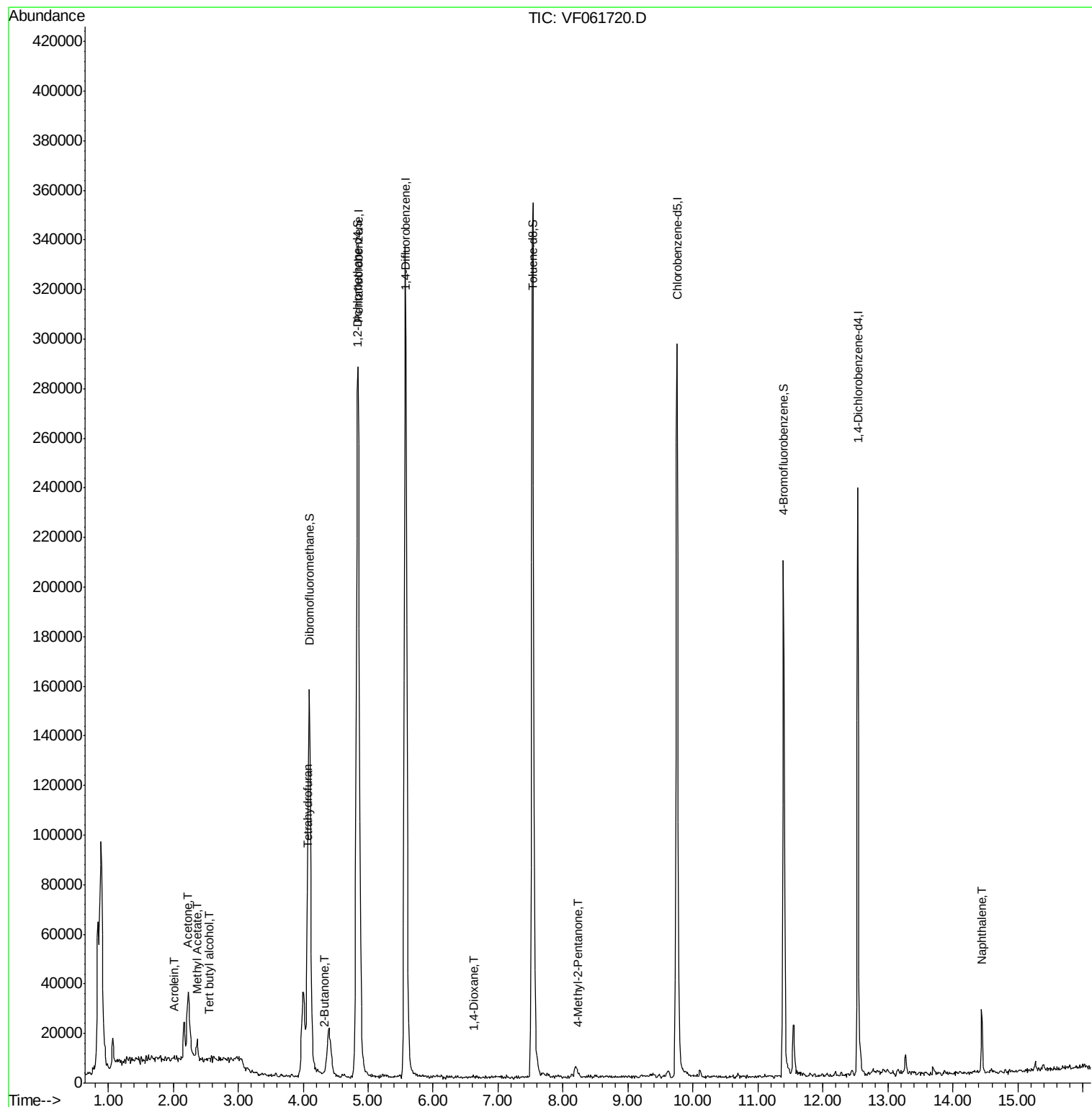
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	629	5.355	ug/l #	63
13) Acrolein	2.01	56	212	1.436	ug/l #	1
16) Acetone	2.23	43	19969	45.858	ug/l	97
18) Methyl Acetate	2.36	43	3543	3.612	ug/l #	59
25) 2-Butanone	4.32	43	1993	2.095	ug/l	96
29) Tetrahydrofuran	4.06	42	2705	6.257	ug/l #	75
49) 1,4-Dioxane	6.61	88	67	5.199	ug/l #	20
51) 4-Methyl-2-Pentanone	8.24	43	1733	1.065	ug/l #	34
95) Naphthalene	14.44	128	20940	7.883	ug/l	96

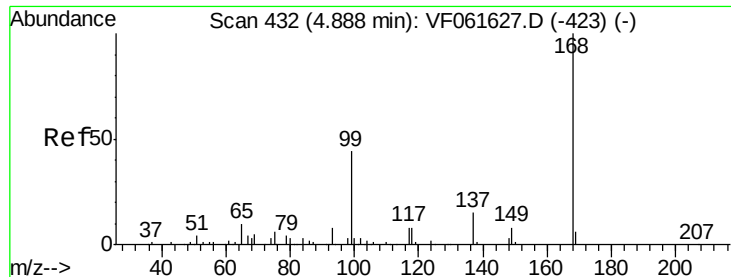
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061720.D

Acq: 22 Feb 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

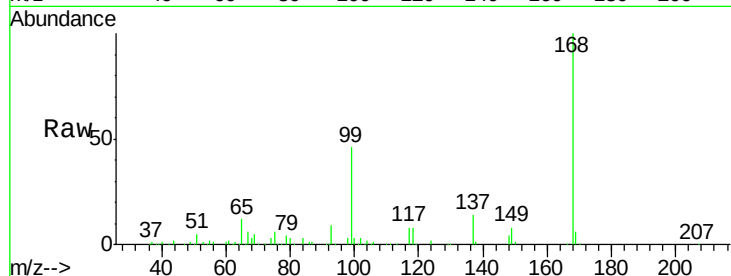
TP-E-WALL-GRADE-BEAMRE

Tot Ion:168 Resp: 276766

Ion Ratio Lower Upper

168 100

99 46.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

40000

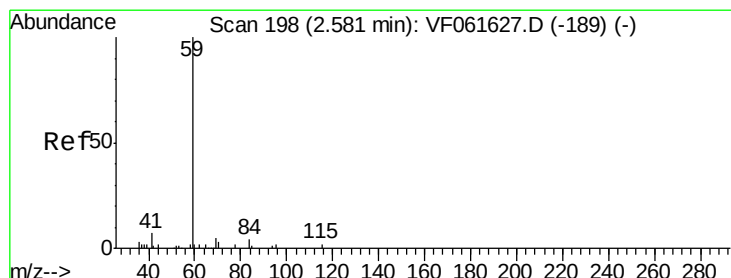
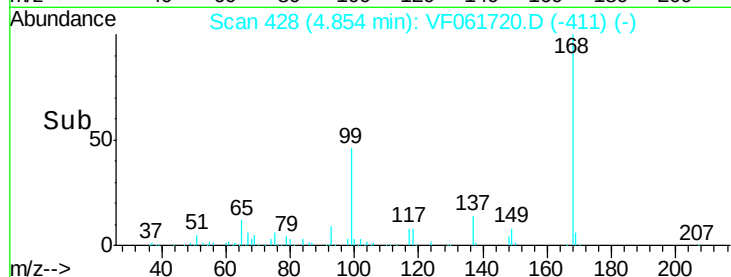
20000

0

4.80

5.00

Time-->



#11

Tert butyl alcohol

Concen: 5.355 ug/l

RT: 2.57 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF061720.D

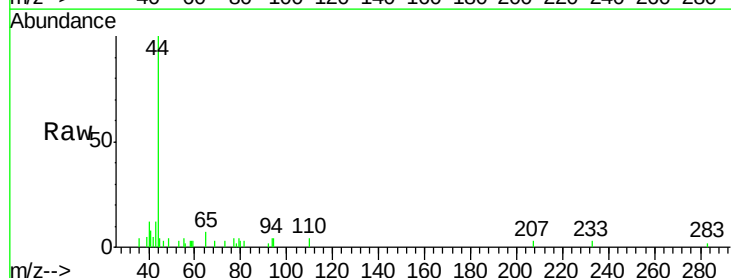
Acq: 22 Feb 2019 20:50

Tgt Ion: 59 Resp: 629

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

2.57

300

200

100

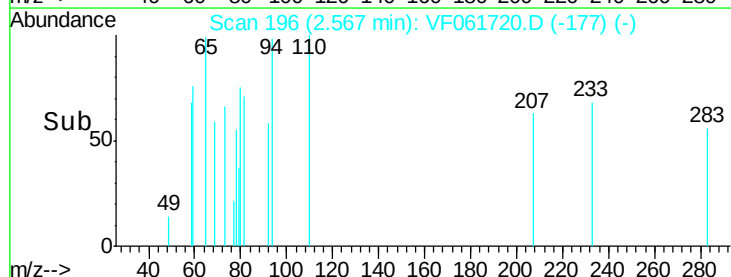
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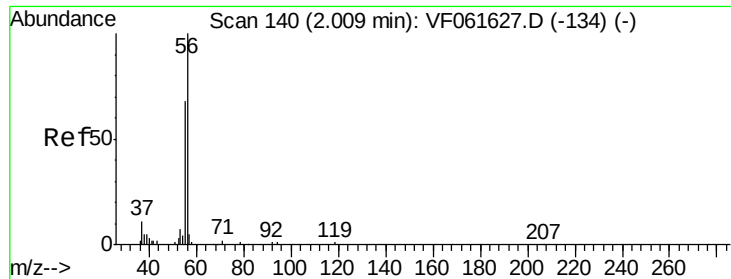
2.50

2.55

2.60

Time-->





#13

Acrolein

Concen: 1.436 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061720.D

Acq: 22 Feb 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

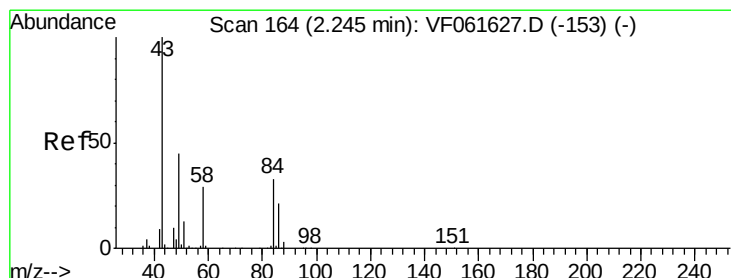
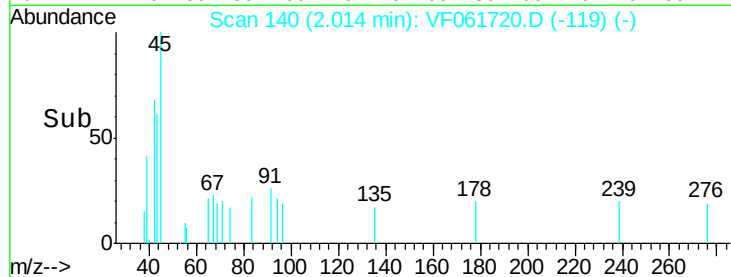
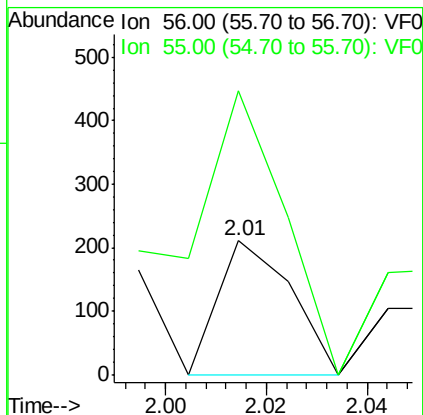
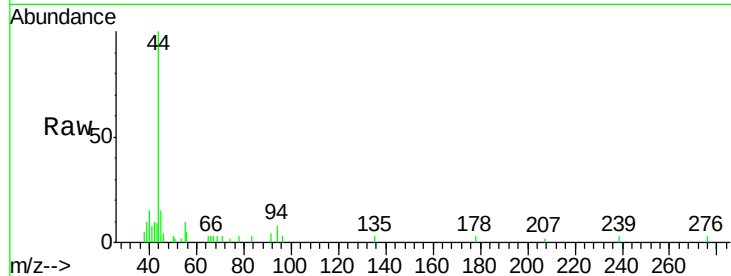
TP-E-WALL-GRADE-BEAMRE

Tot Ion: 56 Resp: 212

Ion Ratio Lower Upper

56 100

55 211.8 55.0 82.6#



#16

Acetone

Concen: 45.858 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061720.D

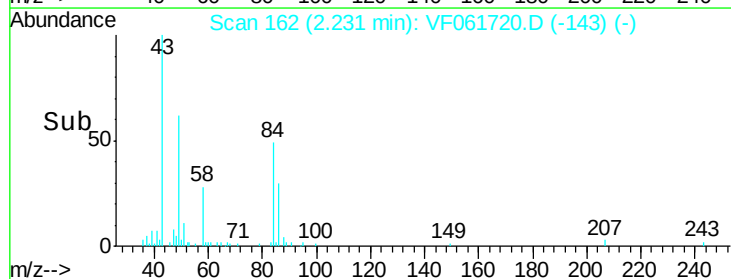
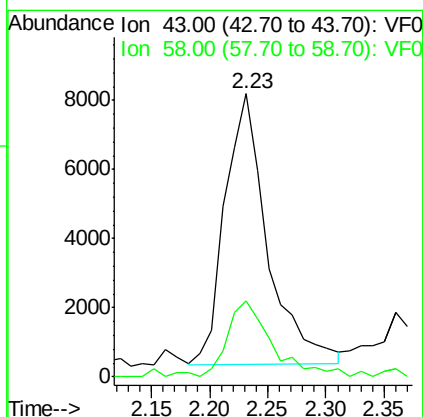
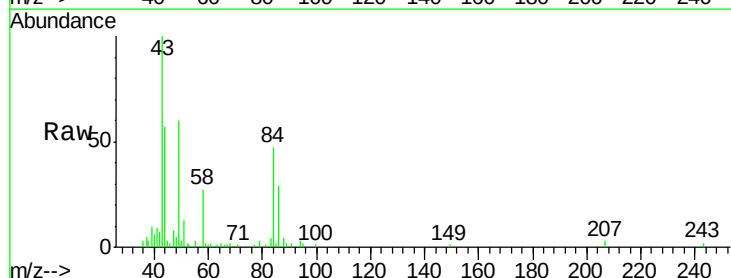
Acq: 22 Feb 2019 20:50

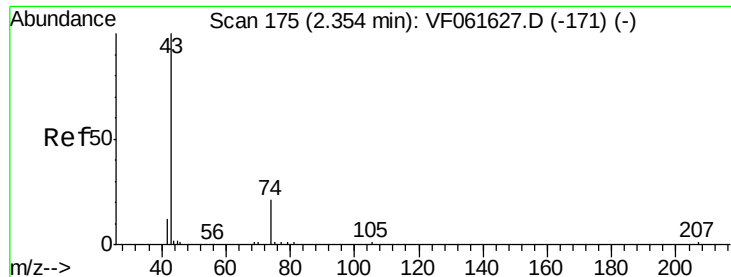
Tgt Ion: 43 Resp: 19969

Ion Ratio Lower Upper

43 100

58 26.8 22.9 34.3

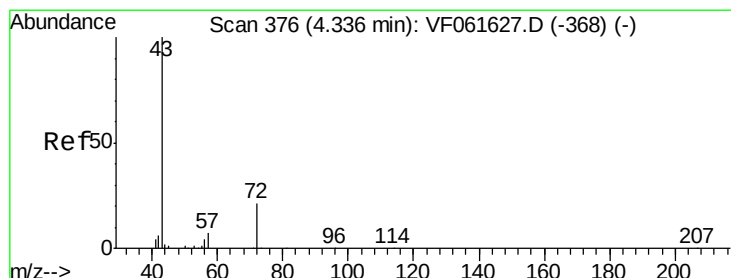
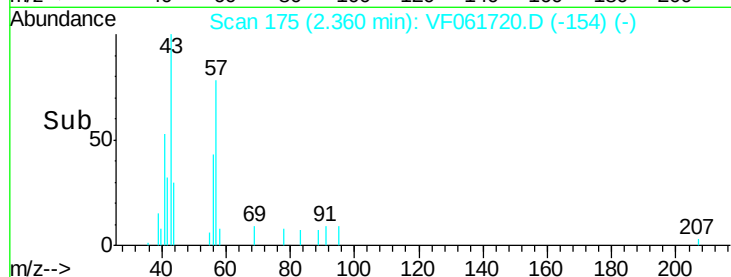
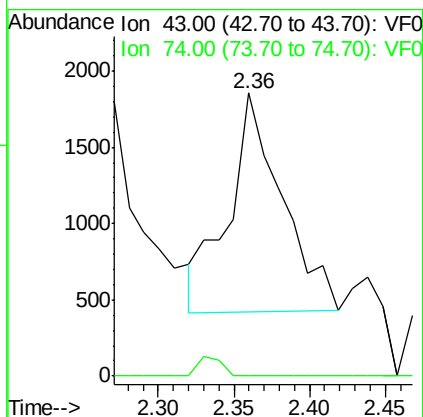
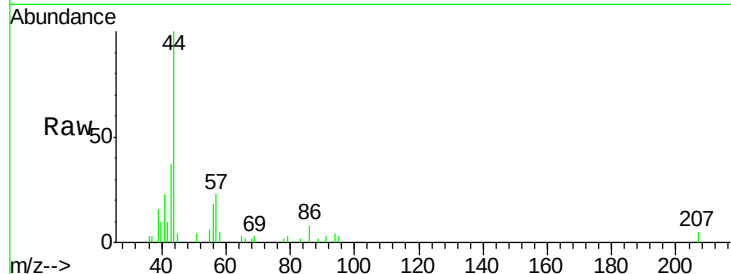




#18
Methvl Acetate
Concen: 3.612 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061720.D
Acq: 22 Feb 2019 20:50

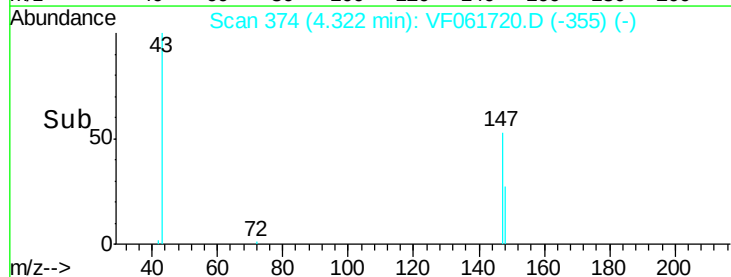
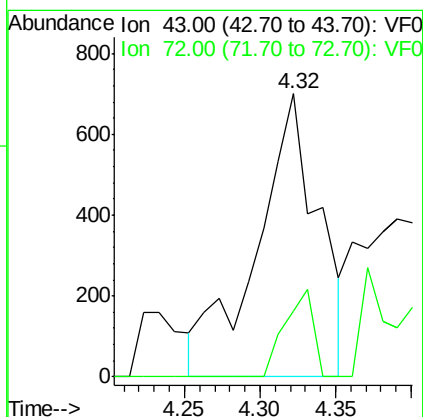
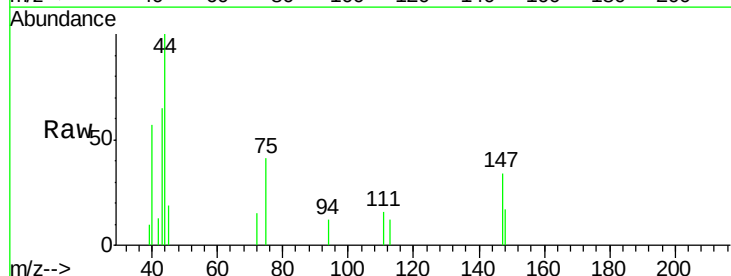
Instrument :
MSVOA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAMRE

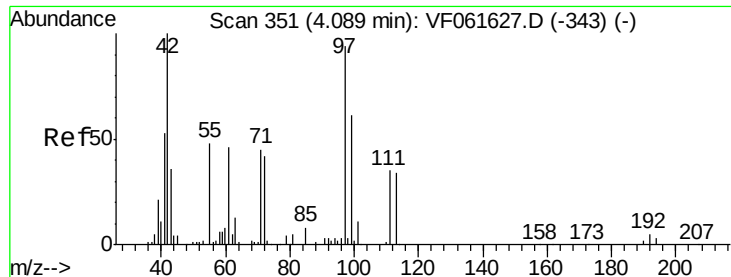
Tot Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#25
2-Butanone
Concen: 2.095 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF061720.D
Acq: 22 Feb 2019 20:50

Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
72 23.4 17.1 25.7





#29

Tetrahydrofuran

Concen: 6.257 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.03 min

Lab File: VF061720.D

Acq: 22 Feb 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAMRE

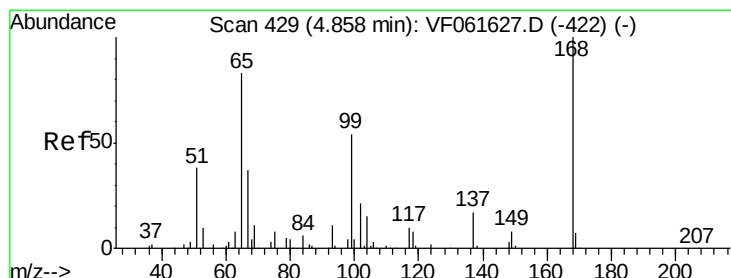
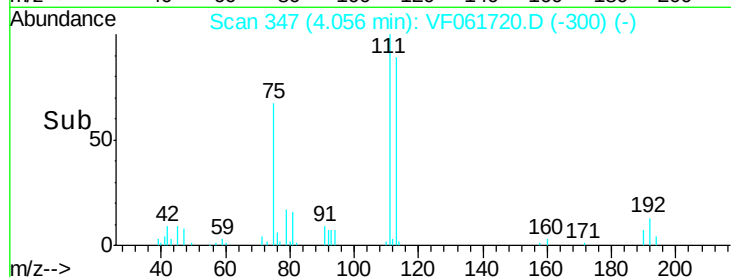
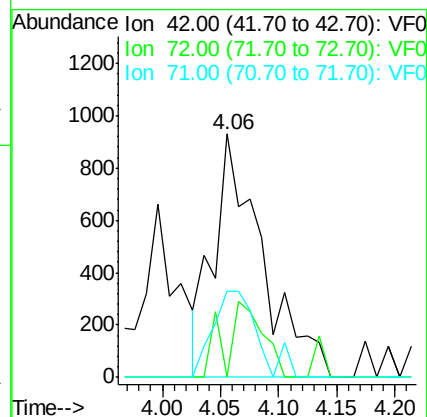
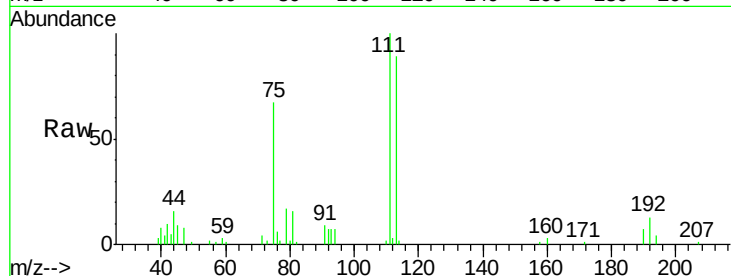
Tot Ion: 42 Resp: 2705

Ion Ratio Lower Upper

42 100

72 23.8 35.2 52.8#

71 29.7 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 49.323 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF061720.D

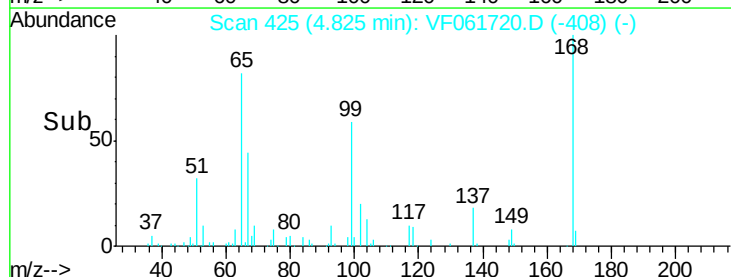
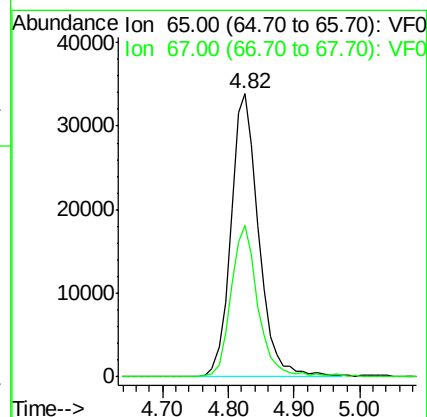
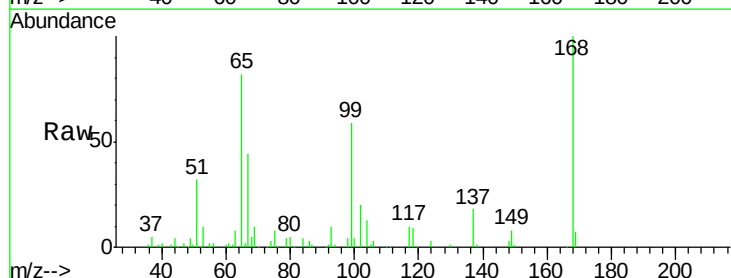
Acq: 22 Feb 2019 20:50

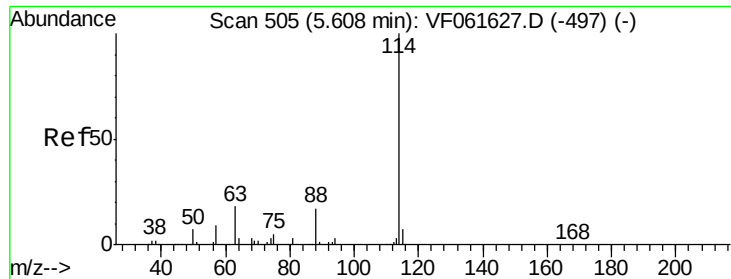
Tgt Ion: 65 Resp: 100105

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.0

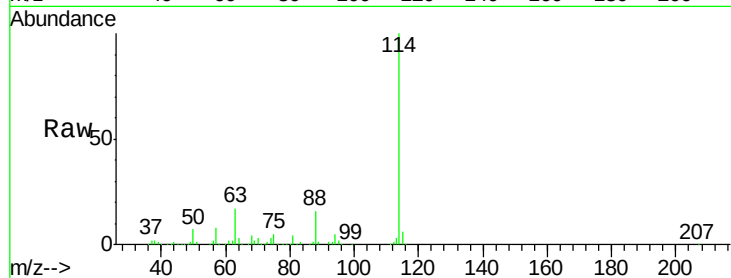




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061720.D
 Acq: 22 Feb 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAMRE

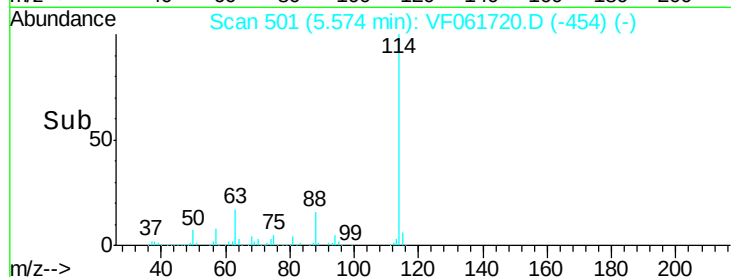
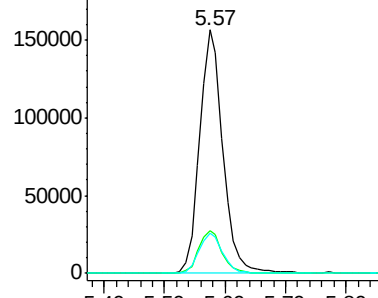
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	36.6
88	16.5	0.0	34.4



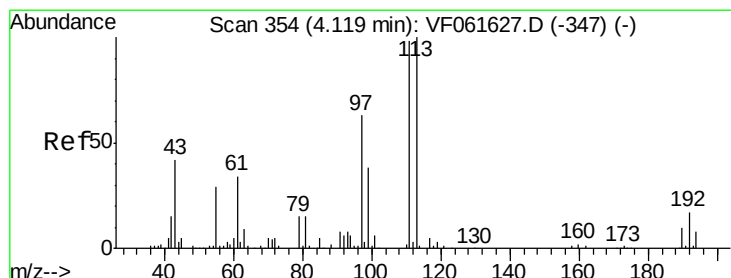
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

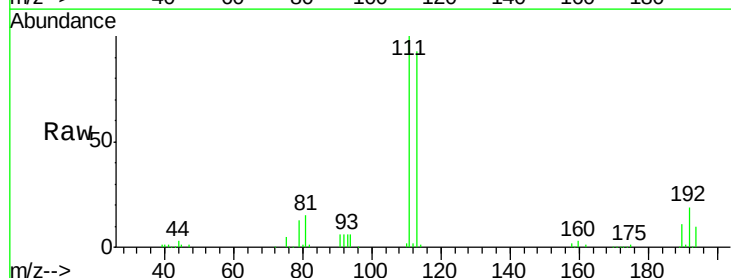


Time-->



#35
 Dibromofluoromethane
 Concen: 49.837 ug/l
 RT: 4.10 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061720.D
 Acq: 22 Feb 2019 20:50

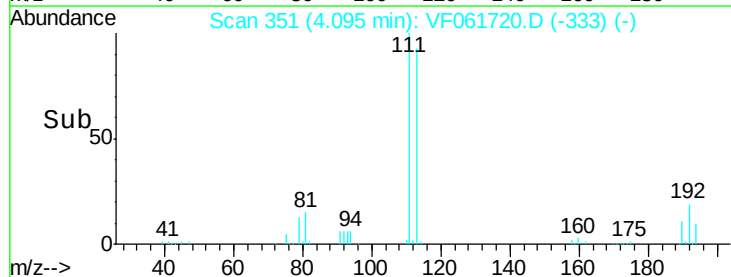
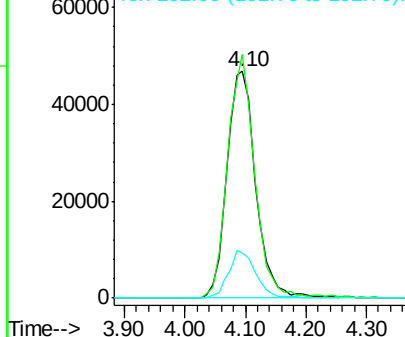
Tgt Ion	Ratio	Lower	Upper
113	100		
111	107.4	78.8	118.2
192	20.6	13.4	20.0#

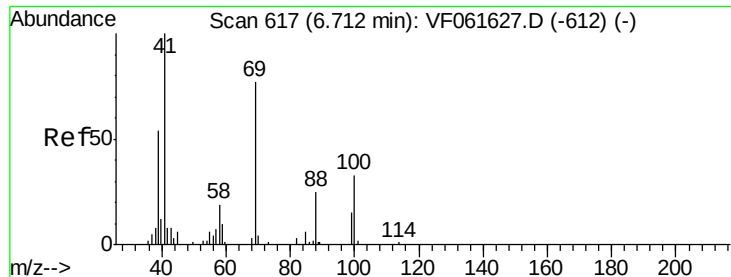


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

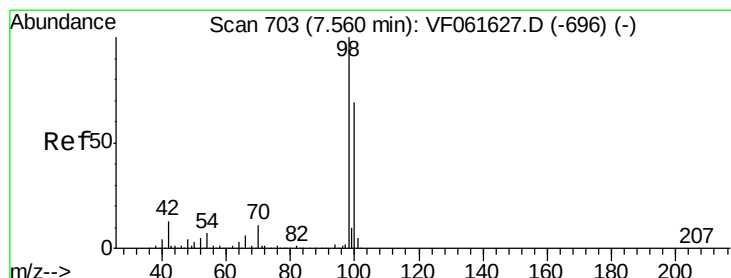
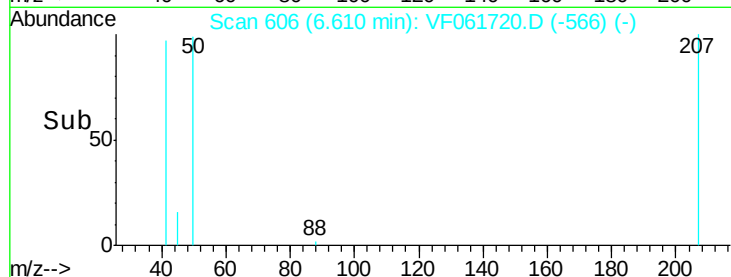
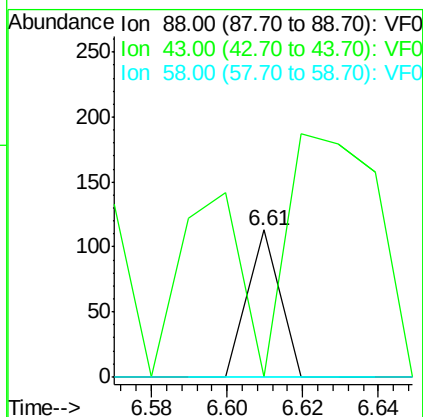
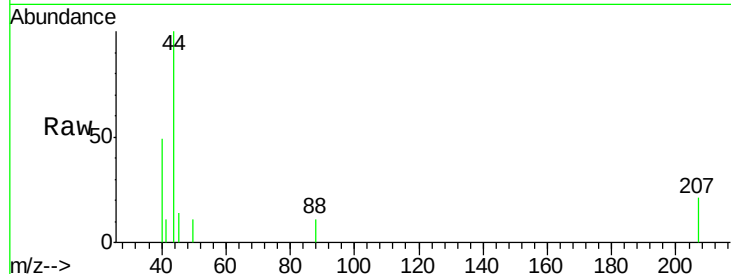




#49
 1,4-Dioxane
 Concen: 5.199 ug/l
 RT: 6.61 min Scan# 606
 Delta R.T. -0.10 min
 Lab File: VF061720.D
 Acq: 22 Feb 2019 20:50

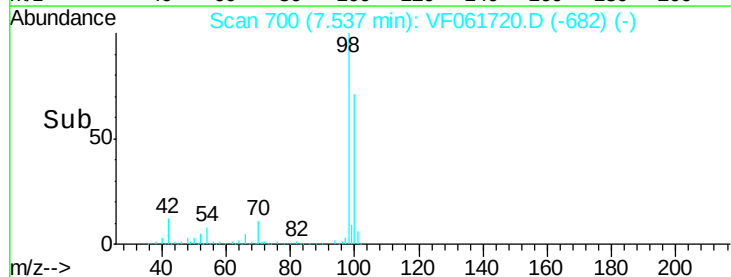
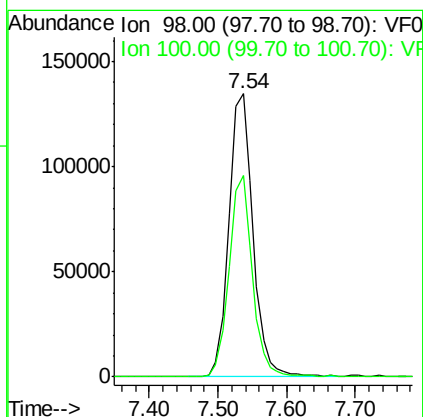
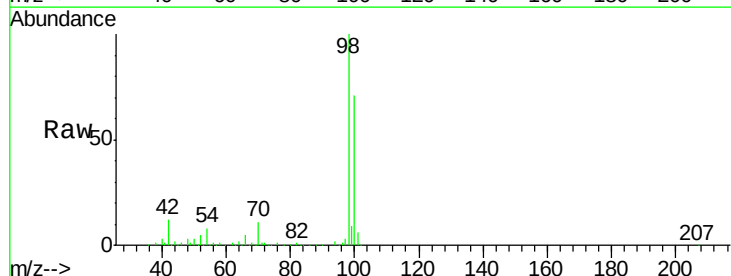
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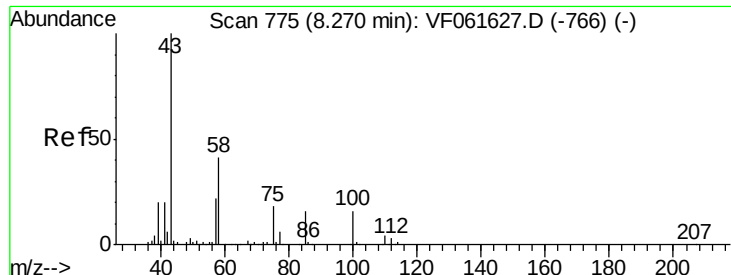
Tot Ion: 88 Resp: 67
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.3 48.5#
 58 0.0 59.4 89.2#



#50
 Toluene-d8
 Concen: 36.602 ug/l
 RT: 7.54 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF061720.D
 Acq: 22 Feb 2019 20:50

Tgt Ion: 98 Resp: 326847
 Ion Ratio Lower Upper
 98 100
 100 71.0 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 1.065 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061720.D

Acq: 22 Feb 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

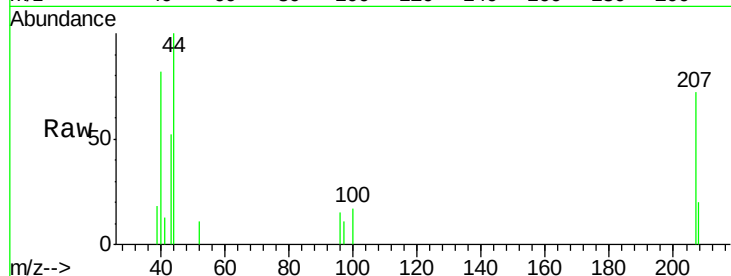
TP-E-WALL-GRADE-BEAMRE

Tot Ion: 43 Resp: 1733

Ion Ratio Lower Upper

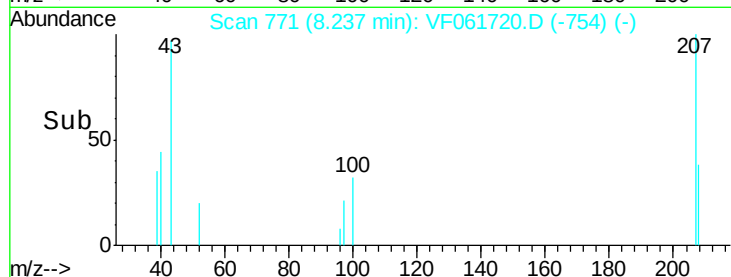
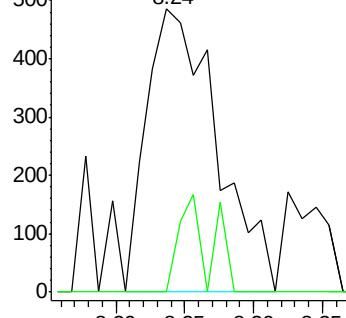
43 100

58 0.0 33.1 49.7#

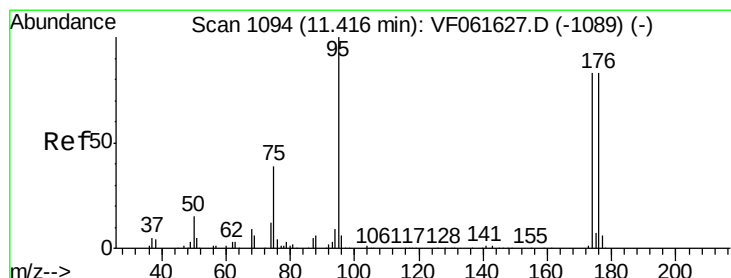


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#62

4-Bromofluorobenzene

Concen: 22.544 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061720.D

Acq: 22 Feb 2019 20:50

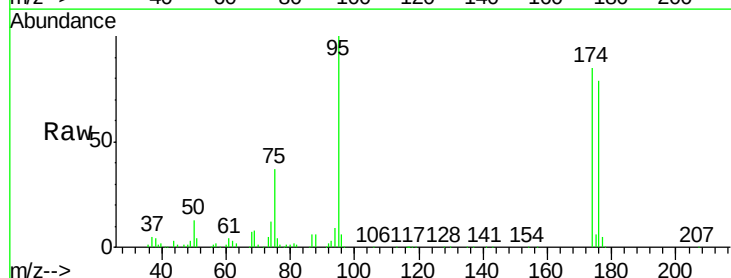
Tgt Ion: 95 Resp: 81456

Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

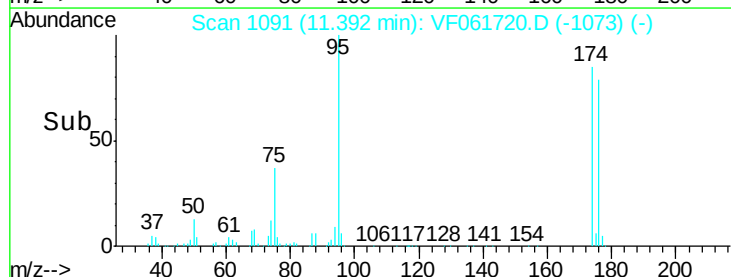
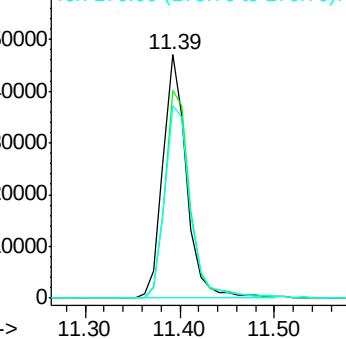
176 78.9 0.0 167.0



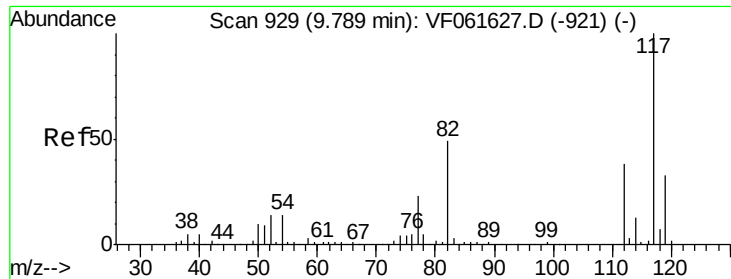
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



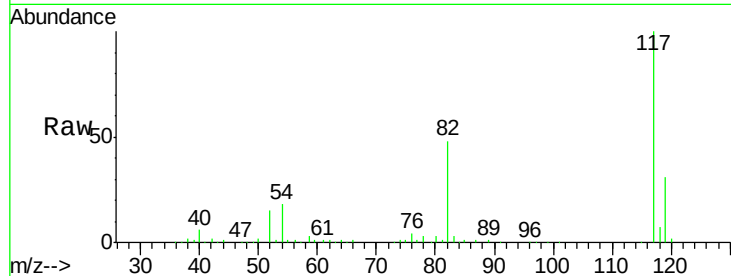
Time-->



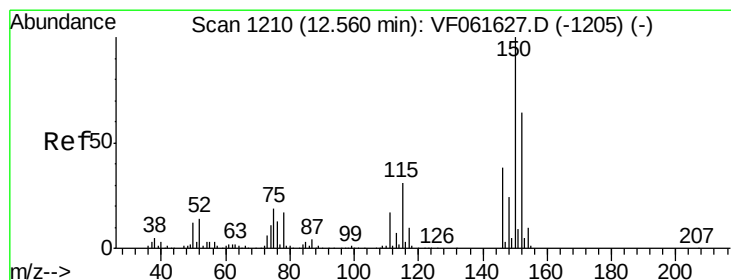
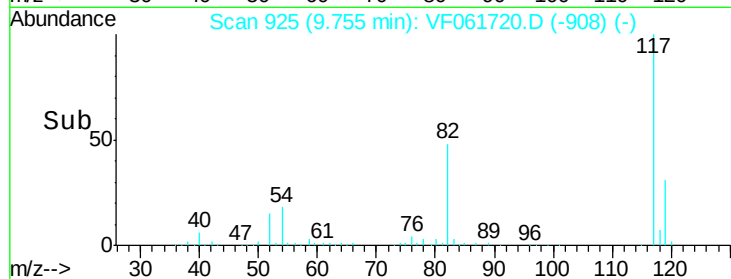
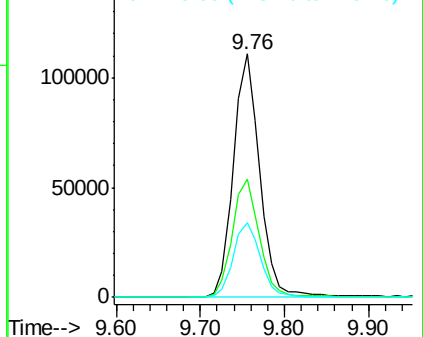
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061720.D
Acq: 22 Feb 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAMRE

Tot Ion:117 Resp: 242045
Ion Ratio Lower Upper
117 100
82 48.3 39.3 58.9
119 30.9 26.6 40.0

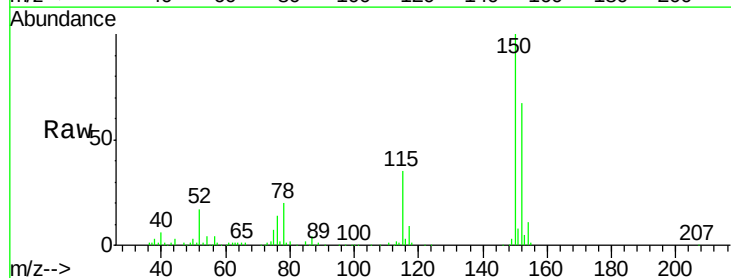


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

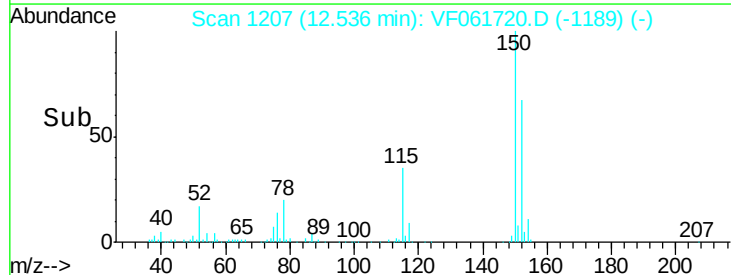
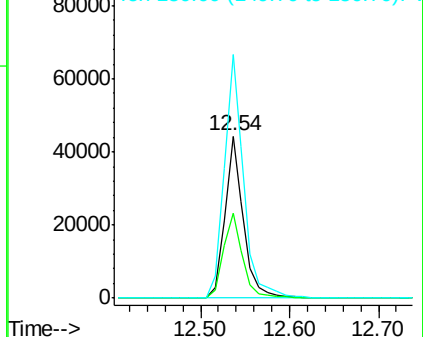


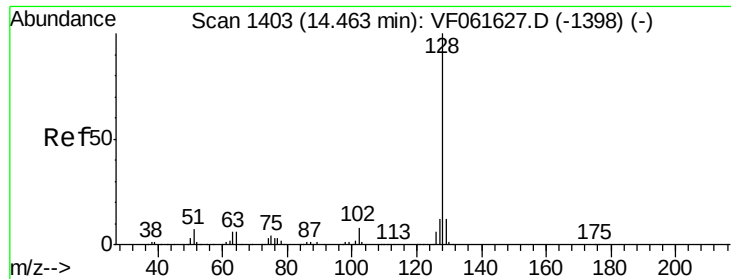
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061720.D
Acq: 22 Feb 2019 20:50

Tgt Ion:152 Resp: 64943
Ion Ratio Lower Upper
152 100
115 52.3 24.3 72.8
150 150.1 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

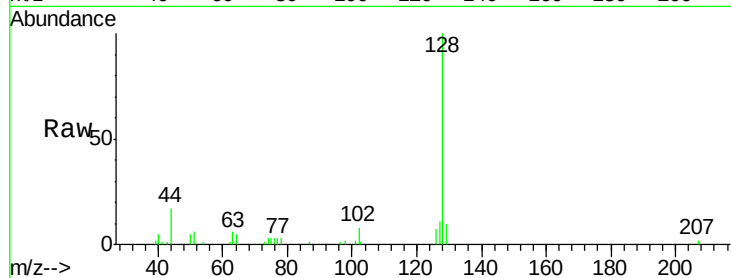




#95
 Naphthalene
 Concen: 7.883 ug/l
 RT: 14.44 min Scan# 1400
 Delta R.T. -0.02 min
 Lab File: VF061720.D
 Acq: 22 Feb 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAMRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.7	9.8	14.6
129	10.4	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

